INVITATION FOR BID (IFB)

IFB Number	Scope Number	Closing Date	Closing Time	Return IFB Submittal
GC2018092556-6883	6015	1/8/2020	2:00pm CST	bids@synergynds.com

IFB Reference Information:	**Window/Door/Storefront Replacement**
Insured Property Owner:	**City of Panama City**
Property Location Name:	**Martin Theatre**
Address Line 1:	**409 Harrison Ave.**
Address Line 2:	Enter Text Here
City:	**Panama City** State: Florida Zip Code: **32401**

DESCRIPTION: Furnish all required labor, materials and equipment necessary to provide Scope-of-Work at the above described location. Work is being authorized under the elected FMIT TurnKey Recovery Program℠ administered by SynergyNDS on behalf of the Insured Property Owner, a Member of the Florida Municipal Insurance Trust (FMIT).

SUBMITTAL INSTRUCTIONS: In support of Procurement Guidelines, the IFB Packet includes specifications and terms & conditions associated with the above referenced project information.

1. Bids shall be received no later than the Closing Date & Time indicated above. Bids received after above deadline or that are not submitted in accordance to Submittal Instructions may be rejected without further explanation or contractor notification.
2. Bid shall be completed and submitted using **ONLY** the **Contractor Submittal Form** (provided at the end of the IFB Packet).
3. Contractor is responsible to validate all Quantities and Units of Measurements specific to the following scope items &/or products. The information and descriptions provided in the IFB are intended for general guidance purposes only. Contractor may not change or alter any material &/or specifications identified in the IFB for submission purposes without prior written/email notification to: bids@synergynds.com.
4. Contractor has the sole responsibility to ensure that all services and material for BID Submittal (whether stated correctly in the IFB or not) satisfactorily meet all required Codes & Standards, OSHA Guidelines and The Americans with Disabilities Act (ADA).
5. Contractor should also consider the approach (if necessary) in which to stock/store material at the jobsite in a safe and secure manner. SynergyNDS will not be responsible for lost or stolen material, supplies or equipment stocked at the jobsite.
6. Bid award will be made based on best overall LUMP SUM project value as determined by SynergyNDS in accordance to market valuation, project demands, critical path scheduling – as well as overall Insured Member's WorkForce Participation Goals. Contributing factors, in addition to price, may be considered as necessary to help determine bid award based on any additional criteria set forth by the specific FMIT Insured Member.

INVITATION FOR BID (IFB)

7. SynergyNDS reserves the right to modify the IFB Specifications and Terms & Conditions at any time during the bid solicitation process. Timely notice to all bidders will be given via an electronically distributed Addendum.
8. All registered HUB & HUB Zone Contractors, as well as DBEs are encouraged to participate. Additional Contractor Financial Assistance is available to help support daily HUB/DBE Contractor's operations under the terms and condition of a successful contract award.
9. SynergyNDS is an equal opportunity employer and administers all Contracts & Contractor Agreements in accordance to the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a).
10. Contractor is strongly encouraged to schedule a Site Visit of the property as necessary to support the IFB Submittal. All scheduled site visits can be requested at bids@synergynds.com.
11. When a mandatory Pre-BID Meeting is identified and scheduled in a specific IFB, Contractor Attendance is a requirement as part of the Solicitation. Contractors who fail to attend the Pre-BID Meeting will not be eligible to participate in the IFB and subsequent submittal process.
12. Contractor can submit all questions &/or concerns specific to the IFB by email to: bids@synergynds.com.

SCOPE-OF-WORK SUMMARY

Refer to **EXHIBIT A** and any subsequent **ATTACHMENTS** for scope-of-work description that will be included after the IFB Contractor Submittal Form on Page #9.

*This IFB is part of a potential Federally Funded Project.
*This IFB does not require a Contractor Payment or Performance Bond.
*This Project is Sales Tax Exempt through the specific Florida Public Entity.
*This IFB does not require a Pre-BID Meeting
*This IFB supports workforce participation goals.

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INVITATION FOR BID (IFB)

GENERAL TERMS & CONDITIONS

1. Contractor shall be responsible for field verifying all conditions, dimensions & quantities prior to IFB Submittal and the implementation of this scope of work. Any Exhibits, Plans, Drawing &/or Other Supporting Documents have been included for general reference purposes only.
2. Contractor is responsible to identify and satisfactorily address all applicable regulatory requirements, including but not limited to Codes & Standards, HUD/DBE Participation Goals & Guidelines and ADA/FHA Specifications.
3. Contractor shall indicate in writing and be responsible to submit to SynergyNDS via email distribution to projects@synergynds.com any request or need for additional 3rd Party Assignment as necessary to further identify required codes & standards, scope specifications or public health safety concerns outside of Contractor's professional competence &/or licenses.
4. Contractor is to obtain their own permits and schedule all applicable inspections. Permits can be obtained by contacting the Building Department or other administering entity. Permit Fees are reimbursable direct from SynergyNDS (in addition to contractor's Lump Sum Proposal) if incurred and submitted with proper documentation.
5. Contractor shall prohibit discrimination against staff &/or available workforce based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. Moreover, these regulations require that Contractor and its subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status or disability.
6. Contractor is to abide by all applicable OSHA and project safety requirements and standards. Contractor shall require all employees to utilize proper PPE when applicable, including but not limited to: fall protection harnesses, hard hats, safety glasses, safety foot wear, gloves and etc.
7. Contractor is responsible for submitting applicable project and associated contract documents as defined by Architectural Drawings Specifications, Engineering Requirements, Certificates of Insurance, Change Order Requests and any written or documented deviations from approved scopes-of-work or Contract.
8. Contractor may be asked to provide Material Safety Data Sheets (MSDS) to the Industrial Hygienist of record (for the project) for chemical-based products that will be used including, but not limited to, glues, cleaners, solvents, anti-microbial products, sanitizing agents, etc. The Industrial Hygienist of record retains the right to not allow the use of any of the products selected.
9. Contractor shall be responsible under terms of the Agreement for supplying any and all necessary labor, equipment, tools, materials and travel expense to complete the scope of work unless directed otherwise in the IFB. This includes but is not limited to: Rental Equipment, Dumpsters, Storage Containers, Jobsite Trailer, General Conditions, Associated Expenses, Travel Cost and Overhead & Profit which are to be included in the IFB Contractor Lump Sum Proposal.
10. Contractor shall protect all property from new and supplemental damage during the performance of work. This includes, but necessarily limited to: wall finishes, floor finishes, windows, electrical systems, mechanical systems, communication systems, life safety systems, security systems, HVAC control

systems, plumbing systems, lighting systems, structurally related components, exterior elements, vegetation, property-of-others, and etc.

11. Contractor shall be responsible for any breakage &/or cleaning of unintended damage, debris, coatings, coverings, overspray and residual caulking from the aforementioned property described above. If affected property can't be successfully cleaned &/or restored to pre-existing condition, SynergyNDS will seek reimbursement from Contractor &/or deduct the appropriate replacement cost from outstanding Invoice Payment (Contract Value).
12. Contractor is EXPECTED to maintain a Clean & Safe Work Environment throughout the lifecycle of the awarded scope-of-work. This includes daily clean-up and organization of the Contractor's work area specific to all material waste, debris, tools &/or equipment. Failure to do so (after 3 documented warnings) can result in back charges to Contractor in the amount of $25.50 hourly rate with a minimum $150.00 per day clean-up rate (as determined by the SynergyNDS or the Insured Property Owner).
13. Contractor shall be responsible for securing work area(s) from access by non-authorized building occupants, including all persons not directly part of the restoration, repair and/or rebuild efforts. This includes securing work area(s) as identified in the IFB Scope-of-Work &/or under Contractors control.
14. Contractor shall provide and implement a site-specific health and safety plan to include hazard communication and related OSHA to protect workers as well as the general public with access to the work area.
15. If the Contractor determines that deviations, modifications (change order or supplemental costs) from the initial scope-or-work are required, the Contractor shall submit a written request to SynergyNDS for review and approval prior to start of any additional work not otherwise included in initial BID. The written request will contain, at a minimum:
    a. Reason for deviation or modification
    b. Description of deviation or modification
    c. Project cost addition or subtraction for deviation or modification
    d. Estimated time required for deviation or modification.
16. Contractor is NOT responsible for any conditions or activities the building owner or employees implemented prior to their arrival to the job site. This includes removal of contents, equipment or personnel from the affected areas to the non-affected areas of the building.
17. During the performance of Contractor's scope-of-work, pre-existing damage to the building, structure, system failures or other anomalies may be found. If this occurs, the Contractor has the responsibility to identify, document and report these deficiencies immediately to SynergyNDS by email notification to projects@synergynds.com. Verbal notification &/or discussion only with the Onsite Project Manager is encouraged but not binding. Written documentation must be provided in efforts to comply with the required transparent approach.
18. Contractor is responsible to ensure that their employees &/or its sub-contractors comply with the provisions and terms of the IFB and Contract Agreement.

INVITATION FOR BID (IFB)

PAYMENT: Project is managed by SynergyNDS, Inc., under the TML Turnkey Recovery Program. Payments will be made directly to the contractor(s) in accordance with described terms & conditions. Qualified contractors may be eligible for an upfront material deposit or progress payments as determined prior to BID AWARD. **Contractor must be registered in the MVP (Managed Vendor Program) whereby required contractor documents must be uploaded to the database. There is annual $49.95 processing fee as part of the initial contractor vetting and background check.**

PAYMENT TERMS: Payments will be made after inspection and approval of work by SynergyNDS, City Building Official &/or Insurance Adjuster. Accurate invoices and required project documentation must be submitted to SynergyNDS for project audit prior to payment. *Material Deposits &/or Advanced Payments require Contractor to complete online registration in the Managed Vendor Program (MVP). MVP has an annual $49.99 Registration Fee to be part of the Contractor Direct Repair Program. Material Deposits &/or Advanced Payments will require a 2% Invoice Payment Discount.

HOLD HARMLESS: To the fullest extent permitted by law, the Contractor/Vendor shall indemnify, defend, and hold harmless SynergyNDS, Inc & TML, their officers, agents, employees, elected, and appointed officials, Insurance Representatives and volunteers from and against any and all claims, losses or liability, including attorney's fees, arising from injury or death to persons or damage to property occasioned by any act, omission, or failure of the Contractor/Vendor and any of its officers, agents, employees, and volunteers in satisfying the terms required by this contract.

RIGHT TO ACCEPT, REJECT AND WAIVE DEFECTS: SynergyNDS &/or Contracting Agent reserves the right to: reject all quotations; waive formalities, technical defects, and minor irregularities; accept the quotation (if any) deemed most advantageous to and in the best interests of Insured Members of FMIT. Award will be based on price, contractor's daily performance capabilities, availability to provide the specified services when required &/or in accordance to critical path scheduling.

DAMAGES: Contractor will be held liable for any damage caused to the building and ancillary structure, and/or injury to the occupants resulting from the execution of the work or from not exercising proper precautionary protective measures. Any cost of repair/replacement resulting from damages shall be at the Contractor's expense.

WORK-SITE PRACTICES: Contractor's workers, as well as the various trade contractors entering or leaving the work area, will all attend a site-specific safety meeting as well as daily safety meetings prior the scheduled workday. Contractor's workers entering or leaving the work area will don or remove personal protective equipment and clothing in the staging area outside of each work area. All debris & trash in the work area will be removed and disposed.

WORKER PERSONAL PROTECTION EQUIPMENT: The National Institute for Occupational Safety and Health (NIOSH) provides the following interim guidelines and warnings to restoration workers.

a) Steel toed leather boots should be worn. Tennis shoes or sneakers should *not* be worn because they will transfer contamination and will not prevent punctures, bites, or crush injuries.

b) Goggles, safety glasses with side shields or full-face shields shall be used when performing restoration related activities that involve demolition, cutting or the use of ANY power tools. Sun/glare-protective

lenses may be needed in some work settings. The use of goggles or protective eyewear should also be worn during the application of any cleaners, sanitizers or disinfectants.

c) Soft hat or another protective head cover. Wear an American National Standards Institute (ANSI) rated hardhat if there is any danger of falling debris or electrical hazards.

d) Hearing protection (when working in an environment with any noise that you must shout over to be heard).

e) Comfortable, form fitting, light weight clothing including long pants and a long-sleeved shirt or coveralls. Additional PPE, respiratory protection, or clothing may be required when specific exposure hazards are identified or expected at the work site. In some instances, the protective ensemble components (garment, boots and gloves) may need to be impervious to contaminated flood or other site-specific chemical, physical, or biological hazards. In all instances, workers are advised to wash their hands with soap and clean water, especially before eating or drinking. Protect any cuts or abrasions with waterproof gloves and dressings. The use of insect repellant, sun block and lip balm may also be required for some work environments. Drink plenty of bottled water and take frequent rest breaks to avoid overexertion.

THERMAL STRESSES: HEAT: Workers are at serious risk for developing heat stress. Excessive exposure to hot environments can cause a variety of heat-related problems, including heat stroke, heat exhaustion, heat cramps, and fainting. To reduce the potential for heat stress, drink a glass of fluid every 15 to 20 minutes and wear loose- fitting clothing. Additionally, incorporate work-rest cycles into work routines and when possible distribute the workload evenly throughout the day.

*****Temporary cooling to the work areas shall only be authorized by the owner's representative based on the actual need for the work being performed. Where the conditions allow for the operation of part or all of the ventilation systems serving the work area then the need for temporary cooling is NOT necessary. The work area should be maintained at conditions that meet OSHA requirements for health and safety.*****

WORKING IN CONFINED SPACES: If you are required to work in a boiler, furnace, pipeline, pit, pumping station, septic tank, sewage digester, storage tank, utility vault, well, or similar enclosure, you should be aware of the hazards of working in confined spaces. A confined space has one or more of the following characteristics:

a) limited openings for entry or exit;
b) unfavorable natural ventilation; or
c) Is not designed for continuous worker occupancy.

Toxic gases, a lack of oxygen, or explosive conditions may exist in the confined area, resulting in a potentially deadly atmosphere. Because many toxic gases and vapors cannot be seen or smelled, never trust your senses to determine if safe entry is possible. **Never** enter a confined space unless you have been properly trained, even to rescue a fellow worker! If you need to enter a confined space and do not have the proper training and equipment, contact your local fire department for assistance.

INVITATION FOR BID (IFB)

CONTRACT IMPLEMENTATION: Contract will be awarded upon review of all bids and proposals received by SynergyNDS. Initiation of intent-to-contract with Contractor will be engaged upon email notification and signed/returned Contractor Agreement Form. Contract-in-full will occur upon SynergyNDS receipt of all required documentation including but not limited to:

a) Performance Bond &/or Payment Bond (If Required)
b) Certificate of General Liability Insurance
c) Certificate of Auto Insurance
d) Certificate of Worker's Compensation or Letter of Exemption
e) Contractor's W-9
f) State Licenses

Further description of insurance requirements is listed in "Insurance & Licensing Requirements." No material deposits &/or payments will be made to Contractor until all required documentation has been received.

ASSIGNMENT OF CONTRACT: Contractor shall not assign the contract or any part thereof to any person, firm, corporation or company unless such assignment is approved in writing by SynergyNDS. Such acceptance shall be at the sole discretion of the SynergyNDS upon request of the Contractor. Upon approved and executed Transfer-of-Contract-Agreement, Contractor will be responsible for the coordination and hand-off of work/trades with the newly Assigned Contractor. Failure to coordinate this work will not relieve original Contractor of their obligations and shall not constitute additional cost as governed by the Lump Sum Contract Award.

ASSIGNMENT OF CONTRACTOR: Contractor is responsible for supplying all required Personal Protective Equipment (PPE), including but not limited to the furnishing and appropriate use of: hard hat(s), safety glasses, face shields, ear plugs, gloves, boots, fall protection (where required), breathing protection (where required), tie off ropes/apparatuses/points (where required), fire extinguishers, first aid kits, etc. Contractor is required to be familiar with and follow all OSHA and State of Florida's safety requirements.

a) Contractor is to hold daily jobsite safety meetings that review the work to be performed, the hazards involved and the methods for reducing and eliminating such hazards, as well as maintain meeting records, - including attendance lists, which shall be kept onsite and available for SynergyNDS review at all times. Contractor shall be solely liable for any and all OSHA violations associated with his/her employees.
b) SynergyNDS reserves the right to hold weekly progress meetings for which the Subcontractor shall attend. Contractor shall be responsible for daily cleanup of the work performed herein. Failure to cleanup daily after trade will result in cleanup supplementation at Contractor's cost. Twenty-Four (24) hour notice will be given prior to supplementation. Contractor shall be responsible for delivery, loading, unloading, storage, protection, etc. of all work provided herein.

ENERGY EFFICIENCY: The Contractor shall comply with all mandatory standards and policies relating to energy efficiency which are contained in the energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub.L. 94-163) for the State in which the work under this contract is performed.

INVITATION FOR BID (IFB)

PROCUREMENT OF RECOVERED MATERIALS: In accordance with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, the Contractor shall procure items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition. The Contractor should procure items designated in the EPA Guidelines that contain the highest percentage of recovered materials practical unless the Contractor determines that such items:

a) are not reasonably available in a reasonable period of time;

b) fail to meet reasonable performance standards, which shall be determined on the basis of the guidelines of the National Institute of Standards and Technology;

FAILURE TO COMPLY: For failure to deliver in accordance with specifications, SynergyNDS may cancel the contract or any part thereof and purchase services on the open market, charging any additional cost to the Contractor. Contractor shall comply with all applicable state, federal and local codes, and pay all permits, licenses and certificates, and other fees as required by the work.

INSURANCE & LICENSING REQUIREMENTS: Before starting work, the Contractor will provide SynergyNDS proof of Worker's Compensation and Commercial and Public Liability Insurance. The Contractor must be licensed to do business in the State of Texas and SynergyNDS must be named as an additional insured on general liability insurance certificate. Contractor will need to go to www.syngerynds.com and complete the initial registration for the Managed Vendor Program (MVP). Contractor will be required to upload the following information (when applicable) prior to contract award and eligible material deposits.

a) The Contractor will carry Worker's Compensation Insurance for all employees engaged in work at the site, in accordance with State or Territorial Worker's Compensation Laws.

b) Commercial and Public Liability with bodily injury and property damage limits will be at a combined single limit of at least $500,000 to protect the contractor and each subcontractor against claims for injury to or death of one or more persons.

c) Automobile Liability on owned and non-owned motor vehicles used on the site(s), or in connection with the sites, for a combined single limit for bodily injury and property damages of not less than $500,000.00 per occurrence.

d) Builder's Work Insurance limit of at least $5,000.00 per occurrence and $10,000.00 aggregate.

e) Professional Liability $1,000,000 per occurrence (if applicable).

Contractor will not allow insurance coverage to lapse and will provide SynergyNDS with updated Certificates of Insurance as necessary. All policies must provide that at least thirty (30) days' notice of cancellation will be given to SynergyNDS . All Contractor employees &/or subcontractors are bound by the Insurance Requirement. Contractor is the sole responsible party for all its Employee &/or SubContractor infractions, accidents, damages and all general liability concerns that occur, whether directly or indirectly, as related to Contracted Scope-of-Work.

The certificate holder(s) must be noted as:

Synergy NDS, Inc.
1400 Sarno Rd
Melbourne, FL 3293

INVITATION FOR BID (IFB)

FEDERAL CONTRACT REQUIREMENTS ONLY (In a Declared Event)

If stated in the IFB, the Contractor and its subcontractors must follow the provisions, as applicable, as set forth in 2 C.F.R. §200.326 Contract provisions and Appendix II to 2 C.F.R. Part 200, as amended, including but not limited to:

9.29.1 Davis-Bacon Act, as amended (40 U.S.C. §§3141-3148). When required by Federal program legislation, which includes emergency Management Preparedness Grant Program, Homeland Security Grant Program, Nonprofit Security Grant Program, Tribal Homeland Security Grant Program, Port Security Grant Program and Transit Security Grant Program, all prime construction contracts in excess of $2,000 awarded by non-Federal entities must comply with the Davis-Bacon Act (40 U.S.C. §§3141-3144, and §§3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. If applicable, SynergyNDS must place a current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. SynergyNDS must report all suspected or reported violations to the Federal awarding agency. When required by Federal program legislation, which includes emergency Management Preparedness Grant Program, Homeland Security Grant Program, Nonprofit Security Grant Program, Tribal Homeland Security Grant Program, Port Security Grant Program and Transit Security Grant Program (it does not apply to other FEMA grant and cooperative agreement programs, including the Public Assistance Program), the contractors must also comply with the Copeland "Anti-Kickback" Act (40 U.S.C. § 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). As required by the Act, each contractor or subrecipient is prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. SynergyNDS must report all suspected or reported violations to the Federal awarding agency.

1. Contractor. The contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this contract.
2. Subcontracts. The Contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as the FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses.
3. Breach. A breach of the contract clauses above may be grounds for termination of the contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

9.29.2 Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, which includes all FEMA grant and cooperative agreement programs, all contracts awarded by SynergyNDS in excess of

$100,000 that involve the employment of mechanics or laborers must comply with 40 U.S.C.§§ 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. §3702 of the Act, each contractor must compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

9.29.3 Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

9.29.4 Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387). Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. §§7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. §§1251-1387) and will report violations to FEMA and the Regional Office of the Environmental Protection Agency (EPA). The Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water PollutionControl Act (33 U.S.C. 1251-1387), as amended—applies to Contracts and subgrants of amounts in excess of $150,000.

9.29.5 Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689(3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

9.29.6 Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding $100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non- Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

9.29.7 Compliance with Procurement of recovered materials as set forth in 2 CFR § 200.322. CONTRACTOR must comply with section 6002 of the Solid Waste disposal Act, as amended, by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered

materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds $10,000 or the value of the quantity acquired during the preceding fiscal year exceeded $10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

OTHER FEDERAL REQUIREMENTS (In a Declared Event)

9.29.9 Americans with Disabilities Act of 1990, as amended (ADA) – The CONTRACTOR will comply with all the requirements as imposed by the ADA, the regulations of the Federal government issued thereunder, and the assurance by the CONTRACTOR pursuant thereto.

9.29.10 Disadvantaged Business Enterprise (DBE) Policy and Obligation - It is the policy of SynergyNDS that DBE's, as defined in 49 C.F.R. Part 26, as amended, shall have the opportunity to participate in the performance of contracts financed in whole or in part with SYNERGYNDS funds under this Agreement. The DBE requirements of applicable federal and state laws and regulations apply to this Agreement. SynergyNDS and its CONTRACTOR agree to ensure that DBE's have the opportunity to participate in the performance of this Agreement. In this regard, all recipients and contractors shall take all necessary and reasonable steps in accordance with 2 C.F.R. § 200.321(as set forth in detail below), applicable federal and state laws and regulations to ensure that the DBE's have the opportunity to compete for and perform contracts. SynergyNDS and the CONTRACTOR and subcontractors shall not discriminate on the basis of race, color, national origin or sex in the award and performance of contracts, entered pursuant to this Agreement. 2 C.F.R. § 200.321 CONTRACTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS

a) If the CONTRACTOR, with the funds authorized by this Agreement, seeks to subcontract goods or services, then, in accordance with 2 C.F.R. §200.321, the CONTRACTOR shall take the following affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used whenever possible.

b) Affirmative steps must include:

   I. Placing qualified small and minority businesses and women's business enterprises on solicitation lists;

   II. Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;

   III. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;

   IV. Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;

   V. Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

VI. Requiring the Prime contractor, if subcontractor are to be let, to take the affirmative steps listed in paragraph (1) through (5) of this section.

9.30 The Contractor shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Contractor during the term of the Contract and shall expressly require any subcontractors performing work or providing services pursuant to the Contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the Contract term.

9.31 If attached, the CONTRACTOR is bound by the terms and conditions of the Federally-Funded Subaward and Grant Agreement between SYNERGYNDS and the Texas Division of Emergency Management (Division).

9.32 The CONTRACTOR shall hold the Division and SYNERGYNDS harmless against all claims of whatever nature arising out of the CONTRACTOR's performance of work under this Agreement, to the extent allowed and required by law.

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IFB – CONTRACTOR SUBMITTAL FORM

IFB Number	Scope Number	Closing Date	Closing Time	Return IFB Submittal
GC2018092556-6883	6015	10/14/2019	2:00pm CST	bids@synergynds.com

Company Name: _____

Address Line 1: _____

Address Line 2: _____

City: _____

State: _____ Zip Code: _____

Contractor Certification: ☐ DBE ☐ WBE/WOSB ☐ HUB ☐ SDVOSB/VOSB

CONTRACTOR LUMP SUM PROPOSAL:

IFB TITLE	Like Kind Replacement	**PROPOSAL:**	$
IFB TITLE	Impact Resistant Glass Replacement	**PROPOSAL:**	$
IFB TITLE	Click or tap here to enter text.	**PROPOSAL:**	$
IFB TITLE	Click or tap here to enter text.	**PROPOSAL:**	$

Material Deposit | ☐Required | ☐Requested | in the amount of $ _____

I, having the legal authorization to represent the "Company" (the undersigned) have read and understood all previous 1-9 pages and the subsequent Attached Exhibits in accordance to the applicable Terms & Conditions as described in the IFB Packet preceding the attached Contractor Submittal Form:

Company Contact Name (Please Print) | **Company Title (Please Print)**

Signature | **Date**

*Material Deposits &/or Advanced Payments require Contractor to complete online registration in the Managed Vendor Program (MVP). MVP has an annual $49.99 Registration Fee to be part of the Contractor Direct Repair Program. Material Deposits &/or Advanced Payments will require a 2% Invoice Payment Discount.

INVITATION FOR BID (IFB)
GC2018092556-038001-Exhibit A

Project Summary: The Martin Theatre is a landmark for the Downtown area of Panama City. The Martin Theatre sustained damages as a result of Hurricane Michael. Damages include the roof, exterior wall finishes, exterior wall framing, window glazing, doors, and all interior finishes. Interior finishes have been removed during remediation work.

Bidding Information:
Bids are to be returned to:
bids@synergynds.com

This bid is for the windows, glazing, store front, and doors only. No other work mentioned in the bid specification binder is to be included in the contractors bid.

Two (2) line items for bid pricing are to be provided. First line item is lump sum to replace windows with like kind windows currently in place. Second line item is lump sum to replace windows with impact resistant which comply with specifications in the bid document packet. Bid is to be provided as a Lump Sum pricing for all window framing, glazing, and doors according to the provided specifications in the bid document binder. Bid is specific to the exterior doors and windows.

Request for Information:
Questions or requests for information can be obtained by emailing bids@synergynds.com

Location:
Martin Theatre
409 Harrison Ave.
Panama City, FL 32401

Bid packets shall include the following:
1) Completed IFB Form
2) Copies of Florida Licenses'.
3) Letter stating ability to bond for the value of the project.
4) All proposed materials to be used with manufacture warranty information.
5) Product date information sheet.
6) Florida Product Approval Sheet for all proposed materials to be used.
7) Proposed timeline for project from beginning of project to completion.
8) References for completion of similar scope and size of project with similar materials.

Work Scope:

INVITATION FOR BID (IFB)
GC2018092556-038001-Exhibit A

The following is a high-level overview of the contracted work to be completed. Contractor is required to reference the Bid Specifications Binder for all in-depth information relating to the required work to be completed and material specifications. Applicable Divisions: Division 1 and Division 8

- All work to be done in accordance with manufactures specifications, specification in the attached bid document binder, and Federal, State, Local codes, laws & ordinances.
- Contractor is to remove all identified components as identified in the provided drawings.
- Provide and install all required doors, window frames, glazing, hardware, etc. as indicated in the bid specification document binder.
    - Frames shall be properly anchored in accordance to manufactures recommendations and with materials as indicated in the bid specifications document binder.
    - All required hardware as identified in the bid specifications document binder.
- Closure of Harrison Ave. and 4th Street west bound lane will need to be coordinated accordingly. Notification to SynergyNDS One (1) week prior to needing the west bound lane to be closed will be required. Contractor will be required to provide all cones, flagging, and signage for lane closure. The lane must be opened at the end of the workday.
- Contractor is to secure all equipment, materials, and tools inside the fenced area at the end of each workday.
- Areas open to the public must always be kept clean and free of debris.
    - Sidewalks are to be swept clean and free of debris at the end of each workday.
- SynergyNDS to provide the following in conjunction with completion of the work scope:
    - Roll off dumpster services.
    - Portable toilet and hand washing stations
    - Fencing of back parking lot area with Two (2) gates in designated location.

Reminder Notes:

1. Contractor is responsible to validate all quantities and units of measurements specific to the scope items above. Information above is intended as a general guidance purpose only.
2. Contractor has the sole responsibility to ensure that all services and materials for bid submittal meet all codes and standards. This include that all work must be completed in order to meet all codes and standards.
3. Contractor should also consider method to stock/store materials at the jobsite in a safe and secure manner. SynergyNDS will not be responsible for lost or stolen materials, supplies, or equipment from the location.
4. Contractor is strongly encouraged to schedule a site visit of the property as necessary to support the IFB submittal.
5. Contractor can submit request for site visit, all questions &/or concerns to the specific IFB by emailing: bids@synergynds.com

EXTERIOR RENOVATIONS
MARTIN THEATRE
409 HARRISON AVENUE
FOR
CITY of PANAMA CITY

B-1 EXISTING BUILDING IMAGE
SCALE: NTS

NEW EIFS ON METAL STUD

NEW EIFS ON EXISTING STUD / MASONRY

EXISTING TO REMAIN

ITEM TO BE REMOVED

DETAIL # / SHEET APPEARS ON — XX / XX.X — DETAIL KEY

SECTION # / SHEET APPEARS ON — XX / XX.X — BUILDING SECTION WALL SECTION

ELEVATION # / SHEET APPEARS ON — XX / XX.X — INTERIOR ELEVATION ONE WALL

ELEVATION # / SHEET APPEARS ON — XX / XX.X / XX — INTERIOR ELEVATION MORE THAN ONE WALL SAME ROOM

STOREFRONT TYPE — X — STOREFRONT TYPE REF. DOOR SCHEDULE

EX — EXISTING STOREFRONT TO REMAIN

DOOR NUMBER — XXXX — REF. DOOR SCHEDULE

KEYNOTE — XX.XX — REF. KEYNOTE LIST

FINISH FLOOR ELEVATION

ALM	ALARM
AFF	ABOVE FINISHED FLOOR
ACT	ACOUSTICAL CEILING TILE
AWT	ACOUSTICAL WALL TREATMENT
ADJ	ADJUSTABLE
A/C	AIR CONDITION
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ADA	AMERICANS WITH DISABILITIES ACT
ARCH	ARCHITECT
BALC	BALCONY
BR	BEDROOM
BM	BENCHMARK
BITUM	BITUMINOUS
BD	BOARD
BOT	BOTTOM
BRKT	BRACKET
BI FLD DR	BIFOLDING DOORS
BLDG.	BUILDING
CW	CASEMENT WINDOW
CBB	CEMENTITIOUS (BACKER) BOARD
CAB	CABINET
CPT	CARPET
CTR	CENTER
℄	CENTER LINE
C/C	CENTER TO CENTER
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CH BD	CHALKBOARD
CR	CLOSET ROD
CH	COAT HOOK
COL	COLUMN
CLL	COLUMN LINE
CMU	CONCRETE MASONRY UNIT
CSB	CONCRETE SPLASH BLOCK
CJ	CONTROL JOINT
DBL	DOUBLE
DHW	DOUBLE HUNG WINDOWS
DMPF	DAMP PROOFING
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DS	DOWN SPOUT
DWG	DRAWING
EB	EXPANSION BOLT
EWC	ELECTRIC WATER COOLER
EA	EACH
E	EAST
EL	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EXH	EXHAUST
EXIST	EXISTING
EJ	EXPANSION JOINT
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
FOS	FACE OF STUD
FT	FEET
FIN	FINISH
FIN FLR	FINISH FLOOR
FIN GR	FINISH GRADE
FO	FINISHED OPENING
FA	FIRE ALARM
FX	FIRE EXTINGUISHER
FXC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FLR FIN	FLOOR FINISH
FLR SK	FLOOR SINK
FLUOR	FLUORESCENT
FV	FIELD VERIFY
GC	GENERAL CONTRACTOR
GALV	GALVANIZED
GL	GLASS
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GR FL	GROUND FLOOR
GDR	GUARD RAIL
GYM	GYMNASIUM
GYP BD	GYPSUM BOARD
GL BLK	GLASS BLOCK
HC	HANDICAP
HT	HEIGHT
HMD	HOLLOW METAL DOOR
HMDF	HOLLOW METAL DOOR AND FRAME
HMF	HOLLOW METAL FRAME
HORIZ	HORIZONTAL
HB	HOSE BIB
HC	HOSE CABINET
H&CW	HOT AND COLD WATER
HDG	HOT DIPPED GALVANIZED
HW	HOT WATER
INCL	INCLUDED
INFO	INFORMATION
ID	INSIDE DIAMETER
INSUL	INSULATION
JAN CLO	JANITOR CLOSET
LAM	LAMINATE
LAM GL	LAMINATED GLASS
LAV	LAVATORY
LT GA	LIGHT GAGE
LWC	LIGHTWEIGHT CONCRETE
LD BRG	LOAD-BEARING
LVR	LOUVER
LVT	LUXURY VINYL TILE
MFR	MANUFACTURER
MFR REC	MANUFACTURER'S RECOMMENDATION
MRT	MARBLE THRESHOLD
MO	MASONRY OPENING
MBR	MASTER BEDROOM
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MWP	MEMBRANE WATERPROOFING
MTL	METAL
MD	METAL DECK
METD	METAL DOOR
METF	METAL FLASHING
MEZZ	MEZZANINE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLDG	MOLDING(MOULDING)
MS	MOP SINK
N	NORTH
NA	NOT APPLICABLE
NTS	NOT TO SCALE
NO	NUMBER
ORD	OVERFLOW ROOF DRAIN
OH DR	OVERHEAD (COILING) DOOR
OF/CI	OWNER FURNISHED INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED
PT	PAINT
PR	PAIR
PNL	PANEL
PERIM	PERIMETER
PLAM	PLASTIC LAMINATE
PWR	POWER
PCC	PRE CAST CONCRETE
PTR	PRESSURE TREATED
PRT	PORCELAIN TILE
QTY	QUANTITY
QTR	QUARTER
R	RADIUS
RLG	RAILING
REC	RECESSED
REF	REFERENCE
RDL	ROOF DRAIN LEADER
RCP	REFLECTED CEILING PLAN
REINF	REINFORCE
REBAR	REINFORCING STEEL BARS
REQD	REQUIRED
REV	REVISION
RH	RIGHT HAND
RDG INS	RIGID INSULATION, SOLID
RDL	ROOF DRAIN LEADER
RD	ROOF DRAIN
RH	ROOF HATCH
RO	ROUGH OPENING
RB	RUBBER BASE
SAN	SANITARY
SCHED	SCHEDULE
SCP	SCUPPER
SLNT	SEALANT
SMLS	SEAMLESS
SHT	SHEET
SM	SHEET METAL
SHV	SHELVING
SH	SHINGLES
SD	SHOP DRAWINGS
SHR	SHOWER
SHRD	SHOWER DRAIN
SHR HD	SHOWER HEAD
SKLT	SKYLIGHT
SGD	SLIDING GLASS DOOR
SCMU	SOLID CONCRETE MASONRY UNIT
SCWD	SOLID CORE WOOD DOOR
STC	SOUND TRANSMISSION CLASS
S	SOUTH
SQ	SQUARE
SF	SQUARE FOOT(FEET)
SQ YD	SQUARE YARD
SST	STAINLESS STEEL
SS	STANDING SEAM (ROOF)
STL JST	STEEL JOIST
STL RF DK	STEEL ROOF DECK
ST	STREET
TMPD GL	TEMPERED GLASS
TEMP	TEMPORARY
THK	THICKNESS
TO	TOP OF _____
TOB	TOP OF BEAM
TOS	TOP OF STEEL
TN	TRUE NORTH
TYP	TYPICAL
UCD	UNDERCUT DOOR
UR	URINAL
VAP PRF	VAPOR PROOF
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
VIF	VERIFY IN FIELD
VERT	VERTICAL
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VFAT	VINYL FACED ACOUSTICAL TILE
WC	WATER CLOSET
WH	WATER HEATER
WPM	WATERPROOF MEMBRANE
WH	WEEP HOLE
WWF	WELDED WIRE FABRIC
WGL	WIRED GLASS
W/	WITH
WD	WOOD
WDF	WOOD DOOR AND FRAME

A-1 SYMBOLS / LEGEND / ABBREVIATIONS
SCALE: NTS

COVER:

A001	COVER SHEET - LIST OF DRAWINGS, PROJECT TEAM, LIST OF ALTERNATES, GENERAL NOTES, SYMBOLS & ABBREVIATIONS, PROJECT DATA, PROJECT MAP

ARCHITECTURAL SHEETS:

D101	DEMOLITION PLAN
D102	DEMOLITION REFLECTED CEILING PLAN - MARQUEE
D201	EXTERIOR ELEVATIONS - DEMOLITION
D202	EXTERIOR ELEVATIONS - DEMOLITION
D203	EXTERIOR ELEVATIONS - DEMOLITION
D204	EXTERIOR ELEVATIONS - DEMOLITION.
A101	OVERALL FLOOR PLANS
A102	REFLECTED CEILING PLAN - MARQUEE
A201	EXTERIOR ELEVATIONS - NEW WORK
A202	EXTERIOR ELEVATIONS - NEW WORK
A203	EXTERIOR ELEVATIONS - NEW WORK
A204	EXTERIOR ELEVATIONS - NEW WORK
A301	WALL SECTIONS
A302	DETAILS
A303	DETAILS
A501	DOOR AND WINDOW TYPES, DOOR SCHEDULE

C-3 LIST OF DRAWINGS
SCALE: NTS

ADD ALTERNATE #1:
REPLACE EXISTING METAL STUDS AT MARTIN THEATRE GREEN ROOM AND FLY-HOUSE GALLERY PRIOR TO NEW EIFS SYSTEM

C-2 LIST OF ALTERNATES
SCALE: NTS

- THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO PERFORMING NEW WORK.
- SURFACES SHALL BE PATCHED IF NECESSARY TO PROVIDE SUITABLE SUBSTRATE FOR NEW FINISHES.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY HAZARDOUS OR TOXIC MATERIALS DISCOVERED TO THE ARCHITECT, OWNERS AND AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR TO CONSULT w/ STRUCTURAL ENGINEER PRIOR TO ANY ALTERATION OF POTENTIAL STRUCTURAL ELEMENTS

C-1 GENERAL NOTES
SCALE: NTS

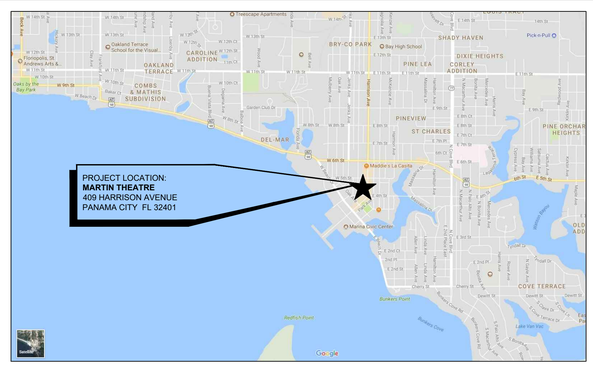
CLASSIFICATION OF WORK:
REPAIR / ALTERATION - LEVEL 1

APPLICABLE CODES:
FLORIDA BUILDING CODE - EXISTING BUILDING CODE 2017 EDITION, 6TH EDITION CHAPTER 6
FLORIDA BUILDING CODE - BUILDING 2017 EDITION, 6TH ADDITION (WHERE APPLICABLE)

BUILDING RISK CATEGORY III (BUILDING OCCUPANCY PUBLIC ASSEMBLY GREATER THAN 300)

HISTORIC BUILDING STATUS:
BUILDING IS NOT LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES

B-2 PROJECT DATA
SCALE: NTS



A-3 Project Location Map
SCALE: NTS

OWNER:	FMIT PROGRAM MANAGER:	ARCHITECT:	
City of Panama City 501 Harrison Ave Panama City, FL 32401 Ph: (850) 872-3010	Synergy NDS / FMIT Turnkey Recovery Program 1400 Sarno Rd Melbourne, FL 32935 Phone: (888) 580-7080 PIC: Jason Stoltzfus / Keith Bassett Email: jasons@synergynds.com / kbassett@synergynds.com	DAG Architects, Inc. 455 Harrison Ave - Suite B Panama City, FL 32401 Phone: (850) 420-0591 PIC: Owen Gipson, AIA Email: ogipson@dagarchitects.com	

A-2 Project Team and Discipline Allocation
SCALE: NTS

DAG
ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations
Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA
OWEN E. GIPSON
AR 0017764
9/20/19
REGISTERED ARCHITECT

No.	Description	Date
-	-	-
-	-	-
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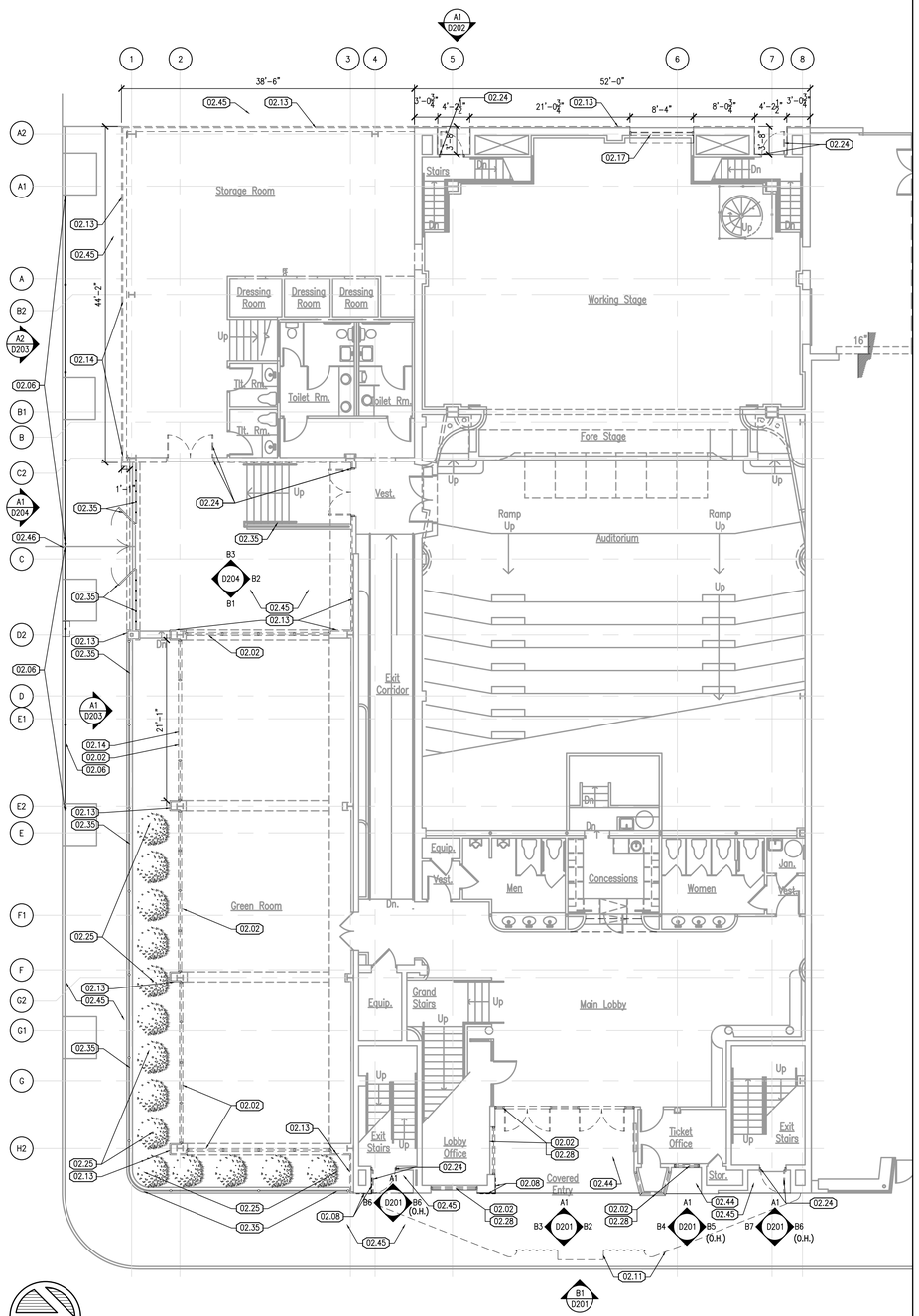
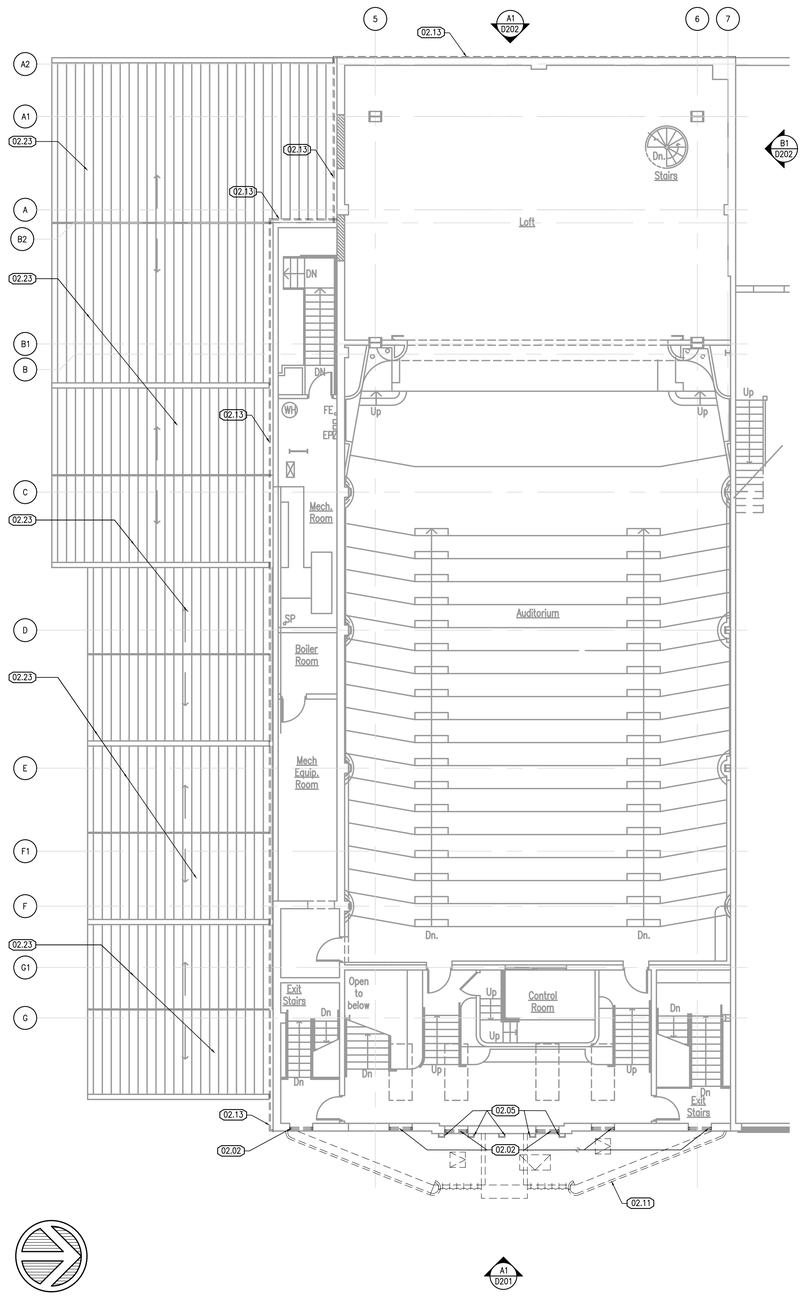
TITLE SHEET
-
-

Project number: 19058
Date: 09-20-2019
PIC OEG
PM CCH

A001





DEMOLITION GENERAL NOTES

- THE CONTRACTOR IS TO THOROUGHLY FAMILIARIZE THEMSELVES WITH THE FACILITY AND EXISTING CONDITIONS PRIOR TO BIDDING; NO CLAIMS FOR ADDITIONAL WORK DUE TO OBSERVABLE CONDITIONS WILL BE CONSIDERED.
- THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS FROM PROPOSED PLANS PRIOR TO PERFORMING NEW WORK.
- BEFORE COMMENCEMENT OF DEMOLITION, TAKE PHOTOGRAPHS OF PROJECT SITE AND SURROUNDING PROPERTIES INCLUDING EXISTING ITEMS TO REMAIN DURING CONSTRUCTION, FROM VARYING VANTAGE POINTS, TO DOCUMENT AND RECORD EXISTING CONDITIONS. PHOTOGRAPHS SHALL SHOW EXISTING CONDITIONS OF ADJOINING CONSTRUCTION, INCLUDING FINISH SURFACES, THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SELECTIVE DEMOLITION OPERATIONS. SUBMIT DOCUMENTATION BEFORE WORK BEGINS.
- REFER TO DEMOLITION KEYNOTES FOR SPECIFIC DEMOLITION REQUIREMENTS.
- SPECIFIC DEMOLITION ITEMS ARE NOT TO BE CONSIDERED ALL INCLUSIVE OR COMPLETE IN AND OF THEMSELVES.
- CONTRACTOR TO PERFORM ADDITIONAL DEMOLITION THAT MIGHT REASONABLY BE REQUIRED FOR THE PREPARATION FOR INSTALLATION OF NEW CONSTRUCTION OR SPECIFIED FINISHES.
- DEMOLITION SHALL BE PERFORMED IN A MANNER THAT WILL NOT DAMAGE ADJACENT OR ADJOINING SURFACES INDICATED TO REMAIN. ANY DAMAGE CAUSED BY THE CONTRACTOR WILL BE REPAIRED BY CONTRACTOR AT NO COST TO THE OWNER.
- SURFACES SHALL BE PATCHED/REPAIRED IF NECESSARY TO PROVIDE SUITABLE SUBSTRATE FOR NEW FINISHES.
- EXERCISE CARE DURING WORK TO PROTECT INTERIOR AND EXTERIOR EXISTING CONSTRUCTION TO REMAIN. REPAIR ANY AND ALL DAMAGE TO EXISTING CONSTRUCTION AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY HAZARDOUS OR TOXIC MATERIALS DISCOVERED TO THE ARCHITECT, OWNERS AND AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR TO CONSULT w/ STRUCTURAL ENGINEER PRIOR TO ANY ALTERATION OF POTENTIAL STRUCTURAL ELEMENTS.
- BEFORE REMOVAL OF EXISTING BUILDING ELEMENTS THAT WILL BE REPRODUCED OR DUPLICATED IN FINAL WORK, MAKE PERMANENT RECORD OF MEASUREMENTS, MATERIALS, AND CONSTRUCTION DETAILS REQUIRED TO MAKE EXACT REPRODUCTION.

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION

02.01	EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02	REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03	EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04	REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05	REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06	EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07	EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08	REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09	EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10	REMOVE EXISTING SIGN.
02.11	CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12	REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13	REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14	REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15	HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16	HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17	REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18	REMOVE EXISTING DOCK BUMPERS
02.19	CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20	CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21	EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22	REMOVE EXISTING LOUVER
02.23	EXISTING STANDING SEAM METAL ROOF.
02.24	REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25	REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26	EXISTING SINGLE-PLY ROOF
02.27	EXISTING PREFINISHED ALUMINUM FASCIA
02.28	CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29	CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30	EXISTING LIGHT FIXTURE TO REMAIN.
02.31	REMOVE EXISTING LIGHT FIXTURE
02.32	EXISTING VENT TO REMAIN
02.33	EXISTING PARAPET COPING, TYP.
02.34	CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35	REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36	EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37	EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38	EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39	EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40	EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41	REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42	REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43	EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44	EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45	EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46	SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47	EXISTING STRUCTURE
02.48	EXISTING PLYWOOD
02.49	EXISTING FLASHING
02.50	EXISTING STUDS
02.51	EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52	EXISTING SLAB
02.53	EXISTING ALUMINUM GUTTER
02.54	EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55	EXISTING GYP. BD.

DAG ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA
COLLEEN E. GIPSON
AR 0017764
9/20/19
REGISTERED ARCHITECT

No.	Description	Date
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

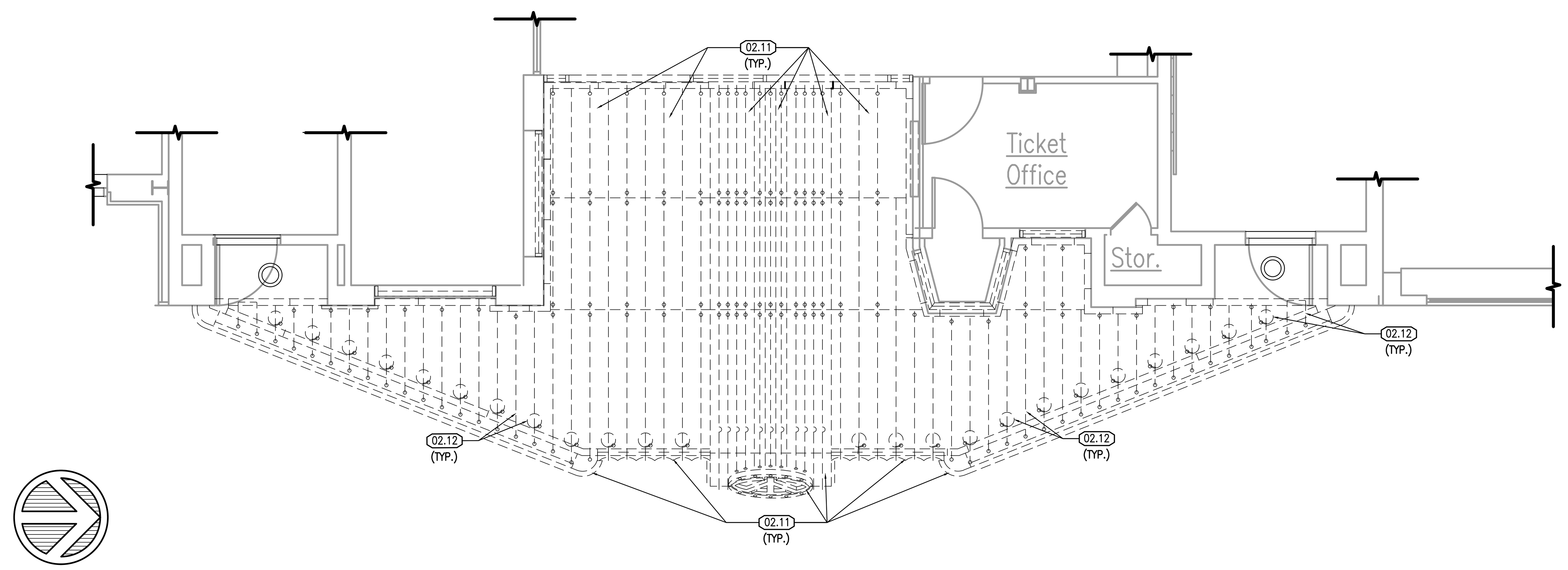
DEMOLITION FLOOR PLAN

Project number: 19058
Date: 09-20-2019
PIC OEG
PM

D101

A1 FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

A2 2ND FLOOR PLAN
SCALE: 1/8"=1'-0"



A1 — ENLARGED REFLECTED CEILING PLAN - MARQUEE

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

DEMOLITION GENERAL NOTES

- THE CONTRACTOR IS TO THOROUGHLY FAMILIARIZE THEMSELVES WITH THE FACILITY AND EXISTING CONDITIONS PRIOR TO BIDDING; NO CLAIMS FOR ADDITIONAL WORK DUE TO OBSERVABLE CONDITIONS WILL BE CONSIDERED.
- THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS FROM PROPOSED PLANS PRIOR TO PERFORMING NEW WORK.
- BEFORE COMMENCEMENT OF DEMOLITION, TAKE PHOTOGRAPHS OF PROJECT SITE AND SURROUNDING PROPERTIES INCLUDING EXISTING ITEMS TO REMAIN DURING CONSTRUCTION, FROM VARYING VANTAGE POINTS, TO DOCUMENT AND RECORD EXISTING CONDITIONS. PHOTOGRAPHS SHALL SHOW EXISTING CONDITIONS OF ADJOINING CONSTRUCTION, INCLUDING FINISH SURFACES, THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SELECTIVE DEMOLITION OPERATIONS. SUBMIT DOCUMENTATION BEFORE WORK BEGINS.
- REFER TO DEMOLITION KEYNOTES FOR SPECIFIC DEMOLITION REQUIREMENTS.
- SPECIFIC DEMOLITION ITEMS ARE NOT TO BE CONSIDERED ALL INCLUSIVE OR COMPLETE IN AND OF THEMSELVES.
- CONTRACTOR TO PERFORM ADDITIONAL DEMOLITION THAT MIGHT REASONABLY BE REQUIRED FOR THE PREPARATION FOR INSTALLATION OF NEW CONSTRUCTION OR SPECIFIED FINISHES.
- DEMOLITION SHALL BE PERFORMED IN A MANNER THAT WILL NOT DAMAGE ADJACENT OR ADJOINING SURFACES INDICATED TO REMAIN. ANY DAMAGE CAUSED BY THE CONTRACTOR WILL BE REPAIRED BY CONTRACTOR AT NO COST TO THE OWNER.
- SURFACES SHALL BE PATCHED/REPAIRED IF NECESSARY TO PROVIDE SUITABLE SUBSTRATE FOR NEW FINISHES.
- EXERCISE CARE DURING WORK TO PROTECT INTERIOR AND EXTERIOR EXISTING CONSTRUCTION TO REMAIN. REPAIR ANY AND ALL DAMAGE TO EXISTING CONSTRUCTION AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY HAZARDOUS OR TOXIC MATERIALS DISCOVERED TO THE ARCHITECT, OWNERS AND AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR TO CONSULT w/ STRUCTURAL ENGINEER PRIOR TO ANY ALTERATION OF POTENTIAL STRUCTURAL ELEMENTS.
- BEFORE REMOVAL OF EXISTING BUILDING ELEMENTS THAT WILL BE REPRODUCED OR DUPLICATED IN FINAL WORK, MAKE PERMANENT RECORD OF MEASUREMENTS, MATERIALS, AND CONSTRUCTION DETAILS REQUIRED TO MAKE EXACT REPRODUCTION.

##.##

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION

02.01	EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02	REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03	EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04	REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05	REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06	EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07	EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08	REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09	EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10	REMOVE EXISTING SIGN.
02.11	CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12	REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13	REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14	REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15	HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16	HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17	REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18	REMOVE EXISTING DOCK BUMPERS
02.19	CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20	CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21	EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22	REMOVE EXISTING LOUVER
02.23	EXISTING STANDING SEAM METAL ROOF.
02.24	REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25	REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26	EXISTING SINGLE-PLY ROOF
02.27	EXISTING PREFINISHED ALUMINUM FASCIA
02.28	CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29	CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30	EXISTING LIGHT FIXTURE TO REMAIN.
02.31	REMOVE EXISTING LIGHT FIXTURE
02.32	EXISTING VENT TO REMAIN
02.33	EXISTING PARAPET COPING, TYP.
02.34	CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35	REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36	EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37	EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38	EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39	EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40	EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41	REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42	REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43	EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44	EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45	EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46	SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47	EXISTING STRUCTURE
02.48	EXISTING PLYWOOD
02.49	EXISTING FLASHING
02.50	EXISTING STUDS
02.51	EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52	EXISTING SLAB
02.53	EXISTING ALUMINUM GUTTER
02.54	EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55	EXISTING GYP. BD.

DAG
ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations
Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

No.	Description	Date
-	-	-

MARQUEE DEMO REFLECTED CEILING PLAN

Project number:	19058
Date:	09-20-2019
PIC	OEG
PM	

D102

DEMOLITION GENERAL NOTES

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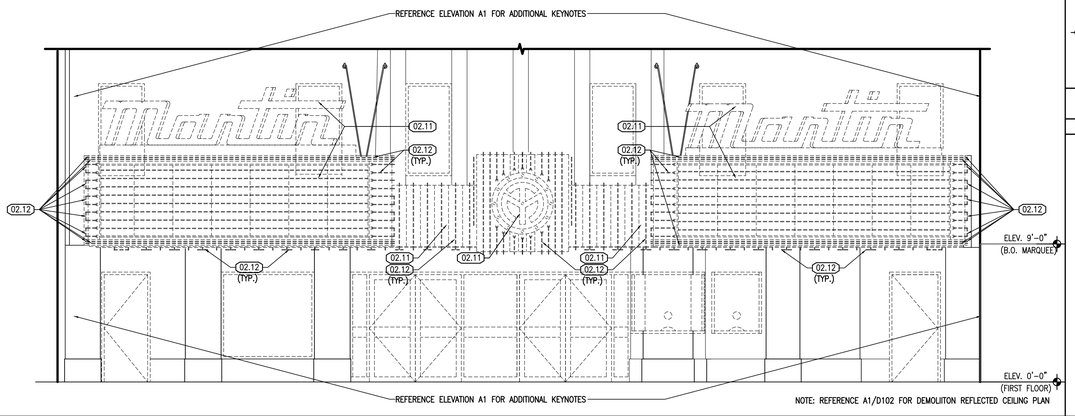
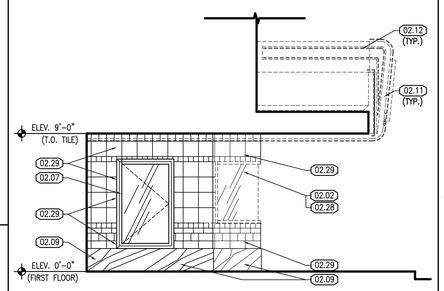
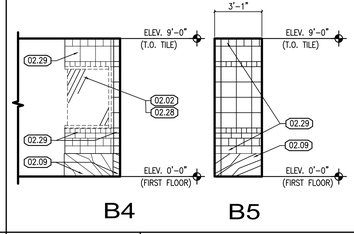


NOTE: REFERENCE A1/D102 FOR DEMOLIITON REFLECTED CEILING PLAN

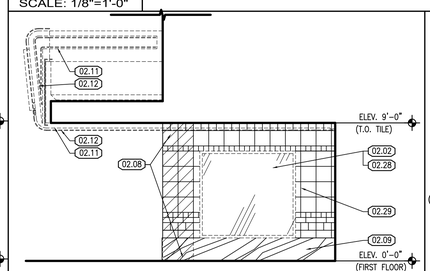
B1 EAST ELEVATION - MARTIN THEATRE MARQUEE
SCALE: 1/4"=1'-0"



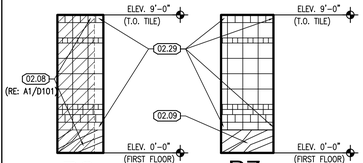
B2 N. ELEV. - ENTRY
SCALE: 1/8"=1'-0"



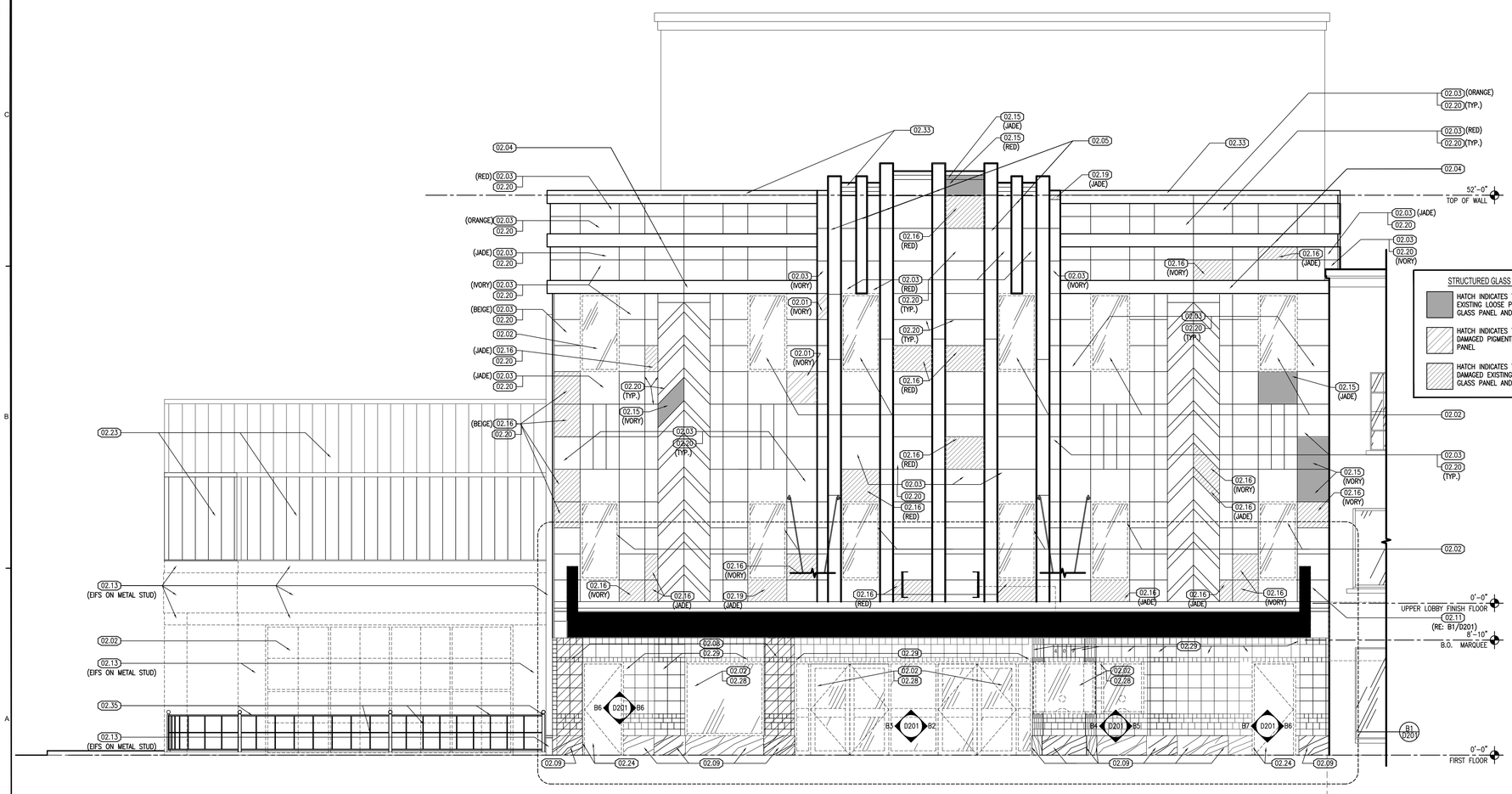
B4 - B5 TYP. TILE - ENTRY
SCALE: 1/4"=1'-0"



B3 S. ELEV. - ENTRY
SCALE: 1/4"=1'-0"



B6 - B7 TYP. TILE - ENTRY
SCALE: 1/4"=1'-0"



A1 EAST ELEVATION - MARTIN THEATRE
SCALE: 1/4"=1'-0"

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02.55 EXISTING GYP. BD.

DAG ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

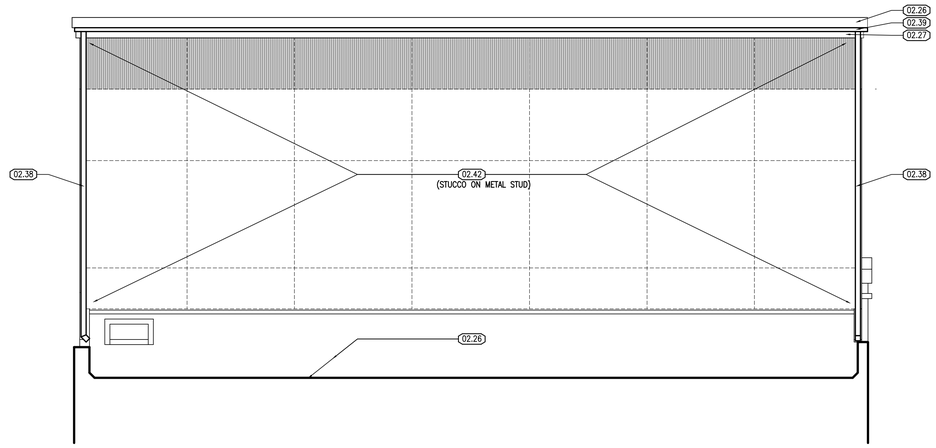
STATE OF FLORIDA
COLLIN E. GIPSON
AR 0017764
9/20/19
REGISTERED ARCHITECT

No.	Description	Date

EXTERIOR ELEVATIONS DEMOLITION

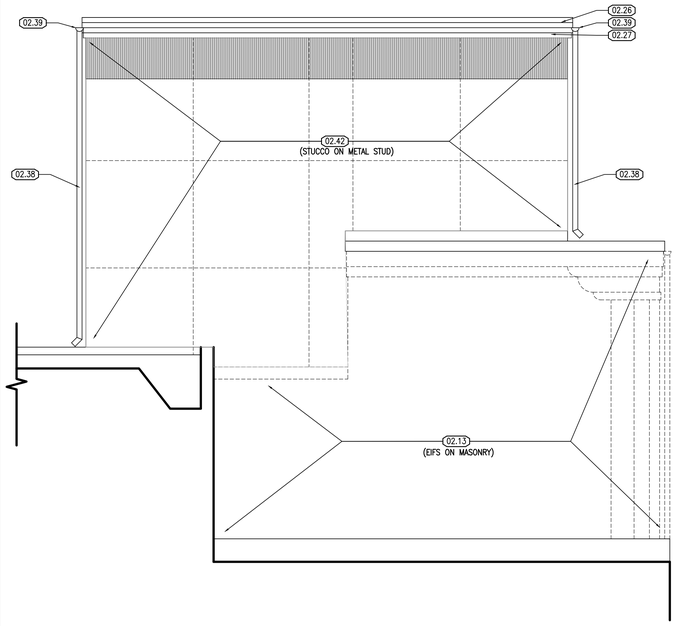
Project number: 19058
Date: 09-20-2019
PIC OEG
PM CCH

D201



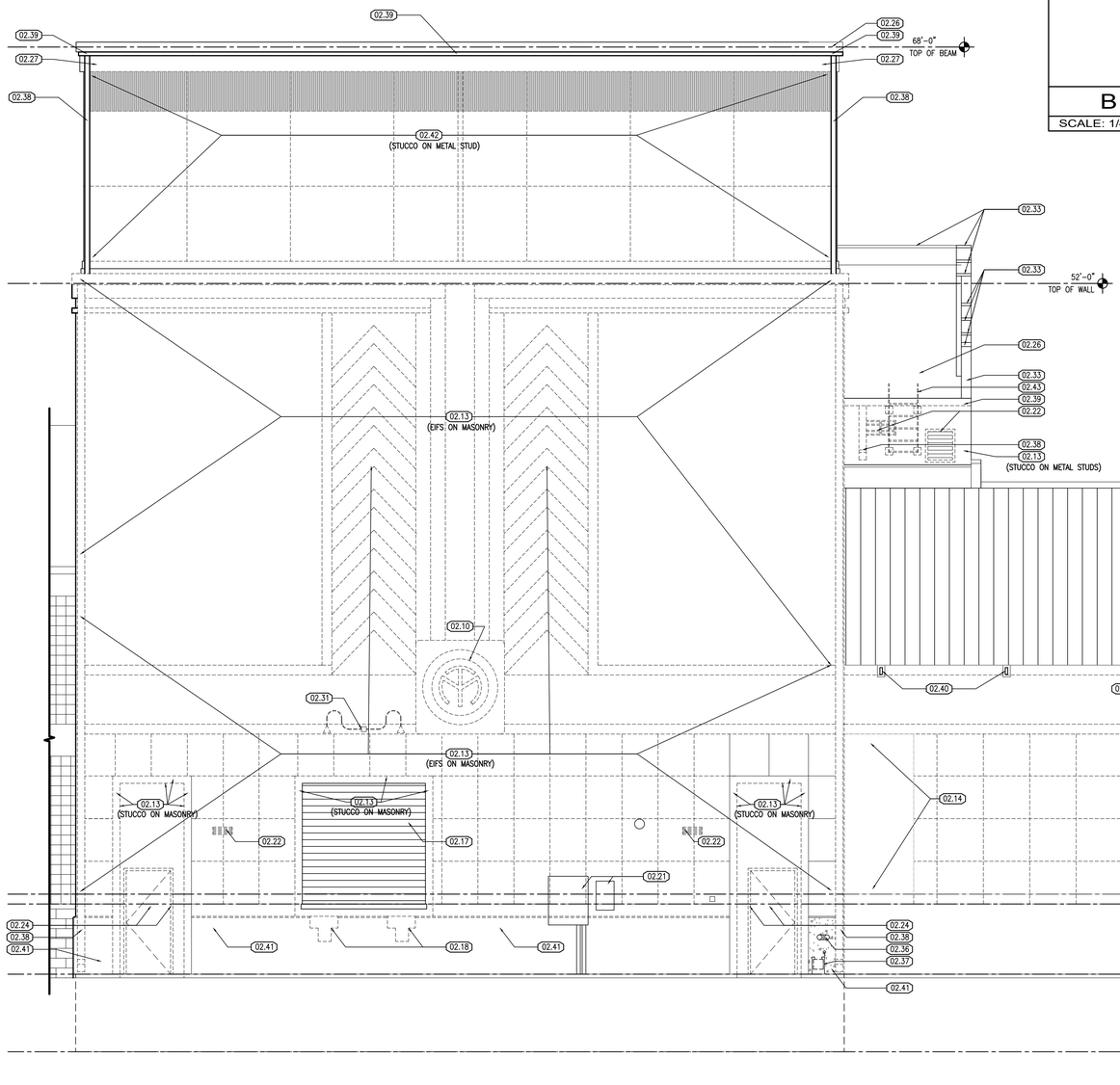
B2 EAST ELEVATION - FLY GALLERY

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



B1 NORTH ELEVATION - FLY GALLERY

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



A1 WEST ELEVATION - MARTIN THEATRE

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

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02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

DEMOLITION GENERAL NOTES

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- CONTRACTOR TO CONSULT w/ STRUCTURAL ENGINEER PRIOR TO ANY ALTERATION OF POTENTIAL STRUCTURAL ELEMENTS.
- BEFORE REMOVAL OF EXISTING BUILDING ELEMENTS THAT WILL BE REPRODUCED OR DUPLICATED IN FINAL WORK, MAKE PERMANENT RECORD OF MEASUREMENTS, MATERIALS, AND CONSTRUCTION DETAILS REQUIRED TO MAKE EXACT REPRODUCTION.

DAG ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA
COLBY E. GIBSON
AR 0017764
5/20/19
REGISTERED ARCHITECT

No.	Description	Date
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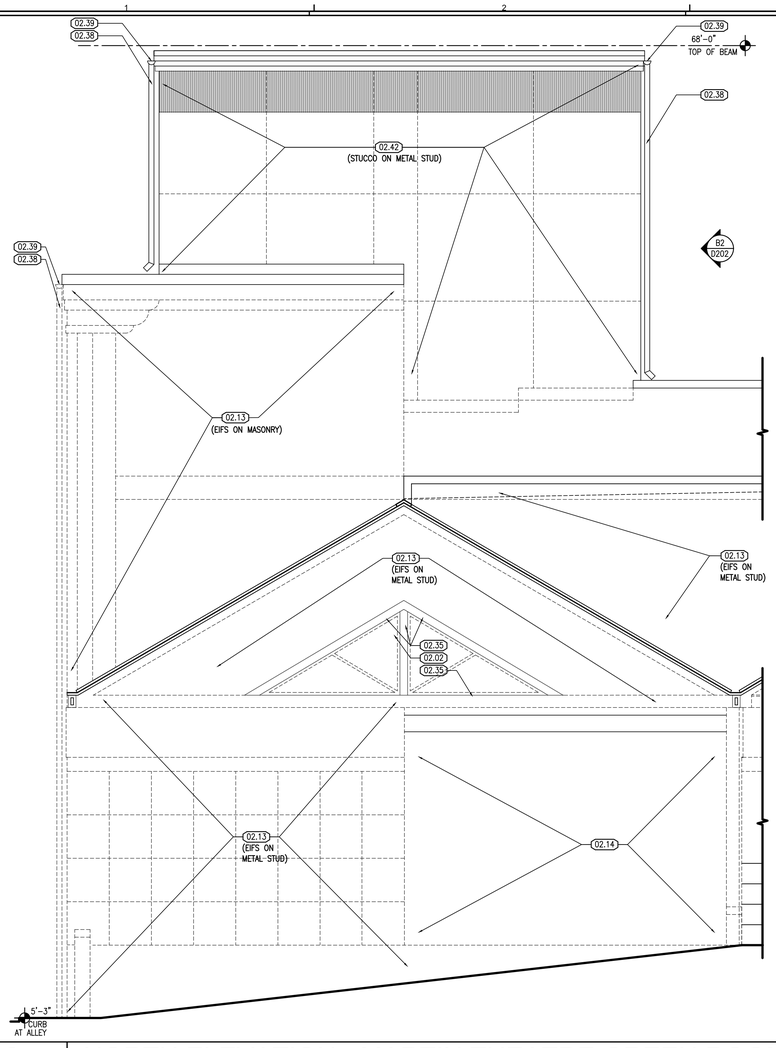
EXTERIOR ELEVATIONS DEMOLITION

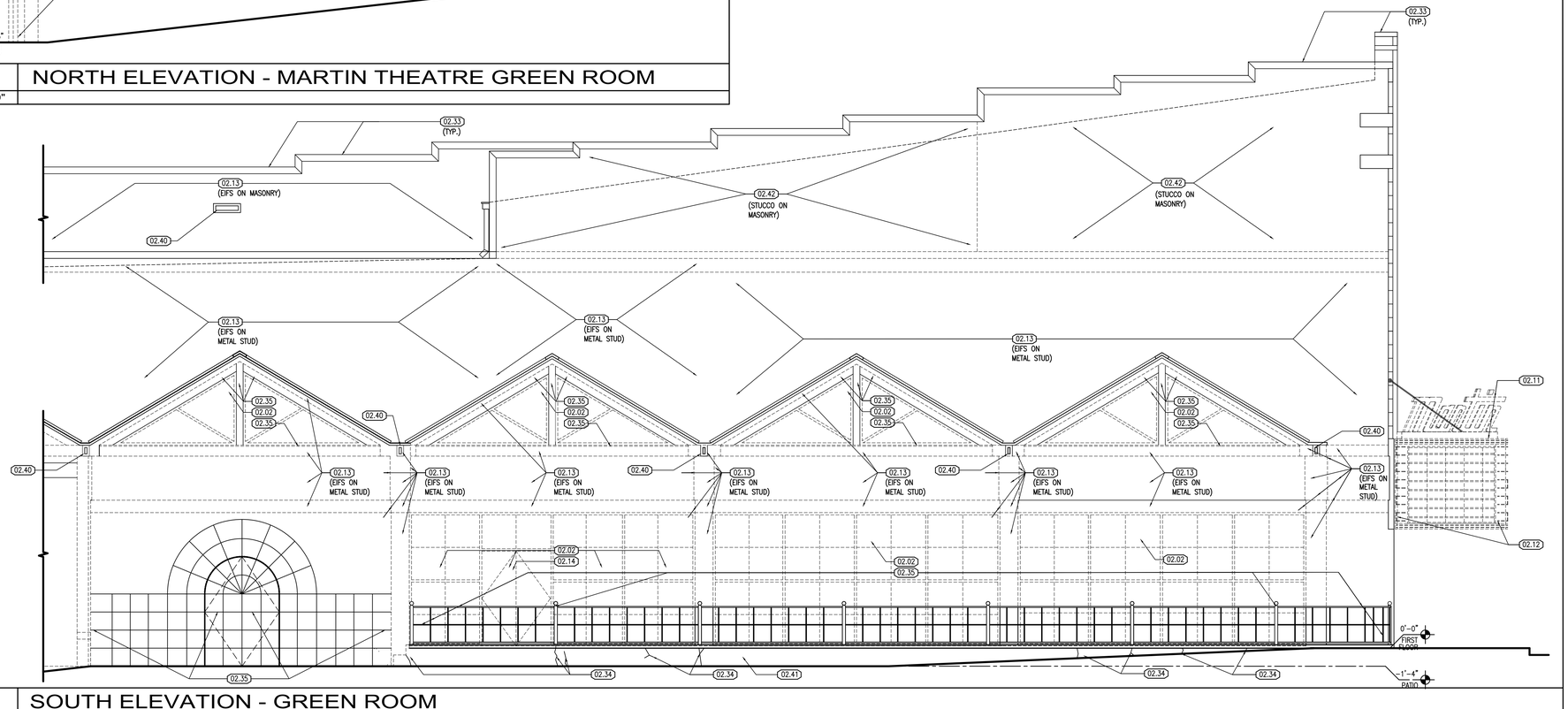
Project number:	19058
Date:	09-20-2019
PIC	OEG
PM	CCH

D202



A2 NORTH ELEVATION - MARTIN THEATRE GREEN ROOM

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



A1 SOUTH ELEVATION - GREEN ROOM

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

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(HH)

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION

02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
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02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
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02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
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02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
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02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
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CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

No.	Description	Date
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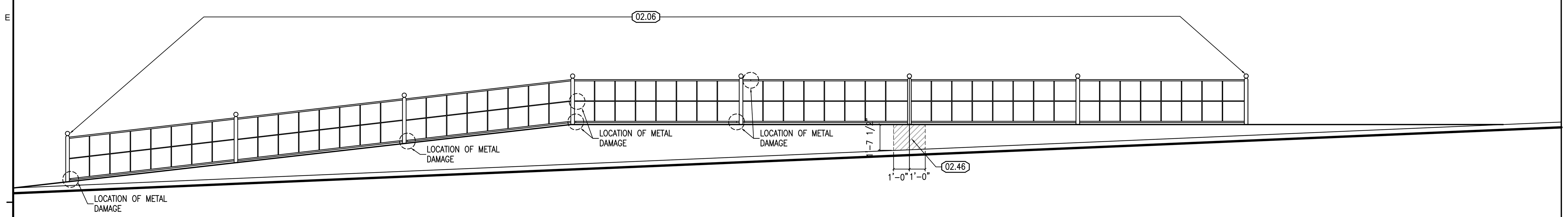
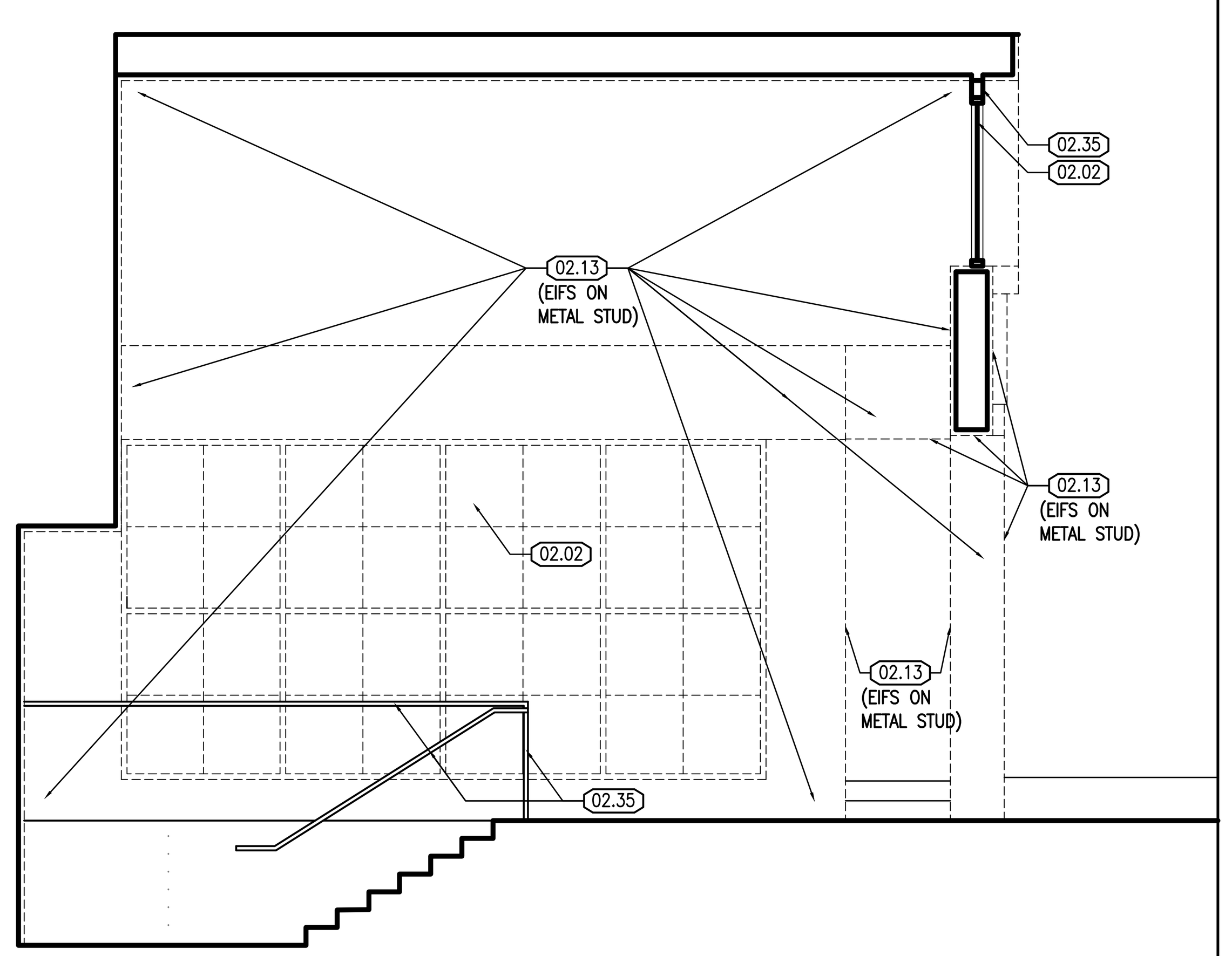
EXTERIOR ELEVATIONS DEMOLITION

Project number: 19058
Date: 09-20-2019
PIC OEG
PM CCH

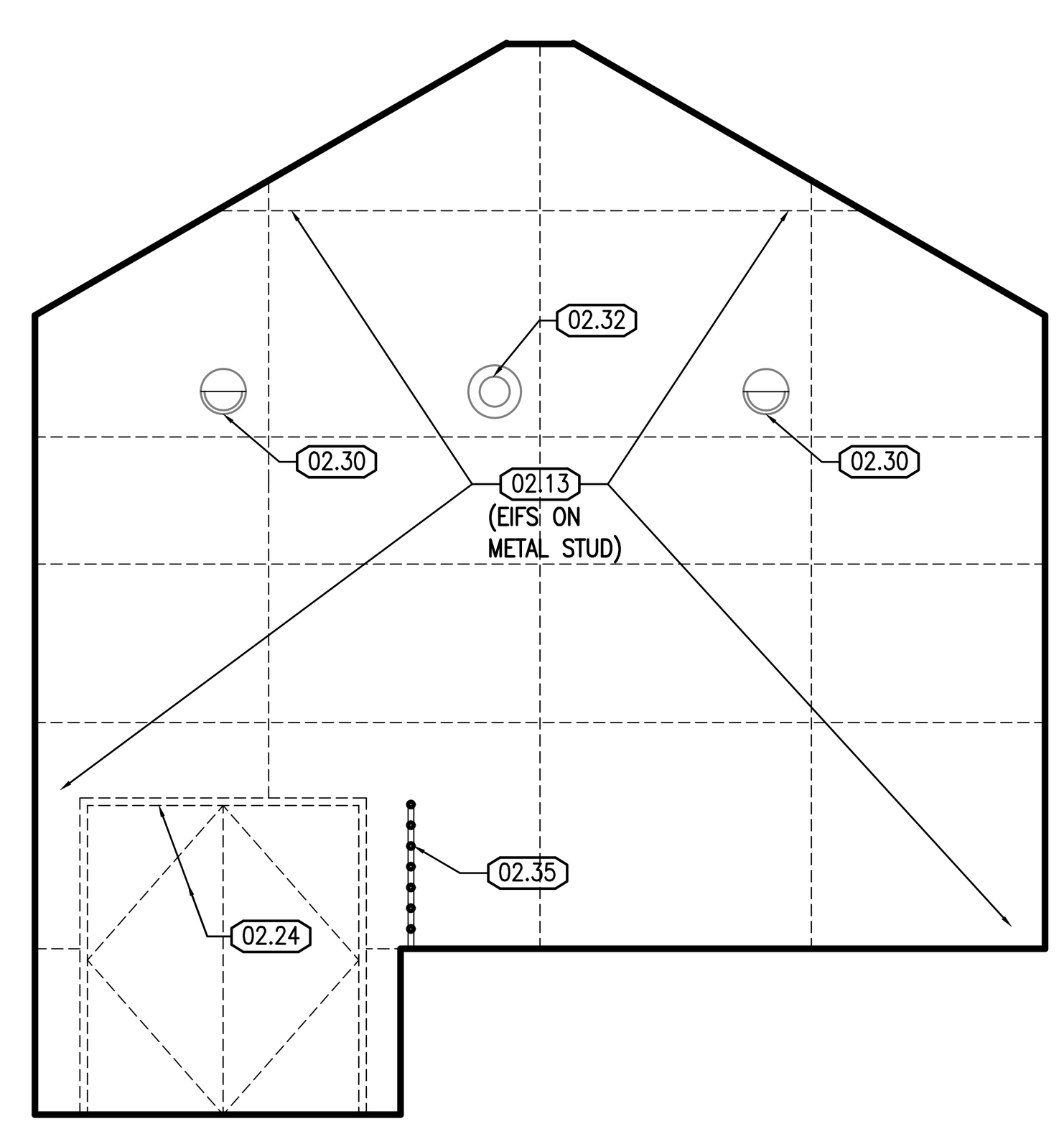
D203



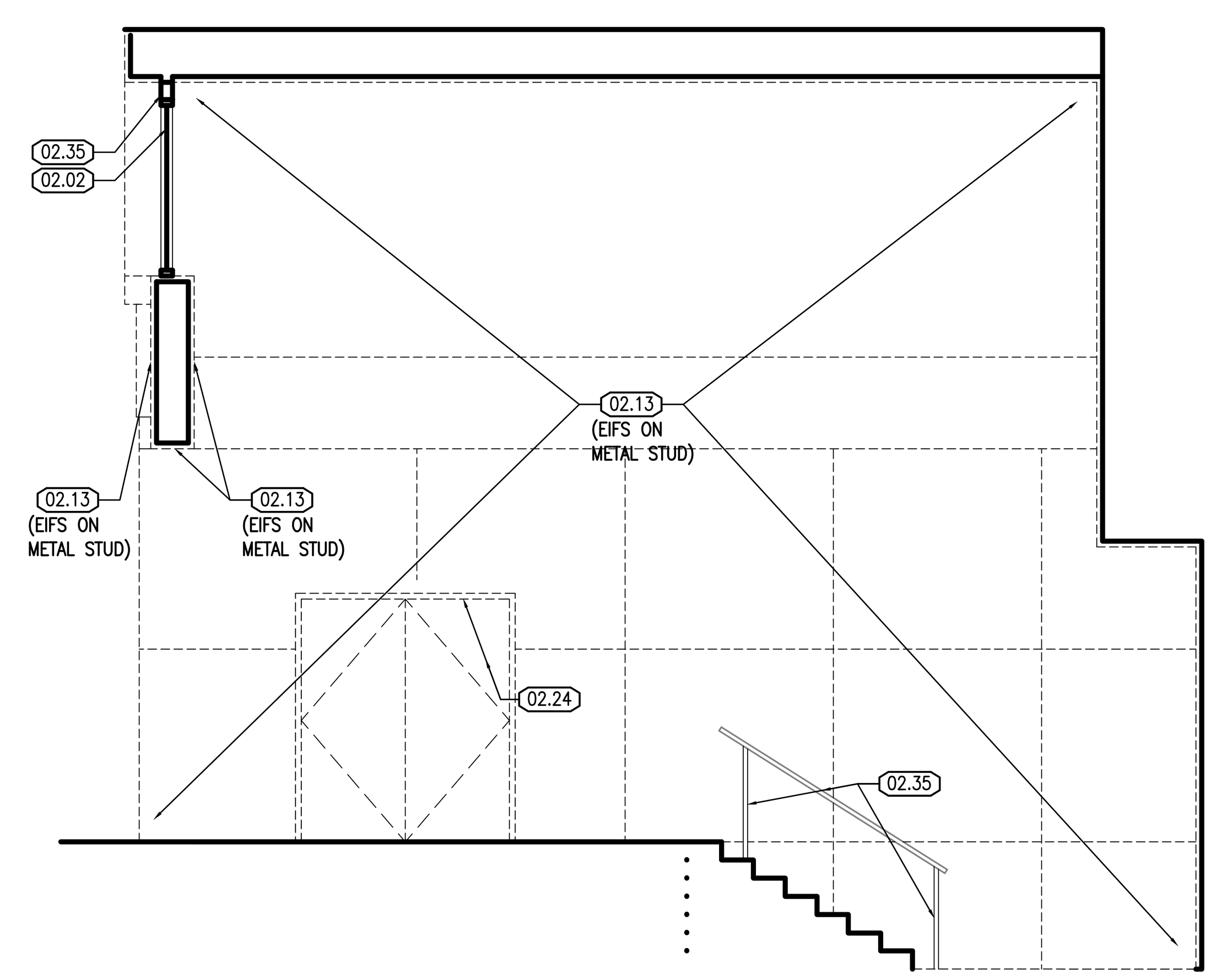
A1 NORTH ELEVATION - RAILING
SCALE: 1/4"=1'-0"



B1 EAST PATIO ELEVATION
SCALE: 1/8"=1'-0"



B2 NORTH PATIO ELEVATION
SCALE: 1/8"=1'-0"



B3 WEST PATIO ELEVATION
SCALE: 1/8"=1'-0"

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##.##

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION

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02.02	REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03	EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
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02.05	REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
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02.08	REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
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02.55	EXISTING GYP. BD.

DAG
ARCHITECTS
DAG Architects, AAC000745
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Panama City, Florida 32401
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CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA
OWEN E. GIPSON
AR 0017764
9/20/19
REGISTERED ARCHITECT

No.	Description	Date
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-	-	-
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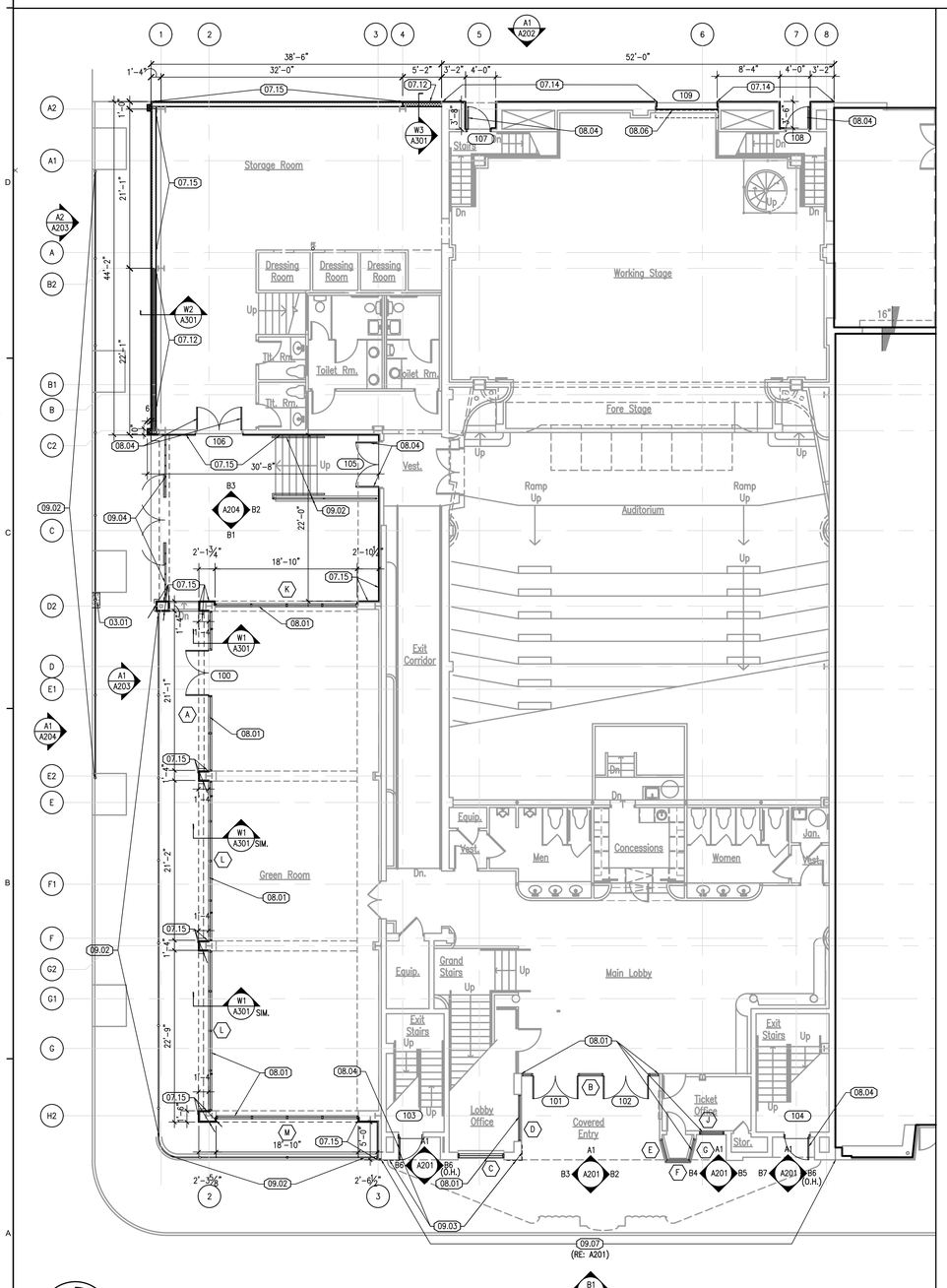
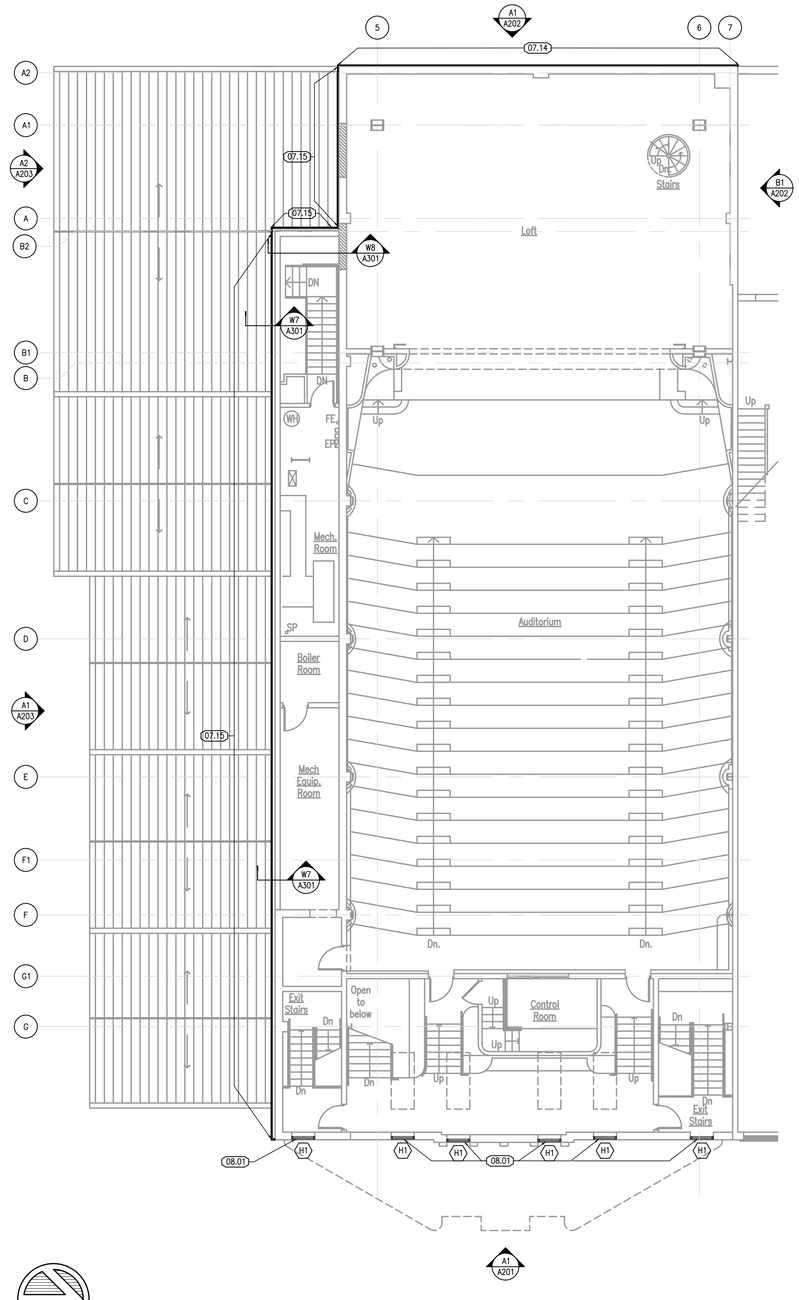
EXTERIOR ELEVATIONS DEMOLITION

Project number: 19058
Date: 09-20-2019
PIC OEG
PM CCH

D204





A2 FIRST FLOOR PLAN

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

A1 2ND FLOOR PLAN

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

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL: REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
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02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING.
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05 ⅝" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT, STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

No.	Description	Date
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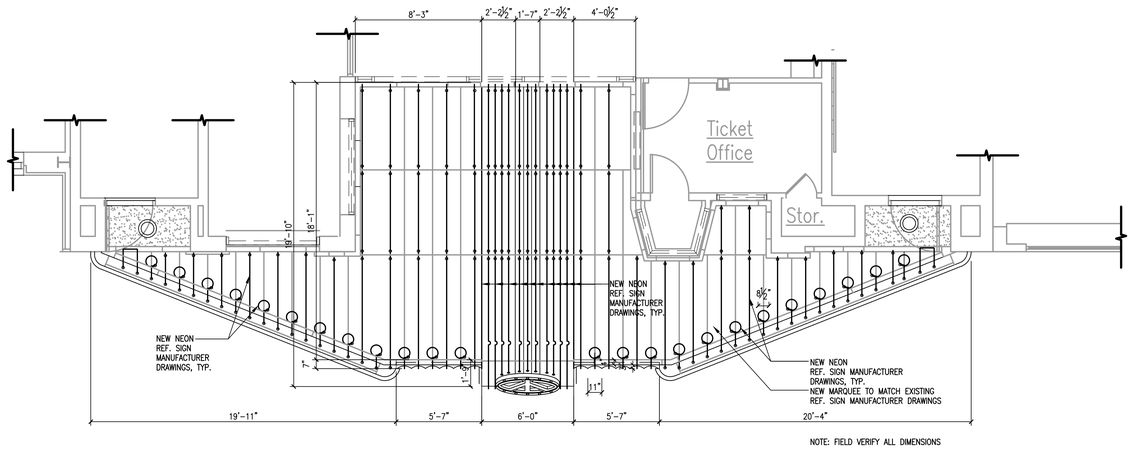
1ST & 2ND FLOOR PLAN NEW WORK

Project number: 19058
Date: 09-20-2019
PIC OEG
PM

A101



NOTE: FIELD VERIFY ALL DIMENSIONS

A1 ENLARGED REFLECTED CEILING PLAN - MARQUEE

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

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING W. END DAMS

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05 5/8" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT. STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA
JOSEPH E. GIBSON
AR 0017764
9/20/19
REGISTERED ARCHITECT

No.	Description	Date
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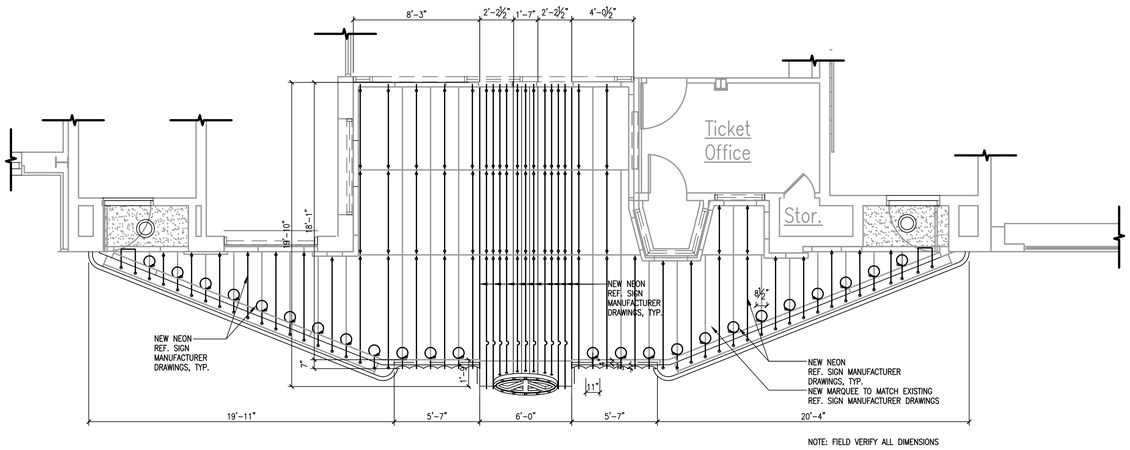
MARQUEE
REFLECTED CEILING AND ROOF PLAN

Project number: 19058
Date: 09-20-2019
PIC OEG
PM

A102



NOTE: FIELD VERIFY ALL DIMENSIONS

A1 ENLARGED REFLECTED CEILING PLAN - MARQUEE

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

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05 5/8" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT. STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG ARCHITECTS
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455 Harrison Ave., Suite. B
Panama City, Florida 32401
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CONSTRUCTION DOCUMENTS

Exterior Renovations
Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA
JOHN E. GIPSON
AR 0017764
9/20/19
REGISTERED ARCHITECT

No.	Description	Date
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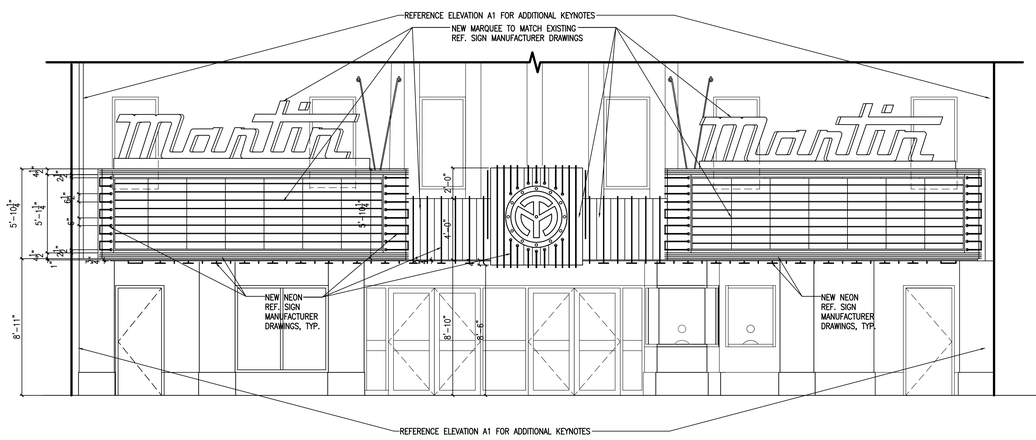
MARQUEE
REFLECTED CEILING AND ROOF PLAN

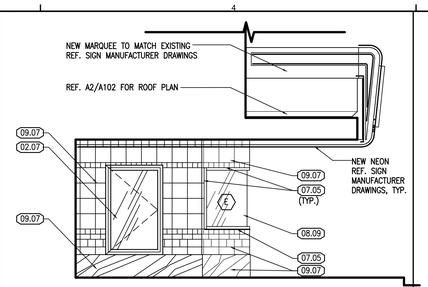
Project number: 19058
Date: 09-20-2019
PIC OEG
PM

A102



B1 EAST ELEVATION - MARTIN THEATRE
SCALE: 1/4"=1'-0"

GENERAL NOTES:
1) FIELD VERIFY ALL MARQUEE DIMENSIONS
2) REF. A1/ A102 FOR REFLECTED CEILING PLAN
3) REF A2/ A102 FOR ROOF PLAN



B3 N. ELEV. - ENTRY
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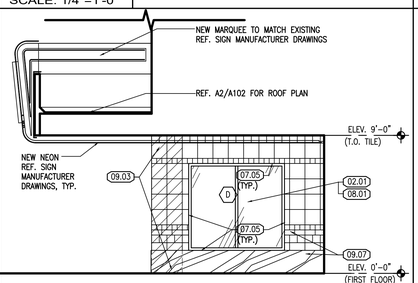

B2 S. ELEV. - ENTRY
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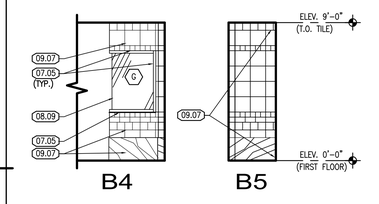

B4 - B5 TYP. TILE - ENTRY
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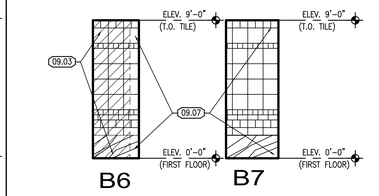
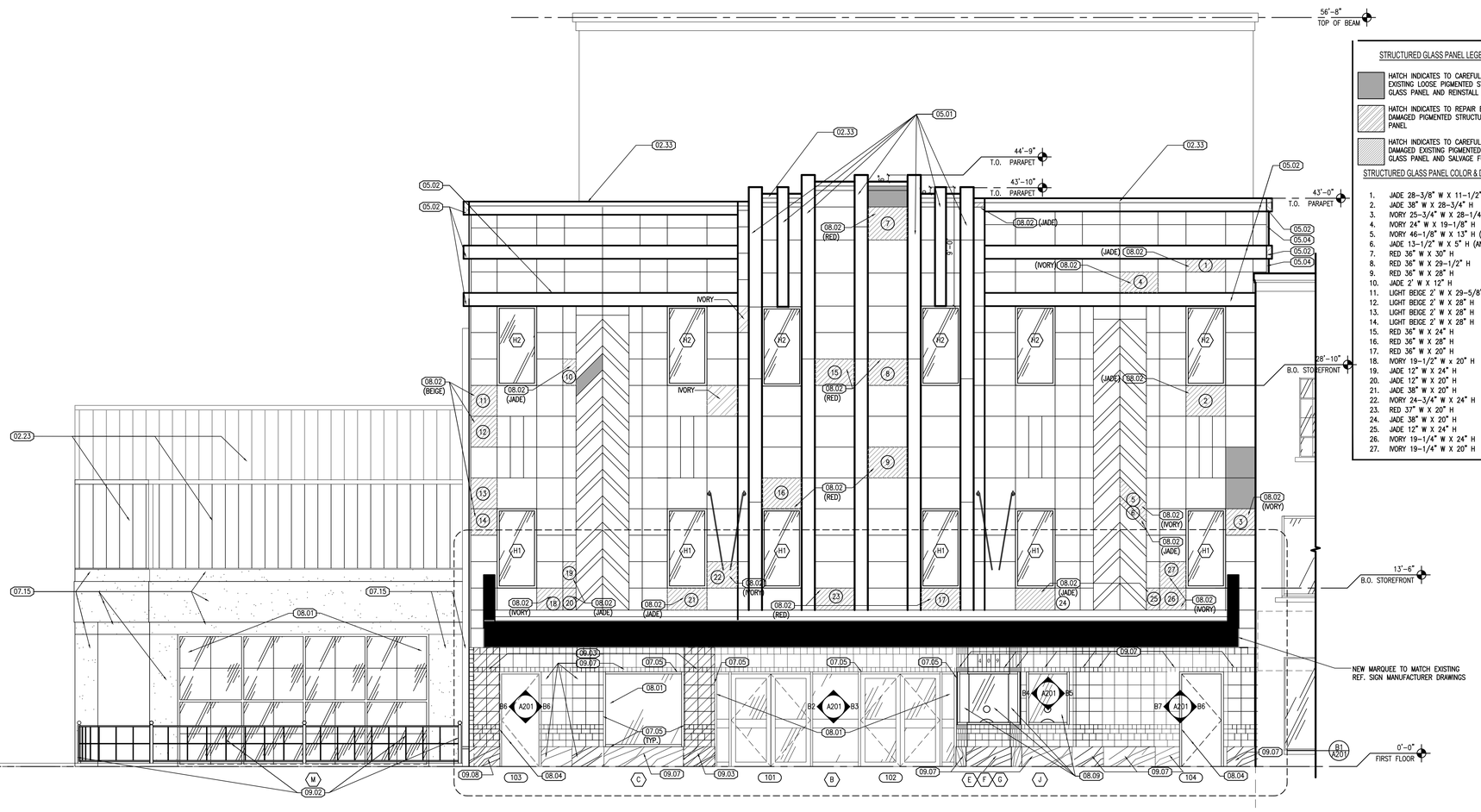


B6 - B7 TYP. TILE - ENTRY
SCALE: 1/4"=1'-0"



STRUCTURED GLASS PANEL LEGEND

HATCH INDICATES TO CAREFULLY REMOVE EXISTING LOOSE PIGMENTED STRUCTURAL GLASS PANEL AND REINSTALL

HATCH INDICATES TO REPAIR EXISTING DAMAGED PIGMENTED STRUCTURAL GLASS PANEL

HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE

STRUCTURED GLASS PANEL COLOR & DIMENSIONS

1. JADE 28-3/8" W X 11-1/2" H
2. JADE 38" W X 28-3/4" H
3. IVORY 25-3/4" W X 28-1/4" H
4. IVORY 24" W X 19-1/8" H
5. IVORY 46-1/8" W X 13" H (ANGLED)
6. JADE 13-1/2" W X 5" H (ANGLED)
7. RED 36" W X 30" H
8. RED 36" W X 29-1/2" H
9. RED 36" W X 28" H
10. JADE 2' W X 12" H
11. LIGHT BEIGE 2' W X 29-5/8" H
12. LIGHT BEIGE 2' W X 28" H
13. LIGHT BEIGE 2' W X 28" H
14. LIGHT BEIGE 2' W X 28" H
15. RED 36" W X 24" H
16. RED 36" W X 28" H
17. RED 36" W X 20" H
18. IVORY 19-1/2" W x 20" H
19. JADE 12" W X 24" H
20. JADE 12" W X 20" H
21. JADE 38" W X 20" H
22. IVORY 24-3/4" W X 24" H
23. RED 37" W X 20" H
24. JADE 38" W X 20" H
25. JADE 12" W X 24" H
26. IVORY 19-1/4" W X 24" H
27. IVORY 19-1/4" W X 20" H

A1 EAST ELEVATION - MARTIN THEATRE
SCALE: 1/4"=1'-0"

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE.
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05 5/8" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT, STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations
Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA
JOHN E. GIPSON
AR 0017764
9/20/19
REGISTERED ARCHITECT

No.	Description	Date
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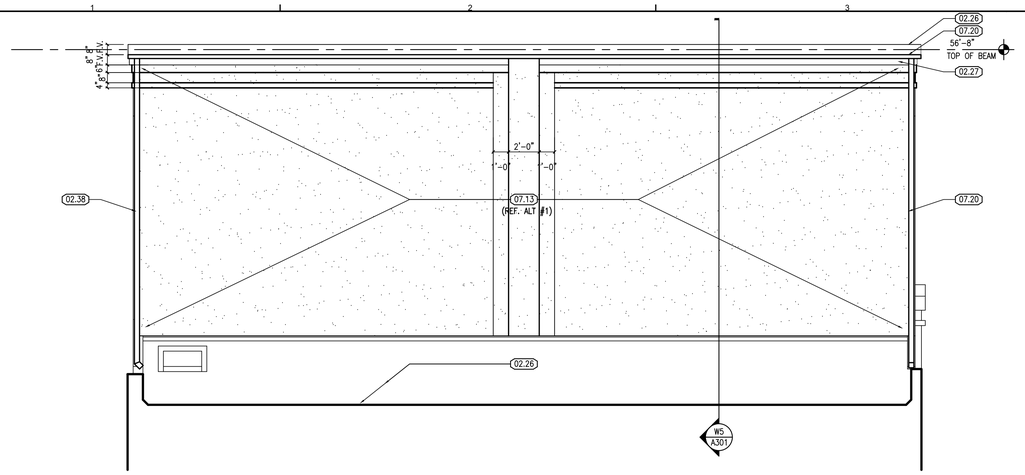
EXTERIOR ELEVATIONS NEW WORK

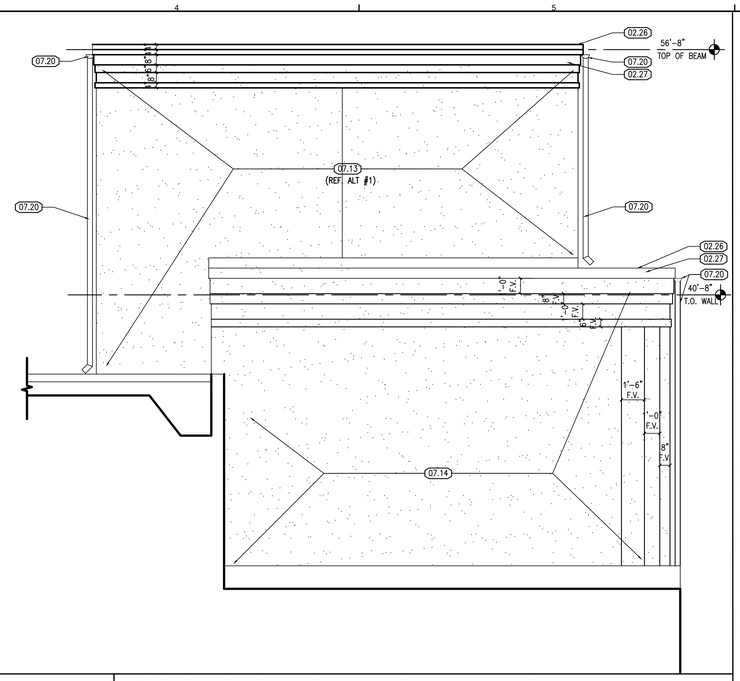
Project number: 19058
Date: 09-20-2019
PIC OEG
PM

A201



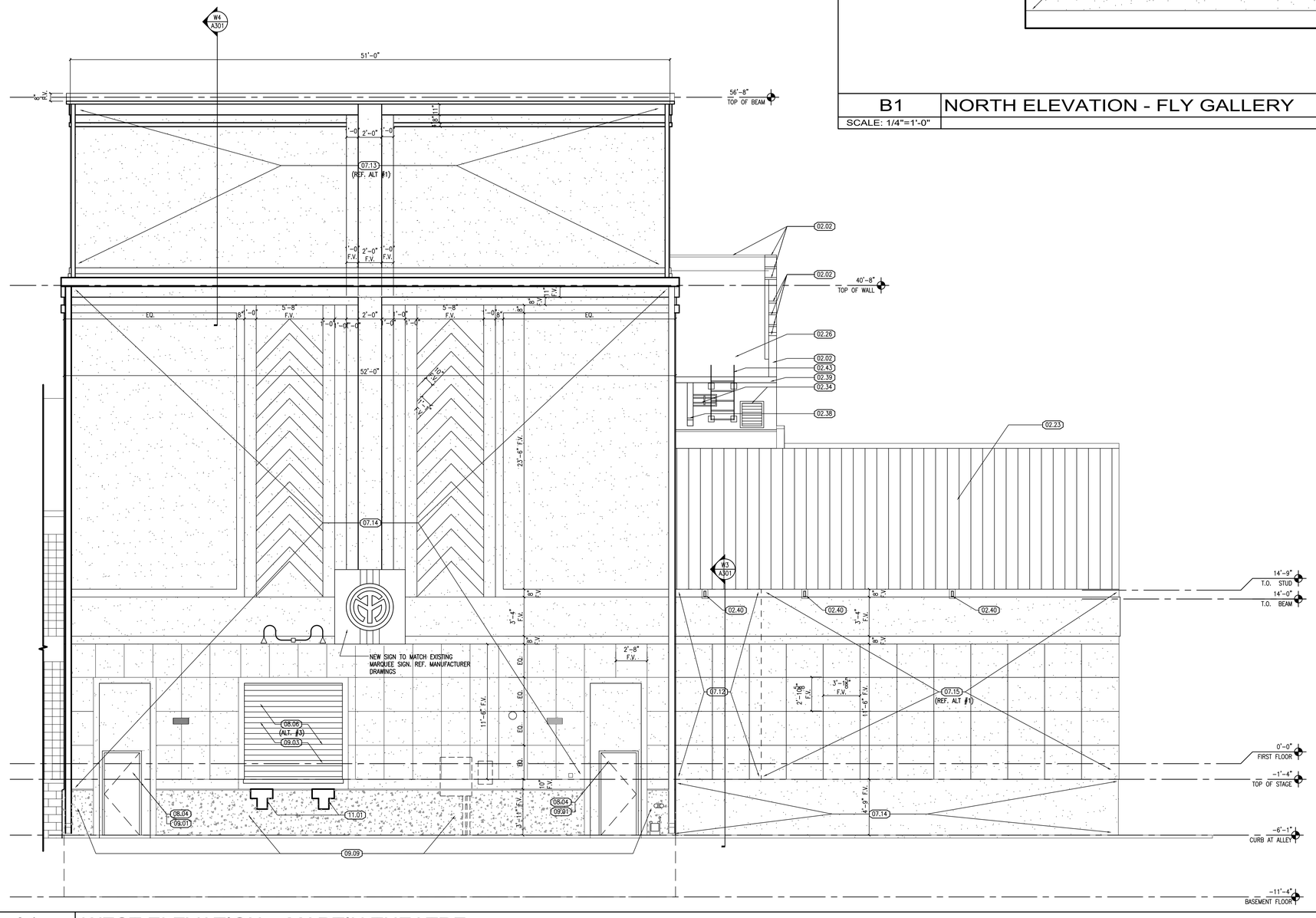
B2 | EAST ELEVATION - FLY GALLERY

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



B1 | NORTH ELEVATION - FLY GALLERY

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



A1 | WEST ELEVATION - MARTIN THEATRE

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

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE.
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL.
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05 5/8" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT, STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG
ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA
OWEN E. GIPSON
AR 0017764
3/20/19
REGISTERED ARCHITECT

No.	Description	Date
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-	-	-
-	-	-
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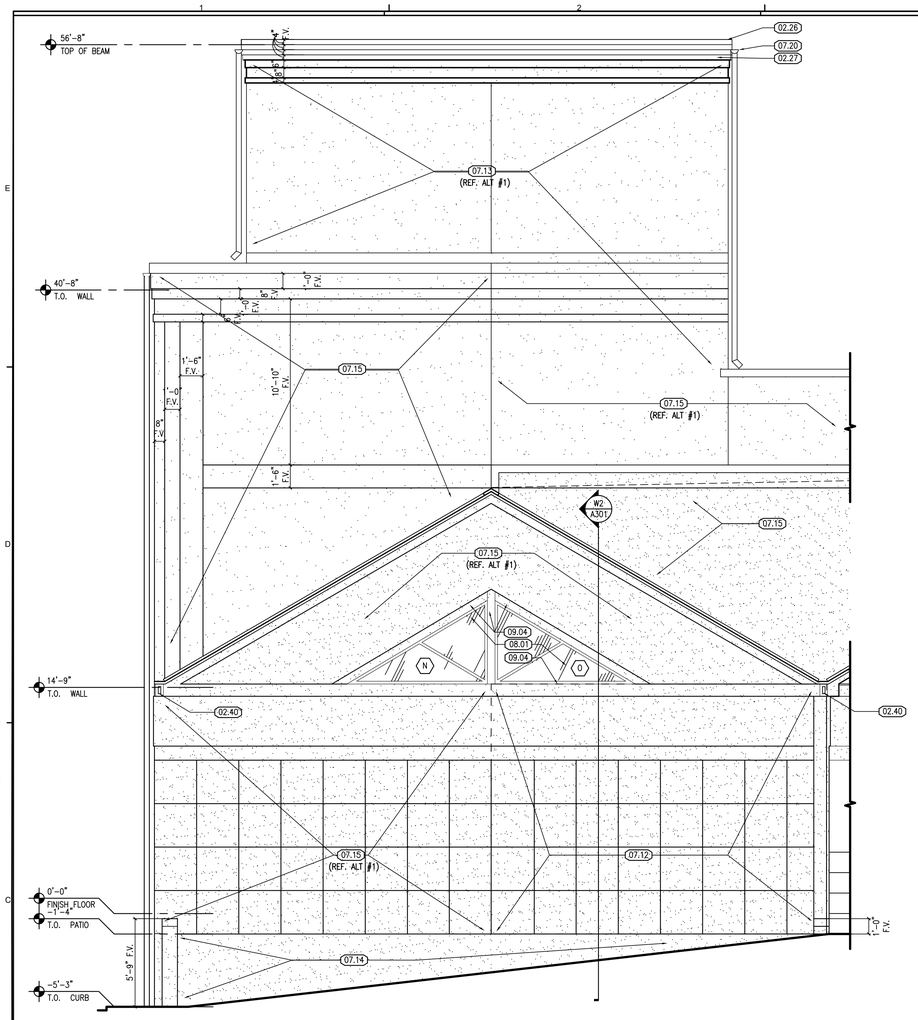
-	-	-
-	-	-
-	-	-
-	-	-

EXTERIOR ELEVATIONS NEW WORK

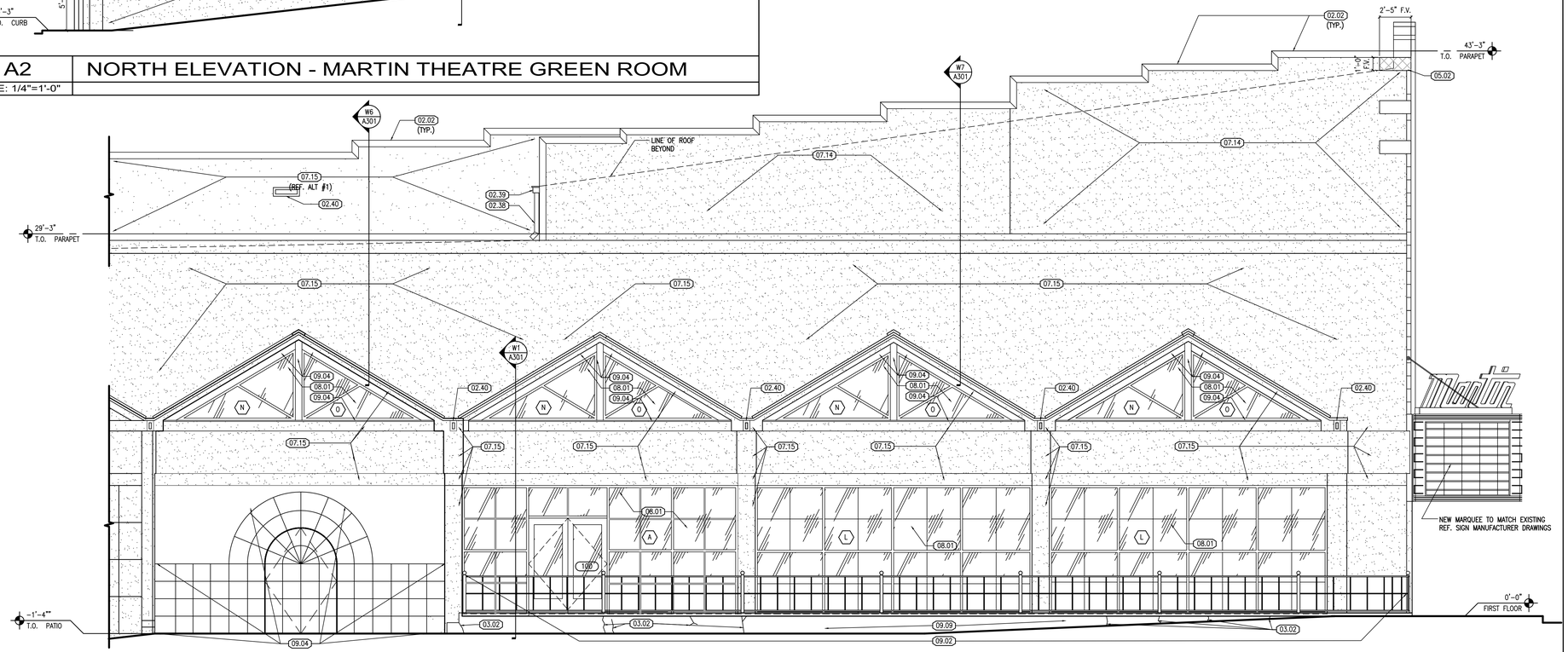
Project number: 19058
Date: 09-20-2019
PIC OEG
PM

A202



A2 NORTH ELEVATION - MARTIN THEATRE GREEN ROOM

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



A1 NORTH ELEVATION - MARTIN THEATRE GREEN ROOM

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

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL.
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL.
09.05 5/8" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT, STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG
ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

No.	Description	Date
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-	-	-
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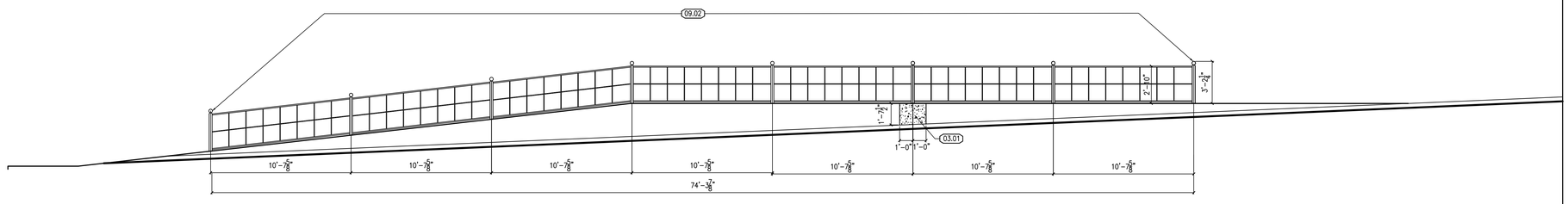
EXTERIOR ELEVATIONS NEW WORK

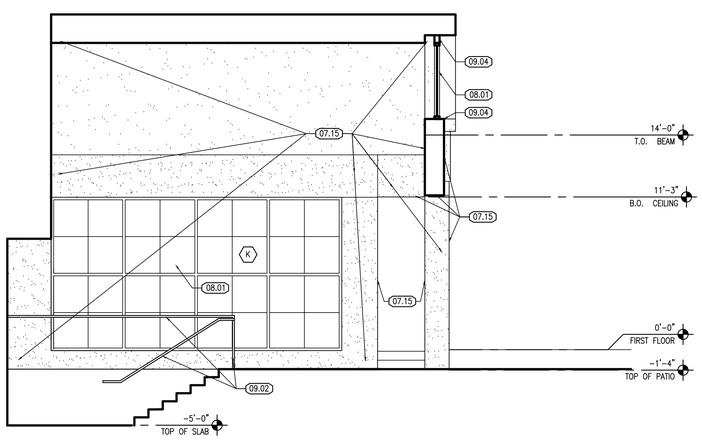
Project number: 19058
Date: 09-20-2019
PIC OEG
PM

A203



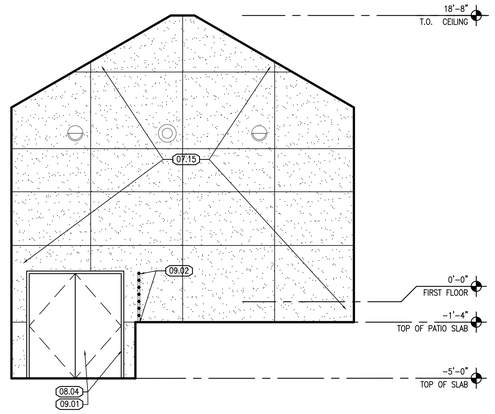
A1 NORTH ELEVATION - DECORATIVE RAILING

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



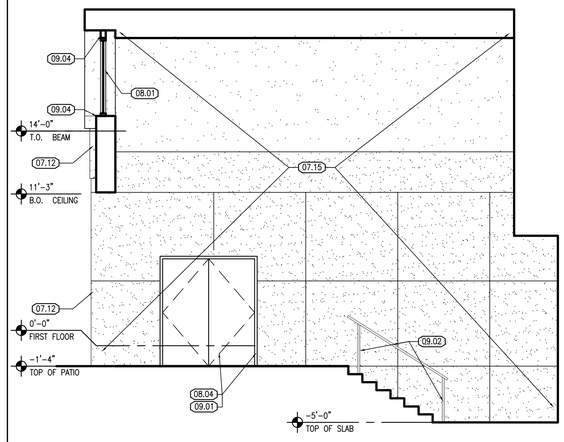
B1 EAST PATIO ELEVATION

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



B2 NORTH PATIO ELEVATION

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



B3 WEST PATIO ELEVATION

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

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05 ⅝" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT, STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG
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Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

No.	Description	Date
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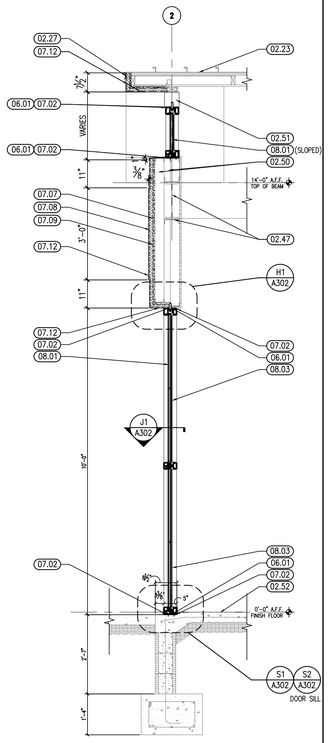
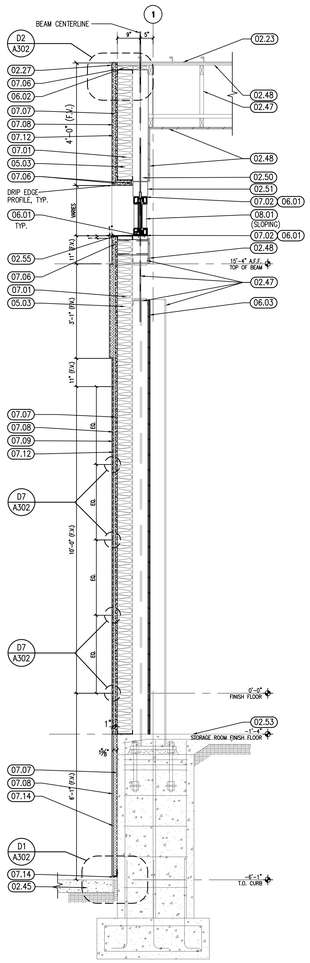
EXTERIOR ELEVATIONS NEW WORK

Project number: 19058
Date: 09-20-2019
PIC OEG
PM

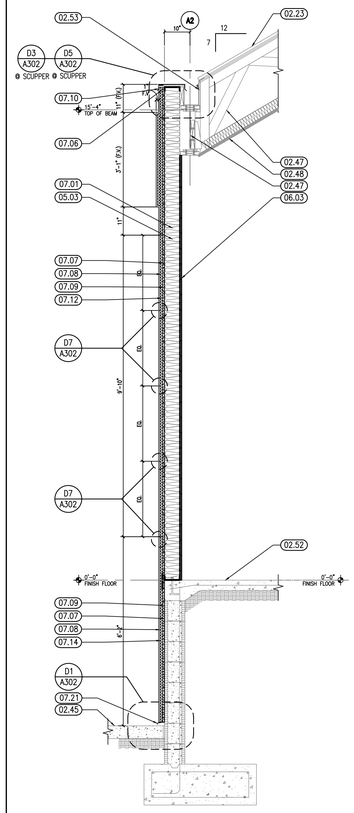
A204



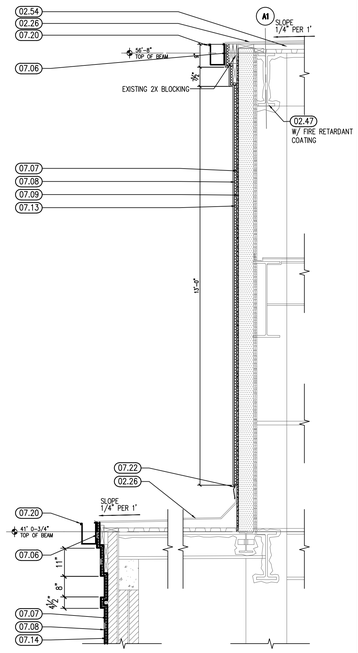
W1	WALL SECTION
SCALE: 1/2"=1'-0"	4th AVENUE STOREFRONT



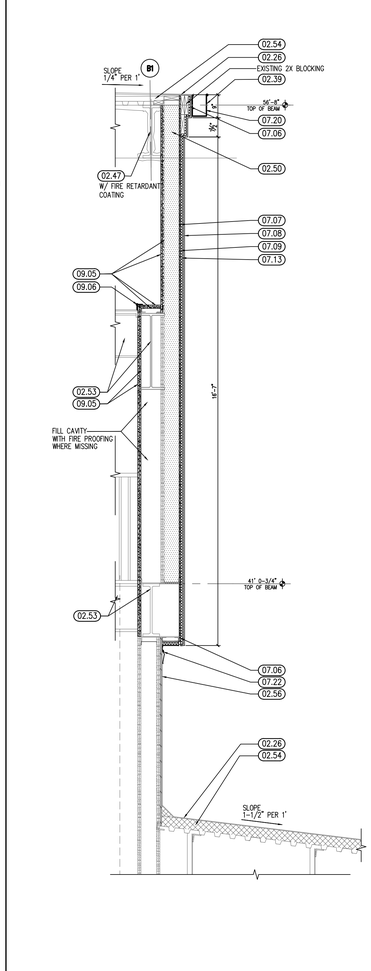
W2	WALL SECTION
SCALE: 1/2"=1'-0"	4th AVENUE



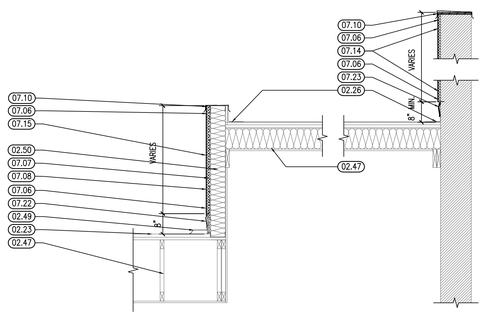
W3	WALL SECTION
SCALE: 1/2"=1'-0"	GRACE AVENUE



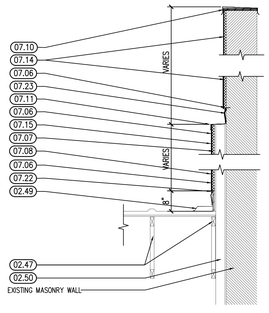
W4	WALL SECTION
SCALE: 1/2"=1'-0"	GRACE AVENUE



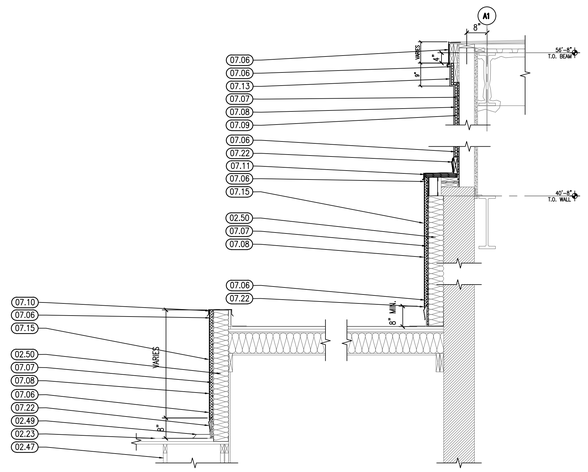
W5	WALL SECTION
SCALE: 1/2"=1'-0"	



W6	WALL SECTION
SCALE: 1/2"=1'-0"	4th AVENUE STOREFRONT



W7	WALL SECTION
SCALE: 1/2"=1'-0"	4th AVENUE



W8	WALL SECTION
SCALE: 1/2"=1'-0"	4th AVENUE

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR.
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05 5/8" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT, STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG
ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA
OWEN E. GIBSON
REGISTERED ARCHITECT
AR 0017764
3/20/19

No.	Description	Date
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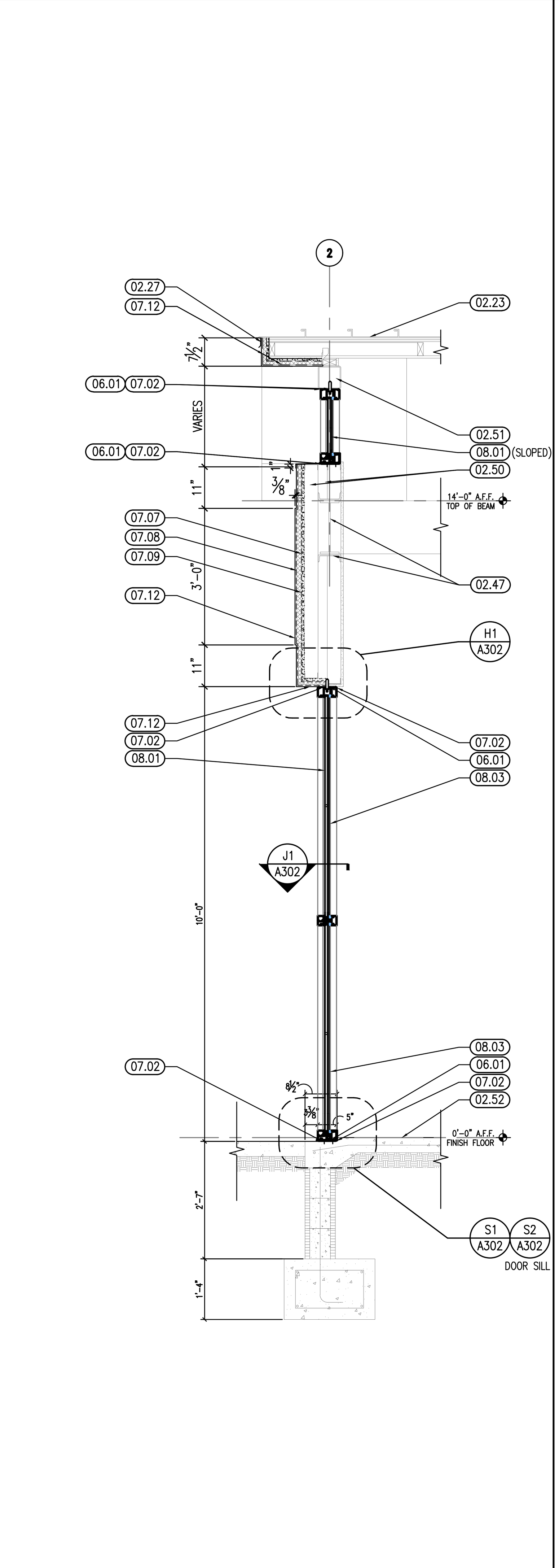
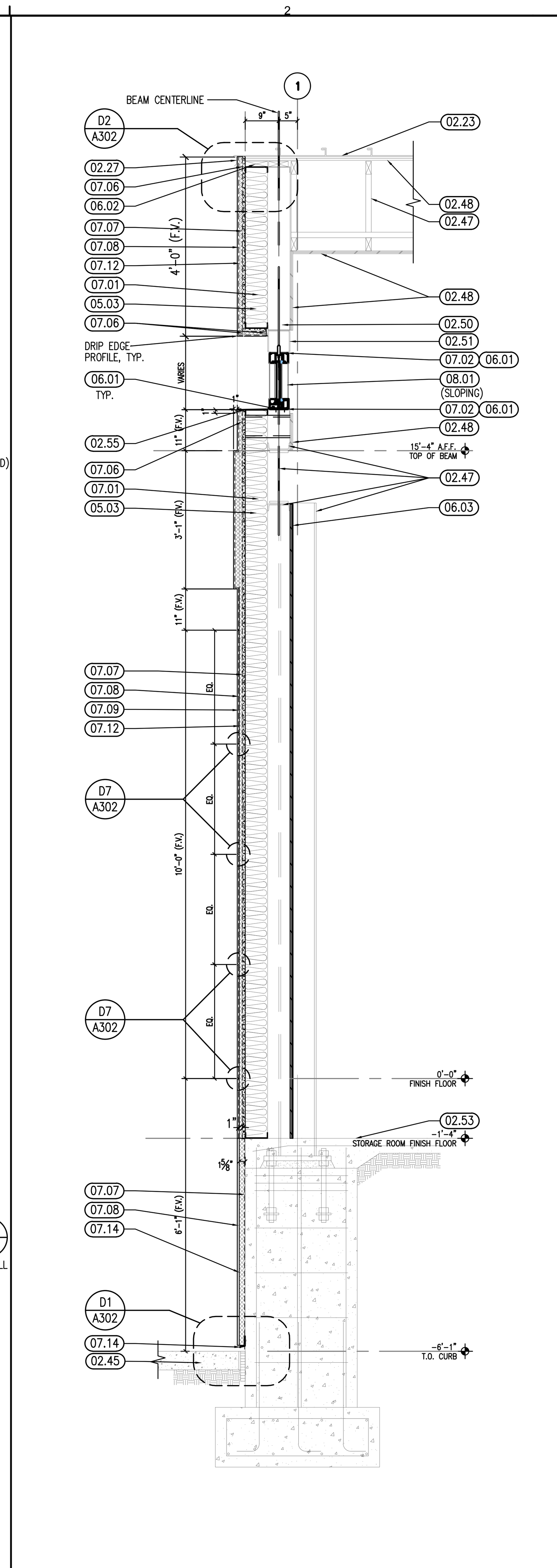
WALL SECTIONS

Project number: 19058
Date: 09-20-2019
PIC OEG
PM

A301



W1 WALL SECTION
SCALE: 1/2"=1'-0" 4th AVENUE STOREFRONT



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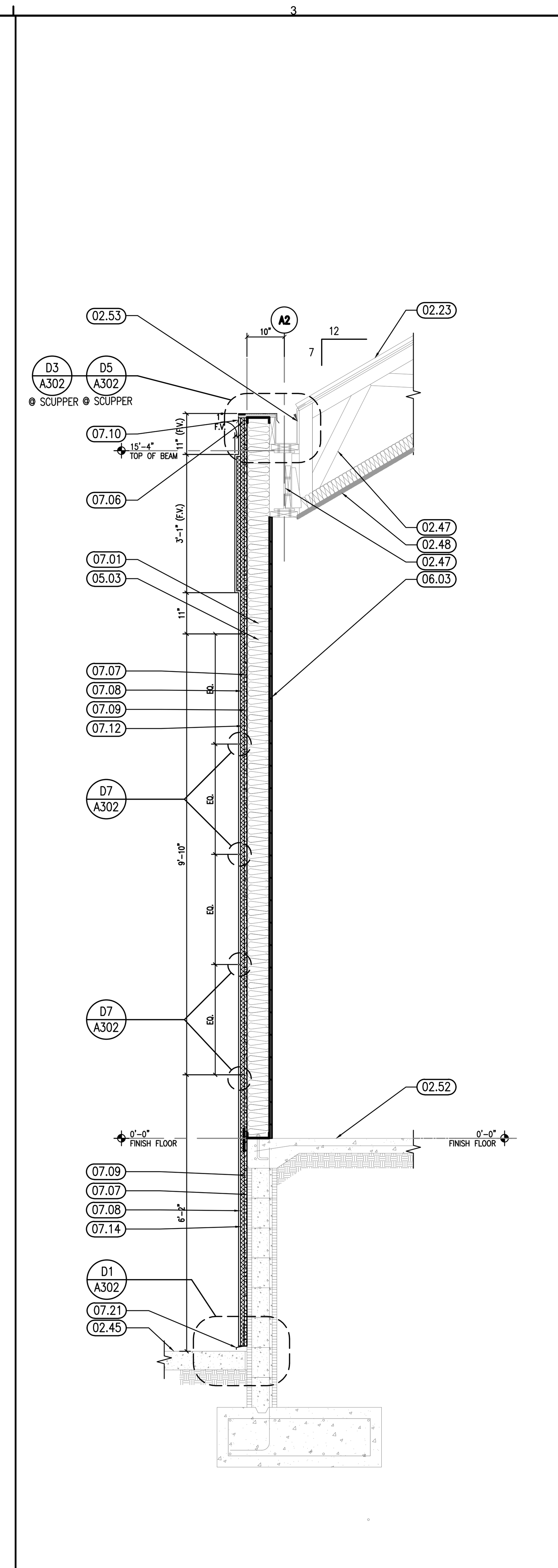

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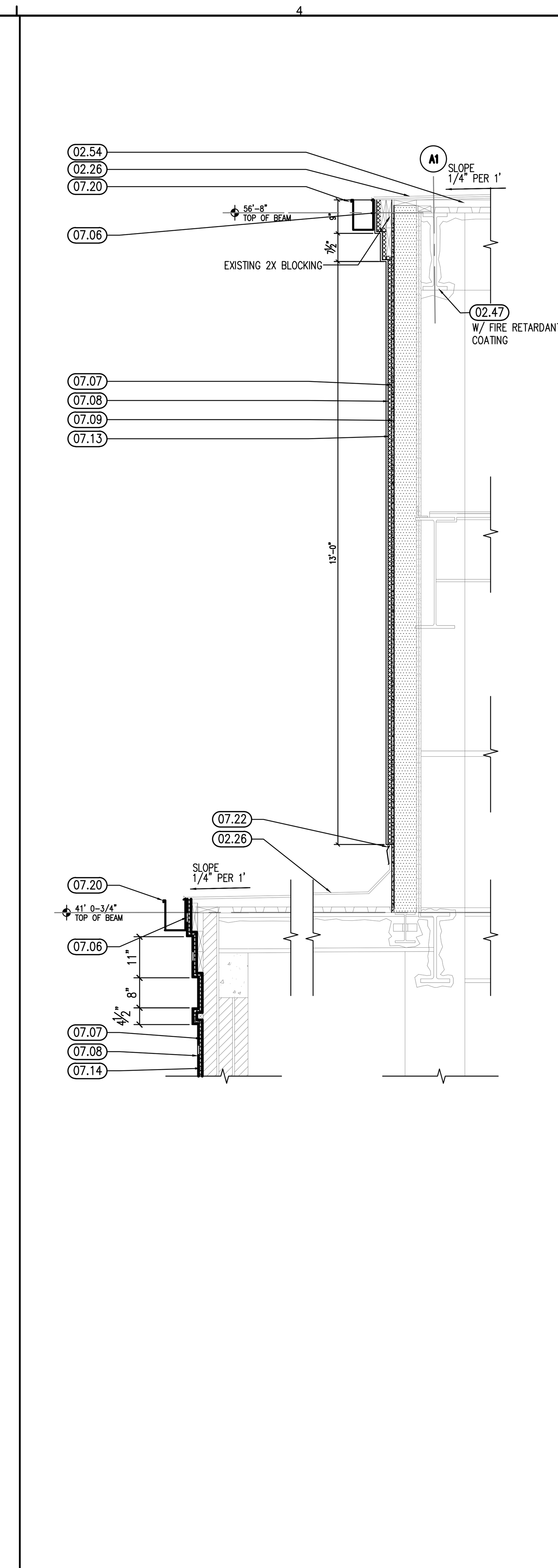

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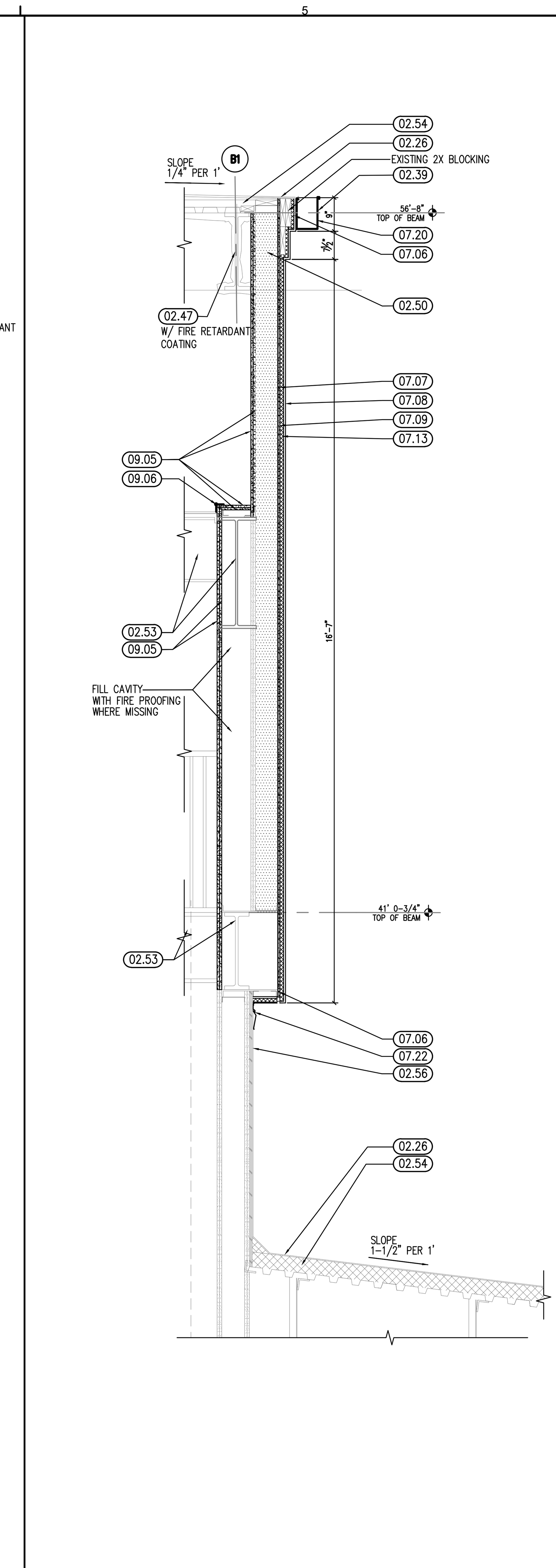

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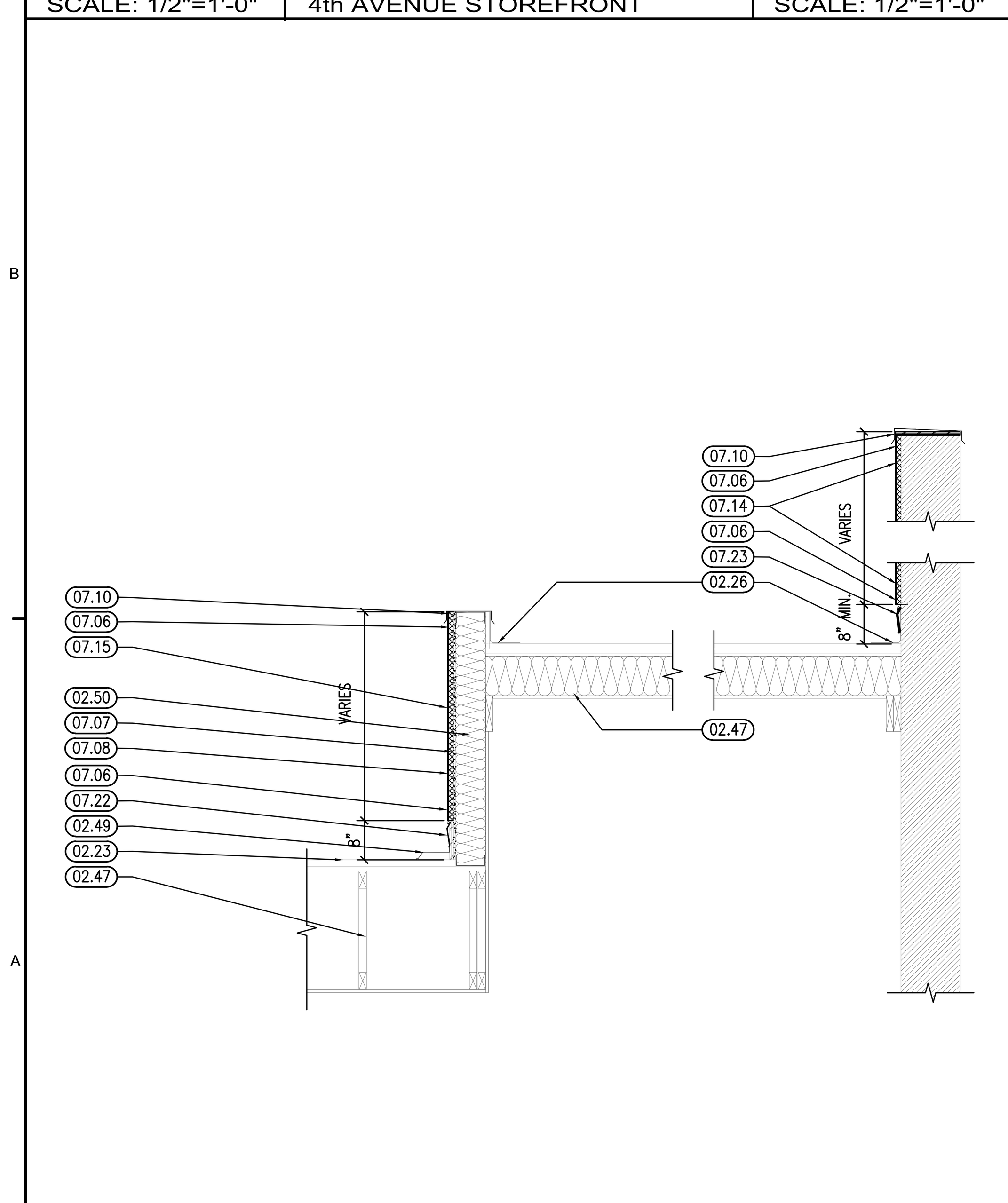
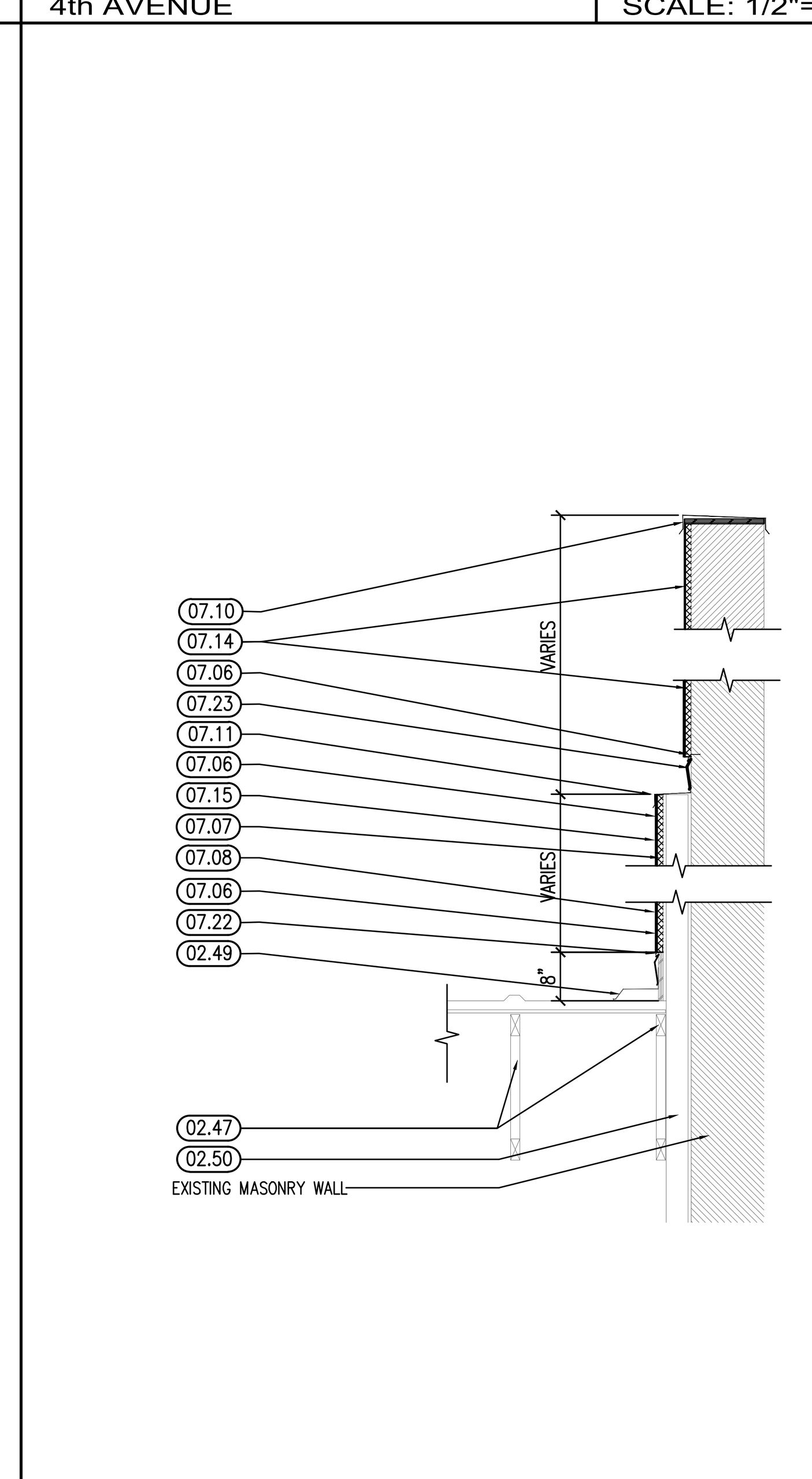


W6 WALL SECTION
SCALE: 1/2"=1'-0" 4th AVENUE STOREFRONT



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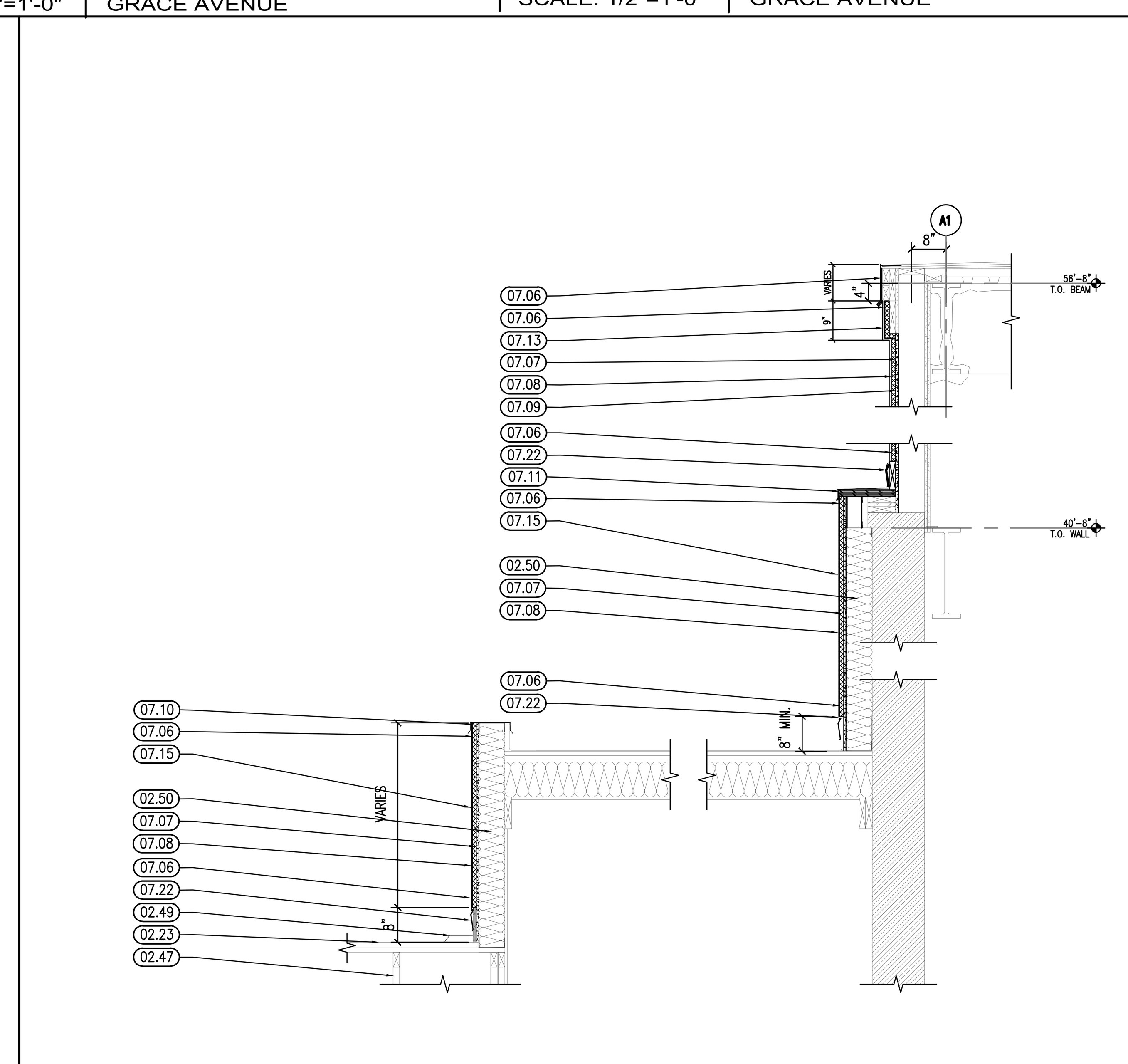
SCALE: 1/2"=1'-0" 4th AVENUE



W8 WALL SECTION
SCALE: 1/2"=1'-0" 4th AVENUE

##.##

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING W. END DAMS

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05 5/8" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT, STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG
ARCHITECTS

DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations
Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

STATE OF FLORIDA REGISTERED ARCHITECT
E.
AR 0017764
9/20/19

No.	Description	Date
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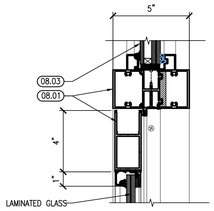
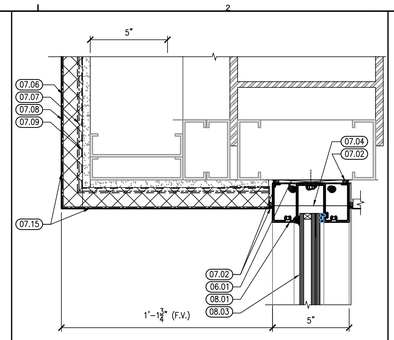
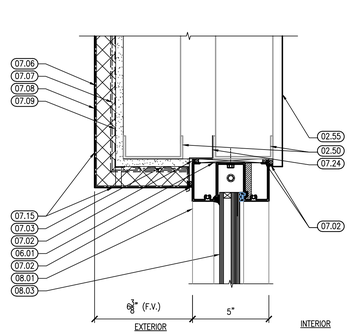
WALL SECTIONS

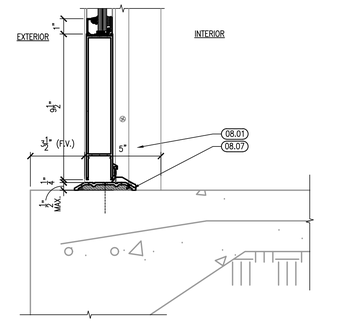
Project number: 19058
Date: 09-20-2019
PIC OEG
PM

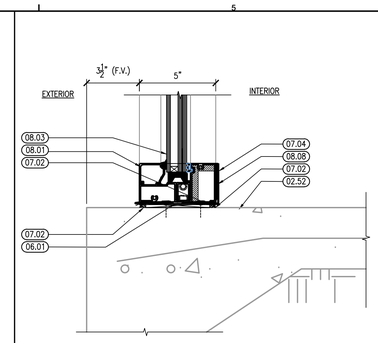
A301

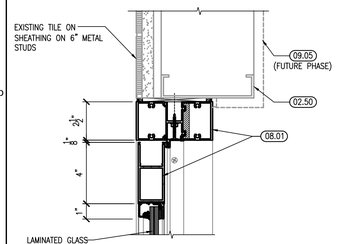


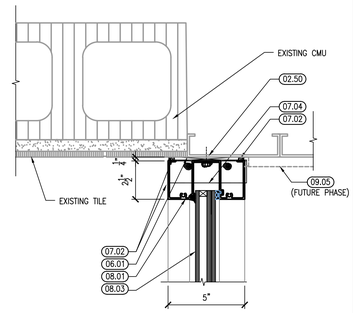


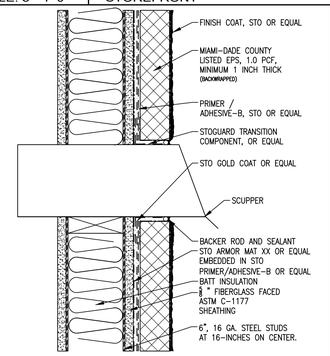


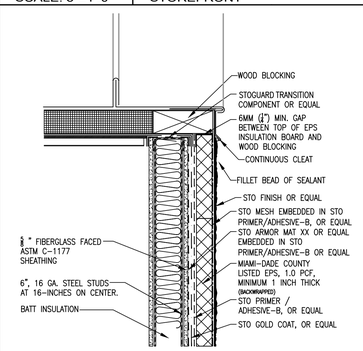


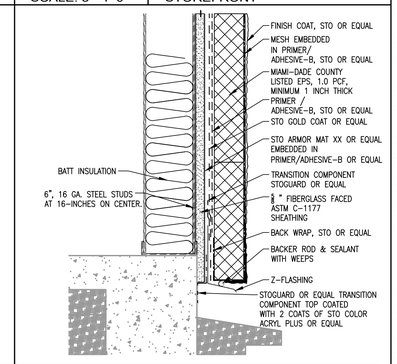


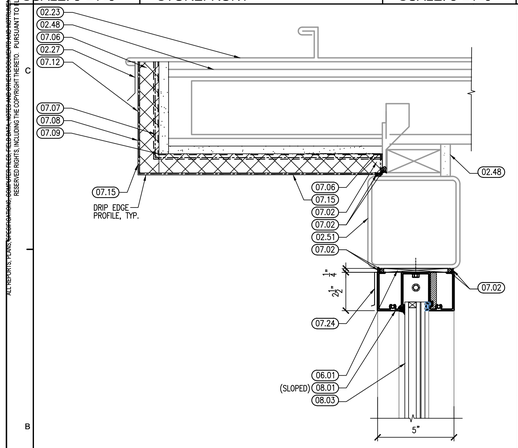


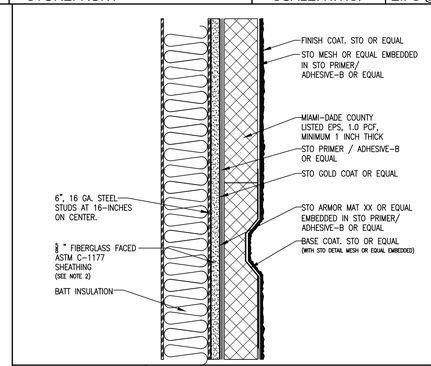


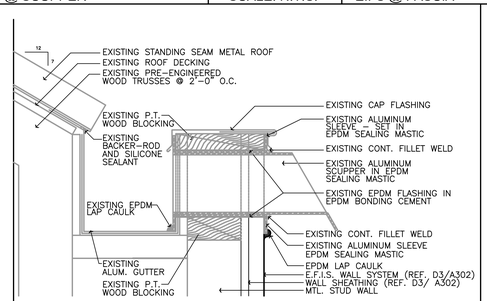


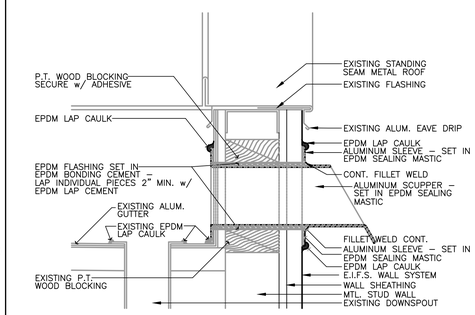


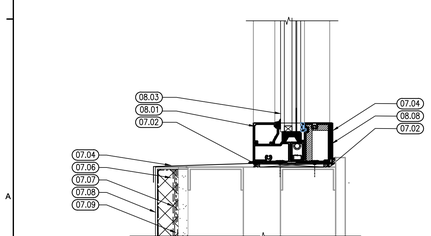


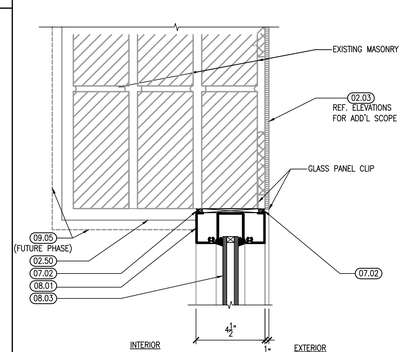


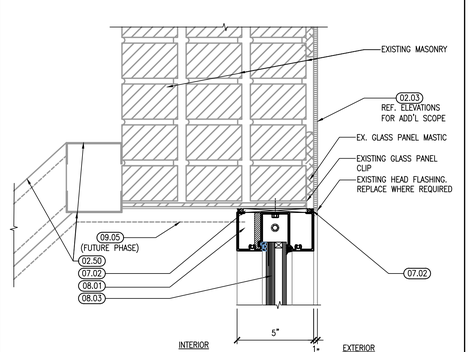


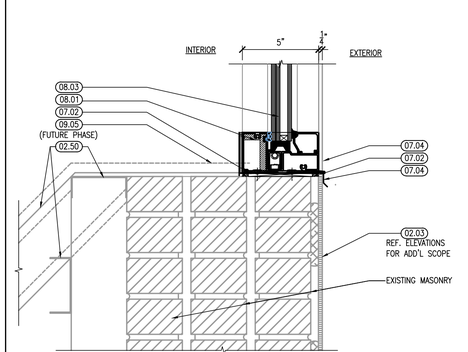












H3 HEAD DETAIL
SCALE: 3"=1'-0" STOREFRONT

J1 JAMB DETAIL
SCALE: 3"=1'-0" STOREFRONT

H1 HEAD DETAIL
SCALE: 3"=1'-0" STOREFRONT

S2 SILL DETAIL
SCALE: 3"=1'-0" STOREFRONT

S1 SILL DETAIL
SCALE: 3"=1'-0" STOREFRONT

H4 HEAD DETAIL
SCALE: 3"=1'-0" STOREFRONT

J3 JAMB DETAIL
SCALE: 3"=1'-0" STOREFRONT

D3 DETAIL
SCALE: N.T.S. EIFS @ SCUPPER

D2 DETAIL
SCALE: N.T.S. EIFS @ FASCIA

D1 DETAIL
SCALE: N.T.S. EIFS FLASHING

D8 DETAIL
SCALE: 3"=1'-0" EIFS @ REVEAL

D7 DETAIL
SCALE: 3"=1'-0" EIFS @ REVEAL

D5 DETAIL
SCALE: 3"=1'-0" EIFS @SCUPPER

D4 DETAIL
SCALE: 3"=1'-0" EIFS @SCUPPER

D9 DETAIL
SCALE: 3"=1'-0" EIFS @ REVEAL

J2 JAMB DETAIL
SCALE: 3"=1'-0" THEATRE UPPER STOREFRONT

H2 HEAD DETAIL
SCALE: 3"=1'-0" THEATRE UPPER STOREFRONT

S3 SILL DETAIL
SCALE: 3"=1'-0" THEATRE UPPER STOREFRONT

##.##

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION

02.01	EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02	REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03	EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04	REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05	REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06	EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07	EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08	REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09	EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10	REMOVE EXISTING SIGN.
02.11	CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12	REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13	REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14	REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15	HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16	HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17	REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18	REMOVE EXISTING DOCK BUMPERS
02.19	CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20	CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21	EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22	REMOVE EXISTING LOUVER
02.23	EXISTING STANDING SEAM METAL ROOF.
02.24	REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25	REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26	EXISTING SINGLE-PLY ROOF
02.27	EXISTING PREFINISHED ALUMINUM FASCIA
02.28	CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29	CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30	EXISTING LIGHT FIXTURE TO REMAIN.
02.31	REMOVE EXISTING LIGHT FIXTURE
02.32	EXISTING VENT TO REMAIN
02.33	EXISTING PARAPET COPING, TYP.
02.34	CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35	REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36	EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37	EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38	EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39	EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40	EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41	REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42	REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43	EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44	EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45	EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46	SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47	EXISTING STRUCTURE
02.48	EXISTING PLYWOOD
02.49	EXISTING FLASHING
02.50	EXISTING STUDS
02.51	EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52	EXISTING SLAB
02.53	EXISTING ALUMINUM GUTTER
02.54	EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55	EXISTING GYP. BD.

03 CONCRETE

03.01	CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02	PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:

05.01	REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02	REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03	6" METAL STUDS (16 GA.) @ 16" O.C.
05.04	PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY

06.01	SHIM
06.02	2X PRESSURE TREATED WOOD BLOCKING
06.03	3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:

07.01	6-1/4" BATT INSULATION
07.02	SEALANT / SEALANT WITH BACKER ROD
07.03	LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04	ALUMINUM SILL FLASHING W/ END DAMS
07.05	PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06	EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07	CONTINUOUS ADHESIVE BASE COAT
07.08	CONTINUOUS WATERPROOFING FINISH COAT
07.09	FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10	CAP FLASHING
07.11	FLASHING / COUNTERFLASHING
07.12	EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13	EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14	EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15	EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16	NOT USED
07.17	NOT USED
07.18	NOT USED
07.19	NOT USED
07.20	REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21	Z FLASHING
07.22	STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23	SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24	ALUMINUM HEAD FLASHING

08 OPENINGS:

08.01	ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02	HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03	1" INSULATED, TEMPERED, LOW-E GLAZING
08.04	INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05	NOT USED
08.06	OVERHEAD COILING DOOR
08.07	THRESHOLD, SET IN SEALANT
08.08	ALUMINUM STOREFRONT SUBSILL
08.09	ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES

09.01	PAINT EXISTING CONCRETE
09.02	PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03	REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04	PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05	5/8" TYPE X GYPSUM BD.
09.06	CORNER BEAD
09.07	REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT, STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT

11.01	DOCK BUMPER (REF D1/A303)

23 HVAC

23.01	IMPACT RESISTANT LOUVER

DAG
ARCHITECTS

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455 Harrison Ave., Suite. B
Panama City, Florida 32401
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CONSTRUCTION
DOCUMENTS

Exterior Renovations
Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

OWEN E. GIPSON
AR 0017764
9/20/19

No.	Description	Date
-	-	-
-	-	-
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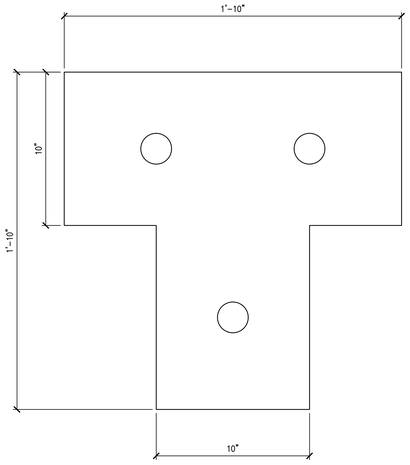
-	-	-

DETAILS

Project number: 19058
Date: 09-20-2019
PIC OEG
PM

A302



D1 DETAIL
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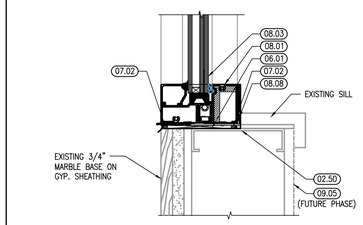

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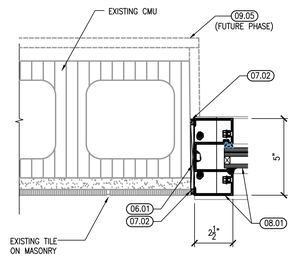

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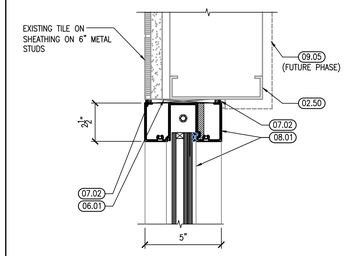
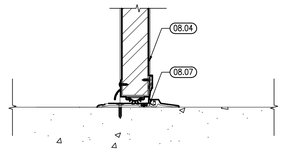


H1 HEAD DETAIL
SCALE: 3"=1'-0" | STOREFRONT



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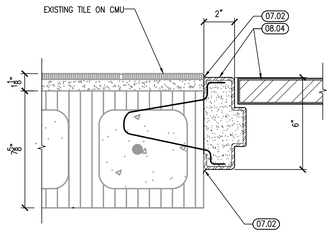

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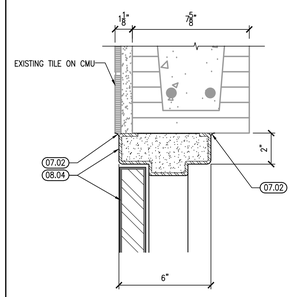
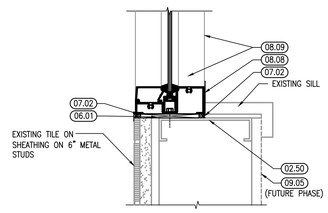
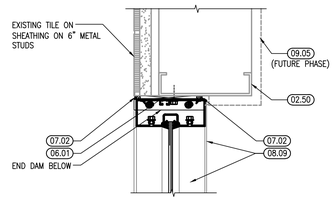


H2 HEAD DETAIL
SCALE: 3"=1'-0" | HOLLOW METAL



S5 SILL DETAIL
SCALE: 3"=1'-0" | STOREFRONT



J5 JAMB DETAIL
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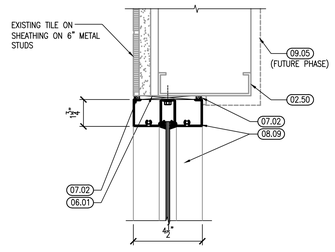

H5 HEAD DETAIL
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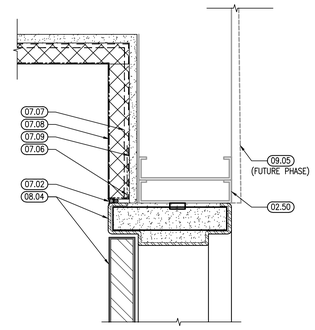

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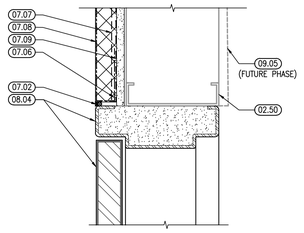
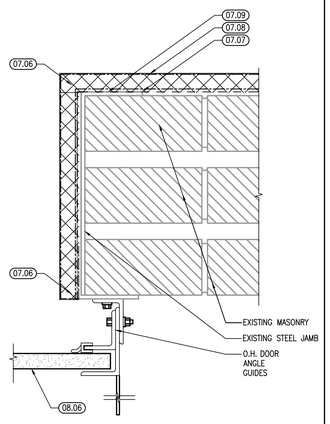
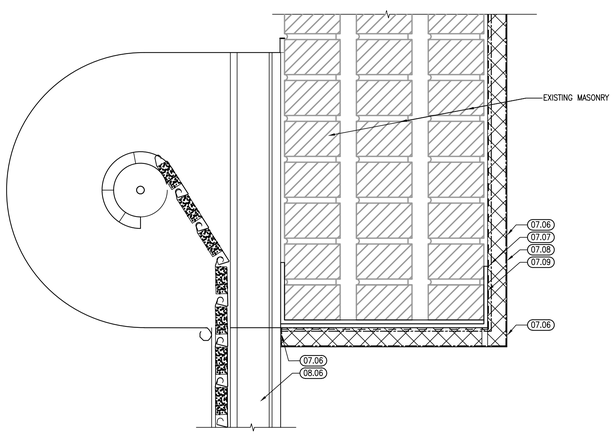
SCALE: 3"=1'-0" | HOLLOW METAL



H3 HEAD DETAIL
SCALE: 3"=1'-0" | HOLLOW METAL



J4 JAMB DETAIL
SCALE: 3"=1'-0" | HOLLOW METAL



H4 HEAD DETAIL
SCALE: 3"=1'-0" | HOLLOW METAL

02 EXISTING CONDITIONS (TO REMAIN, U.N.O.) AND DEMOLITION
02.01 EXISTING PIGMENTED STRUCTURAL GLASS PANEL. REPAIR EXISTING PIGMENTED STRUCTURAL GLASS PANEL IN PLACE
02.02 REMOVE EXISTING STOREFRONT AND PREP FOR NEW STOREFRONT
02.03 EXISTING PIGMENTED STRUCTURAL GLASS PANELS, TYP. CLEAN ALL PANELS
02.04 REMOVE EXISTING DECORATIVE HORIZONTAL CAP FLASHING
02.05 REMOVE EXISTING DECORATIVE VERTICAL CAP FLASHING
02.06 EXISTING DECORATIVE RAILING. RE-WELD LOCATIONS WHERE METAL IS DAMAGED & GRIND SMOOTH. PREP FOR NEW PAINT.
02.07 EXISTING DISPLAY CASE. PROTECT DURING CONSTRUCTION.
02.08 REMOVE EXISTING TILES AND MARBLE PANEL WITHIN HATCHED AREA AND PREP SUBSTRATE FOR REINSTALLATION OF EXISTING TILE AND MARBLE PANEL. IF REMOVAL OF TILE WILL RESULT IN DAMAGED TILE PROVIDE EPOXY INJECTION BEHIND TILE IN LIEU OF REMOVING
02.09 EXISTING MARBLE PANELS. REMOVE GROUT AT WALL CORNERS. CLEAN MARBLE AND REMAINING GROUT JOINTS AND PREP FOR REPAIR OF GROUT JOINTS.
02.10 REMOVE EXISTING SIGN.
02.11 CAREFULLY REMOVE EXISTING MARQUEE METAL, LETTERS, AND LOGO, AND SALVAGE FOR RECONSTRUCTION OF THEATRE MARQUEE
02.12 REMOVE AND DISPOSE OF EXISTING NEON, TRANSFORMERS, AND WIRING BACK TO ELECTRICAL PANEL
02.13 REMOVE EXISTING EIFS TO FACE MASONRY / STUDS BEYOND. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT EXISTING STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF STUDS CAN BE REUSED APPLY RUST INHIBITOR TO STUDS. IF STUDS CANNOT BE REUSED, REMOVE AND REPLACE. REF. ALT. #1.
02.14 REMOVE TEMPORARY PARTITION AND PREPARE FOR NEW CONSTRUCTION
02.15 HATCH INDICATES TO CAREFULLY REMOVE LOOSE GLASS PANEL AND SALVAGE PANEL FOR REINSTALLATION. CLEAN AND PREP EXISTING MASONRY, CLEAN BACK AND SIDES OF GLASS PANELS FOR RE-INSTALLATION OF PANEL WITH NEW MASTIC
02.16 HATCH INDICATES TO CAREFULLY REMOVE DAMAGED EXISTING PIGMENTED STRUCTURAL GLASS PANEL AND SALVAGE FOR REUSE
02.17 REMOVE EXISTING OVERHEAD DOOR. PREP FRAME FOR NEW OVERHEAD DOOR
02.18 REMOVE EXISTING DOCK BUMPERS
02.19 CLEAN EXISTING EXPOSED MASONRY WITH MILD DETERGENT AND WATER TO RECEIVE NEW GLASS PANEL
02.20 CAREFULLY REMOVE ALL JOINT COMPOUND / SEALANT BETWEEN EXISTING PIGMENTED STRUCTURAL GLASS PANEL JOINTS AND PREPARE FOR NEW SEALANT.
02.21 EXISTING ELECTRICAL PANELS. PROTECT DURING CONSTRUCTION.
02.22 REMOVE EXISTING LOUVER
02.23 EXISTING STANDING SEAM METAL ROOF.
02.24 REMOVE EXISTING HOLLOW METAL DOORS AND FRAMES
02.25 REMOVE AND DISPOSE OF TREES AND LANDSCAPING
02.26 EXISTING SINGLE-PLY ROOF
02.27 EXISTING PREFINISHED ALUMINUM FASCIA
02.28 CAREFULLY REMOVE EXISTING GROUT AND / OR SEALANT AROUND EXISTING STOREFRONT. PROTECT CERAMIC TILE FROM DAMAGE
02.29 CLEAN EXISTING CERAMIC WALL WITH HEAVY DUTY TILE AND GROUT CLEANER. REMOVE GROUT AT WALL CORNERS AND PREP FOR REPAIR OF GROUT JOINTS
02.30 EXISTING LIGHT FIXTURE TO REMAIN.
02.31 REMOVE EXISTING LIGHT FIXTURE
02.32 EXISTING VENT TO REMAIN
02.33 EXISTING PARAPET COPING, TYP.
02.34 CHIP ALL EXISTING CONCRETE CRACKS TO REMOVE LOOSE CONCRETE. PREP FOR REPAIR
02.35 REMOVE PAINT FROM EXISTING METAL AND PREP FOR NEW PAINT
02.36 EXISTING FIRE DEPARTMENT CONNECTION. PROTECT DURING CONSTRUCTION.
02.37 EXISTING GAS METER. PROTECT DURING CONSTRUCTION.
02.38 EXISTING DOWNSPOUT. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.39 EXISTING GUTTER. WHERE DEMOLITION OCCURS, REMOVE AND SALVAGE FOR REINSTALLATION.
02.40 EXISTING SCUPPER. PROTECT DURING CONSTRUCTION.
02.41 REMOVE PAINT FROM FACE OF CONCRETE AND PREP FOR NEW PAINT
02.42 REMOVE EXISTING STUCCO TO FACE OF STUDS / MASONRY. AT EXISTING MASONRY BACKUP, CLEAN MASONRY AND PREPARE TO RECEIVE NEW EIFS. AT METAL STUDS, VISUALLY INSPECT CONDITION OF EXISTING METAL STUDS FOR RUST AND POTENTIAL FOR REUSE. IF TRACK AND / OR STUDS CANNOT BE REUSED, REMOVE AND REPLACE. (REF. ALTERNATE #1)
02.43 EXISTING ROOF LADDER. REMOVE LADDER AND HARDWARE, SALVAGE, AND REINSTALL AFTER COMPLETION OF EIFS INSTALLATION
02.44 EXISTING MOSAIC TILE TO REMAIN. CLEAN TILE WITH HEAVY DUTY TILE AND GROUT CLEANER AND RE-SEAL
02.45 EXISTING PAVING TO REMAIN. CLEAN PAVING AND SEAL WHERE REQUIRED
02.46 SAWCUT EXISTING CONCRETE CURB AND PREP FOR NEW CONCRETE
02.47 EXISTING STRUCTURE
02.48 EXISTING PLYWOOD
02.49 EXISTING FLASHING
02.50 EXISTING STUDS
02.51 EXISTING 6X6X1/4 TS (SLOPING) CLEAN AND PREP FOR NEW PAINT AT EXTERIOR
02.52 EXISTING SLAB
02.53 EXISTING ALUMINUM GUTTER
02.54 EXISTING ROOF INSULATION ON METAL DECK W/ FIRE RETARDANT COATING
02.55 EXISTING GYP. BD.

03 CONCRETE
03.01 CONCRETE. PATCH AND REPAIR EXISTING CONCRETE DAMAGE
03.02 PATCH CONCRETE CRACK AND PREP FOR NEW PAINT

05 METAL:
05.01 REPLACE ALL VERTICAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.02 REPLACE ALL HORIZONTAL METAL CAP FLASHING WITH NEW PREFINISHED METAL CAP FLASHING WITH CONCEALED FASTENERS
05.03 6" METAL STUDS (16 GA.) @ 16" O.C.
05.04 PROVIDE SCHLUTER 2-1/2" X 2-1/2" STAINLESS STEEL ANGLE TRIM TO MATCH EXISTING

06 ROUGH CARPENTRY
06.01 SHIM
06.02 2X PRESSURE TREATED WOOD BLOCKING
06.03 3/4" EXTERIOR GRADE PLYWOOD PAINTED BLACK

07 THERMAL & MOISTURE PROTECTION:
07.01 6-1/4" BATT INSULATION
07.02 SEALANT / SEALANT WITH BACKER ROD
07.03 LIQUID APPLIED AIR BARRIER, TURN INTO OPENINGS AT WINDOW AND DOOR LOCATIONS
07.04 ALUMINUM SILL FLASHING W/ END DAMS
07.05 PROVIDE SEALANT AND BACKER ROD AROUND STOREFRONT WHERE GROUT / SEALANT WAS REMOVED
07.06 EIFS REINFORCING MESH, BACKWRAP 4" MIN. AT ALL END CONDITIONS
07.07 CONTINUOUS ADHESIVE BASE COAT
07.08 CONTINUOUS WATERPROOFING FINISH COAT
07.09 FLUID-APPLIED WEATHER RESISTIVE BARRIER
07.10 CAP FLASHING
07.11 FLASHING / COUNTERFLASHING
07.12 EIFS SYSTEM "A" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.13 EIFS SYSTEM "B" (30' AND ABOVE) SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM ON 5 /8" FIBERGLASS FACED SHEATHING ON EXISTING 6" METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.14 EIFS SYSTEM "C" (OVER MASONRY) LARGE AND SMALL MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER MASONRY. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
07.15 EIFS SYSTEM "D" (GROUND LEVEL TO 30') LARGE MISSILE HURRICANE IMPACT RESISTANT SYSTEM OVER 5/8" FIBERGLASS FACED SHEATHING ON EXISTING METAL STUDS. COLORS TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL. (REF. ALT #1)
07.16 NOT USED
07.17 NOT USED
07.18 NOT USED
07.19 NOT USED
07.20 REINSTALL SALVAGED GUTTERS AND DOWNSPOUTS
07.21 Z FLASHING
07.22 STUCCO REGLET WITH W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM
07.23 SAW-CUT MASONRY REGLET W/ TWO PIECE SPRING ACTION TYPE COUNTER FLASHING EQUAL TO FRY REGLET SPRINGLOK FLASHING SYSTEM WITH TOOLED SEALANT AT MASONRY JOINT
07.24 ALUMINUM HEAD FLASHING

08 OPENINGS:
08.01 ALUMINUM STOREFRONT SYSTEM (INSULATED, IMPACT RESISTANT)
08.02 HATCH INDICATES TO REPLACE PIGMENTED STRUCTURAL GLAZING PANEL WITH NEW PIGMENTED STRUCTURAL GLASS PANEL / SPANDREL GLASS. PANEL COLOR TO MATCH EXISTING PANEL COLOR AT LOCATION
08.03 1" INSULATED, TEMPERED, LOW-E GLAZING
08.04 INSULATED HOLLOW METAL DOOR AND FULLY GROUTED HOLLOW METAL FRAME, PAINTED W/ COLOR SELECTED BY ARCHITECT. PROVIDE WIRE ANCHORS (3 PER JAMB)
08.05 NOT USED
08.06 OVERHEAD COILING DOOR
08.07 THRESHOLD, SET IN SEALANT
08.08 ALUMINUM STOREFRONT SUBSILL
08.09 ALUMINUM STOREFRONT (NON-THERMAL)

09 FINISHES
09.01 PAINT EXISTING CONCRETE
09.02 PRIME AND PAINT EXISTING RAILING. COLOR TO BE SELECTED BY ARCHITECT W/ OWNER APPROVAL
09.03 REINSTALL EXISTING CERAMIC TILES AND MARBLE PANELS. CLEAN SUBSTRATE WHERE REQUIRED PRIOR TO REINSTALLATION FOR PROPER ADHERENCE TO SUBSTRATE.
09.04 PRIME AND PAINT EXISTING METAL. COLOR TO BE SELECTED BY ARCHITECT WITH OWNER APPROVAL
09.05 ⅝" TYPE X GYPSUM BD.
09.06 CORNER BEAD
09.07 REPAIR CERAMIC WALL TILE JOINTS AND MARBLE GROUT JOINTS WITH NEW GROUT, STAIN GROUT JOINTS WITH COMMERCIAL GRADE GROUT STAIN AND RESEAL GROUT.

11 EQUIPMENT
11.01 DOCK BUMPER (REF D1/A303)

23 HVAC
23.01 IMPACT RESISTANT LOUVER

DAG ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

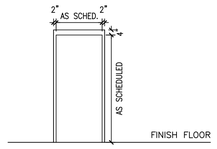
Exterior Renovations
Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

No.	Description	Date
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

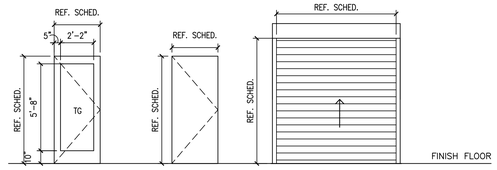
DETAILS

Project number: 19068
Date: 09-20-2019
PIC OEG
PM cch

A303



HM1
HOLLOW METAL



SF
STOREFRONT

F
FLUSH

OH
OVERHEAD COILING DOOR

DOOR SCHEDULE

DOOR NO.	DOOR MATERIAL	DOOR TYPE	DOOR SIZE	FRAME MATERIAL	FRAME TYPE	FRAME DOOR DETAILS ARE LABELED ON THE "TYPES" OF THIS SHEET HEAD	FRAME JAMB	FRAME SILL	FIRE RATING LABEL	REMARKS SEE SPECIFIC NOTES
100	ALUM.	SF	PR 3'-0" x 7'-0"	ALUM.	A	H1/A302	J1/A302	S2/A302		EXIT DOOR
101	ALUM.	SF	PR 3'-0" x 7'-0"	ALUM.	B	H4/A302	J3/A302	S2/A302(SIM.)		EXIT DOOR
102	ALUM.	SF	PR 3'-0" x 7'-0"	ALUM.	B	H4/A302	J3/A302	S2/A302(SIM.)		EXIT DOOR
103	GHM	F	3'-0" x 7'-0"	GHM	HM-1	H2/A303	J2/A303	S2/A303		EXIT DOOR, INSULATED
104	GHM	F	3'-0" x 7'-0"	GHM	HM-1	H2/A303	J2/A303	S2/A303		EXIT DOOR, INSULATED
105	GHM	F	PR 3'-0" x 7'-0"	GHM	HM-1	H3/A303	J3/A303	S2/A303		EXIT DOOR, INSULATED
106	GHM	F	PR 3'-0" x 7'-0"	GHM	HM-1	H3/A303	J3/A303	S2/A303		INSULATED
107	GHM	F	3'-0" x 7'-0"	GHM	HM-1	H3/A303	J3/A303	S2/A303		EXIT DOOR, INSULATED
108	GHM	F	3'-0" x 7'-0"	GHM	HM-1	H3/A303	J3/A303	S2/A303		EXIT DOOR, INSULATED
109	MTL	RU	8'-0" x 8'-2"	STL		H4/A303	J4/A303			INSULATED

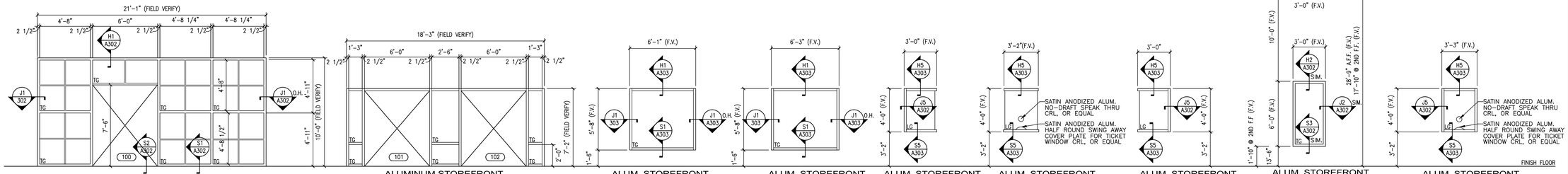
DOOR SCHEDULE GENERAL NOTES

1. MATERIAL ABBREVIATIONS
   HM = HOLLOW METAL
   GHM = GALVANIZED HOLLOW METAL
   SCWD = SOLID CORE WOOD DOOR
   SF = ALUMINUM STOREFRONT
   AL = ALUMINUM
   PR = PAIR
2. UNLESS NOTED OTHERWISE WHERE GLASS OCCURS IN DOORS PROVIDE TEMPERED GLASS (TG)
3. GLASS TYPE ABBREVIATIONS – SEE SPECIFICATIONS
4. UNLESS NOTED OTHERWISE ALL DOORS ARE 1 3/4" THICK.
5. SEE DOOR HARDWARE SPECIFICATIONS FOR HARDWARE LOCKSET SCHEDULE.
6. ALL STOREFRONT DOOR GLASS TO BE LAMINATED GLASS (LG).
7. ALL STOREFRONT TRANSOM GLASS TO BE INSULATED, SEE SPECIFICATIONS.
8. EXTERIOR AND WET AREA HOLLOW METAL FRAMES AND DOORS TO BE GALVANIZED.
9. FIELD VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS

B3 FRAME TYPE
SCALE: 1/4" =1'-0"

A2 DOOR TYPES
SCALE: 1/4" =1'-0"

A1 DOOR AND FRAME SCHEDULE
SCALE: 1/4" =1'-0"



A — ALUMINUM STOREFRONT
GREEN ROOM
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL

B — ALUMINUM STOREFRONT
MAIN LOBBY
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL

C — ALUM. STOREFRONT
MAIN LOBBY OFFICE
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL

D — ALUM. STOREFRONT
MAIN LOBBY OFFICE
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL

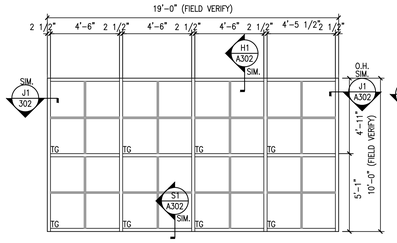
E — ALUM. STOREFRONT
TICKET BOOTH
BASIS OF DESIGN: CORAL FL200 DRY GLAZE OR EQUAL

F — ALUM. STOREFRONT
TICKET BOOTH
BASIS OF DESIGN: CORAL FL200 DRY GLAZE OR EQUAL

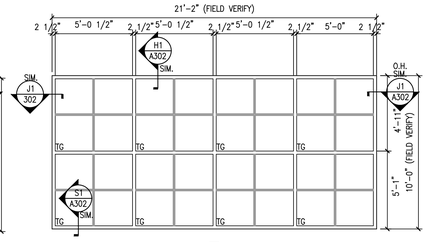
G — ALUM. STOREFRONT
TICKET BOOTH
BASIS OF DESIGN: CORAL FL200 DRY GLAZE OR EQUAL

H1 — ALUM. STOREFRONT
UPPER LOBBY & LIGHT WELL
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL

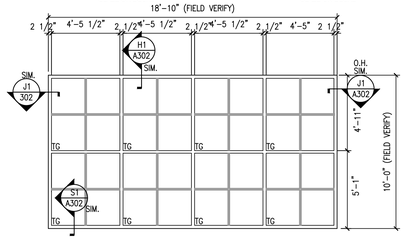
J — ALUM. STOREFRONT
TICKET OFFICE
BASIS OF DESIGN: CORAL FL200 DRY GLAZE OR EQUAL



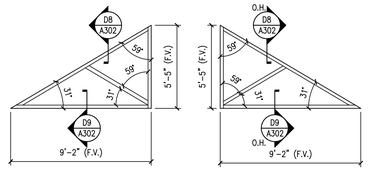
K
GREEN ROOM
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL



L TYP. OF 2
GREEN ROOM
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL



M
GREEN ROOM
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL



N TYP. OF 5
GREEN ROOM
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL

O TYP. OF 5
GREEN ROOM
BASIS OF DESIGN: CORAL FL550 DRY GLAZE OR EQUAL

C1 STOREFRONT ELEVATIONS - ALTERNATE #1
SCALE: 1/4" =1'-0"

DAG
ARCHITECTS
DAG Architects, AAC000745
455 Harrison Ave., Suite. B
Panama City, Florida 32401
850.387.1671 www.dagarchitects.com

CONSTRUCTION DOCUMENTS

Exterior Renovations

Martin Theater
409 Harrison Ave.
Panama City, Florida 32401

No.	Description	Date
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DOOR SCHEDULE

Project number: 19068
Date: 09-20-2019
PIC OEG
PM

A501

Exterior Renovations to the Martin Theatre Div 08 & 09 35 00

409 Harrison Avenue
Panama City, Florida 32401

Synergy NDS | Florida Municipal Insurance Trust (FMIT)
DAG Project No.19058
September 20, 2019

FLORIDA LEAGUE OF CITIES, INC.
SPONSOR OF THE FLORIDA MUNICIPAL INSURANCE TRUST

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DAG ARCHITECTS

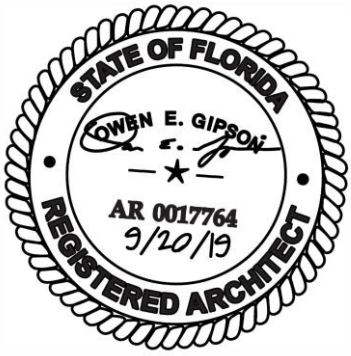
Division	Section Title	Pages

PROCUREMENT AND CONTRACTING REQUIREMENTS (Not included)

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

PROCUREMENT REQUIREMENTS

CONTRACTING REQUIREMENTS



SPECIFICATION GROUP

GENERAL REQUIREMENTS SUBGROUP

DIVISION 1 - GENERAL REQUIREMENTS

FACILITY CONSTRUCTION SUBGROUP

DIVISION 8 - DOORS AND WINDOWS

SECTION 01 10 00 – SUMMARY OF WORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Access to site.
4. Work restrictions.
5. Specification and drawing conventions.

B. Related Requirements:

1. Section 01 50 00 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.3 PROJECT INFORMATION

A. Project Identification: Exterior Renovations Martin Theatre

B. Project Location: 409 Harrison Ave.
Panama City Beach, FL

C. Owner: City of Panama City
501 Harrison Ave.
Panama City, FL 32401

D. FMIT PM: Synergy NDS / FMIT Turnkey Recovery Program
1400 Sarno Rd.
Melbourne, FL 32935
Contact: Jason Stoltzfus / Keith Bassett
Telephone: 888.580.7080
Email: jasons@synergynds.com
kbassett@synergynds.com

E. Architect: DAG ARCHITECTS INC
455 Harrison Ave. Suite B
Panama City, FL 32401
Contact: Owen Gipson
Telephone: 850.420.0591
www.dagarchitects.com

1.4 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:
   a. The work of this project is indicated on the drawings, described in the project manual. The work is subject to the requirements of the Americans with Disabilities Act (ADA) and all applicable building codes and ordinances.
   b. The drawings and project manual are complimentary and what is required by any one shall be as binding as if required by all.

   c. The work consists of exterior renovations to the existing Theatre. Work includes demolition of portion of existing construction, new storefront, hollow metal doors and frames, overhead door, and door hardware, repair and replacement of existing glass panels.

B. Type of Contract.

   a. TBD

1.5 ACCESS TO SITE

A. General: Contractor shall have full use of Project site for construction operations during construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project.

B. Condition of Existing Building: Maintain portions of existing building affected by construction operations in a weathertight condition throughout construction period. Repair damage caused by construction operations.

1.6 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

   1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.

B. Smoking and Controlled Substance Restrictions: Use of tobacco products, alcoholic beverages, and other controlled substances within the existing building, or on Project site, is not permitted.

1.7 SPECIFICATION AND DRAWING CONVENTIONS

A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

   1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
   2.
   3. Text Color: Text used in the Specifications, including units of measure, manufacturer and product names, and other text may appear in multiple colors or underlined as part of a hyperlink; no emphasis is implied by text with these characteristics.

4. Hypertext: Text used in the Specifications may contain hyperlinks. Hyperlinks may allow for access to linked information that is not residing in the Specifications. Unless otherwise indicated, linked information is not part of the Contract Documents.
5. Specification requirements are to be performed by Contractor unless specifically stated otherwise.

B. Division 00 Contracting Requirements: General provisions of the Contract, including General and Supplementary Conditions, apply to all Sections of the Specifications.

C. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.

D. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:

1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings published as part of the U.S. National CAD Standard and scheduled on Drawings.
3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 10 00

SECTION 01 11 00 – PRODUCT EVALUATION AND APPROVAL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. Florida Product Evaluation and Approval.

1.3 REFERENCES

A. Florida Statute 553.842

B. Florida Administrative Code 9B-72

C. Definition: Product evaluation and approval system that applies statewide to concurrent with the Florida Building Code.

1.4 RESPONSIBILITY

A. The Contractor is responsible for providing products approved by the State of Florida with approval numbers. **DO NOT USE PRODUCTS THAT DO NOT HAVE A FLORIDA APPROVAL NUMBER.**

1.5 SUBMITTAL

A. Submit a copy of the approved product schedule, (attached at the end of this section), to the Architect within thirty (30) days after project has been awarded. In addition to State requirements comply with the requirements of the local jurisdiction of the project.

B. Submit the following product approval specification sheet, or local jurisdiction form to obtain building permits.

1.6 CATEGORIES

A. General: Products, methods, or systems of construction, used in the exterior envelope of a building must be approved by the Building Department. The products covered are those products, methods or systems that affect the structural integrity of the building envelope, including but not limited to the following categories.

1. Panel Walls

2. Exterior Doors
3. Roofing Products.
4. Skylights
5. Windows
6. Shutters
7. Structural Components
8. New and Innovative Building Envelope Products.

B. If the Contractor fails to comply with this requirement, non-complying components shall be removed and replaced with components that do comply at no expense to the Owner.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
Category/Subcategory (cont.)	**Manufacturer**	**Product Description**	**Approval Number(s)**
D. ROOFING PRODUCTS			
1. Asphalt Shingles			

2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Roof			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
Category/Subcategory (cont.)	**Manufacturer**	**Product Description**	**Approval Number(s)**
G. STRUCTURAL COMPONENTS			

1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.
I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature Print Name

Date

Location Permit #

END OF SECTION 01 11 00

SECTION 01 25 00 - SUBSTITUTION PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for substitutions.

B. Related Requirements:

1. Document 002600 "Procurement Substitution Procedures" for requirements for substitution requests prior to award of Contract.

2. Section 01 23 00 "Alternates" for products selected under an alternate.

3. Section 01 60 00 "Product Requirements" for requirements for submitting comparable product submittals for products by listed manufacturers.

1.2 DEFINITIONS

A. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor.

1. Substitutions for Cause: Changes proposed by Contractor that are required due to changed Project conditions, such as unavailability of product, regulatory changes, or unavailability of required warranty terms.

2. Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required to meet other Project requirements but may offer advantage to Contractor or Owner.

1.3 ACTION SUBMITTALS

A. Substitution Requests: Submit three copies of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.

1. Substitution Request Form: Use CSI Form 13.1A
2. Documentation: Show compliance with requirements for substitutions and the following, as applicable:

a. Statement indicating why specified product or fabrication or installation cannot be provided, if applicable.
b. Coordination information, including a list of changes or revisions needed to other parts of the Work and to construction performed by Owner and separate contractors, that will be necessary to accommodate proposed substitution.
c. Detailed comparison of significant qualities of proposed substitution with those of the Work specified. Include annotated copy of applicable Specification Section. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific

features and requirements indicated. Indicate deviations, if any, from the Work specified.

d. Product Data, including drawings and descriptions of products and fabrication and installation procedures.
e. Samples, where applicable or requested.
f. Certificates and qualification data, where applicable or requested.
g. List of similar installations for completed projects with project names and addresses and names and addresses of architects and owners.
h. Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
i. Research reports evidencing compliance with building code in effect for Project, from ICC-ES
j. Detailed comparison of Contractor's construction schedule using proposed substitution with products specified for the Work, including effect on the overall Contract Time. If specified product or method of construction cannot be provided within the Contract Time, include letter from manufacturer, on manufacturer's letterhead, stating date of receipt of purchase order, lack of availability, or delays in delivery.
k. Cost information, including a proposal of change, if any, in the Contract Sum.
l. Contractor's certification that proposed substitution complies with requirements in the Contract Documents except as indicated in substitution request, is compatible with related materials, and is appropriate for applications indicated.
m. Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of failure of proposed substitution to produce indicated results.

3. Architect's Action: If necessary, Architect will request additional information or documentation for evaluation within seven days of receipt of a request for substitution. Architect will notify Contractor of acceptance or rejection of proposed substitution within 15 days of receipt of request, or seven days of receipt of additional information or documentation, whichever is later.

a. Forms of Acceptance: Change Order, Construction Change Directive, or Architect's Supplemental Instructions for minor changes in the Work.
b. Use product specified if Architect does not issue a decision on use of a proposed substitution within time allocated.

1.4 QUALITY ASSURANCE

A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

PART 2 - PRODUCTS

2.1 SUBSTITUTIONS

A. Substitutions for Cause: Submit requests for substitution immediately on discovery of need for change, but not later than 15 days prior to time required for preparation and review of related submittals.

1. Conditions: Architect will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:

    a. Requested substitution is consistent with the Contract Documents and will produce indicated results.

    b. Substitution request is fully documented and properly submitted.
    c. Requested substitution will not adversely affect Contractor's construction schedule.
    d. Requested substitution has received necessary approvals of authorities having jurisdiction.
    e. Requested substitution is compatible with other portions of the Work.
    f. Requested substitution has been coordinated with other portions of the Work.
    g. Requested substitution provides specified warranty.
    h. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

B. Substitutions for Convenience: Not allowed

PART 3 - EXECUTION (Not Used)

END OF SECTION 012500

SUBSTITUTION REQUEST
(After the Bidding/Negotiating Phase)

Project: _____ Substitution Request Number: _____

_____ From: _____

To: _____ Date: _____

_____ A/E Project Number: _____

Re: _____ Contract For: _____

Specification Title: _____ Description: _____

Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: _____

Manufacturer: _____ Address: _____ Phone: _____

Trade Name: _____ Model No.: _____

Installer: _____ Address: _____ Phone: _____

History: ☐ New product ☐ 1-4 years old ☐ 5-10 years old ☐ More than 10 years old

Differences between proposed substitution and specified product: _____

_____

_____

☐ Point-by-point comparative data attached — REQUIRED BY A/E

Reason for not providing specified item: _____

_____

Similar Installation:

Project: _____ Architect: _____

Address: _____ Owner: _____

_____ Date Installed: _____

Proposed substitution affects other parts of Work: ☐ No ☐ Yes; explain _____

_____

Savings to Owner for accepting substitution: _____ ($ _____).

Proposed substitution changes Contract Time: ☐ No ☐ Yes [Add] [Deduct] _____ days.

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

Form Version: September 2013
CSI Form 13.1A

SECTION 01 26 00 - CONTRACT MODIFICATION PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for handling and processing Contract modifications.

B. Related Requirements:

1. Section 012500 "Substitution Procedures" for administrative procedures for handling requests for substitutions made after the Contract award.
2. Section 013100 "Project Management and Coordination" for requirements for forms for contract modifications provided as part of web-based Project management software.

1.3 MINOR CHANGES IN THE WORK

A. Architect will issue through supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or the Contract Time, on AIA Document G710, "Architect's Supplemental Instructions."

1.4 PROPOSAL REQUESTS

A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
1. Proposal Requests issued by Architect are not instructions either to stop work in progress or to execute the proposed change.
2. Within time specified in Proposal Request or 20 days, when not otherwise specified, after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.
    a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
    b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
    c. Include costs of labor and supervision directly attributable to the change.
    d. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
    e. Quotation Form: Use forms Acceptable to Architect.

B. Contractor-Initiated Proposals: If latent or changed conditions require modifications to the Contract, Contractor may initiate a claim by submitting a request for a change to Architect.
   1. Include a statement outlining reasons for the change and the effect of the change on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and the Contract Time.
   2. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
   3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
   4. Include costs of labor and supervision directly attributable to the change.
   5. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
   6. Comply with requirements in Division 01 Section "Substitution Procedures" if the proposed change requires substitution of one product or system for product or system specified.
   7. Proposal Request Form: Use form acceptable to Architect.

1.5 ADMINISTRATIVE CHANGE ORDERS

A. Allowance Adjustment: Refer to Division 01 Section "Allowances" for administrative procedures for preparation of Change Order Proposal for adjusting the Contract Sum to reflect actual costs of allowances.

B. Unit Price Adjustment: Refer to Division 01 Section "Unit Prices" for administrative procedures for preparation of Change Order Proposal for adjusting the Contract Sum to reflect measured scope of unit price work.

1.6 CHANGE ORDER PROCEDURES

A. On Owner's approval of a Proposal Request, Architect will issue a Change Order for signatures of Owner and Contractor on AIA Document G701.

1.7 CONSTRUCTION CHANGE DIRECTIVE

A. Construction Change Directive: Architect may issue a Construction Change Directive on AIA Document G714. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
   1. Construction Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.

B. Documentation: Maintain detailed records on a time and material basis of work required by the Construction Change Directive.
   1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

SECTION 01 29 00 - PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section specifies administrative and procedural requirements necessary to prepare and process Applications for Payment.

B. Related Requirements:
   1. Section 012200 "Unit Prices" for administrative requirements governing the use of unit prices.
   2. Section 012600 "Contract Modification Procedures" for administrative procedures for handling changes to the Contract.
   3. Section 013200 "Construction Progress Documentation" for administrative requirements governing the preparation and submittal of the Contractor's construction schedule.

1.3 DEFINITIONS

A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

1.4 SCHEDULE OF VALUES

A. Coordination: Coordinate preparation of the schedule of values with preparation of Contractor's construction schedule.

   1. Correlate line items in the schedule of values with other required administrative forms and schedules, including the following:

      a. Application for Payment forms with continuation sheets.
      b. Submittal schedule.
      c. Items required to be indicated as separate activities in Contractor's construction schedule.

   2. Submit the schedule of values to Architect at earliest possible date but no later than seven days before the date scheduled for submittal of initial Applications for Payment.

B. Format and Content: Use the Project Manual table of contents as a guide to establish line items for the schedule of values. Provide at least one line item for each Specification Section.

   1. Identification: Include the following Project identification on the schedule of values:

a. Project name and location.
b. Owner's name.
c. Name of Architect.
d. Architect's project number.
e. Contractor's name and address.
f. Date of submittal.

2. Arrange schedule of values consistent with format of AIA Document G703.
3. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with the Project Manual table of contents. Provide multiple line items for principal subcontract amounts in excess of five percent of Contract Sum.
4. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
5. Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.
6. Provide separate line items in the schedule of values for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.
7. Each item in the schedule of values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.

   a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the schedule of values or distributed as general overhead expense, at Contractor's option.

8. Schedule Updating: Update and resubmit the schedule of values before the next Applications for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

1.5 APPLICATIONS FOR PAYMENT

A. Each Application for Payment shall be consistent with previous applications and payments as certified by Architect and paid for by Owner.

   1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.

B. Payment Application Times: Progress payments shall be submitted to Architect by the 25th day of each month. The period covered by each Application for Payment is one month, ending on the last day of the month.

   1. Submit draft copy of Application for Payment seven days prior to due date for review by Architect.

C. Application for Payment Forms: Use AIA Document G702 and AIA Document G703 as form for Applications for Payment or Contractor’s computer print-out sheet with all required data from G702 and G703 and as approved by the Owner.

D. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Architect will return incomplete applications without action.

   1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.

2. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.

E. Transmittal: Submit three signed and notarized original copies of each Application for Payment to Architect by a method ensuring receipt within 24 hours. One copy shall include waivers of lien and similar attachments if required.

1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.

F. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's lien from entities lawfully entitled to file a mechanic's lien arising out of the Contract and related to the Work covered by the payment.

1. Submit partial waivers on each item for amount requested in previous application, after deduction for retainage, on each item.
2. When an application shows completion of an item, submit conditional final or full waivers.
3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
4. Submit final Application for Payment with or preceded by conditional final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
5. Waiver Forms: Submit waivers of lien on forms, executed in a manner acceptable to Owner.

G. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:

1. List of subcontractors.
2. Schedule of values.
3. Contractor's construction schedule (preliminary if not final).
4. Products list (preliminary if not final).
5. Schedule of unit prices.
6. Submittal schedule (preliminary if not final).
7. List of Contractor's staff assignments.
8. List of Contractor's principal consultants.
9. Copies of building permits.
10. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
11. Initial progress report.
12. Report of preconstruction conference.
13. Certificates of insurance and insurance policies.

H. Application for Payment at Substantial Completion: After issuing the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.

1. Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.

    a. Complete administrative actions, submittals, and Work preceding this application, as described in Section 017700 "Closeout Procedures."
2. This application shall reflect Certificates of Partial Substantial Completion issued previously for Owner occupancy of designated portions of the Work.

I. Final Payment Application: Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:

1. Evidence of completion of Project closeout requirements.
2. Certification of completion of final punch list items.
3. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
4. Updated final statement, accounting for final changes to the Contract Sum.
5. AIA Document G706-1994, "Contractor's Affidavit of Payment of Debts and Claims."
6. AIA Document G706A-1994, "Contractor's Affidavit of Release of Liens."
7. AIA Document G707-1994, "Consent of Surety to Final Payment."
8. Evidence that claims have been settled.
9. Final meter readings for utilities, a measured record of stored fuel, and similar data as of date of Substantial Completion or when Owner took possession of and assumed responsibility for corresponding elements of the Work.
10. Final liquidated damages settlement statement.
11. Proof that taxes, fees, and similar obligations are paid.
12. Waivers and releases.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 29 00

SECTION 01 31 00 - PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative provisions for coordinating construction operations on Project including, but not limited to, the following:
   1. General coordination procedures
   2. Coordination drawings.
   3. Requests for Information (RFIs).
   4. Project meetings.

B. Related Sections:
   1. Section 013200 "Construction Progress Documentation" for preparing and submitting Contractor's construction schedule.
   2. Section 017300 "Execution" for procedures for coordinating general installation and field-engineering services, including establishment of benchmarks and control points.
   3. Section 017700 "Closeout Procedures" for coordinating closeout of the Contract.

1.3 DEFINITIONS

A. RFI: Request from Owner, Architect, or Contractor seeking information from each other during construction.

1.4 COORDINATION

A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations, included in different Sections that depend on each other for proper installation, connection, and operation.
   1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
   2. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
   3. Make adequate provisions to accommodate items scheduled for later installation.

B. Prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as required notices, reports, and list of attendees at meetings.
   1. Prepare similar memoranda for Owner and separate contractors if coordination of their Work is required.

C. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:
1. Preparation of Contractor's construction schedule.
2. Preparation of the schedule of values.
3. Installation and removal of temporary facilities and controls.
4. Delivery and processing of submittals.
5. Progress meetings.
6. Preinstallation conferences.
7. Project closeout activities.
8. Startup and adjustment of systems.
9. Project closeout activities.

1.5 COORDINATION DRAWINGS

A. Coordination Drawings, General: Prepare coordination drawings in accordance with requirements in individual Sections, where installation is not completely shown on Shop Drawings, where limited space availability necessitates coordination, or if coordination is required to facilitate integration of products and materials fabricated or installed by more than one entity.
1. Content: Project-specific information, drawn accurately to a scale large enough to indicate and resolve conflicts. Do not base coordination drawings on standard printed data. Include the following information, as applicable:

    a. Indicate functional and spatial relationships of components of architectural, structural, civil, mechanical, and electrical systems.
    b. Indicate dimensions shown on the Drawings. Specifically note dimensions that appear to be in conflict with submitted equipment and minimum clearance requirements. Provide alternate sketches to Architect indicating proposed resolution of such conflicts. Minor dimension changes and difficult installations will not be considered changes to the Contract.
2. Review: Architect will review coordination drawings to confirm that the Work is being coordinated, but not for the details of the coordination, which are the Contractor's responsibility.

1.6 REQUESTS FOR INFORMATION (RFIs)

A. General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.
1. Architect will return RFIs submitted to Architect by other entities controlled by Contractor with no response.
2. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.

B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
1. Project name.
2. Project number.
3. Date.
4. Name of Contractor.
5. Name of Architect.
6. Architect's Project number.
7. RFI number, numbered sequentially.
8. RFI subject.

9. Specification Section number and title and related paragraphs, as appropriate.
10. Drawing number and detail references, as appropriate.
11. Field dimensions and conditions, as appropriate.
12. Contractor's suggested resolution. If Contractor's solution(s) impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
13. Contractor's signature.
14. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.

C. RFI Forms: AIA Document G716.
1. Attachments shall be electronic files in PDF format.

D. Architect's Action: Architect will review each RFI, determine action required, and respond. Allow seven working days for Architect's response for each RFI. RFIs received by Architect after 1:00 p.m. will be considered as received the following working day.
1. The following RFIs will be returned without action:

a. Requests for approval of submittals.
b. Requests for approval of substitutions.
c. Requests for approval of Contractor's means and methods.
d. Requests for coordination information already indicated in the Contract Documents.
e. Requests for adjustments in the Contract Time or the Contract Sum.
f. Requests for interpretation of Architect's actions on submittals.
g. Incomplete RFIs or inaccurately prepared RFIs.

2. Architect's action may include a request for additional information, in which case Architect's time for response will date from time of receipt by Architect of additional information.
3. Architect's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Division 01 Section "Contract Modification Procedures."

a. If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Architect in writing within 5 days of receipt of the RFI response.

E. On receipt of Architect's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect within seven days if Contractor disagrees with response.

F. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. Submit log weekly. Use CSI Log Form 13.2B. Include the following:
1. Project name.
2. Name and address of Contractor.
3. Name and address of Architect.
4. RFI number including RFIs that were dropped and not submitted.
5. RFI description.
6. Date the RFI was submitted.
7. Date Architect's response was received.
8. Identification of related Minor Change in the Work, Construction Change Directive, and Proposal Request, as appropriate.

1.7 DIGITAL PROJECT MANAGEMENT PROCEDURES

A. PDF Document Preparation: Where PDFs are required to be submitted to Architect, prepare as follows:

1. Assemble complete submittal package into a single indexed file, incorporating submittal requirements of a single Specification Section and transmittal form with links enabling navigation to each item.
2. Name file with submittal number or other unique identifier, including revision identifier.
3. Certifications: Where digitally submitted certificates and certifications are required, provide a digital signature with digital certificate on where indicated.

1.8 PROJECT MEETINGS

A. General: Schedule and conduct meetings and conferences at Project site, unless otherwise indicated.
   1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner and Architect of scheduled meeting dates and times a minimum of seven days prior to meeting.
   2. Agenda: Prepare the meeting agenda. Distribute the agenda to all invited attendees.
   3. Minutes: Entity responsible for conducting meeting will record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Architect, within three days of the meeting.

B. Preconstruction Conference: Architect will schedule and conduct a preconstruction conference before starting construction, at a time convenient to Owner and Architect, but no later than 15 days after execution of the Agreement.
   1. Attendees: Authorized representatives of Owner, Architect, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
   2. Agenda: Discuss items of significance that could affect progress, including the following:

      a. Tentative construction schedule.
      b. Phasing.
      c. Critical work sequencing and long-lead items.
      d. Designation of key personnel and their duties.
      e. Lines of communications.
      f. Procedures for processing field decisions and Change Orders.
      g. Procedures for RFIs.
      h. Procedures for testing and inspecting.
      i. Procedures for processing Applications for Payment.
      j. Distribution of the Contract Documents.
      k. Submittal procedures.
      l. Preparation of record documents.
      m. Use of the premises and existing buildings.
      n. Work restrictions.
      o. Working hours.
      p. Owner's occupancy requirements.
      q. Responsibility for temporary facilities and controls.
      r. Procedures for moisture and mold control.
      s. Procedures for disruptions and shutdowns.
      t. Construction waste management and recycling.
      u. Parking availability.
      v. Office, work, and storage areas.
      w. Equipment deliveries and priorities.
      x. First aid.
      y. Security.
      z. Progress cleaning.

3. Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes.

C. Preinstallation Conferences: Conduct a preinstallation conference at Project site before each construction activity that requires coordination with other construction.
   1. Attendees: Installer and representatives of manufacturers and fabricators involved in or affected by the installation and its coordination or integration with other materials and installations that have preceded or will follow, shall attend the meeting. Advise Architect of scheduled meeting dates.
   2. Agenda: Review progress of other construction activities and preparations for the particular activity under consideration, including requirements for the following:

      a. Contract Documents.
      b. Options.
      c. Related RFIs.
      d. Related Change Orders.
      e. Purchases.
      f. Deliveries.
      g. Submittals.
      h. Review of mockups.
      i. Possible conflicts.
      j. Compatibility problems.
      k. Time schedules.
      l. Weather limitations.
      m. Manufacturer's written recommendations.
      n. Warranty requirements.
      o. Compatibility of materials.
      p. Acceptability of substrates.
      q. Temporary facilities and controls.
      r. Space and access limitations.
      s. Regulations of authorities having jurisdiction.
      t. Testing and inspecting requirements.
      u. Installation procedures.
      v. Coordination with other work.
      w. Required performance results.
      x. Protection of adjacent work.
      y. Protection of construction and personnel.
   3. Record significant conference discussions, agreements, and disagreements, including required corrective measures and actions.
   4. Reporting: Distribute minutes of the meeting to each party present and to other parties requiring information.
   5. Do not proceed with installation if the conference cannot be successfully concluded. Initiate whatever actions are necessary to resolve impediments to performance of the Work and reconvene the conference at earliest feasible date.

D. Progress Meetings: Conduct progress meetings at monthly intervals.
   1. Attendees: In addition to representatives of Owner and Architect, each contractor, subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. All participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.
   2. Agenda: Review and correct or approve minutes of previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to status of Project.

a. Contractor's Construction Schedule: Review progress since the last meeting. Determine whether each activity is on time, ahead of schedule, or behind schedule, in relation to Contractor's construction schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Time.

1) Review schedule for next period.

b. Review present and future needs of each entity present, including the following:

1) Interface requirements.
2) Sequence of operations.
3) Status of submittals.
4) Deliveries.
5) Off-site fabrication.
6) Access.
7) Site utilization.
8) Temporary facilities and controls.
9) Progress cleaning.
10) Quality and work standards.
11) Status of correction of deficient items.
12) Field observations.
13) Status of RFIs.
14) Status of proposal requests.
15) Pending changes.
16) Status of Change Orders.
17) Pending claims and disputes.
18) Documentation of information for payment requests.

3. Minutes: Entity responsible for conducting the meeting will record and distribute the meeting minutes to each party present and to parties requiring information.

a. Schedule Updating: Revise Contractor's construction schedule after each progress meeting where revisions to the schedule have been made or recognized. Issue revised schedule concurrently with the report of each meeting.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 31 00

SECTION 01 32 00 - CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
   1. Contractor's construction schedule.
   2. Daily construction reports.
   3. Field condition reports.

B. Related Requirements:
   1. Section 012900 "Payment Procedures" for schedule of values and requirements for use of cost-loaded schedule for Applications for Payment.
   2. Section 014000 "Quality Requirements" for schedule of tests and inspections.

1.3 INFORMATIONAL SUBMITTALS

A. Format for Submittals: Submit required submittals in the following format:

   1. Working electronic copy of schedule file
   2. PDF file

B. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.

C. Daily Construction Reports: Submit at weekly intervals.

D. Field Condition Reports: Submit at time of discovery of differing conditions.

E. Unusual Event Reports: Submit at time of unusual event.

1.4 COORDINATION

A. Coordinate preparation and processing of schedules and reports with performance of construction activities and with scheduling and reporting of separate contractors.

B. Coordinate Contractor's construction schedule with the schedule of values, list of subcontracts, submittal schedule, progress reports, payment requests, and other required schedules and reports.
   1. Secure time commitments for performing critical elements of the Work from entities involved.

2. Coordinate each construction activity in the network with other activities and schedule them in proper sequence.

PART 2 - PRODUCTS

2.1 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

A. Time Frame: Extend schedule from date established for the Notice to Proceed to date of Substantial Completion.
   1. Contract completion date shall not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by Change Order.

B. Activities: Treat each story or separate area as a separate numbered activity for each principal element of the Work. Comply with the following:
   1. Activity Duration: Define activities so no activity is longer than 20 days, unless specifically allowed by Architect.
   2. Temporary Facilities: Indicate start and completion dates for the following as applicable:

      a. Securing of approvals and permits required for performance of the Work.
      b. Temporary facilities.
      c. Construction of mock-ups, prototypes and samples.
      d. Owner interfaces and furnishing of items.
      e. Interfaces with Separate Contracts.
      f. Regulatory agency approvals.
      g. Punch list.

   3. Procurement Activities: Include procurement process activities for the following long lead items and major items, requiring a cycle of more than 60 days, as separate activities in schedule. Procurement cycle activities include, but are not limited to, submittals, approvals, purchasing, fabrication, and delivery.
      a. Theatre Marquee
   4. Submittal Review Time: Include review and resubmittal times indicated in Division 01 Section "Submittal Procedures" in schedule. Coordinate submittal review times in Contractor's construction schedule with submittal schedule.
   5. Startup and Testing Time: Include not less than 10 days for startup and testing.
   6. Substantial Completion: Indicate completion in advance of date established for Substantial Completion, and allow time for Architect's administrative procedures necessary for certification of Substantial Completion.
   7. Punch List and Final Completion: Include not more than 30 days for punch list and final completion.

C. Recovery Schedule: When periodic update indicates the Work is 14 or more calendar days behind the current approved schedule, submit a separate recovery schedule indicating means by which Contractor intends to regain compliance with the schedule.

2.2 CONTRACTOR'S CONSTRUCTION SCHEDULE (GANTT CHART)

A. Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal Gantt-chart-type, Contractor's construction schedule within 30 days of date established for the Notice to Proceed.

B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line.

1. For construction activities that require three months or longer to complete, indicate an estimated completion percentage in 10 percent increments within time bar.

2.3 REPORTS

A. Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at Project site:
   1. List of subcontractors at Project site.
   2. List of separate contractors at Project site.
   3. Approximate count of personnel at Project site.
   4. Equipment at Project site.
   5. Material deliveries.
   6. High and low temperatures and general weather conditions, including presence of rain or snow.
   7. Testing and inspection.
   8. Accidents.
   9. Meetings and significant decisions.
   10. Unusual events.
   11. Stoppages, delays, shortages, and losses.
   12. Meter readings and similar recordings.
   13. Emergency procedures.
   14. Orders and requests of authorities having jurisdiction.
   15. Change Orders received and implemented.
   16. Construction Change Directives received and implemented.
   17. Services connected and disconnected.
   18. Equipment or system tests and startups.
   19. Partial completions and occupancies.
   20. Substantial Completions authorized.

B. Field Condition Reports: Immediately on discovery of a difference between field conditions and the Contract Documents, prepare and submit a detailed report. Submit with a Request for Information. Include a detailed description of the differing conditions, together with recommendations for changing the Contract Documents.

C. Unusual Event Reports: When an event of an unusual and significant nature occurs at Project site, whether or not related directly to the Work, prepare and submit a special report. List chain of events, persons participating, responses by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise Owner in advance when these events are known or predictable.

   1. Submit unusual event reports directly to Owner within one day(s) of an occurrence. Distribute copies of report to parties affected by the occurrence.

PART 3 - EXECUTION

3.1 CONTRACTOR'S CONSTRUCTION SCHEDULE

A. Contractor's Construction Schedule Updating: At monthly intervals, update schedule to reflect actual construction progress and activities. Issue schedule at each regularly scheduled progress meeting.

1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.
2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
3. As the Work progresses, indicate final completion percentage for each activity.

B. Distribution: Distribute copies of approved schedule to Architect, Owner, separate contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
1. Post copies in Project meeting rooms and temporary field offices.
2. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

END OF SECTION 01 32 00

SECTION 01 33 00 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes requirements for the submittal schedule and administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other submittals.

B. Related Sections:

1. Section 012900 "Payment Procedures" for submitting Applications for Payment and the schedule of values.
2. Section 013100 "Project Management and Coordination" for submitting coordination drawings and subcontract list and for requirements for web-based Project software.
3. Section 013200 "Construction Progress Documentation" for submitting schedules and reports, including Contractor's construction schedule.
4. Section 014000 "Quality Requirements" for submitting test and inspection reports, and schedule of tests and inspections.
5. Section 017700 "Closeout Procedures" for submitting closeout submittals and maintenance material submittals.
6. Section 017839 "Project Record Documents" for submitting record Drawings, record Specifications, and record Product Data.

1.3 DEFINITIONS

A. Action Submittals: Written and graphic information and physical samples that require Architect's responsive action.

B. Informational Submittals: Written and graphic information and physical samples that do not require Architect's responsive action. Submittals may be rejected for not complying with requirements.

1.4 ACTION SUBMITTALS

A. Submittal Schedule: Submit a schedule of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, ordering, manufacturing, fabrication, and delivery when establishing dates. Include additional time required for making corrections or modifications to submittals noted by the Architect and additional time for handling and reviewing submittals required by those corrections.

1.5 SUBMITTAL ADMINISTRATIVE REQUIREMENTS

A. Architect's Digital Data Files: Electronic copies of CAD Drawings of the Contract Drawings, floor plans and elevations only, will be provided upon request by Architect for Contractor's use in preparing submittals.
   1. Architect will furnish Contractor one set of digital data drawing files of the Contract Drawings upon request by Contractor for use in preparing Shop Drawings.
      a. Architect makes no representations as to the accuracy or completeness of digital data drawing files as they relate to the Contract Drawings.
      b. Contractor shall execute a data licensing agreement in the form of AIA Document C106, Digital Data Licensing Agreement.

B. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
   1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
   2. Coordinate transmittal of different types of submittals for related parts of the Work so processing will not be delayed because of need to review submittals concurrently for coordination.
      a. Architect reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.

C. Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Architect's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.
   1. Initial Review: Allow 15 days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. Architect will advise Contractor when a submittal being processed must be delayed for coordination.
   2. Intermediate Review: If intermediate submittal is necessary, process it in same manner as initial submittal.
   3. Resubmittal Review: Allow 15 days for review of each resubmittal.

D. Identification and Information: Place a permanent label or title block on each paper copy submittal item for identification.
   1. Indicate name of firm or entity that prepared each submittal on label or title block.
   2. Provide a space approximately 150 by 200 mm (6 by 8 inches) on label or beside title block to record Contractor's review and approval markings and action taken by Architect.
   3. Include the following information for processing and recording action taken:
      a. Project name.
      b. Date.
      c. Name of Architect.
      d. Name of Construction Manager.
      e. Name of Contractor.
      f. Name of subcontractor.
      g. Name of supplier.
      h. Name of manufacturer.
      i. Submittal number or other unique identifier, including revision identifier.
         1) Submittal number shall use Specification Section number followed by a decimal point and then a sequential number (e.g., 061000.01). Resubmittals shall include an alphabetic suffix after another decimal point (e.g., 061000.01.A).
      j. Number and title of appropriate Specification Section.
      k. Drawing number and detail references, as appropriate.
      l. Location(s) where product is to be installed, as appropriate.

m. Other necessary identification.

E. Identification and Information: Identify and incorporate information in each electronic submittal file as follows:
1. Assemble complete submittal package into a single indexed file with links enabling navigation to each item.
2. Name file with submittal number or other unique identifier, including revision identifier.
   a. File name shall use project identifier and Specification Section number followed by a decimal point and then a sequential number (e.g., LNHS-061000.01). Resubmittals shall include an alphabetic suffix after another decimal point (e.g., LNHS-061000.01.A).
3. Provide means for insertion to permanently record Contractor's review and approval markings and action taken by Architect.
4. Include the following information on an inserted cover sheet:
   a. Project name.
   b. Date.
   c. Name and address of Architect.
   d. Name of Construction Manager.
   e. Name of Contractor.
   f. Name of firm or entity that prepared submittal.
   g. Name of subcontractor.
   h. Name of supplier.
   i. Name of manufacturer.
   j. Number and title of appropriate Specification Section.
   k. Drawing number and detail references, as appropriate.
   l. Location(s) where product is to be installed, as appropriate.
   m. Related physical samples submitted directly.
   n. Other necessary identification.

F. Options: Identify options requiring selection by the Architect.

G. Deviations: Identify deviations from the Contract Documents on submittals.

H. Additional Paper Copies: Unless additional copies are required for final submittal, and unless Architect observes noncompliance with provisions in the Contract Documents, initial submittal may serve as final submittal.
1. Submit one copy of submittal to concurrent reviewer in addition to specified number of copies to Architect.

I. Transmittal: Assemble each submittal individually and appropriately for transmittal and handling. Transmit each submittal using a transmittal form. Architect will discard submittals received from sources other than Contractor.
1. Transmittal Form: Use AIA Document G810.
2. On an attached separate sheet, prepared on Contractor's letterhead, record relevant information, requests for data, revisions other than those requested by Architect on previous submittals, and deviations from requirements in the Contract Documents, including minor variations and limitations. Include same identification information as related submittal.

J. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.
1. Note date and content of previous submittal.
2. Note date and content of revision in label or title block and clearly indicate extent of revision.
3. Resubmit submittals until they are marked with approval notation from Architect's action stamp.

K. Distribution: Furnish copies of final submittals to manufacturers, subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.

L. Use for Construction: Use only final submittals that are marked with approval notation from Architect's action stamp.

PART 2 - PRODUCTS

2.1 SUBMITTAL PROCEDURES

A. General Submittal Procedure Requirements:
   1. Action Submittals: Submit electronic PDF file of each submittal, unless otherwise indicated.
   2. Informational Submittals: Submit electronic PDF file of each submittal, unless otherwise indicated. Architect will not return informational submittals.
   3. Closeout Submittals and Maintenance Material Submittals: Comply with requirements specified in Division 01 Section "Closeout Procedures."
   4. Certificates and Certifications Submittals: Provide a statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity.
      a. Provide a digital signature with digital certificate on electronically-submitted certificates and certifications where indicated.
      b. Provide a notarized statement on original paper copy certificates and certifications where indicated.
   5. Test and Inspection Reports Submittals: Comply with requirements specified in Division 01 Section "Quality Requirements."

B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
   1. If information must be specially prepared for submittal because standard published data are not suitable for use, submit as Shop Drawings, not as Product Data.
   2. Mark each copy of each submittal to show which products and options are applicable.
   3. Include the following information, as applicable:
      a. Manufacturer's catalog cuts.
      b. Manufacturer's product specifications.
      c. Standard color charts.
      d. Statement of compliance with specified referenced standards.
      e. Testing by recognized testing agency.
      f. Application of testing agency labels and seals.
      g. Notation of coordination requirements.
      h. Availability and delivery time information.
   4. For equipment, include the following in addition to the above, as applicable:
      a. Wiring diagrams showing factory-installed wiring.
      b. Printed performance curves.
      c. Operational range diagrams.
      d. Clearances required to other construction, if not indicated on accompanying Shop Drawings.
   5. Submit Product Data before or concurrent with Samples.
   6. Submit Product Data in the following format:
      a. Email .pdfs.

C. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data, unless submittal based upon Architect's digital data drawing files is otherwise permitted.
   1. Preparation: Fully illustrate requirements in the Contract Documents. Include the following information, as applicable:
      a. Identification of products.
      b. Schedules.
      c. Compliance with specified standards.
      d. Notation of coordination requirements.
      e. Notation of dimensions established by field measurement.
      f. Relationship and attachment to adjoining construction clearly indicated.
      g. Seal and signature of professional engineer if specified.
   2. Sheet Size: Except for templates, patterns, and similar full-size drawings, submit Shop Drawings on sheets at least 215 by 280 mm (8-1/2 by 11 inches) but no larger than 600 by 900 mm (24 by 36 inches).
   3. Submit Shop Drawings in the following format:
      a. Two opaque (bond) copies of each submittal. Architect will return one copy.
      b. Email .pdfs may be substituted with architect’s approval.

D. Samples: Submit Samples for review of kind, color, pattern, and texture for a check of these characteristics with other elements and for a comparison of these characteristics between submittal and actual component as delivered and installed.
   1. Transmit Samples that contain multiple, related components such as accessories together in one submittal package.
   2. Identification: Attach label on unexposed side of Samples that includes the following:

      a. Project name and submittal number.
      b. Generic description of Sample.
      c. Product name and name of manufacturer.
      d. Sample source.
      e. Number and title of applicable Specification Section.

   3. Email Transmittal: Provide PDF transmittal. Include digital image file illustrating Sample characteristics and identification information for record.
   4. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
      a. Samples that may be incorporated into the Work are indicated in individual Specification Sections. Such Samples must be in an undamaged condition at time of use.
      b. Samples not incorporated into the Work, or otherwise designated as Owner's property, are the property of Contractor.
   5. Samples for Initial Selection: Submit manufacturer's color charts consisting of units or sections of units showing the full range of colors, textures, and patterns available.
      a. Number of Samples: Submit one full set(s) of available choices where color, pattern, texture, or similar characteristics are required to be selected from manufacturer's product line. Architect will return submittal with options selected.
   6. Samples for Verification: Submit full-size units or Samples of size indicated, prepared from same material to be used for the Work, cured and finished in manner specified, and physically identical with material or product proposed for use, and that show full range of color and texture variations expected. Samples include, but are not limited to, the following: partial sections of manufactured or fabricated components; small cuts or containers of materials; complete units of repetitively used materials; swatches showing color, texture, and pattern; color range sets; and components used for independent testing and inspection.

a. Number of Samples: Submit three sets of Samples. Architect will retain two Sample set; remainder will be returned.
1) If variation in color, pattern, texture, or other characteristic is inherent in material or product represented by a Sample, submit at least three sets of paired units that show approximate limits of variations.

E. Contractor's Construction Schedule: Comply with requirements specified in Division 01 Section "Construction Progress Documentation."

F. Application for Payment: Comply with requirements specified in Division 01 Section "Payment Procedures."

G. Schedule of Values: Comply with requirements specified in Division 01 Section "Payment Procedures."

H. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Use CSI Form 1.5A.
1. Submit subcontract list in the following format:
a. Number of Copies: Two paper copies of subcontractor list, unless otherwise indicated. Architect will return one copy.

I. Coordination Drawings: Comply with requirements specified in Division 01 Section "Project Management and Coordination."

J. Qualification Data: Prepare written information that demonstrates capabilities and experience of firm or person. Include lists of completed projects with project names and addresses, contact information of architects and owners, and other information specified.

K. Welding Certificates: Prepare written certification that welding procedures and personnel comply with requirements in the Contract Documents. Submit record of Welding Procedure Specification and Procedure Qualification Record on American Welding Society (AWS) forms. Include names of firms and personnel certified.

L. Installer Certificates: Submit written statements on manufacturer's letterhead certifying that Installer complies with requirements in the Contract Documents and, where required, is authorized by manufacturer for this specific Project.

M. Manufacturer Certificates: Submit written statements on manufacturer's letterhead certifying that manufacturer complies with requirements in the Contract Documents. Include evidence of manufacturing experience where required.

N. Product Certificates: Submit written statements on manufacturer's letterhead certifying that product complies with requirements in the Contract Documents.

O. Material Certificates: Submit written statements on manufacturer's letterhead certifying that material complies with requirements in the Contract Documents.

P. Material Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting test results of material for compliance with requirements in the Contract Documents.

Q. Product Test Reports: Submit written reports indicating current product produced by manufacturer complies with requirements in the Contract Documents. Base reports on evaluation

of tests performed by manufacturer and witnessed by a qualified testing agency, or on comprehensive tests performed by a qualified testing agency.

R. Research Reports: Submit written evidence, from a model code organization acceptable to authorities having jurisdiction, that product complies with building code in effect for Project.

S. Schedule of Tests and Inspections: Comply with requirements specified in Division 01 Section "Quality Requirements."

T. Field Test Reports: Submit reports indicating and interpreting results of field tests performed either during installation of product or after product is installed in its final location, for compliance with requirements in the Contract Documents.

U. Maintenance Data: Comply with requirements specified in Division 01 Section "Operation and Maintenance Data."

V. Design Data: Prepare and submit written and graphic information, including, but not limited to, performance and design criteria, list of applicable codes and regulations, and calculations. Include list of assumptions and other performance and design criteria and a summary of loads. Include load diagrams if applicable. Provide name and version of software, if any, used for calculations. Include page numbers.

2.2 DELEGATED-DESIGN SERVICES

A. Performance and Design Criteria: Where professional design services or certifications by a design professional are specifically required of Contractor by the Contract Documents, provide products and systems complying with specific performance and design criteria indicated.
   1. If criteria indicated are not sufficient to perform services or certification required, submit a written request for additional information to Architect.

B. Delegated-Design Services Certification: In addition to Shop Drawings, Product Data, and other required submittals, submit digitally signed PDF file, signed and sealed by the responsible design professional, for each product and system specifically assigned to Contractor to be designed or certified by a design professional.
   1. Indicate that products and systems comply with performance and design criteria in the Contract Documents. Include list of codes, loads, and other factors used in performing these services.

PART 3 - EXECUTION

3.1 CONTRACTOR'S REVIEW

A. Action and Informational Submittals: Review each submittal and check for coordination with other Work of the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Architect.

B. Project Closeout and Maintenance/Material Submittals: Refer to requirements in Division 01 Section "Closeout Procedures."

C. Approval Stamp: Stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date of

Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.

3.2 ARCHITECT'S ACTION

A. General: Architect will not review submittals that do not bear Contractor's approval stamp and will return them without action.

B. Action Submittals: Architect will review each submittal, make marks to indicate corrections or modifications required, and return it. Architect will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action.

C. Informational Submittals: Architect will review each submittal and will not return it, or will return it if it does not comply with requirements. Architect will forward each submittal to appropriate party.

D. Incomplete submittals are not acceptable, will be considered nonresponsive, and will be returned without review.

E. Submittals not required by the Contract Documents may not be reviewed and may be discarded.

END OF SECTION 01 33 00

SECTION 01 35 16 - ALTERATION PROJECT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes special procedures for alteration work.

1.3 DEFINITIONS

A. Alteration Work: This term includes remodeling, renovation, repair, and maintenance work performed on existing surfaces as part of the Project.

B. Consolidate: To strengthen loose or deteriorated materials in place.

C. Disassemble: To remove by detaching an item from a surface, using gentle methods and equipment to prevent damage to the item and surfaces; disposing of items unless indicated to be salvaged or reinstalled.

D. Match: To blend with adjacent construction and manifest no apparent difference in material type, species, cut, form, detail, color, grain, texture, or finish; as approved by Architect.

E. Repair: To correct damage and defects, retaining existing materials, features, and finishes. This includes patching, piecing-in, splicing, consolidating, or otherwise reinforcing or upgrading materials.

F. Replace: To remove, duplicate, and reinstall entire item with new material. The original item is the pattern for creating duplicates unless otherwise indicated.

G. Reproduce: To fabricate a new item, accurate in detail to the original, and from either the same or a similar material as the original, unless otherwise indicated.

H. Retain: To keep existing items that are not to be removed or dismantled.

I. Strip: To remove existing finish down to base material unless otherwise indicated.

1.4 MATERIALS OWNERSHIP

A. Historic items, relics, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, antiques, and other items of interest or value to Owner that may be encountered or uncovered during the Work, regardless of whether they were previously documented, remain Owner's property.

1. Carefully dismantle and salvage each item or object in a manner to prevent damage and protect it from damage, then promptly deliver it to Owner where directed.

1.5 INFORMATIONAL SUBMITTALS

A. Preconstruction Documentation: Show preexisting conditions of adjoining construction and site improvements that are to remain, including finish surfaces, that might be misconstrued as damage caused by Contractor's alteration work operations.

1.6 QUALITY ASSURANCE

A. Pigmented Structural Glass “Vitrolite” Specialist Qualifications: An experienced firm regularly engaged in specialty work similar in nature, materials, design, and extent to alteration work as specified in each Section and that has completed a minimum of five recent projects with a record of successful in-service performance that demonstrates the firm's qualifications to perform this work.

1. Field Supervisor Qualifications: Full-time supervisors experienced in specialty work similar in nature, material, design, and extent to that indicated for this Project. Supervisors shall be on-site when specialty work begins and during its progress. Supervisors shall not be changed during Project except for causes beyond the control of the specialist firm.

1.7 STORAGE AND HANDLING OF SALVAGED MATERIALS

A. Salvaged Materials:

1. Clean loose dirt and debris from salvaged items unless more extensive cleaning is indicated.
2. Pack or crate items after cleaning; cushion against damage during handling. Label contents of containers.
3. Store items in a secure area until delivery to Owner.
4. Transport items to Owner's storage area designated by Owner.
5. Protect items from damage during transport and storage.

B. Salvaged Materials for Reinstallation:

1. Repair and clean items for reuse as indicated.
2. Pack or crate items after cleaning and repairing; cushion against damage during handling. Label contents of containers.

3. Protect items from damage during transport and storage.
4. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment unless otherwise indicated. Provide connections, supports, and miscellaneous materials to make items functional for use indicated.

C. Existing Materials to Remain: Protect construction indicated to remain against damage and soiling from construction work. Where permitted by Architect, items may be dismantled and taken to a suitable, protected storage location during construction work and reinstalled in their original locations after alteration and other construction work in the vicinity is complete.

D. Storage: Catalog and store items within a weathertight enclosure where they are protected from moisture, weather, condensation, and freezing temperatures.

1. Identify each item for reinstallation with a nonpermanent mark to document its original location. Indicate original locations on plans, elevations, sections, or photographs by annotating the identifying marks.
2. Secure stored materials to protect from theft.
3. Control humidity so that it does not exceed 85 percent. Maintain temperatures 5 deg F (3 deg C) or more above the dew point.

E. Storage Space:

1. Owner will arrange for limited on-site location(s) for free storage of salvaged material. This storage space does not include security and climate control for stored material.
2. Arrange for off-site locations for storage and protection of salvaged material that cannot be stored and protected on-site.

1.8 FIELD CONDITIONS

A. Survey of Existing Conditions: Record existing conditions that affect the Work by use of measured drawings and preconstruction photographs.

B. Discrepancies: Notify Architect of discrepancies between existing conditions and Drawings before proceeding with removal and dismantling work.

C. Size Limitations in Existing Spaces: Materials, products, and equipment used for performing the Work and for transporting debris, materials, and products shall be of sizes that clear surfaces within existing spaces, areas, rooms, and openings, including temporary protection, by 12 inches or more.

PART 2 - PRODUCTS - (Not Used)

PART 3 - EXECUTION

3.1 PROTECTION

A. Protect persons, motor vehicles, surrounding surfaces of building, building site, plants, and surrounding buildings from harm resulting from alteration work.

1. Use only proven protection methods, appropriate to each area and surface being protected.
2. Provide temporary barricades, barriers, and directional signage to exclude the public from areas where alteration work is being performed.
3. Erect temporary barriers to form and maintain fire-egress routes.
4. Erect temporary protective covers over walkways and at points of pedestrian and vehicular entrance and exit that must remain in service during alteration work.
5. Contain dust and debris generated by alteration work, and prevent it from reaching the public or adjacent surfaces.
6. Provide shoring, bracing, and supports as necessary. Do not overload structural elements.
7. Protect floors and other surfaces along hauling routes from damage, wear, and staining.

B. Temporary Protection of Materials to Remain:

1. Protect existing materials with temporary protections and construction. Do not remove existing materials unless otherwise indicated.
2. Do not attach temporary protection to existing surfaces except as indicated as part of the alteration work program.

C. Comply with each product manufacturer's written instructions for protections and precautions. Protect against adverse effects of products and procedures on people and adjacent materials, components, and vegetation.

D. Utility and Communications Services:

1. Notify Owner, Architect, authorities having jurisdiction, and entities owning or controlling wires, conduits, pipes, and other services affected by alteration work before commencing operations.
2. Disconnect and cap pipes and services as required by authorities having jurisdiction, as required for alteration work.
3. Maintain existing services unless otherwise indicated; keep in service, and protect against damage during operations. Provide temporary services during interruptions to existing utilities.

E. Existing Drains: Prior to the start of work in an area, test drainage system to ensure that it is functioning properly. Notify Architect immediately of inadequate drainage or blockage. Do not begin work in an area until the drainage system is functioning properly.

1. Prevent solids such as adhesive or mortar residue or other debris from entering the drainage system. Clean out drains and drain lines that become sluggish or blocked by sand or other materials resulting from alteration work.
2. Protect drains from pollutants. Block drains or filter out sediments, allowing only clean water to pass.

F. Existing Roofing: Prior to the start of work in an area, install roofing protection.

3.2 PROTECTION DURING APPLICATION OF CHEMICALS

A. Protect motor vehicles, surrounding surfaces of building, building site, plants, and surrounding buildings from harm or spillage resulting from applications of chemicals and adhesives.

B. Cover adjacent surfaces with protective materials that are proven to resist chemicals selected for Project unless chemicals being used will not damage adjacent surfaces as indicated in alteration work program. Use covering materials and masking agents that are waterproof and UV resistant and that will not stain or leave residue on surfaces to which they are applied. Apply protective materials according to manufacturer's written instructions. Do not apply liquid masking agents or adhesives to painted or porous surfaces. When no longer needed, promptly remove protective materials.

C. Do not apply chemicals during winds of sufficient force to spread them to unprotected surfaces.

D. Neutralize alkaline and acid wastes and legally dispose of off Owner's property.

E. Collect and dispose of runoff from chemical operations by legal means and in a manner that prevents soil contamination, soil erosion, undermining of paving and foundations, damage to landscaping, or water penetration into building interior.

3.3 GENERAL ALTERATION WORK

A. Have specialty work performed only by qualified specialists.

B. Ensure that supervisory personnel are present when work begins and during its progress.

C. Record existing work before each procedure (preconstruction), and record progress during the work. Use digital preconstruction documentation photographs.

D. Perform surveys of Project site as the Work progresses to detect hazards resulting from alterations.

E. Notify Architect of visible changes in the integrity of material or components whether from environmental causes including biological attack, UV degradation, freezing, or thawing or from structural defects including cracks, movement, or distortion.

1. Do not proceed with the work in question until directed by Architect.

SECTION 01 40 00 - QUALITY REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for quality assurance and quality control.

B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.
   1. Specified tests, inspections, and related actions do not limit Contractor's other quality-assurance and -control procedures that facilitate compliance with the Contract Document requirements.
   2. Requirements for Contractor to provide quality-assurance and -control services required by Architect, Owner, or authorities having jurisdiction are not limited by provisions of this Section.

C. Related Sections:
   1. Divisions 02 through 49 Sections for specific test and inspection requirements.

1.2 DEFINITIONS

A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and substantiate that proposed construction will comply with requirements.

B. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that actual products incorporated into the Work and completed construction comply with requirements. Services do not include contract enforcement activities performed by Architect.

C. Mockups: Full size physical assemblies that are constructed on-site. Mockups are constructed to verify selections made under sample submittals; to demonstrate aesthetic effects and, where indicated, qualities of materials and execution; to review coordination, testing, or operation; to show interface between dissimilar materials; and to demonstrate compliance with specified installation tolerances. Mockups are not Samples. Unless otherwise indicated, approved mockups establish the standard by which the Work will be judged.
   1. Laboratory Mockups: Full-size, physical assemblies constructed at testing facility to verify performance characteristics.
   2. Integrated Exterior Mockups: Mockups of the exterior envelope constructed on-site as freestanding temporary built elements, consisting of multiple products, assemblies, and subassemblies, with cutaways enabling inspection of concealed portions of the Work.

      a. Include each system, assembly, component, and part of the exterior wall to be constructed for the Project. Colors of components shall be those selected by the Architect for use in the Project.

D. Preconstruction Testing: Tests and inspections performed specifically for the Project before products and materials are incorporated into the Work to verify performance or compliance with specified criteria.

E. Product Testing: Tests and inspections that are performed by an NRTL, an NVLAP, or a testing agency qualified to conduct product testing and acceptable to authorities having jurisdiction, to establish product performance and compliance with specified requirements.

F. Source Quality-Control Testing: Tests and inspections that are performed at the source, i.e., plant, mill, factory, or shop.

G. Field Quality-Control Testing: Tests and inspections that are performed on-site for installation of the Work and for completed Work.

H. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.

I. Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, Subcontractor, or Sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.
   1. Use of trade-specific terminology in referring to a trade or entity does not require that certain construction activities be performed by accredited or unionized individuals, or that requirements specified apply exclusively to specific trade or trades.

J. Experienced: When used with an entity or individual, "experienced" means having successfully completed a minimum of five previous projects similar in nature, size, and extent to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

1.3 CONFLICTING REQUIREMENTS

A. Referenced Standards: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer conflicting requirements that are different, but apparently equal, to Architect for a decision before proceeding.

B. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements. Refer uncertainties to Architect for a decision before proceeding.

1.4 ACTION SUBMITTALS

A. Mockup Shop Drawings: For integrated exterior mockups.

   1. Include plans, sections, elevations, and details, indicating materials and size of mockup construction.
   2. Indicate manufacturer and model number of individual components.
   3. Provide axonometric drawings for conditions difficult to illustrate in two dimensions.

1.5 INFORMATIONAL SUBMITTALS

A. Contractor's Statement of Responsibility: When required by authorities having jurisdiction, submit copy of written statement of responsibility sent to authorities having jurisdiction before starting work on the following systems.

1. Main wind-force resisting system or a wind-resisting component listed in the wind-force-resisting system quality assurance plan prepared by the Architect.

B. Testing Agency Qualifications: For testing agencies specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include proof of qualifications in the form of a recent report on the inspection of the testing agency by a recognized authority.

1.6 REPORTS AND DOCUMENTS

A. Test and Inspection Reports: Prepare and submit certified written reports specified in other Sections. Include the following:
1. Date of issue.
2. Project title and number.
3. Name, address, and telephone number of testing agency.
4. Dates and locations of samples and tests or inspections.
5. Names of individuals making tests and inspections.
6. Description of the Work and test and inspection method.
7. Identification of product and Specification Section.
8. Complete test or inspection data.
9. Test and inspection results and an interpretation of test results.
10. Record of temperature and weather conditions at time of sample taking and testing and inspecting.
11. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
12. Name and signature of laboratory inspector.
13. Recommendations on retesting and reinspecting.

B. Manufacturer's Field Reports: Prepare written information documenting tests and inspections specified in other Sections. Include the following:
1. Name, address, and telephone number of representative making report.
2. Statement on condition of substrates and their acceptability for installation of product.
3. Summary of installation procedures being followed, whether they comply with requirements and, if not, what corrective action was taken.
4. Results of operational and other tests and a statement of whether observed performance complies with requirements.
5. Other required items indicated in individual Specification Sections.

C. Permits, Licenses, and Certificates: For Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

1.7 QUALITY ASSURANCE

A. General: Qualifications paragraphs in this article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.

B. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

C. Fabricator Qualifications: A firm experienced in producing products similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.

D. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.

E. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or product that are similar to those indicated for this Project in material, design, and extent.

F. Specialists: Certain Specification Sections require that specific construction activities shall be performed by entities who are recognized experts in those operations. Specialists shall satisfy qualification requirements indicated and shall be engaged for the activities indicated.
   1. Requirements of authorities having jurisdiction shall supersede requirements for specialists.

G. Testing Agency Qualifications: An NRTL, an NVLAP, or an independent agency with the experience and capability to conduct testing and inspecting indicated, as documented according to ASTM E 329; and with additional qualifications specified in individual Sections; and where required by authorities having jurisdiction, that is acceptable to authorities.
   1. NRTL: A nationally recognized testing laboratory according to 29 CFR 1910.7.
   2. NVLAP: A testing agency accredited according to NIST's National Voluntary Laboratory Accreditation Program.

H. Manufacturer's Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

I. Preconstruction Testing: Where testing agency is indicated to perform preconstruction testing for compliance with specified requirements for performance and test methods, comply with the following:
   1. Contractor responsibilities include the following:
      a. Provide test specimens representative of proposed products and construction.
      b. Submit specimens in a timely manner with sufficient time for testing and analyzing results to prevent delaying the Work.
      c. Build laboratory mockups at testing facility using personnel, products, and methods of construction indicated for the completed Work.
      d. When testing is complete, remove test specimens, assemblies, mockups; do not reuse products on Project.
   2. Testing Agency Responsibilities: Submit a certified written report of each test, inspection, and similar quality-assurance service to Architect, with copy to Contractor. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the Contract Documents.

J. Mockups: Before installing portions of the Work requiring mockups, build mockups for each form of construction and finish required to comply with the following requirements, using materials indicated for the completed Work:
   1. Build mockups in location and of size indicated or, if not indicated, as directed by Architect.
   2. Notify Architect seven days in advance of dates and times when mockups will be constructed.
   3. Demonstrate the proposed range of aesthetic effects and workmanship.
   4. Obtain Architect's approval of mockups before starting work, fabrication, or construction.
      a. Allow seven days for initial review and each re-review of each mockup.
   5. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
   6. Demolish and remove mockups when directed, unless otherwise indicated.

1.8 QUALITY CONTROL

A. Owner Responsibilities: Where quality-control services are indicated as Owner's responsibility, Owner will engage a qualified testing agency to perform these services.
   1. Owner will furnish Contractor with names, addresses, and telephone numbers of testing agencies engaged and a description of types of testing and inspecting they are engaged to perform.
   2. Costs for retesting and re-inspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents will be charged to Contractor, and the Contract Sum will be adjusted by Change Order.

B. Contractor Responsibilities: Tests and inspections not explicitly assigned to Owner are Contractor's responsibility. Perform additional quality-control activities required to verify that the Work complies with requirements, whether specified or not.
   1. Where services are indicated as Contractor's responsibility, engage a qualified testing agency to perform these quality-control services.
      a. Contractor shall not employ same entity engaged by Owner, unless agreed to in writing by Owner.
   2. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
   3. Where quality-control services are indicated as Contractor's responsibility, submit a certified written report, in duplicate, of each quality-control service.
   4. Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility.
   5. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.

C. Manufacturer's Field Services: Where indicated, engage a manufacturer's representative to observe and inspect the Work. Manufacturer's representative's services include examination of substrates and conditions, verification of materials, inspection of completed portions of the Work, and submittal of written reports.

D. Retesting/Reinspecting: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality-control services, including retesting and reinspecting, for construction that replaced Work that failed to comply with the Contract Documents.

E. Testing Agency Responsibilities: Cooperate with Architect and Contractor in performance of duties. Provide qualified personnel to perform required tests and inspections.
   1. Notify Architect and Contractor promptly of irregularities or deficiencies observed in the Work during performance of its services.
   2. Determine the location from which test samples will be taken and in which in-situ tests are conducted.
   3. Conduct and interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
   4. Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service through Contractor.
   5. Do not release, revoke, alter, or increase the Contract Document requirements or approve or accept any portion of the Work.
   6. Do not perform any duties of Contractor.

F. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:
   1. Access to the Work.
   2. Incidental labor and facilities necessary to facilitate tests and inspections.

3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
4. Facilities for storage and field curing of test samples.
5. Delivery of samples to testing agencies.
6. Preliminary design mix proposed for use for material mixes that require control by testing agency.
7. Security and protection for samples and for testing and inspecting equipment at Project site.

G. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and -control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.
1. Schedule times for tests, inspections, obtaining samples, and similar activities.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 REPAIR AND PROTECTION

A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
1. Provide materials and comply with installation requirements specified in other Specification Sections or matching existing substrates and finishes. Restore patched areas and extend restoration into adjoining areas with durable seams that are as invisible as possible. Comply with the Contract Document requirements for cutting and patching in Division 01 Section "Execution."

B. Protect construction exposed by or for quality-control service activities.

C. Repair and protection are Contractor's responsibility, regardless of the assignment of responsibility for quality-control services.

END OF SECTION 01 40 00

SECTION 01 42 00 - REFERENCES

PART 1 - GENERAL

1.1 DEFINITIONS

A. General: Basic Contract definitions are included in the Conditions of the Contract.

B. "Approved": When used to convey Architect's action on Contractor's submittals, applications, and requests, "approved" is limited to Architect's duties and responsibilities as stated in the Conditions of the Contract.

C. "Directed": A command or instruction by Architect. Other terms including "requested," "authorized," "selected," "required," and "permitted" have the same meaning as "directed."

D. "Indicated": Requirements expressed by graphic representations or in written form on Drawings, in Specifications, and in other Contract Documents. Other terms including "shown," "noted," "scheduled," and "specified" have the same meaning as "indicated."

E. "Regulations": Laws, ordinances, statutes, and lawful orders issued by authorities having jurisdiction, and rules, conventions, and agreements within the construction industry that control performance of the Work.

F. "Furnish": Supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and similar operations.

G. "Install": Operations at Project site including unloading, temporarily storing, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.

H. "Provide": Furnish and install, complete and ready for the intended use.

I. "Project Site": Space available for performing construction activities. The extent of Project site is shown on Drawings and may or may not be identical with the description of the land on which Project is to be built.

1.2 INDUSTRY STANDARDS

A. Applicability of Standards: Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.

B. Publication Dates: Comply with standards in effect as of date of the Contract Documents unless otherwise indicated.

C. Copies of Standards: Each entity engaged in construction on Project should be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents.
   1. Where copies of standards are needed to perform a required construction activity, obtain copies directly from publication source.

1.3 ABBREVIATIONS AND ACRONYMS

A. Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities indicated in Thomson Gale's "Encyclopedia of Associations" or in Columbia Books' "National Trade & Professional Associations of the U.S."

B. Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list.

AA	Aluminum Association, Inc. (The)
AAADM	American Association of Automatic Door Manufacturers
AABC	Associated Air Balance Council
AAMA	American Architectural Manufacturers Association
AASHTO	American Association of State Highway and Transportation Officials
AATCC	American Association of Textile Chemists and Colorists
ABAA	Air Barrier Association of America
ABMA	American Bearing Manufacturers Association
ACI	American Concrete Institute
ACPA	American Concrete Pipe Association
AEIC	Association of Edison Illuminating Companies, Inc. (The)
AF&PA	American Forest & Paper Association
AGA	American Gas Association
AGC	Associated General Contractors of America (The)
AHA	American Hardboard Association (Now part of CPA)
AHAM	Association of Home Appliance Manufacturers
AI	Asphalt Institute
AIA	American Institute of Architects (The)
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
AITC	American Institute of Timber Construction
ALCA	Associated Landscape Contractors of America (Now PLANET - Professional Landcare Network)

ALSC	American Lumber Standard Committee, Incorporated
AMCA	Air Movement and Control Association International, Inc.
ANSI	American National Standards Institute
AOSA	Association of Official Seed Analysts, Inc.
APA	Architectural Precast Association
APA	APA - The Engineered Wood Association
APA EWS	APA - The Engineered Wood Association; Engineered Wood Systems (See APA - The Engineered Wood Association)
API	American Petroleum Institute
ARI	Air-Conditioning & Refrigeration Institute
ARMA	Asphalt Roofing Manufacturers Association
ASCE	American Society of Civil Engineers
ASCE/SEI	American Society of Civil Engineers/Structural Engineering Institute (See ASCE)
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASME	ASME International (American Society of Mechanical Engineers International)
ASSE	American Society of Sanitary Engineering
ASTM	ASTM International (American Society for Testing and Materials International)
AWCI	Association of the Wall and Ceiling Industry
AWCMA	American Window Covering Manufacturers Association (Now WCMA)
AWI	Architectural Woodwork Institute
AWPA	American Wood Protection Association (Formerly: American Wood Preservers' Association)
AWS	American Welding Society
AWWA	American Water Works Association
BHMA	Builders Hardware Manufacturers Association
BIA	Brick Industry Association (The)
BICSI	BICSI, Inc.

BIFMA	BIFMA International (Business and Institutional Furniture Manufacturer's Association International)
BISSC	Baking Industry Sanitation Standards Committee
BWF	Badminton World Federation (Formerly: IBF - International Badminton Federation)
CCC	Carpet Cushion Council
CDA	Copper Development Association
CEA	Canadian Electricity Association
CEA	Consumer Electronics Association
CFFA	Chemical Fabrics & Film Association, Inc.
CGA	Compressed Gas Association
CIMA	Cellulose Insulation Manufacturers Association
CISCA	Ceilings & Interior Systems Construction Association
CISPI	Cast Iron Soil Pipe Institute
CLFMI	Chain Link Fence Manufacturers Institute
CRRC	Cool Roof Rating Council
CPA	Composite Panel Association
CPPA	Corrugated Polyethylene Pipe Association
CRI	Carpet and Rug Institute (The)
CRSI	Concrete Reinforcing Steel Institute
CSA	Canadian Standards Association
CSA	CSA International (Formerly: IAS - International Approval Services)
CSI	Cast Stone Institute
CSI	Construction Specifications Institute (The)
CSSB	Cedar Shake & Shingle Bureau
CTI	Cooling Technology Institute (Formerly: Cooling Tower Institute)
DHI	Door and Hardware Institute
EIA	Electronic Industries Alliance

EIMA	EIFS Industry Members Association
EJCDC	Engineers Joint Contract Documents Committee
EJMA	Expansion Joint Manufacturers Association, Inc.
ESD	ESD Association (Electrostatic Discharge Association)
ETL SEMCO	Intertek ETL SEMCO (Formerly: ITS - Intertek Testing Service NA)
FIBA	Federation Internationale de Basketball (The International Basketball Federation)
FIVB	Federation Internationale de Volleyball (The International Volleyball Federation)
FM Approvals	FM Approvals LLC
FM Global	FM Global (Formerly: FMG - FM Global)
FMRC	Factory Mutual Research (Now FM Global)
FRSA	Florida Roofing, Sheet Metal & Air Conditioning Contractors Association, Inc.
FSA	Fluid Sealing Association
FSC	Forest Stewardship Council
GA	Gypsum Association
GANA	Glass Association of North America
GRI	(Part of GSI)
GS	Green Seal
GSI	Geosynthetic Institute
HI	Hydraulic Institute
HI	Hydronics Institute
HMMA	Hollow Metal Manufacturers Association (Part of NAAMM)
HPVA	Hardwood Plywood & Veneer Association
HPW	H. P. White Laboratory, Inc.
IAS	International Approval Services (Now CSA International)

IBF	International Badminton Federation (Now BWF)
ICEA	Insulated Cable Engineers Association, Inc.
ICRI	International Concrete Repair Institute, Inc.
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronics Engineers, Inc. (The)
IESNA	Illuminating Engineering Society of North America
IEST	Institute of Environmental Sciences and Technology
IGCC	Insulating Glass Certification Council
IGMA	Insulating Glass Manufacturers Alliance
ILI	Indiana Limestone Institute of America, Inc.
ISO	International Organization for Standardization Available from ANSI
ISSFA	International Solid Surface Fabricators Association
ITS	Intertek Testing Service NA (Now ETL SEMCO)
ITU	International Telecommunication Union
KCMA	Kitchen Cabinet Manufacturers Association
LMA	Laminating Materials Association (Now part of CPA)
LPI	Lightning Protection Institute
MBMA	Metal Building Manufacturers Association
MFMA	Maple Flooring Manufacturers Association, Inc.
MFMA	Metal Framing Manufacturers Association, Inc.
MH	Material Handling (Now MHIA)
MHIA	Material Handling Industry of America
MIA	Marble Institute of America
MPI	Master Painters Institute
MSS	Manufacturers Standardization Society of The Valve and Fittings Industry Inc.

NAAMM	National Association of Architectural Metal Manufacturers
NACE	NACE International (National Association of Corrosion Engineers International)
NADCA	National Air Duct Cleaners Association
NAGWS	National Association for Girls and Women in Sport
NAIMA	North American Insulation Manufacturers Association
NBGQA	National Building Granite Quarries Association, Inc.
NCAA	National Collegiate Athletic Association (The)
NCMA	National Concrete Masonry Association
NCPI	National Clay Pipe Institute
NCTA	National Cable & Telecommunications Association
NEBB	National Environmental Balancing Bureau
NECA	National Electrical Contractors Association
NeLMA	Northeastern Lumber Manufacturers' Association
NEMA	National Electrical Manufacturers Association
NETA	InterNational Electrical Testing Association
NFHS	National Federation of State High School Associations
NFPA	NFPA (National Fire Protection Association)
NFRC	National Fenestration Rating Council
NGA	National Glass Association
NHLA	National Hardwood Lumber Association
NLGA	National Lumber Grades Authority
NOFMA	NOFMA: The Wood Flooring Manufacturers Association (Formerly: National Oak Flooring Manufacturers Association)
NOMMA	National Ornamental & Miscellaneous Metals Association
NRCA	National Roofing Contractors Association
NRMCA	National Ready Mixed Concrete Association
NSF	NSF International (National Sanitation Foundation International)

NSSGA	National Stone, Sand & Gravel Association
NTMA	National Terrazzo & Mosaic Association, Inc. (The)
NTRMA	National Tile Roofing Manufacturers Association (Now TRI)
NWWDA	National Wood Window and Door Association (Now WDMA)
OPL	Omega Point Laboratories, Inc. (Now ITS)
PCI	Precast/Prestressed Concrete Institute
PDCA	Painting & Decorating Contractors of America
PDI	Plumbing & Drainage Institute
PGI	PVC Geomembrane Institute
PLANET	Professional Landcare Network (Formerly: ACLA - Associated Landscape Contractors of America)
PTI	Post-Tensioning Institute
RCSC	Research Council on Structural Connections
RFCI	Resilient Floor Covering Institute
RIS	Redwood Inspection Service
SAE	SAE International
SDI	Steel Deck Institute
SDI	Steel Door Institute
SEFA	Scientific Equipment and Furniture Association
SEI/ASCE	Structural Engineering Institute/American Society of Civil Engineers (See ASCE)
SGCC	Safety Glazing Certification Council
SIA	Security Industry Association
SIGMA	Sealed Insulating Glass Manufacturers Association (Now IGMA)
SJI	Steel Joist Institute
SMA	Screen Manufacturers Association
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association

SMPTE	Society of Motion Picture and Television Engineers
SPFA	Spray Polyurethane Foam Alliance (Formerly: SPI/SPFD - The Society of the Plastics Industry, Inc.; Spray Polyurethane Foam Division)
SPIB	Southern Pine Inspection Bureau (The)
SPRI	Single Ply Roofing Industry
SSINA	Specialty Steel Industry of North America
SSPC	SSPC: The Society for Protective Coatings
STI	Steel Tank Institute
SWI	Steel Window Institute
SWRI	Sealant, Waterproofing, & Restoration Institute
TCA	Tile Council of America, Inc. (Now TCNA)
TCNA	Tile Council of North America, Inc.
TIA/EIA	Telecommunications Industry Association/Electronic Industries Alliance
TMS	The Masonry Society
TPI	Truss Plate Institute, Inc.
TPI	Turfgrass Producers International
TRI	Tile Roofing Institute
UL	Underwriters Laboratories Inc.
UNI	Uni-Bell PVC Pipe Association
USAV	USA Volleyball
USGBC	U.S. Green Building Council
USITT	United States Institute for Theatre Technology, Inc.
WASTEC	Waste Equipment Technology Association
WCLIB	West Coast Lumber Inspection Bureau
WCMA	Window Covering Manufacturers Association
WCSC	Window Covering Safety Council (Formerly: WCMA - Window Covering Manufacturers Association)
WDMA	Window & Door Manufacturers Association

	(Formerly: NWWDA - National Wood Window and Door Association)
WI	Woodwork Institute (Formerly: WIC - Woodwork Institute of California)
WIC	Woodwork Institute of California (Now WI)
WMMPA	Wood Moulding & Millwork Producers Association
WSRCA	Western States Roofing Contractors Association
WWPA	Western Wood Products Association

C. Code Agencies: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list.

IAPMO	International Association of Plumbing and Mechanical Officials
ICC	International Code Council
ICC-ES	ICC Evaluation Service, Inc.

D. Federal Government Agencies: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities in the following list. Names, telephone numbers, and Web sites are subject to change and are believed to be accurate and up-to-date as of the date of the Contract Documents.

CE	Army Corps of Engineers
CPSC	Consumer Product Safety Commission
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
EPA	Environmental Protection Agency
FAA	Federal Aviation Administration
FCC	Federal Communications Commission
FDA	Food and Drug Administration
GSA	General Services Administration
HUD	Department of Housing and Urban Development
LBL	Lawrence Berkeley National Laboratory
NCHRP	National Cooperative Highway Research Program (See TRB)

NIST	National Institute of Standards and Technology
OSHA	Occupational Safety & Health Administration
PBS	Public Buildings Service (See GSA)
PHS	Office of Public Health and Science
RUS	Rural Utilities Service (See USDA)
SD	State Department
TRB	Transportation Research Board
USDA	Department of Agriculture
USPS	Postal Service

E. Standards and Regulations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the standards and regulations in the following list. Names, telephone numbers, and Web sites are subject to change and are believed to be accurate and up-to-date as of the date of the Contract Documents.

ADAAG	Americans with Disabilities Act (ADA) Architectural Barriers Act (ABA) Accessibility Guidelines for Buildings and Facilities Available from U.S. Access Board
CFR	Code of Federal Regulations Available from Government Printing Office
DOD	Department of Defense Military Specifications and Standards Available from Department of Defense Single Stock Point
DSCC	Defense Supply Center Columbus (See FS)
FED-STD	Federal Standard (See FS)
FS	Federal Specification Available from Department of Defense Single Stock Point Available from Defense Standardization Program Available from General Services Administration Available from National Institute of Building Sciences
FTMS	Federal Test Method Standard (See FS)
MIL	(See MILSPEC)

MIL-STD	(See MILSPEC)
MILSPEC	Military Specification and Standards Available from Department of Defense Single Stock Point
UFAS	Uniform Federal Accessibility Standards Available from Access Board

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 42 00

SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.

B. Related Section:
1. Division 01 Section "Summary" for work restrictions and limitations on utility interruptions.

1.2 USE CHARGES

A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated. Allow other entities engaged in the Project to use temporary services and facilities without cost, including, but not limited to, Owner's construction forces, Architect, testing agencies, and authorities having jurisdiction.

1.3 INFORMATIONAL SUBMITTALS

A. Site Utilization Plan: Show temporary facilities, utility hookups, staging areas, and parking areas for construction personnel.

B. Erosion- and Sedimentation-Control Plan: Show compliance with requirements of EPA Construction General Permit or authorities having jurisdiction, whichever is more stringent.

C. Project Identification and Temporary Signs: Show fabrication and installation details, including plans, elevations, details, layouts, typestyles, graphic elements, and message content.

D. Fire-Safety Program: Show compliance with requirements of NFPA 241 and authorities having jurisdiction. Indicate Contractor personnel responsible for management of fire-prevention program.

1.4 QUALITY ASSURANCE

A. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.

B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.

1.5 PROJECT CONDITIONS

A. Temporary Use of Permanent Facilities: Engage installer of each permanent service to assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Portable Chain-Link Fencing: Minimum 50-mm (2-inch), 3.8-mm- (0.148-inch-) thick, galvanized steel, chain-link fabric fencing; minimum 1.8 m (6 feet) high with galvanized steel pipe posts; minimum 60-mm- (2-3/8-inch-) OD line posts and 73-mm- (2-7/8-inch-) OD corner and pull posts, with 42-mm- (1-5/8-inch-) OD top and bottom rails. Provide concrete bases for supporting posts.

2.2 TEMPORARY FACILITIES

A. Field Offices, General: Prefabricated or mobile units with serviceable finishes, temperature controls, and foundations adequate for normal loading.

B. Common-Use Field Office: Of sufficient size to accommodate needs of Owner, Architect and construction personnel office activities and to accommodate project meetings specified in other Division 01 Sections. Keep office clean and orderly.

C. Storage and Fabrication Sheds: Provide sheds sized, furnished, and equipped to accommodate materials and equipment for construction operations.

2.3 EQUIPMENT

A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
   1. Locate facilities to limit site disturbance as specified in Division 01 Section "Summary."

B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.2 TEMPORARY UTILITY INSTALLATION

A. General: Install temporary service or connect to existing service.
   1. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.

B. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.

A. Electric Power Service: Provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for construction operations.

B. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions.
   1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.

C. Telephone Service: Provide temporary telephone service in common-use facilities for use by all construction personnel. Install one telephone line(s) for each field office.
   1. At each telephone, post a list of important telephone numbers.
      a. Police and fire departments.
      b. Ambulance service.
      c. Contractor's home office.
      d. Architect's office.
      e. Engineers' offices.
      f. Owner's office.
      g. Principal subcontractors' field and home offices.
   2. Provide superintendent with cellular telephone or portable two-way radio for use when away from field office.

3.3 SUPPORT FACILITIES INSTALLATION

A. General: Comply with the following:
   1. Provide construction for temporary offices, shops, and sheds located within construction area or within 9 m (30 feet) of building lines that is noncombustible according to ASTM E 136. Comply with NFPA 241.
   2. Maintain support facilities until Architect schedules Substantial Completion inspection. Remove before Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to Owner.

B. Traffic Controls: Comply with requirements of authorities having jurisdiction.
   1. Protect existing site improvements to remain including curbs, pavement, and utilities.
   2. Maintain access for fire-fighting equipment and access to fire hydrants.

C. Parking: Use designated areas of Owner's existing parking areas for construction personnel.

D. Project Signs: Provide Project signs as indicated. Unauthorized signs are not permitted.
   1. Identification Signs: Provide Project identification signs.
   2. Temporary Signs: Provide other signs as indicated and as required to inform public and individuals seeking entrance to Project.
      a. Provide temporary, directional signs for construction personnel and visitors.
   3. Maintain and touchup signs so they are legible at all times.

E. Waste Disposal Facilities: Comply with requirements specified in Division 01 Section "Construction Waste Management and Disposal."

F. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with Division 01 Section "Execution" for progress cleaning requirements.

G. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
   1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.

3.4 SECURITY AND PROTECTION FACILITIES INSTALLATION

A. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.

B. Temporary Erosion and Sedimentation Control: Provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to undisturbed areas and to adjacent properties and walkways, according to requirements of 2003 EPA Construction General Permit or authorities having jurisdiction, whichever is more stringent.

C. Pest Control: Engage pest-control service to recommend practices to minimize attraction and harboring of rodents, roaches, and other pests and to perform extermination and control procedures at regular intervals so Project will be free of pests and their residues at Substantial Completion. Obtain extended warranty for Owner. Perform control operations lawfully, using environmentally safe materials.

D. Site Enclosure Fence: Before construction operations begin, furnish and install site enclosure fence in a manner that will prevent people and animals from easily entering site except by entrance gates.
   1. Extent of Fence: As required to enclose entire Project site or portion determined sufficient to accommodate construction operations.
   2. Maintain security by limiting number of keys and restricting distribution to authorized personnel.

E. Security Enclosure and Lockup: Install temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security. Lock entrances at end of each work day.

F. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.

G. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities. Provide temporary weathertight enclosure for building exterior.
   1. Where heating or cooling is needed and permanent enclosure is not complete, insulate temporary enclosures.

H. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241.
   1. Prohibit smoking in construction areas.
   2. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.
   3. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.

3.5 MOISTURE AND MOLD CONTROL

A. Contractor's Moisture Protection Plan: Avoid trapping water in finished work. Document visible signs of mold that may appear during construction.

B. Exposed Construction Phase: Before installation of weather barriers, when materials are subject to wetting and exposure and to airborne mold spores, protect materials from water damage and keep porous and organic materials from coming into prolonged contact with concrete.

C. Partially Enclosed Construction Phase: After installation of weather barriers but before full enclosure and conditioning of building, when installed materials are still subject to infiltration of moisture and ambient mold spores, protect as follows:
1. Do not load or install drywall or other porous materials or components, or items with high organic content, into partially enclosed building.
2. Keep interior spaces reasonably clean and protected from water damage.
3. Discard or replace water-damaged and wet material.
4. Discard, replace or clean stored or installed material that begins to grow mold.
5. Perform work in a sequence that allows any wet materials adequate time to dry before enclosing the material in drywall or other interior finishes.

D. Controlled Construction Phase of Construction: After completing and sealing of the building enclosure but prior to the full operation of permanent HVAC systems, maintain as follows:
1. Control moisture and humidity inside building by maintaining effective dry-in conditions.
2. Remove materials that can not be completely restored to their manufactured moisture level within 48 hours.

3.6 OPERATION, TERMINATION, AND REMOVAL

A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.

B. Maintenance: Maintain facilities in good operating condition until removal.
1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.

C. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.

D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.
1. Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.
2. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period. Comply with final cleaning requirements specified in Division 01 Section "Closeout Procedures."

END OF SECTION 01 50 00

SECTION 01 60 00 - PRODUCT REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for selection of products for use in Project; product delivery, storage, and handling; manufacturers' standard warranties on products; special warranties; and comparable products.

B. Related Section:
1. Section 012300 "Alternates" for products selected under an alternate.
2. Section 012500 "Substitution Procedures" for requests for substitutions.
3. Section 014200 "References" for applicable industry standards for products specified.
4. Section 01770 "Closeout Procedures" for submitting warranties.

1.2 DEFINITIONS

A. Products: Items obtained for incorporating into the Work, whether purchased for Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.
1. Named Products: Items identified by manufacturer's product name, including make or model number or other designation shown or listed in manufacturer's published product literature, that is current as of date of the Contract Documents.
2. New Products: Items that have not previously been incorporated into another project or facility. Products salvaged or recycled from other projects are not considered new products.
3. Comparable Product: Product that is demonstrated and approved through submittal process to have the indicated qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics that equal or exceed those of specified product.

B. Basis-of-Design Product Specification: A specification in which a specific manufacturer's product is named and accompanied by the words "basis-of-design product," including make or model number or other designation, to establish the significant qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics for purposes of evaluating comparable products of additional manufacturers named in the specification.

1.3 ACTION SUBMITTALS

A. Comparable Product Requests: Submit request for consideration of each comparable product. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
1. Architect's Action: If necessary, Architect will request additional information or documentation for evaluation within one week of receipt of a comparable product request. Architect will notify Contractor of approval or rejection of proposed comparable product request within 15 days of receipt of request, or seven days of receipt of additional information or documentation, whichever is later.
a. Form of Approval: As specified in Division 01 Section "Submittal Procedures."

b. Use product specified if Architect does not issue a decision on use of a comparable product request within time allocated.

B. Basis-of-Design Product Specification Submittal: Comply with requirements in Division 01 Section "Submittal Procedures." Show compliance with requirements.

1.4 QUALITY ASSURANCE

A. Compatibility of Options: If Contractor is given option of selecting between two or more products for use on Project, select product compatible with products previously selected, even if previously selected products were also options.

1. Resolution of Compatibility Disputes between Multiple Contractors:

a. Contractors are responsible for providing products and construction methods compatible with products and construction methods of other contractors.
b. If a dispute arises between the multiple contractors over concurrently selectable but incompatible products, Architect will determine which products shall be used.

1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft and vandalism. Comply with manufacturer's written instructions.

B. Delivery and Handling:
1. Schedule delivery to minimize long-term storage at Project site and to prevent overcrowding of construction spaces.
2. Coordinate delivery with installation time to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other losses.
3. Deliver products to Project site in an undamaged condition in manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting, and installing.
4. Inspect products on delivery to determine compliance with the Contract Documents and to determine that products are undamaged and properly protected.

C. Storage:

1. Provide a secure location and enclosure at Project site for storage of materials and equipment.
2. Store products to allow for inspection and measurement of quantity or counting of units.
3. Store materials in a manner that will not endanger Project structure.
4. Store products that are subject to damage by the elements, under cover in a weathertight enclosure above ground, with ventilation adequate to prevent condensation.
5. Store foam plastic from exposure to sunlight, except to extent necessary for period of installation and concealment.
6. Comply with product manufacturer's written instructions for temperature, humidity, ventilation, and weather-protection requirements for storage.
7. Protect stored products from damage and liquids from freezing.

1.6 PRODUCT WARRANTIES

A. Warranties specified in other Sections shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents.
   1. Manufacturer's Warranty: Written warranty furnished by individual manufacturer for a particular product and specifically endorsed by manufacturer to Owner.
   2. Special Warranty: Written warranty required by the Contract Documents to provide specific rights for Owner.

B. Special Warranties: Prepare a written document that contains appropriate terms and identification, ready for execution.
   1. Manufacturer's Standard Form: Modified to include Project-specific information and properly executed.
   2. Specified Form: When specified forms are included with the Specifications, prepare a written document using indicated form properly executed.
   3. Refer to Divisions 02 through 49. Sections for specific content requirements and particular requirements for submitting special warranties.

C. Submittal Time: Comply with requirements in Division 01 Section "Closeout Procedures."

PART 2 - PRODUCTS

2.1 PRODUCT SELECTION PROCEDURES

A. General Product Requirements: Provide products that comply with the Contract Documents, are undamaged and, unless otherwise indicated, are new at time of installation.
   1. Provide products complete with accessories, trim, finish, fasteners, and other items needed for a complete installation and indicated use and effect.
   2. Standard Products: If available, and unless custom products or nonstandard options are specified, provide standard products of types that have been produced and used successfully in similar situations on other projects.
   3. Owner reserves the right to limit selection to products with warranties not in conflict with requirements of the Contract Documents.
   4. Where products are accompanied by the term "as selected," Architect will make selection.
   5. Descriptive, performance, and reference standard requirements in the Specifications establish salient characteristics of products.
   6. Or Equal: For products specified by name and accompanied by the term "or equal," "or approved equal," or "or approved," comply with requirements in "Comparable Products" Article to obtain approval for use of an unnamed product.

      a. Submit additional documentation required by Architect in order to establish equivalency of proposed products. Unless otherwise indicated, evaluation of "or equal" product status is by the Architect, whose determination is final.

B. Product Selection Procedures:
   1. Product: Where Specifications name a single manufacturer and product, provide the named product that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be considered.
   2. Manufacturer/Source: Where Specifications name a single manufacturer or source, provide a product by the named manufacturer or source that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be considered.
   3. Products:

a. Restricted List: Where Specifications include a list of names of both manufacturers and products, provide one of the products listed that complies with requirements. Comparable products or substitutions for Contractor's convenience will not be considered.
b. Nonrestricted List: Where Specifications include a list of names of both available manufacturers and products, provide one of the products listed, or an unnamed product, that complies with requirements. Comply with requirements in "Comparable Products" Article for consideration of an unnamed product.

4. Manufacturers:
a. Restricted List: Where Specifications include a list of manufacturers' names, provide a product by one of the manufacturers listed that complies with requirements. Comparable products or substitutions for Contractor's convenience will no] be considered.
b. Nonrestricted List: Where Specifications include a list of available manufacturers, provide a product by one of the manufacturers listed, or a product by an unnamed manufacturer, that complies with requirements. Comply with requirements in "Comparable Products" Article for consideration of an unnamed manufacturer's product.

5. Basis-of-Design Product: Where Specifications name a product, or refer to a product indicated on Drawings, and include a list of manufacturers, provide the specified or indicated product or a comparable product by one of the other named manufacturers. Drawings and Specifications indicate sizes, profiles, dimensions, and other characteristics that are based on the product named. Comply with requirements in "Comparable Products" Article for consideration of an unnamed product by one of the other named manufacturers.

C. Visual Matching Specification: Where Specifications require "match Architect's sample", provide a product that complies with requirements and matches Architect's sample. Architect's decision will be final on whether a proposed product matches.
1. If no product available within specified category matches and complies with other specified requirements, comply with requirements in Division 01 Section "Substitution Procedures" for proposal of product.

D. Visual Selection Specification: Where Specifications include the phrase "as selected by Architect from manufacturer's full range" or similar phrase, select a product that complies with requirements. Architect will select color, gloss, pattern, density, or texture from manufacturer's product line that includes both standard and premium items.

2.2 COMPARABLE PRODUCTS

A. Conditions for Consideration: Architect will consider Contractor's request for comparable product when the following conditions are satisfied. If the following conditions are not satisfied, Architect may return requests without action, except to record noncompliance with these requirements:
1. Evidence that the proposed product does not require revisions to the Contract Documents, that it is consistent with the Contract Documents and will produce the indicated results, and that it is compatible with other portions of the Work.
2. Detailed comparison of significant qualities of proposed product with those named in the Specifications. Significant qualities include attributes such as performance, weight, size, durability, visual effect, and specific features and requirements indicated.
3. Evidence that proposed product provides specified warranty.
4. List of similar installations for completed projects with project names and addresses and names and addresses of architects and owners, if requested.
5. Samples, if requested.

SECTION 01 73 00 - EXECUTION

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes general administrative and procedural requirements governing execution of the Work including, but not limited to, the following:

1. Construction layout.
2. Field engineering and surveying.
3. Installation of the Work.
4. Cutting and patching.
5. Coordination of Owner-installed products.
6. Progress cleaning.
7. Starting and adjusting.
8. Protection of installed construction.
9. Correction of the Work.

B. Related Sections:

1. Division 01 Section "Closeout Procedures" for submitting final property survey with Project Record Documents, recording of Owner-accepted deviations from indicated lines and levels, and final cleaning.

1.2 QUALITY ASSURANCE

A. Cutting and Patching: Comply with requirements for and limitations on cutting and patching of construction elements.

1. Structural Elements: When cutting and patching structural elements, notify Architect of locations and details of cutting and await directions from the Architect before proceeding. Shore, brace, and support structural element during cutting and patching. Do not cut and patch structural elements in a manner that could change their load-carrying capacity or increase deflection

a. Operational Elements: Do not cut and patch operating elements and related components in a manner that results in reducing their capacity to perform as intended or that results in increased maintenance or decreased operational life or safety. Operational elements include, but are not limited to, primary operational systems and equipment, fire separation assemblies, air or smoke barriers, fire-suppression systems, plumbing piping systems, mechanical systems piping and ducts, control systems, communication systems, fire detection and alarm systems, conveying systems, electrical wiring systems, and operating systems of special construction.

b. Other Construction Elements: Do not cut and patch other construction elements or components in a manner that could change their load-carrying capacity, that results in reducing their capacity to perform as intended, or that results in increased maintenance or decreased operational life or safety. These include but are not limited to, water, moisture, or vapor barriers, membranes and flashings, exterior

curtain-wall construction, sprayed fire-resistive material, equipment supports, piping, ductwork, vessels, and equipment, noise- and vibration-control elements and systems.

2. Visual Elements: Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Do not cut and patch exposed construction in a manner that would, in Architect's opinion, reduce the building's aesthetic qualities. Remove and replace construction that has been cut and patched in a visually unsatisfactory manner.

1.3 WARRANTY

A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during installation or cutting and patching operations, by methods and with materials so as not to void existing warranties.

PART 2 - PRODUCTS

2.1 MATERIALS

A. General: Comply with requirements specified in other Sections.

B. In-Place Materials: Use materials for patching identical to in-place materials. For exposed surfaces, use materials that visually match in-place adjacent surfaces to the fullest extent possible.

1. If identical materials are unavailable or cannot be used, use materials that, when installed, will provide a match acceptable to the Architect for the visual and functional performance of in-place materials.

C. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Existing Conditions: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning sitework, investigate and verify the existence and location of underground utilities, mechanical and electrical systems, and other construction affecting the Work.

B. Examination and Acceptance of Conditions: Before proceeding with each component of the Work, examine substrates, areas, and conditions, with Installer or Applicator present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.

1. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.

2. Examine roughing-in for mechanical and electrical systems to verify actual locations of connections before equipment and fixture installation.
3. Examine walls, floors, and roofs for suitable conditions where products and systems are to be installed.
4. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Field Measurements: Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

B. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.

C. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents caused by differing field conditions outside the control of the Contractor, submit a request for information to Architect according to requirements in Division 01 Section "Project Management and Coordination."

3.3 INSTALLATION

A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.

1. Make vertical work plumb and make horizontal work level.
2. Where space is limited, install components to maximize space available for maintenance and ease of removal for replacement.
3. Conceal pipes, ducts, and wiring in finished areas, unless otherwise indicated.

B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.

C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.

D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.

E. Tools and Equipment: Do not use tools or equipment that produce harmful noise levels.

F. Templates: Obtain and distribute to the parties involved templates for work specified to be factory prepared and field installed. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing products to comply with indicated requirements.

G. Attachment: Provide blocking and attachment plates and anchors and fasteners of adequate size and number to securely anchor each component in place, accurately located and aligned with other portions of the Work. Where size and type of attachments are not indicated, verify size and type required for load conditions.

1. Mounting Heights: Where mounting heights are not indicated, mount components at heights directed by Architect.
2. Allow for building movement, including thermal expansion and contraction.
3. Coordinate installation of anchorages. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

H. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.

I. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.

3.4 CUTTING AND PATCHING

A. Cutting and Patching, General: Employ skilled workers to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time, and complete without delay.

1. Cut in-place construction to provide for installation of other components or performance of other construction, and subsequently patch as required to restore surfaces to their original condition.

B. Temporary Support: Provide temporary support of work to be cut.

C. Protection: Protect in-place construction during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of Project that might be exposed during cutting and patching operations.

D. Existing Utility Services and Mechanical/Electrical Systems: Where existing services/systems are required to be removed, relocated, or abandoned, bypass such services/systems before cutting to prevent interruption to occupied areas.

E. Cutting: Cut in-place construction by sawing, drilling, breaking, chipping, grinding, and similar operations, including excavation, using methods least likely to damage elements retained or adjoining construction. If possible, review proposed procedures with original Installer; comply with original Installer's written recommendations.

1. In general, use hand or small power tools designed for sawing and grinding, not hammering and chopping. Cut holes and slots neatly to minimum size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
2. Finished Surfaces: Cut or drill from the exposed or finished side into concealed surfaces.
3. Concrete and Masonry: Cut using a cutting machine, such as an abrasive saw or a diamond-core drill.
4. Excavating and Backfilling: Comply with requirements in applicable Division 31 Sections where required by cutting and patching operations.
5. Mechanical and Electrical Services: Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal remaining portion of pipe or conduit to prevent entrance of moisture or other foreign matter after cutting.
6. Proceed with patching after construction operations requiring cutting are complete.

F. Patching: Patch construction by filling, repairing, refinishing, closing up, and similar operations following performance of other work. Patch with durable seams that are as invisible as

practicable. Provide materials and comply with installation requirements specified in other Sections, where applicable.

1. Inspection: Where feasible, test and inspect patched areas after completion to demonstrate physical integrity of installation.
2. Exposed Finishes: Restore exposed finishes of patched areas and extend finish restoration into retained adjoining construction in a manner that will minimize evidence of patching and refinishing.
3. Floors and Walls: Where walls or partitions that are removed extend one finished area into another, patch and repair floor and wall surfaces in the new space. Provide an even surface of uniform finish, color, texture, and appearance. Remove in-place floor and wall coverings and replace with new materials, if necessary, to achieve uniform color and appearance.
4. Ceilings: Patch, repair, or rehang in-place ceilings as necessary to provide an even-plane surface of uniform appearance.
5. Exterior Building Enclosure: Patch components in a manner that restores enclosure to a weathertight condition.

G. Cleaning: Clean areas and spaces where cutting and patching are performed. Remove paint, mortar, oils, putty, and similar materials from adjacent finished surfaces.

3.5 PROGRESS CLEANING

A. General: Clean Project site and work areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.

1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
2. Do not hold waste materials more than seven days during normal weather or three days if the temperature is expected to rise above 80 deg F (27 deg C).
3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.

B. Site: Maintain Project site free of waste materials and debris.

C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.

1. Remove liquid spills promptly.
2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.

D. Installed Work: Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.

E. Concealed Spaces: Remove debris from concealed spaces before enclosing the space.

F. Exposed Surfaces in Finished Areas: Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.

G. Waste Disposal: Do not bury or burn waste materials on-site. Do not wash waste materials down sewers or into waterways.

H. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.

I. Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to ensure operability without damaging effects.

J. Limiting Exposures: Supervise construction operations to assure that no part of the construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

3.6 STARTING AND ADJUSTING

A. Start equipment and operating components to confirm proper operation. Remove malfunctioning units, replace with new units, and retest.

B. Adjust equipment for proper operation. Adjust operating components for proper operation without binding.

C. Test each piece of equipment to verify proper operation. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

D. Manufacturer's Field Service: Comply with qualification requirements in Division 01 Section "Quality Requirements."

3.7 PROTECTION OF INSTALLED CONSTRUCTION

A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.

B. Comply with manufacturer's written instructions for temperature and relative humidity.

3.8 CORRECTION OF THE WORK

A. Repair or remove and replace defective construction. Restore damaged substrates and finishes.

1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.

B. Restore permanent facilities used during construction to their specified condition.

C. Remove and replace damaged surfaces that are exposed to view if surfaces cannot be repaired without visible evidence of repair.

D. Repair components that do not operate properly. Remove and replace operating components that cannot be repaired.

E. Remove and replace chipped, scratched, and broken glass or reflective surfaces.

END OF SECTION 01 73 00

SECTION 01 77 00 - CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
   1. Substantial Completion procedures.
   2. Final completion procedures.
   3. Warranties.
   4. Final cleaning.

B. Related Sections:
   1. Division 01 Section "Operation and Maintenance Data" for operation and maintenance manual requirements.
   2. Division 01 Section "Project Record Documents" for submitting Record Drawings, Record Specifications, and Record Product Data.
   3. Division 01 Section "Demonstration and Training" for requirements for instructing Owner's personnel.
   4. Divisions 02 through 49 Sections for specific closeout and special cleaning requirements for the Work in those Sections.

1.2 SUBSTANTIAL COMPLETION

A. Preliminary Procedures: Before requesting inspection for determining date of Substantial Completion, complete the following. List items below that are incomplete with request.
   1. Prepare a list of items to be completed and corrected (punch list), the value of items on the list, and reasons why the Work is not complete.
   2. Advise Owner of pending insurance changeover requirements.
   3. Submit specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
   4. Obtain and submit releases permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
   5. Prepare and submit Project Record Documents, operation and maintenance manuals, final completion construction photographic documentation, damage or settlement surveys, property surveys, and similar final record information.
   6. Deliver tools, spare parts, extra materials, and similar items to location designated by Owner. Label with manufacturer's name and model number where applicable.
   7. Make final changeover of permanent locks and deliver keys to Owner. Advise Owner's personnel of changeover in security provisions.
   8. Complete startup testing of systems.
   9. Submit test/adjust/balance records.
   10. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
   11. Advise Owner of changeover in heat and other utilities.
   12. Submit changeover information related to Owner's occupancy, use, operation, and maintenance.
   13. Complete final cleaning requirements, including touchup painting.

14. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.

B. Inspection: Submit a written request for inspection for Substantial Completion. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Architect, that must be completed or corrected before certificate will be issued.
   1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
   2. Results of completed inspection will form the basis of requirements for final completion.

1.3 FINAL COMPLETION

A. Preliminary Procedures: Before requesting final inspection for determining final completion, complete the following:
   1. Submit a final Application for Payment according to Division 01 Section "Payment Procedures."
   2. Submit certified copy of Architect's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Architect. The certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
   3. Submit evidence of final, continuing insurance coverage complying with insurance requirements.
   4. Submit pest-control final inspection report and warranty.
   5. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems.

B. Inspection: Submit a written request for final inspection for acceptance. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
   1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

1.4 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.
   1. Organize list of spaces in sequential order, starting with exterior areas first.
   2. Organize items applying to each space by major element, including categories for ceiling, individual walls, floors, equipment, and building systems.
   3. Submit list of incomplete items in the following format:
      a. One paper copy, unless otherwise indicated. Architect.

1.5 WARRANTIES

A. Submittal Time: Submit written warranties on request of Architect for designated portions of the Work where commencement of warranties other than date of Substantial Completion is indicated.

B. Organize warranty documents into an orderly sequence based on the table of contents of the Project Manual.
   1. Bind warranties and bonds in heavy-duty, 3-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 215-by-280-mm (8-1/2-by-11-inch) paper.
   2. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address, and telephone number of Installer.
   3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project name, and name of Contractor.
   4. Scan warranties and bonds and assemble complete warranty and bond submittal package into a single indexed electronic PDF file with links enabling navigation to each item. Provide table of contents at beginning of document.

C. Provide additional copies of each warranty to include in operation and maintenance manuals.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

PART 3 - EXECUTION

3.1 FINAL CLEANING

A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.

B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
   1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a portion of Project:
      a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
      b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
      c. Rake grounds that are neither planted nor paved to a smooth, even-textured surface.
      d. Remove tools, construction equipment, machinery, and surplus material from Project site.
      e. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
      f. Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.

g. Sweep concrete floors broom clean in unoccupied spaces.
h. Vacuum carpet and similar soft surfaces, removing debris and excess nap; shampoo if visible soil or stains remain.
i. Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Replace chipped or broken glass and other damaged transparent materials. Polish mirrors and glass, taking care not to scratch surfaces.
j. Remove labels that are not permanent.
k. Touch up and otherwise repair and restore marred, exposed finishes and surfaces. Replace finishes and surfaces that cannot be satisfactorily repaired or restored or that already show evidence of repair or restoration.
    1) Do not paint over "UL" and other required labels and identification, including mechanical and electrical nameplates.
l. Wipe surfaces of mechanical and electrical equipment and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
m. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.
n. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
o. Replace disposable air filters and clean permanent air filters. Clean exposed surfaces of diffusers, registers, and grills.
p. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency. Replace burned-out bulbs, and those noticeably dimmed by hours of use, and defective and noisy starters in fluorescent and mercury vapor fixtures to comply with requirements for new fixtures.
q. Leave Project clean and ready for occupancy.

C. Pest Control: Engage an experienced, licensed exterminator to make a final inspection and rid Project of rodents, insects, and other pests. Prepare a report.

END OF SECTION 01 77 00

SECTION 01 78 23 - OPERATION AND MAINTENANCE DATA

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes administrative and procedural requirements for preparing operation and maintenance manuals, including the following:
   1. Operation manuals for systems, subsystems, and equipment.
   2. Maintenance manuals for the care and maintenance of products, materials, and finishes, systems and equipment.

B. See Divisions 02 through 49 Sections for specific operation and maintenance manual requirements for the Work in those Sections.

1.2 SUBMITTALS

A. Manual: Submit one copy of each manual in final form at least 15 days before final inspection. Architect will return copy with comments within 15 days after final inspection.
   1. Correct or modify each manual to comply with Architect's comments. Submit 2 copies of each corrected manual within 15 days of receipt of Architect's comments.

PART 2 - PRODUCTS

2.1 MANUALS, GENERAL

A. Organization: Unless otherwise indicated, organize each manual into a separate section for each system and subsystem, and a separate section for each piece of equipment not part of a system. Each manual shall contain a title page, table of contents, and manual contents.

B. Title Page: Enclose title page in transparent plastic sleeve. Include the following information:
   1. Subject matter included in manual.
   2. Name and address of Project.
   3. Name and address of Owner.
   4. Date of submittal.
   5. Name, address, and telephone number of Contractor.
   6. Name and address of Architect.
   7. Cross-reference to related systems in other operation and maintenance manuals.

C. Table of Contents: List each product included in manual, identified by product name, indexed to the content of the volume, and cross-referenced to Specification Section number in Project Manual.

D. Manual Contents: Organize into sets of manageable size. Arrange contents alphabetically by system, subsystem, and equipment. If possible, assemble instructions for subsystems, equipment, and components of one system into a single binder.
   1. Binders: Heavy-duty, 3-ring, vinyl-covered, loose-leaf binders, in thickness necessary to accommodate contents, sized to hold 215-by-280-mm (8-1/2-by-11-inch) paper; with clear

plastic sleeve on spine to hold label describing contents and with pockets inside covers to hold folded oversize sheets.
   a. Identify each binder on front and spine, with printed title "OPERATION AND MAINTENANCE MANUAL," Project title or name, and subject matter of contents. Indicate volume number for multiple-volume sets.
2. Dividers: Heavy-paper dividers with plastic-covered tabs for each section. Mark each tab to indicate contents. Include typed list of products and major components of equipment included in the section on each divider, cross-referenced to Specification Section number and title of Project Manual.
3. Protective Plastic Sleeves: Transparent plastic sleeves designed to enclose diagnostic software diskettes for computerized electronic equipment.
4. Drawings: Attach reinforced, punched binder tabs on drawings and bind with text.
   a. If oversize drawings are necessary, fold drawings to same size as text pages and use as foldouts.
   b. If drawings are too large to be used as foldouts, fold and place drawings in labeled envelopes and bind envelopes in rear of manual. At appropriate locations in manual, insert typewritten pages indicating drawing titles, descriptions of contents, and drawing locations.
5. Digital Format: Provide Warrantis, Operation and Maintenance Manuals on a thumb drive.

2.2 PRODUCT MAINTENANCE MANUAL

A. Content: Organize manual into a separate section for each product, material, and finish. Include source information, product information, maintenance procedures, repair materials and sources, and warranties and bonds, as described below.

B. Source Information: List each product included in manual, identified by product name and arranged to match manual's table of contents. For each product, list name, address, and telephone number of Installer or supplier and maintenance service agent, and cross-reference Specification Section number and title in Project Manual.

C. Product Information: Include the following, as applicable:
   1. Product name and model number.
   2. Manufacturer's name.
   3. Color, pattern, and texture.
   4. Material and chemical composition.
   5. Reordering information for specially manufactured products.

D. Maintenance Procedures: Include manufacturer's written recommendations and inspection procedures, types of cleaning agents, methods of cleaning, schedule for cleaning and maintenance, and repair instructions.

E. Repair Materials and Sources: Include lists of materials and local sources of materials and related services.

F. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds.

2.3 SYSTEMS AND EQUIPMENT MAINTENANCE MANUAL

A. Content: For each system, subsystem, and piece of equipment not part of a system, include source information, manufacturers' maintenance documentation, maintenance procedures, maintenance and service schedules, spare parts list and source information, maintenance service contracts, and warranty and bond information, as described below.

B. Source Information: List each system, subsystem, and piece of equipment included in manual, identified by product name and arranged to match manual's table of contents. For each product, list name, address, and telephone number of Installer or supplier and maintenance service agent, and cross-reference Specification Section number and title in Project Manual.

C. Manufacturers' Maintenance Documentation: Manufacturers' maintenance documentation including maintenance instructions, drawings and diagrams for maintenance, nomenclature of parts and components, and recommended spare parts for each component part or piece of equipment:

D. Maintenance Procedures: Include test and inspection instructions, troubleshooting guide, disassembly instructions, and adjusting instructions that detail essential maintenance procedures:

E. Maintenance and Service Schedules: Include service and lubrication requirements, list of required lubricants for equipment, and separate schedules for preventive and routine maintenance and service with standard time allotment.

F. Spare Parts List and Source Information: Include lists of replacement and repair parts, with parts identified and cross-referenced to manufacturers' maintenance documentation and local sources of maintenance materials and related services.

G. Maintenance Service Contracts: Include copies of maintenance agreements with name and telephone number of service agent.

H. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds.

PART 3 - EXECUTION

3.1 MANUAL PREPARATION

A. Product Maintenance Manual: Assemble a complete set of maintenance data indicating care and maintenance of each product, material, and finish incorporated into the Work.

B. Operation and Maintenance Manuals: Assemble a complete set of operation and maintenance data indicating operation and maintenance of each system, subsystem, and piece of equipment not part of a system.

C. Manufacturers' Data: Where manuals contain manufacturers' standard printed data, include only sheets pertinent to product or component installed. Mark each sheet to identify each product or component incorporated into the Work. If data include more than one item in a tabular format, identify each item using appropriate references from the Contract Documents. Identify data applicable to the Work and delete references to information not applicable.

D. Drawings: Prepare drawings supplementing manufacturers' printed data to illustrate the relationship of component parts of equipment and systems and to illustrate control sequence and flow diagrams. Coordinate these drawings with information contained in Record Drawings to ensure correct illustration of completed installation.
   1. Do not use original Project Record Documents as part of operation and maintenance manuals.

E. Comply with Division 01 Section "Closeout Procedures" for schedule for submitting operation and maintenance documentation.

SECTION 01 78 39 - PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes administrative and procedural requirements for Project Record Documents, including the following:
   1. Record Drawings.
   2. Record Specifications.
   3. Record Product Data.

B. See Division 01 Section "Operation and Maintenance Data" for operation and maintenance manual requirements.

C. See Divisions 02 through 49 Sections for specific requirements for Project Record Documents of the Work in those Sections.

1.2 SUBMITTALS

A. Record Drawings: Comply with the following:
   1. Number of Copies: Submit one set(s) of marked-up Record Prints.
   2. Number of Copies: Submit copies of Record Drawings as follows:
      a. Initial Submittal: Submit one set of marked-up Record Prints. Architect will review for completeness.
      b. Final Submittal: Submit one final set of marked-up Record Prints.

B. Record Specifications: Submit one copy of Project's Specifications, including addenda and contract modifications.

C. Record Product Data: Submit one copy of each Product Data submittal.

PART 2 - PRODUCTS

2.1 RECORD DRAWINGS

A. Record Prints: Maintain one set of blue- or black-line white prints of the Contract Drawings and Shop Drawings.
   1. Preparation: Mark Record Prints to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to prepare the marked-up Record Prints.
      a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
      b. Record data as soon as possible after obtaining it. Record and check the markup before enclosing concealed installations.
   2. Mark the Contract Drawings or Shop Drawings, whichever is most capable of showing actual physical conditions, completely and accurately. If Shop Drawings are marked, show cross-reference on the Contract Drawings.

3. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
4. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.

B. Format: Identify and date each Record Drawing; include the designation "PROJECT RECORD DRAWING" in a prominent location.
1. Record Prints: Organize Record Prints and newly prepared Record Drawings into manageable sets. Bind each set with durable paper cover sheets. Include identification on cover sheets.

2.2 RECORD SPECIFICATIONS

A. Preparation: Mark Specifications to indicate the actual product installation where installation varies from that indicated in Specifications, addenda, and contract modifications.
1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
2. Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
3. Record the name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.
4. Note related Change Orders and Record Drawings where applicable.

2.3 RECORD PRODUCT DATA

A. Preparation: Mark Product Data to indicate the actual product installation where installation varies substantially from that indicated in Product Data submittal.
1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
2. Include significant changes in the product delivered to Project site and changes in manufacturer's written instructions for installation.
3. Note related Change Orders and Record Drawings where applicable.

2.4 MISCELLANEOUS RECORD SUBMITTALS

A. Assemble miscellaneous records required by other Specification Sections for miscellaneous record keeping and submittal in connection with actual performance of the Work. Bind or file miscellaneous records and identify each, ready for continued use and reference.

PART 3 - EXECUTION

3.1 RECORDING AND MAINTENANCE

A. Recording: Maintain one copy of each submittal during the construction period for Project Record Document purposes. Post changes and modifications to Project Record Documents as they occur; do not wait until the end of Project.

B. Maintenance of Record Documents and Samples: Store Record Documents and Samples in the field office apart from the Contract Documents used for construction. Do not use Project Record Documents for construction purposes. Maintain Record Documents in good order and in a clean,

dry, legible condition, protected from deterioration and loss. Provide access to Project Record Documents for Architect's reference during normal working hours.

END OF SECTION 01 78 39

SECTION 08 11 13 - HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Standard hollow metal doors and frames for both interior and exterior openings

1.2 PERFORMANCE REQUIREMENTS

A. Wind Loads: As indicated on Drawings.

B. Structural-Test Performance: Test according to ASTM E 330 as follows:

1. When tested at 150 percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not evidence material failures, structural distress, and permanent deformation of main framing members exceeding 0.2 percent of span.
2. Test Durations: 10 seconds.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Include elevations, door edge details, frame profiles, metal thicknesses, preparations for hardware, and other details.

C. Schedule: Prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Ceco Door Products; an Assa Abloy Group company.
2. Curries Company; an Assa Abloy Group company.
3. Steelcraft; an Ingersoll-Rand company.

2.2 MATERIALS

A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, CS, Type B; suitable for exposed applications.

B. Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, CS, Type B.

C. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B; with minimum A40 (ZF120) metallic coating.

D. Frame Anchors: ASTM A 591/A 591M, Commercial Steel (CS), 40Z (12G) coating designation; mill phosphatized.

1. For anchors built into exterior walls, steel sheet complying with ASTM A 1008/A 1008M or ASTM A 1011/A 1011M, hot-dip galvanized according to ASTM A 153/A 153M, Class B.

E. Inserts, Bolts, and Fasteners: Hot-dip galvanized according to ASTM A 153/A 153M.

F. Grout: ASTM C 476, except with a maximum slump of 4 inches (102 mm), as measured according to ASTM C 143/C 143M.

G. Mineral-Fiber Insulation: ASTM C 665, Type I.

H. Glazing: Division 08 Section "Glazing."

I. Bituminous Coating: Cold-applied asphalt mastic, SSPC-Paint 12, compounded for 15-mil (0.4-mm) dry film thickness per coat.

2.3 STANDARD HOLLOW METAL DOORS

A. General: Comply with ANSI/SDI A250.8.

1. Design: Flush panel.
2. Core Construction: Manufacturer's standard polystyrene core.

a. Thermal-Rated (Insulated) Doors: R-value of not less than [6.0 deg F x h x sq. ft./Btu (1.057 K x sq. m/W)] [12.3 deg F x h x sq. ft./Btu (2.166 K x sq. m/W)] <Insert R-value> when tested according to ASTM C 1363.

3. Vertical Edges for Single-Acting Doors: Manufacturer's standard.
4. Top and Bottom Edges: Closed with flush 0.042-inch- (1.0-mm-) thick, end closures or channels of same material as face sheets.
5. Tolerances: SDI 117, "Manufacturing Tolerances for Standard Steel Doors and Frames."

B. Exterior Doors: Face sheets fabricated from metallic-coated steel sheet. Comply with ANSI/SDI A250.8 for level and model and ANSI/SDI A250.4 for physical performance level:

1. Level 2 and Physical Performance Level B (Heavy Duty), Model 2 (Seamless). Min. 16 GA.

2. Hurricane rated 16 ga galvanized and insulated door leafs required at exterior doors.

C. Interior Doors: Face sheets fabricated from cold-rolled steel sheet. Provide doors complying with requirements indicated below by referencing ANSI/SDI A250.8 for level and model and ANSI/SDI A250.4 for physical performance level:

1. Level 2 and Physical Performance Level B (Heavy Duty), Model 2 (Seamless).

D. Hardware Reinforcement: ANSI/SDI A250.6.

2.4 STANDARD HOLLOW METAL FRAMES

A. General: Comply with ANSI/SDI A250.8.

B. Exterior Frames: Fabricated from metallic-coated steel sheet.

1. Fabricate frames with mitered or coped corners.
2. Fabricate frames as full profile welded unless otherwise indicated.
3. Frames for Level 2 Steel Doors: 0.053-inch- (1.3-mm-) thick steel sheet. Min. 14 GA.
4. Hurricane rated 14 ga. galvanized frames required at exterior doors.

C. Interior Frames: Fabricated from cold-rolled steel sheet.

1. Fabricate frames with mitered or coped corners.
2. Fabricate frames as full profile welded unless otherwise indicated.
3. Fabricate knocked-down, drywall slip-on frames for in-place gypsum board partitions.
4. Frames for Wood Doors: 0.053-inch- (1.3-mm-) thick steel sheet.

D. Hardware Reinforcement: ANSI/SDI A250.6.

2.5 FRAME ANCHORS

A. Jamb Anchors:

1. Masonry Type: Adjustable strap-and-stirrup or T-shaped anchors to suit frame size, not less than 0.042 inch (1.0 mm) thick, with corrugated or perforated straps not less than 2 inches (50 mm) wide by 10 inches (250 mm) long; or wire anchors not less than 0.177 inch (4.5 mm) thick.

B. Floor Anchors: Formed from same material as frames, not less than 0.042 inch (1.0 mm) thick, and as follows:

1. Monolithic Concrete Slabs: Clip-type anchors, with two holes to receive fasteners.

2.6 STOPS AND MOLDINGS

A. Moldings for Glazed Lites in Doors: Minimum 0.032 inch (0.8 mm) thick, same material as door face sheet.

B. Loose Stops for Glazed Lites in Frames: Minimum 0.032 inch (0.8 mm) thick, same material as frames.

2.7 ACCESSORIES

A. Grout Guards: Formed from same material as frames, not less than 0.016 inch (0.4 mm) thick.

2.8 FABRICATION

A. Tolerances: Fabricate hollow metal work to tolerances indicated in SDI 117.

B. Hollow Metal Doors:

1. Exterior Doors: Provide weep-hole openings in bottom of exterior doors. Seal joints in top edges of doors against water penetration.
2. Glazed Lites: Factory cut openings in doors.

C. Hollow Metal Frames: Where frames are fabricated in sections, provide alignment plates or angles at each joint, fabricated of same thickness metal as frames.

1. Welded Frames: Weld flush face joints continuously; grind, fill, dress, and make smooth, flush, and invisible.
2. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.
3. Grout Guards: Weld guards to frame at back of hardware mortises in frames to be grouted.
4. Floor Anchors: Weld anchors to bottom of jambs and mullions with at least four spot welds per anchor.
5. Jamb Anchors: Provide number and spacing of anchors as follows:

a. Masonry Type: Locate anchors not more than 18 inches (457 mm) from top and bottom of frame. Space anchors not more than 32 inches (813 mm) o.c. and as follows:

1) Three anchors per jamb from 60 to 90 inches (1524 to 2286 mm) high.

b. Compression Type: Not less than two anchors in each jamb.

6. Door Silencers: Except on weather-stripped doors, drill stops to receive door silencers.

a. Single-Door Frames: Three door silencers.
b. Double-Door Frames: Two door silencers.

D. Hardware Preparation: Factory prepare hollow metal work to receive templated mortised hardware according to the Door Hardware Schedule and templates furnished as specified in Division 08 Section "Door Hardware."

1. Locate hardware as indicated, or if not indicated, according to ANSI/SDI A250.8.
2. Reinforce doors and frames to receive nontemplated, mortised and surface-mounted door hardware.
3. Comply with applicable requirements in ANSI/SDI A250.6 and ANSI/DHI A115 Series specifications for preparation of hollow metal work for hardware.

E. Stops and Moldings: Provide stops and moldings around glazed lites where indicated. Form corners of stops and moldings with butted or mitered hairline joints.

1. Single Glazed Lites: Provide fixed stops and moldings welded on secure side of hollow metal work.
2. Provide loose stops and moldings on inside of hollow metal work.
3. Coordinate rabbet width between fixed and removable stops with type of glazing and type of installation indicated.

2.9 STEEL FINISHES

A. Prime Finish: Apply manufacturer's standard primer immediately after cleaning and pretreating.

1. Shop Primer: ANSI/SDI A250.10.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Hollow Metal Frames: Comply with ANSI/SDI A250.11.

1. Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces, leaving surfaces smooth and undamaged.

a. Install door silencers in frames before grouting.
b. Remove temporary braces necessary for installation only after frames have been properly set and secured.
c. Check plumbness, squareness, and twist of frames as walls are constructed. Shim as necessary to comply with installation tolerances.
d. Field apply bituminous coating to backs of frames that are filled with grout containing antifreezing agents.

2. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor, and secure with postinstalled expansion anchors.
3. Masonry Walls: Coordinate installation of frames to allow for solidly filling space between frames and masonry with grout.
4. Installation Tolerances: Adjust hollow metal door frames for squareness, alignment, twist, and plumb to the following tolerances:

a. Squareness: Plus or minus 1/16 inch (1.6 mm), measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
b. Alignment: Plus or minus 1/16 inch (1.6 mm), measured at jambs on a horizontal line parallel to plane of wall.
c. Twist: Plus or minus 1/16 inch (1.6 mm), measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
d. Plumbness: Plus or minus 1/16 inch (1.6 mm), measured at jambs at floor.

B. Hollow Metal Doors: Fit hollow metal doors accurately in frames, within clearances specified below. Shim as necessary.

1. Non-Fire-Rated Standard Steel Doors:

a. Jambs and Head: 1/8 inch (3 mm) plus or minus 1/16 inch (1.6 mm).
b. Between Edges of Pairs of Doors: 1/8 inch (3 mm) plus or minus 1/16 inch (1.6 mm).
c. Between Bottom of Door and Top of Threshold: Maximum 3/8 inch (9.5 mm).
d. Between Bottom of Door and Top of Finish Floor (No Threshold): Maximum 3/4 inch (19 mm).

C. Glazing: Comply with installation requirements in Division 08 Section "Glazing" and with hollow metal manufacturer's written instructions.

1. Secure stops with countersunk flat- or oval-head machine screws spaced uniformly not more than 9 inches (230 mm) o.c. and not more than 2 inches (50 mm) o.c. from each corner.

3.2 ADJUSTING AND CLEANING

A. Final Adjustments: Check and readjust operating hardware items immediately before final inspection. Leave work in complete and proper operating condition. Remove and replace defective work, including hollow metal work that is warped, bowed, or otherwise unacceptable.

B. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying, rust-inhibitive primer.

END OF SECTION 08 11 13

SECTION 08 41 13 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:
   1. Exterior
      a. Glazing is retained mechanically with gaskets on four sides.
   2. Exterior manual-swing aluminum doors.
   3. Exterior aluminum door frames.

B. Door hardware to be furnished and installed by aluminum framed entrance manufacturer.

1.2 PERFORMANCE REQUIREMENTS

A. General: Provide aluminum-framed systems, including anchorage, capable of withstanding, without failure, the effects of the following:
   1. Structural loads.
   2. Thermal movements.
   3. Movements of supporting structure indicated on Drawings including, but not limited to, story drift and deflection from uniformly distributed and concentrated live loads.
   4. Dimensional tolerances of building frame and other adjacent construction.
   5. Failure includes the following:
      a. Deflection exceeding specified limits.
      b. Thermal stresses transferred to building structure.
      c. Framing members transferring stresses, including those caused by thermal and structural movements, to glazing.
      d. Glazing-to-glazing contact.
      e. Noise or vibration created by wind and thermal and structural movements.
      f. Loosening or weakening of fasteners, attachments, and other components.
      g. Sealant failure.
      h. Failure of operating units to function properly.

B. Structural Loads:
   1. Wind Loads: Florida Building Code 2014 – Ultimate Design for Wind of 143mph.

C. Deflection of Framing Members Normal to Wall Plane: Limited to 1/175 of clear span for spans up to 13 feet 6 inches (4.1 m) and to 1/240 of clear span plus 1/4 inch (6.35 mm) for spans greater than 13 feet 6 inches (4.1 m)]

D. Structural-Test Performance: Systems tested according to ASTM E 330 as follows:
   1. When tested at positive and negative wind-load design pressures, systems do not evidence deflection exceeding specified limits.
   2. When tested at 150 percent of positive and negative wind-load design pressures, systems, including anchorage, do not evidence material failures, structural distress, and permanent deformation of main framing members exceeding 0.2 percent of span.
   3. Test Durations: As required by design wind velocity but not less than 10 seconds.

E. Temperature Change (Range): Systems accommodate 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

F. Air Infiltration: Maximum air leakage through fixed glazing and framing areas of systems of **0.06 cfm/sq. ft. (0.03 L/s per sq. m)** of fixed wall area when tested according to ASTM E 283 at a minimum static-air-pressure difference of **6.24 lbf/sq. ft. (300 Pa)**.

G. Water Penetration Under Static Pressure: Systems do not evidence water penetration through fixed glazing and framing areas when tested according to ASTM E 331 at a minimum static-air-pressure difference of 20 percent of positive wind-load design pressure, but not less than **6.24 lbf/sq. ft. (300 Pa)**.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

1. Include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
2. For entrances, include hardware schedule and indicate operating hardware types, functions, quantities, and locations.

C. Samples: For each exposed finish.
D. Product test reports.
E. Field quality-control test and inspection reports.
F. Supplemental Submittals:
1. VOC Content: Provide manufacturer's product data and material safety data sheets (MSDS) for adhesives and sealants used on the interior of the building including printed statement of VOC content in g/L. For sealants used inside of the weatherproofing system, documentation including printed statement of VOC content

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Acceptable to manufacturer and capable of preparation of data for aluminum-framed systems including Shop Drawings based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.
B. Testing Agency Qualifications: An independent agency qualified according to ASTM E 699 for testing indicated.
C. Mockups: Build mockups to demonstrate aesthetic effects and set quality standards for fabrication and installation.
1. Build mockups.
2. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.5 WARRANTY

A. Special Assembly Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of aluminum-framed systems that do not comply with requirements or that deteriorate as defined in this Section within specified warranty period.
1. Failures include, but are not limited to, the following:
a. Structural failures including, but not limited to, excessive deflection.
b. Noise or vibration caused by thermal movements.
c. Deterioration of metals**,** metal finishes, and other materials beyond normal weathering.
d. Adhesive or cohesive sealant failures.
e. Water leakage through fixed glazing and framing areas.
f. Failure of operating components to function properly.
2. Warranty Period: Two years from date of Substantial Completion.
B. Special Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components on which finishes fail within specified warranty period. Warranty does not include normal weathering.
1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Product (**where indicated on drawings**): The design for aluminum-framed systems is based on:
1. Coral Architectural Products; FL550 impact rated storefront; 2-1/2" x 5"; Non-Thermal; Center Glazed for for 1-5/16" laminated glass for Large Missile Impact-Resistant Glazing; Screw Spline Fabrication, Glazing Method; Interior and Exterior EPDM Gaskets Dry-glazed

2. At ticket booth glazing “E”, “F”, “G”, AND “H” : Coral Architectural Products; FL200 -non thermal storefront. 1-3/4” x 4 1/2”; Center Glazed for 1/4” glass; Screw Spline Fabrication, Interior and Exterior EPDM Gaskets Dry-glazed

B. Subject to compliance with requirements, provide the named products or a comparable product by one of the following:
   1. YKK AP America Inc. -
   2. Kawneer Company, Inc.
   3. Vistawall Architectural Products
   4. Amarlite Architectural Products, Aluminum & Glass Co. Inc.

2.2 MATERIALS

A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
   1. Sheet and Plate: ASTM B 209 (ASTM B 209M).
   2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221 (ASTM B 221M).
   3. Extruded Structural Pipe and Tubes: ASTM B 429.
   4. Structural Profiles: ASTM B 308/B 308M.

B. Steel Reinforcement: With manufacturer's standard corrosion-resistant primer.
   1. Structural Shapes, Plates, and Bars: ASTM A 36/A 36M.
   2. Cold-Rolled Sheet and Strip: ASTM A 1008/A 1008M.
   3. Hot-Rolled Sheet and Strip: ASTM A 1011/A 1011M.

2.3 FRAMING SYSTEMS

A. Framing Members: Manufacturer's standard extruded-aluminum framing members of thickness required and reinforced as required to support imposed loads.

B. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with non-staining, nonferrous shims for aligning system components.

C. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bleeding fasteners and accessories compatible with adjacent materials.
   1. Where fasteners are subject to loosening or turning out from thermal and structural movements, wind loads, or vibration, use self-locking devices.
   2. Reinforce members as required to receive fastener threads.
   3. Use exposed stainless steel fasteners with countersunk Phillips screw heads, finished to match framing system.

D. Concrete and Masonry Inserts: Hot-dip galvanized cast-iron, malleable-iron, or steel inserts complying with ASTM A 123/A 123M or ASTM A 153/A 153M requirements.

E. Flashing: Manufacturer's standard corrosion-resistant, non-staining, non-bleeding flashing compatible with adjacent materials. Storefront system shall include extruded sill flashing with full-height back leg and integral continuous slot for applied sealant and applied end dams in lieu of formed flashing. **Provide full sill pans and end dams**.

F. Framing System Gaskets and Sealants: Manufacturer's standard recommended by manufacturer for joint type.

2.4 GLAZING SYSTEMS

A. Glazing: As specified in Division 08 Section "Glazing."

B. Glazing Gaskets: Manufacturer's standard compression types, replaceable, molded or extruded, that maintain uniform pressure and watertight seal.

C. Spacers and Setting Blocks: Manufacturer's standard elastomeric types.

D. Bond-Breaker Tape: Manufacturer's standard TFE-fluorocarbon or polyethylene material to which sealants will not develop adhesion.

2.5 DOORS

A. Doors: Manufacturer's standard glazed doors, for manual swing operation.
   1. Door Construction: 1-3/4-inch (44.5-mm) overall thickness, thick extruded-aluminum tubular rail and stile members. Mechanically fasten

corners with reinforcing brackets that are deep penetration and fillet welded or that incorporate concealed tie rods.

2. Door Design: **Wide stile based on Coral 550**
3. Glazing Stops and Gaskets: Beveled, snap-on, extruded-aluminum stops and preformed gaskets.
   a. Provide non-removable glazing stops on outside of door.

2.6 DOOR HARDWARE

A. General: Provide entrance door hardware for each entrance door to comply with requirements in this Section.
   1. Entrance Door Hardware Sets: Provide named manufacturers' products
   2. Opening-Force Requirements:
      a. Egress Doors: Not more than 15 lbf (67 N) to release the latch and not more that 30 lbf (133 N) to set the door in motion and not more than 15 lbf (67 N) to open the door to its minimum required width.

B. Pivot Hinges:
   1. Offset-Pivot Hinges: Provide offset pivots top, bottom, and intermediate at each door leaf.

C. Manual Flush Bolts:
   1. Provide one pair of flush bolts in the inactive leaf of a pair doors as required to comply with large missile impact requirements.
   2. Cylinders: As specified in Division 08 Section "Door Hardware."

D. Strikes: Provide strike with black plastic dust box for each latch or lock bolt; fabricated for aluminum framing.

E. Operating Trim:
   1. Provide Traditional Wire pull and Concealed Vertical Rod Push Pad

F. Closers:
   1. Concealed overhead door closer, with accessories required for a complete installation, sized as required by door size, exposure to weather, and anticipated frequency of use; adjustable to meet field conditions and requirements for opening force.

G. Weather Stripping: Manufacturer's standard replaceable components.

H. Weather Sweeps: Manufacturer's standard exterior door bottom sweep with concealed fasteners on mounting strip.

I. Silencers: BHMA A156.16. Grade 1

J. Thresholds: A 4" wide raised thresholds beveled with a slope of not more that 1:2, with maximum Height of ½ inch (13mm).

2.7 DOOR HARDWARE SCHEDULE

HW SET: 01 AL

DOOR NUMBER: **TYPICAL FOR ALL EXTERIOR ENTRANCES**

EACH TO HAVE:

3	PAIR BUTT HINGES
1	PANIC HARDWARE – CONCEALED VERTICAL ROD
1	PANIC HARDWARE – CONCEALED VERTICAL ROD
2	OFFSET DOOR PULL
1	SURFACE CLOSER
1	SURF. AUTO OPERATOR
1	PA MOUNTING PLATE
1	CUSH SHOE SUPPORT
1	BLADE STOP SPACER
1	BOLLARD ACTUATOR
1	ACTUATOR KIT WALL MT
1	BOLLARD POST
2	RECEIVER
1	WEATHER RING
1	DPDT KEYSWITCH
2	DOOR BOTTOM SEAL
1	THRESHOLD

ALL HARDWARE TO BE PART OF A TESTED ASSEMBLY TO COMPLY WITH HURRICANE CODE AND INDICATED DESIGN PRESSURE.
KEYSWITCH TO DISABLE EXTERIOR ACTUATOR PLATE.

2.8 ACCESSORY MATERIALS

A. Insulating Materials: As specified in Division 07 Section "Thermal Insulation."
B. Joint Sealants: For installation at perimeter of aluminum-framed systems, as specified in Division 07 Section "Joint Sealants."
C. Bituminous Paint: Cold-applied asphalt-mastic paint complying with SSPC-Paint 12 requirements except containing no asbestos, formulated for 30-mil (0.762-mm) thickness per coat.

2.9 FABRICATION

A. Form aluminum shapes before finishing.
B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.
C. Framing Members, General: Fabricate components that, when assembled, have the following characteristics:
    1. Profiles that are sharp, straight, and free of defects or deformations.
    2. Accurately fitted joints with ends coped or mitered.
    3. Means to drain water passing joints, condensation occurring within framing members, and moisture migrating within the system to exterior.
    4. Physical isolation of glazing from framing members.
    5. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
    6. Provisions for field replacement of glazing from exterior. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.

D. Mechanically Glazed Framing Members: Fabricate for flush glazing (without projecting stops).
E. Door Frames: Reinforce as required to support loads imposed by door operation and for installing hardware.
   1. At exterior doors, provide compression weather stripping at fixed stops.
   2. At interior doors, provide silencers at stops to prevent metal-to-metal contact. Install three silencers on strike jamb of single-door frames and two silencers on head of frames for pairs of doors.
F. Doors: Reinforce doors as required for installing hardware.
   1. At pairs of exterior doors, provide sliding weather stripping retained in adjustable strip mortised into door edge.
   2. At exterior doors, provide weather sweeps applied to door bottoms.
G. Hardware Installation: Factory install hardware to the greatest extent possible. Cut, drill, and tap for factory-installed hardware before applying finishes.
H. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

2.10 ALUMINUM FINISHES

A. Clear Anodizing conforming to AA-M12C22A31, AAMA 607.1, Clear Anodic Coating at Theatre Storefront

B. Fluoropolymer Thermosetting Powder Coating Conforming to AAMA 2605 at Martin Theatre Green Room. Color to be selected by Architect and approved by owner.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General:
   1. Fit joints to produce hairline joints free of burrs and distortion.
   2. Rigidly secure non-movement joints.
   3. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration.
   4. Seal joints watertight, unless otherwise indicated.
B. Metal Protection:
   1. Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape or installing nonconductive spacers as recommended by manufacturer for this purpose.
      a. Refer to Division 6 Section “Rough Carpentry”.
   2. Where aluminum will contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.
C. Install components to drain water passing joints, condensation occurring within framing members, and moisture migrating within the system to exterior.
D. Set continuous sill members and flashing in full sealant bed as specified in Division 07 Section "Joint Sealants" and to produce weather-tight installation.
E. Install components plumb and true in alignment with established lines and grades, without warp or rack.
F. Install glazing as specified in Division 08 Section "Glazing."
   1. Structural-Sealant Glazing:
      a. Prepare surfaces that will contact structural sealant according to sealant manufacturer's written instructions to ensure compatibility and adhesion. Preparation includes, but is not limited to, cleaning and priming surfaces.
      b. Install weather-seal sealant according to Division 07 Section "Joint Sealants" and according to sealant manufacturer's written instructions to produce weatherproof joints. Install joint filler behind sealant as recommended by sealant manufacturer.
G. Entrances: Install to produce smooth operation and tight fit at contact points.

1. Exterior Entrances: Install to produce tight fit at weather stripping and weather-tight closure.
2. Field-Installed Hardware: Install surface-mounted hardware according to hardware manufacturers' written instructions using concealed fasteners to greatest extent possible.

H. Install insulation materials as specified in Division 07 Section "Thermal Insulation."

I. Install perimeter joint sealants as specified in Division 07 Section "Joint Sealants" and to produce weather-tight installation.

J. Erection Tolerances: Install aluminum-framed systems to comply with the following maximum tolerances:
1. Location and Plane: Limit variation from true location and plane to 1/8 inch in 12 feet (3 mm in 3.7 m); 1/4 inch (6 mm) over total length.
2. Alignment:
   a. Where surfaces abut in line, limit offset from true alignment to 1/16 inch (1.5 mm).
   b. Where surfaces meet at corners, limit offset from true alignment to 1/32 inch (0.8 mm).
3. Diagonal Measurements: Limit difference between diagonal measurement to 1/8 inch (3 mm).

END OF SECTION 08 41 13

SECTION 08 71 00 – DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes items known commercially as finish or door hardware that are required for swing, sliding, and folding doors, except special types of unique hardware specified in the same sections as the doors and door frames on which they are installed.

B. This Section includes the following:
1. Hinges
2. Continuous hinges
3. Lock cylinders and keys
4. Lock and latch sets
5. Bolts
6. Exit Devices
7. Push/Pull units
8. Closers
9. Overhead holders
10. Miscellaneous door control devices
11. Door trim units
12. Protection plates
13. Weatherstripping for exterior doors
14. Sound stripping for interior doors
15. Automatic drop seals (door bottoms)
16. Astragals or meeting seals on pairs of doors
17. Thresholds

C. Related Sections: The following Sections contain requirements that relate to this Section:
1. Section 01 2000: Price and Payment Procedures
2. Section 08 1113: Hollow Metal Doors and Frames
3. Section 08 4113: Aluminum -Framed Entrances And Storefronts
4. Section 08 1416: FlushWood Doors
5. Division 26: Electrical

1.3 REFERENCES

A. Standards of the following as referenced:
1. American National Standards Institute (ANSI)
2. Door and Hardware Institute (DHI)
3. Factory Mutual (FM)
4. Life Safety Code (NFPA 101)
5. National Fire Protection Association – Doors and Windows (NFPA 80)

6. Underwriters' Laboratories, Inc. (UL)
   a. UL 10C - Fire Tests Door Assemblies
7. Warnock Hersey
8. State Building Codes, Local Amendments.

B. Regulatory standards of the following as referenced:
   1. Department of Justice, Office of the Attorney General, Americans with Disabilities Act, Public Law 101-336 (ADA).
   2. CABO/ANSI A117.1: Providing Accessibility and Usability for Physically Handicapped People, 1992 edition.

1.4 SUBMITTALS

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification sections.

B. Product data including manufacturers' technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements. For items other than those scheduled in the “Headings” of Section 3, provide catalog information for the specified items and for those submitted.

C. Final hardware schedule coordinated with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
   1. Final Hardware Schedule Content: Based on hardware indicated, organize schedule into vertical format “hardware sets" indicating complete designations of every item required for each door or opening. Use specification Heading numbers with any variations suffixed a, b, etc. Include the following information:
      a. Type, style, function, size, and finish of each hardware item.
      b. Name and manufacturer of each item.
      c. Fastenings and other pertinent information.
      d. Location of each hardware set cross-referenced to indications on Drawings both on floor plans and in door and frame schedule.
      e. Explanation of all abbreviations, symbols, and codes contained in schedule.
      f. Mounting locations for hardware.
      g. Door and frame sizes and materials.
      h. Keying information.
      i. Cross-reference numbers used within schedule deviating from those specified.
         1) Column 1: State specified item and manufacturer.
         2) Column 2: State prior approved substituted item and its manufacturer.
   2. Furnish complete wiring diagrams, riser diagrams, elevation drawings and operational descriptions of electrical components and systems, listed by opening in the hardware submittals. Elevation drawings shall identify locations of the system components with respect to their placement in the door opening. Operational descriptions shall fully detail how each electrical component will function within the opening, including all conditions of ingress and egress. Provide a copy with each hardware schedule submitted for approval. Supply a copy with delivery of hardware to the jobsite and another copy to the Owner at the time of project completion.
   3. Submittal Sequence: Submit final schedule at earliest possible date particularly where acceptance of hardware schedule must precede fabrication of other work that is critical in the Project construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by door hardware, and other information essential to the coordinated review of schedule.

4. Keying Schedule: Submit separate detailed schedule indicating clearly how the Owner's final instructions on keying of locks has been fulfilled.

D. Templates for doors, frames, and other work specified to be factory prepared for the installation of door hardware. Check shop drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

E. Contract closeout submittals:
1. Operation and maintenance data: Complete information for installed door hardware.
2. Warranty: Completed and executed warranty forms.

1.5 QUALITY ASSURANCE

A. Single Source Responsibility: Obtain each type of hardware (latch and locksets, hinges, closers, etc.) from a single manufacturer.

B. Supplier Qualifications: A recognized architectural door hardware supplier, with warehousing facilities in the Project's vicinity, that has a record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that employs an experienced Architectural Hardware Consultant (AHC) who is available for consultation to Owner, Architect, and Contractor, at reasonable times during the course of the Work.

C. Coordination Meetings:
1. Contractor shall set up and attend the following:
a. Lock distributor to meet with the Owner to finalize lock functions and keying requirements and to obtain final instructions in writing.
b. Lock distributor and lock, closer and exit device manufacturer to meet with the installer prior to beginning of installation of door hardware. Instruct installer on proper installation of specified products.
2. General Contractor shall set up and attend the following:
a. Meet with the Owner, General Contractor, Supplier, electrical and security contractors to coordinate all electrical hardware items. Supplier to provide riser diagrams, elevation drawings, wiring diagrams and operational descriptions as required by the General and sub-contractors.

D. Fire-Rated Openings: Provide door hardware for fire-rated openings that complies with NFPA Standard No. 80 requirements of authorities having jurisdiction. Provide only items of door hardware that are listed and tested by UL or Warnock Hersey for given type/size opening and degree of label. Provide proper latching hardware, door closers, approved-bearing hinges and seals whether listed in the Hardware Schedule or not. All hardware shall comply with State and local codes and UL 10C.
1. Where emergency exit devices are required on fire-rated doors, (with supplementary marking on doors' UL labels indicating "Fire Door to be equipped with Fire Exit Hardware") provide UL label on exit devices indicating "Fire Exit Hardware".

E. All hardware is to comply with Federal and State Handicap laws. Provide tactile warning at the back of all outside levers to electrical, mechanical, machine rooms and doors that lead to hazardous areas.

1.6 PRODUCT HANDLING

A. Tag each item or package separately with identification related to final hardware schedule, and include basic installation instructions with each item or package.

B. Packaging of door hardware is responsibility of supplier. As material is received by hardware supplier from various manufacturers, sort and repackage in containers clearly marked with appropriate hardware set number to match set numbers of approved hardware schedule. Two or more identical sets may be packed in same container.

C. Inventory door hardware jointly with representatives of hardware supplier and hardware installer until each is satisfied that count is correct.

D. Deliver individually packaged door hardware items promptly to place of installation (shop or Project site).

E. Provide secure lock-up for door hardware delivered to the Project, but not yet installed. Control handling and installation of hardware items that are not immediately replaceable so that completion of the Work will not be delayed by hardware losses both before and after installation.

1.7 WARRANTY

A. Special warranties:
1. Door Closers: Ten year period
2. Locks and Cylinders: Five year period
3. Exit Devices: Five Year period

1.8 MAINTENANCE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 MANUFACTURED UNITS
(*Denotes manufacturer referenced in the Hardware Headings)

A. Hinges:
1. Acceptable manufacturers:
a. Stanley
b. Ives
c. McKinney
2. Characteristics:
a. Templates: Provide only template-produced units.
b. Screws: Provide Phillips flat-head screws complying with the following requirements:
1) For metal doors and frames install machine screws into drilled and tapped holes.
2) For wood doors and frames install threaded-to-the-head wood screws.
3) For fire-rated wood doors install #12 x 1-1/4 inch, threaded-to-the-head steel wood screws.
4) Finish screw heads to match surface of hinges or pivots.
c. Hinge pins: Except as otherwise indicated, provide hinge pins as follows:
1) Out-Swing Corridor Doors with Locks: Non-removable pins.
2) Interior Doors: Non-rising pins.
3) Tips: Flat button and matching plug. Finished to match leafs.

d. Size: Size hinges in accordance with specified manufacturer's published recommendations.
e. Quantity: Furnish one pair of hinges for all doors up to 5'-0" high. Furnish one hinge for each additional 2-1/2 feet or fraction thereof.

B. Continuous Hinges:
1. Acceptable manufacturers:
a. Stanley
b. Select Products
c. Markar
2. Characteristics:
a. Continuous gear hinges to be manufactured of extruded 6063-T6 aluminum alloy with anodized finish, or factory painted finish as scheduled.
b. All hinges are to be manufactured to template. Uncut hinges shall be non-handed and shall be a pinless assembly of three interlocking extrusions applied to the full height of the door and frame without mortising.
c. Vertical door loads shall be carried on chemically lubricated polyacetal thrust bearings. The door and frame leaves shall be continually geared together for the entire hinge length and secured with a full cover channel. Hinge to operate to a full 180°.
d. Hinges to be milled, anodized and assembled in matching pairs.
e. Provide UL listed continuous hinges at fire doors. Continuous hinges at fire doors shall meet the required ratings without the use of auxiliary fused pins or studs.

C. Cylinders:
1. Acceptable manufacturers:
a. Best (Stanley Security Systems) – SFIC (FACILITY STANDARD)

2. Characteristics:
a. Furnish locks with Temporary cores and temporary construction keys.
b. Furnish SFIC rim or mortise cylinders for exit devices, mullions and other doors as required with temporary SFIC cores and construction keys.
c. Deliver temporary keys, including temporary control keys to Contractor.
d. Metals: Construct lock cylinder parts from brass or bronze, stainless steel, or nickel silver.
e. Furnish a list of cylinder types, locations (door numbers) and quantities required for the project to the owner with submittals.
f. Key Material: Provide keys of nickel silver only.
g. Key Quantity: Furnish 10 temporary construction keys and 2 temporary control keys to the Contractor.

D. Locksets, Latchsets, Deadbolts:
1. Acceptable manufacturers:
a. Stanley/Best - 9K Series.
b. Sargent Manufacturing– 10-Line Series.
c. Schlage ND Series.
2. Cylindrical Locksets and Latchsets: as scheduled.

a. Basis of design: Best 9K.
b. Certifications:
1) ANSI A156.2-2003, Series 4000, Grade 1.

E. Exit Devices:
1. Acceptable manufacturers
a. Precision (PHI) – Apex 2000 Series
b. Sargent - 80 Series
c. Von Duprin - 98 Series

2. Characteristics
a. Exit devices to be UL Listed for life safety. Exit devices for fire rated openings to have “UL" labels for “Fire Exit Hardware."
b. Exit devices mounted on labeled wood doors to be mounted on the door per the door manufacturer’s requirements.
c. All trim to be thru-bolted to the lock stile case.
d. Lever trim to be solid case material with a break-away feature at exterior locations to limit damage to the unit from vandalism. Lever design to match locksets.
e. All exit devices to be made of brass, bronze, or stainless steel material. Aluminum or powder coated steel finishes are not acceptable. All devices shall feature a Pullman latch.
f. Provide glass bead conversion kits to shim exit devices on doors with raised glass beads.
g. Furnish steel or aluminum mullions with key-removable feature as scheduled.
h. All exit devices and mullions to be one manufacturer. No deviation will be considered.
i. Surface vertical rod devices to be UL labeled for fire door applications without the use of bottom rod assemblies. Where bottom rods are required for security applications, the devices to be UL labeled for fire doors applications with rod and latch guards by the device manufacturer.

F. Closers and Door Control Devices:
1. Acceptable manufacturers:
a. Stanley Door Closers – D-4550 Series
b. Sargent Manufacturing – 351 Series.
c. LCN – 4040XP Series
2. Characteristics:
a. Door closers shall have fully hydraulic, full rack and pinion action with one-piece body.
b. Furnish closers with special brackets, shims drop plates and fasteners as required for a complete installation. Closers shall be installed on wood doors with sex-nuts and bolts (SNB).
c. Spring power shall be continuously adjustable over the full range of closer sizes, and allow for reduced opening force for the physically handicapped. Closers shall have separate adjustment for latch speed, general speed and back check.
d. All closers (overhead, surface and concealed) shall be of one manufacturer and carry manufacturer's ten year warranty.
e. Access-Free Manual Closers: Where manual closers are indicated for doors required to be accessible to the physically handicapped provide adjustable units complying with ADA and ANSI A-117.1 provisions for door opening force.
f. Closers to be installed to allow door swing as shown on plans. Doors swinging into exit corridors shall provide for corridor clear width as required by code. Where possible, mount closers inside rooms.
g. Powder coating finish to be certified to exceed 100 hours salt spray testing by ETL, an independent testing laboratory used by BHMA for ANSI certification.

G. Overhead Door Holders:
   1. Acceptable manufacturers:
      a. Glynn Johnson
      b. ABH
      c. Rockwood
   2. Characteristics:
      a. Hvy Duty Series.

H. Floor Stops and Wall Bumpers:
   1. Acceptable manufacturers:
      a. Trimco
      b. Ives
      c. Rockwood Manufacturing
   2. Characteristics: Refer to Hardware Headings.

I. Door Bolts/Coordinators:
   1. Acceptable manufacturers:
      a. Trimco
      b. Ives
      c. Rockwood Manufacturing
   2. Characteristics:
      a. Flush bolts to be forged brass 6-3/4" x 1", with 1/2" diameter bolts. Plunger to be supplied with milled surface one side that fits into a matching guide.
      b. Automatic flush bolts to be UL listed as top and bottom bolts on a pair of classified fire doors. Bolt construction to be of rugged steel and brass components.
      c. Self-latching flush bolts to be UL listed as top and bottom bolts on a pair of classified fire doors. Bolt construction to be of rugged steel and brass components.
      d. Automatic flush bolts and self-latching flush bolts shall be UL listed for fire door application without bottom bolts.
      e. Furnish dust proof bottom strikes.
      f. Coordinator to be soffit mounted non-handed fully automatic UL listed coordinating device for sequential closing of paired doors with or without astragals.
      g. Provide filler pieced to close the header. Provide brackets as required for mounting of soffit applied hardware.

J. Push Plates:
   1. Acceptable manufacturers:
      a. Trimco
      b. Ives
      c. Rockwood Manufacturing
   2. Characteristics:
      a. Exposed Fasteners: Provide manufacturers standard exposed fasteners.
      b. Provide plates sized as shown in Hardware Headings.

K. Door Pulls & Pull Plates:
1. Acceptable manufacturers:
   a. Trimco
   b. Ives
   c. Rockwood Manufacturing
2. Characteristics:
   a. Provide concealed thru-bolted trim on back to back mounted pulls, but not for single units.
   b. Material to be stainless steel.
   c. Provide units of type and sizes as shown in Hardware Headings.

L. Protective Plates:
1. Acceptable manufacturers:
   a. Trimco
   b. Ives
   c. Rockwood Manufacturing
2. Characteristics:
   a. Provide manufacturers standard exposed fasteners for door trim units consisting of either machine screws or self-tapping screws.
   b. Materials:
      1) Metal Plates: Stainless Steel, .050 inch (U.S. 18 gage).
   c. Fabricate protection plates not more than 2 inches less than door width on push side and not more than 1 inch less than door width on pull side.
   d. Heights:
      1) Kick plates to be 10 inches in height.
      2) Mop plates to be 4 inches in height.
      3) Armor plates to be 34 inches in height. Armor plates on fire doors to comply with NFPA 80.

M. Thresholds:
1. Acceptable manufacturers:
   a. National Guard Products, Inc.
   b. Pemko Mfg.
   c. Reese.
2. Types: Indicated in Hardware Headings.

N. Door Seals/Gasketing:
1. Acceptable manufacturers:
   a. National Guard Products, Inc.
   b. Pemko Mfg.
   c. Reese.
2. Types: Indicated in Hardware Headings.

O. Silencers:
1. Acceptable manufacturers:
   a. Trimco
   b. Hager
   c. Rockwood Manufacturing
2. Three for each single door; two for each pair of doors.

2.2 MATERIALS AND FABRICATION

F. Manufacturer's Name Plate: Do not use manufacturers' products that have manufacturer's name or trade name displayed in a visible location (omit removable nameplates) except in conjunction with required fire-rated labels and as otherwise acceptable to Architect.
   1. Manufacturer's identification will be permitted on rim of lock cylinders only.

G. Base Metals: Produce hardware units of basic metal and forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness, but in no case of lesser (commercially recognized) quality than specified for applicable hardware units by applicable ANSI/BHMA A156 series standards for each type of hardware item and with ANSI/BHMA A156.18 for finish designations indicated. Do not furnish "optional" materials or forming methods for those indicated, except as otherwise specified.

H. Fasteners: Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
   1. Do not provide hardware that has been prepared for self-tapping sheet metal screws, except as specifically indicated.
   2. Furnish screws for installation with each hardware item. Provide Phillips flat-head screws except as otherwise indicated. Finish exposed (exposed under any condition) screws to match hardware finish or, if exposed in surfaces of other work, to match finish of this other work as closely as possible including “prepared for paint" surfaces to receive painted finish.
   3. Provide concealed fasteners for hardware units that are exposed when door is closed except to the extent no standard units of type specified are available with concealed fasteners.
   4. Use thru-bolts for installation of all exit devices, closers, and surface-mounted overhead stops. Coordinate with wood doors and metal doors and frames. Where thru-bolts are used, provide sleeves for each thru-bolt as a means of reinforcing the work, or provide sex nuts and bolts.

2.3 HARDWARE FINISHES

F. Match items to the manufacturer’s standard color and texture finish for the latch and lock sets (or push-pull units if no latch or lock sets).

G. Provide finishes that match those established by ANSI or, if none established, match the Architect’s sample.

H. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer’s standards, but in no case less than specified by referenced standards for the applicable units of hardware.

I. Provide protective lacquer coating on all exposed hardware finishes of brass, bronze, and aluminum, except as otherwise indicated. The suffix "-NL" is used with standard finish designations to indicate "no lacquer."

J. The designations used to indicate hardware finishes are those listed in ANSI/BHMA A156.18, "Materials and Finishes," including coordination with the traditional U.S. finishes shown by certain manufacturers for their products.
   1. Hinges: 652 (US26D) Satin Chrome Plated Steel or 630 (US32D) Satin Stainless Steel.
   2. Continuous Hinges: 628 (US28) Clear Anodized Aluminum
   3. Flush Bolts: 626 (US26D) Satin Chrome Plated Brass/Bronze
   4. Exit Devices: 630 (US32d) (US32D) Satin Stainless Steel.

5. Locks: 626 (US26D) Satin Chrome Plated
6. Door Closers: 689 Powder Coat Aluminum
7. Push Plates: 630 (US32D) Satin Stainless Steel
8. Pull Plates: 630 (US32D) Satin Stainless Steel
9. Push Pull Sets: 630 (US32D) Satin Stainless Steel
10. Protective Plates: 630 (US32D) Satin Stainless Steel
11. Door Stops: 626 (US26D) Satin Chrome Plated Brass/Bronze
12. Overhead Holders: 652 (US26D) Satin Chrome Plated Steel or 630 (US32D) Satin Stainless Steel.
13. Thresholds: Mill finish Extruded Aluminum.
14. Weatherstripping: 627/628 (US27/US28) Aluminum
15. Acoustical Seals, Door Bottoms, and Thresholds: Anodized Aluminum

PART 3 - EXECUTION

3.1 INSTALLATION

A. Mount hardware units at heights indicated in following applicable publications, except as specifically indicated or required to comply with governing regulations and except as otherwise directed by Architect.
   1. "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute.
   2. "Recommended Locations for Builders Hardware for Custom Steel Doors and Frames" by the Door and Hardware Institute.
   3. NWWDA Industry Standard I.S.1.7, "Hardware Locations for Wood Flush Doors."

B. Install each hardware item in compliance with the manufacturer's instructions and recommendations. Where cutting and fitting is required to install hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation or application of surface protection with finishing work specified in the Division 9 Sections. Do not install surface-mounted items until finishes have been completed on the substrates involved.

C. Set units level, plumb, and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.

D. Install wood blocking in drywall partitions where wall stops are to be mounted.

E. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

F. Set thresholds for exterior doors in full bed of butyl-rubber or polyisobutylene mastic sealant complying with requirements specified in Division 7 Section “Joint Sealers”.

G. Weatherstripping and Seals: Comply with manufacturer's instructions and recommendations to the extent installation requirements are not otherwise indicated.

3.2 ADJUSTING, CLEANING, AND DEMONSTRATING

A. Adjust and check each operating item of hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate freely and smoothly or as intended for the application made.
   1. Where door hardware is installed more than one month prior to acceptance or occupancy of a space or area, return to the installation during the week prior to acceptance or occupancy and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to function properly with final operation of heating and ventilating equipment.

B. Clean adjacent surfaces soiled by hardware installation.

C. Door Hardware Supplier's Field Service:
   1. Inspect door hardware items for correct installation and adjustment after complete installation of door hardware.
   2. Instruct Owner's personnel in the proper adjustment and maintenance of door hardware and hardware finishes.
   3. File written report of this inspection to Architect.

D. Manufacturer, Finish and Option Abbreviations:

Manufacturer List

Code	Name
AB	ABH Manufacturing Inc.
BE	Best Access Systems
BY	By Others
NA	National Guard
PR	Precision
SD	Stanley Door Closers
ST	Stanley
TR	Trimco

Finish List

Code	Description
AL	Aluminum
S1	Sprayed Aluminum Finish
626	Satin Chromium Plated
630	Satin Stainless Steel
689	Aluminum Painted
BLACK	Black
US26D	Chromium Plated, Dull
US32D	Stainless Steel, Dull

Option List

Code	Description
C4	CAM-STANDARD CAM
CD	CYLINDER DOGGING
FL	Fire Exit Hardware

HC	Hurricane Code Device
RP	RINGS-RIM CYLINDER
S3	ANSI Strike Package
SN	Sex Nuts (Pkg. of 4)
WS	Wind Storm Listed (Miami-Dade/Florida)
3/4	3/4" THROW LATCH
B4E	BEVELED 4 EDGES - KICK PLATES
CSK	COUNTER SINKING OF KICK and MOP PLATES
LBR	LESS BOTTOM ROD
NRP	NON REMOVEABLE PIN STD/HEAVY WT HINGE
RP3	RINGS-7 PIN MORTISE
S458	OPT. ROLLER. STRIKE - RIM DEVICES
SNB (2)	SEX BOLTS (2)

3.3 HARDWARE SETS

SET #1 (Single Hollow metal door with panic / exit device)

3	Hinges	CB199 4 1/2 X 4 1/2 NRP	US32D	ST
1	Exit Device	HC 2108 X 4908A CD S458 SNB (2)	630	PR
1	Mortise Cylinder	1E-74 PATD C4 RP3	626	BE
1	Rim Cylinder	12E-72 PATD RP	626	BE
1	Door Closer	CLD-4550 CS SN	689	SD
1	Kick Plate	KO050 10" x 2" LDW B4E CSK	630	TR
1	Gasketing	127 NA @ Head and Jambs		NA
1	Drip Cap	16 A 4"ODW		NA
1	Brush Door Sweep	C627 A		NA
1	Saddle Threshold	425	AL	NA

SET #2 (Pair of Hollow metal door with panic / exit devices)

6	Hinges	CB168 4 1/2 X 4 1/2	US26D	ST
2	Exit Device	FL 2214 X 4914A LBR	630	PR
2	Door Closer	CLD-4550 EDA SN	689	SD
2	Kick Plate	KO050 10" x 1" LDW B4E CSK	630	TR
2	Wall Bumper	1270WV	630	TR
1	Seal	5075 B 84"		NA
1	Seal	5075 B 72"		NA
1	Astragal Set	9115 A SET		NA

SET #3

NOTE: Overhead coiling door all hardware by the coiling door Mfg.

SECTION 08 80 00 - GLAZING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes glazing for the following products and applications, including those specified in other Sections where glazing requirements are specified by reference to this Section:
   1. Windows.
   2. Doors.
   3. Glazed entrances.
   4. Storefront framing.

1.2 DEFINITIONS

A. Inter-space: Space between lites of an insulating-glass unit that contains dehydrated air or a specified gas.
B. Deterioration of Coated Glass: Defects developed from normal use that are attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in metallic coating.
C. Deterioration of Insulating Glass: Failure of hermetic seal under normal use that is attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.
D. Deterioration of Laminated Glass: Defects developed from normal use that are attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.

1.3 PERFORMANCE REQUIREMENTS

A. General: Provide glazing systems capable of withstanding normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, and installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.
B. Glass Design: Glass thickness designations indicated are minimums and are for detailing only. Confirm glass thicknesses by analyzing Project loads and in-service conditions. Provide glass lites in the thickness designations indicated for various size openings, but not less than thicknesses and in strengths (annealed or heat treated) required to meet or exceed the following criteria:
   1. Glass Thicknesses: Select minimum glass thicknesses to comply with ASTM E 1300, according to the following requirements:
      a. Specified Design Wind Loads: **As indicated on Drawings**, but not less than wind loads applicable to Project as required by ASCE 10 "Minimum Design Loads for Buildings and Other Structures":
      b. Probability of Breakage for Vertical Glazing: 8 lites per 1000 for lites set vertically or not more than 15 degrees off vertical and under wind action.
      c. Probability of Breakage for Sloped Glazing: 1 lite per 1000 for lites set more than 15 degrees off vertical and under wind and snow action.
      d. Minimum Glass Thickness for Exterior Lites: Not less than **6.0** mm.

e. Thickness of Tinted and Heat-Absorbing Glass: Provide the same thickness for each tint color indicated throughout Project.
f. Windborne-Debris-Impact-Resistance-Test Performance: Provide glazing for aluminum-framed systems that pass large and small missile-impact tests and cyclic-pressure tests according to the requirements of The Florida Building Code.

C. Thermal Movements: Provide glazing that allows for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures acting on glass framing members and glazing components. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

D. Thermal and Optical Performance Properties: Provide glass with performance properties specified based on manufacturer's published test data, as determined according to procedures indicated below:
1. For monolithic-glass lites, properties are based on units with lites 6.0 mm thick.
2. For laminated-glass lites, properties are based on products of construction indicated.
3. For insulating-glass units, properties are based on units of thickness indicated for overall unit and for each lite **6.0 mm thick** and a nominal 1/2-inch- (12.7-mm) wide interspace.
4. Center-of-Glass Values: Based on using LBL-44789 WINDOW 5.0 computer program for the following methodologies:
a. U-Factors: NFRC 100 expressed as Btu/ sq. ft. x h x deg F (W/sq. m x K).
b. Solar Heat Gain Coefficient: NFRC 200.
c. Solar Optical Properties: NFRC 300.

1.4 SUBMITTALS

A. Provide manufacturer’s documentation indicating separate percentages, by weight, of post-consumer and pre-consumer recycled content. Also include material costs, excluding cost of installation.

B. Provide manufacturer’s documentation indicating location of manufacturing facility and location where the base materials were extracted, mined, quarried, harvested, etc. Include address and distance to the project site for both manufacture and harvest. Also include material costs, excluding cost of installation.

C. Product Data: For each glass product and glazing material indicated.
D. Samples: 12-inch- (300-mm-) square, for each type of glass product indicated, other than monolithic clear float glass.
E. Glazing Schedule: Use same designations indicated on Drawings.
F. Preconstruction Adhesion and Compatibility Test Report: From glazing sealant manufacturer.
G. Provide Florida Product Approval numbers on submittals.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An experienced installer who has completed glazing similar in material, design and extent to that indicated for this Project; whose work has resulted in glass installations with a record of successful in-service performance; and who employs glass installers for this Project who are certified under the National Glass Association’s Program.
B. Preconstruction Adhesion and Compatibility Testing: Submit to elastomeric glazing sealant manufacturers, for testing according to ASTM c 1087, samples of each glazing material type, tape sealant, gasket, glazing accessory, and glass-framing member that will contact or affect elastomeric glazing sealants:
C. Glazing for Fire-Rated Door and Window Assemblies: Glazing for assemblies that comply with NFPA 80 and that are listed and labeled by a testing and inspecting agency acceptable to

authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 257.

D. Safety Glazing Products: It shall be the responsibility of the glazing supplier/subcontractor to provide safety glass in areas as required to meet the Florida Building and Testing requirements in 16 CFR 1201.

E. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.
   1. GANA Publications: GANA Laminated Division's "Laminated Glass Design Guide" and GANA's "Glazing Manual."
   2. AAMA Publications: AAMA GDSG-1, "Glass Design for Sloped Glazing," and AAMA TIR-A7, "Sloped Glazing Guidelines."
   3. IGMA Publication for Sloped Glazing: IGMA TB-3001, "Sloped Glazing Guidelines."
   4. IGMA Publication for Insulating Glass: SIGMA TM-3000, "Glazing Guidelines for Sealed Insulating Glass Units."

F. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of the Insulating Glass Certification Council.

G. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
   1. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.6 WARRANTY

A. Manufacturer's Special Warranty for Coated-Glass Products: Manufacturer's standard form, made out to Owner and signed by coated-glass manufacturer agreeing to replace coated-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.
   1. Warranty Period: **10** years from date of Substantial Completion.

B. Manufacturer's Special Warranty on Laminated Glass: Manufacturer's standard form, made out to Owner and signed by laminated-glass manufacturer agreeing to replace laminated-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.
   1. Warranty Period: **Five** years from date of Substantial Completion.

C. Manufacturer's Special Warranty on Insulating Glass: Manufacturer's standard form, made out to Owner and signed by insulating-glass manufacturer agreeing to replace insulating-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.
   1. Warranty Period: **10** years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 GLASS PRODUCTS

A. Annealed Float Glass: ASTM C 1036, Type I (transparent flat glass), Quality-Q3; of class indicated.

B. Heat-Treated Float Glass: ASTM C 1048; Type I (transparent flat glass); Quality-Q3; of class, kind, and condition indicated.
   1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed, unless otherwise indicated.
   2. Provide Kind HS (heat-strengthened) float glass in place of annealed float glass where needed to resist thermal stresses induced by differential shading of individual glass lites and to comply with glass design requirements specified in Part 1 "Performance Requirements" Article.

3. For uncoated glass, comply with requirements for Condition A.
4. For coated vision glass, comply with requirements for Condition C (other uncoated glass).
5. Provide Kind FT (fully tempered) float glass in place of annealed or Kind HS (heat-strengthened) float glass where safety glass is indicated.

C. Tempered Glass: ASTM C 1048, Kind FT (Fully tempered), Type I (Transparent flat glass) Quality-Q-1, Class I (clear).
1. Safety glazing locations are defined by the Florida Building Code for specific required locations.

D. Low-e-coated, tinted, insulating glass: (AT ALL EXTERIOR ENTRANCES)
1. Basis of Design: Solarban 70XL Clear / Clear insulated unit.
2. Overall Unit Thickness: **1 inch (30 mm)**.
3. Thickness of Outdoor Lite: ¼".
4. Outdoor Lite: Tinted heat-strengthened float glass
5. Interspace Content: **Argon**.
6. Indoor Lite: Clear heat strengthened fully tempered float glass
   a. Thickness of Glass Ply: ¼".
7. Low-E Coating: **Pyrolytic or sputtered on second surface**.
8. **Summer Daytime U-Factor: 0.45 maximum**.
9. **Solar Heat Gain Coefficient: 0.25 maximum**.
10. Provide safety glazing labeling.
11. Glass color: Clear

2.2 GLAZING GASKETS

A. Lock-Strip Gaskets: Aluminum door and window manufacturer's standard extrusions in size and shape required, fabricated into frames with molded corner units and lock stirps, complying with ASTM C 542, black.

B. Dense Compression Gaskets: Molded or extruded gaskets of material indicated below complying with standards referenced with name of elastomer indicated below, and of profile and hardness required to maintain watertight seal:
1. Neoprene, ASTM C 864.
2. EPDM, ASTM C 864.
3. Silicone, ASTM C 1115.
4. Thermoplastic polyolefin rubber, ASTM c 1115.
5. Any material indicated above.

C. Soft Compression Gaskets: Extruded or molded, closed-cell, integral-skinned gaskets of material indicated below; complying with ASTM C 509, Type II, black; and of profile and hardness required to maintain watertight seal:
1. Neoprene.
2. EPDM.
3. Silicone.
4. Thermoplastic polyolefin rubber.
5. Any material indicated above.

2.3 GLAZING SEALANTS

A. General: Provide products of type indicated, complying with the following requirements:
1. Compatibility: Select glazing sealants that are compatible with one another and with other materials they will contact, including glass products and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.

2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
3. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range.

B. Elastomeric Glazing Sealants: Comply with ASTM C 920 and other requirements indicated for each liquid-applied chemically curing sealant specified, including those referencing ASTM C 920 classifications for type, grade, class, and uses related to exposure and joint substrates.
1. Single-Component Neutral-Curing Silicone Glazing Sealants:
a. Products:
1) Dow Corning Corporation; 790.
2) GE Silicones; SilPruf LM SCS2700.
3) GE Silicones; SilPruf SCS2000.
4) Pecora Corporation; 964.
5) Pecora Corporation; 890
6) Polymeric Systems Inc.; PSI-641.
7) Soneborn, Div. Of ChemRex, Inc.; Omniseal.
8) Tremco; Spectrem 3.
b. Type and Grade: S (single component) and NS (non-sag).
c. Class: 50.
d. Use Related to Exposure: NT (non-traffic).
e. Uses Related to Glazing Substrates: M, G, A, and, as applicable to glazing substrates indicated, O.

2.4 GLAZING TAPES

A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based elastomeric tape with a solids content of 100 percent; non-staining and non-migrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; packaged on rolls with a release paper backing; and complying with ASTM C 1281 and AAMA 800 for products indicated below:
1. AAMA 804.3 tape, where indicated.
2. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
3. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.

B. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; packaged on rolls with release liner protecting adhesive; and complying with AAMA 800 for the following types:
1. Type 1, for glazing applications in which tape acts as the primary sealant.
2. Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.5 MISCELLANEOUS GLAZING MATERIALS

A. General: Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
C. Setting Blocks: Elastomeric material with a Shore, Type A durometer hardness of 85, plus or minus 5.

D. Spacers: Elastomeric blocks or continuous extrusions with a Shore, Type A durometer hardness required by glass manufacturer to maintain glass lites in place for installation indicated.
E. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).
F. Cylindrical Glazing Sealant Backing: ASTM C 1330, Type C (closed-cell material with a surface skin)), polyurethane foam rod, oversized 20 to 50 percent larger than joint width, as approved in writing by joint-sealant manufacturer for joint application indicated, and of size and density to control glazing sealant depth and otherwise contribute to producing optimum sealant performance.

2.6 FABRICATION OF GLAZING UNITS

A. Fabricate glazing units in sizes required to glaze openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.

PART 3 - EXECUTION

3.1 GLAZING

A. General: Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.
   1. Glazing channel dimensions, as indicated on Drawings, provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances. Adjust as required by Project conditions during installation.
   2. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.
   3. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction sealant-substrate testing.
   4. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.
   5. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.
   6. Provide spacers for glass lites where length plus width is larger than 50 inches (1270 mm).
   7. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.
B. Tape Glazing: Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.
   1. Cover vertical framing joints by applying tapes to heads and sills first and then to jambs. Cover horizontal framing joints by applying tapes to jambs and then to heads and sills.
   2. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
   3. Apply heel bead of elastomeric sealant.
   4. Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.

5. Apply cap bead of elastomeric sealant over exposed edge of tape.

C. Gasket Glazing (Dry): Fabricate compression gaskets in lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.
   1. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.
   2. Center glass lites in openings on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
   3. Install gaskets so they protrude past face of glazing stops.

D. Sealant Glazing (Wet): Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.
   1. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.
   2. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

3.2 CLEANING AND PROTECTION

A. Protect exterior glass from damage immediately after installation by attaching crossed streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels, and clean surfaces. Protect glass from contact with contaminating substances resulting from construction operations, including weld splatter. If, despite such protection, contaminating substances do come into contact with glass, remove substances immediately as recommended by glass manufacturer.

B. Remove and replace glass that is broken, chipped, cracked, or abraded or that is damaged from natural causes, accidents, and vandalism, during construction period.

3.3 GLASS SCHEDULE

A. TYPE **CG**: **Clear Class**
At designated locations provide:
Nominal ¼" thick clear float glass

B. TYPE **TG**: **Tempered Glass**
At designated location provide:
Nominal ¼" thick fully tempered clear float glass

C. TYPE **LG**: **Laminated Glass**
At designated interior locations provide:
Exterior Pane: ¼" clear fully tempered float glass.
Interlayer: 0.090 inch thick complying with large missile impact testing and wind speed Requirement of Florida Building Code.
Interior Pane: Same as type **'TG"** (tempered glass) as above.

D. TYPE **XG**: **Insulated, Tempered, Low 'e' Glass**
At all exterior entrances:
Exterior Pane: ¼' Solarban 60 fully tempered float glass, Color to match existing glazing
Airspace: ½" air space
Interior Pane: ¼" clear fully tempered float glass