



INVITATION FOR BID (IFB)

IFB Number	Scope Number	Closing Date	Closing Time	Return IFB Submittal
PR109609	6411	3/4/2020	2:00pm CST	bids@synergynds.com

IFB Reference Information:	Gibbs Memorial Library – Roof Replacement			
Insured Property Owner:	City of Mexia			
Property Location Name:	Gibbs Memorial Library			
Address Line 1:	305 E. Rusk St.			
Address Line 2:	Enter Text Here			
City:	Mexia	State:	Texas	Zip Code: 76667

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 TML TurnKey Recovery ProgramSM administered by Synergy NDS, Inc. (SynergyNDS) on behalf of the Insured Property Owner, a Member of the Texas Municipal League (TML).

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 TML Insured Member.

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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 Texas Public Entity.
- *This IFB does not require a Pre-BID Meeting
- *This IFB supports workforce participation goals.

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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@synergynnds.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

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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 requirements 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-of-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@synergynnds.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.

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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 TML. 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

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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 repellent, 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.

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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 Texas'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.

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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 32935

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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

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\$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 Pollution Control 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

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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.

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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
PR109609	6411	3/4/2020	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	Roof Replacement	PROPOSAL:	\$
IFB TITLE	Click or tap here to enter text.	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)

PR109609 - Exhibit A

Project Summary: The Gibbs Memorial Library suffered extensive damage as a result of a fire which occurred in October of 2019. Demolition work has been completed. Majority of required mitigation work on the inside has been completed. The purpose of the invitation for bid is to solicit bids for the replacement of the entire roofing system. No other scopes of work are to be included in this bid.

Building Information:

Gibbs Memorial Library
305 E. Rusk St.
Mexia, TX 76667

Bidding Information:

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

This is a lump sum bid for all identified work:

Bid packets shall include the following:

- 1) Completed IFB Form.
- 2) All proposed materials to be used with manufacture warranty information (Where applicable).
- 3) Proposed timeline for project from beginning of project to completion.

Work Scope:

- Contractor shall coordinate all work with SynergyNDS.
- Engineer drawings provided with this IFB are solely for the purpose of bidding and are not to be considered the final construction set.
- Contractor shall field verify all measurements necessary to complete the structural rebuild.
- Roof Replacement:
 - Entire roof is approximately 84 total roofing squares.
 - Existing roofing material is composed of the following:
 - Approximately 2" of perlite insulation.
 - 1 layer of rolled roofing paper.
 - Fluid applied tar and gravel top.
 - Roof perimeter fascia and trim metal.
 - Various penetrations throughout the field.
 - Approximately 62 roofing squares will need to be demo'd down to the metal decking.

INVITATION FOR BID (IFB)

PR109609 - Exhibit A

- Contractor is responsible for proper disposal of all roofing materials.
- Decking is to be inspected prior to installation of new roofing materials.
- Installation of the new roof shall be done in accordance to the attached drawings.
 - New decking will already be installed on the east side (~2200SF) and should not be included in the lump sum bid number.
 - Provide and install primary and secondary roof drains as indicated in the drawings.
 - Roof details and requirements can be found on page A-102 of the included drawings.
 - Connection detail for east wing roof to wall has also been included and is the required method for attachment and flashing of the transition.
 - All exposed metal work shall match same color as currently present.
 - All roof penetrations shall be properly flashed as indicated.
 - Base Insulation: Install (loose laid) new, rigid, polyisocyanurate insulation that has a minimum thickness of 4 inches (min. long term thermal resistance (LTTR) of R25).
 - At drain locations, the base layer of insulation should be 3 inches thick to create a sump that extends at least 12 inches around the drains on all sides.
 - Install tapered insulation over the Base insulation. The tapered insulation should have a slope of ¼:12, directing water toward the drains.
 - Install high-density polyisocyanurate insulation board (coverboard) over the base and tapered insulation, and mechanically attach the roof insulation to the metal roof deck to resist the loads indicated on the roof plans. The coverboard shall have a minimum long-term thermal resistance (LTTR) of R-2. All roof products shall be installed to resist uplift loads of 50 pounds per square foot.
 - Tape the joints of the coverboard to prevent roofing asphalt from flowing into the joints. Install sufficient treated wood nailers around the perimeter of the roof areas to ensure that the top of the nailers is higher than the top of the coverboard.
 - Ensure that all roof curbs, vent stacks, or other penetrations are extended sufficiently above the roof to allow for proper flashing according to the industry standard of care (i.e. 8 inch minimum above the top of the finished roof surface).
 - Install a new 3-ply built-up (BUR) roofing system with a flood and gravel finish. Integrate curb, vent, penetration, and perimeter flashings with the installation of the new roofing system.

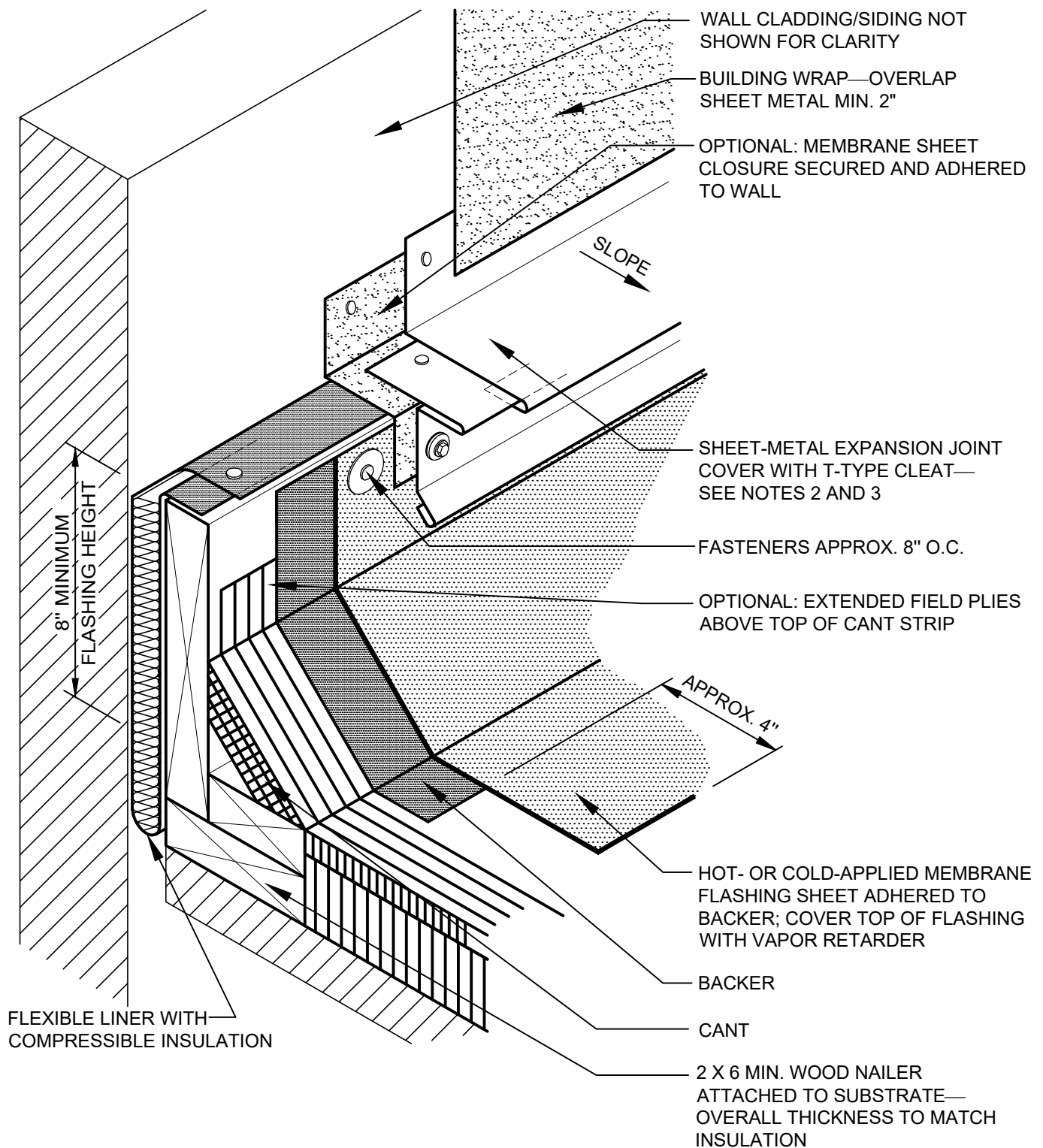
INVITATION FOR BID (IFB)

PR109609 - Exhibit A

- Install galvanized, pre-finished (color to match existing and to be approved by Owner) edge metal flashing around the perimeter of the roof line.
 - The edge metal shall be certified as having been fabricated and installed in accordance with the requirements of ANSI/SPRI ES-1.
 - Sheet metal to be fabricated and installed in accordance with all manufacturer's installation instructions and SMACNA requirements.
 - Utilize concealed splice plates for the edge metal system.
- The installed roof system shall qualify for a minimum 10-year No Dollar Limit (NDL) warranty to include labor and materials.
- Safety Expectations:
 - Contractor shall abide by all site safety requirements.
 - Contractor shall hold a Job Hazard Analysis (JHA) talk with workers each day prior to starting work for the day. A copy of the JHA shall be provided to the Project Manager each day.
 - Contractor and their workers are expected to utilize appropriate PPE for the task being performed each day.
 - Minimum PPE is to include but not limited to: Hard hat, safety glasses, safety shoes, gloves, etc.
 - Specialty trades may require additional PPE appropriate for the task being performed.
 - Contractor is responsible for installation of any addition signage and/or barriers as indicated for work being performed. (ex. Roof perimeter barriers, fall protection required signage, etc.)

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



NOTES:

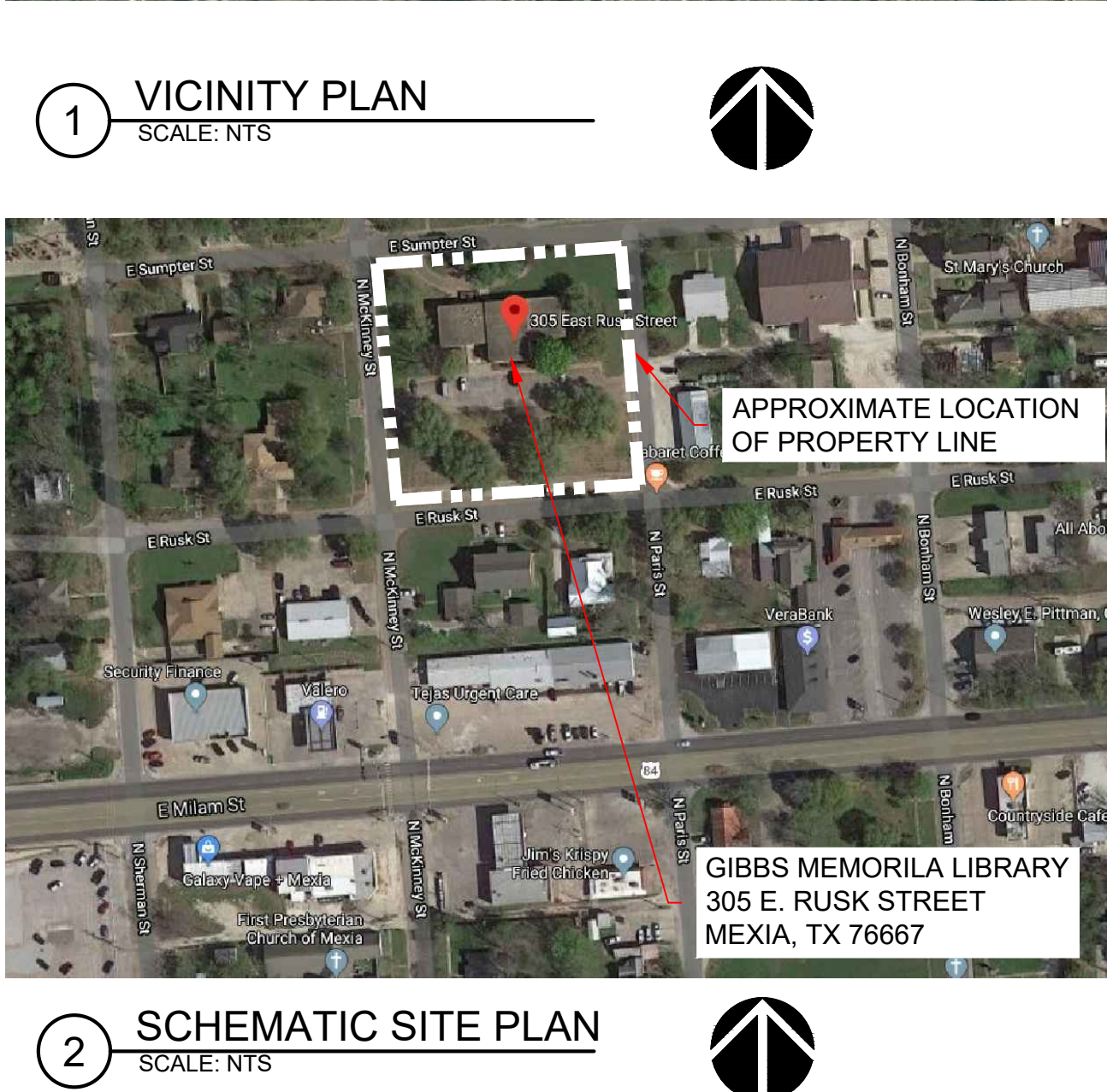
1. THIS DETAIL SHOULD BE USED WHEN THERE IS ANY POSSIBILITY DIFFERENTIAL MOVEMENT WILL OCCUR BETWEEN THE DECK AND WALL. THE WOOD MEMBERS SHOULD NOT BE FASTENED TO THE WALL.
2. REFER TO THE ARCHITECTURAL METAL FLASHING SECTION OF THE NRCA ROOFING MANUAL: ARCHITECTURAL METAL FLASHING, CONDENSATION AND AIR LEAKAGE CONTROL, AND REROOFING FOR DESIGN, JOINERY AND SECUREMENT OPTIONS FOR EXPANSION JOINT COVERS.
3. REFER TO THE INTRODUCTION OF THE CONSTRUCTION DETAILS CHAPTER FOR ADDITIONAL INFORMATION.

BASE FLASHING AT ROOF-TO-WALL EXPANSION JOINT (HOT- OR COLD-APPLIED FLASHING SYSTEMS)

305 E. RUSK STREET
MEXIA, TX 76667

PROJECT SCOPE	BUILDING DATA
1. THE INTENT OF THESE DRAWINGS IS FOR THE PERMITTING FOR THE REPAIR OF THE LIBRARY DUE TO A FIRE THAT OCCURRED SEPTEMBER 2019.	ADDRESS: 305 E. RUSK STREET MEXIA, TX 76667
2. THE DRAWINGS DETAIL THE SCOPE OF ARCHITECTURAL ROOF AND STRUCTURAL WORK.	PARCEL: 1095, 083-001-010
3. THERE ARE NO ADDITIONS TO THE BUILDING, BUT THE FLOOR PLAN IS RECONFIGURED TO CONFORM WITH CURRENT CODE REQUIREMENTS.	BUILDING AREA: 8,913 SQFT
	STORIES: 1
	YEAR BUILT: 1950,1975,1984
	USE GROUP: A3
	CONST. TYPE: II-A

1. CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS OF THE FOLLOWING CODES AND AMENDMENTS AS ADOPTED BY THE STATE OF TEXAS AND LIMESTONE COUNTY: 2018 INTERNATIONAL BUILDING CODE, 2018 INTERNATIONAL EXISTING BUILDING CODE, 2012 TEXAS ACCESSIBILITY CODE.	
2. DESIGN LOAD CRITERIA:	
ROOF DEAD LOAD	17 PSF
ROOF LIVE LOAD	20 PSF
FLOOR DEAD LOAD	15 PSF
FLOOR LIVE LOAD	40 PSF
WIND:	
BASIC WIND SPEED - 3 SEC GUST (ULT)	120 MPH
BASIC WIND SPEED - 3 SEC GUST (ASD)	95 MPH
TOPOGRAPHIC FACTOR (Kzt)	1.0
EXPOSURE CATEGORY	"C"
ENCLOSURE CLASSIFICATION	ENCLOSED
Gcpi	+/- 0.18
ROOF UPLIFT DESIGN PRESSURE ZONE-3 (ULT)	(-) 50 PSF
ROOF UPLIFT DESIGN PRESSURE ZONE-3 (ASD)	(-) 50 PSF
ROOF UPLIFT DESIGN PRESSURE ZONE-2 (ULT)	(-) 32 PSF
ROOF UPLIFT DESIGN PRESSURE ZONE-2 (ASD)	(-) 33 PSF
ROOF UPLIFT DESIGN PRESSURE ZONE-1 (ULT)	(-) 19 PSF
ROOF UPLIFT DESIGN PRESSURE ZONE-1 (ASD)	(-) 20 PSF
SEISMIC:	
SEISMIC OCCUPANCY CATEGORY	"III"
SEISMIC IMPORTANCE FACTOR (Ie)	1.25
REDUNDANCY FACTOR, RHO (N-S)	1.0
REDUNDANCY FACTOR, RHO (E-W)	1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS:	
Ss = 0.061g	
S1 = 0.032g	
SITE CLASS	"D"
SPECTRAL RESPONSE COEFFICIENTS:	
Sds = 0.065g	
Sd1 = 0.051g	
SEISMIC DESIGN CATEGORY	"B"
RESPONSE MODIFICATION FACTOR, R	3.25
SEISMIC FORCE RESISTANCE SYSTEM:	
STEEL ORDINARY CONCENTRICALLY BRACED FRAMES	
ANALYSIS PROCEDURE:	
EQUIVALENT LATERAL FORCE	
SEISMIC RESPONSE COEFFICIENT (Cp)	0.027



1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ACCESSIBILITY BEGINNING WORK. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER. ANY NECESSARY ADJUSTMENTS SHALL BE MADE AND THE PROJECT ENGINEER'S WRITTEN DIRECTION SHALL BE OBTAINED.
2. ALL DESIGN CHANGES SHALL BE SUBMITTED IN WRITING FOR REVIEW BY THE PROJECT ENGINEER.
3. ALL WRITTEN DIMENSIONS PER PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS.
4. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE CONSTRUCTION.
5. CONSTRUCTION DETAILS AND FEATURES SHOWN ON DRAWINGS ARE TO BE CONSIDERED. THE CONTRACTOR SHALL BE APPLIED GENERALLY THROUGHOUT THE ENTIRE PROJECT AT ALL TIMES.
6. NOTES AND DETAILS LABELED AS TYPICAL, IF INCLUDED, SHALL BE USED AS SUCH. IF SPECIFIC NOTES AND DETAILS ARE SHOWN ELSEWHERE WHERE THEY ARE REQUIRED, THEY SHALL BE USED.
7. ALL MATERIALS SHOWN OR CALLED FOR ON THESE PLANS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR THE PROPOSED WORK.
9. THE COORDINATION OF ALL REQUIRED BUILDING DEPARTMENT INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL MAKE SURE THAT THROUGH PROPER AND TIMELY NOTIFICATION TO ENSURE THE REPAIRS ARE COMPLETED WITH MINIMAL DELAY FOR INSPECTIONS.
10. THE GENERAL CONTRACTOR SHALL DETERMINE FROM THE LOCAL BUILDING DEPARTMENT AUTHORITY, AT THE TIME THE BUILDING PERMIT IS OBTAINED, WHETHER THE CONTRACTOR COMPLIANCE WILL BE REQUESTED FROM THE STRUCTURAL ENGINEER. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ALL STRUCTURAL REQUIREMENTS PRIOR TO THE START OF CONSTRUCTION. FOUR DAY ADVANCE NOTICE SHALL BE GIVEN WHEN REQUESTING SITE VISITS NECESSARY AS THE BUILDING DEPARTMENT COMPLIANCE LETTER. THE GENERAL CONTRACTOR SHALL PROVIDE COPIES OF ALL THIRD PARTY TESTING AND INSPECTION REPORTS TO THE STRUCTURAL ENGINEER. A MINIMUM OF ONE WEEK PRIOR TO THE DATE THAT THE COMPLIANCE LETTER IS ISSUED IS NEEDED.
11. THE STRUCTURE HAS BEEN DESIGNED TO RESIST VERTICAL AND LATERAL LOADS. AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAVE BEEN COMPLETED, THE STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE SAFETY ERECTION MEANS, METHODS AND SEQUENCES. TEMPORARY SHORING, BRACING AND BRACING AND USE OF EQUIPMENT AND CONSTRUCTION METHODS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. ALL DIMENSIONS INDICATED ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY.

1. PROVIDE TEMPORARY SHORING WHERE NEEDED
2. REMOVE DAMAGED INTERIOR/EXTERIOR WALLS
3. INSTALL NEW INTERIOR/EXTERIOR WALLS PER PLANS
4. MAKE REPAIRS TO NON-STRUCTURAL ITEMS SUCH AS WALL FINISHES, E

COLUMN LINE GRID INDICATOR

DOOR OPENING IDENTIFIER

EQUIPMENT IDENTIFIER

ROOM IDENTIFICATION

WALL TYPE IDENTIFIER

WINDOW IDENTIFIER

SLOPE IDENTIFIER

GRAPHIC SCALE

GENERAL SYMBOLS

&	AND
@	AT
⊙	CENTER LINE
#	NUMBER
∅	DIAMETER
%	PERCENT
=	EQUAL TO
>	GREATER THAN
<	LESS THAN
≥	GREATER THAN OR EQUAL TO
≤	LESS THAN OR EQUAL TO
⌈	PROPERTY LINE
/	PER
⊞	STATION EQUIPMENT
— —	BREAKLINE
⊙	ELEVATION POINT
⊞	ALIGN

ABBREVIATIONS

ADDL	ADDITIONAL
A.	BETWEEN
DBL	DOUBLE
EA	EACH
E	EXISTING
IN	INFORMATION
KSI	KIPS PER INCH
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
O.C.	ON CENTER
PL	PLATE
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
PT	PRESERVATIVE (PRESSURE) TREATED
R&R	REMOVE AND REPLACE
REQD	REQUIRED
STL	STEEL
TA	TRIBUTARY AREA
TS	TUBE STEEL
UNO	UNLESS NOTED OTHERWISE
W/	WITH
WS	WOOD SCREW

Project North

REFERENCE BOUNDARY

DETAIL DESIGNATION (NUMBER)

DRAWING NUMBER OF THE SHEET WHERE THE DETAIL IS SHOWN

DETAIL REFERENCE

1ST FLOOR PLAN

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

PLAN/DETAIL IDENTIFIER

SECTION DESIGNATION (LETTER)

DRAWING NUMBER OF THE SHEET WHERE THE DETAIL IS SHOWN

SECTION IDENTIFIER

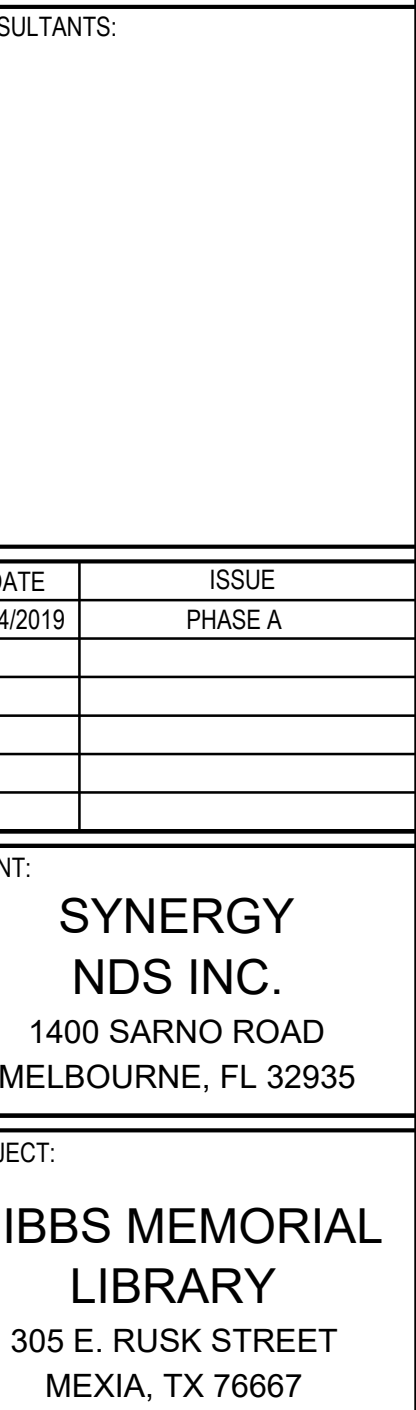
ELEVATION ORIENTATION

DRAWING NUMBER OF THE SHEET WHERE THE ELEVATION IS SHOWN

EXTERIOR ELEVATION IDENTIFIER

REVISION IDENTIFIER

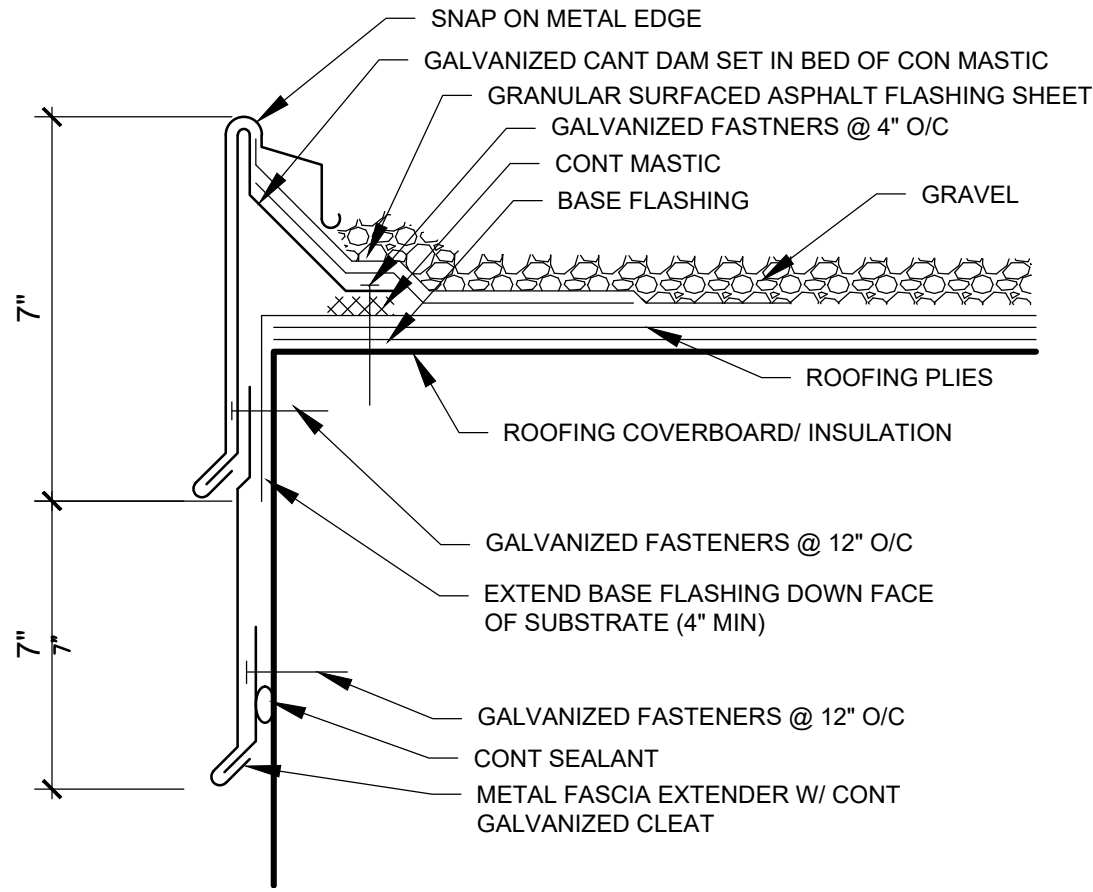
ELEVATION IDENTIFICATION



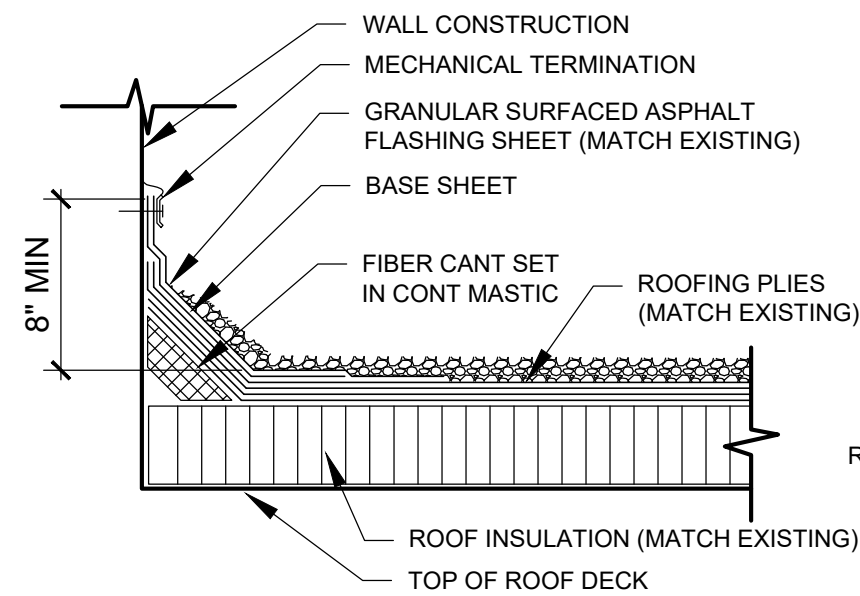
BID SET

DRAWING LIST, PROJECT SCOPE, DESIGN CRITERIA	
OWN BY: GGC	REVIEWED BY: CJP
JOB #:	100024944
SCALE:	AS NOTED
DATE:	2/14/2020

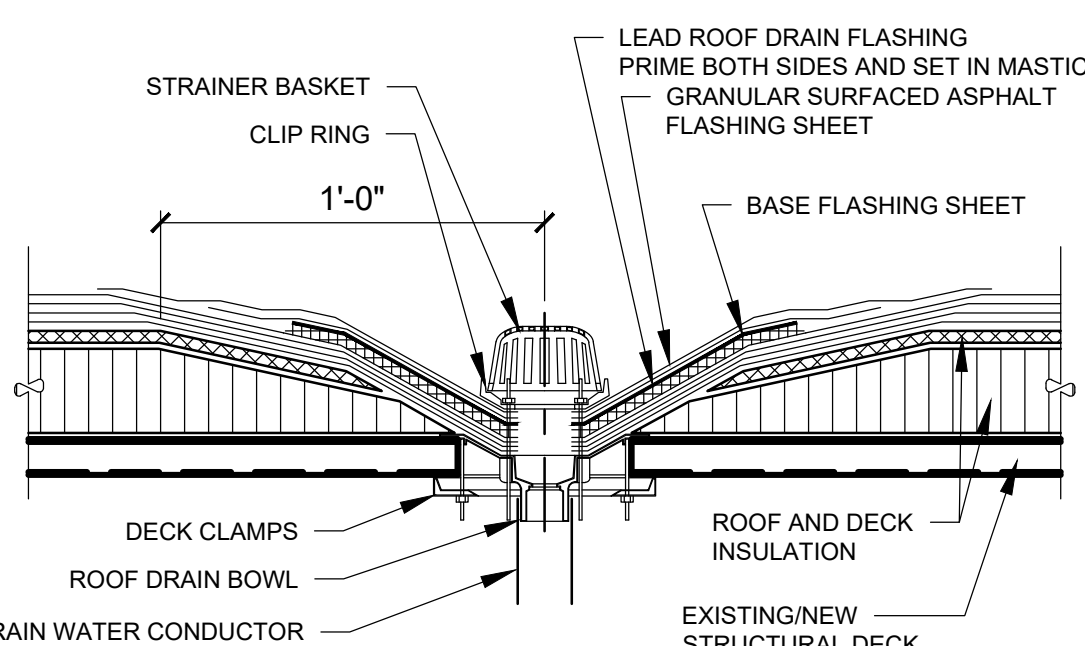
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TYPICAL DETAIL AT METAL EDGE
SCALE: 1 1/2"=1'-0"

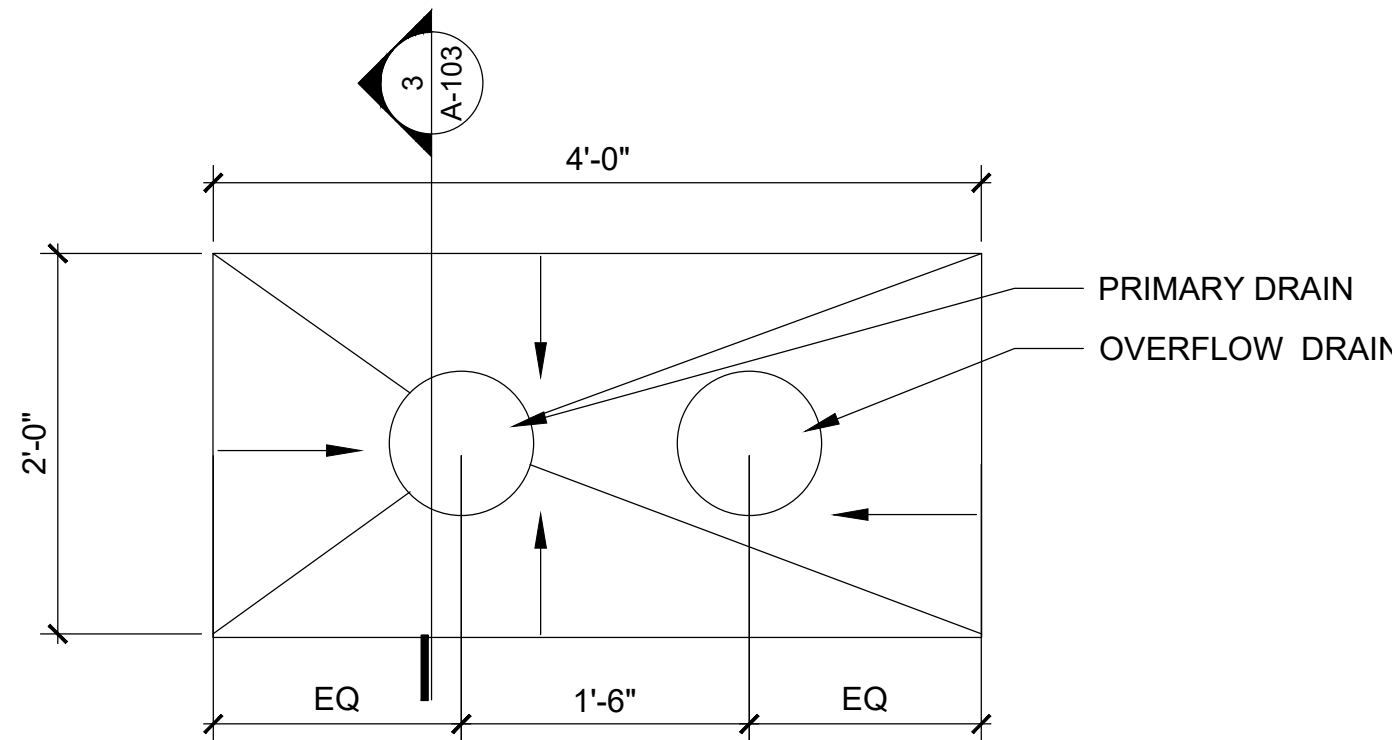


TYPICAL BUR TERMINATION DETAIL
SCALE: 1 1/2"=1'-0"



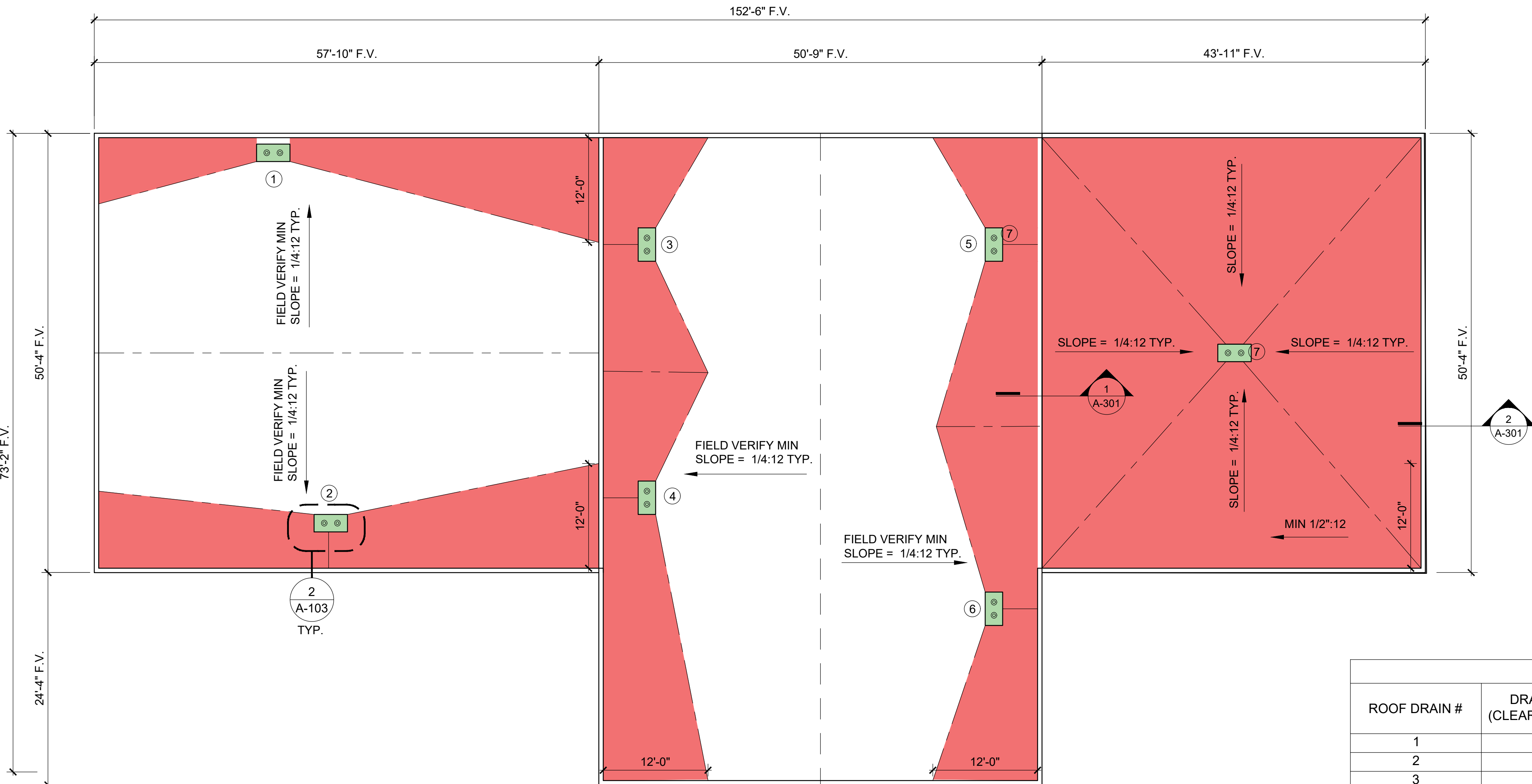
- GENERAL NOTES**
1. ALL BOLTS/CLAMPS MUST BE IN PLACE TO PROVIDE CONSISTANT COMPRESSION.
 2. HOLE IN ROOF SLUMP LEAD MUST EXCEED THE SIZE OF DRAIN LEADER.
 3. DO NOT LEAVE PROJECT OVERNIGHT WITHOUT INSTALLING CLAMP RINGS.

TYPICAL DETAIL AT ROOF DRAIN and SUMP
SCALE: 1 1/2"=1'-0"



- GENERAL NOTES**
1. SLOPE IN SLUMP BOX =1/2" PER FOOT TAPERED BOARD
 2. SUMP LAYOUT IS TYPICAL FOR ALL DRAINS

TYPICAL DETAIL AT ROOF DRAIN SUMP
SCALE: 1"=1'-0"



- NEW SUMPS AROUND ALL DRAIN PAIRS, REF 2-A103.
- NEW 1:1/4 TAPERED INSULATION WHERE REQUIRED.

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

ROOFING

1. THE ROOF REPAIR WILL INCLUDE THE FOLLOWING:
 - A. REMOVE ALL EXISTING ROOFING SYSTEM COMPONENTS TO EXPOSE THE METAL ROOF DECK.
 - B. REPAIR ANY DAMAGED METAL DECK ON THE ORIGINAL AND 1975 ADDITION.
 - 1) REPAIRS SHALL BE A MINIMUM OF T METAL DECK PANEL WIDTH (TYPICALLY 36 INCHES WIDE) AND AHALL SPAN TO THE NEAREST JOIST/RAFTER. The REPLACEMENT METAL DECKING SHALL BE OF THE SAME HEIGHT AND THICKNESS OF THE ORIGINAL.
 - 2) IF THE NEW METAL DECKING DOES NOT PROPERLY NEST WITHIN THE FLUTES OND PANS OF THE ORIGINAL DECKING, BUTT THE NEW DECK TIGHTLY AGAINST THE ORIGINAL DECK. THEN PLACE A 12-INCH-WIDE STRIP OF 20 GAUGE, GALVANIZED, SHEET METAL CENTERED ON THE BUTT JOINT, AND ATTACH THE METAL SHEET TO THE NEW TO THE ORIGINAL METAL DECKING PANELS WITH STITCH SCREWS SPACED 6 INCHED ON CENTER INTO EACH ROOF DECK PANEL.
 - 3) THE ENDS OF THE REPAIR PANEL MUST BE LOCATED ABOVE A ROOF JOIST/RAFTER. ATTACH THE ENDS OF THE REPAIR PANEL TO THE EXISTING JOIST/RAFTER WITH STITCH SCREWS IN EVERY FLUTE.
 - C. THE 1984 ADDITION WILL RECIEVE ALL NEW ROOF DECKING. INSTALL NEW 1.5F-22 GAUGE METAL DECKING.
 - D. INSTALL NEW PRIMARY AND SECONDARY (OVERFLOW) DRAINS AS INDICATED ON PLANS. THE PRIMARY DRAINS SHOULD BE LOCATED AS CLOSELY AS POSSIBLE TO THE EXISTING DRAIN LOCATIONS TO MINIMIZE ALTERATIONS OF THE ROOF DECK. THE SECONDARY DRAINS SHOULD BE LOCATED BESIDE THE PRIMARY DRAINS, LEAVING SUFFICIENT SPACE BETWEEN THE DRAINS TO ALLOW FOR ADEQUATE ROOFING. THE SECONDARY DRAINS SHOULD INCLUDE A COLLAR SUCH THAT WATER WOULD HAVE TO BE AT LEAST 2 INCHES ABOVE THE TOP OF THE INLET FOR THE PRIMARY DRAIN BEFORE DRAINING INTO THE SECONDARY DRAIN.
 - E. BASE INSULATION: INSTALL (LOOSE LAID) NEW, RIGID, POLYISOCANURATE INSULATION THAT HAS A MINIMUM THICKNESS OF 4 INCHED (MIN. LING TERM THERMAL RESISTANCE (LTTR) OF 25).
 - F. AT DRAIN LOCATIONS, THE BASE LAYER OF INSULATION SHOULD BE 3 INCHES THICK TO CREATE A SUMP THAT EXTENDS AT LEAST 12 INCHES AROUND THE DRAIN AT ALL SIDES.
 - G. INSTALL TAPERED INSULATION OVER THE BASE INSULATION. THE TAPERED INSULATION SHOULD HAVE A SLOPE OF 1/4:12, DIRECTING WATER TOWARD THE DRAINS.
 - H. INSTALL HIGH-DENSITY POLYISOCYANURATE INSULATION BOARD (COVERBOARD) OVER THE BASE AND TAPERED INSULATION, AND MECHANICALLY ATTACH THE ROOF INSULATION TO THE METAL ROOF DECK TO RESIST THE LOADS INDICATED ON THE PLANS. THE COVERBOARD SHALL HAVE A MINIMUM LONG-TERM THERMAL RESISTANCE (LTTR) OF R-2. ALL ROOF PRODUCTS SHALL BE INSTALLED TO RESIST UPLIFT LOADS OF 50 POUNDS PER SQUARE FOOT.
 - I. TAPE THE JOINTS OF THE COVERBOARD TO PREVENT ROOFING ASPHALT FROM FLOWING INTO THE JOINTS.
 - J. INSTALL SUFFICIENT TREATED WOOD NAILERS AROUND THE PERIMETER OF THE ROOF AREAS TO ENSURE THAT THE TOP OF THE NAILERS IS HIGHER THAT THE TOP OF THE COVERBOARD.
 - K. ENSURE THAT ALL ROOF CURVE, VENT STACKS OR OTHER PENETRATIONS ARE EXTENDED SUFFICIENTLY ABOVE THE ROOF TO ALLOW FOR PROPER FLASHING ACCORDING TO THE STANDARD OF CARE (I.E. 8 INCHES MINIMUM ABOVE THE TOP OF THE FINISHED ROOF SURFACE.
 - L. INSTALL A NEW 3-PLY BUILT-UP (BUR) ROOFING SYSTEM WITH A FLOOD AND GRAVEL FINISH. INTEGRATE CURB, VENT, PENETRATION AND PERIMETER FLASHING WITH THE INSTALLATION OF THE NEW ROOFING SYSTEM.
 - M. INSTALL GALVANIZED, PRE-FINISHED (COLOR TO MATCH EXISTING AND TO BE APPROVED BY OWNER) EDGE METAL FLASHING AROUND THE PERIMETER OF THE ROOF LINE.
 - 1) THE EDGE METAL SHALL BE CERTIFIED AS HAVING BEEN FABRICATED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/SPRI ES-1.
 - 2) SHEET METAL TO FABRICATED AND INSTALLED IN ACCORDANCE WITH ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SMACNA REQUIREMENTS.
 - 3) UTILIZE CONCEALED SPLICE PLATES FOR THE EDGE METAL SYSTEM.
 - N. THE INSTALLED ROOF SYSTEM SHALL QUALIFY FOR A 10-YEAR NO DOLLAR LIMIT (NDL) WARRANTY TO INCLUDE LABOR AND MATERIALS.
2. THE ABOVE SPECIFIED ROOFING SYSTEM IS INTENDED TO BE A LIKE AND KIND REPLACEMENT FOR THE EXISTING ROOFING SYSTEM OF THE BUILDING, WITH THE EXCEPTION THAT THE INDICATED INSULATION (INCLUDING TAPERED INSULATION) AND OVERFLOW DRAINAGE ARE UPGRADES TO REMAIN CONSISTENT WITH CURRENT PRACTICES. THE INDUSTRY STANDARD OF CARE AND THE ADOPTED BUILDING CODES. IF REQUESTED, RIMKUS CAN PROVIDE INFORMATION ON MATERIALS AND INSTALLATION METHODS THAT CAN IMPROVE THE PERFORMANCE, LONGEVITY AND HAIL RESISTANCE OF THE ROOFING SYSTEM.

DRAINS				
ROOF DRAIN #	DRAIN SIZE (CLEAR OPENING)	OVERFLOW DIMENSIONS (CLEAR OPENING)	TRIBUTARY ROOF AREA	ALLOWABLE TRIBUTARY ROOF AREA
1	4" Ø	4" Ø	1,455 S.F.	4,370 S.F.
2	4" Ø	4" Ø	1,455 S.F.	4,370 S.F.
3	4" Ø	4" Ø	696 S.F.	4,370 S.F.
4	4" Ø	4" Ø	1,199 S.F.	4,370 S.F.
5	4" Ø	4" Ø	855 S.F.	4,370 S.F.
6	4" Ø	4" Ø	1,051 S.F.	4,370 S.F.
7	4" Ø	4" Ø	2,213 S.F.	4,370 S.F.

NOTE: 100-YEAR, 1-HOUR RAINFALL PER IPC = 4.25" IN MEXIA, TX

CONSULTANTS:

DATE	ISSUE
2/14/2019	PHASE A

CLIENT:

**SYNERGY
NDS INC.**
1400 SARNO ROAD
MELBOURNE, FL 32935

PROJECT:

**GIBBS MEMORIAL
LIBRARY**
305 E. RUSK STREET
MEXIA, TX 76667

ISSUE SET:

BID SET

NOT FOR CONSTRUCTION

SEAL:

DRAWING TITLE:

**ROOF
PLAN**

DRAWN BY: GGC|REVIEWED BY: CJP

JOB #: 100024944

SCALE: AS NOTED

DATE: 2/28/2020

PAGE:

A102



RIMKUS
BUILDING CONSULTANTS

1431 Greenway Drive
Suite 900
Irving, Texas 75038
Tel: (866) 299-3370
Cert. of Auth. No. 18590

CONSULTANTS:

DATE	ISSUE
2/14/2019	PHASE A

CLIENT:

**SYNERGY
NDS INC.**
1400 SARNO ROAD
MELBOURNE, FL 32935

PROJECT:

**GIBBS MEMORIAL
LIBRARY**
305 E. RUSK STREET
MEXIA, TX 76667

ISSUE SET:

BID SET
NOT FOR CONSTRUCTION

SEAL:

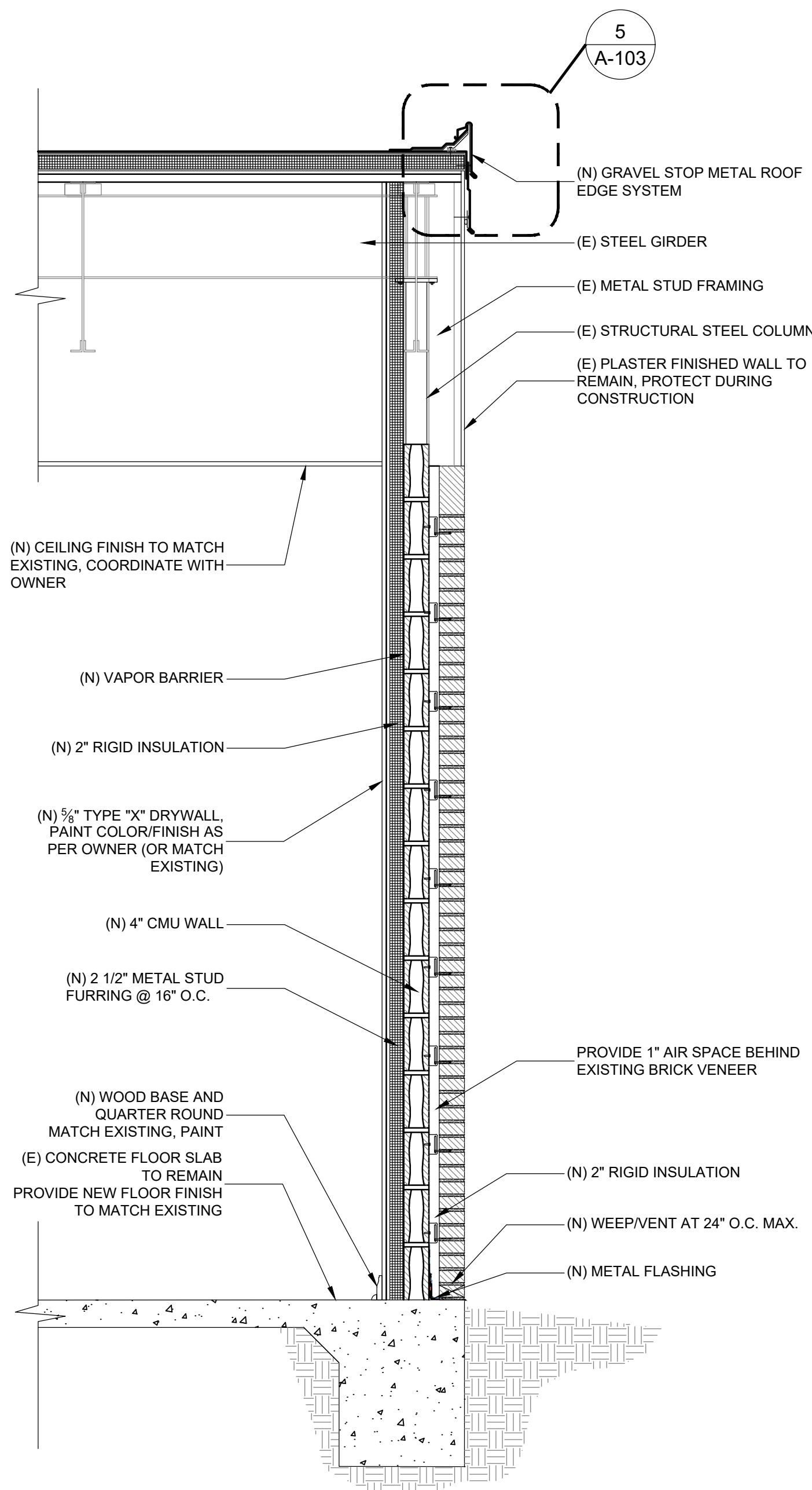
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WALL SECTIONS

DRAWN BY:	GGC	REVIEWED BY:	CJP
JOB #:	100024944	SCALE:	AS NOTED
DATE:	2/28/2020		

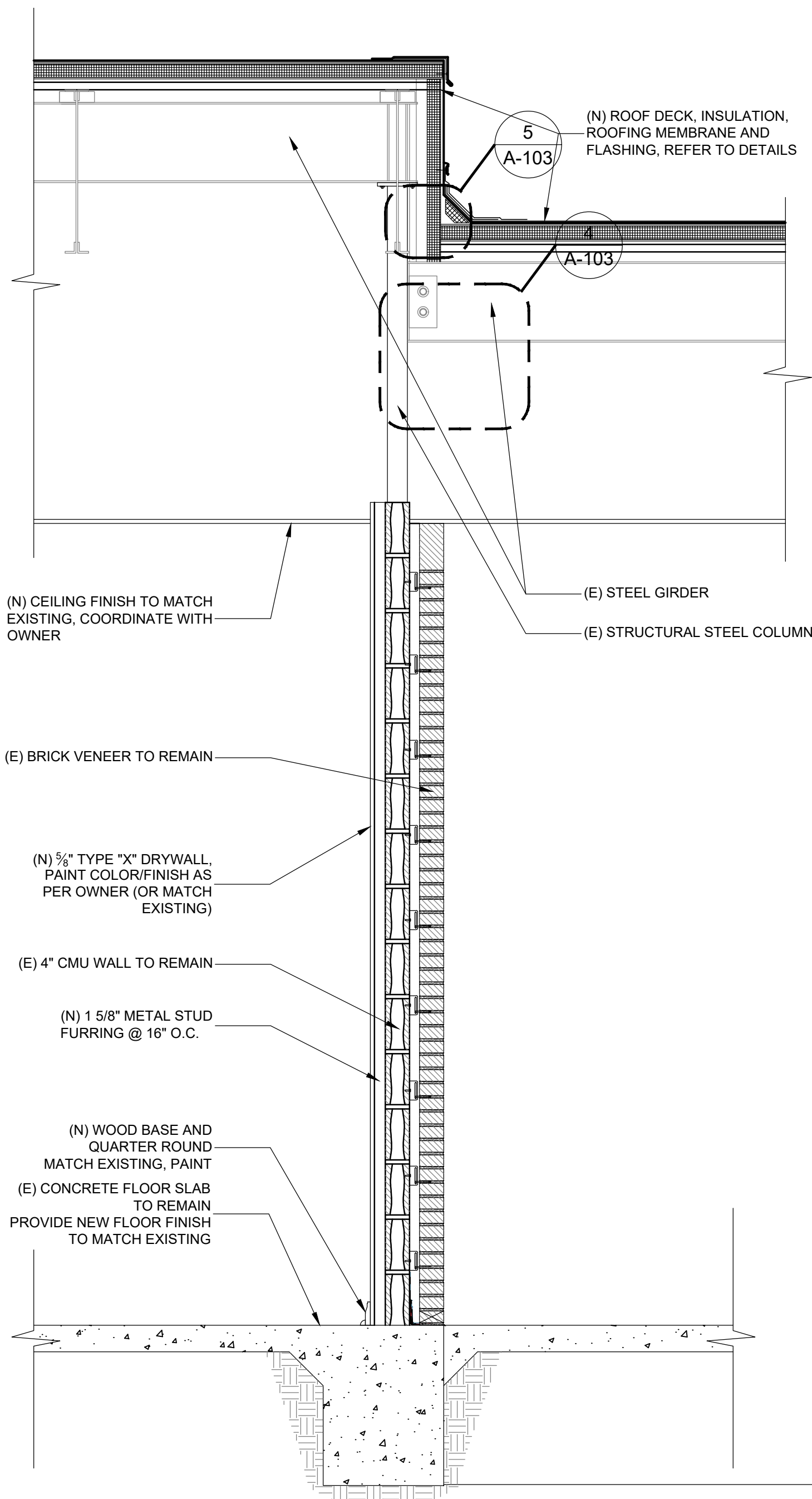
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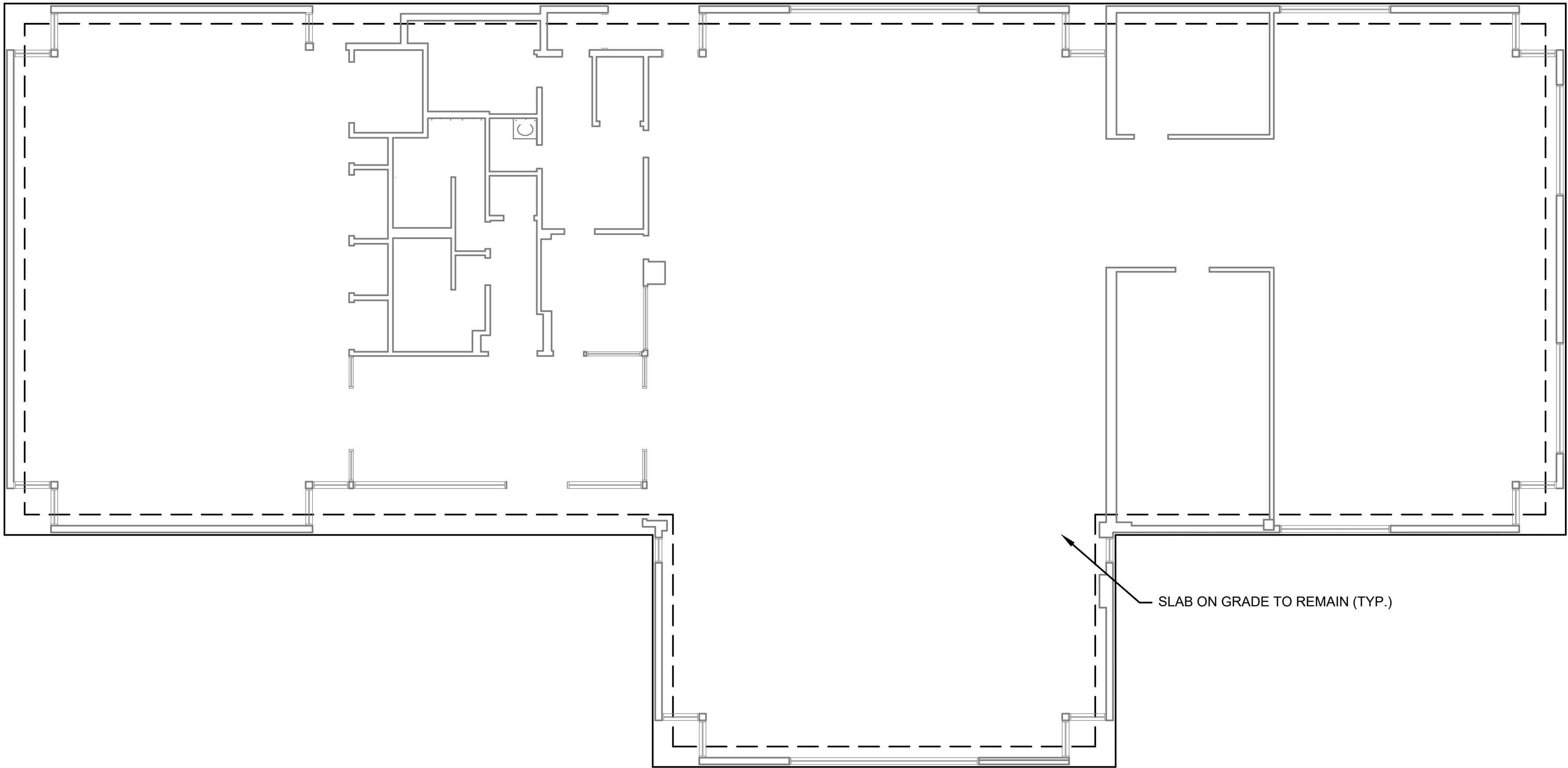
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WALL SECTION
SCALE: 3/8"=1'-0"

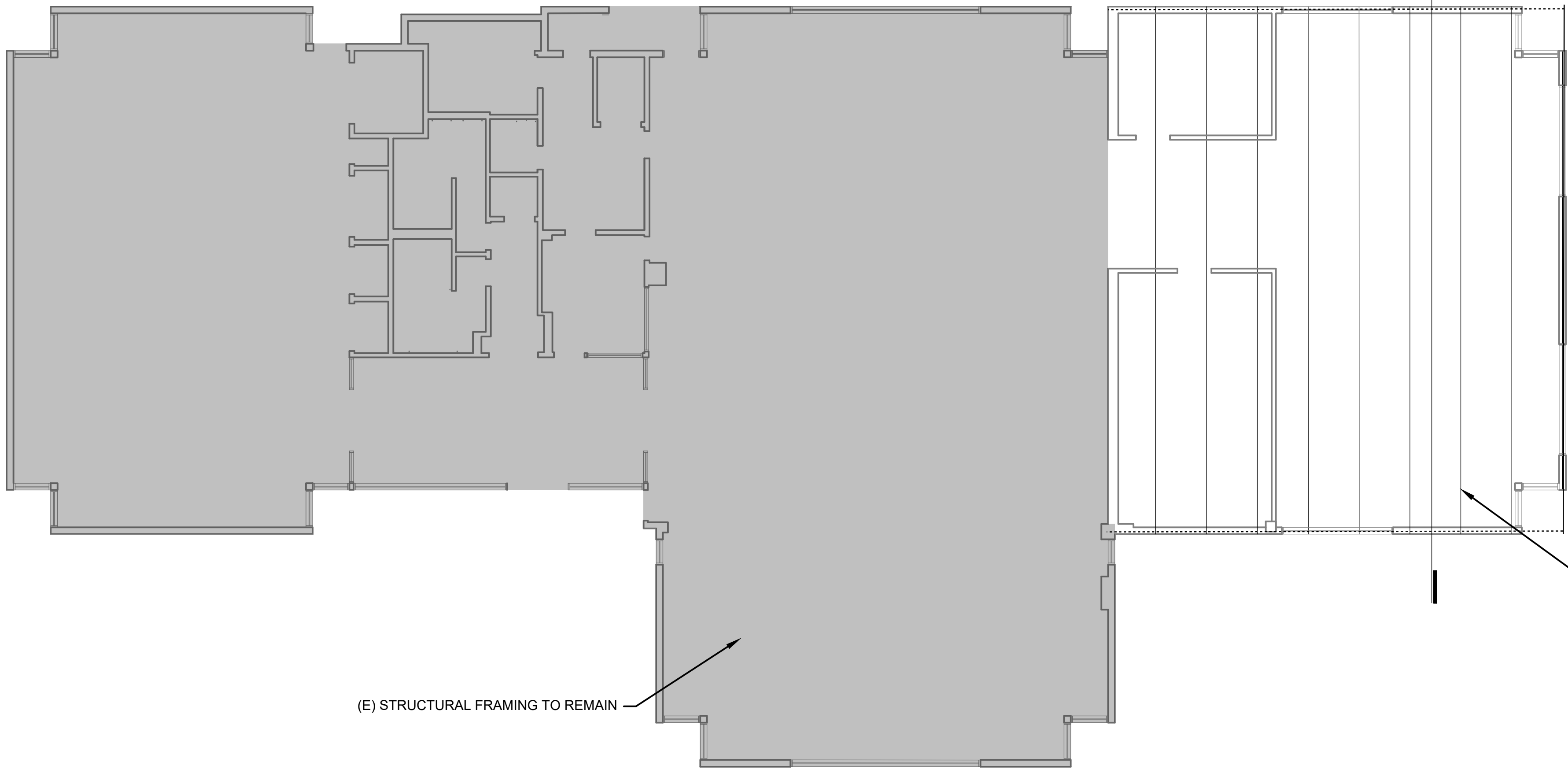


2

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



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



2 ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"



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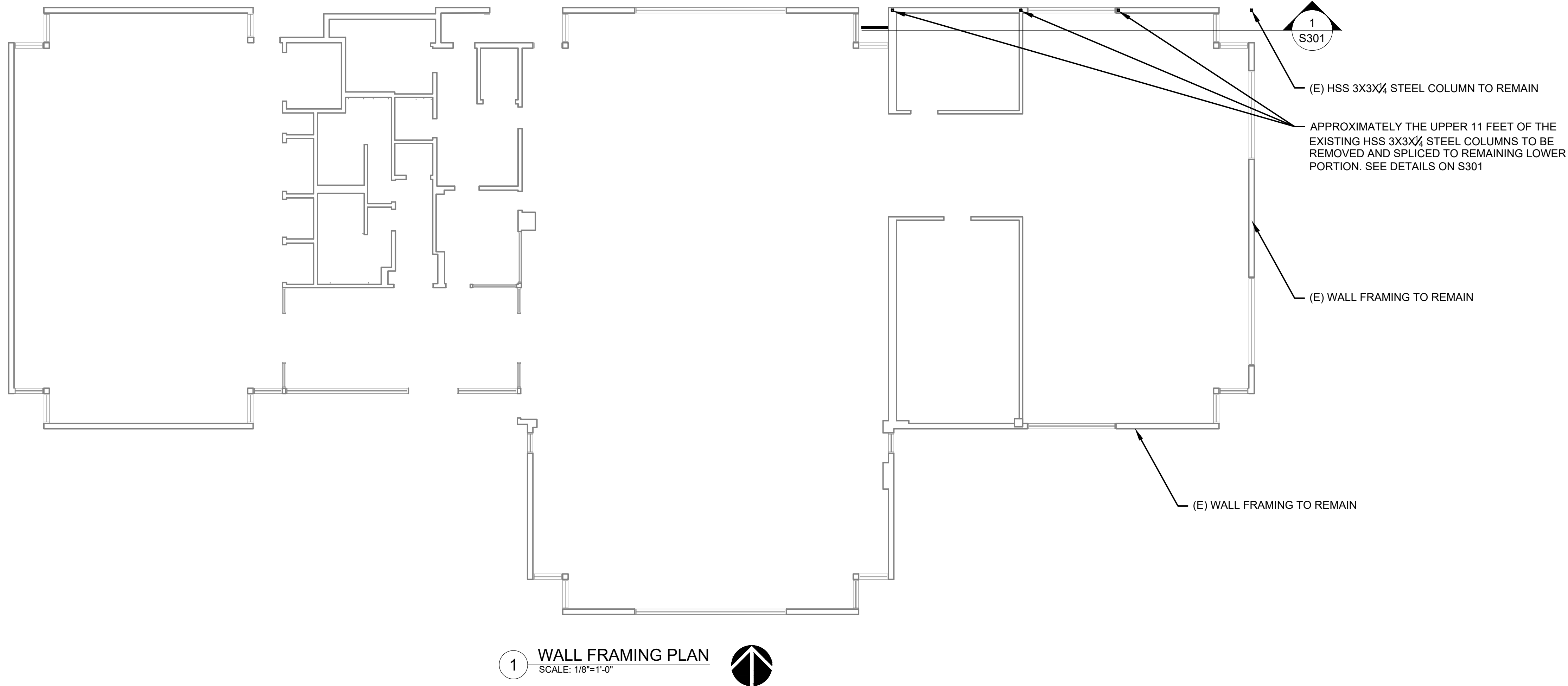
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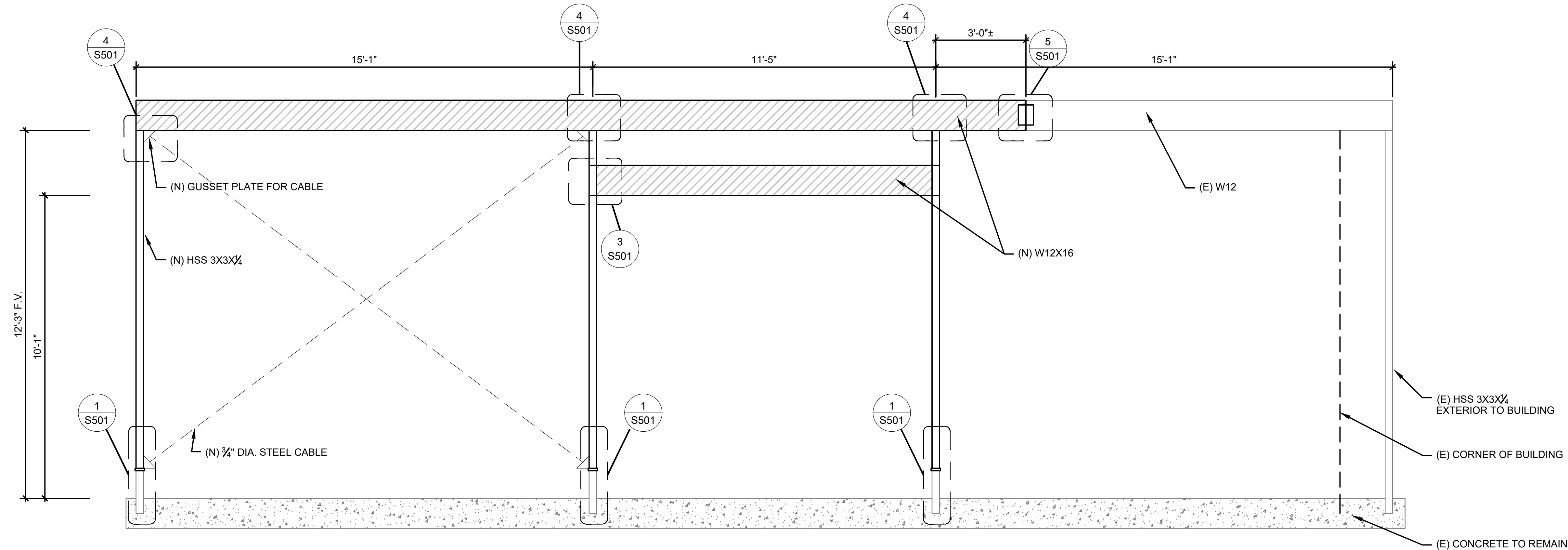
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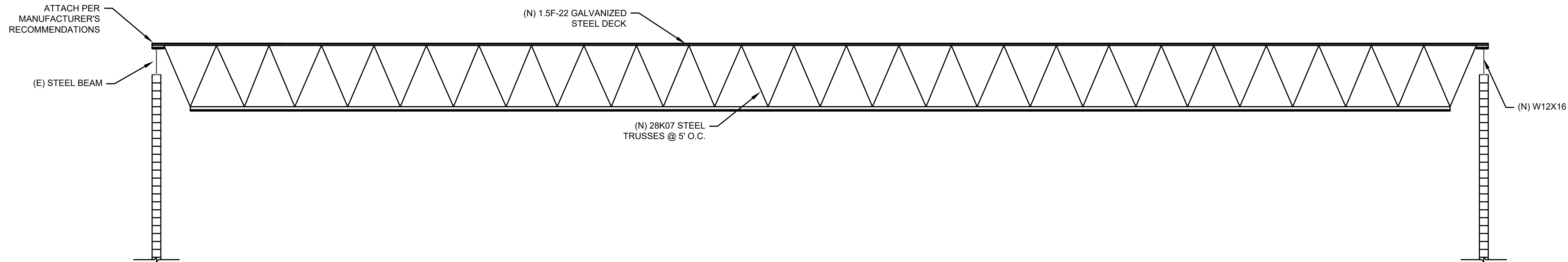
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S102



NOTE: CMU FILL WALL AND STEEL TRUSSES
NOT SHOWN FOR CLARITY

1 NORTH ELEVATION SECTION
SCALE: 1/2"=1'-0"



2 STEEL TRUSS SECTION
SCALE: 1/2"=1'-0"

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