

Date Due: March 12, 2021
DUE NO LATER THAN 11:00 A.M.
LOCAL TIME IN HOUSTON, TEXAS
*Proposals received later than the above
date and time will not be considered.*

**YES Prep Public
Schools
REQUEST FOR PROPOSAL
Cover Sheet**

REQUEST FOR PROPOSAL: FY21_7 Fifth Ward Safety & Security Vestibule

NOTE TO PROPOSERS!!! Carefully read all instructions, requirements, and specifications. Fill out all forms properly and completely. Submit your proposal with all appropriate supplements and/or samples and return as instructed in Special Requirements/Instructions.

RETURN PROPOSAL TO:

Cheris Kotalik

**Construction Manager
5515 S Loop E, Suite B
Houston, Texas 77033**

For additional information, contact **Cheris Kotalik, cheris.kotalik@yesprep.org or 346-235-5776.**

You must sign below in INK; failure to sign WILL disqualify the proposal. All prices must be typewritten or printed in ink.

Vendor Name: _____

Vendor Address: _____

City, State, Zip Code: _____

Taxpayer Identification Number (T.I.N.): _____

Telephone No.: _____ Fax No.: _____

Email: _____

Print Name: _____ Signature: _____

[Your signature attests to your proposal to provide the goods and/or services in this proposal according to the published provisions of this Request for Proposal unless modifications or alterations are clearly noted in your proposal submission.]

TABLE OF CONTENTS – REQUEST FOR PROPOSAL PACKAGE

The items below represent components which comprise this Request for Proposal (hereinafter “RFP”) package. Suppliers are asked to review the package to be sure that all applicable parts are included. If any portion of the package is missing, please notify Cheri Kotalik, Construction Manager immediately at cheris.kotalik@yesprep.org or 346-235-5776.

It is the Vendor’s responsibility to be thoroughly familiar with all Requirements and Specifications. Be sure you understand the following before you return your proposal packet.

1. Cover Sheet

Your company name, address, and your signature (**IN INK**) should appear on this page.

2. Table of Contents

This page is the Table of Contents.

3. General Requirements

You should be familiar with all of the General Requirements.

4. Special Requirements/Instructions

This section provides information you must know in order to make a complete and proper proposal.

5. Specifications

This section contains the detailed description of the products/services sought.

6. Attachments

- A. Submittals 1 - 4
- B. Questionnaire
- C. Workers’ Compensation Certification
- D. Insurance Coverage Requirements
- E. Proposed Exceptions, Alterations, Additions, or Modifications to RFP (if any)
- F. Scoring Rubric

INTRODUCTION

YES Prep Public Schools is a free, open-enrollment public school system that serves 15,000 students across nineteen (21) schools in the Houston area. YES Prep has been ranked as among the top 100 public high schools in the nation by Newsweek and U.S. News & World Report. Every year, 100 percent of YES Prep's graduating seniors have been accepted into four-year colleges, including Harvard, Yale, Columbia, Rice, and Stanford. YES Prep combines a highly successful 6th-12th grade model along with high standards for student achievement.

GENERAL REQUIREMENTS

Proposals will be accepted by Yes Prep Public Schools no later than 11:00 a.m. (local time), **March 12, 2021**. Every proposal must be enclosed in an envelope clearly marked "FY21_7 FW Safety & Security Vestibule" and shall include one copy.

All questions, requests, responses, and proposals shall be submitted to:

Cheris Kotalik, Construction Manager

YES Prep Public Schools

5515 S Loop E, Suite B

Houston, TX 77033

Cheris.kotalik@yesprep.org

Questions and responses regarding this RFP will be posted to the YES Prep Public Schools web site during the RFP phase so all interested parties will have access to the same information. Web site is located at: <http://www.yesprep.org/notices>

The appropriate committee shall review all timely responses, and if necessary, the full Board of Trustees prior to acceptance/bid award. Responses may be hand delivered. Any response or proposal received after the above deadline shall be considered late, and will not be opened or considered.

Time Frame

The timeframe for all responses must be complete and in possession of YES Prep Public Schools by 11:00 a.m. (local time) on **March 12, 2021**. Each submission/proposal must be complete. Any incomplete responses may be rejected. All respondents will comply with this RFP as a basis for the award of the proposal.

All questions are due by 5:00 p.m. (local time) on March 8, 2021.

Approval

The actual acceptance of any proposal may be delayed. Therefore, all responses must remain valid for a period of no less than one hundred and twenty (120) days. It is intended that proposals will be recommended to the Board of Trustees at an upcoming board meeting. The Board of Trustees reserves the right to reject any and all proposals.

ACCESS TO RECORDS

Proposer (hereinafter "Vendor") may be required to allow duly authorized representatives of YES Prep Public Schools (hereinafter "YES"), and local, state, and federal governments, access to contracts, books, documents, and records necessary to verify the nature, extent, and cost of services provided by the Vendor.

AWARD

YES reserves the right to reject any and all proposals, and reserves the sole right at its discretion to accept any proposal(s) it considers most favorable to the interest of YES and waive any and all minor irregularities in any proposal(s). YES further reserves the right to reject any proposal(s) and seek new proposals through the issuance of a new or amended Request for Proposal (hereinafter "RFP") if such action is deemed in the best interest of YES.

OFFER COMPLETION

Fill out and return to Cheri Kotalik, Construction Manager, one complete proposal form, and two copies, as instructed under the Special Requirements section of this document. An authorized Vendor representative should sign the Cover Sheet. Completion of these forms is intended to verify that the Vendor has submitted the proposal, is familiar with its contents, and has submitted the material in accordance with all requirements.

The submission of a response shall be prima facie evidence that the Vendor has full knowledge of the scope, nature, quantity, and quality of work to be performed, the detailed requirements of the project, and the conditions under which the work is to be performed. All terms, conditions, specifications, stipulations, and Vendor requirements stated in the RFP, any attached Appendices to the RFP, and any and all Addenda issued shall become part of the contract entered into between YES and the Vendor.

OFFER RETURNS

Vendors must return all completed proposals to the office of Cheri Kotalik as indicated on the Cover Sheet of this package. Late proposals will not be accepted. It is the responsibility of the responding Vendor to assure that the response is received prior to the date and time indicated on the Cover Sheet of this package.

DIGITAL FORMAT

If Vendor obtained the proposal specifications in digital format in order to prepare a response, ***the proposal must be submitted in hard copy*** according to the instructions contained in this package. If, in its response, Vendor makes any changes whatsoever to the YES published RFP specifications, the RFP specifications ***as published*** by YES shall control. Furthermore, if an alteration of any kind to the RFP specifications as published is discovered after the contract is executed, the contract is subject to immediate cancellation at the sole option of YES.

DISQUALIFICATION OF VENDOR

Upon signing this RFP, Vendor certifies that the proposal has not violated the antitrust laws of this state codified in §15.01, *et seq.*, Business & Commerce Code, or the federal antitrust laws, and has not communicated directly or indirectly the proposal made to any competitor or any other person engaged in such line of business. Any or all proposals may be rejected if YES believes that collusion exists among the Vendors. Proposals in which the prices are obviously unbalanced may be rejected.

EVALUATION

In evaluating the proposals submitted, YES will apply the "Best Value" process in selecting the Vendor to be awarded a contract for this project. **Purchase price is not the only criteria that will be used in the evaluation process.** The selection process will include, but not be limited to, the following considerations:

1. The quality and range of goods and/or services the Vendor proposes to provide;
2. The extent to which the goods and/or services meet YES needs;
3. The Vendor's overall experience, reputation, expertise, stability, and financial responsibility;
4. The Vendor's past relationship, if any, with YES;
5. The experience and qualifications of the Vendor staff (i.e. drivers, supervisors, dispatchers, mechanics, etc.) that will be assigned to service the YES account;
6. The ability to provide service in a safe, reliable, expedient, and efficient manner;
7. Facilities and business processes and practices (computerized information systems, access to industry facilities, quality and range of management reports, etc.) that will be used in servicing the YES account;
8. The Vendor's financial terms offered to YES;
9. The total long-term cost to YES to acquire the Vendor's goods or services; and/or
10. Any other relevant factor(s) specifically listed in the RFP.

YES reserves the right to contact references from the Vendor's client list, or any other persons considered relevant by YES. YES reserves the right to conduct personal interviews of any or all potential Vendors prior to selection.

YES will not be liable for any costs incurred by the Vendor in connection with such interviews or with the submission of any response.

DOCUMENT INTERPRETATION

In the event of any conflict of interpretation of any part of this overall document, the interpretation of YES shall govern.

GOVERNING LAW

Any agreements resulting from this RFP shall be governed by, construed, and enforced in accordance with the laws of the State of Texas applicable to contracts made and wholly performed within such state (without regard to the conflicts or choice of law principles thereof). The parties irrevocably consent to the jurisdiction of the State of Texas, and agree that any court of competent jurisdiction sitting in the County of Harris, State of Texas, shall be an appropriate and convenient place of venue, and shall be the sole and exclusive place of venue, to resolve any dispute with respect to any such agreements.

HOLD HARMLESS AGREEMENT

The successful Vendor(s) shall indemnify, hold harmless, and defend YES, its directors, officers, and employees (paid or volunteer) from and against any and all claims, demands, and causes of action of whatever kind or nature arising out of error, omission, misrepresentation, negligent act, conduct, or misconduct of the Vendor and its subcontractors, agents, and employees (paid or volunteer) in the provision of goods or the performance of services arising out of the preparation of this proposal and execution and performance of any contracts resulting therefrom. Such indemnification shall also include reasonable attorneys' fees, court costs, and expenses.

INSPECTIONS

YES reserves the right to inspect any item(s) or service location for compliance with specifications, requirements, and needs of YES. If a Vendor cannot furnish a sample of a proposed item, where applicable, for review, or fails to satisfactorily show an ability to perform, YES can reject the Vendor as inadequate.

TESTING

YES reserves the right to test equipment, supplies, materials, and goods proposed for quality, compliance with specifications, and ability to meet the needs of YES. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the proposal is subject to rejection.

INVOICES AND PAYMENTS

YES standard payment terms are Net 30 days after receipt of invoice.

Invoices should be provided to YES in a timely manner. Vendors are requested to invoice YES within 30 days of providing goods and/or services to YES. Vendors who continuously invoice YES in a manner that is outside of generally accepted business practices may affect their continuing relationship with YES.

In the event a Vendor presents YES with invoices, statements, reports, etc. that are incomplete or inaccurate, YES may be required to perform substantial research which could result in delay of payment. YES will not be responsible for any interest charges and/or late fees as a result of delayed payment due to time delays caused by inadequate, incomplete, or inaccurate information provided in invoices by Vendor.

PRICING

Prices for all goods and/or services shall be negotiated to a firm amount for the duration of this contract or as agreed to in terms of time frame and/or method of determining price escalations, if any, by Vendor. All prices and methods of determining prices must be written in ink or typewritten. Where unit pricing and extended pricing differ, unit pricing prevails.

SCANNED OR RE-TYPED RESPONSE

If in its response, Vendor either electronically scans, re-types, or in some way reproduces the YES-published RFP package, then in the event of any conflict between the terms and provisions of the published RFP package, or any portion thereof, and the terms and provisions of the response made by the Vendor, the RFP package **as published** by YES shall control. Furthermore, if an alteration of any kind to the YES-published RFP package is only discovered after the contract is executed, the contract is subject to immediate cancellation at the sole option of YES.

SEVERABILITY

If any section, subsection, paragraph, sentence, clause, phrase, or word of these requirements or the specifications shall be held invalid, such holding shall not affect the remaining portions of these requirements and the specifications, and it is hereby declared that such remaining portions would have been included in these requirements and the specifications as though the invalid portion had been omitted.

SUPPLEMENTAL MATERIALS

Vendors are responsible for including all pertinent product data in the returned offer package. Literature, brochures, data sheets, specification information, completed forms requested as part of the offer package, and any other facts which may affect the evaluation and subsequent contract award should be included. Materials such as legal documents and contractual agreements, which the Vendor wishes to include as a condition of the proposal, must also be in the returned proposal package. Failure to include all necessary and proper supplemental materials may be cause to reject the entire proposal.

TAXES

YES is exempt from federal, state, and local taxes. In the event that taxes are imposed on the goods or services purchased, YES will not be responsible for payment of the taxes. The Vendor shall absorb the taxes entirely. Texas Limited Sales Tax Exemption Certificates will be furnished to Vendors upon written request to YES.

TERM CONTRACTS

The successful Vendor, as determined by YES, shall be required to execute a contract to furnish all goods and/or services and other deliverables required for successful completion of the proposed project. No Vendor shall obtain any interest or right in any award until YES has executed a contract, and any such interest and rights shall be subject to the terms and conditions as contained in such contract.

The successful Vendor may not assign, sell, or otherwise transfer its interest in the contract award, or any part thereof, without prior written consent from the YES.

QUANTITY

There is no guaranteed amount of business, expressed or implied, to be purchased or contracted for by YES. However, the Vendor(s) awarded the contract shall furnish all required goods and/or services to YES at the stated price, when and if required.

CONTRACT TYPE

The preferred contract type to be awarded is a fixed fee contract. However, if a Vendor has reason to believe a better (more cost effective) method is practical, then the Vendor is encouraged to offer that better pricing option as an alternative in its submitted proposal. YES will consider that type of contract as it compares with other recommended contract options.

TERMINATION

YES reserves the right to terminate the contract without cause with 60 days prior written notice for convenience and with 30 days prior written notice for cause if Vendor breaches any of the terms therein, including warranties of Vendor or if the Vendor becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other

remedies which YES may have in law or equity. Cause may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all services required to YES's satisfaction, and/or to meet all other obligations and requirements.

If the Vendor breaches any provision of the proposal stipulations, becomes insolvent, enters voluntary or involuntary bankruptcy, or receivership proceedings, or makes an assignment for the benefit of creditors, YES will have the right (without limiting any other rights or remedies that it may have in the contract or by law) to terminate any contract with 30 days prior written notice to the Vendor.

YES will then be relieved of all obligations, except to pay the reasonable value of the Vendor's prior performance (at a cost not exceeding the contract rate). The Vendor will be liable to YES for all costs exceeding the contract price that YES incurs in completing or procuring the service as described in the proposal. YES's right to require strict performance of any obligation in this contract will not be affected by any previous waiver, forbearance, or course of dealing.

FUNDING OUT OPTION

Any contract resulting from this RFP is contingent upon the continued availability of budget appropriations and is subject to cancellation, without penalty to YES, either in whole or in part, if funds are not appropriated by the YES Board of Directors or otherwise not made available to YES.

WARRANTIES

Vendors shall furnish all data pertinent to warranties or guarantees which may apply to items in the proposal. Vendors may not limit or exclude any implied warranties.

ASSOCIATION

Vendors may not use the YES official logo(s), or any phrase associated with YES, without written permission from YES.

DISCLOSURE

All information and documentation related to this RFP submitted by Vendors may be subject to public disclosure under the Texas Public Information Act (Texas Government Code Section 552.001, et seq.).

EXCEPTIONS, ALTERATIONS, ADDITIONS, and MODIFICATIONS

If any exceptions, alterations, additions, or modifications are submitted by Vendor to any portion of this RFP, the Vendor must clearly indicate the exceptions, alterations, additions, and modifications and include a full explanation as a separate attachment to the proposal. The failure to identify exceptions, alterations, additions, or modifications will constitute acceptance by the Vendor of the RFP as proposed by YES. YES reserves the right to reject a proposal containing exceptions, alterations, additions, or modifications.

PROPOSAL PREPARATION COSTS

All costs related to the preparation and submission of this proposal shall be paid by the Vendor. Issuance of this RFP does not commit YES, in any way, to pay any costs in the preparation and submission of the proposal, nor does the issuance of the RFP obligate YES to award a contract or purchase any goods and services stated in the RFP.

RETENTION OF PROPOSAL DOCUMENTATION

All proposal materials and supporting documentation that is submitted in response to this proposal becomes the permanent property of YES.

MODIFICATION/WITHDRAWAL OF PROPOSAL

Proposals may be modified in writing at any time prior to the due date. Proposals may be withdrawn in writing, by facsimile written transmission or in person, before the response date.

PAYMENT TERMS

Invoices that are submitted by the awarded contractor are required to provide accurate and current addresses including any discounts for early payment. Payment of undisputed invoices will be paid monthly provided that the invoices are received by dates provided to the winning bid. Disputed portions of invoices will be held until the dispute is resolved.

PROPOSAL REQUIREMENTS

- Vendor is required to provide evidence of a valid State of Texas Business License
- Vendor is required to provide an insurance certificate with YES Prep named as an additional insured.

The entity legally responsible for fulfilling this agreement shall be identified in the proposal response.

Right to Seek a New Proposal

YES Prep Public Schools reserves the right to receive, accept, or reject any and all proposals for any or all reasons.

Proposals will be awarded to the best overall respondent as determined to be in the best interests of Yes Prep. In comparing the responses to this RFP and making awards, Yes Prep may consider such factors as quality and thoroughness of a proposal, the record of experience, the references of the respondents, and the integrity, performance and assurances in the proposal in addition to that of the proposal price.

It is the responsibility of the vendor to ensure that the equipment proposed is fully functional with existing two-way radio equipment: handheld radios, base stations and school bus radios.

Applicable Law

The successful Contractor(s) agrees that they shall comply with all local, state and federal laws, statutes, rules, and regulations including, but not limited to, the Rehabilitation Act of 1973 and the Americans with Disabilities Act. In the event that any claims should arise with regards to this contract, for a violation of any such local, state, or federal law, statutes, rules, or regulations, the provider will indemnify and hold Huntington County Community School Corporation harmless for any damages, including court costs or attorney fees which might be incurred.

Dispute resolution

It is expected that any conflicts or disagreements can be settled through face-to-face meetings. Unresolved disputes will require mediation before filing litigation. Both parties will split the cost of mediation.

SPECIAL REQUIREMENTS/INSTRUCTIONS

EVALUATION AND AWARD

This RFP in no manner obligates YES to the eventual rental, lease, or purchase of any equipment or service described, implied, or which may be proposed, until confirmed by a written contract. Progress toward this end is solely at the discretion of YES and may be terminated at any time prior to the signing of the contract.

YES may initiate discussions with Vendor personnel authorized to contractually obligate the Vendor. Discussions will develop into negotiating sessions with the successful Vendor(s). If YES is unable to agree to contract terms, YES reserves the right to terminate contract negotiations with a Vendor and initiate negotiations with another Vendor. YES reserves the right to select services and products from any number of Vendors if, in its sole discretion, it is in the best interest of YES to do so.

Evaluation will consider the Vendor(s) best meeting the needs and requirements of YES and such evaluation and determination of best value shall be solely at the discretion of YES.

Purchase price is not the only criteria that will be used in the evaluation process.

Submission of qualifications implies the Vendor's acceptance of the evaluation criteria and Vendor's recognition that subjective judgments can and will be made by those individuals evaluating qualifications.

References, site visits, and product inspections may be used to make judgments directly affecting the award of this contract.

NON-PERFORMANCE BY VENDOR

Performance, before and during the contract term, will be a major consideration of current contract award, renewals, and future award considerations. Failure to perform, in any sense relative to this contract, may result in the probation and/or termination of this agreement by YES on the basis of nonperformance. Non-performance shall be determined as follows:

1. Failure to meet and maintain all qualifications required in this RFQ/RFP;
2. Failure to meet required personnel standards and operating performance standards;
3. Failure to maintain appropriate and/or necessary personnel licenses and certifications;
4. Failure to meet all vehicle inspections and certifications which are needed to comply with federal, state, and/or local requirements;
5. Failure to keep and maintain all required insurance coverage; and/or
6. Failure to cure deficiencies within a reasonable amount of time as stated herein.

INSURANCE

All Vendors must provide evidence of insurance or insurability and a Workers' Compensation

Certificate (see Attachments C and D).

GOVERNMENT VIOLATIONS

Vendor shall notify YES of all health and safety violations, OSHA violations, wage and hour violations, or labor violations assessed by any city, state, or federal government department or agency.

NON-COMPLIANCE NOTIFICATION

In the event a Vendor is determined by YES to have failed to perform services in accordance with the requirements listed herein, YES will forward a written notification specifying the violation or the area of non-compliance to the Vendor. The Vendor in non-compliance shall immediately remedy all violations as determined by YES. Any violations not so remedied shall be grounds for termination of the contract, in whole or in part.

OWNERSHIP

YES shall retain ownership rights to all materials or any other product produced in conjunction with the work described herein.

SPECIAL CONDITIONS AND PROJECT INFORMATION

YES Prep Public Schools is a free, open-enrollment public school system that currently serves 15,000 students across nineteen (19) schools in the Houston area. In August 2020, YES Prep will open 2 new elementary schools in the Houston area. YES Prep has been ranked as among the top 100 public high schools in the nation by Newsweek and U.S. News & World Report. Every year, 100 percent of YES Prep's graduating seniors have been accepted into four-year colleges, including Harvard, Yale, Columbia, Rice, and Stanford. YES Prep combines a highly successful 6th-12th grade model along with high standards for student achievement.

A schedule duration MUST be included with RFP response.

- Project will be permitted through City of Houston. Contractor will be responsible for scheduling all inspections and finals.
- Owner will contract direct for fire alarm and data. Contractor will be required to work with and coordinate with Owner contractors.
- Work to start on Monday, June 14, 2021 and Certificate of Occupancy no later than, July 28, 2021.
- Owner will provide area in enclosed parking lot for small laydown and contractor furnished dumpster. Dumpster must have plywood underneath to not damage asphalt.
- Contractor to maintain front entry access for school personnel and students throughout the summer.
- All shutdowns must be coordinated 48hrs in advance with Owner. Building wide shutdowns will take place after-hours.
- Contractor to provide temporary toilet for all workers. Use of Owner facilities is prohibited.
- Contractor must provide daily onsite supervision anytime workers are present.
- Contractor will be responsible for submittals and RFI's with the A/E team before and during construction.
- Contractor to provide one (1) warranty on all work.

REQUIRED SUBMITTALS (Attachment A)

Submittal 1

Experience in Electrical

Vendor shall provide a statement of its qualifications to provide the specific materials and services requested herein.

Submittal 2

Staffing Plan

Vendor shall submit a staffing plan that provides the qualifications of your employees.

Submittal 3

References

Vendor shall supply a list of three (3) references for which Vendor has experience in the scope of work that the proposal is submitted for.

Submittal 4

Customer Feedback

Vendor shall provide a description of its formal customer feedback system, provide sample tools used to gather data, and describe how results were shared with customers and used to improve service.

All submittals must be included in the RFP package returned on **March 12, 2021 by 11:00 AM. It is recommended that each submittal be typed on a separate sheet of paper with the heading “Response to Submittal #___ for YES RFP” at the top and the name of the Vendor underneath.**

QUESTIONNAIRE (Attachment B)

All Vendor must provide answers to the following questions, typed on 8 ½ x 11 inch paper, in the order below. Attachments to the questionnaire answers should reference the question number.

1. Provide the full name and address of your organization.
2. Provide contact person(s) for information concerning this offer: name, title, phone, fax, email address.
3. What form of business is your organization (e.g. proprietorship, partnership, corporation) and is your organization local only, statewide, or nationwide?
4. List all the names under which this Vendor has operated in the last ten (10) years in the State of Texas.
5. Provide a copy of your insurance coverage.
6. Multi-part question:
 - a. Do you currently have any investigations pending by or on behalf of a government entity or other licensing entity?
 - b. Have you had investigations by or on behalf of a government entity or other licensing entity in the past?
 1. If the answer to either question is yes, please provide copies of relevant paperwork.
7. Do you have any relevant experience or projects in the past with education institutions? If so, please provide a high-level overview of these projects.

WORKERS' COMPENSATION CERTIFICATE (Attachment C)

YES requires Vendor to provide workers' compensation as per state law requirements. The Vendor shall sign and submit the following certificate with the written proposal:

- Minimum Workers' Compensation and Employer's Liability Limits
 - Each Accident \$1,000,000
 - Disease – Each Employee \$1,000,000
 - Disease – Policy Limit \$1,000,000

Vendor Name

Signature of Authorized Agent

Date Signed

Note: Vendor may attach current certificate of coverage with a signed statement that if awarded the contract, they will obtain said aforementioned coverage if the current coverage does not meet the stated minimum requirements.

INSURANCE COVERAGE REQUIREMENTS (Attachment D)

General and Excess Liability Minimum Coverages

- General Liability: \$2,000,000
- Umbrella Liability: \$1,000,000

Vendor Name

Signature of Authorized Agent

Date Signed

YES will be named as Additional Insured on the Certificate of Insurance if the Vendor is awarded a contract.

Proposed Exceptions, Alterations, Additions, or Modifications to RFP (Attachment E)

Vendor should submit as Attachment F, any and all proposed exceptions, alterations, additions, or modifications to the YES RFP for Fifth Ward Safety & Security Vestibule.

SCORING RUBRIC (ATTACHMENT F)

YES will utilize the following RFP Evaluation Rubric for evaluation of all YES Prep FW Safety & Security Vestibule.

1. Charges/Cost to YES PREP: 40 Points.

- a. Favorable = 40 Points. Unfavorable = 0 points.
- b. Evaluate the Overall Value of proposed materials and services to be provided.

2. Technical and Education Experience: 20 Points.

- a. Favorable = 20 Points. Unfavorable = 0 points.
- b. Proposal demonstrates the Vendor's ability to deliver quality services to schools.
- c. Includes references, Vendor staff, and/or Vendor's or certifications, qualifications, experience, expertise, and resumes.

3. Proposed Operational Delivery: 10 Points.

- a. Favorable = 10 Points. Unfavorable = 0 points.
- b. Proposal defines services and scope in enough detail that YES can confidently determine that the proposed services will be met.

4. Project Understanding and Methodology: 30 Points.

- a. Favorable = 30 Points. Unfavorable = 0 points.
- b. Proposal addresses the project in terms of the scope of work and substantive issues essential to proper service and care of YES facilities. Proposal includes a detailed description of services to be provided and any constraints as to procedure, time, personnel, or equipment that needs to be communicated to YES for use during contract negotiations.

**END OF YES RFP PACKAGE FOR
Fifth Ward Safety & Security Vestibule**

DESIGN SPECIFICATIONS AND CODE ANALYSIS

- THE DESIGN OF THE STRUCTURES SHOWN WITHIN THESE CONTRACT DRAWINGS IS IN ACCORDANCE WITH:
 - THE 2012 INTERNATIONAL BUILDING CODE WITH CITY OF HOUSTON AMENDMENTS.**
- THESE PLANS MAY NOT BE USED FOR CONSTRUCTION WITHOUT PERMIT APPROVAL FROM THE GOVERNING JURISDICTION. PERMIT MUST BE APPLIED FOR WITHIN ONE YEAR OF PLAN ISSUANCE DATE, AND CONSTRUCTION MUST START WITHIN ONE YEAR OF RECEIPT OF PERMIT. CONTACT EOR TO REQUEST UPDATED PLANS FOR PERMIT SUBMISSION OR CONSTRUCTION WORK BEYOND THESE LIMITS, WHICH MAY REQUIRE REVISIONS BASED ON THE LATEST COMPANY, INDUSTRY, AND BUILDING CODE STANDARDS.
- ALL REFERENCES TO STANDARDS (SUCH AS ASTM, ACI, AISC ETC.) SHALL BE THE LATEST ACCEPTED STANDARD REFERRED TO BY THE CODE NOTED ABOVE.
- CONTRACTOR IS RESPONSIBLE FOR ALL METHODS AND PROCEDURES DURING CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN INTEGRITY OF STRUCTURE DURING CONSTRUCTION.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE DRAWINGS, SPECIFICATION, AND BUILDING CODE REFERENCED ABOVE.
- WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAIL, STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENT SHALL GOVERN.
- REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING FOR SLEEVES, CURBS, INSERTS, DEPRESSIONS, ETC., NOT SHOWN ON STRUCTURAL DRAWINGS. CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BLOCK-OUTS, FINISHES, AND DIMENSIONS WITH OTHER DISCIPLINES PRIOR TO PROJECT LAYOUT.
- OPENINGS THAT ARE REQUIRED BY SUBCONTRACTORS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. ADDITIONAL STRUCTURAL MEMBERS OR REINFORCEMENT MAY BE NECESSARY.
- ESTABLISH AND VERIFY ALL OPENINGS, INSERTS, OR EQUIPMENT FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADE. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE SUBCONTRACTORS AND EQUIPMENT SUPPLIERS. EQUIPMENT BEING SUPPORTED BY OR SUSPENDED FROM THE STRUCTURE SHALL BE COORDINATED WITH THE MANUFACTURER OF ANY PRE-ENGINEERED FRAMING OR COMPONENTS. ALL OPENINGS SHALL BE PROPERLY REINFORCED AND APPROVED BY THE ENGINEER. DO NOT PENETRATE ANY STRUCTURAL ELEMENTS (BEAMS, COLUMNS, WALLS, DECKING, SLABS, ETC.) WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
- THE STRUCTURAL INTEGRITY OF THE BUILDING RELIES ON THE FULL INTEGRATION OF ALL ITS COMPONENT PARTS WITH NO PROVISIONS MADE FOR CONDITIONS AND/OR SEQUENCES OF CONSTRUCTION AND THE STRUCTURAL DESIGN IS BASED ON THIS PREMISE. THEREFORE, THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING OF THE STRUCTURE DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF BRACING FOR ALL WALLS, FORMWORK, AND SHORING DURING CONSTRUCTION.
- CONSTRUCTION MATERIALS SHALL BE SPREAD OUT DURING CONSTRUCTION.
- ALL ERECTION PROCEDURES SHALL COMPLY WITH OSHA STANDARDS.
- CONTRACTOR SHALL DETERMINE THE SCOPE OF WORK FROM THE CONTRACT DOCUMENTS TAKEN AS A WHOLE INCLUDING ARCHITECTURAL, CIVIL, INTERIOR DESIGN, LANDSCAPE AND MEP DRAWINGS. THE STRUCTURAL DRAWINGS SHALL NOT BE CONSIDERED SEPARATELY FOR THE PURPOSES OF BIDDING THE STRUCTURAL WORK. CONTRACTOR SHALL REVIEW THE ENTIRE DRAWING PACKAGE IN ORDER TO DETERMINE THE SCOPE OF STRUCTURAL WORK INCLUDING NECESSARY COORDINATION SHOWN IN OTHER CONSULTANT DRAWINGS.
- THE USE OR REPRODUCTION OF THESE DRAWINGS BY ANY CONTRACTOR, IN LIEU OF PREPARATION OF SHOP DRAWINGS, SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, DUE TO ANY ERRORS THAT MAY OCCUR.
- NOTED SCALES ARE FOR GRAPHIC PURPOSES ONLY. CONTRACTOR SHALL NOT SCALE DRAWINGS FOR THE PURPOSE OF DETERMINING DIMENSIONAL WORK.
- APPROVED ALTERNATES MAY BE SUBMITTED BY CONTRACTOR AND REVIEWED BY DESIGN TEAM. IF ALTERNATE IS ACCEPTED, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE CHANGES AND COSTS NECESSARY TO IMPLEMENT THE CHANGES.
- ALL ASPECTS OF THE FOUNDATION CONSTRUCTION SHALL BE IN COMPLIANCE WITH THESE DRAWINGS AND THE REFERENCED GEOTECHNICAL REPORT.
 - A. GEOTECHNICAL REPORT BY:** PARADIGM CONSULTANTS, INC.
 - B. PROJECT NUMBER:** 11-1012
 - C. REPORT DATE:** MARCH 2011
 - D. MINIMUM GRADE BEAM EMBEDMENT:** 30" BELOW EXTERIOR GRADE
 - E. NET ALLOWABLE BEARING CAPACITY:**
 - i. TOTAL LOAD: 4.5 KSF
 - ii. DEAD LOAD: 3 KSF

SUBMITTALS AND CONSTRUCTION DOCUMENTATION

- THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE FOLLOWING:
 - CONCRETE MIX DESIGNS
 - CONCRETE ACCESSORIES (CHAIRS, CURING COMPOUNDS, ADD MIXTURES ETC.)
 - CONSTRUCTION AND CONNECTION JOINTS LAYOUTS IF APPLICABLE
 - COLD-FORMED METAL FRAMING
 - REINFORCING STEEL
 - MISCELLANEOUS STEEL
 - EMBEDDED ITEMS
 - ANY ITEMS NOT SPECIFICALLY DESIGNED BY THE ENGINEER THAT REQUIRE ENGINEER TO REVIEW FOR LOADING REQUIREMENTS.
- THOSE ITEMS NOT DESIGNED BY THE ENGINEER SHALL BE DESIGNED BY A THIRD-PARTY PROFESSIONAL ENGINEER EMPLOYED BY CONTRACTOR LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN PREPARED BY THIRD PARTY ENGINEERS ON DEFERRED ITEMS. CONTRACTOR AND THIRD-PARTY ENGINEER SHALL RETAIN ALL RESPONSIBILITY FOR THE DESIGN OF THE PRODUCTS AND THE CONNECTIONS OF THE PRODUCTS TO THE BUILDING STRUCTURE.
- ALL SHOP DRAWINGS AND SUBMITTALS SHALL BE REVIEWED BY GENERAL CONTRACTOR AND STAMPED APPROVED OR EXCEPTIONS NOTED PRIOR TO BEING SENT TO ENGINEER. THOSE ITEMS THAT ARE NOT REVIEWED OR NOT REVIEWED ADEQUATELY BY GENERAL CONTRACTOR WILL BE RETURNED TO GENERAL CONTRACTOR WITHOUT BEING REVIEWED AND THIS SHALL NOT BE CAUSE FOR DELAY.
- CONTRACTOR SHALL PREPARE SUBMITTALS PER ARCHITECTS' PROJECT MANUAL.
- THE FAILURE BY THE CONTRACTOR TO SUBMIT A SHOP DRAWING OR SUBMITTAL SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO FURNISH AND INSTALL THE WORK.
- ENGINEER SHALL BE PROVIDED AT LEAST 10 FULL WORKING DAYS (NOT INCLUDING DELIVERY TIME) TO REVIEW SHOP DRAWINGS AND 2 FULL WORKING DAYS TO REVIEW RFIs. RFIs OR SUBSTITUTIONS THAT REQUIRE REDESIGN OR ANY OTHER CHANGES TO THE DRAWINGS MAY EXCEED TYPICAL REVIEW TIMES.
- SHOP DRAWINGS AND SUBMITTALS WILL ONLY BE REVIEWED FOR THE LIMITED PURPOSE OF CHECKING FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT SHOWN IN THE DRAWINGS.
- THE ENGINEER'S REVIEW IS LIMITED TO REVIEWING THAT THE APPLICABLE LOADS USED IN THE DESIGN PERFORMED BY THE THIRD-PARTY ENGINEER WERE GENERALLY IN CONFORMANCE WITH THE REQUIREMENTS LISTED ON DRAWINGS.
- NO WORK ON ANY STRUCTURAL ITEMS INDICATED ON ENGINEER'S DRAWINGS MAY PROCEED UNTIL ALL SUBMITTALS RELATED TO THAT ITEM HAVE BEEN SUBMITTED AND REVIEWED BY ENGINEER WITH NO EXCEPTIONS TAKEN.
- ANY CHANGES TO ENGINEER'S DESIGN THAT ARE REQUIRED TO ACCOMMODATE ANY ISSUE BY THIRD PARTY ENGINEER SHALL BE CLEARLY MARKED AND LOCATED AS A NOTIFICATION TO ENGINEER ON THE SUBMITTAL.
- REVIEW OF SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AN APPROVAL OF ANY MEANS AND METHODS.
- THE USE OF REPRODUCTIONS OF HARD COPIES OR USE OF ENGINEER'S ELECTRONIC COPIES IN LIEU OF THE INDEPENDENT PREPARATION OF SHOP DRAWINGS OR SUBMITTALS SIGNIFIES CONTRACTORS ACCEPTANCE OF ALL INFORMATION SHOWN IN HARD COPIES OR ELECTRONIC FILES AS CORRECT AND OBLIGATES HIMSELF TO ANY JOB EXPENSES REAL OR IMPLIED ARISING DUE TO ERRORS OR INCONSISTENCIES THAT ARE IN THE HARD COPIES OR ELECTRONIC FILES. USE OF SUCH FILES IS SOLELY AT THE CONTRACTOR'S RISK.

BUILDING PAD SPECIFICATIONS

- THE BUILDING PAD SHALL BE PREPARED SO THAT PVR DOES NOT EXCEED 1". REFER TO THE GEOTECHNICAL REPORT FOR PAD PREPARATION REQUIRED TO ACHIEVE THE PVR NOTED.
- ALL GRADE BEAMS SHALL BEAR A MINIMUM OF 30" BELOW FINISHED GRADE.
- PROVIDE AGGREGATE BASE COURSE AND/OR RADON MITIGATION SYSTEM UNDERNEATH SLAB ON GRADE AS INDICATED BY GEOTECHNICAL REPORT.
- CONTRACTOR SHALL EXCAVATE, PREPARE, AND COMPACT THE BUILDING PAD IN ACCORDANCE WITH THE GEOTECHNICAL REPORT NOTED IN THE DESIGN SPECIFICATION.
- THE CONTRACTOR SHALL ADVISE THE ENGINEER OF RECORD OF SITE CONDITIONS WHICH MAY NOT BE DESCRIBED ON THE PLANS OR IN THE GEOTECHNICAL REPORT.
- SLAB SHALL NOT BE PLACED ON UNCONSOLIDATED FILLS OF ANY SIZE UNLESS THE FILL HAS BEEN CONSIDERED IN THE DESIGN OR THE SLAB IS SUPPORTED ON PIERS.
- UNLESS SPECIFIED OTHERWISE IN THE GEOTECHNICAL REPORT, ALL FILLS SHALL BE COMPACTED TO 95% PROCTOR DENSITY AS DETERMINED IN ASTM G 99R. DEEP FILL SHALL BE LAYERED WITH CONSOLIDATED LAYERS OF 8" INCH MAXIMUM THICKNESS.
- IF ANY PORTION OF THE STRUCTURE IS PLACED ON DEEP FILL, THE USE OF REINFORCING STEEL SHALL BE NOTIFIED PRIOR TO CONSTRUCTION.
- TRENCHES FOR BURIED PLUMBING SHALL NOT RUN ALONG OR UNDER THE GRADE BEAMS EXCEPT AT RIGHT ANGLES. TRENCH BACKFILL SHALL BE THOROUGHLY COMPACTED. A CLAY MOISTURE PLUG SHALL BE USED AT THE EDGE OF THE EXCAVATION FOR ALL TRENCHES BACKFILLED WITH SAND.
- GRADE BEAMS AND FOOTINGS SHALL BE CLEAN AND PER PLAN IN SIZE. BEAMS OR FOOTINGS EXCAVATED DIFFERENTLY IN SIZE OR LOCATION THAN SHOWN ON PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
- LOOSE SOILS, CLODS, MUD, STANDING WATER, ICE OR FROST, ORGANICS AND VEGETATION, AND TRASH SHALL BE REMOVED FROM THE GRADE BEAMS AND BUILDING PAD PRIOR TO CONCRETE PLACEMENT.
- PROVIDE A VAPOR RETARDER OR VAPOR BARRIER AS DIRECTED BY THE ARCHITECT OVER THE PREPARED BUILDING PAD. THE THICKNESS SHALL BE AS DETERMINED BY THE ARCHITECT, BUT SHALL NOT BE LESS THAN 10 MIL. THE VAPOR RETARDER/BARRIER SHALL BE LAPPED A MINIMUM OF 12 INCHES AND TAPPED AT THE JOINTS TO PROVIDE A CONTINUOUS SHEET UNDER THE ENTIRE SLAB. SECURING THE VAPOR RETARDER/BARRIER TO THE SIDES OF THE GRADE BEAMS AND CUTTING THE MATERIAL IN THE BOTTOM OF THE BEAMS PRIOR TO CONCRETE PLACEMENT IS RECOMMENDED IN ORDER TO GREATLY REDUCE ANY BRIDGING THAT MAY OCCUR.
- ALL GRADE ADJUSTMENTS SHALL BE MADE WITH ENGINEER FILE AS INDICATED IN GEOTECHNICAL REPORT.
- FOUNDATION CONDITIONS WHICH DIFFER FROM GEOTECHNICAL REPORT SHALL BE BROUGHT TO ATTENTION OF ENGINEER.

BRICK, STONE & CMU FACADE SUPPORT SPECIFICATIONS

- DESIGN OF BRICK, STONE, AND CMU FACADES, AND THEIR ATTACHMENT, IS BY OTHERS. ALL WORK AND DESIGN SHALL MEET THE FOLLOWING STANDARDS AS A MINIMUM:
 - LOOSE LINTELS SHALL BE MANUFACTURED FROM STEEL ANGLES COMPLYING WITH ASTM A36.
 - LINTELS SHALL BE MANUFACTURED FROM ONE CONTINUOUS PIECE WITHOUT SPLICES AND SHALL BE PROTECTED FROM CORROSION AS INDICATED BY THE ARCHITECT, WITH PAINT AS A MINIMUM.
 - LINTELS SHALL BEAR A MINIMUM OF 8" ON EACH END.
 - THE COMPRESSIVE STRENGTH OF THE BRICK, STONE AND CMU FACADES SHALL BE AS REQUIRED TO SUPPORT ALL OF THE STACKING TRIBUTARY AREA OF BRICK AND STONE ABOVE IT FOR THE REQUIRED FACE HEIGHTS AND GRAVITY LOAD PATHS AROUND DRAININGS.
 - VERTICAL JOINTS SHALL BE PROVIDED IN LONG HORIZONTAL RUNS OF BRICK TO ACCOMMODATE THERMAL EXPANSION MOVEMENT AND RELIEVE ASSOCIATED STRESSES.
 - BRICK, STONE, AND CMU FACE CONSTRUCTION SHALL UTILIZE BRICK TIES THAT ARE CAPABLE OF ACCOMMODATING VOLUME CHANGES FROM THERMAL EXPANSION/CONTRACTION AND THE DEFLECTION, WOOD SHRINKAGE, AND FRAMING GAP TAKE-UP LISTED ON THESE PLANS, IN ADDITION TO HORIZONTAL DEFLECTIONS OF COMPARABLE TOTAL MAGNITUDES AS A RESULT OF SHORT-TERM LATERAL LOADS.
 - PROVIDE SOFT MOVEMENT JOINTS BETWEEN BRICK, STONE, AND CMU FACADES SUPPORTED AT DIFFERENT ELEVATIONS OR BY DIFFERENT STRUCTURAL SYSTEMS.
 - MASON TO SIZE LINTELS, IN NO CASE BEING LESS THAN FOLLOWS:

SPAN	ANGLE SIZE
L <= 4'-0"	L 3 X 3 X 3/8 X 5/16
4'-0" < L <= 6'-0"	L 5 X 3 X 3/8 X 5/16 LLV
6'-0" < L <= 8'-0"	L 5 X 3 X 3/8 LLV
8'-0" < L <= 10'-0"	L 6 X 3 X 3/8 LLV
10'-0" < L <= 12'-0"	L 7 X 4 X 3/8 LLV
12'-0" < L	CONTACT ENGINEER

DESIGN LOADS

- THE DESIGN LOADS PERTINENT TO THE STRUCTURAL DESIGN OF THE STRUCTURES ARE AS FOLLOWS:
 - A. FLOOR LIVE LOADS:**
 - i. CORRIDORS & OFFICES: 100 PSF
 - ii. MECHANICAL/ELECTRICAL ROOMS: 100 PSF
 - iii. STORAGE SPACES: 125 PSF
 - B. WIND LOADS:**
 - i. BASIC DESIGN WIND SPEED - V: 139 MPH
 - ii. WIND EXPOSURE: B
 - iii. RISK CATEGORY: II
 - iv. DESIGN METHOD: DIRECTIONAL
 - v. INTERNAL PRESSURE COEFFICIENT: ±0.18
 - vi. COMPONENT & CLADDING WIND PRESSURES (ASD):
 - (LOADS ARE BASED ON THE TRIBUTARY AREAS LISTED AND MAY VARY/25% BE REDUCED FOR LARGER AREAS; CONTACT THE EOR.)
 - a. WALLS & SOFFITS (10.5.4)
 - i. Zone 4: +25/-25 PSF
 - ii. Zone 5: +25/-46 PSF
 - C. EARTHQUAKE LOADS:**
 - i. Ss: 0.072
 - ii. S1: 0.039
 - iii. SITE CLASS: D
 - iv. Sds: 0.077
 - v. So1: 0.062
 - vi. SEISMIC DESIGN CATEGORY: A
 - vii. Risk Category: II
 - viii. SEISMIC IMPORTANCE FACTOR: 1.0
 - ix. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

REINFORCED CONCRETE SPECIFICATIONS

- ALL CONCRETE SHALL COMPLY WITH THE FOLLOWING:

LOCATION	CONCRETE STRENGTH F'c	Max W/CM RATIO	Max AIR CONTENT %	Max AGGREGATE SIZE"
SLABS ON GRADE	3,000 PSI	0.55	0+1.5%	1"
PIERS	3,000 PSI	0.55	0+1.5%	1"
GRADE BEAMS	3,000 PSI	0.55	0+1.5%	3"
- THIS SPECIFICATION ALSO APPLIES TO MICRO & MACRO FIBER SLABS AS WELL AS UN-REINFORCED TOPPING SLABS.
- CONCRETE SUPPLIER SHALL DETERMINE SLUMP FOR EACH MIX DESIGN TO PROVIDE PROPER WORKABILITY, ADEQUATE CONSOLIDATION AROUND REINFORCING STEEL, GOOD FINISHING AND GOOD OVERALL PERFORMANCE.
- CONCRETE SLUMP SHALL BE SHOWN ON EACH CONCRETE MIX DESIGN. SLUMP SHALL BE TESTED AT EACH TRUCK FOR THE PURPOSE OF DETERMINING AND ESTABLISHING CONSISTENCY. THOSE BATCHES FOR WHICH THE TESTED SLUMP DOES NOT MATCH THE MIX DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND MAY BE REJECTED.
- CONCRETE FOR PIERS SHALL HAVE A SLUMP OF 8".
- IN NO CASE SHALL CONCRETE THAT IS SET/TWELVE FINISHED INCLUDE ENTRAINED AIR.
- ADMITTIVES, AGGREGATES ETC. MAY NOT CONTAIN CHLORIDE SALTS.
- CONCRETE MATERIALS SHALL COMPLY WITH THE FOLLOWING:
 - A. PORTLAND CEMENT:** TYPE I AND CONFORMING TO THE REQUIREMENTS OF ASTM C150
 - B. MAXIMUM SOLUBLE CHLORIDE ION CONTENT SHALL BE LESS THAN 0.06 PERCENT BY WEIGHT OF CEMENT IN ACCORDANCE WITH ACI 350, SECTION 4.4.1.**
 - C. NORMAL WEIGHT AGGREGATE:** ASTM C33
 - D. LIGHT WEIGHT AGGREGATE:** ASTM C330
 - E. FINE AGGREGATE:** NATURAL SAND
 - F. FLY ASH:** ASTM C618, CLASS C OR F
 - G. SILICA FUME:** 20% MAX, INCLUDING POZZOLANS AND SILICA FUME
 - H. SLAG CEMENT:** ASTM C989, 50% MAX, INCLUDING POZZOLANS AND SILICA FUME
 - I. WATER:** ASTM C94 AND POTABLE
 - J. WATER REDUCING MIXTURES:** ASTM C494
 - K. AIR ENTRAINING ADMIXTURES:** ASTM C262
- THE FOLLOWING DESIGN STANDARDS SHALL APPLY:
 - A. TOLERANCES FOR CONST.:** ACI 117
 - B. READY-MIX CONCRETE:** ASTM C94 AND C685
 - C. MIXING, TRANSPORTING AND PLACEMENT:** ASTM 301, ACI 304, ACI318
 - D. DETAILING:** ACI 315
 - E. FINISHING:** ACI 302.1R
 - F. CURING:** ACI 308R AND ACI 302.1R
 - G. HOT AND COLD WEATHER:** ACI 305R AND 306R
- COVER AND PROTECTION OF CONCRETE SHALL COMPLY WITH ACI 318 AS WELL AS MINIMUM COVER FOR FIRE RESISTANCE IBC TABLE 721.1. UNLESS NOTED OTHERWISE IN THE DRAWINGS, DETAILS, OR STANDARD DETAILS, COVER SHALL BE AS FOLLOWS:
 - A. SLAB ON GRADE INSIDE CONDITIONED SPACES:** 3/4" TOP
 - B. PIERS & BEAMS:** 3"
- CONCRETE SUPPLIER SHALL BE CERTIFIED ACCORDING TO THE NATIONAL READY MIXED CONCRETE ASSOCIATION'S CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES.
- CONCRETE MIX DESIGNS SHALL BE DETERMINED BY QUALIFIED LAB AND REGISTERED ENGINEER. MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL AT LEAST 7 DAYS PRIOR TO THE DELIVERY OF THE MIX TO THE JOB SITE.
- AIR CONTENT FOR EACH BATCH OF CONCRETE SHALL BE TESTED IN ACCORDANCE WITH ASTM C173 OR C231 AT THE POINT OF PLACEMENT.
- HARD TROVELED SURFACES SHALL NOT BE AIR ENTRAINED.
- CONCRETE FOR CYLINDERS AND SLUMP TESTS SHALL BE TAKEN AT THE POINT OF PLACEMENT.
- WATER MAY NOT BE ADDED TO BATCH AT THE SITE UNLESS IT IS SPECIFICALLY NOTED THAT IT MAY BE ADDED ON THE "TICKET PROVIDED BY THE READY-MIX COMPANY. IN NO CASE MAY MORE WATER BE ADDED TO MIX THAN ALLOWED ON TICKET.
- FOR SLABS ON GRADE THAT ARE NOT POST-TENSIONED, CONSTRUCTION OR CONTROL JOINTS, U.N.O. ON PLAN, SHALL BE CONSTRUCTED AS NOTED IN SLAB ON GRADE SPECIFICATIONS. COORDINATE LOCATIONS WITH ARCHITECT.
- CONTROL JOINTS SHALL BE SAWS AS SOON AS PRACTICALLY POSSIBLE. JOINTS SHOULD BE SAWS AS SOON AS THE CONCRETE WILL WITHSTAND THE ENERGY OF SAWING WITHOUT RAVELING OR DISINTEGRATING AGGREGATE PARTICLES.
- CONSTRUCTION JOINTS ARE NOTED ON PLAN BUT MAY BE MOVED OR NEW ONES ADDED IF APPROVED BY ENGINEER.
- HORIZONTAL JOINTS SHALL NOT BE ALLOWED UNLESS NOTED IN THE DRAWINGS. IF APPROVED BY ENGINEER VERTICAL JOINTS IN FLEURAL MEMBERS SHALL OCCUR AT THE 1/3 POINT OF A SPAN.
- CONSTRUCTION JOINTS BETWEEN PIERS AND GRADE BEAMS SHALL BE PREPARED BY ROUGHENING THE CONTACT SURFACE TO A DEPTH OF 3/4" OVER THE FULL CONTACT AREA. AFTER ROUGHENING, THE SURFACES SHALL BE CLEANED AND ALL LOOSE MATERIAL SHALL BE REMOVED.
- ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4" UNLESS NOTED OTHERWISE.
- PRIOR TO CONSTRUCTING FORMS OR PLACING CONCRETE, CONTRACTOR SHALL VERIFY FINISHES WITH ARCHITECT.
- CONTRACTOR SHALL IDENTIFY EACH TYPE OF FLOORING UTILIZED ON THE PROJECT AND DETERMINE FLOOR SURFACE CLASSIFICATION FOR EACH TYPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND INDUSTRY STANDARDS. CONTRACTOR SHALL PROVIDE APPROPRIATE FLATNESS AND LEVELNESS FOR EACH CLASSIFICATION IN ACCORDANCE WITH ACI 117.
- PRIOR TO CONSTRUCTING FORMS OR PLACING CONCRETE, CONTRACTOR SHALL NOTIFY SUBCONTRACTORS TO BE SURE SLEEVES, CONDUIT, CHASIS, EMBEDDED ITEMS, BLOCK-OUTS, ETC. ARE PROPERLY INSTALLED. CONTRACTOR SHALL NOTIFY ENGINEER OR OWNERS' REPRESENTATIVE AT LEAST 48 HOURS PRIOR TO PLACING CONCRETE TO ALLOW TIME FOR OBSERVATION OF FORMS AND REINFORCING.
- CONCRETE SHALL BE PROTECTED FROM RAIN.
- AFTER FINISHING, CONCRETE SHALL BE CURED BY KEEPING CONCRETE DAMP AND COVERING WITH PLASTIC OR BURLAP FOR A MINIMUM OF 72 HOURS. A CURING COMPOUND MAY BE USED INSTEAD IF APPROVED BY ENGINEER.
- REPAIR RUNS, AND OTHER DAMAGED AREAS AS DIRECTED BY ENGINEER.
- REPAIR CONCRETE EXHIBITING HONEYCOMBS, ROCK POCKETS, AND SPALLS, OR OTHERWISE DAMAGED SURFACES WITH DRY PACK CEMENT GROUT AND FINISHED FLUSH WITH ADJACING SURFACE.

REINFORCING STEEL SPECIFICATIONS

- REINFORCING BARS SHALL BE GRADE 60 AND CONFORM TO THE REQUIREMENTS OF ASTM A615.
- COMPLETE REINFORCEMENT DRAWINGS SHALL BE PREPARED BY FABRICATOR AND SUBMITTED TO ENGINEER FOR REVIEW.
- ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE LATEST EDITION OF ACI 318 AND THE CRSI "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION", AND AS MODIFIED BY THE DRAWINGS.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- WELDING OF REINFORCING BARS SHALL NOT BE PERMITTED WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. IF WELDING IS PERMITTED, IT SHALL CONFORM TO THE REQUIREMENTS OF AWS D1.4.
- REINFORCING BARS AND ACCESSORIES SHALL BE STORED ABOVE THE GROUND SURFACE UPON PLATFORMS, SKIDS OR OTHER SUPPORTS.
- UNLESS NOTED OTHERWISE, LAP SPLICES IN CONCRETE SHALL BE CLASS "B" TENSION LAP SPLICES PER SCHEDULE. STAGGER ALTERNATING SPLICES A MINIMUM OF ONE LAP LENGTH.
- ALL SPLICE LOCATIONS SUBJECT TO APPROVAL AND SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.
- EXTEND ALL HORIZONTAL REINFORCING CONTINUOUSLY AROUND CORNERS AND INTERSECTIONS OR PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTINGS AND WALLS.
- ALL REINFORCING STEEL BARS CROSSING A CONSTRUCTION JOINT SHALL CONFORM TO ONE OF THE FOLLOWING:
 - A. SPLICE CONNECTION SHALL DEVELOP FULL TENSILE CAPACITY OF BAR OR,**
 - B. INSERTS SHALL BE "ZAP-SCREW LOCK" TYPE.**
- REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. BARS MAY NOT BE BUNDLES AND SPACED FARTHER APART UNLESS APPROVED BY ENGINEER.
- DOWEL ALL VERTICAL REINFORCING TO FOUNDATION. SKEW HOOKS AS NECESSARY TO PROVIDE ADEQUATE CONCRETE COVER.
- SECURELY TIE AND SUPPORT ALL BARS IN POSITION BEFORE PLACING CONCRETE AS REQUIRED BY ACI IN ORDER TO SECURE DETAIL POSITIONING AND CLEARANCE DURING CONCRETE PLACEMENT AND PROTECTION OF FOOTINGS AND WALLS.
- CONVENTIONALLY REINFORCED SLABS ON GRADE SHALL HAVE CONTROL OR CONSTRUCTION JOINTS ON COLUMN CENTERLINES IN EACH DIRECTION. ADDITIONAL CONTROL OR CONSTRUCTION JOINTS SHALL BE ADDED SO THAT SPACING OF JOINTS DOES NOT EXCEED THE LESSER OF 24 X SLAB THICKNESS OR 18 FEET IN EACH DIRECTION. ALSO, THE AREA BOUNDED BY THE JOINTS SHALL NOT EXCEED APPROXIMATELY 325 SQUARE FEET AND THE LENGTH SHALL NOT EXCEED 1.5 TIMES THE WIDTH. THERE SHALL BE AN ADDITIONAL CONTROL JOINT PLACED 5 FEET FROM THE EDGE OF THE BUILDING. CONTROL JOINTS MAY BE CUT OR FORMED. DEPTH OF CONTROL JOINTS SHALL BE 1/4 OF THE SLAB THICKNESS OR 1" MIN.
- WHERE THE SLAB IS TO RECEIVE SENSITIVE FLOOR MATERIAL SUCH AS TILE, THE JOINTS SHALL BE ALIGNED WITH THE JOINTS IN THE FINISHED FLOORING MATERIAL.
- THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL PLANS FOR THE AREAS WHERE THE SLAB ON GRADE IS STAINED, STAMPED OR TO RECEIVE A PATTERN OF CONTROL JOINTS.

SLAB-ON-GRADE SPECIFICATIONS

- ALL SLEEVES SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE OR PVC.
- NO CONDUIT LARGER THAN 1/2" Ø SHALL BE RUN IN STRUCTURAL CONCRETE MEMBERS OR SLAB WITHOUT APPROVAL OF ENGINEER.
- ALL UNDERGROUND UTILITIES SHALL BE COMPLETED IN ADVANCE OF FOUNDATION CONSTRUCTION.
- CONVENTIONALLY REINFORCED SLABS ON GRADE SHALL HAVE CONTROL OR CONSTRUCTION JOINTS ON COLUMN CENTERLINES IN EACH DIRECTION. ADDITIONAL CONTROL OR CONSTRUCTION JOINTS SHALL BE ADDED SO THAT SPACING OF JOINTS DOES NOT EXCEED THE LESSER OF 24 X SLAB THICKNESS OR 18 FEET IN EACH DIRECTION. ALSO, THE AREA BOUNDED BY THE JOINTS SHALL NOT EXCEED APPROXIMATELY 325 SQUARE FEET AND THE LENGTH SHALL NOT EXCEED 1.5 TIMES THE WIDTH. THERE SHALL BE AN ADDITIONAL CONTROL JOINT PLACED 5 FEET FROM THE EDGE OF THE BUILDING. CONTROL JOINTS MAY BE CUT OR FORMED. DEPTH OF CONTROL JOINTS SHALL BE 1/4 OF THE SLAB THICKNESS OR 1" MIN.
- WHERE THE SLAB IS TO RECEIVE SENSITIVE FLOOR MATERIAL SUCH AS TILE, THE JOINTS SHALL BE ALIGNED WITH THE JOINTS IN THE FINISHED FLOORING MATERIAL.
- THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL PLANS FOR THE AREAS WHERE THE SLAB ON GRADE IS STAINED, STAMPED OR TO RECEIVE A PATTERN OF CONTROL JOINTS.

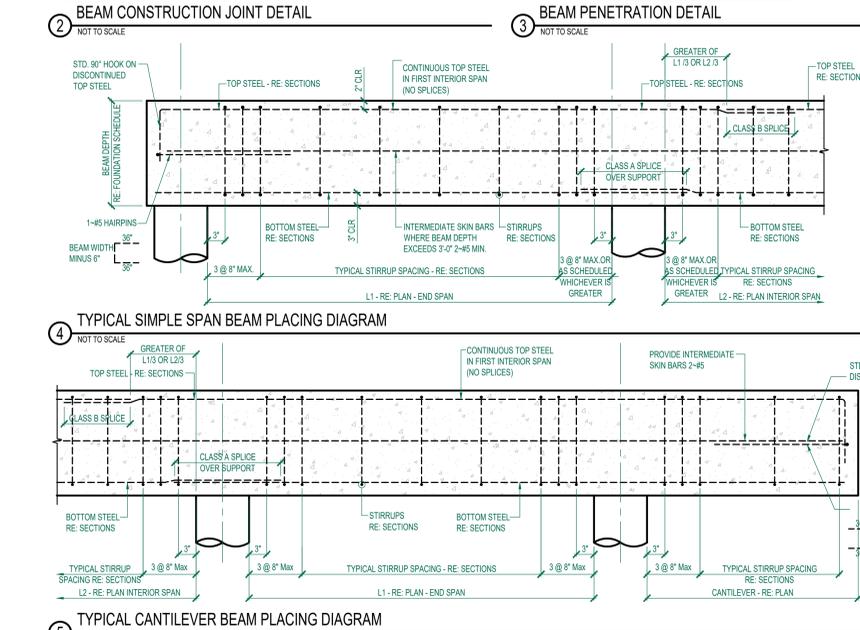
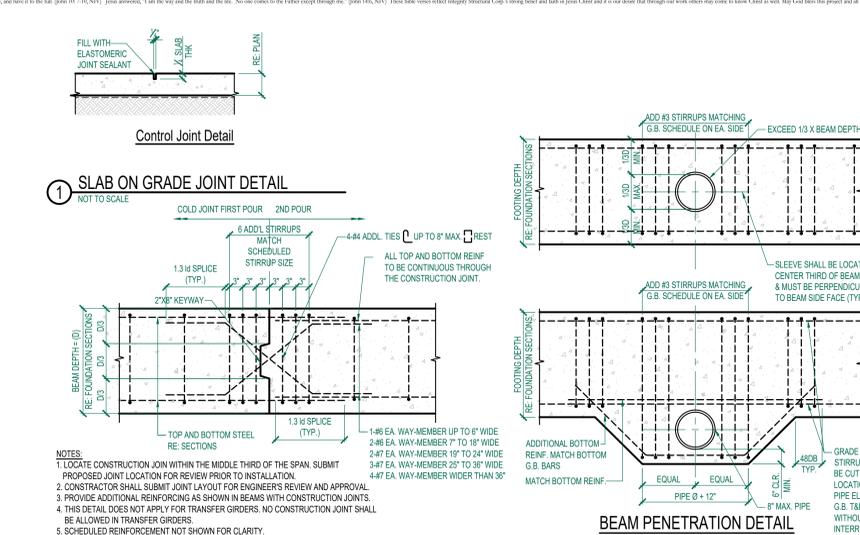
DRILLED PIER SPECIFICATIONS

- PIERS SHOULD BE DRILLED AND CONCRETE PLACED IN A CONTINUOUS MANNER.
- DRILLED FOOTING EXCAVATIONS SHOULD BE FILLED WITH CONCRETE IMMEDIATELY AFTER THE COMPLETION OF THE DRILLING AND INSPECTING OPERATIONS.
- CONCRETE SHOULD BE PLACED IN ONE CONTINUOUS PLACEMENT.
- NOT MORE THAN 1 INCH OF WATER SHOULD BE ALLOWED OVER THE BOTTOM OF THE DRILLED FOOTING EXCAVATION AT THE TIME OF CONCRETE PLACEMENT.
- DRILLED PIERS WITH LESS THAN 2 PIER DIAMETERS CLEAR BETWEEN SHAFTS SHALL BE EXCAVATED AND CONCRETE PLACED A MINIMUM OF TWENTY FOUR HOURS APART.
- IF SHAFTS CANNOT BE FORMED WITHOUT CAVING OF THE SOIL, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED BEFORE ANY CORRECTIVE ACTION IS TAKEN.
- JOINTS BETWEEN PIERS AND PIER CAPS SHALL BE PREPARED BY ROUGHENING THE SURFACE OF THE CONCRETE IN AN APPROVED MANNER SO THAT THE AGGREGATE SHALL BE EXPOSED UNIFORMLY LEAVING NO LOOSE DEBRIS.
- HOLES FOR PIERS SHALL BE DRILLED STRAIGHT AND TO SUCH A DEPTH AS SHOWN ON THE DRAWINGS OR TO A DEPTH SUITABLE TO THE ENGINEER.
- THE MAXIMUM ACCEPTABLE TOLERANCE FROM PLUMB IN ANY HOLE, MEASURED IN THE CENTER OF THE HOLE SHALL NOT EXCEED 1/8" PER 10' FOOT OF DEPTH NOT EXCEEDING 1" IN TOTAL.
- MAXIMUM ECCENTRICITY FROM PIER TO COLUMN LOAD SHALL NOT EXCEED 5% OF THE PIER DIAMETER.
- CASING MAY BE REQUIRED WHERE, IN THE OPINION OF THE GEOTECHNICAL ENGINEER, CAVING MAY BE A CONCERN, INCREASED WATER IN EXCAVATION IS AN ISSUE, OR WHERE NECESSARY TO COMPLY WITH ANY APPLICABLE CODE.
- IF CASING IS REQUIRED, THE EMBEDMENT INTO THE BEARING STRATA SHOWN ON PLANS, DETAILS OR GEOTECHNICAL REPORT SHALL BE GROUPED BY THE SAME AMOUNT AS THE LENGTH OF THE CASING INSERTED INTO THE BEARING STRATA.
- NO SHAFT EXCAVATION SHALL BE FILLED WITH CONCRETE UNTIL IT HAS BEEN CLEANED OF ANY LOOSE DIRT OR RUBBLE AND UNTIL THE EXCAVATION HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER OR TESTING LAB.
- ALL ASPECTS OF PIER CONSTRUCTION SHALL COMPLY WITH ACI 318, IBC (REFERENCED EDITION), ACI 336.1, AND ACI336.3R LATEST EDITION AND GEOTECHNICAL REPORT.
- THE REINFORCEMENT SHALL BE USED TO PLACE CONCRETE WITHIN 4' OF ITS FINAL LOCATION.
- VERTICAL BAR SPACERS SHALL BE USED AT 0' C. MAX ON THREE SIDES OF THE CAGE TO KEEP CAGE CENTERED IN HOLE.
- CONTRACTOR SHALL MAINTAIN INDEPENDENT RECORDS OF PIER INSTALLATION. THOSE RECORDS SHALL BE COMPARED TO THE TESTING LAB'S RECORDS AND ALL DISCREPANCIES RESOLVED IMMEDIATELY.

COLD-FORMED METAL FRAMING SPECIFICATIONS

- ALL COLD FORMED METAL FRAMING SHALL BE DESIGNED BY AN ENGINEER EMPLOYED BY METAL FRAMING CONTRACTOR IN ACCORDANCE WITH THE IBC AND THE LATEST NORTH AMERICAN SPECIFICATION. SHOP DRAWINGS AND DESIGN SHALL BE PREPARED UNDER SUPERVISION OF ENGINEER FOR LOADS INDICATED ON DRAWING AND DEFLECTION LIMITS AS NOTED BELOW:

LOCATIONS	Live	Snow OR WIND	Dead + Live
ROOF MEMBERS:	L/360	L/360	L/240
FLOOR MEMBERS:	L/360	N/A	L/240
EXTERIOR - BRICK:	N/A	L/600	N/A
EXTERIOR - BRITTLE FIN.	N/A	L/240	N/A
EXTERIOR - FLEXIBLE FIN.	N/A	L/120	N/A
- COLD-FORMED STRUCTURAL FRAMING MEMBERS SHALL BE MANUFACTURED FROM STRUCTURAL QUALITY STEEL HAVING MINIMUM YIELD STRENGTH OF 33 KSI, AND HAVE MINIMUM PROTECTIVE COATING EQUAL TO G-90 GALVANIZED FINISH. THE STEEL SHALL CONFORM TO ONE OF THE FOLLOWING ASTM STANDARDS: A653, A875, A792 OR A463.
- STRUCTURAL PROPERTIES AND CAPACITIES OF STEEL FRAMING COMPONENTS SHALL BE IN ACCORDANCE WITH THE A.I.S.I. COLD-FORMED DESIGN SPECIFICATION AND THE 2012 NORTH AMERICAN SPECIFICATION.
- ALL STRUCTURAL ACCESSORIES SHALL BE FORMED FROM STRUCTURAL QUALITY STEEL WITH A MINIMUM YIELD STRENGTH OF 33 KSI AND HAVE A MINIMUM PROTECTIVE COATING EQUAL TO G-90 GALVANIZED FINISH.
- STRUCTURAL FRAMING MEMBERS SHALL BE PROPERLY SPACED, PLUMBED, LEVELED, SQUARED, FIT PROPERLY AGAINST ABUTTING MEMBERS AND HELD SECURELY IN PLACE UNTIL PERMANENTLY FASTENED. WIRE TYING OF STRUCTURAL FRAMING MEMBERS IS NOT PERMITTED.
- FASTENING OF STRUCTURAL FRAMING MEMBERS SHALL BE ACCOMPLISHED BY SCREWS, POWER ACTUATED FASTENERS (PAF), WELDING, OR A COMBINATION OF METHODS. THE TYPE, SIZE, AND SPACING OF FASTENERS SHALL BE AS INDICATED BY THE CONTRACT DOCUMENTS, REQUIRED BY DESIGN, OR APPROVED CONNECTION DETAILS.
- UNLESS NOTED OTHERWISE OR REQUIRED BY DESIGN, REFER TO LITERATURE PUBLISHED BY HILLI FASTENING SYSTEMS, INC. FOR EXPANSION BOLT AND POWDER DRIVEN FASTENER INFORMATION. USE 1" MINIMUM EMBEDMENT FOR EACH PATTERN DRIVEN FASTENER UNLESS NOTED OTHERWISE. REFER TO BUILDLEX, INC. TECHNICAL INFORMATION FOR TEXS SCREW DATA.
- WELDING SHALL BE PERFORMED IN ACCORDANCE WITH PROCEDURES AND BY PERSONNEL COMPLYING WITH AWS D1.1, "STRUCTURAL WELDING CODE - STEEL", AND AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL".
- STRUCTURAL FRAMING MEMBERS HAVING PROTECTIVE COATING REMOVED BY WELDING SHALL HAVE THE COATING REPAIRED BY PAINTING WITH A ZINC-RICH PRIMER.
- CUT FRAMING MEMBERS BY SAWING OR SHEARING; DO NOT TORCH CUT.
- STRUCTURAL MEMBERS ARE NOT PERMITTED TO HAVE SPLICES OR CUTOUTS IN THE FLANGES.
- INSTALL FRAMING MEMBERS IN ONE-PIECE LENGTHS, UNLESS SPLICE CONNECTIONS ARE INDICATED FOR TRACK OR TENSION MEMBERS.
- FASTEN HOLE REINFORCING PLATES OVER WEB PENETRATIONS THAT EXCEED SIZE OF MANUFACTURER'S STANDARD PUNCTURED OPENINGS.
- TEMPORARY BRACING SHALL BE PROVIDED AND REMAIN IN PLACE UNTIL WORK IS COMPLETELY STABILIZED.



REBAR EMBEDMENTS AND SPLICING SCHEDULE

TENSION DEVELOPMENT LENGTHS FOR STANDARD END HOOKS (LDH)						
BAR SIZE	FY = 60,000PSI, NON-EPOXY COATED, NORMAL WEIGHT CONCRETE					
	FC = 3,000PSI	FC = 4,000PSI	FC = 5,000PSI	FC = 6,000PSI	FC = 7,000PSI	FC = 8,000PSI
#3	9"	8"	8"			

