



Department of Management Services
Purchasing Division
241 West South Street
Kalamazoo, MI 49007-4796
Phone: 269.337.8020
Fax: 269.337.8500
www.kalamazoocity.org

REQUEST FOR QUOTE
THIS IS NOT AN ORDER

PROJECT: Bronson Park Stage Lighting

QUOTE REFERENCE NO: 98854-004.0

DEPARTMENT CONTACT: Ashton Anthony, Deputy Director-CPRP at (269) 337-8295 or
anthonya@kalamazoocity.org

DEPT: Parks & Recreation

ISSUE DATE: February 8, 2023

QUOTE RETURN DATE: March 1, 2023, by end of business day (4:30 p.m.)

SUBMITTAL INSTRUCTIONS: Return on or before date above. Mark envelope - Quotation -
Bronson Park Stage Lighting and due date. This quote may also be faxed to (269) 337-8500 or
emailed to cokpurchasing@kalamazoocity.org.

STATEMENT OF NO QUOTE

If you do not respond to this inquiry within the time set for the quote due date and time noted, it will be
assumed that you can no longer supply this commodity/service, and your name will be removed from
this bid list.

- Specifications are unclear (explain below).
We are unable to meet specifications.
Our schedule would not permit us to perform.
We do not offer this product or service.
Remove us from your bidders list for this commodity or service.

REMARKS:

SIGNED: NAME: (Type or Print)

TITLE: DATE:

FIRM NAME: (if any)

ADDRESS: (Street address) (City) (State) (Zip)

PHONE: FAX:

EMAIL:

SUBMITTAL INSTRUCTIONS FOR QUOTES

1. **EXAMINATION OF QUOTE DOCUMENT**-Before submitting a quote, bidders shall carefully examine the specifications and shall fully inform themselves as to all existing conditions and limitations. The bidder shall indicate in the quote the sum to cover the cost of all items included on the quote form.
2. **PREPARATION OF QUOTE**-The quote shall be legibly prepared in ink or typed. If a unit price or extension already entered by the bidder on the Request for Quote form is to be altered, it shall be crossed out and the new unit price or extension entered above or below and initialed by the bidder with ink. The quote shall be legally signed and the complete address of the bidder given thereon.
3. **EXPLANATION TO BIDDERS**-Any binding explanation desired by a bidder regarding the meaning or interpretation of the Quote and attachments must be requested in writing, and with sufficient time allowed for a reply to reach all prospective bidders before the submission of their quote. Any information given to prospective bidders concerning the quote will be furnished to all prospective bidders as an amendment or addendum. Receipt of amendments or addenda by a bidder must be acknowledged in the quote by attachment, or by letter or fax received on or before the due date.
4. **CASH DISCOUNTS**-Discount offered for payment of less than thirty (30) days will not be considered in evaluating quotes for award. Offered discounts of less than thirty (30) days will be taken if payment is made within the discount period, even though not considered in evaluation of the quote.
5. **WITHDRAWAL OF QUOTES**-Quotes may be withdrawn by a bidder or authorized representative by written request, but only if the withdrawal is made prior to the close of the business day set for receipt of quotes. Quotes may not be withdrawn for at least ninety (90) days after due date.
6. **UNIT PRICES**-If there is a discrepancy between unit prices and their extension, unit prices shall prevail.
7. **INFORMAL COMPETITION**-The City reserves the right to accept or reject any or all quotes and waive informalities and minor irregularities in the quotes received. The City will consider all quotes and make the purchasing decision most advantageous to the City and its interests.

QUOTE FORM

The undersigned having become thoroughly familiar with all of the bid/contract documents incorporated herein, the project site and the location conditions affecting the work, hereby proposes to perform everything required to be performed in strict conformity with the requirements of these documents, and to provide and furnish all the equipment, labor and materials necessary to complete in a professional manner the furnishing and installing of all of the following, meeting or exceeding the specifications as set forth herein for the prices as stated below.

BRONSON PARK STAGE LIGHTING

TOTAL LUMP SUM BID

Furnish all labor, materials, tools and equipment necessary to perform the Bronson Park Stage Lighting project as specified herein.

\$ _____

If your quotation is not returned and completed on this form, it may be rejected.

Bidder shall provide all of the information as requested herein with their quote. **Failure to do so and/or failure to provide post-bid requested information may be cause for rejecting the quote as non-responsive.**

Bidder/Contractor has examined and carefully studied the bidding documents and attachments, and acknowledges receipt of the following addenda:

Addendum No: _____

Dated: _____

Work shall start within 10 working days after receipt of notification by Contractor of Notice to Proceed. **All work is to be completed, no later than May 31, 2023.**

The City encourages the use of local labor in fulfilling the requirements of this contract.

By my signature below, I certify that the firm bidding on this contract, when making hiring decisions, does not use a past criminal conviction as a bar to or preclude a person with a criminal conviction from being considered for employment with the bidding firm unless otherwise precluded by federal or state law. I further certify that I have read and agree to be bound by the provisions of the City's Non-Discrimination Clause found in Appendix A as updated by City Ordinance 1856.

Signed: _____ Name: _____

Title: _____

BIDDERS QUESTIONNAIRE

Please answer the following questions completely.

1. Firm name: _____

2. Established: Year _____ No. of employees _____

3. Type of organization:

a. Individual: _____	b. Partnership: _____
c. Corporation: _____	d. Other: _____

4. Former firm name(s) if any, and year(s) in business:

5. Include at least 3 references of contracts for similar work performed over the last 5 years.
 - 5.1 Company Name: _____
Address: _____
Contact: _____ Phone: _____
Type of work or contract: _____

 - 5.2 Company Name: _____
Address: _____
Contact: _____ Phone: _____
Type of work or contract: _____

 - 5.3 Company Name: _____
Address: _____
Contact: _____ Phone: _____
Type of work or contract: _____

**CITY OF KALAMAZOO
LOCAL PREFERENCE POLICY AND CERTIFICATION**

The lowest responsive Kalamazoo County bidder whose bid is not low but falls within 2% of the lowest responsive bid is afforded the opportunity to become the successful bidder if it agrees to reduce its bid to match the lowest responsive bid. The City of Kalamazoo is the sole determiner whether a bidder is responsible, qualifies as a Kalamazoo County bidder, and if its bid is responsive to the City's specifications, terms and conditions.

If the lowest Kalamazoo County bidder chooses not to match the lowest bid, the next lowest responsive Kalamazoo County bidder whose bid falls within 2% of the lowest bid, is given the opportunity to match the lowest responsive bid.

To qualify as a Kalamazoo County bidder, the bidder must meet both the following criteria:

1. Have a physical presence in Kalamazoo County by maintaining a permanent office, factory or other facility in Kalamazoo County with employees working in Kalamazoo County.
2. Have paid real or personal property taxes related to said business to the City of Kalamazoo, County of Kalamazoo or other municipal corporation within Kalamazoo County in the previous tax year, except that a non-profit entity need not meet this requirement.

This local preference policy applies only to purchases for materials, supplies, capital outlay, and services for maintenance, repair or operation of City facilities that are over \$25,000. If more than 50% of the contract is sub-contracted to firms located outside of Kalamazoo County that bid does not qualify for the local preference policy outlined above. The local preference policy will not apply if prohibited by law. The Purchasing Director has the authority to finally determine if the bidder qualifies as a Kalamazoo County bidder as set forth herein. The Purchasing Director may take into account the permanency of the business in Kalamazoo, and whether the business appears to be claiming to be a Kalamazoo County business solely or primarily to qualify as a Kalamazoo County business under this Resolution, and any other material factors.

CERTIFICATION

If you qualify as a Kalamazoo County bidder and wish to be considered for the local preference provisions as provided above please certify that fact by providing the information requested below and attesting to its accuracy.

Firm Name: _____

Street Address of Business: _____

City, State, and Zip Code: _____

Number of employees working in Kalamazoo County: _____

Name the city or township to which business real and/or personal property taxes are paid or provide non-profit status: _____

The above information is accurate:

Signature: _____ Date: _____

Title: _____

CITY OF KALAMAZOO EX-OFFENDER POLICY CHECKLIST

As part of the City’s commitment to reducing unacceptable poverty, encouraging rehabilitation, reducing recidivism and strengthening families in Kalamazoo, the City has updated its Purchasing Policy to ensure that firms with whom the City does business share in this commitment by utilizing hiring practices that do not unfairly deny people with arrest and conviction records gainful employment. *(Important: This requirement also extends to any subcontractors the bidder intends to use to fulfill the contract for goods or services being sought from the City.)*

Part I: Proof that the bidder does not inquire about an individual’s past arrest or criminal history on the bidders employment application form

- Attach a copy of the current application for employment being used by the bidder

Part II: Certification that the bidder does not use an individual’s past arrest or criminal history to unlawfully discriminate against them by checking *one or more* of the following:

- That pursuant to federal or state law bidder is precluded from hiring persons with certain criminal records from holding particular positions or engaging in certain occupations by providing a cite to the applicable statute or regulation; if checking this box, provide a citation to the applicable statute or rule upon which the bidder is relying: _____
- That bidder conducts criminal history background checks only as necessary, and only after making a conditional offer of employment; that any withdrawal of an offer of employment to an individual because of a past criminal history is job-related and consistent with business necessity after the individual has been provided an individualized assessment opportunity to review and challenge or supplement the history of past criminal conduct being relied upon by the bidder;
- That the use by bidder of criminal history background checks complies with the U.S. Equal Employment Opportunity Commission’s Enforcement Guidance on the Consideration of Arrest and Conviction Records in Employment Decisions and that the bidder has not had a determination rendered against it in past 7 years that it discriminated against a person through the use of an individual’s arrest or criminal history

I CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE.

Date

Signature

Printed Name

Position

NOTE: This blanket addendum is for informational purposes only and does not need to be acknowledged by bidders in their submission.

COVID-19 ADDENDUM #2
January 1, 2022

TO: ALL Prospective Bidders
PROJECT: ALL Upcoming Projects

The purpose of this addendum is to clarify and/or modify the sealed bid delivery and bid opening process for all upcoming projects. All work affected is subject to all applicable terms and conditions of the Bidding and Contract Documents.

1. UPDATE TO SEALED BID DELIVERY AND BID OPENING POLICY:

Effective immediately and continuing until further notice, the City of Kalamazoo will return to IN-PERSON bid openings following City Hall guidelines, including Mask Mandate.

BIDS MUST BE RECEIVED BEFORE THE DUE DATE AND TIME – LATE BIDS WILL NOT BE CONSIDERED.

Bidders can submit sealed bids in one of the following ways:

- **Mail your bid**, to be received before the bid due date and time indicated in the bid document, to the City of Kalamazoo at the following address:

City of Kalamazoo
Purchasing Division
241 West South Street
Kalamazoo, MI 49007

- **Deliver your bid to the Treasurer’s Office Payment Drop Box** located in the northwest corner of City Hall before the bid due date and time indicated in the bid document.
- **Deliver your bid to City Hall In Person before** the bid due date and time indicated in the bid document.

All bids shall be tightly sealed in an envelope plainly marked SEALED BID and identified by project name, bid opening date and time. Bids opened by mistake, due to improper identification, will be so documented and resealed. The Purchasing Division will maintain and guarantee confidentiality of the contents until the specified opening date and time. Bids submitted by fax machine or email will not be accepted.

The Purchasing Division will post bid tabulations to the City of Kalamazoo website within 24 hours after the bid opening date and time at: <https://www.kalamazoocity.org/bidopportunities>.

Questions regarding this sealed bid delivery and bid opening policy change related to the COVID-19 virus should be directed to the City of Kalamazoo at (269) 337-8020.

Sincerely,



Michelle Emig
Purchasing Division Manager

**CITY OF KALAMAZOO REQUEST FOR QUOTATIONS
Bronson Park Stage Lighting**

**Page 8
Bid Reference No: 98854-004.0**

I hereby state that all of the information I have provided is true, accurate and complete. I hereby state that I have the authority to submit this quote which will become a binding contract if accepted by the City of Kalamazoo. I hereby state that I have not communicated with nor otherwise colluded with any other bidder, nor have I made any agreement with nor offered/accepted anything of value to/from an official or employee of the City of Kalamazoo that would tend to destroy or hinder free competition.

The firm's identification information provided will be used by the City for purchase orders, payment and other contractual purposes. If the contractual relationship is with, or the payment made to, another firm please provide a complete explanation on your letterhead and attach to your bid. Please provide for accounts payable purposes:

Tax Identification Number (Federal ID): _____

Remittance Address: _____

Financial Contact Name: _____ Financial Contact Phone Number: _____

Financial Contact Email Address: _____

I hereby state that I have read, understand and agree to be bound by all terms and conditions of this proposal document.

SIGNED: _____ NAME: _____

(Type or Print)

TITLE: _____ DATE: _____

FIRM NAME: _____
(if any)

ADDRESS: _____
(Street address) (City) (State) (Zip)

PHONE: _____ FAX NUMBER: _____

EMAIL ADDRESS: _____

FOR CITY USE ONLY - DO NOT WRITE BELOW

GENERAL REQUIREMENTS AND SPECIFICATIONS

1. INTENT

It is the intent of these plans and specifications to seek bids for entering into a contract for all direction, management, labor, materials, tools and equipment necessary to perform the Bronson Park Stage Lighting project as specified herein.

2. SCOPE OF WORK

The scope of work involves electrical work for stage lighting at Bronson Park as stated below:

- Match current quantity (33) and locations
- Par can lights, must be RGBAW+UV LED
- Static display
- User friendly/easy with programmable presets on new controller
- Power, keep to what is already available and in use by current system
- Reuse the current wiring and conduit, if possible

3. PRICING

Bid prices shall be firm for the duration of this contract and for any negotiated renewal thereof and shall constitute the only charge to the City.

4. SUPERVISION

The Department will designate an individual who will have general authority over the service provided and the authority to reject any items which do not conform to the contract requirements.

5. INVOICING AND PAYMENTS

All original invoice(s) will be sent to the Finance Division, 241 W. South Street, Kalamazoo, MI 49007 or via email at apinvoice@kalamazoo.org. Faxed copy of invoice(s) will not be accepted, unless it is to replace an original invoice that was lost in the mail. The Finance Division processes payments after receipt of an original invoice from the Contractor and approval by the department.

The City of Kalamazoo policy is to pay invoice(s) within 30 days from the receipt of the original invoice, if the services or supplies are satisfactory and the proper paperwork and procedures have been followed. In order to guarantee payment to the vendor on a timely basis, the vendor needs to receive a purchase order number before supplying the City of Kalamazoo with goods or services. All original, and copies of original invoice(s), will clearly state which purchase order they are being billed against.

The City of Kalamazoo is a government municipality and therefore is tax exempt from all sales tax. Our tax-exempt number is 38-6004627.

The vendor is responsible for supplying the Finance Division with a copy of their W-9 if they are providing a service to the City of Kalamazoo.

6. QUESTIONS

Bidders shall address questions regarding the specifications to Ashton Anthony, Deputy Director-CPRP at anthonya@kalamazoo.org or (269) 337-8295. (This does not relieve the requirements of Page 1, Item 3.) Questions regarding terms, conditions and other related bid requirements may be addressed to Monica Johnson, Buyer at johnsonm2@kalamazoo.org or (269) 337-8603.

CITY OF KALAMAZOO
INDEMNITY AND INSURANCE REQUIREMENTS

Contractor, or any of their subcontractors, shall not commence work under this contract until they have obtained the insurance required under this paragraph, and shall keep such insurance in force during the entire life of this contract. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan and acceptable to the City of Kalamazoo within ten (10) days of the Notice of Award. The requirements below should not be interpreted to limit the liability of the Contractor. All deductibles and SIR's are the responsibility of the Contractor.

The Contractor shall procure and maintain the following insurance coverage:

Workers' Compensation Insurance including Employers' Liability Coverage, in accordance with all applicable statutes of the State of Michigan.

Commercial General Liability Insurance on an "Occurrence Basis" with limits of liability not less than \$1,000,000 per occurrence and aggregate. Coverage shall include the following extensions: (A) Contractual Liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent, if not already included and (E) XCU coverage if the nature of the contract requires XC or U work.

Automobile Liability including Michigan No-Fault Coverages, with limits of liability not less than \$1,000,000 per occurrence, combined single limit for Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.

Additional Insured: Commercial General Liability and Automobile Liability, as described above, shall include an endorsement stating that the following shall be *Additional Insureds*: The City of Kalamazoo, all elected and appointed officials, all employees and volunteers, all boards, commissions, and/or authorities and board members, including employees and volunteers thereof. It is understood and agreed that by naming the City of Kalamazoo as additional insured, coverage afforded is considered to be primary and any other insurance the City of Kalamazoo may have in effect shall be considered secondary and/or excess.

To the fullest extent permitted by law the Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the City of Kalamazoo, its elected and appointed officials, employees, agents and volunteers, and others working on behalf of the City of Kalamazoo against any and all claims, demands, suits, or loss, including all costs connected therewith, and for any damages which may be asserted, claimed, or recovered against or from the City of Kalamazoo, by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, which arises out of, or is in any way connected or associated with this contract.

Cancellation Notice: All policies, as described above, shall include an endorsement stating that it is understood and agreed that thirty (30) days, or ten (10) days for non-payment of premium, Advance Written Notice of Cancellation, Non-Renewal, Reduction, and/or Material Change shall be sent to: City of Kalamazoo, Purchasing Division, 241 W. South Street, Kalamazoo, MI 49007.

Proof of Insurance Coverage: The Contractor shall provide the City of Kalamazoo at the time that the contracts are returned by him/her for execution, or within 10 days of Notice of Award, whichever is earlier, a Certificate of Insurance as well as the required endorsements. In lieu of required endorsements, if applicable, a copy of the policy sections where coverage is provided for additional insured and cancellation notice would be acceptable. Copies or certified copies of all policies mentioned above shall be furnished, if so requested.

CITY OF KALAMAZOO
INDEMNITY AND INSURANCE REQUIREMENTS
Continued

If any of the above coverages expire during the term of this contract, the Contractor shall deliver renewal certificates and/or policies to City of Kalamazoo at least ten (10) days prior to the expiration date.

Scope of Coverage: The above requirements and conditions shall not be interpreted to limit the liability of the Contractor under this Contract, but shall be interpreted to provide the greatest benefit to the City and its officers and employees. The above listed coverages shall protect the Contractor, its employees, agents, representatives and subcontractors against claims arising out of the work performed. It shall be the Contractor's responsibility to provide similar insurance for each subcontractor or to provide evidence that each subcontractor carries such insurance in like amount prior to the time such subcontractor proceeds to perform under the contract.

TERMS AND CONDITIONS

1. AWARD

This purchase will be awarded to the responsible bidder whose quote will be most advantageous to the City, price and other factors considered. The City reserves the right to accept or reject any or all quotes and waive informalities and minor irregularities for quotes received. Notification of award will be in writing by a City of Kalamazoo purchase order.

2. COMPLETE CONTRACT

This request for quote document together with its addenda, amendments, attachments and modifications, when referenced by an executed purchase order, becomes the complete contract between the parties hereto, and no verbal or oral promises or representations made in conjunction with the negotiation of this contract shall be binding on either party.

3. TAXES

The City of Kalamazoo is exempt from all federal excise tax and state sales and use taxes. However, depending upon the situation, the vendor may not be exempt from said taxes and the City of Kalamazoo is making no representation as to any such exemption.

4. CHANGES AND/OR CONTRACT MODIFICATIONS

Changes of any nature after award which reflect an increase or decrease in requirements or costs shall not be permitted without an amendment to the purchase order.

5. LAWS, ORDINANCES AND REGULATIONS

The Contractor shall keep him/herself fully informed of all local, state and federal laws, ordinances and regulations in any manner affecting those engaged or employed in the work and the equipment used. Contractor and/or employees shall, at all times, serve and comply with such laws, ordinances and regulations.

6. HOLD HARMLESS

If the acts or omissions of the Contractor or its employees, agents or officers, cause injury to person or property, the Contractor shall defend, indemnify and save harmless the City of Kalamazoo, its agents, officials, and employees against all claims, judgments, losses, damages, demands, and payments of any kind of persons or property to the extent occasioned from any claim or demand arising therefrom.

7. DEFAULT

The City may at any time, by written notice to the Contractor, terminate this contract and the Contractor's right to proceed with the work, for just cause, which shall include, but is not limited to the following:

- A. Failure to make delivery of the supplies, or to perform the services within the time specified herein, or any extension thereof.

DEFAULT (cont.)

- B. The unauthorized substitution of articles for those bid and specified.
- C. Failure to make progress if such failure endangers performance of the contract in accordance with its terms.
- D. Failure to perform in compliance with any provision of the contract.
- E. Standard of Performance - Vendor guarantees the performance of the commodities, goods or services rendered herein in accordance with the accepted standards of the industry or industries concerned herein, except that if this specification calls for higher standards, then such higher standards shall be provided.

Upon notice by the City of Vendor's failure to comply with such standards or to otherwise be in default of this contract in any manner following the Notice to Proceed, Contractor shall immediately remedy said defective performance in a manner acceptable to the City. Should Contractor fail to immediately correct said defective performance, said failure shall be considered a breach of this contract and grounds for termination of the same by the City.

In the event of any breach of this contract by Contractor, Contractor shall pay any cost to the City caused by said breach including but not limited to the replacement cost of such goods or services with another Contractor.

The City reserves the right to withhold any or all payments until any defects in performance have been satisfactorily corrected.

In the event the Contractor is in breach of this contract in any manner, and such breach has not been satisfactorily corrected, the City may bar the Contractor from being awarded any future City contracts.

- G. All remedies available to the City herein are cumulative and the election of one remedy by the City shall not be a waiver of any other remedy available to the City.

8. CONTRACT PERIOD, EXTENSIONS, CANCELLATION

- A. The contract shall be in effect for the term stated in the specifications.
- B. The City may opt to extend this contract upon mutual agreement of both parties. The number of extensions shall be limited to that stated in the specifications.
- C. The City may, from time to time, find it necessary to continue this contract on a month-to-month basis only, not to exceed a six (6) month period. Such month-to-month extended periods shall be by mutual agreement of both parties, with all provisions of the original contract or any extension thereof remaining in full force and effect.
- D. All contracts, extensions and cost increases are subject to availability of funds and the approval of the City Commission (if required).

CONTRACT PERIOD, EXTENSIONS, CANCELLATION (*cont.*)

- E. Notwithstanding other provisions of this contract, the City reserves the right to cancel the contract due to non-appropriation of funds by the City with thirty (30) days written notice.
- F. Notwithstanding other provisions of this contract, either party may terminate the contract (or any extension thereof) without cause at the end of any twelve (12) month term by giving written notice of such intent at least 60 days prior to the end of said twelve (12) month term.
- G. All notices are in effect commencing with the date of mailing. Written notices may be delivered in person or sent by First Class mail; faxed or emailed to the last known address.
- H. If cancellation is for default of contract due to non-performance, the contract may be canceled at any time (see Item 8, DEFAULT).

9. INDEPENDENT CONTRACTOR

At all times, the Contractor, any of his/her sub-contractors and their subsequent employees shall be considered independent contractors and not as City employees. The Contractor shall exercise all supervisory control and general control over all workers' duties, payment of wages to Contractor's employees and the right to hire, fire and discipline their employees and workers. As an independent Contractor, payment under this contract shall not be subject to any withholding for tax, social security or other purposes, nor shall the Contractor or his/her employees be entitled to sick leave, pension benefit, vacation, medical benefits, life insurance or workers' unemployment compensation for the like.

APPENDIX A
NON-DISCRIMINATION CLAUSE FOR ALL CITY OF KALAMAZOO CONTRACTS

The Contractor agrees to comply with the Federal Civil Rights Act of 1964 as amended; the Federal Civil Rights Act of 1991 as amended; the Americans With Disabilities Act of 1990 as amended; the Elliott-Larson Civil Rights Act, Act No. 453, Public Act of 1976 as amended; the Michigan Handicappers Civil Rights Act, Act No. 220, Public Act of 1976 as amended, City Ordinance 1856 and all other applicable Federal and State laws. The Contractor agrees as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, sex, age, height, weight, marital status, physical or mental disability, family status, sexual orientation or gender identity that is unrelated to the individual's ability to perform the duties of the particular job or position. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment advertising, layoff or termination; rates of pay or other forms of compensations; and selection for training, including apprenticeship.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, age, height, weight, marital status, physical or mental disability family status, sexual orientation or gender identity that is unrelated to the individuals ability to perform the duties of the particular job or position.
3. If requested by the City, the Contractor shall furnish information regarding practices, policies and programs and employment statistics for the Contractor and subcontractors. The Contractor and subcontractors shall permit access to all books, records and accounts regarding employment practices by agents and representatives of the City duly charged with investigative duties to assure compliance with this clause.
4. Breach of the covenants herein may be regarded as a material breach of the contract or purchasing agreement as provided in the Elliott-Larsen Civil Rights Act and City Ordinance 1856.
5. The Contractor will include or incorporate by reference the provisions of the foregoing paragraphs 1 through 4 in every subcontract or purchase order unless exempted by the rules, regulations or orders of the Michigan Civil Rights Commission* and will provide in every subcontract or purchase order that said provision will be binding upon each subcontractor or seller.
6. The Contractor will not preclude a person with a criminal conviction from being considered for employment unless otherwise precluded by federal or state law. (for contracts over \$25,000)

The Elliott-Larson Civil Rights Act, Sec. 202 of Act. No. 453 of 1976 reads in part as follows:

Sec. 202. (1) An employer shall not:

- (a) Fail or refuse to hire, or recruit, or discharge or otherwise discriminate against an individual with respect to employment, compensation, or a term condition or privilege of employment because of religion, race, color, national origin, age, sex, height, weight or marital status.
- (b) Limit, segregate or classify an employee or applicant for employment in a way which deprives or tends to deprive the employee or applicant of an employment opportunity or otherwise adversely affects the status of an employee or applicant because of religion, race, color, national origin, age, sex, height, weight or marital status.
- (c) Segregate, classify or otherwise discriminate against a person on the basis of sex with respect to a term, condition or privilege of employment, including a benefit plan or system.

* Except for contracts entered into with parties employing less than three employees.



Attachment A

**Bronson Park Stage Lighting
Kalamazoo Rotary Binder**

Bid Reference #: 98854-004.0

KALAMAZOO ROTARY STAGE

200 SOUTH ROSE STREET

KALAMAZOO

MICHIGAN

PROJECT: 98071

ABBREVIATIONS

AB	Anchor Bolt	FRC	Fiber Reinforced Concrete	QT	Quarry Tile
ABI	Additive Bid Item	FRFRG	Fireproofing	R	Radius, Riser
AD	Area Drain	FT	Foot, Feet	RA	Return Air
AD	Area Drain	FTS	Footing	RC	Roof Connector
AF	Above-Finished Floor	FUR	Furring	RD	Roof Drain
ALUM	Aluminum	G&B	Galv Bar, Grade Beam	RH	Right Hand
AP	Access Doors	G&CFT	Galvz Structural Clay Facing Tile	RO	Rough Opening
APC	Acoustical Panel Ceiling	GL	Grill Opening	RS	Roof Sump
APPROX	Approximate	G.O.	Gauge	RE	Realign
ARCH	Architectural	GALV	Galvanized	REB	Receiving
ASPH	Asphalt	GFCI	Ground Fault Circuit Interrupter	REIN	Reinforced
ATC	Acoustical Tile Ceiling	GL	Grill	RENF	Refrigerator
BV	Bottom of	GND	Ground	REQD	Required
BL	Building Line	GR	Grate	RM	Room
BP	Base Plate	GRTG	Grating	RMB	Rubber Wall Base
BS	Both Sides	GYP. BD.	Gypsum Board	RSD	Radiused
BD	Board	HC	Hollow Core	RFT	Rubber Floor Tile
BLDG	Building	HCBID	Hollow Core Wood	S	South
BLKGD	Blocking	HDFB	High Density Particleboard	SA	Supply Air
BOTT	Bottle	HM	Hollow Metal	SAB	Sound Attenuation Blankets
BR	Build Up Roofing	HP	High Point	SC	Solid Core
CB	Catch Basin	HPDL	High Pressure Decorative Laminate	SCID	Solid Core Wood
CPT	Carpet	HR	Hour	SCONC	Sealed Concrete
CPTT	Carpet to Centerline	HT	Height	SLV	Short Leg Vertical
CH	Chimney	HID	Hardwire	SECT	Section
CJ	Control Joint	ID.	Inside Diameter	SERRECP	Service Receptor
CL	Center Line	IE	Invert Elevation	SCH	Schedule
CO	Concrete Masonry Unit	INCL	Including, Inclusive	SH	Sheet
CO	Cased Opening or Clean Out	INSUL	Insulation	SH	Shelf
CAB	Cabinet	INT	Interior	SK	Service Sink
CLGK	Chalking	IPS	Interior Paint System	SPEC	Specification
CLG	Ceiling	IG	Insulating Glass	SP	Spur
CEM	Cement	JAN	Janitor	STL	Steel
CHT	Ceramic Mosaic Tile	JT	Joint	SS	Stainless Steel
CT	Ceramic Tile	LH	Left Hand	STD	Standard
CHKDPL	Checked Plate	LLH	Long Leg Horizontal	STDW	Standard Weight (steel pipe)
CLR	Clear	LLV	Long Leg Vertical	SHUR	Shower
COL	Column	LO	Lower Opening	SM	Solid Surfacing Material
COMP	Compressible	LF	Lighting Fixture	STR	Structural
CONC	Concrete	LAD	Ladder	SUP	Support
CONN	Connect, Connection	LAM	Laminated	SUSP	Suspended, Suspension
CONST	Construction	LAV	Lavatory	SYM	Symmetrical
CONJUT	Construction Joint	LKR	Locker	T	Top of
CONT	Continuous	LGT	Light	TR	True Bearing
CONTR	Contractor	LI	Light	TG	Tempered Glass
CTK	Counter	LT	Light	THRESH	Threshold
CTR	Counter	LT	Light	TLT	Toilet
DF	Drinking Fountain	PH	Manhole	T&G	Tongue and Groove
DO	Door Opening	MI	Miscellaneous Metals	TYP	Typical
DS	Down Spout	MO	Masonry	T/C, T/C	Top of Concrete, Curb
DT	Drain Tile	MT	Marble	T/F, T/F	Top of Footing
DTL	Detail	M45	Masonry	T/S, T/S	Top of Steel
DIA	Diameter	MATL	Material	T/W, T/W	Top of Wall
DIFF	Diffuser	MAX	Maximum	T/W, T/W	Top of Masonry
DN	Down	MCC	Multi-Color Coatings	T/P, T/P	Top of Pavement, Top of Parapet
DR	Door	MECH	Mechanical	T/P, T/P	Top of Pavement, Top of Parapet
DEB	Double Extra Strong (steel pipe)	MC	Medicine Cabinet		
DUR	Draiser	MEWP	Membrane Waterproofing		
DUG	Drawing	MEZ	Mezzanine		
E	East	MFR	Manufacturer		
EA	Each	MN	Manufacturer		
EPB	Exterior Insulation and Finish System	MIC	Microphone Jack		
EL	Elevation	MIL	Milium		
ELECT	Electrical	MTD	Mounted		
ELEV	Elevator or Elevation	MDO	Medical Density Overlay		
EPS	Exterior Paint System	NIC	Not in Contract		
ENCL	Enclosure	N	North		
EQ	Equal	NNH	Non Slip Non Stain Grou		
EQUIP	Equipment	NTS	Not to Scale		
EXGR	Existing Grade	N	North		
EX	Existing	NOM	Nominal		
EW	Each Way	OC, O.C.	On Center		
EW	Each Way	OD	Outside Diameter		
EW	Each Way	OPND	Opening Overhead Door		
EW	Each Way	OSGL	Opaque Glass		
EW	Each Way	OPNG	Opening		
EW	Each Way	OPP	Opposite		
EW	Each Way	OH	Opposite Handed		
EW	Each Way	PB	Particleboard		
EW	Each Way	PART	Partition		
EW	Each Way	PC	Precast		
EW	Each Way	PCS	Planes		
EW	Each Way	PERM	Permanant		
EW	Each Way	PL	Plate		
EW	Each Way	PLAM	Plastic Laminate		
EW	Each Way	PLAS	Plaster		
EW	Each Way	PLBG	Plumbing		
EW	Each Way	FLYWD	Flywood		

SYMBOL LEGEND

	DETAIL NO. DRAWING TITLE SCALE: SHEET NO.	DRAWING TITLE
	DETAIL NO. SHEET NO.	BUILDING SECTION
	DETAIL NO. SHEET NO.	WALL SECTION OR SECTION DETAIL
	DETAIL NO. SHEET NO.	DETAIL
	DETAIL NO. SHEET NO.	EXTERIOR ELEVATION
	DETAIL NO. SHEET NO.	INTERIOR ELEVATION
		PARTITION TYPE - SEE SHEET A0-01
		ROOM NUMBER
		DOOR NUMBER
		EQUIPMENT REFERENCE
		ELEVATION TARGET
		DIMENSIONAL WORKING POINT
		CORNER GUARD - SEE SHEET A1-02
		RECESSED FIRE EXTINGUISHER CABINET
		WALL MOUNTED FIRE EXTINGUISHER
		WINDOW SYMBOL (REFER TO XX-XX)
		REVISION TAG
		OWNER FURNISHED/CONTRACTOR INSTALLED
		OWNER FURNISHED/OWNER INSTALLED
		CONTRACTOR FURNISHED/CONTRACTOR INSTALLED

OWNER

OWNER
Kalamazoo Rotary Club
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Kalamazoo, Michigan 49005
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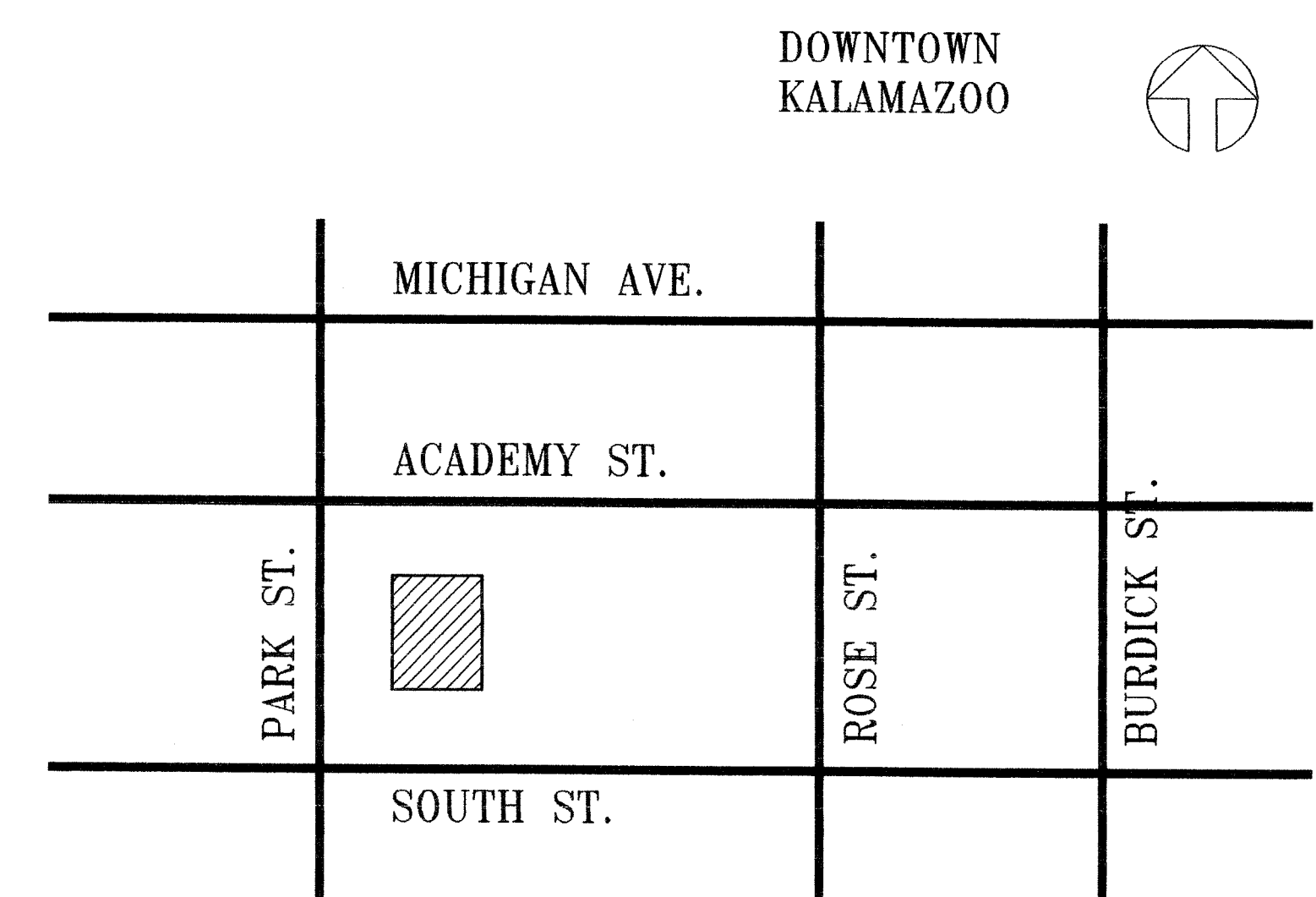
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(616) 531-8637 FAX

INDEX OF DRAWINGS

SHEET #	SHEET NAME	LATEST REVISION	DATE
T-1	TITLE SHEET	ISSUED FOR POST-BID ADDENDUM	5/7/99
CIVIL			
LI-1	SITE GRADING PLAN	ISSUED FOR POST-BID ADDENDUM	5/7/99
LI-2	PARK PLAN	ISSUED FOR POST-BID ADDENDUM	5/7/99
ARCHITECTURAL			
A0-1	PROJECT PHASING/GENERAL INFO.	ISSUED FOR POST-BID ADDENDUM	5/7/99
A1-1	FLOOR PLAN	ISSUED FOR POST-BID ADDENDUM	5/7/99
A1-2	FLOOR PLAN ENLARGEMENTS	ISSUED FOR POST-BID ADDENDUM	5/7/99
A2-1	REFLECTED CEILING PLAN	ISSUED FOR POST-BID ADDENDUM	5/7/99
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A5-1	BUILDING SECTIONS	ISSUED FOR POST-BID ADDENDUM	5/7/99
A6-1	WALL SECTIONS	ISSUED FOR POST-BID ADDENDUM	5/7/99
A6-2	WALL SECTIONS	ISSUED FOR POST-BID ADDENDUM	5/7/99
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S1-1	FOUNDATION PLAN	ISSUED FOR POST-BID ADDENDUM	5/7/99
S2-1	FRAMING PLAN	ISSUED FOR POST-BID ADDENDUM	5/7/99
S3-1	DETAILS	ISSUED FOR POST-BID ADDENDUM	5/7/99
S3-2	DETAILS	ISSUED FOR POST-BID ADDENDUM	5/7/99
S3-3	DETAILS	ISSUED FOR POST-BID ADDENDUM	5/7/99
ELECTRICAL			
E1-01	POWER PLAN	ISSUED FOR POST-BID ADDENDUM	5/7/99
E1-02	LIGHTING PLAN	ISSUED FOR POST-BID ADDENDUM	5/7/99
MECHANICAL			
P1-01	WATER AND DRAINAGE PLAN	ISSUED FOR POST-BID ADDENDUM	5/7/99
FOR REFERENCE ONLY			
IRRIGATION PLAN	FOR REFERENCE ONLY	5/7/99	
SITE SURVEY	FOR REFERENCE ONLY	5/7/99	

VICINITY MAP



KALAMAZOO ROTARY STAGE
 Kalamazoo, Michigan
 98071

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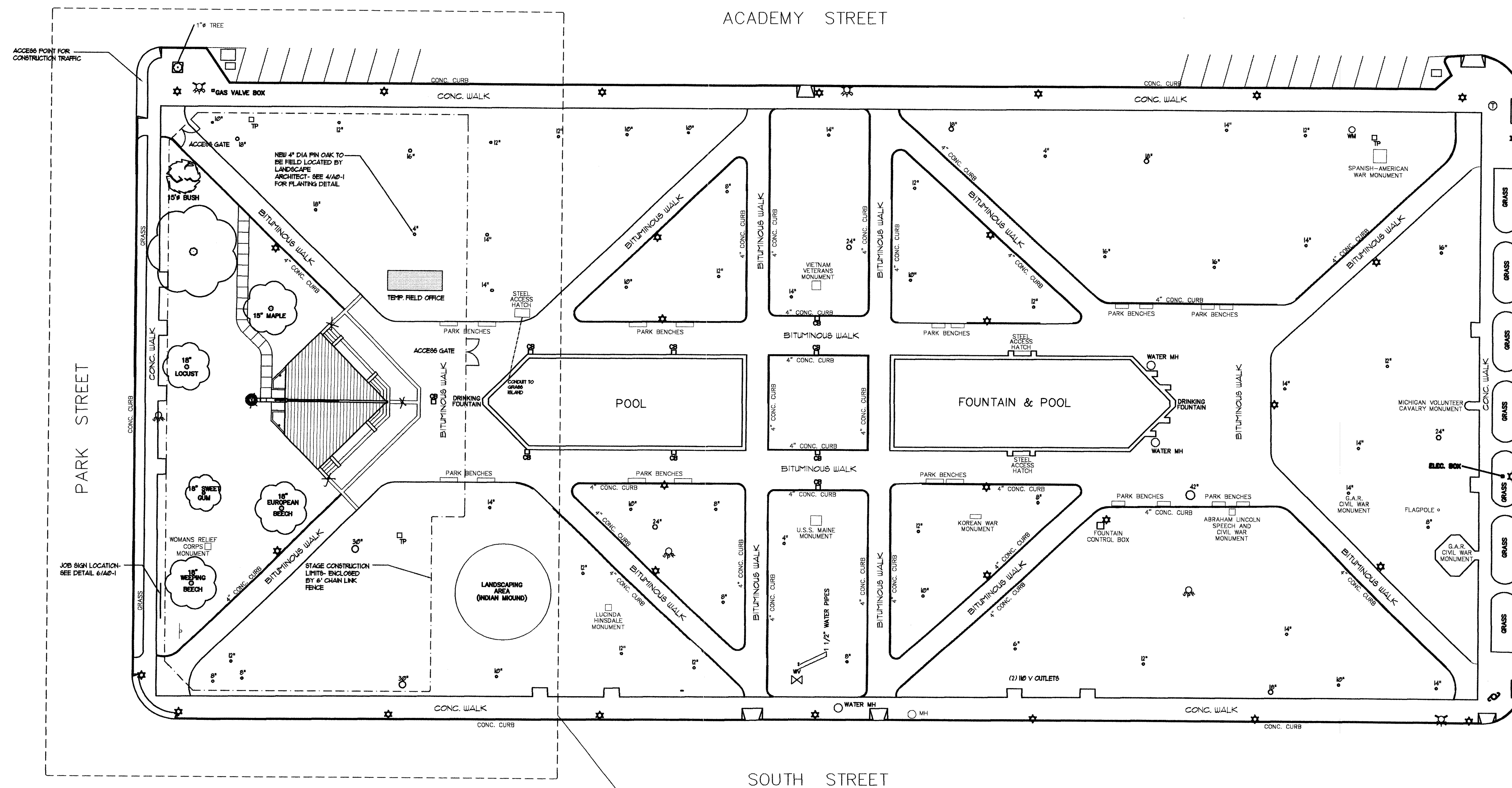
ENTIRE SET REISSUED IN
 POST-BID ADDENDUM #1

ALL ITEMS CHANGED AS A RESULT OF COST REDUCTIONS AFTER ADDENDUM #2 ARE SHOWN BUBBLED

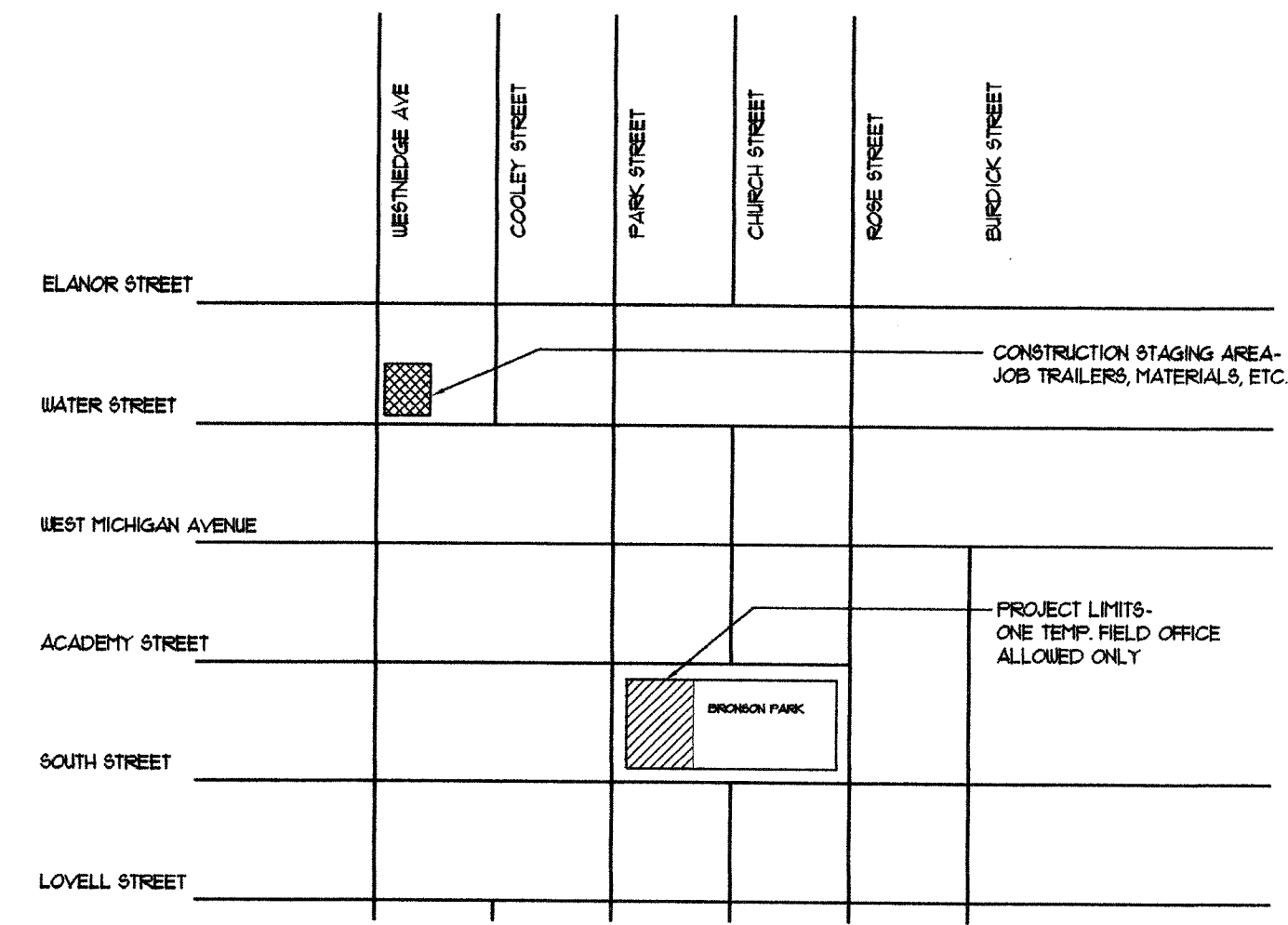
NOTE:
 ALL 3" LIMESTONE PANELS
 AND COPING HAVE BEEN
 CHANGED TO 3 1/2" CAST
 STONE MEMBERS. EXTERIOR
 FACES TO REMAIN IN SAME
 LOCATION± ADDITIONAL 1/2"
 THICKNESS TO EXTEND INTO
 AIR CAVITY

TITLE SHEET

T-1



1 SITE PLAN
SCALE: 1" = 30'



2 STAGING AREA LOCATION
SCALE: N.T.S.

ROSE STREET



LEGEND

- FIRE HYDRANT
- WATER METER
- WATER VALVE
- SPRINKLER HEAD
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- CATCH BASIN
- LIGHT POLE
- POWER POLE
- ELECTRICAL PANEL

NOTE:

THE CITY OF KALAMAZOO WILL BE UPGRADING ALL ELECTRICAL SERVICES TO BRONSON PARK AS WELL AS REPLACING ALL SIDEWALKS. THIS PROJECT WILL BE RUNNING CONCURRENTLY WITH THE CONSTRUCTION OF THE STAGE. CONTRACTORS ARE RESPONSIBLE FOR COORDINATING CONSTRUCTION SCHEDULES, POWER OUTAGES, USE OF STAGING AREAS, ETC. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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Bronson Park
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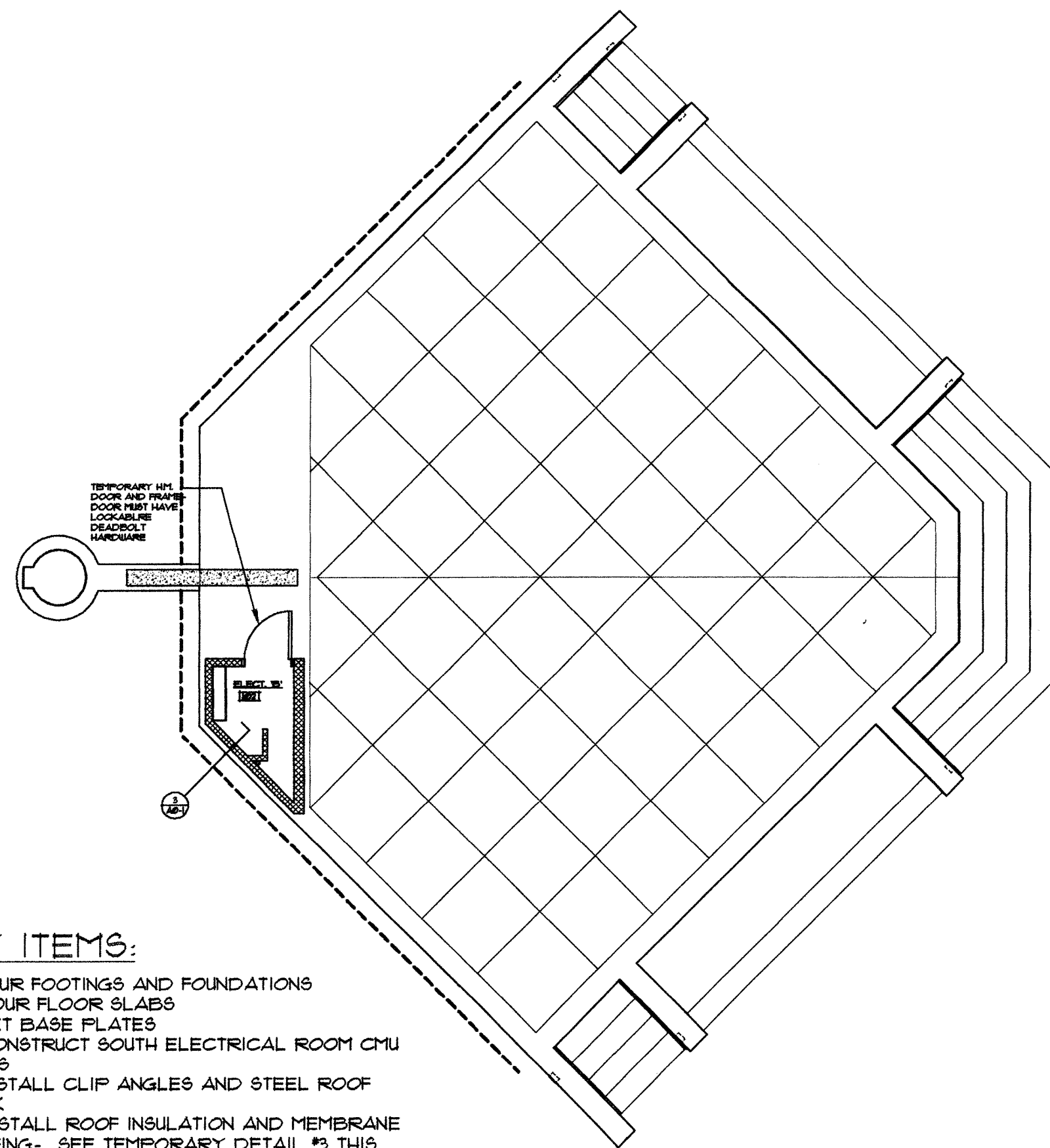
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SITE PLAN

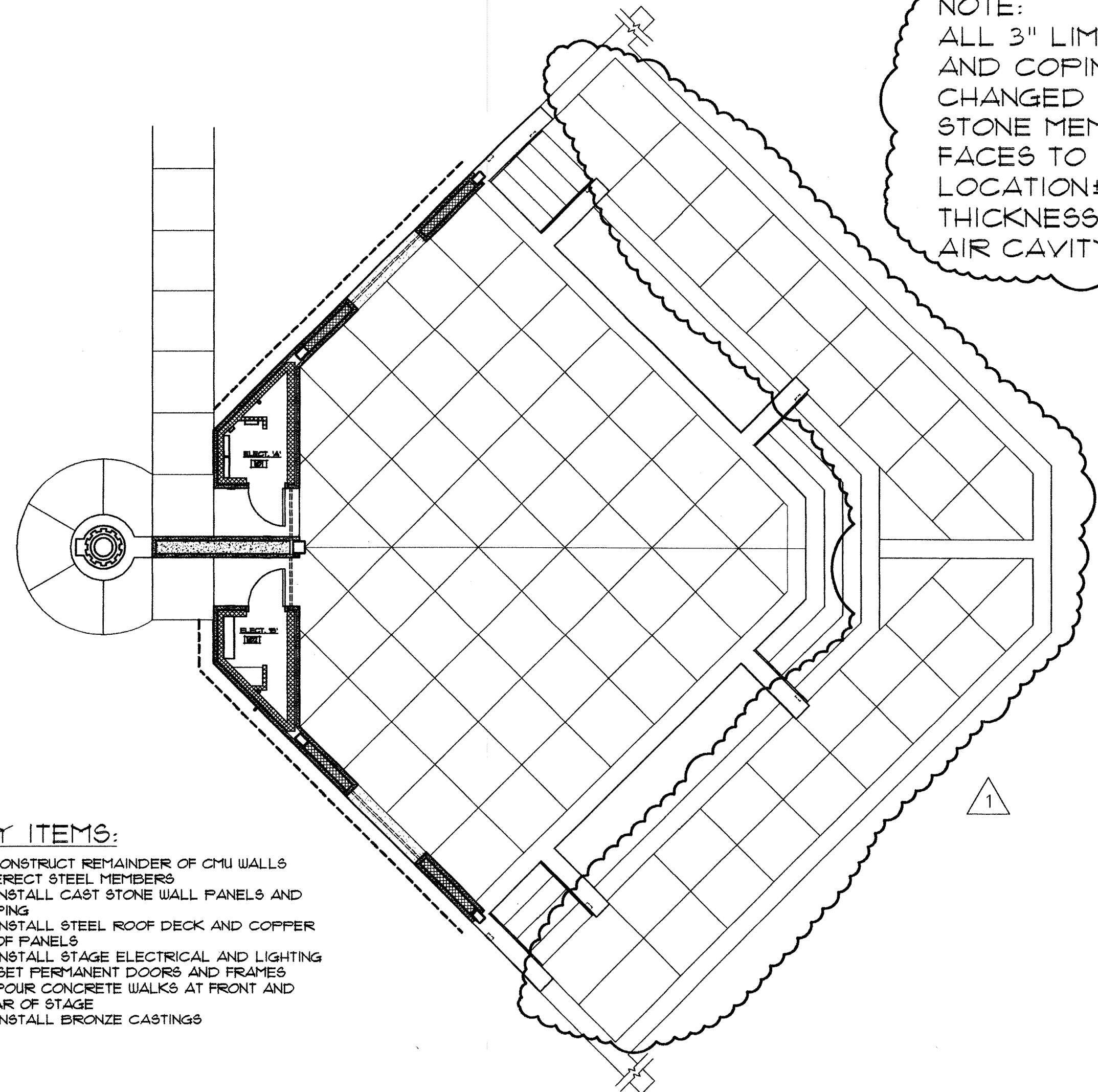
L1-1



KEY ITEMS:

1. FOUR FOOTINGS AND FOUNDATIONS
2. FOUR FLOOR SLABS
3. SET BASE PLATES
4. CONSTRUCT SOUTH ELECTRICAL ROOM CMU WALLS
5. INSTALL CLIP ANGLES AND STEEL ROOF DECK
6. INSTALL ROOF INSULATION AND MEMBRANE ROOFING- SEE TEMPORARY DETAIL #3 THIS SHEET
7. INSTALL ROOF CONDUCTOR AND TIE TO STORM SEWER- SEE FH-1
8. INSTALL TEMPORARY HM DOOR AND FRAME- TO BE LOCKABLE

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



KEY ITEMS:

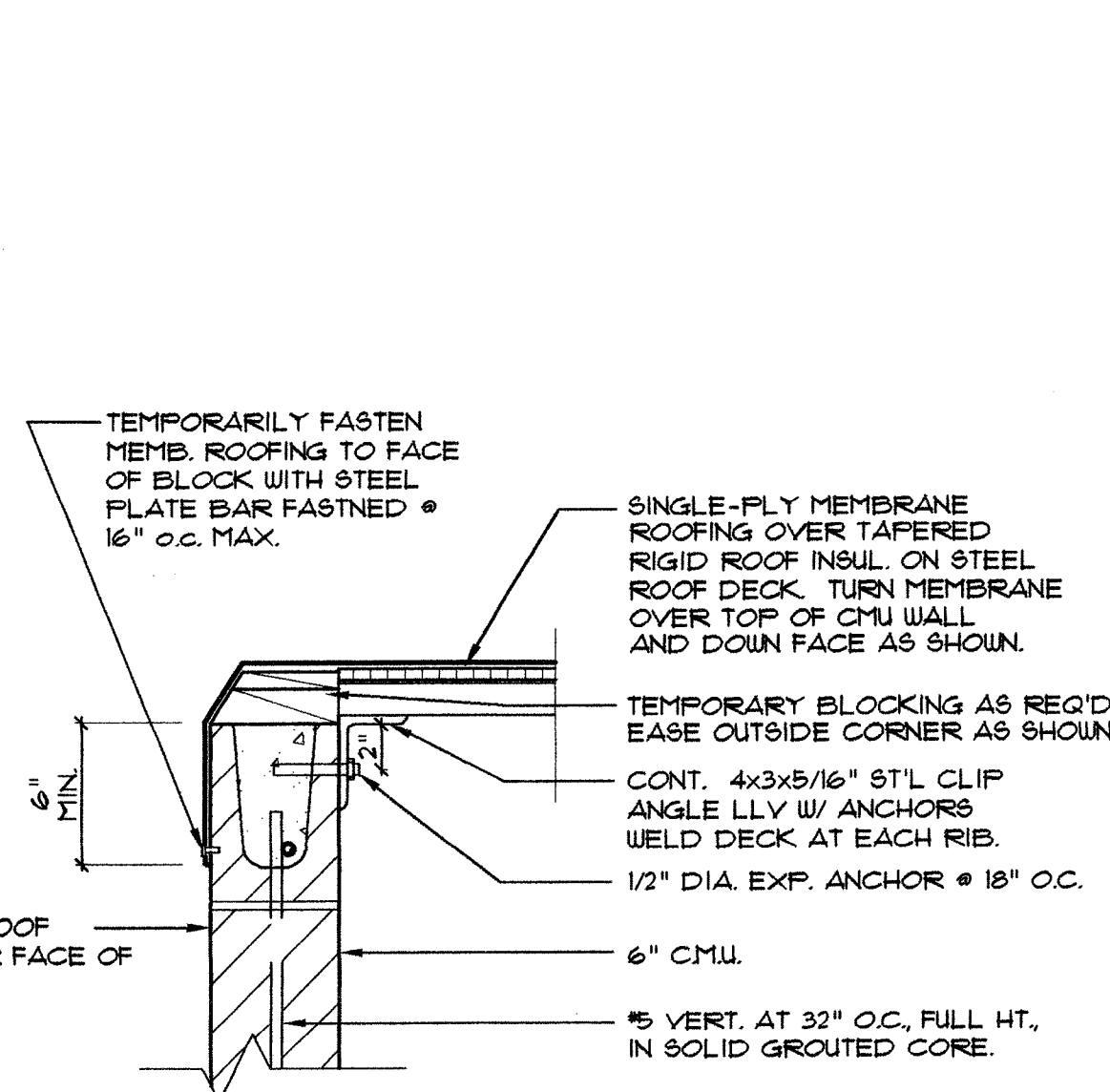
1. CONSTRUCT REMAINDER OF CMU WALLS
2. ERECT STEEL MEMBERS
3. INSTALL CAST STONE WALL PANELS AND COPING
4. INSTALL STEEL ROOF DECK AND COPPER ROOF PANELS
5. INSTALL STAGE ELECTRICAL AND LIGHTING
6. SET PERMANENT DOORS AND FRAMES
7. POUR CONCRETE WALKS AT FRONT AND REAR OF STAGE
8. INSTALL BRONZE CASTINGS

2 PHASE 2
SCALE: 1/8" = 1'-0"

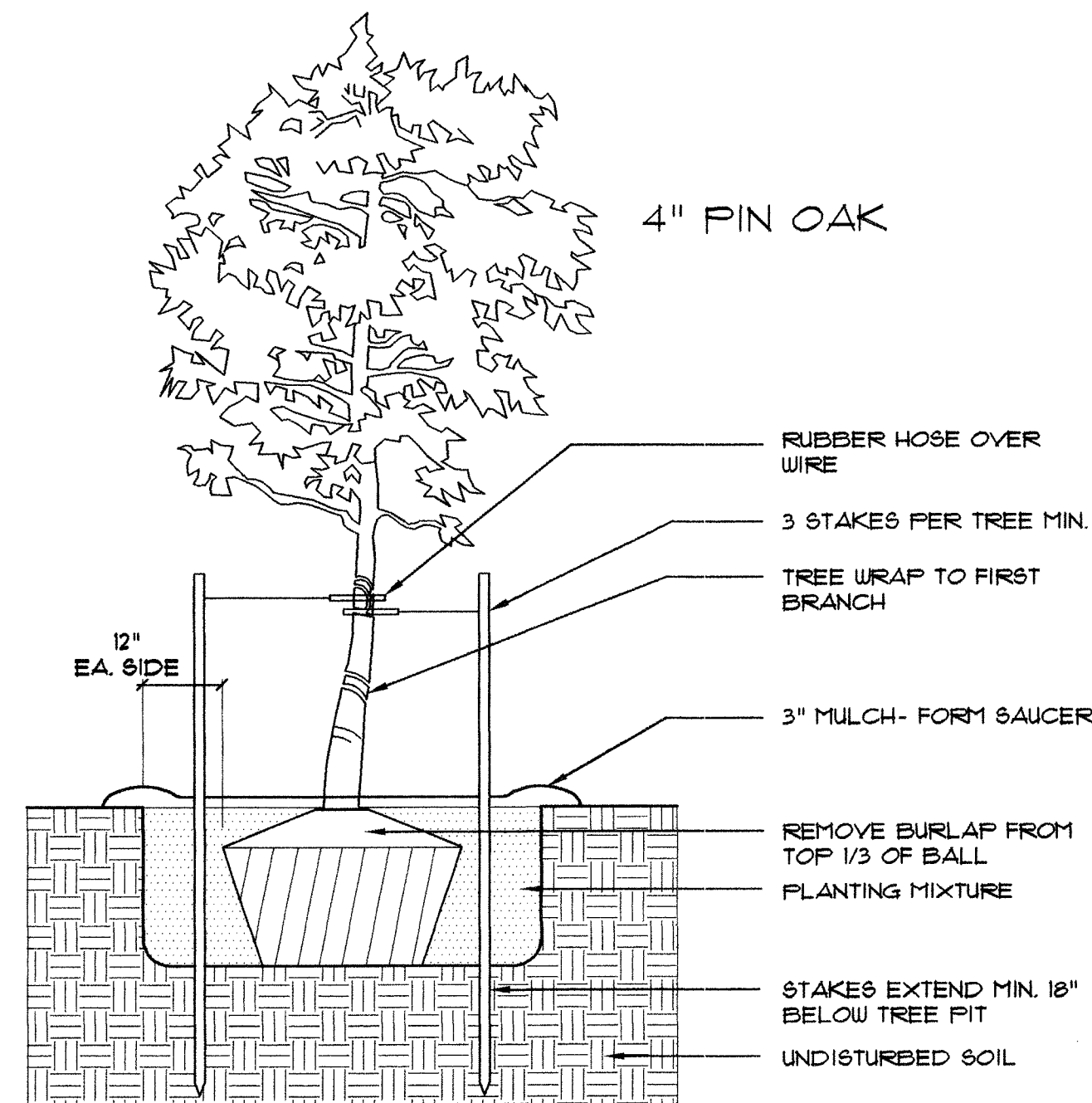
NOTE:
ALL 3" LIMESTONE PANELS AND COPING HAVE BEEN CHANGED TO 3 1/2" CAST STONE MEMBERS. EXTERIOR FACES TO REMAIN IN SAME LOCATION ± ADDITIONAL 1/2" THICKNESS TO EXTEND INTO AIR CAVITY

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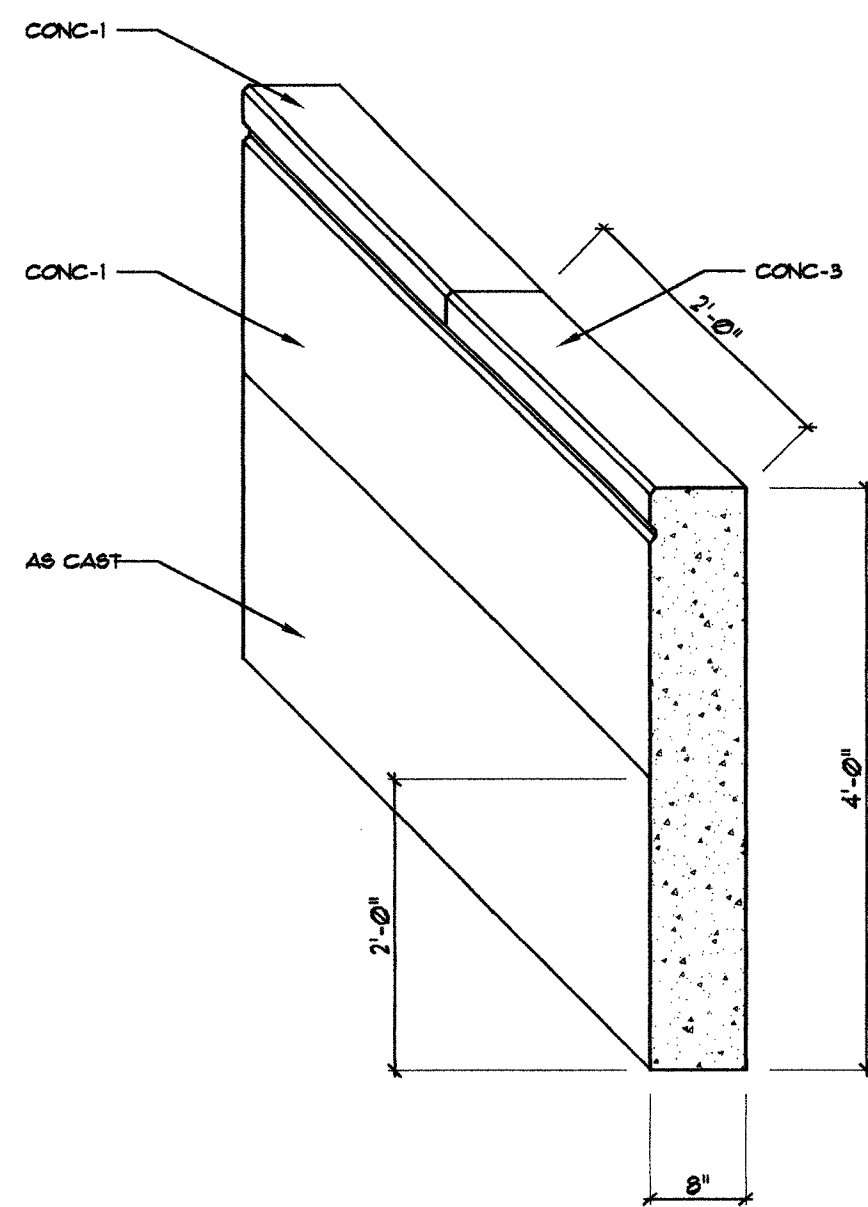
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3 TEMPORARY WALL/ROOF @ CLOSETS
Scale: 1/2" = 1'-0"

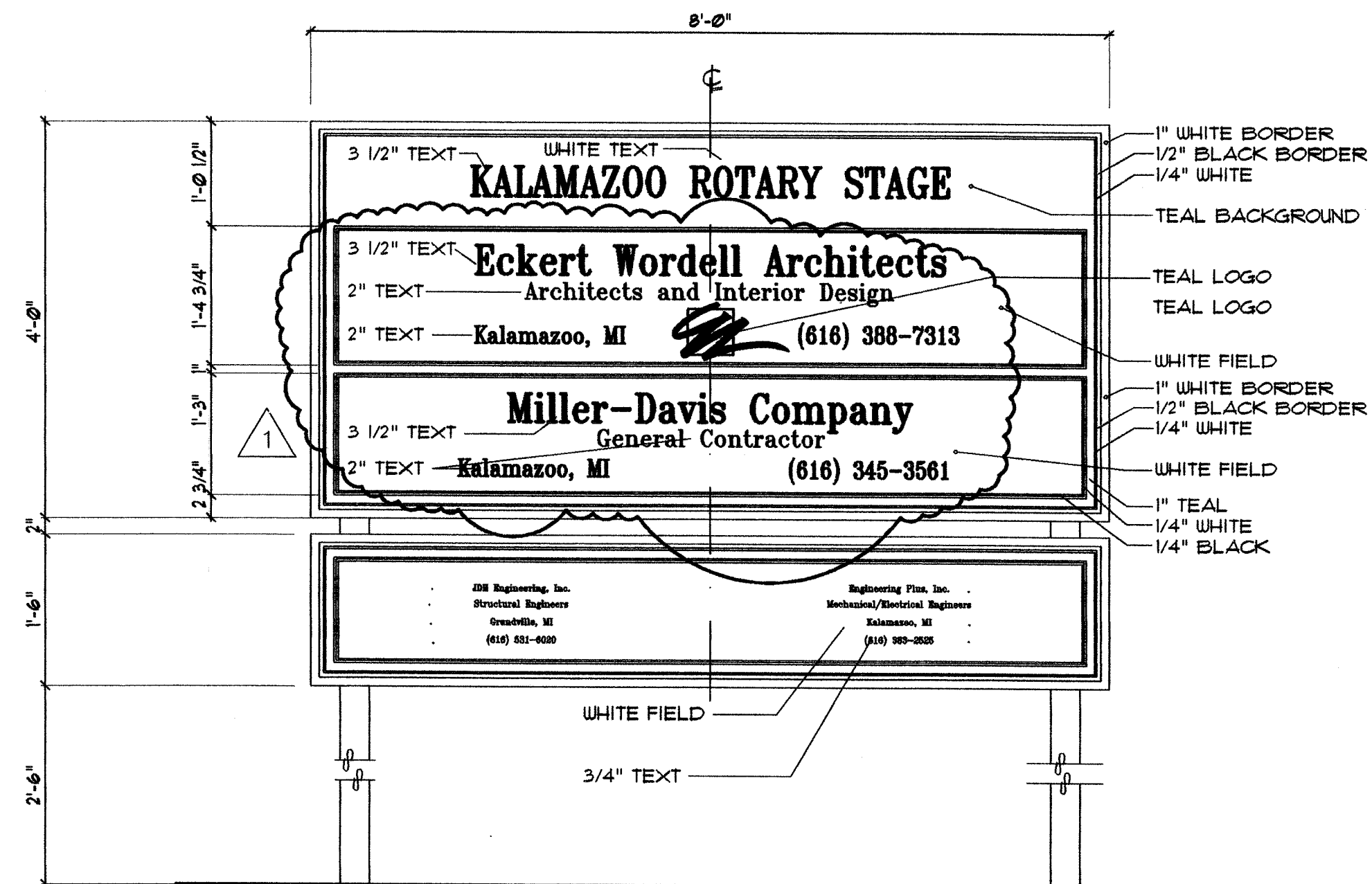


4 TREE STAKING DETAIL
Scale: N.T.S.



NOTE:
MOCK-UP PANEL TO BE 4'x4'x8"
PREPARE PANEL WITH PROCESS TO EXPOSE AGGREGATE

5 CONCRETE MOCK-UP
Scale: 3/4" = 1'-0"



NOTE:
ALL TEXT TO BE BLACK UNLESS OTHERWISE NOTED
PANTONE COLOR NUMBERS
TEAL = PANTONE 322C
BLACK =
WHITE =

6 JOB SIGN
Scale: 3/4" = 1'-0"

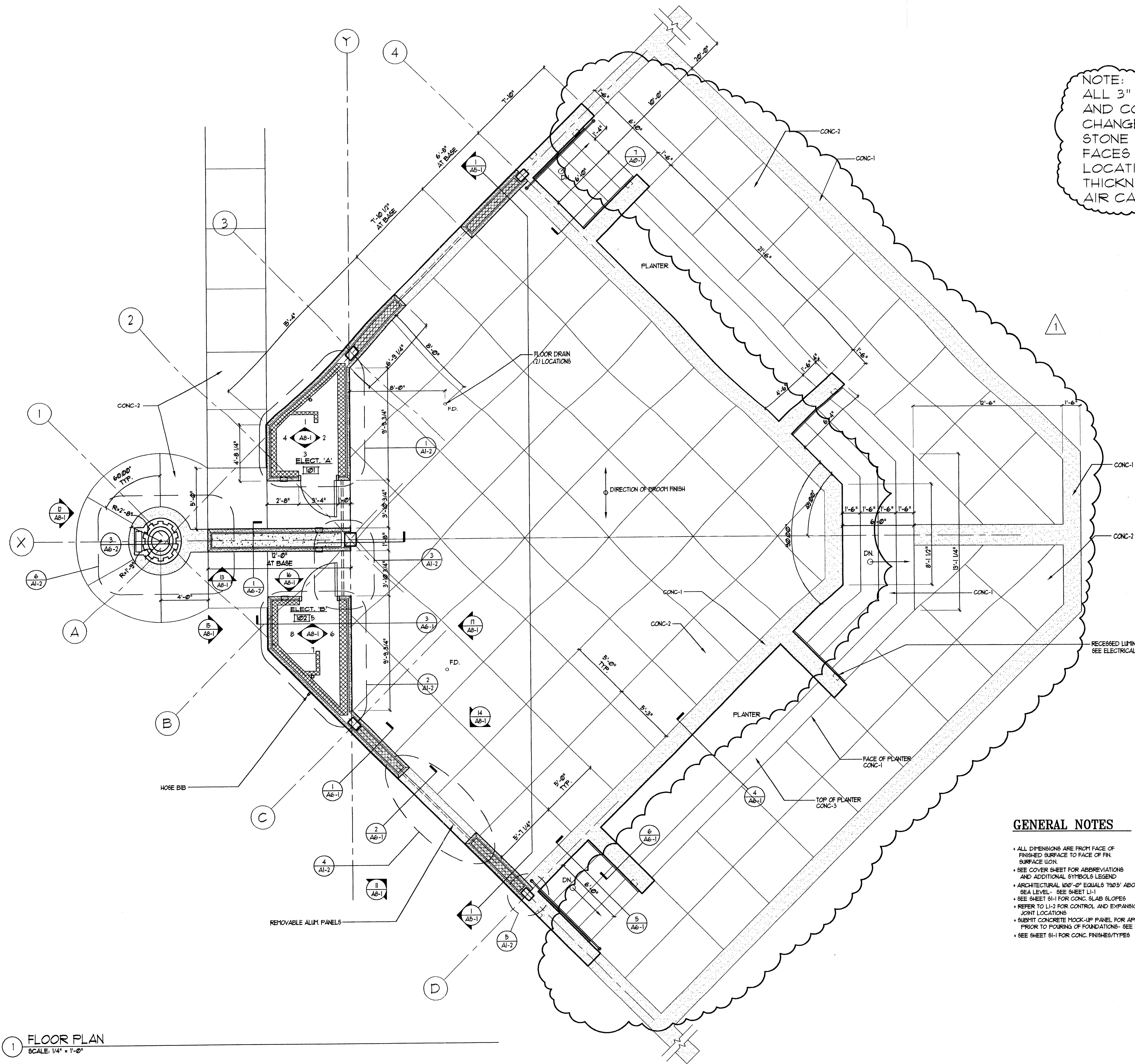
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STRUCTURAL ENGINEERS
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PHASING/GENERAL NOTES

11/18/94 08:25 am C:\DWG\TDDP\KEMTLB-D

11/18/94 0825 on CADWG\TDD\DWG\VTTLB-D



NOTE:
ALL 3" LIMESTONE PANELS
AND COPING HAVE BEEN
CHANGED TO 3 1/2" CAST
STONE MEMBERS. EXTERIOR
FACES TO REMAIN IN SAME
LOCATION± ADDITIONAL 1/2"
THICKNESS TO EXTEND INTO
AIR CAVITY

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GENERAL NOTES

- ALL DIMENSIONS ARE FROM FACE OF FINISHED SURFACE TO FACE OF FIN. SURFACE UNLESS NOTED OTHERWISE.
- SEE COVER SHEET FOR ABBREVIATIONS AND ADDITIONAL SYMBOLS LEGEND.
- ARCHITECTURAL 1/32" = 1" EQUALS 1/320" ABOVE SEA LEVEL - SEE SHEET L1-1.
- SEE SHEET S1-1 FOR CONC. SLAB SLOPES.
- REFER TO L1-2 FOR CONTROL AND EXPANSION JOINT LOCATIONS.
- SUBMIT CONCRETE MOCK-UP PANEL FOR APPROVAL PRIOR TO POURING OF FOUNDATIONS - SEE DETAIL 5/A6-1.
- SEE SHEET S1-1 FOR CONC. FINISHES/TYPES.

SYMBOL LEGEND

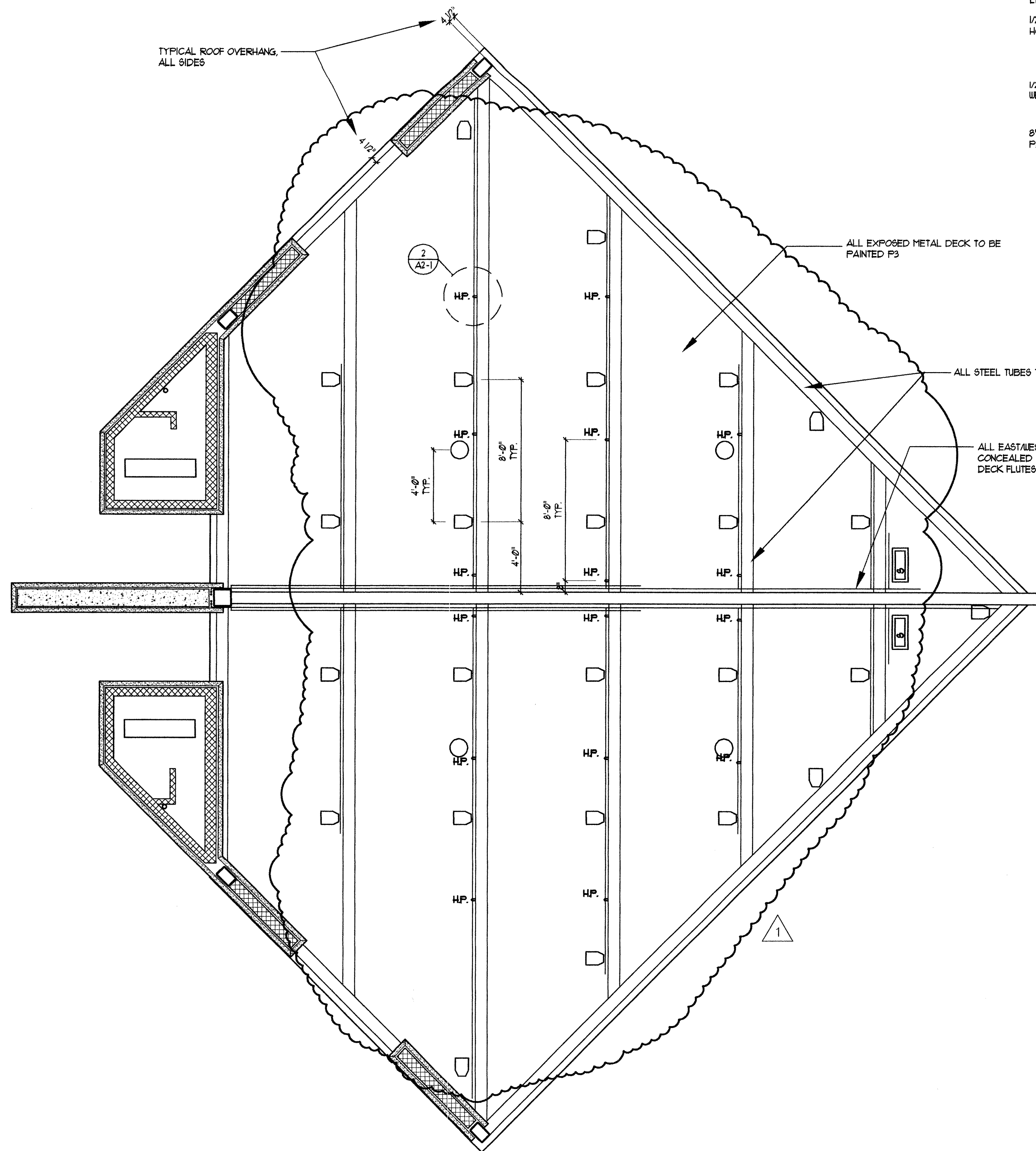
- ◊ INTERIOR ELEVATION
- DOOR NUMBER SEE SCHEDULE
- ROOM NUMBER
- FD FLOOR DRAIN

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

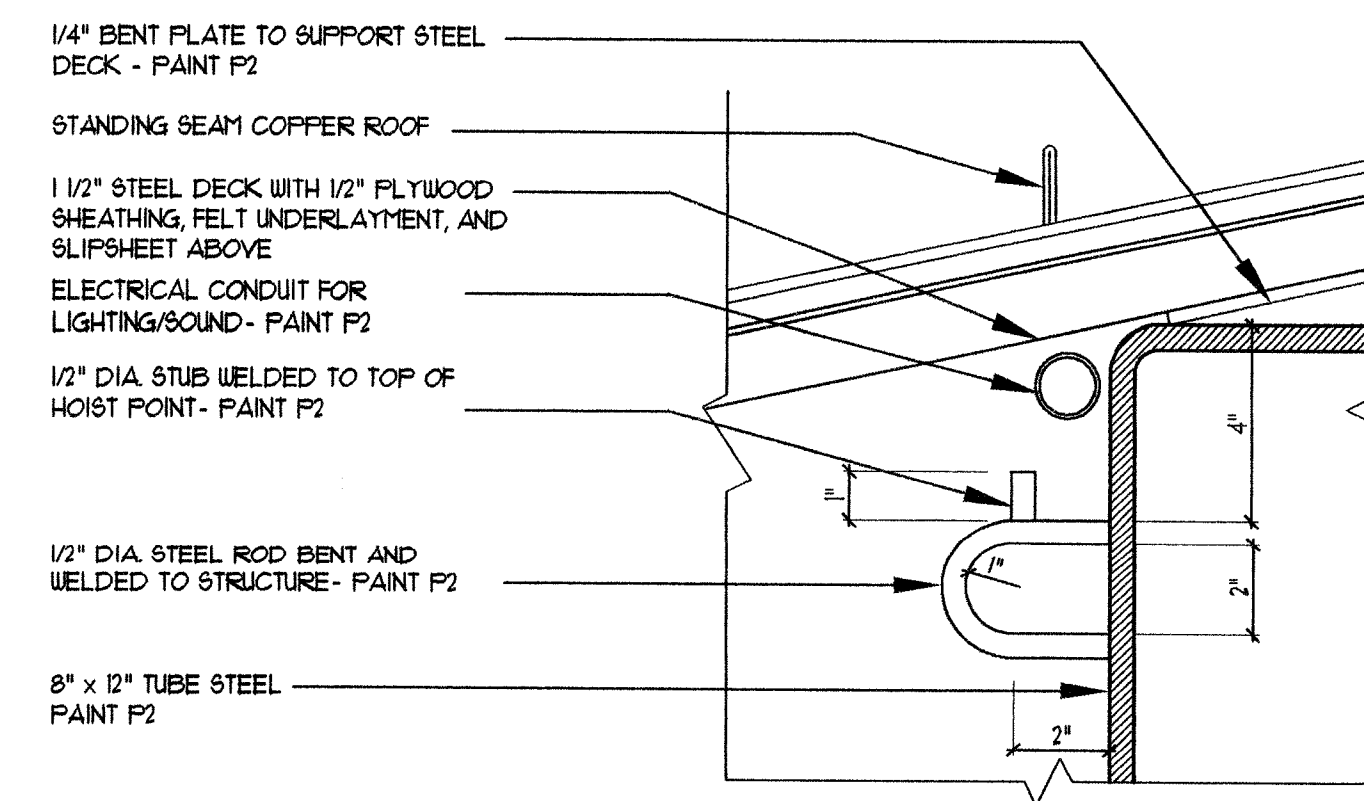
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FLOOR PLAN

A1-1



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



NOTE:
CONTRACTOR TO POST SIGNAGE STATING MAXIMUM WEIGHT PER HOIST IS 250 LBS. ONE SIGN PER EACH RIB CONTAINING HOISTS (6 TOTAL)

2 HOIST POINT DETAIL (16 TOTAL)
SCALE: 3" = 1'-0"

ALL EXPOSED METAL DECK TO BE PAINTED P2
ALL STEEL TUBES TO BE PAINTED P2
ALL EASTWEST CONDUIT RUNS TO BE CONCEALED IN TOP SIDE OF METAL DECK FLUTES

1 NOTE:
ALL 3" LIMESTONE PANELS AND COPING HAVE BEEN CHANGED TO 3 1/2" CAST STONE MEMBERS. EXTERIOR FACES TO REMAIN IN SAME LOCATION ± ADDITIONAL 1/2" THICKNESS TO EXTEND INTO AIR CAVITY

NOTE:
BEND ALL CONDUIT EXPOSED ON UNDERSIDE OF STRUCTURE TO PROFILE OF STRUCTURAL MEMBERS. MAINTAIN 1" GAP BETWEEN ROOF DECK AND CONDUIT. ALL EASTWEST CONDUIT RUNS TO BE CONTAINED WITHIN FLUTES OF DECK MATERIAL. ALL EXPOSED CONDUIT TO BE PAINTED P2.

LEGEND

- DIRECTIONAL STAGE LIGHTING
- EXTERIOR SPEAKER
- INTERIOR WALL FIXTURE
- ELECTRICAL CONDUIT RUN
- HP. HOIST POINT- SEE DETAIL 2/A2-1
- SECURITY LIGHTING

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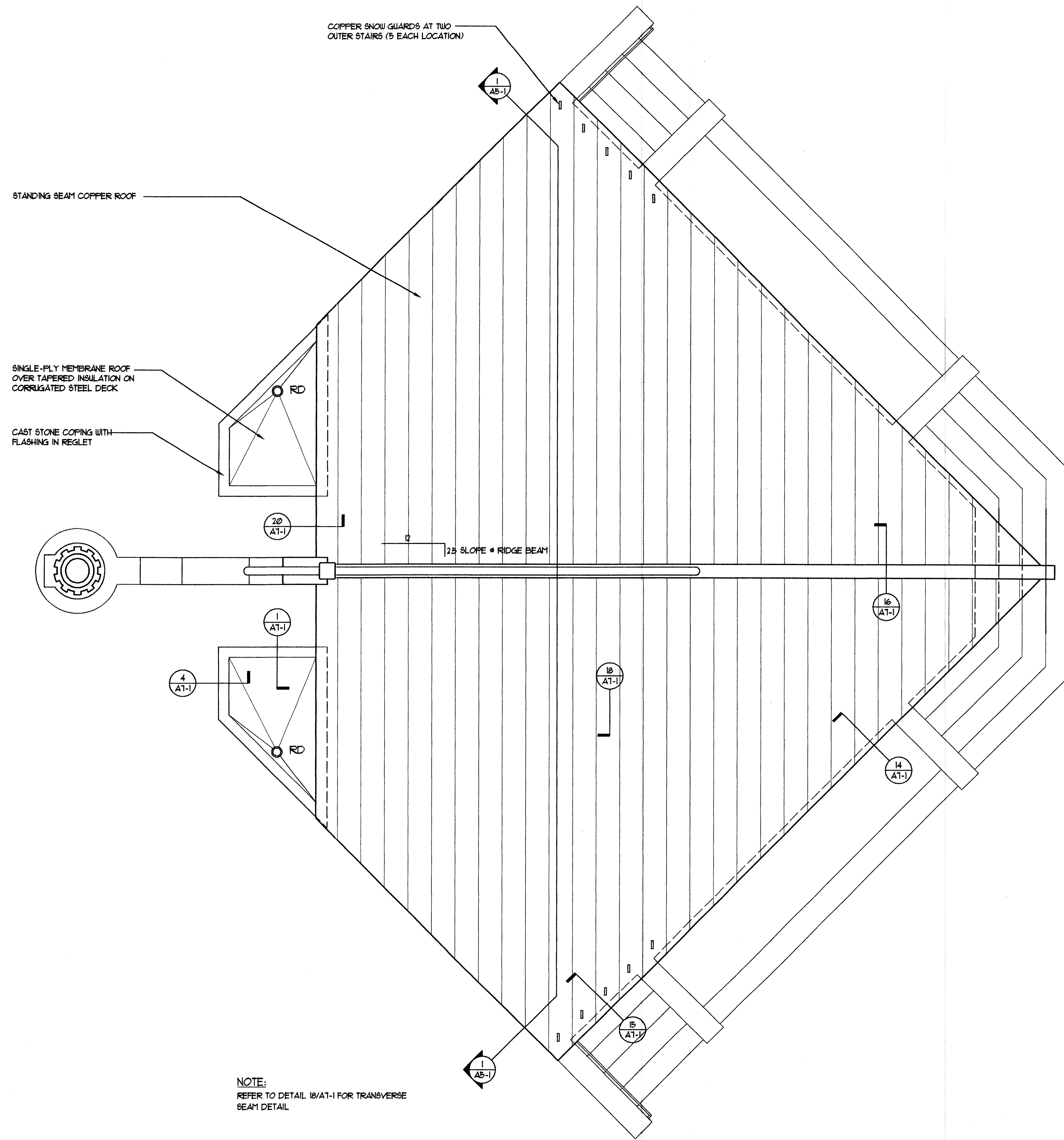
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REFLECTED CEILING PLAN

11/18/94 0825 an CADWGTODD\VIEW\TTLB-D



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

NOTE:
REFER TO DETAIL 10/AT-1 FOR TRANSVERSE
SEAM DETAIL

1

NOTE:
ALL 3" LIMESTONE PANELS
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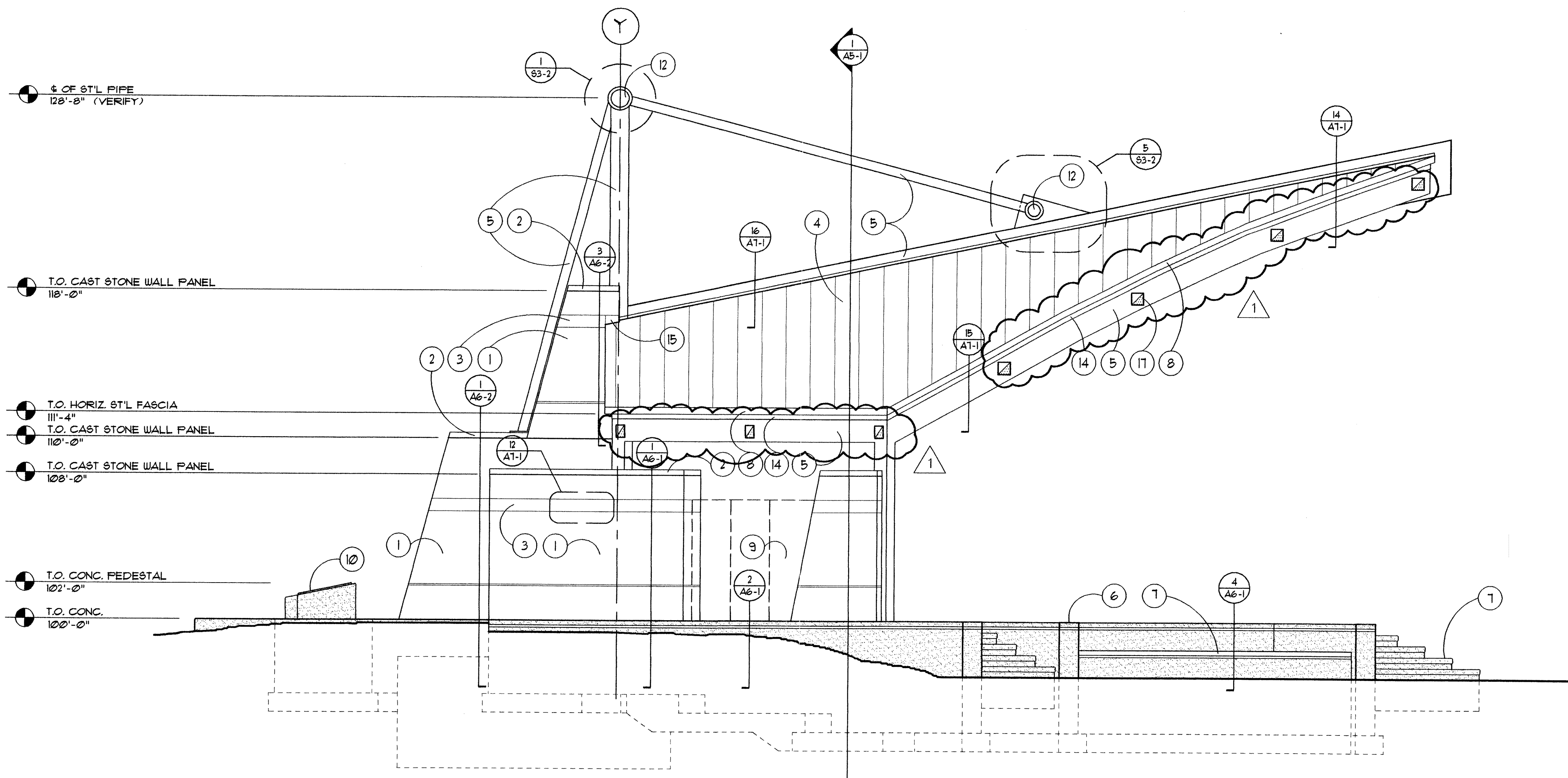
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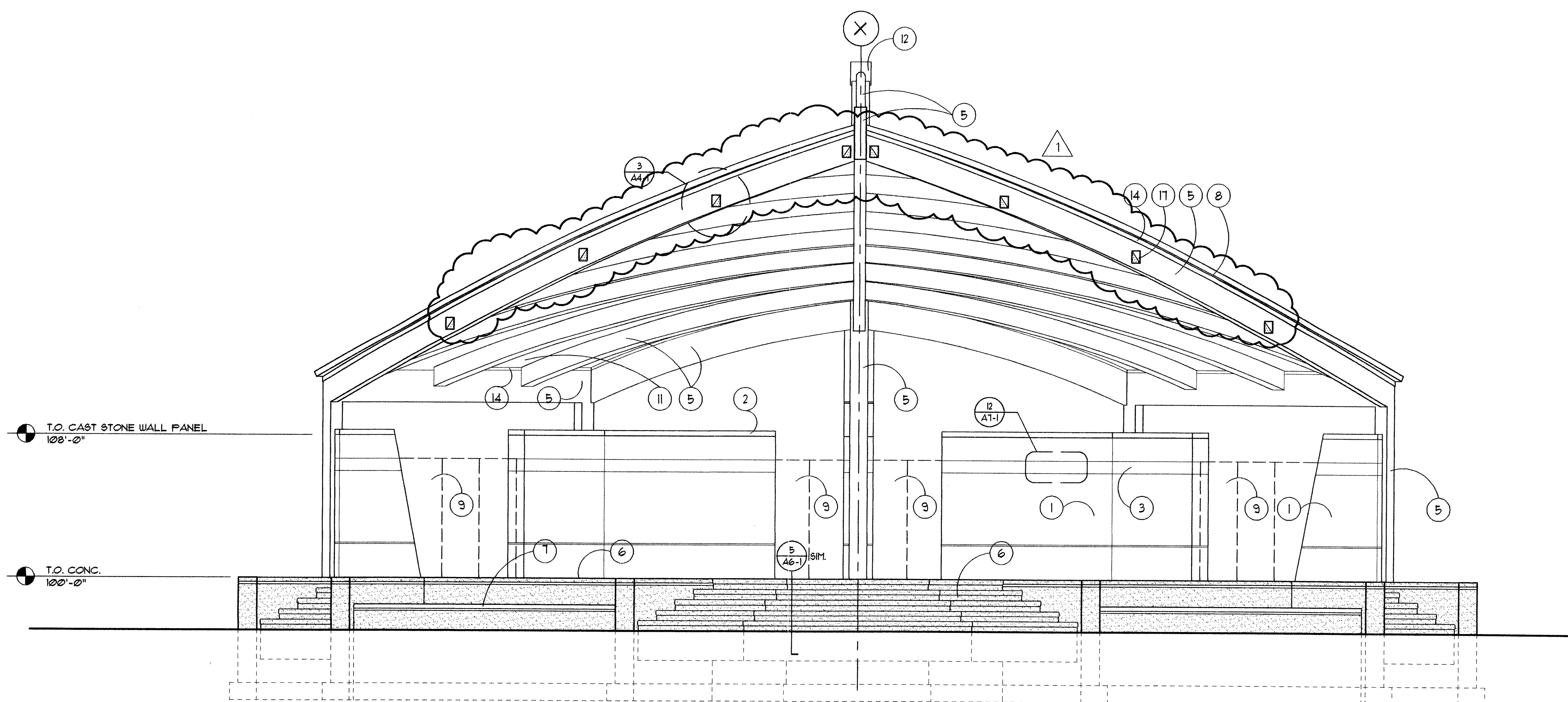
ROOF PLAN

A3-1

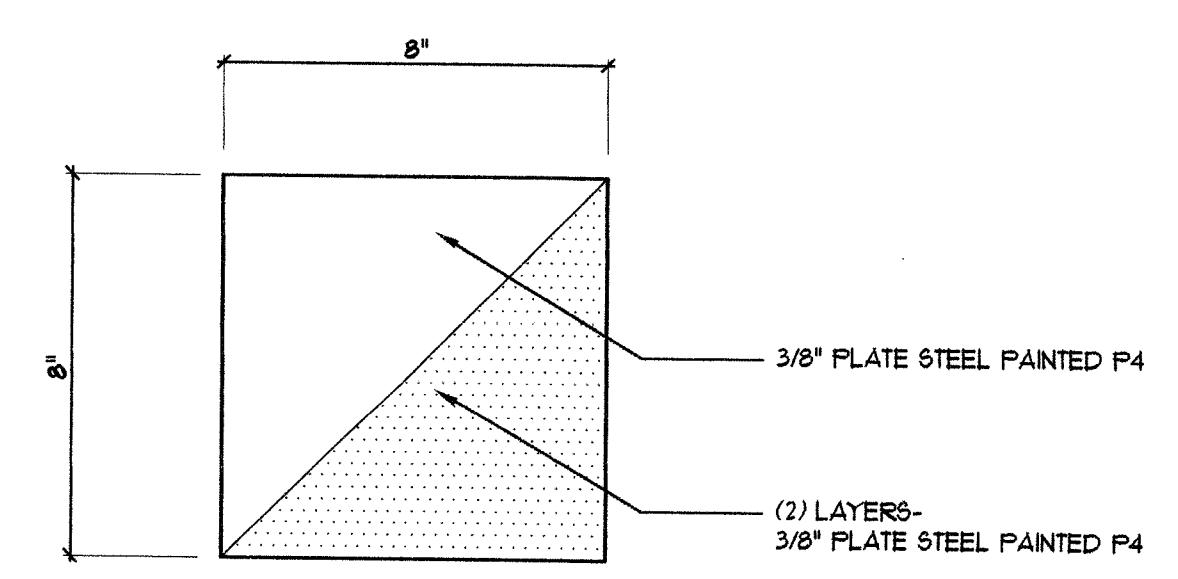


1 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

- ELEVATION KEYNOTE TAG
- 1 3 1/2" THICK CAST STONE PANEL
FINISH: SMOOTH
 - 2 SLOPED CAST STONE COPING
FINISH: SMOOTH
 - 3 8" HIGH SANDBLASTED CAST STONE RELIEF
FINISH: VARIES, SEE 12/A1-1
 - 4 STANDING SEAM COPPER ROOF WITH FIELD PATINA FINISH
 - 5 EXPOSED STRUCTURAL STEEL
COLOR: F2
 - 6 EXPOSED AGGREGATE CONCRETE FINISH
(CONC-1)
 - 7 SMOOTH FINISH CONCRETE
(CONC-2)
 - 8 COPPER FLASHING WITH FIELD PATINA FINISH
 - 9 REMOVABLE ALUMINUM PANELS BY OWNER
COLOR: CLEAR ANODIZED ALUMINUM
 - 10 ROTARY SYMBOL BRONZE CASTING
 - 11 STEEL ROOF DECKING
COLOR: F3
 - 12 STEEL CAP PLATE
COLOR: F3
 - 13 EXTERIOR HOSE BIB
 - 14 CONTINUOUS BENT STEEL DECK SEAT
COLOR: F2
 - 15 STAINLESS ST'L FLASHING
W/ SAW-CUT REGLET AT STONE PANELS
 - 16 12" x 18" BRONZE ROTARY COMMEMORATIVE PLAQUE
 - 17 8" x 8" STEEL ACCENT SQUARES
SEE DETAIL 3/A4-1
COLOR: F4



2 EAST ELEVATION
SCALE: 1/4" = 1'-0"



NOTE:
WELD CONTINUOUS TO BEAM.
GRIND WELD SMOOTH BEFORE PAINTING

3 ACCENT SQUARE DETAIL ON FASCIA
SCALE: 3" = 1'-0" SEE TAG #1

NOTE:
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STONE MEMBERS. EXTERIOR
FACES TO REMAIN IN SAME
LOCATION ± ADDITIONAL 1/2"
THICKNESS TO EXTEND INTO
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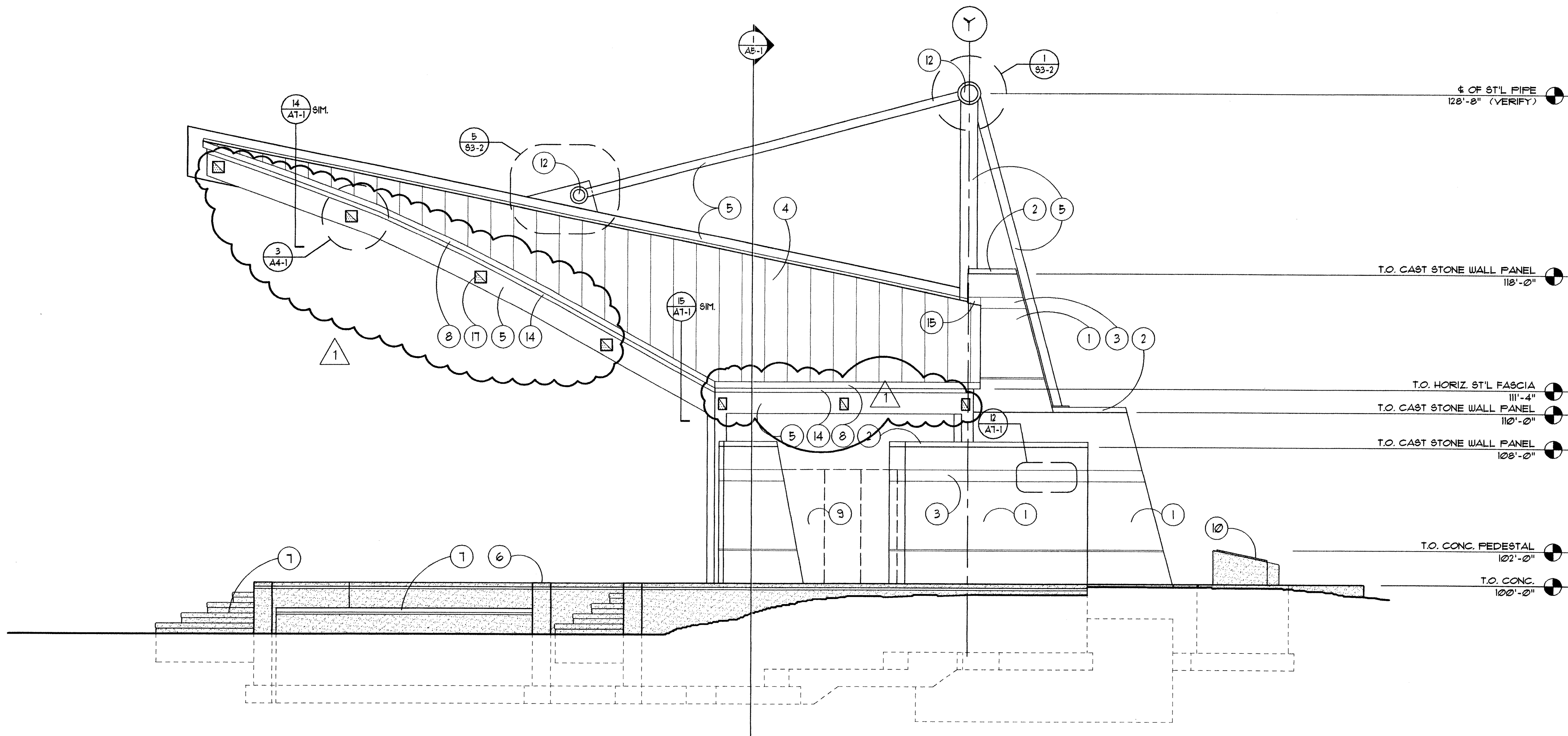
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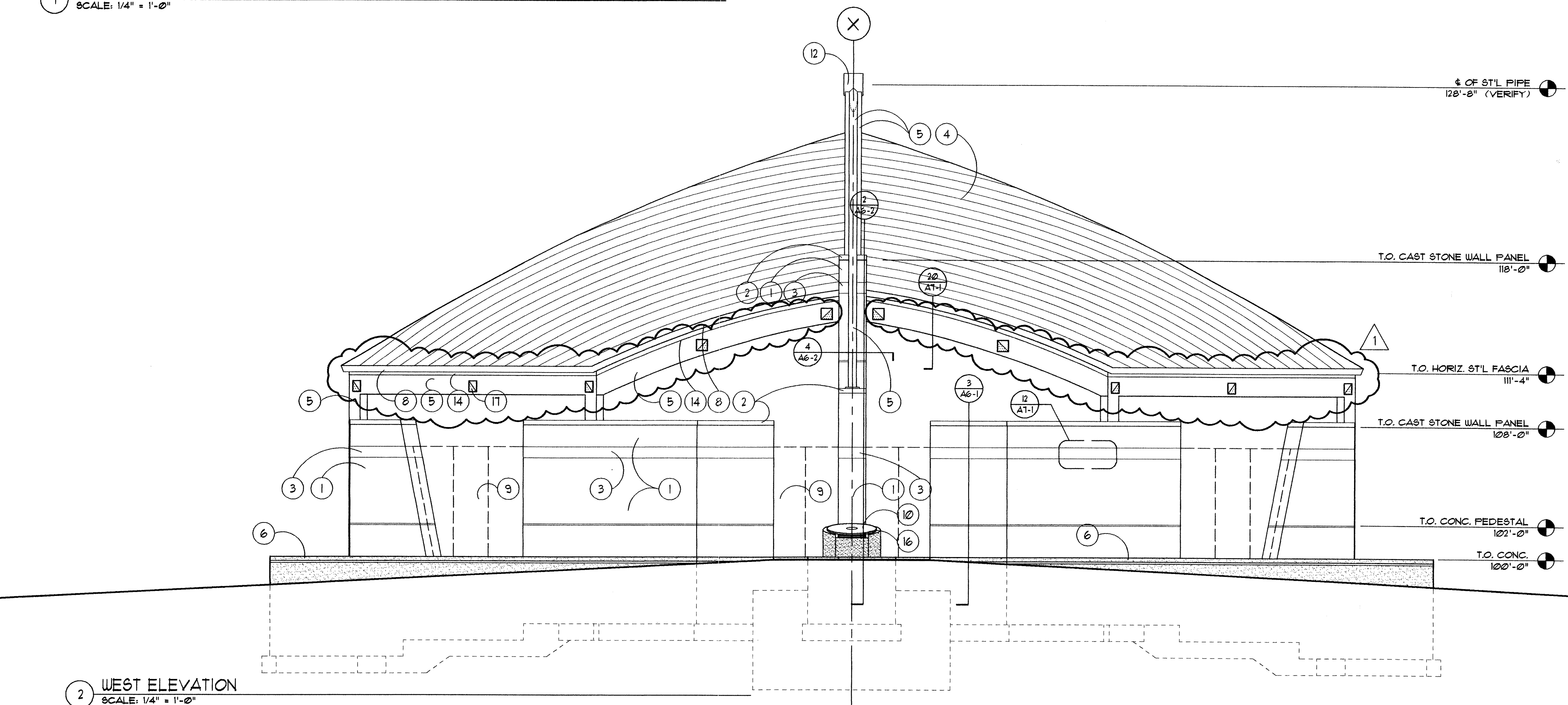
EXTERIOR ELEVATIONS



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

ELEVATION KEYNOTE TAG

- 1 3 1/2" THICK CAST STONE PANEL
FINISH: SMOOTH
- 2 SLOPED CAST STONE COPING
FINISH: SMOOTH
- 3 8" HIGH CAST STONE RELIEF
FINISH: VARIES, SEE 12/A7-1
- 4 STANDING SEAM COPPER ROOF WITH FIELD PATINA FINISH
- 5 EXPOSED STRUCTURAL STEEL
COLOR: F2
- 6 EXPOSED AGGREGATE CONCRETE FINISH (CONC-1)
- 7 SMOOTH FINISH CONCRETE (CONC-2)
- 8 COPPER FLASHING WITH FIELD PATINA FINISH
- 9 REMOVABLE ALUMINUM PANELS BY OWNER
COLOR: CLEAR ANODIZED ALUMINUM
- 10 ROTARY SYMBOL BRONZE CASTING
- 11 STEEL ROOF DECKING
COLOR: F3
- 12 STEEL CAP PLATE
COLOR: F3
- 13 EXTERIOR HOSE BIB
- 14 CONTINUOUS BENT STEEL DECK SEAT
COLOR: F2
- 15 STAINLESS ST'L FLASHING
W/ SAW-CUT REGLET AT STONE PANELS
- 16 12" h x 18" w BRONZE ROARY COMMEMORATIVE PLAQUE
- 17 8" x 8" STEEL ACCENT SQUARES
SEE DETAIL 3/A4-1
COLOR: F4



2 WEST ELEVATION
SCALE: 1/4" = 1'-0"

NOTE:
ALL 3" LIMESTONE PANELS
AND COPING HAVE BEEN
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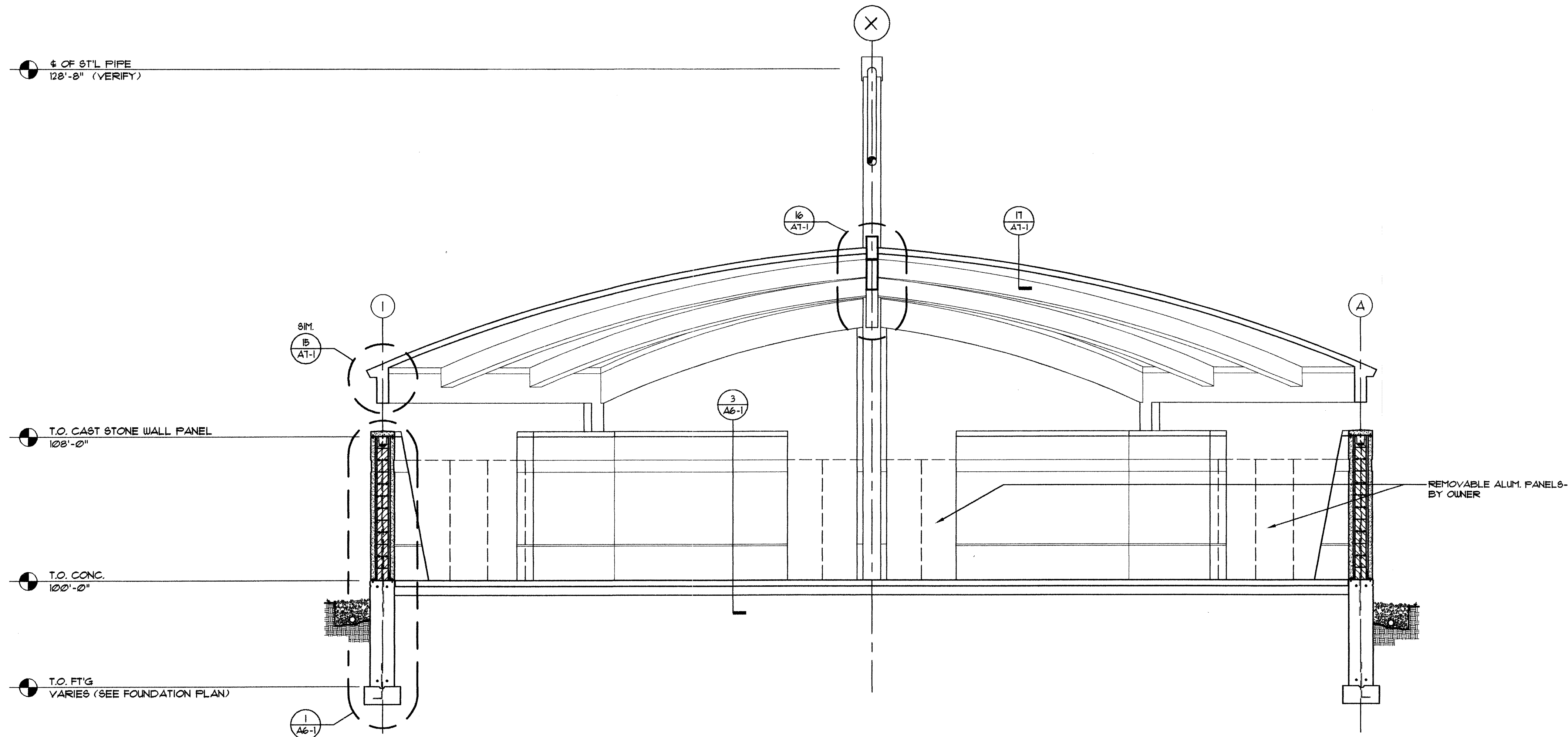
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EXTERIOR ELEVATIONS

A4-2



1 BUILDING SECTION

NOTE:
 ALL 3" LIMESTONE PANELS
 AND COPING HAVE BEEN
 CHANGED TO 3 1/2" CAST
 STONE MEMBERS. EXTERIOR
 FACES TO REMAIN IN SAME
 LOCATION± ADDITIONAL 1/2"
 THICKNESS TO EXTEND INTO
 AIR CAVITY

KALAMAZOO ROTARY STAGE
 Kalamazoo, Michigan
 Bronson Park
 98071

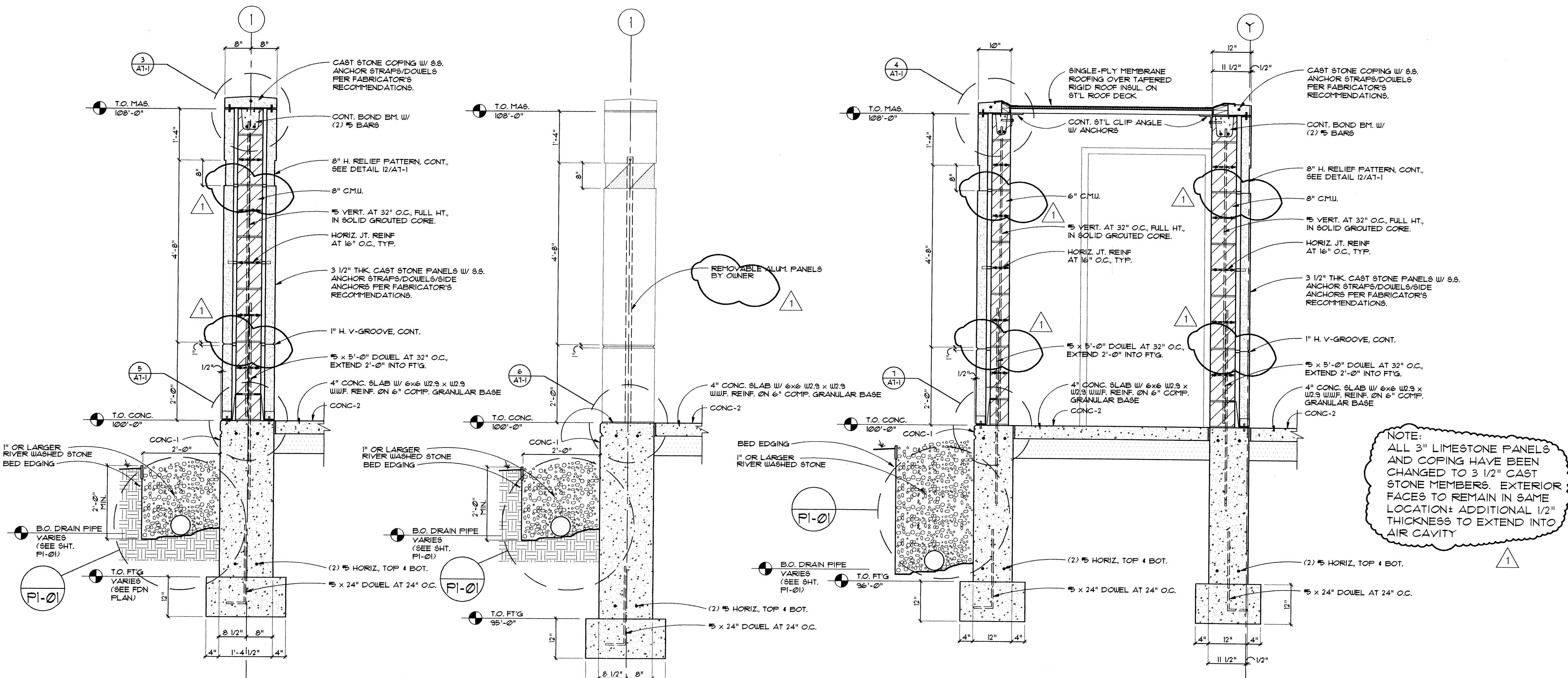
3/15/99 ISSUED FOR BID
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Structural Engineers
 JDH Engineering
 Mechanical and Electrical Engineers
 Engineering Plus, Inc.

Eckert/Wordell
 Architects
 161 E. Michigan Ave.
 Kalamazoo, MI 49007
 616 388 7313
 616 388 7330 Fax

BUILDING SECTIONS

11/18/94 08:25 am C:\DWG\1000\NEW\TILB-D

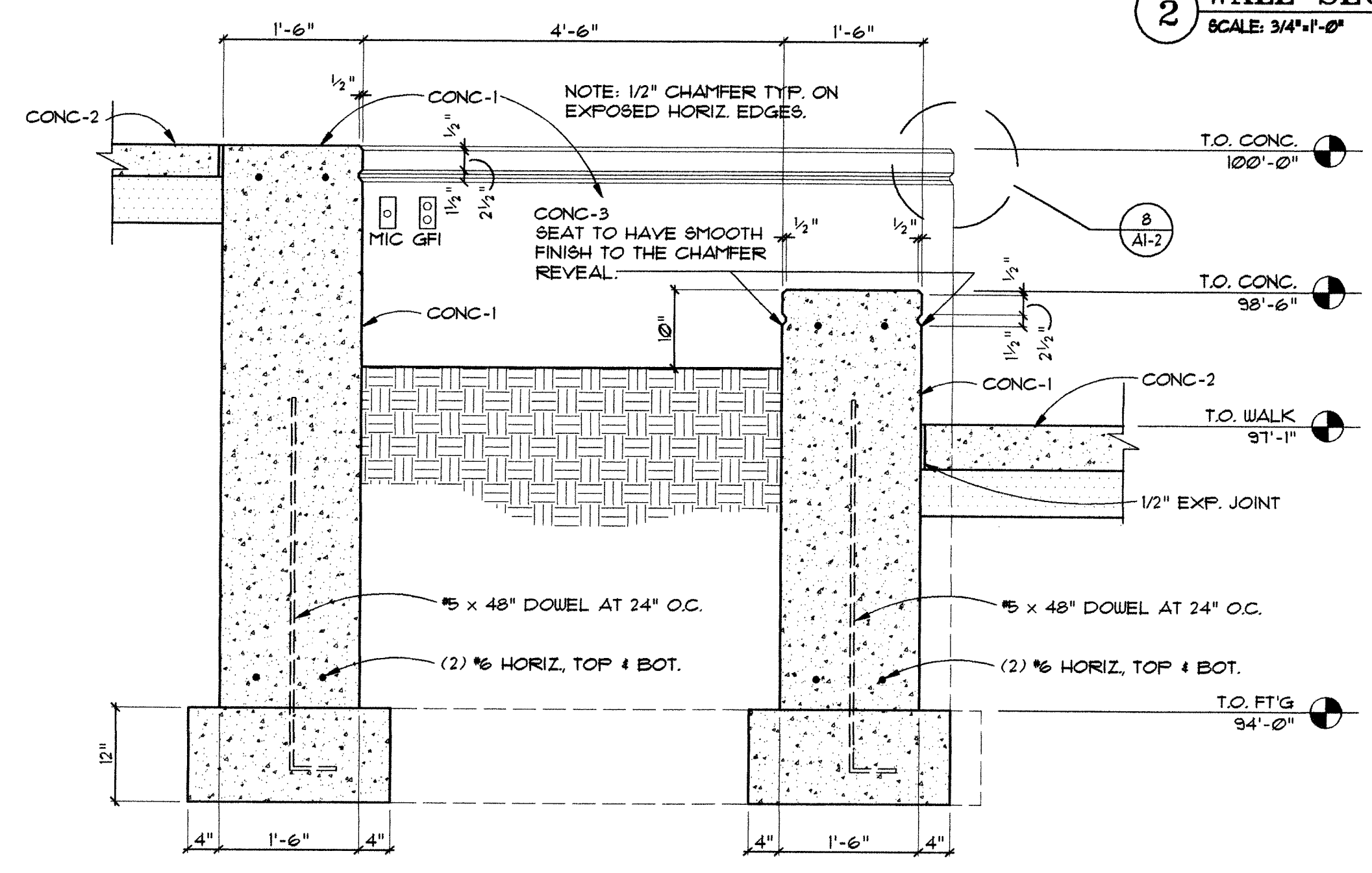


NOTE:
ALL 3" LIMESTONE PANELS
AND COPING HAVE BEEN
CHANGED TO 3 1/2" CAST
STONE MEMBERS. EXTERIOR
FACES TO REMAIN IN SAME
LOCATION & ADDITIONAL 1/2"
THICKNESS TO EXTEND INTO
AIR CAVITY

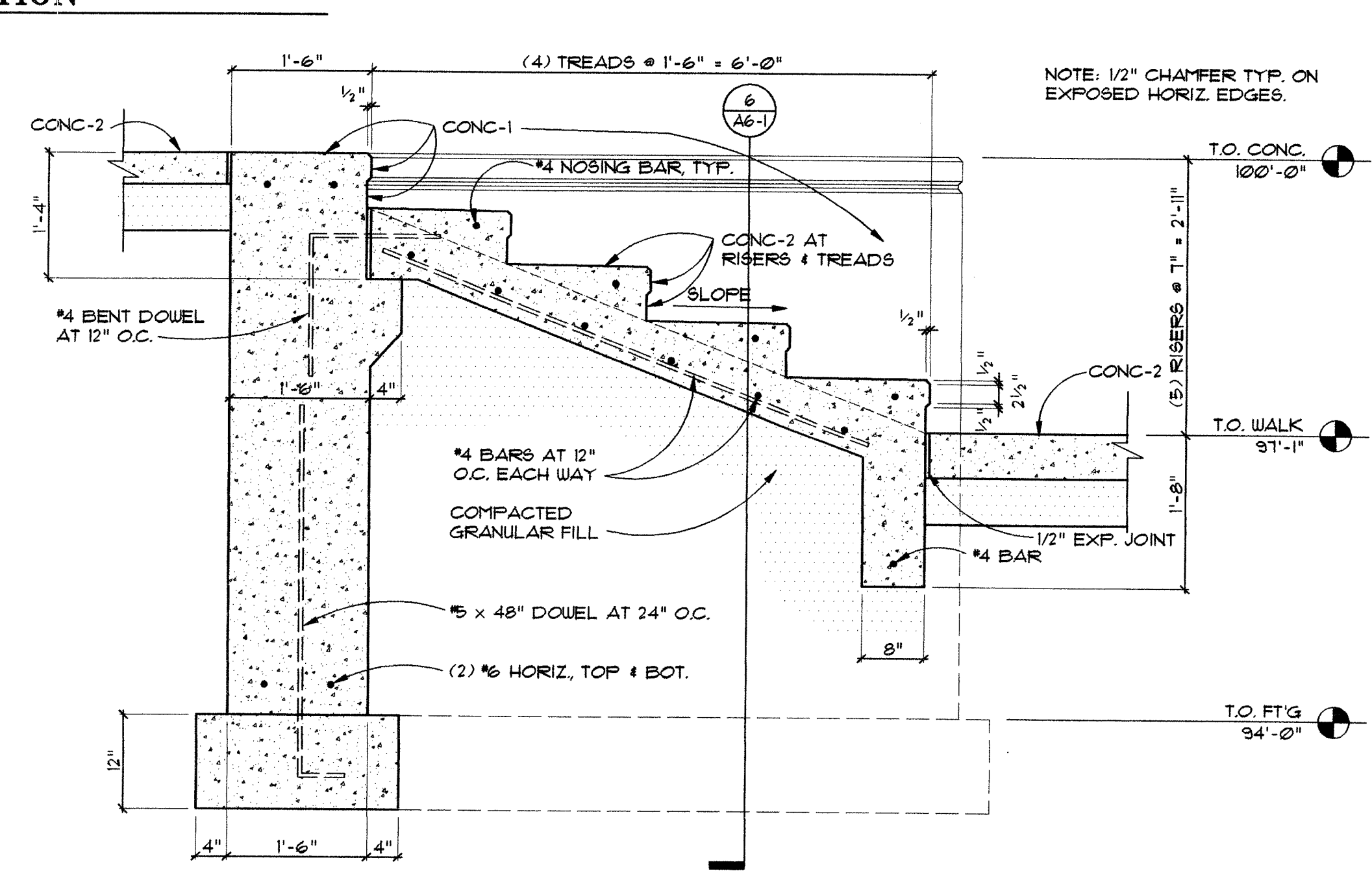
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SCALE: 3/4"=1'-0"

3 WALL SECTION
SCALE: 3/4"=1'-0"

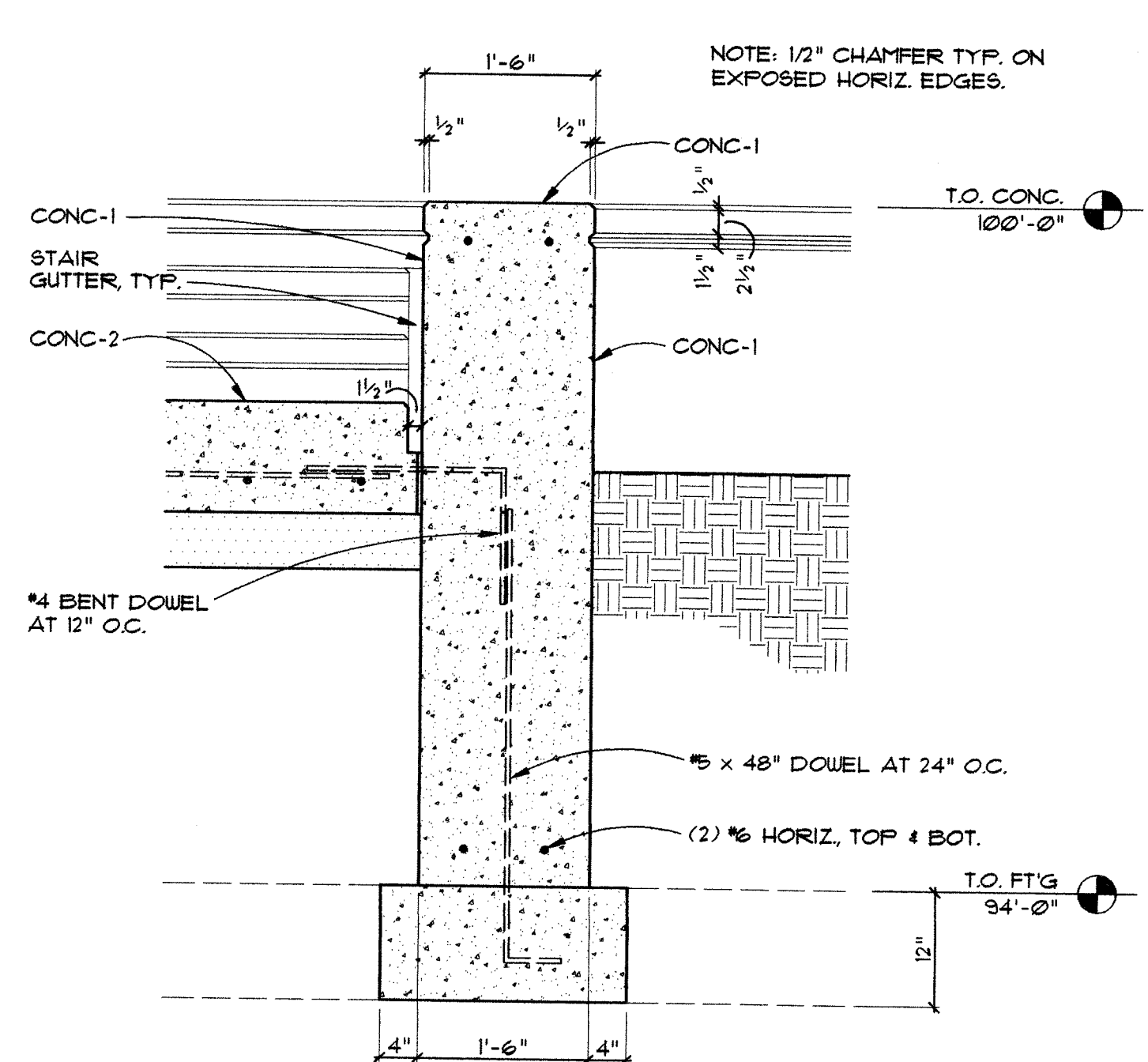
2 WALL SECTION
SCALE: 3/4"=1'-0"



4 PLANTER SECTION
SCALE: 3/4"=1'-0"



5 STAIR SECTION
SCALE: 3/4"=1'-0"



6 STAIR/PLANTER SECTION
SCALE: 3/4"=1'-0"

KALAMAZOO ROTARY STAGE
Kalamazoo, Michigan
Bronson Park
98071

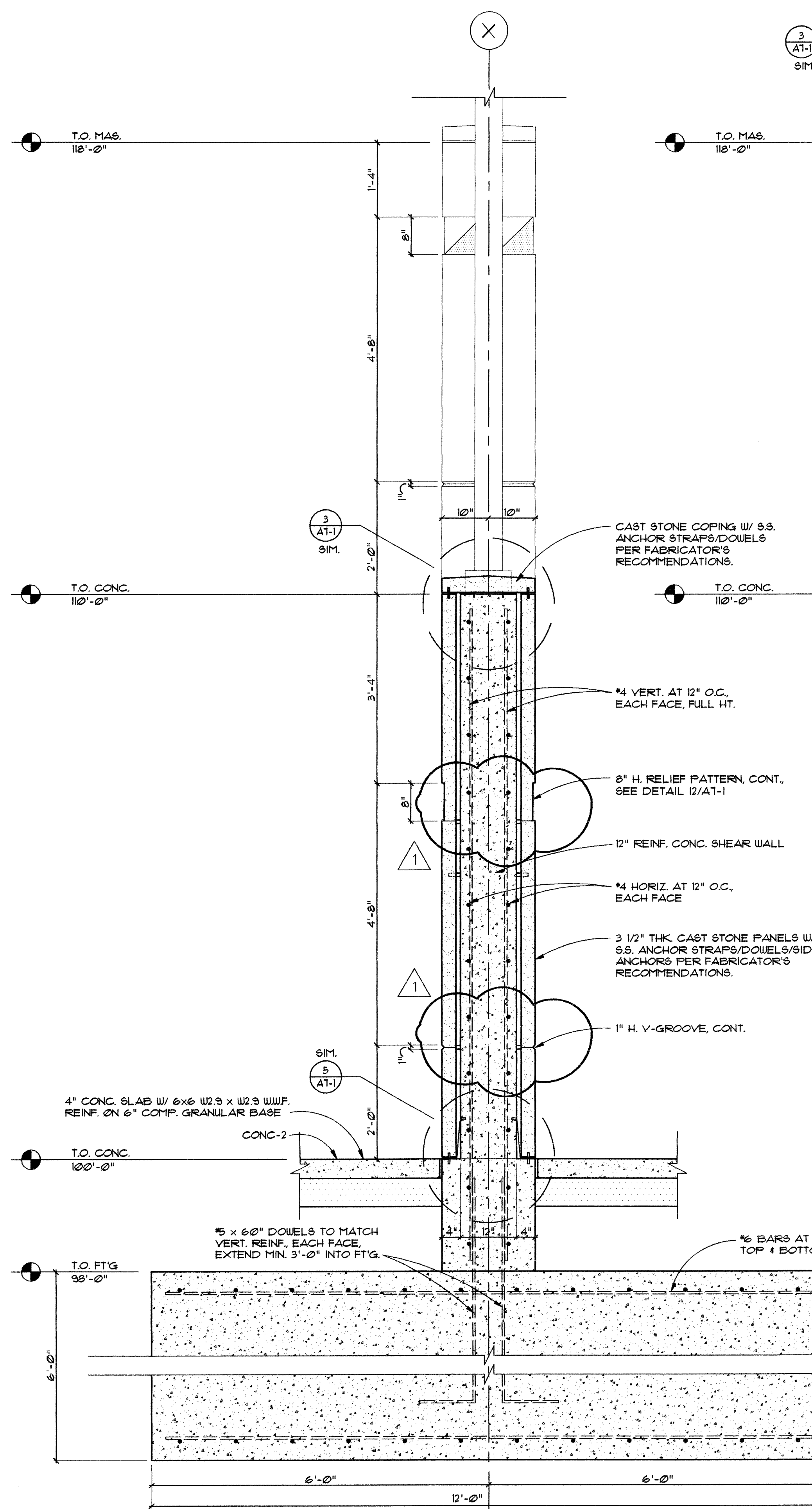
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CONSULTANT TYPE (CAPS)
Consultant's Name

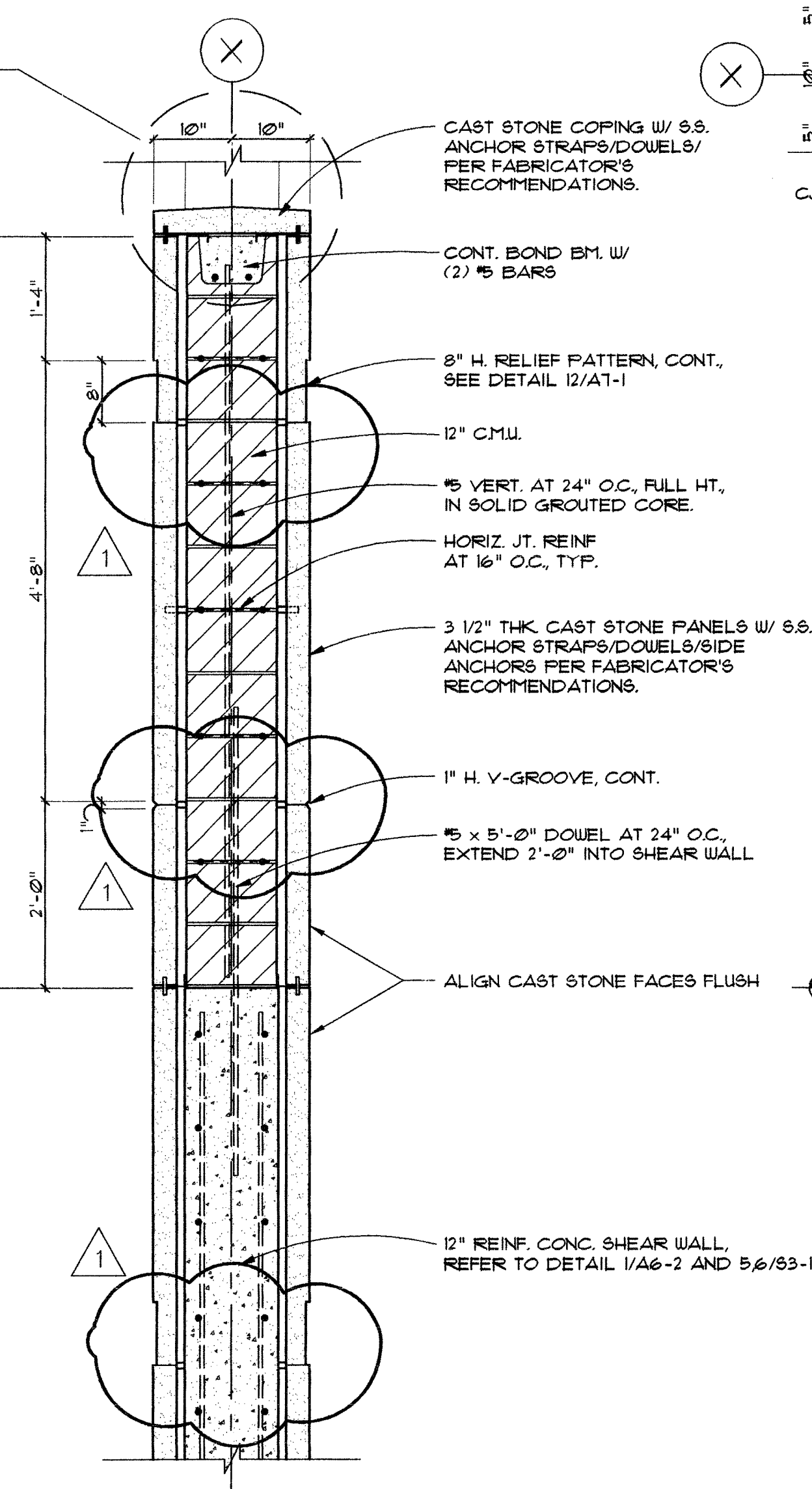
**Eckert/Wordell
Architects**
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Kalamazoo, MI 49007
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616 388 7330 Fax

WALL SECTIONS

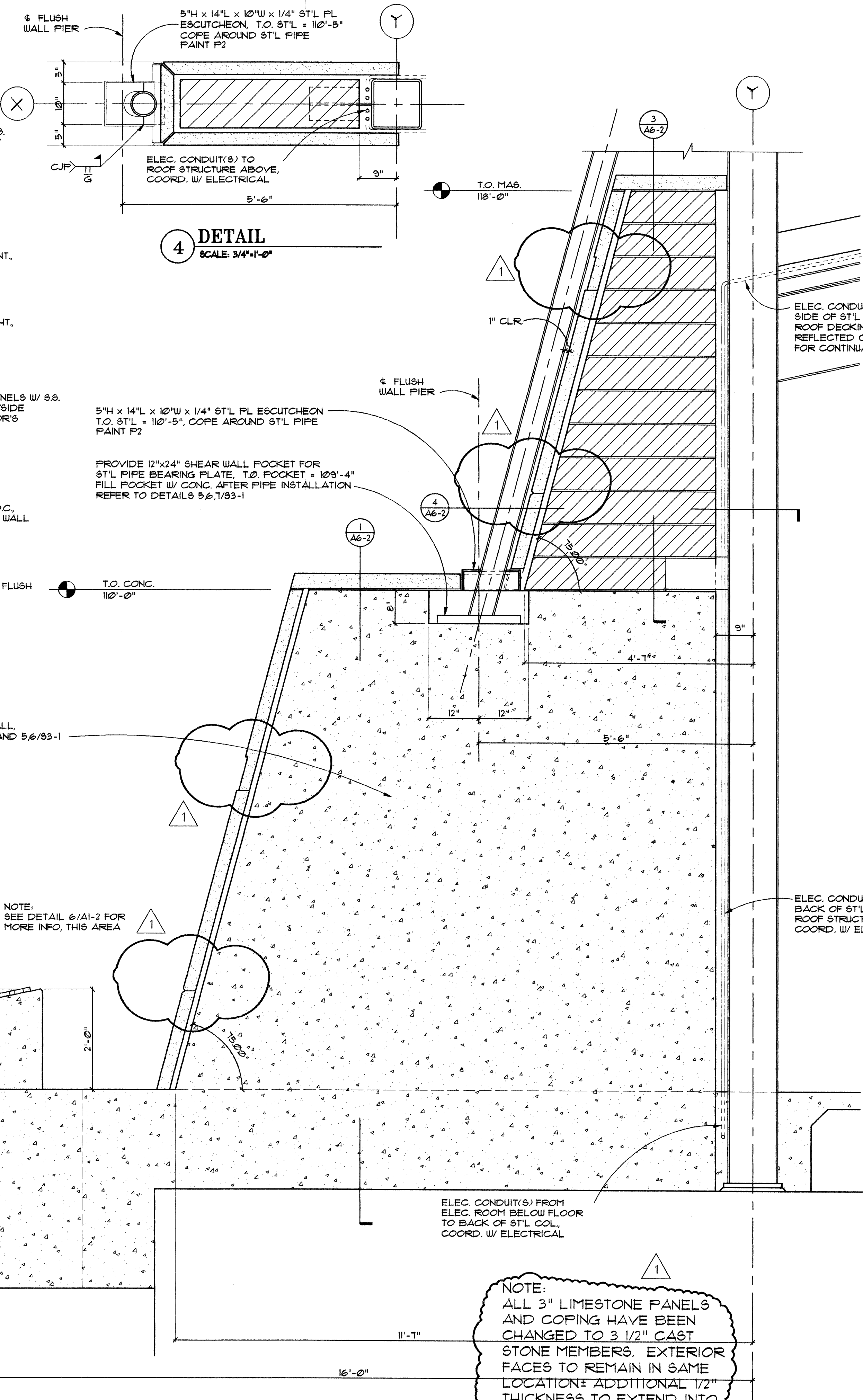
A6-1



1 WALL SECTION
SCALE: 3/4"=1'-0"



3 WALL SECTION
SCALE: 3/4"=1'-0"



2 WALL SECTION
SCALE: 3/4"=1'-0"

4 DETAIL
SCALE: 3/4"=1'-0"

NOTE:
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KALAMAZOO ROTARY STAGE
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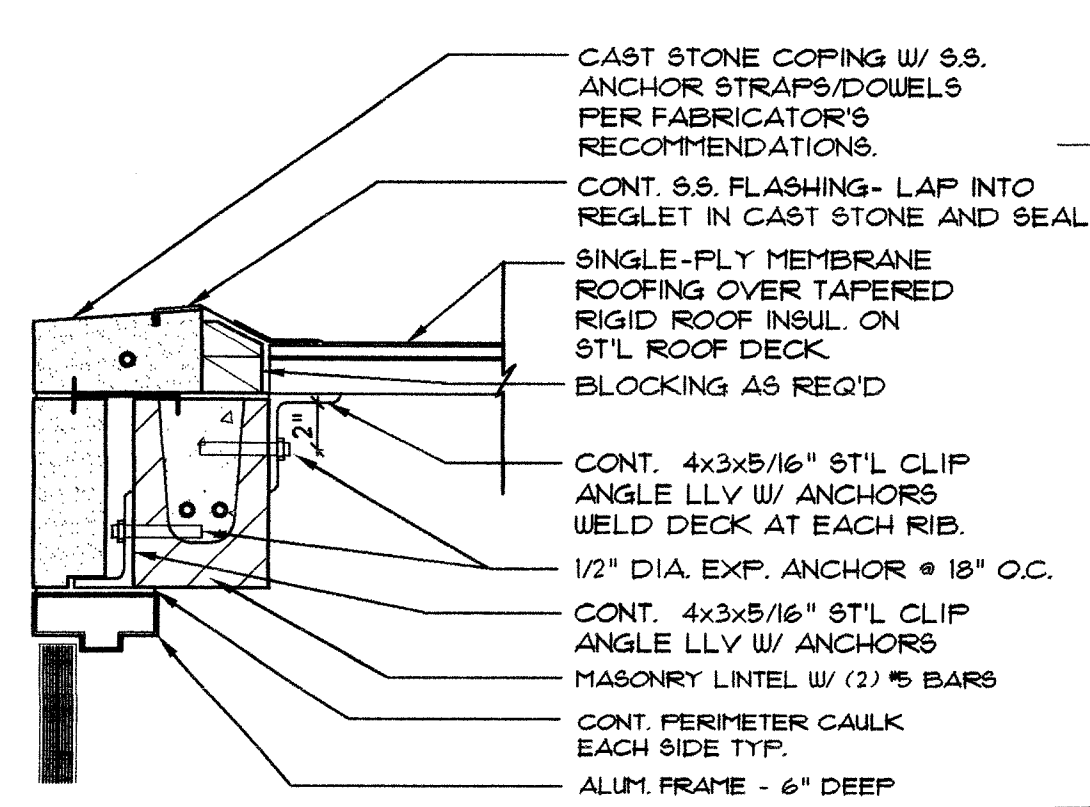
CONSULTANT TYPE (CAP)
Consultant's Name

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Architects**
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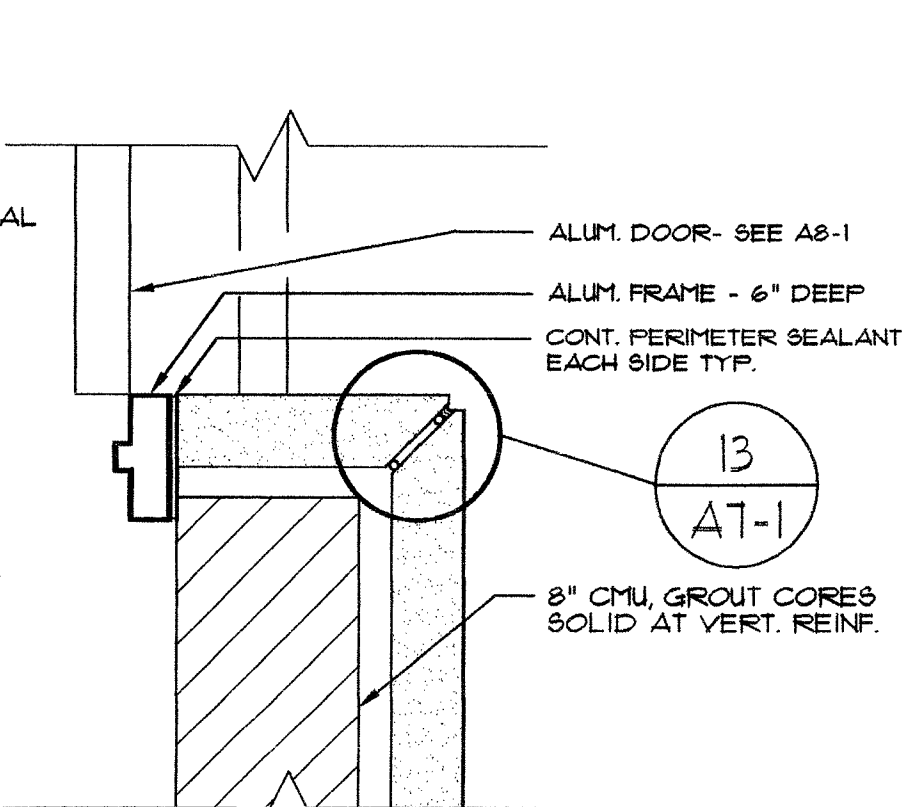
WALL SECTIONS

A6-2

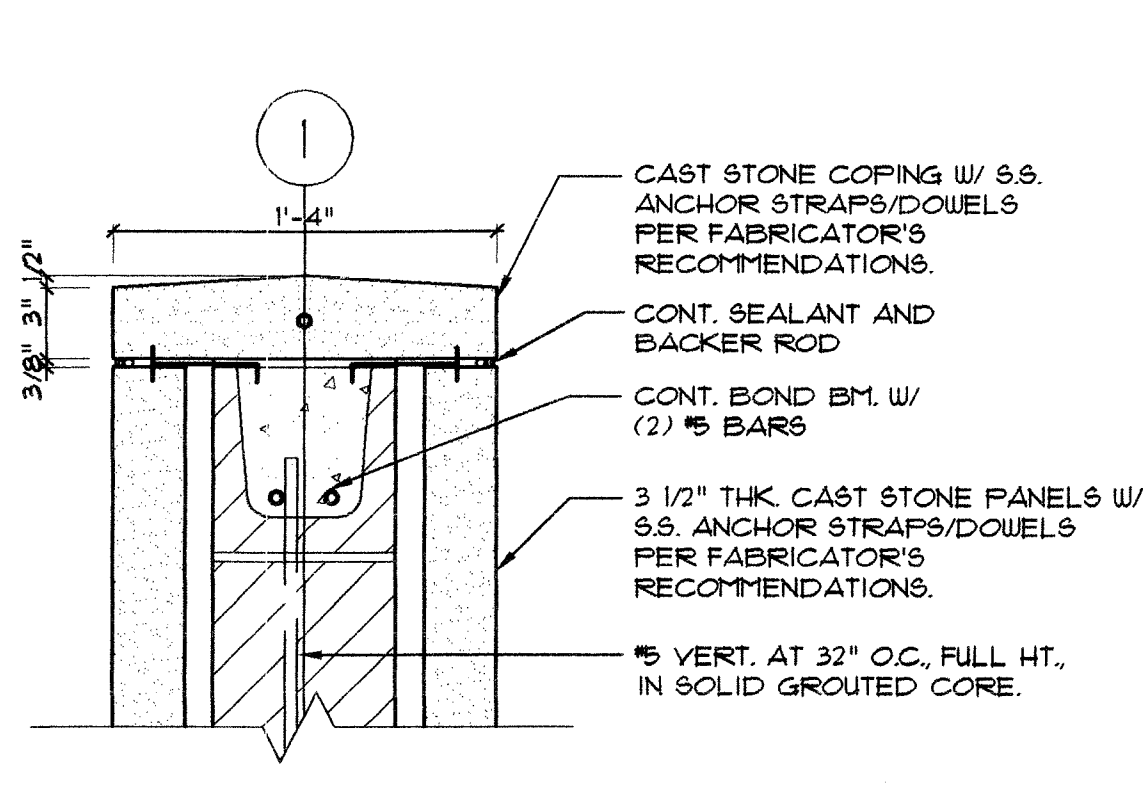
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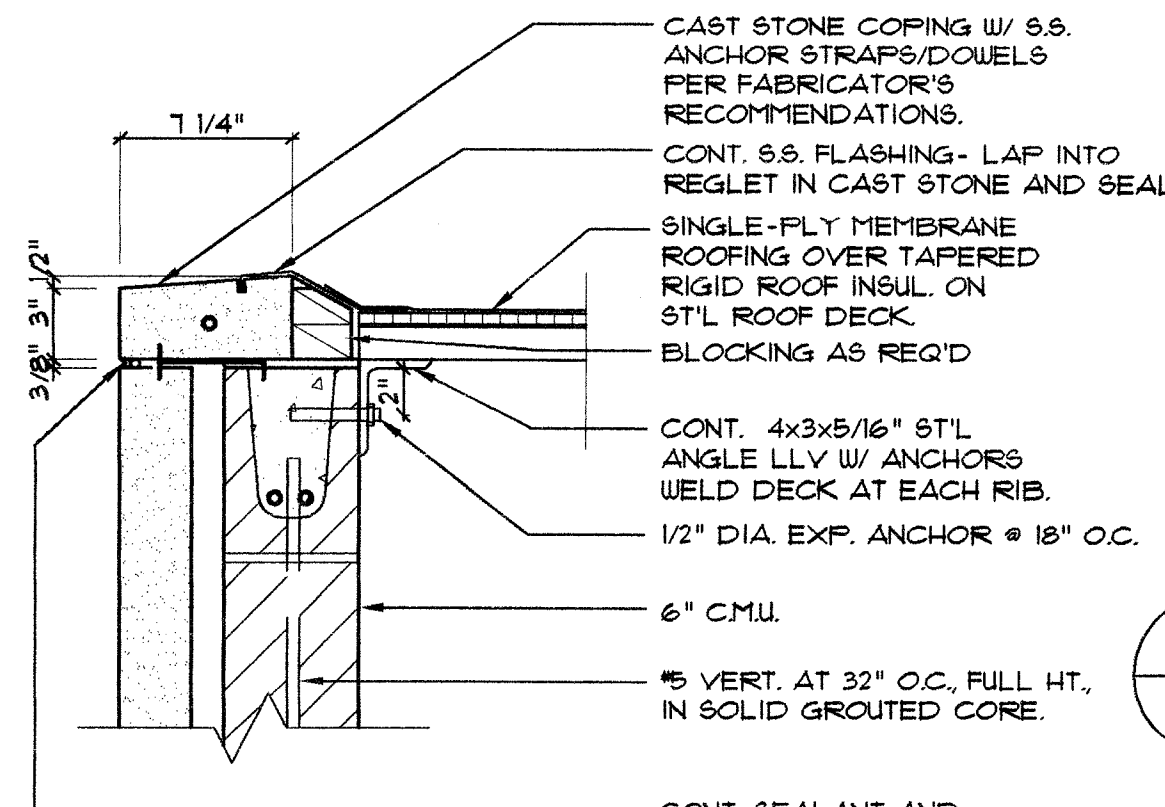
1 DOOR HEAD DTL.
Scale: 1 1/2"=1'-0"



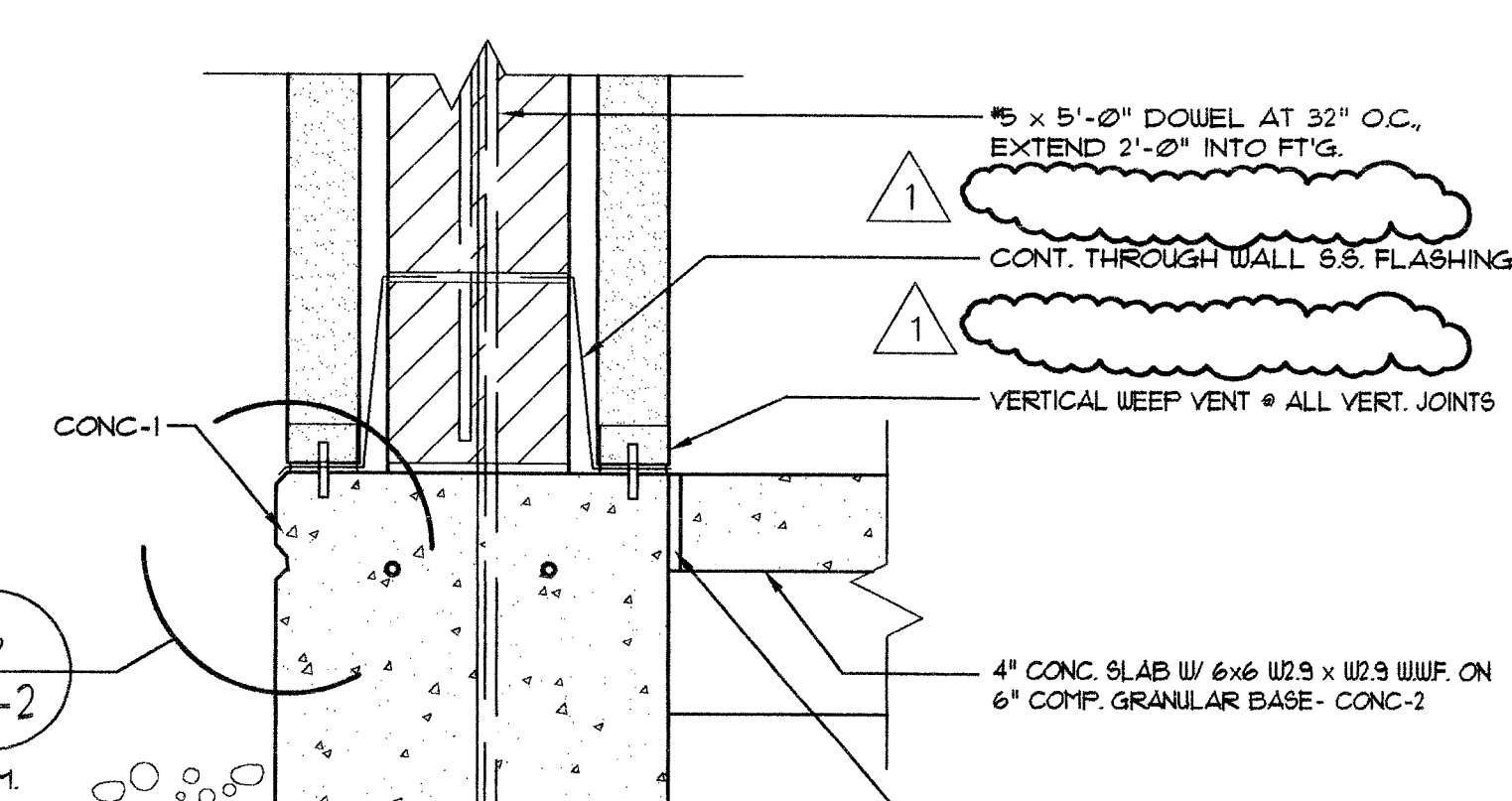
2 DOOR JAMB DTL.
Scale: 1 1/2"=1'-0"



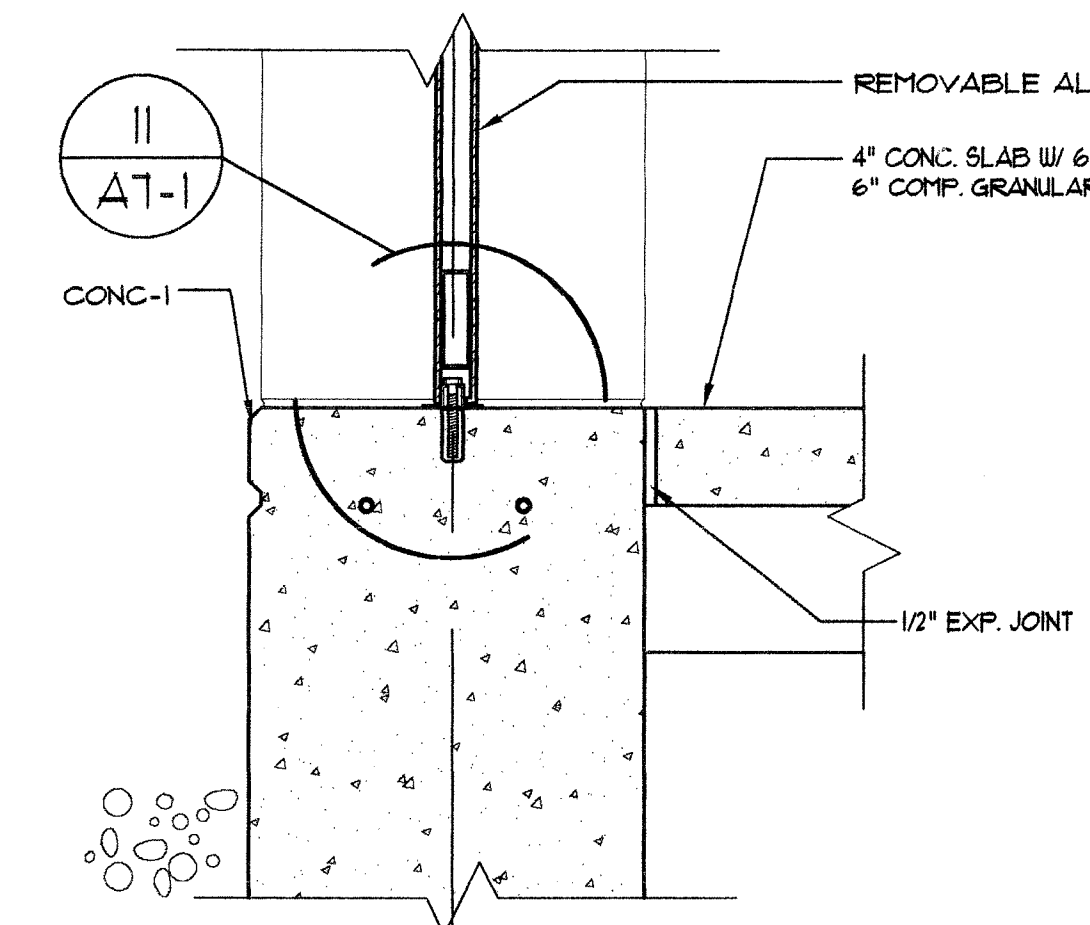
3 COPING DETAIL @ TOP OF WALL
Scale: 1 1/2"=1'-0"



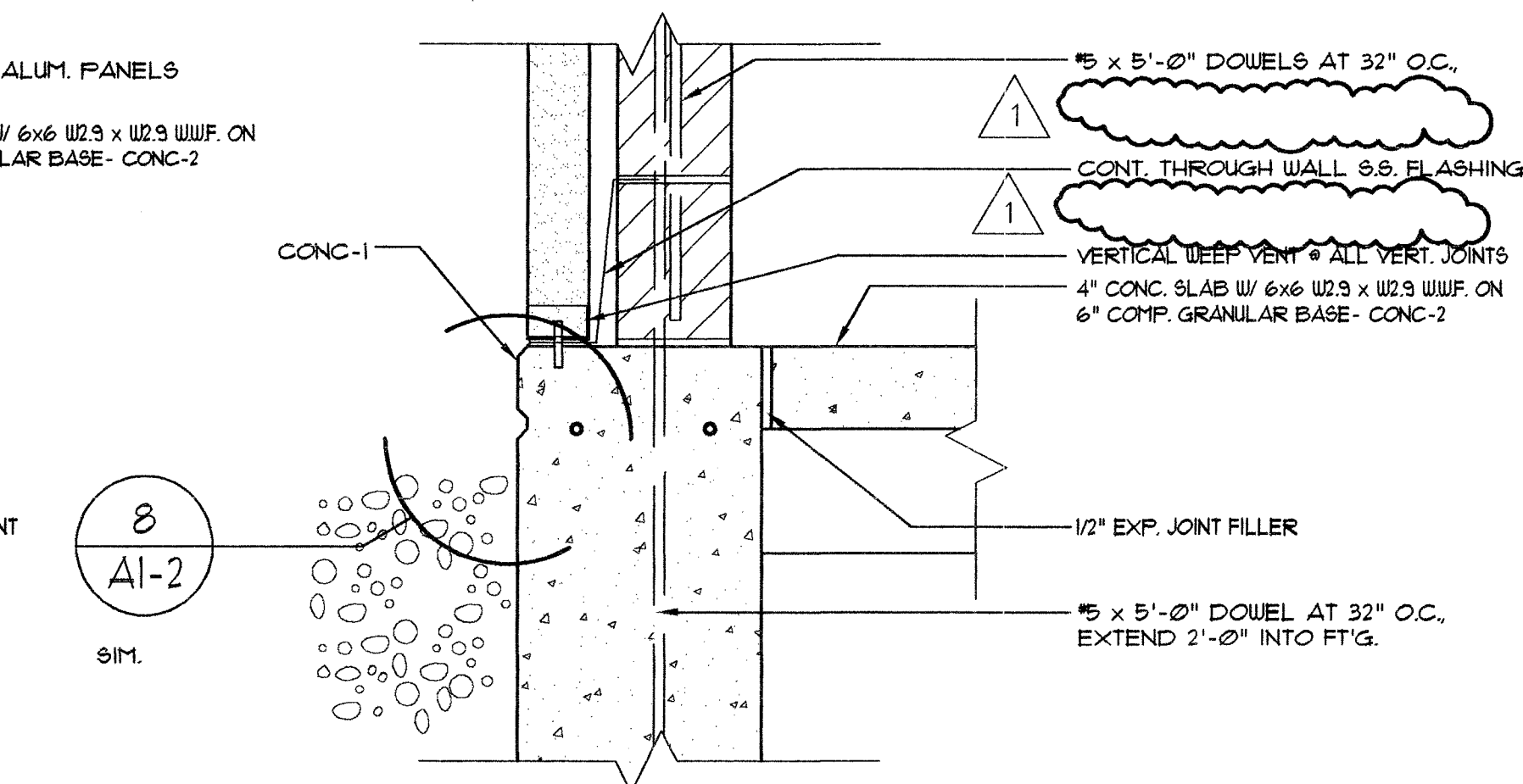
4 WALL/ROOF @ CLOSETS
Scale: 1 1/2"=1'-0"



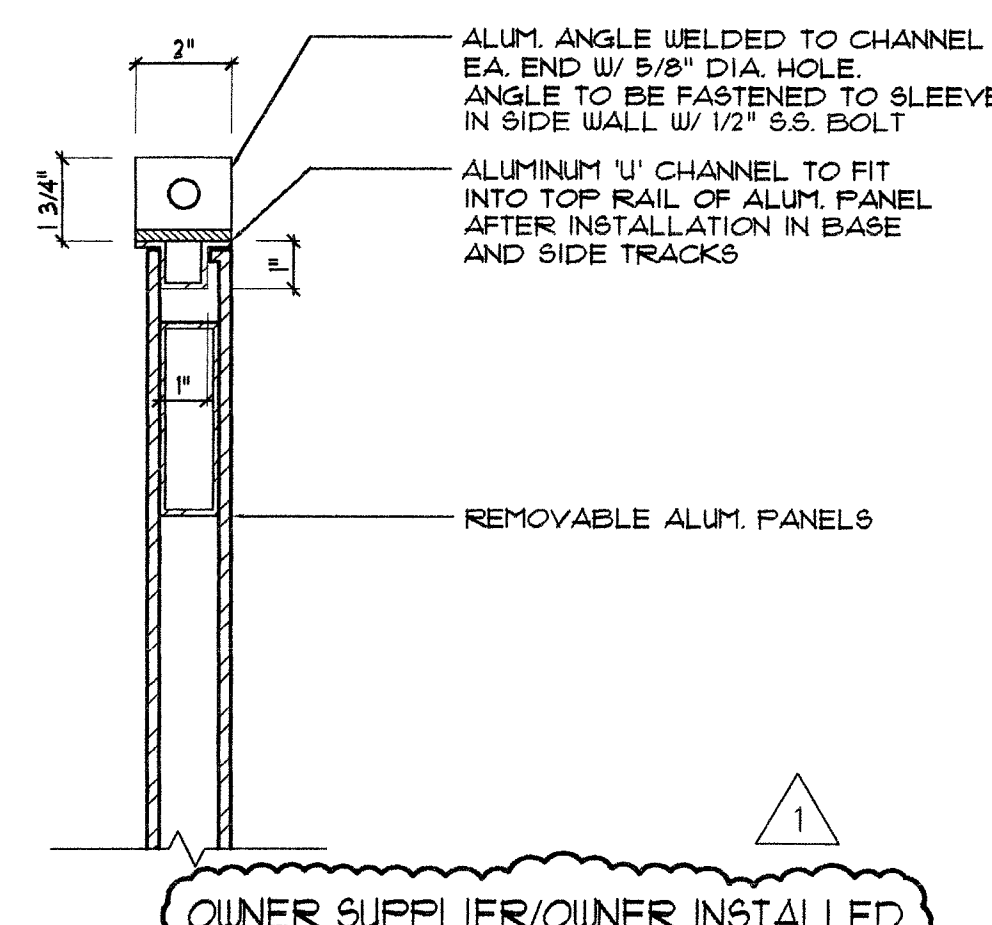
5 BASE DETAIL @ WALL
Scale: 1 1/2"=1'-0"



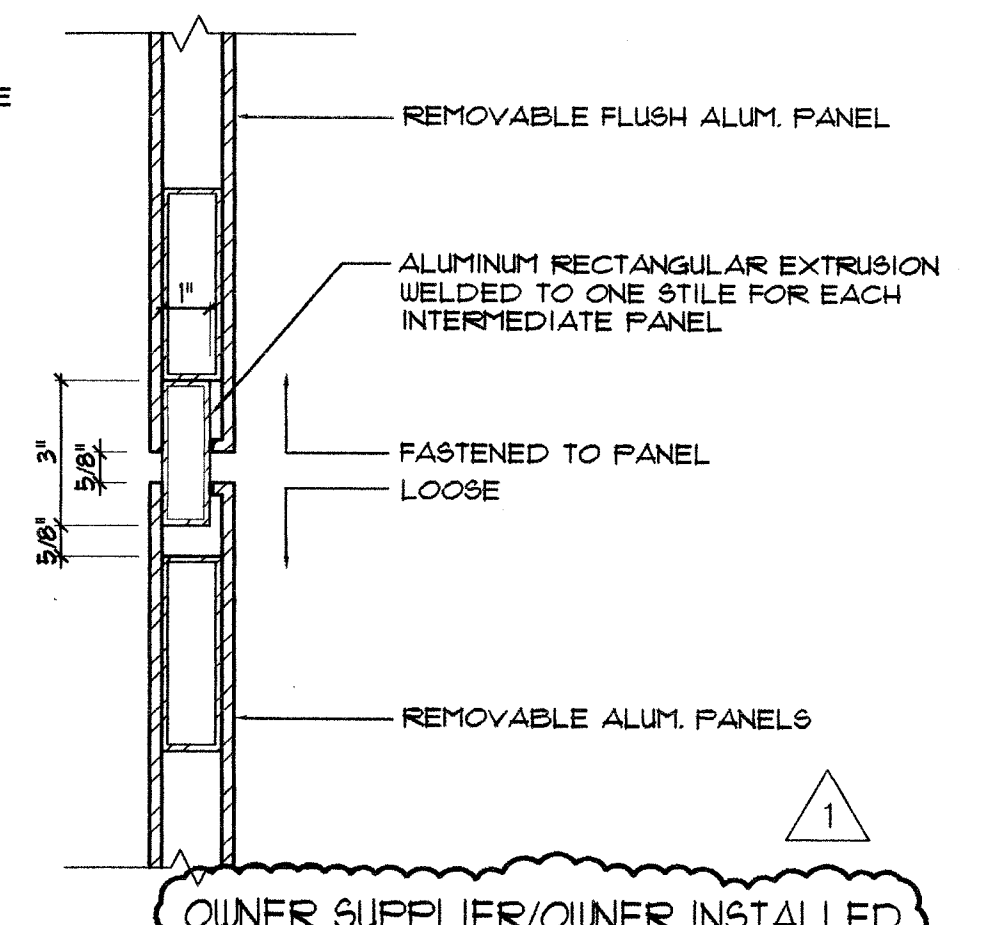
6 BASE DETAIL @ WALL
Scale: 1 1/2"=1'-0"



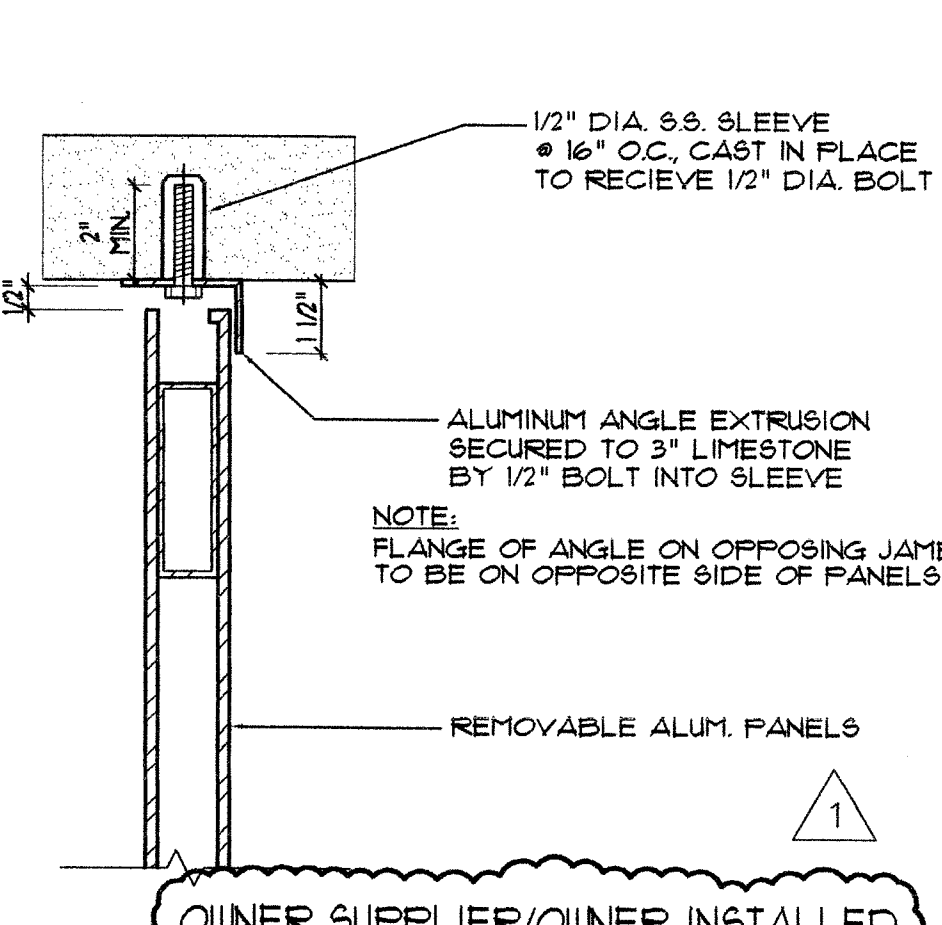
7 BASE DETAIL @ WALL
Scale: 1 1/2"=1'-0"



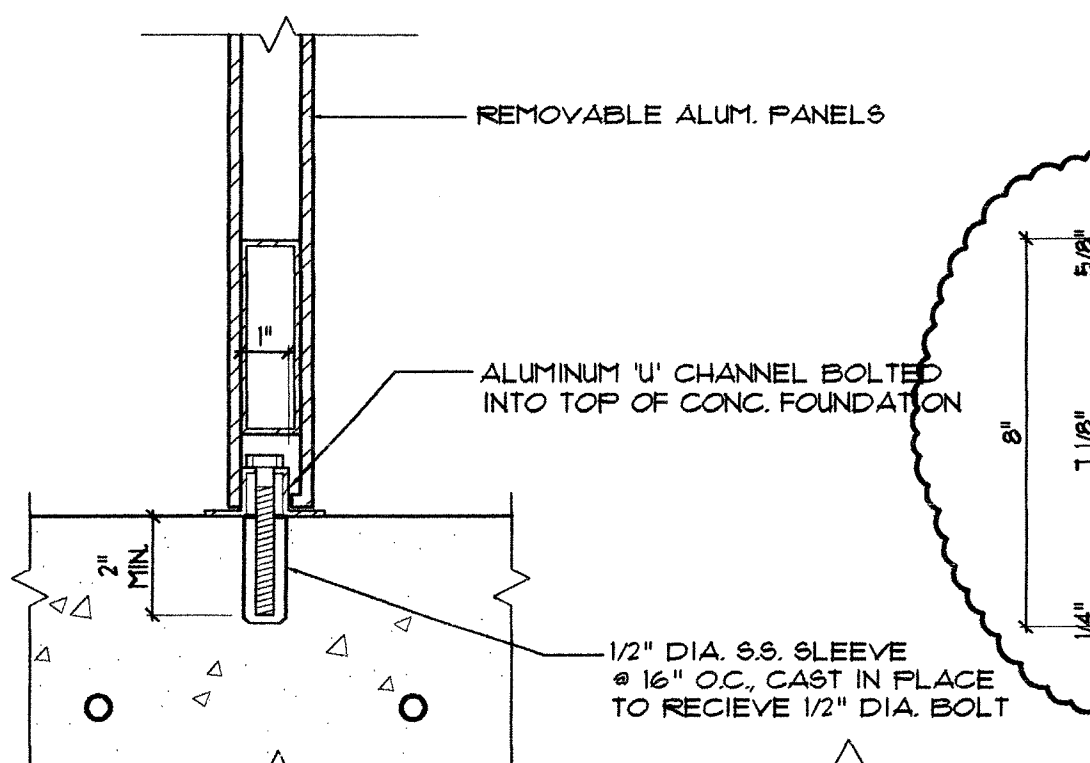
8 REMOVABLE PANEL HEAD
Scale: 3"=1'-0"



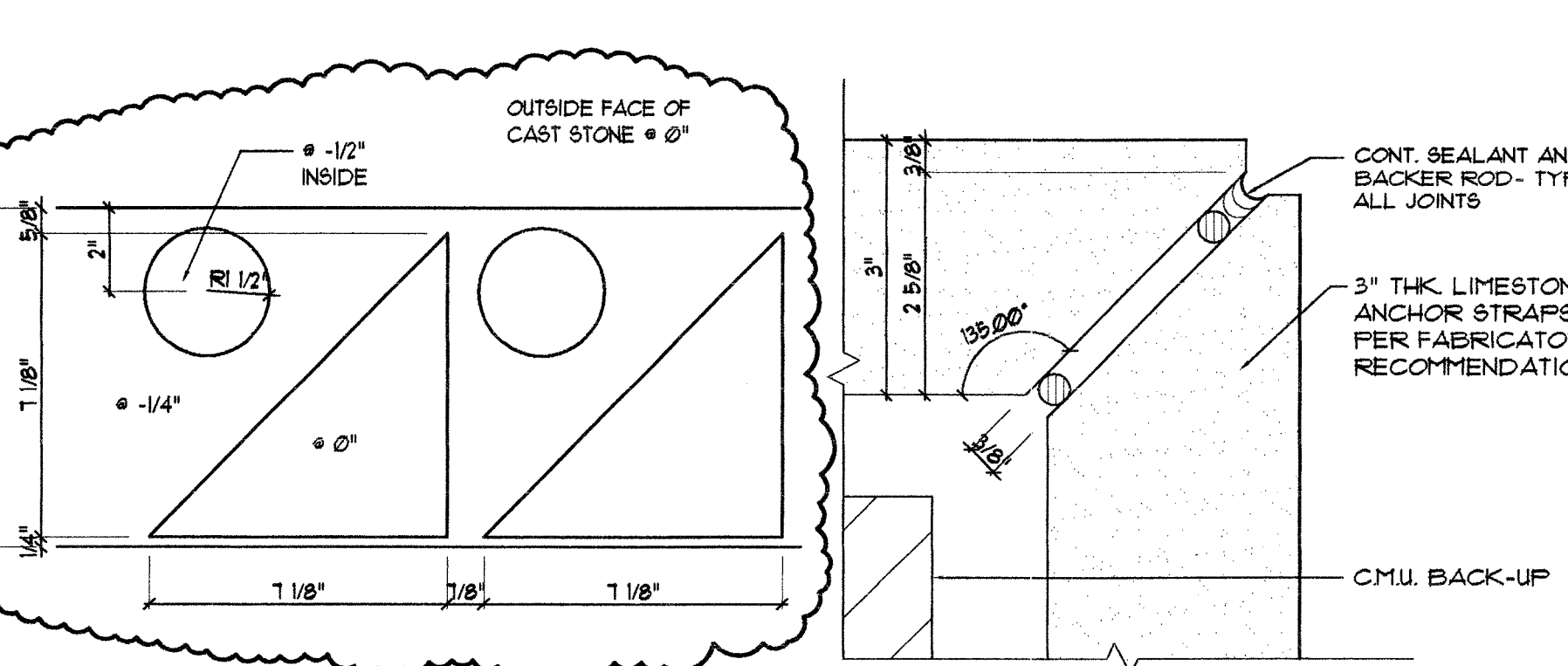
9 REMOVABLE PANEL JAMB-MIDDLE
Scale: 3"=1'-0"



10 REMOVABLE PANEL JAMB-END
Scale: 3"=1'-0"

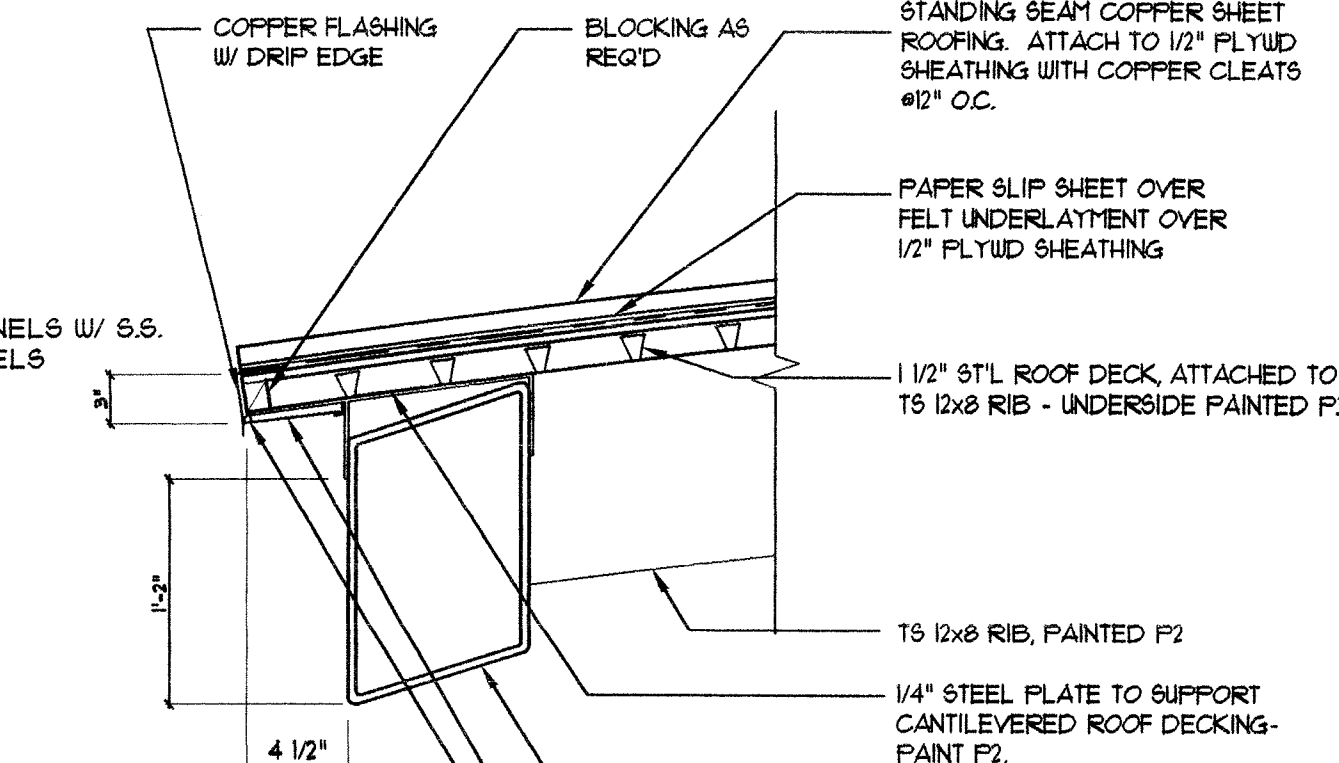


11 REMOVABLE PANEL SILL
Scale: 3"=1'-0"

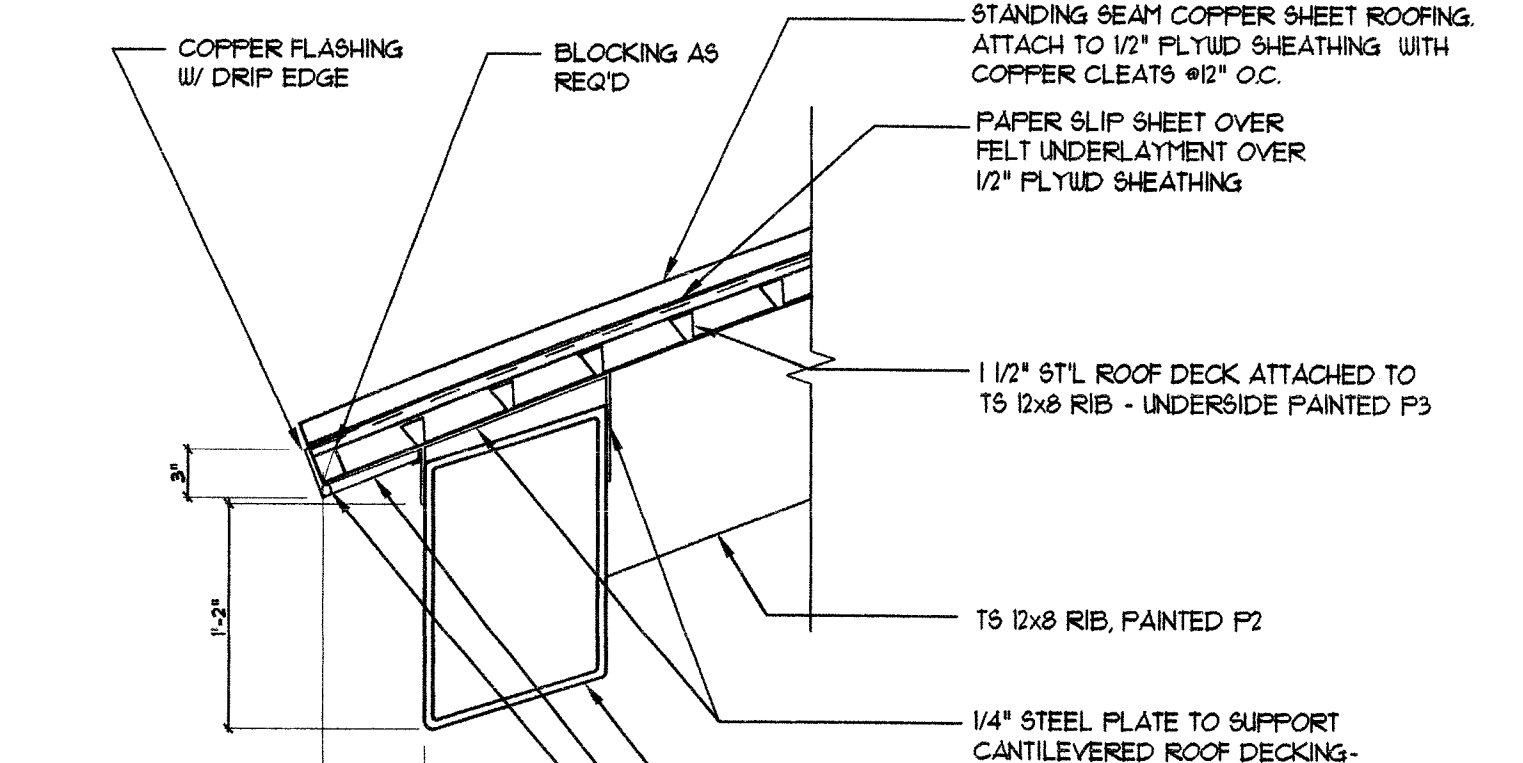


12 TYP. RELIEF DETAIL @ WALL
Scale: 3"=1'-0"

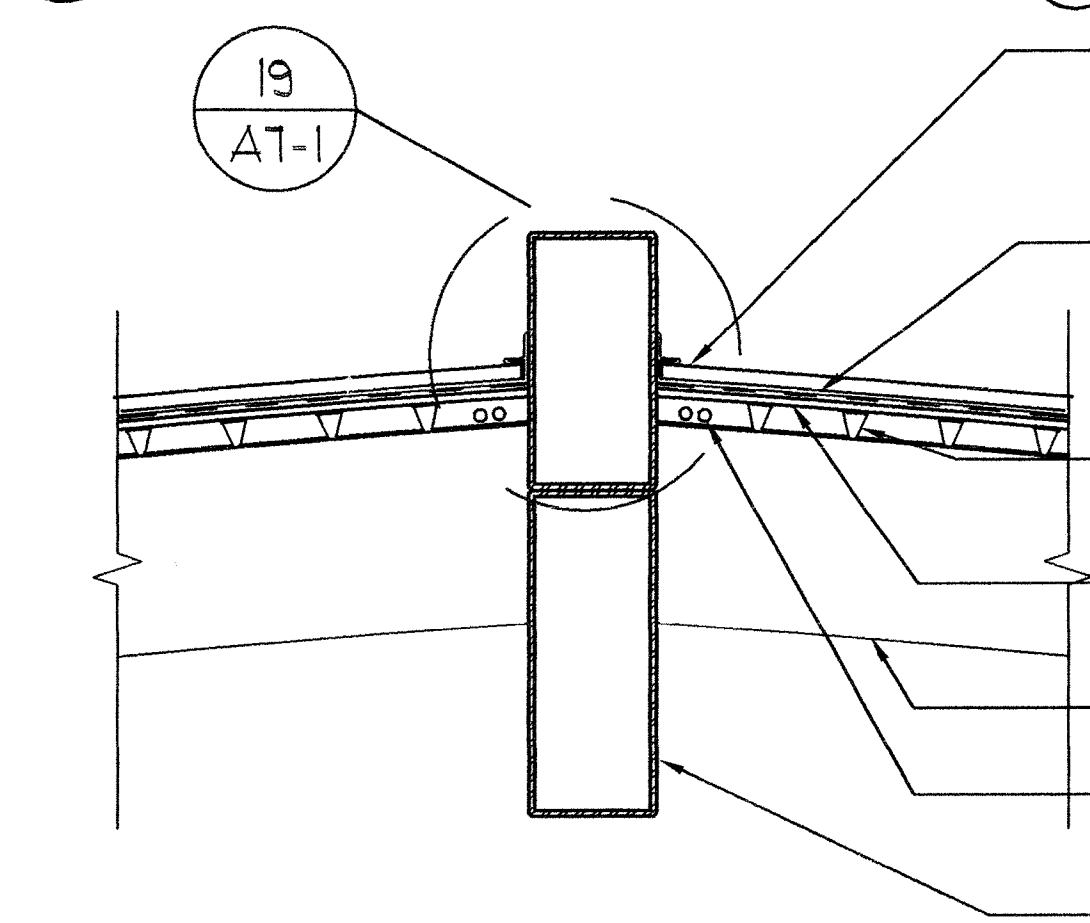
13 TYP. QUIRK DETAIL @ CORNERS
Scale: 6"=1'-0"



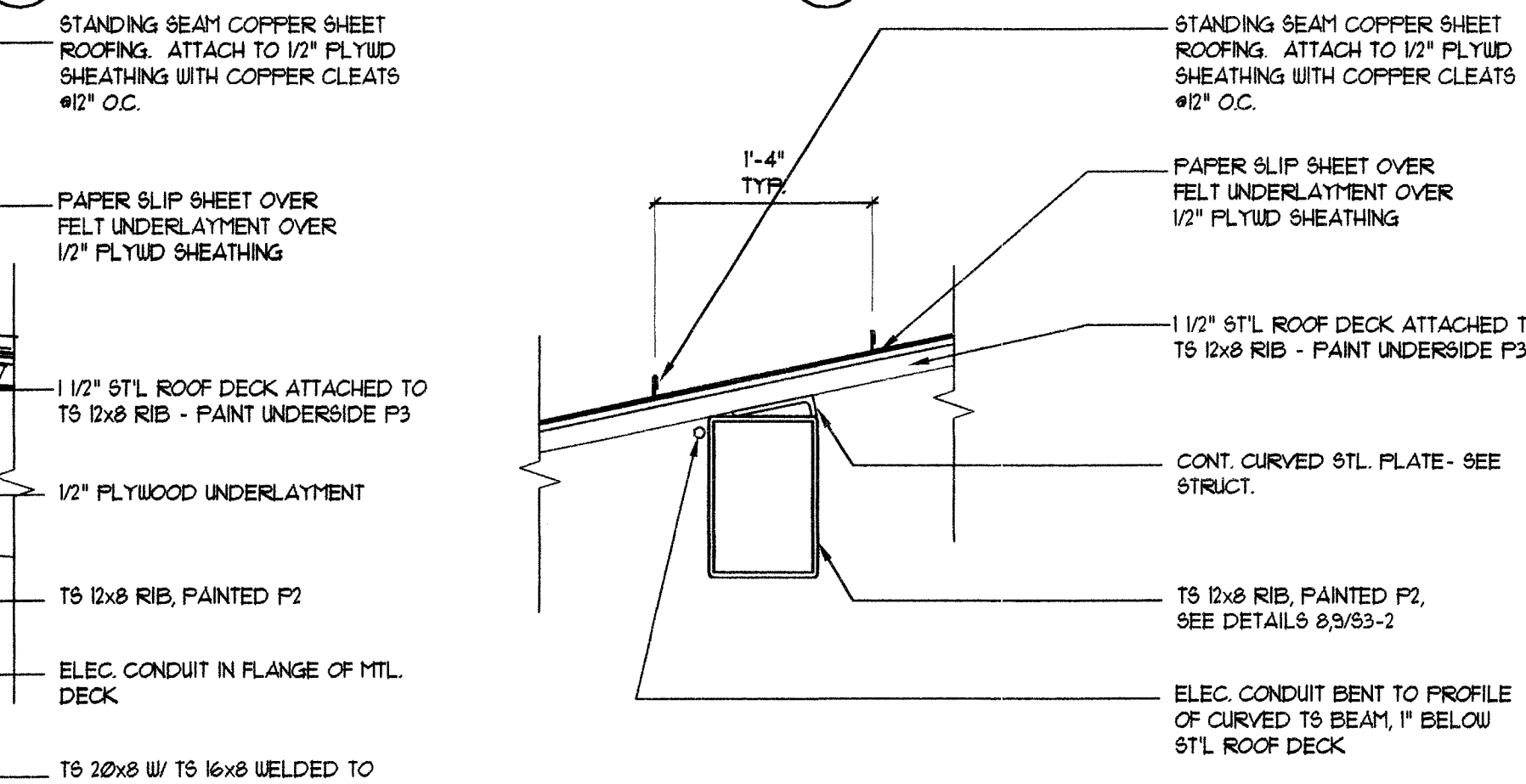
14 EAVE DETAIL-HIGH
Scale: 1"=1'-0"



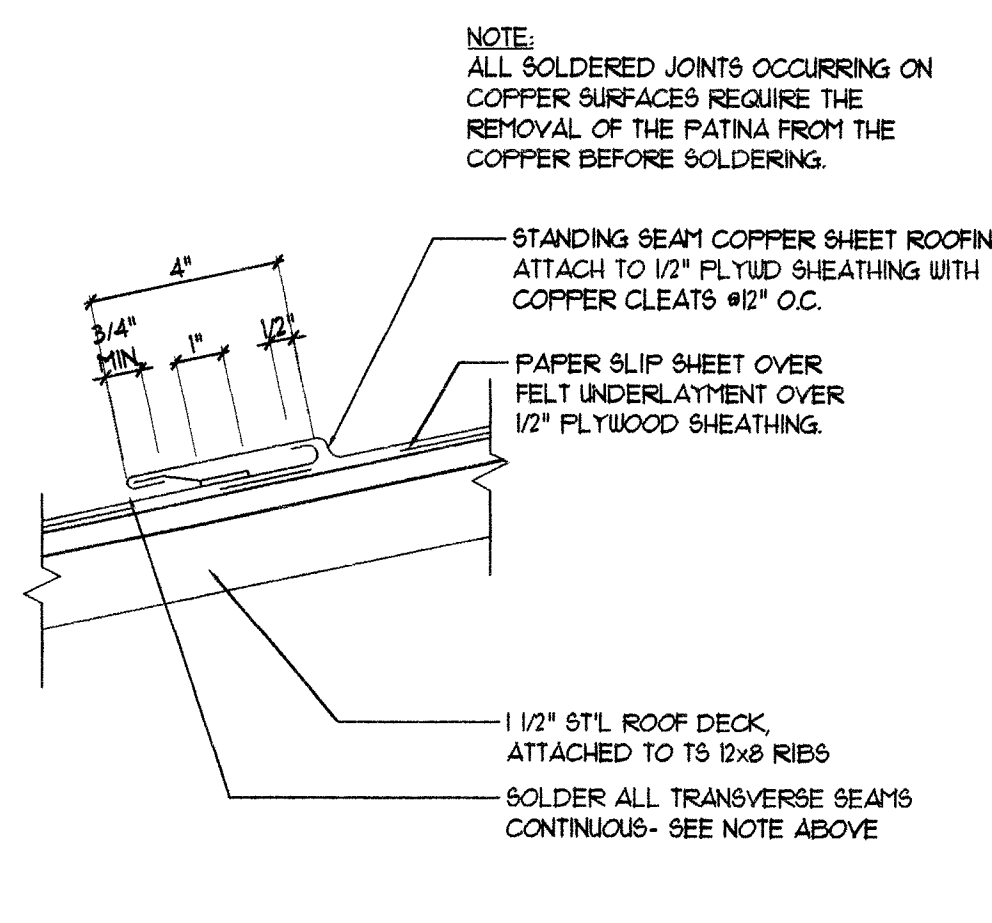
15 EAVE DETAIL-LOW
Scale: 1"=1'-0"



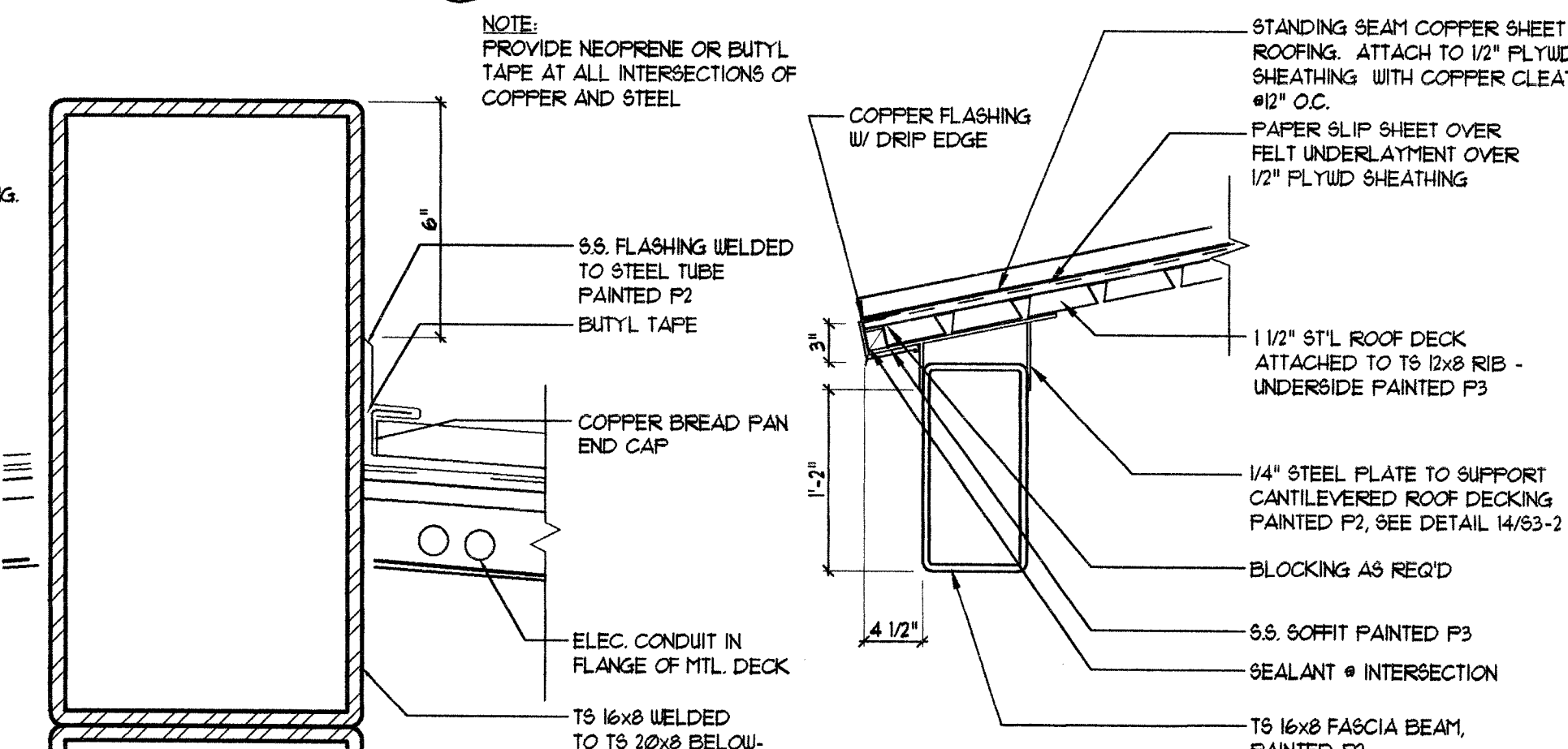
16 TYP. SPINE DETAIL
Scale: 1"=1'-0"



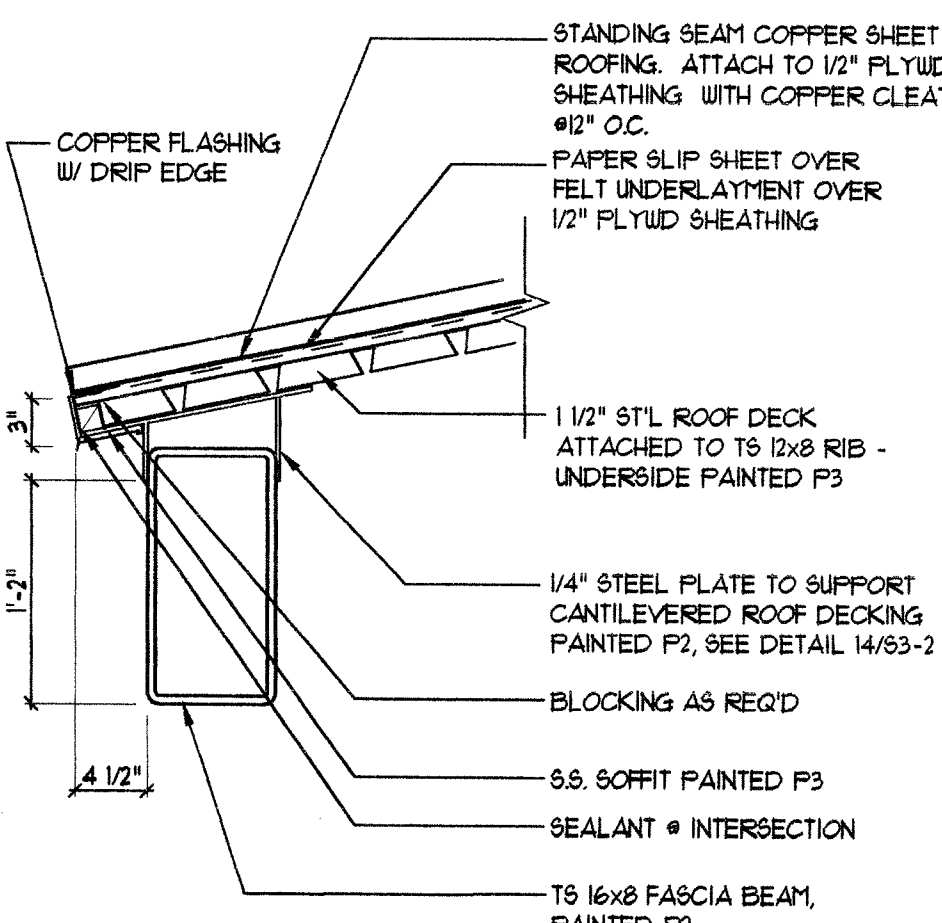
17 TYP. RIB DETAIL
Scale: 1"=1'-0"



18 TYP. TRANSVERSE ROOF SEAM
Scale: 3"=1'-0"



19 TOP OF SPINE
Scale: 3"=1'-0"



20 EAVE DETAIL-REAR
Scale: 1"=1'-0"

KALAMAZOO ROTARY STAGE
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98071

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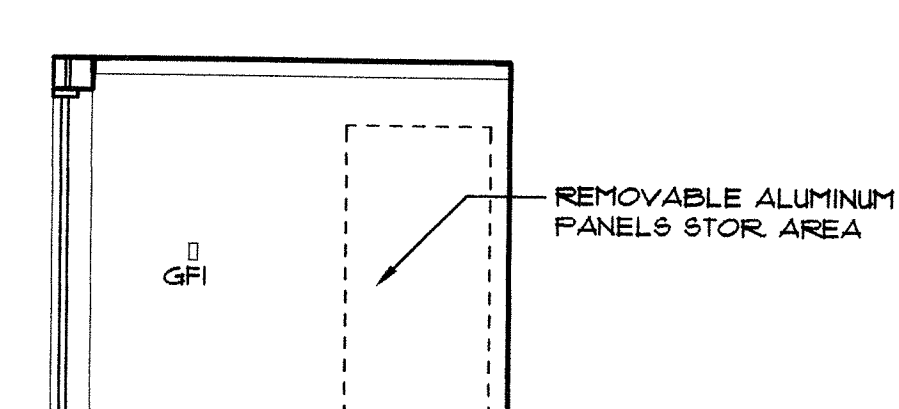
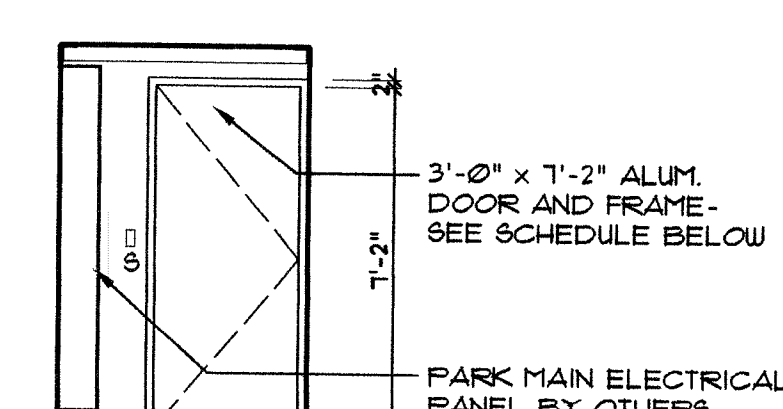
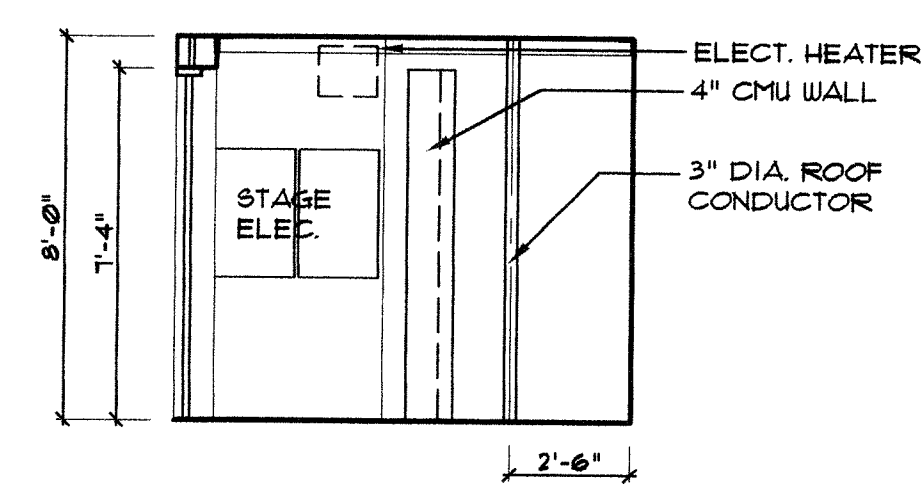
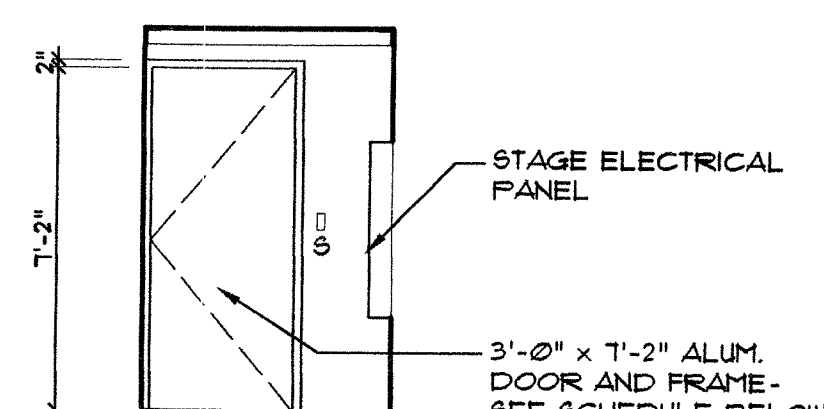
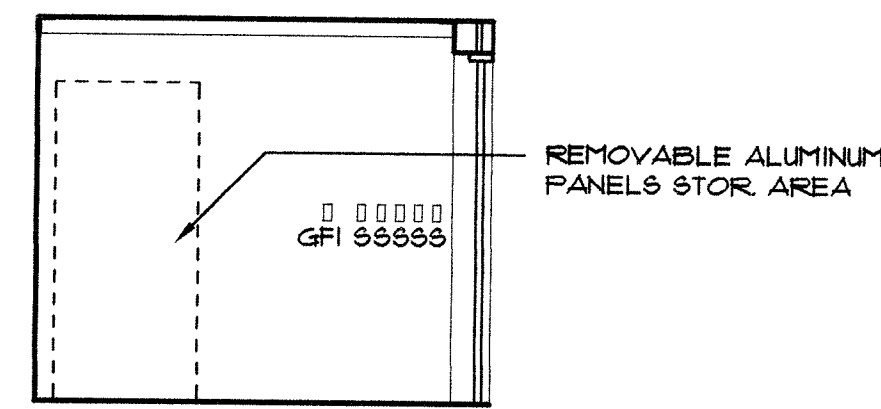
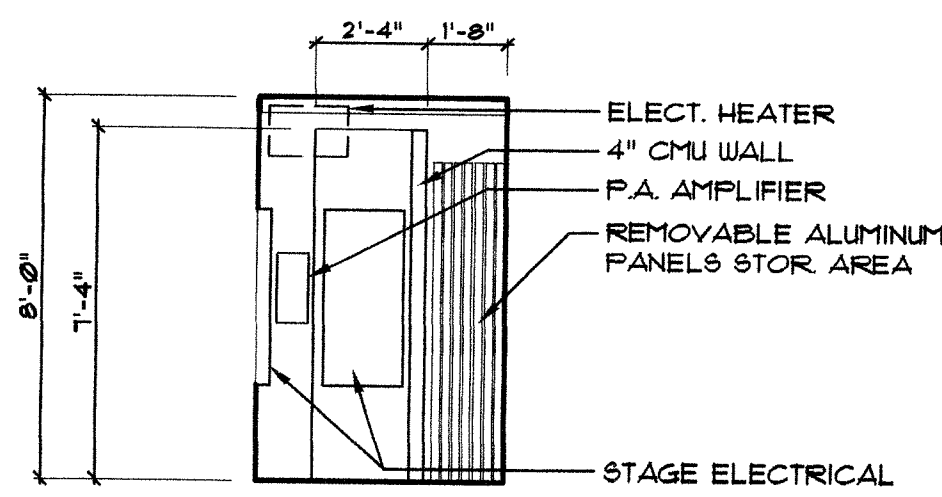
CONSULTANT TYPE (CAPS)
Consultant's Name

Eckert/Wordell
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161 E. Michigan Ave.
Kalamazoo, MI 49007
616 388 7313
616 388 7330 Fax

DETAILS

A7-1

11/18/94 0825 on C:\DWG\TDB\EV\TTLB-D



1 ELECTRICAL CLOSET 'A'
SCALE: 1/4" = 1'-0"

2 ELECTRICAL CLOSET 'A'
SCALE: 1/4" = 1'-0"

3 ELECTRICAL CLOSET 'A'
SCALE: 1/4" = 1'-0"

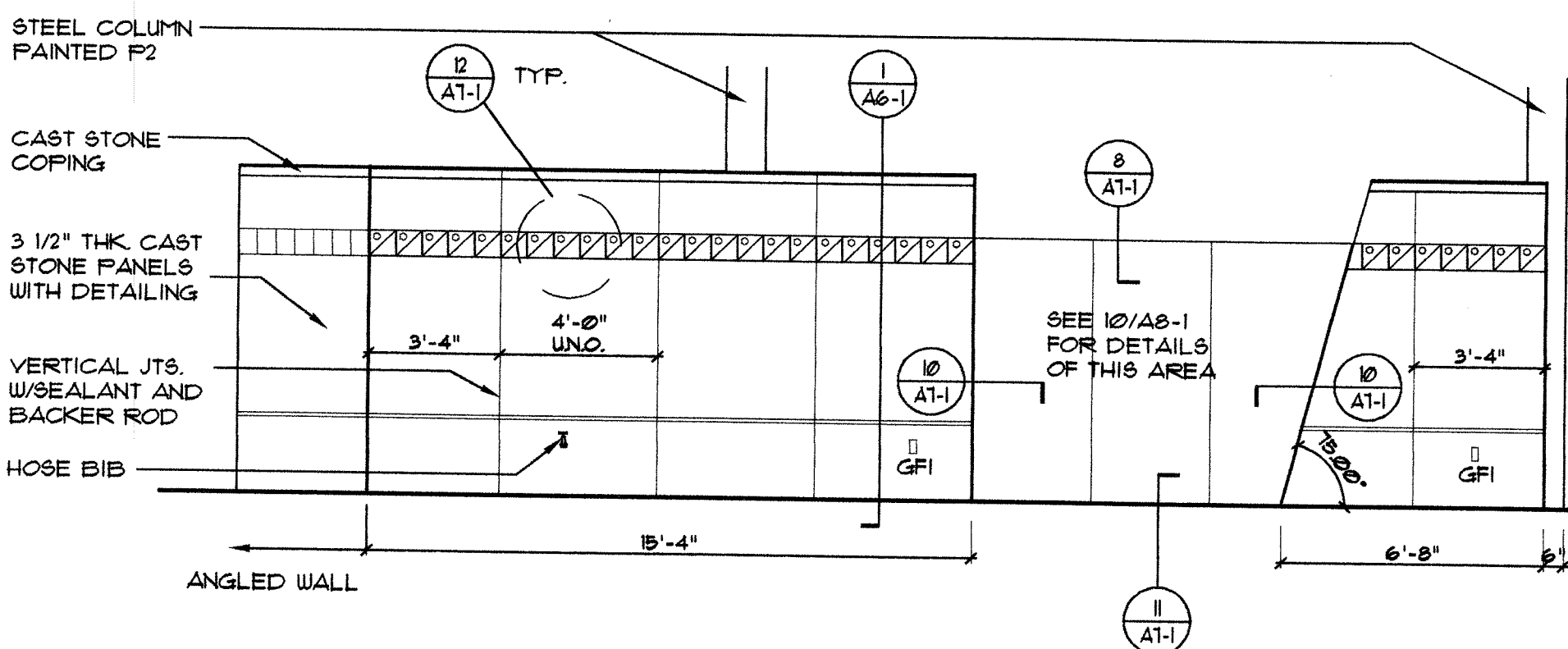
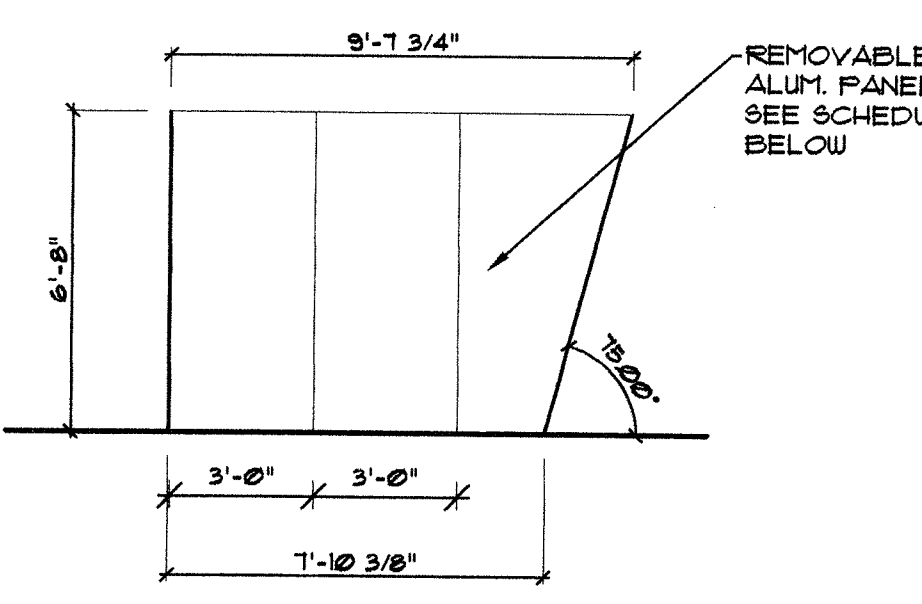
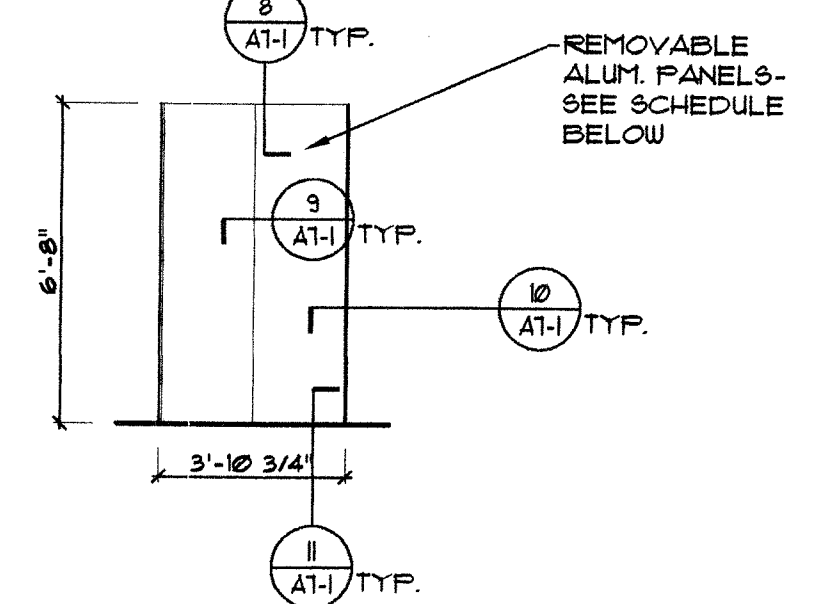
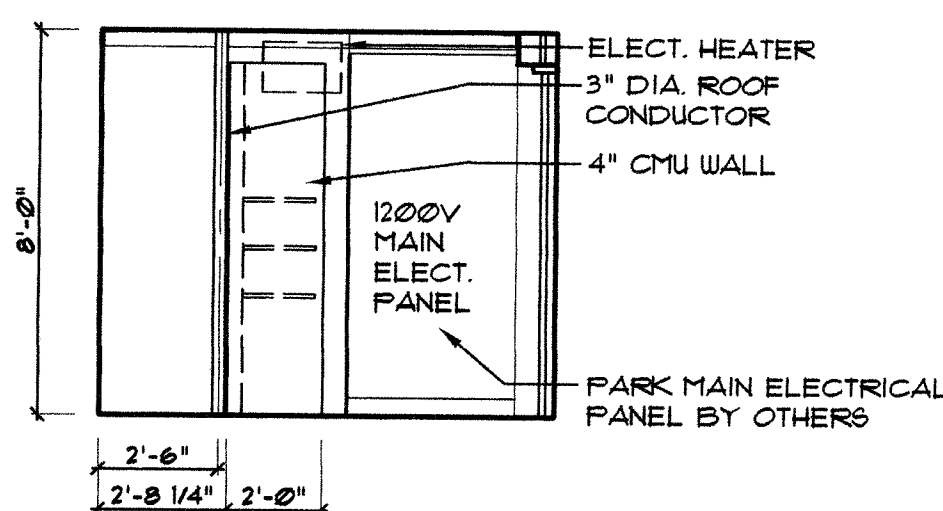
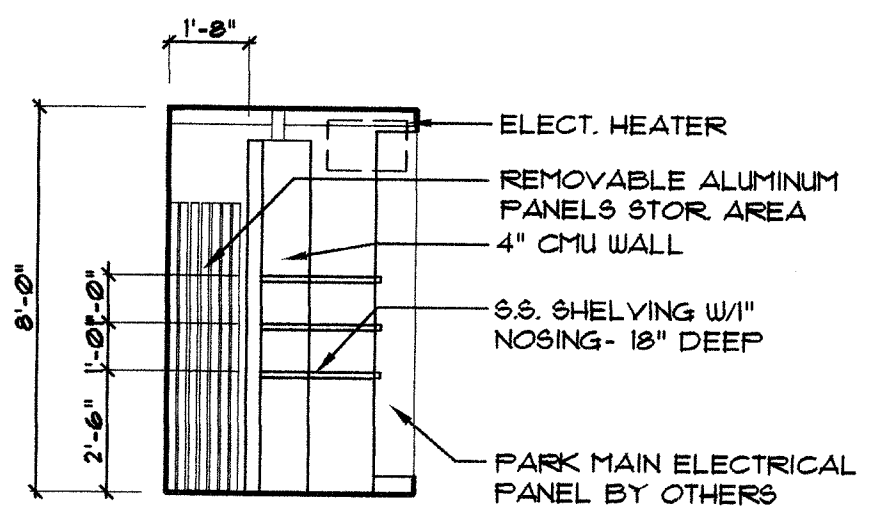
4 ELECTRICAL CLOSET 'A'
SCALE: 1/4" = 1'-0"

5 ELECTRICAL CLOSET 'B'
SCALE: 1/4" = 1'-0"

6 ELECTRICAL CLOSET 'B'
SCALE: 1/4" = 1'-0"

NOTE: OWNER SUPPLIER/OWNER INSTALLED

NOTE: OWNER SUPPLIER/OWNER INSTALLED



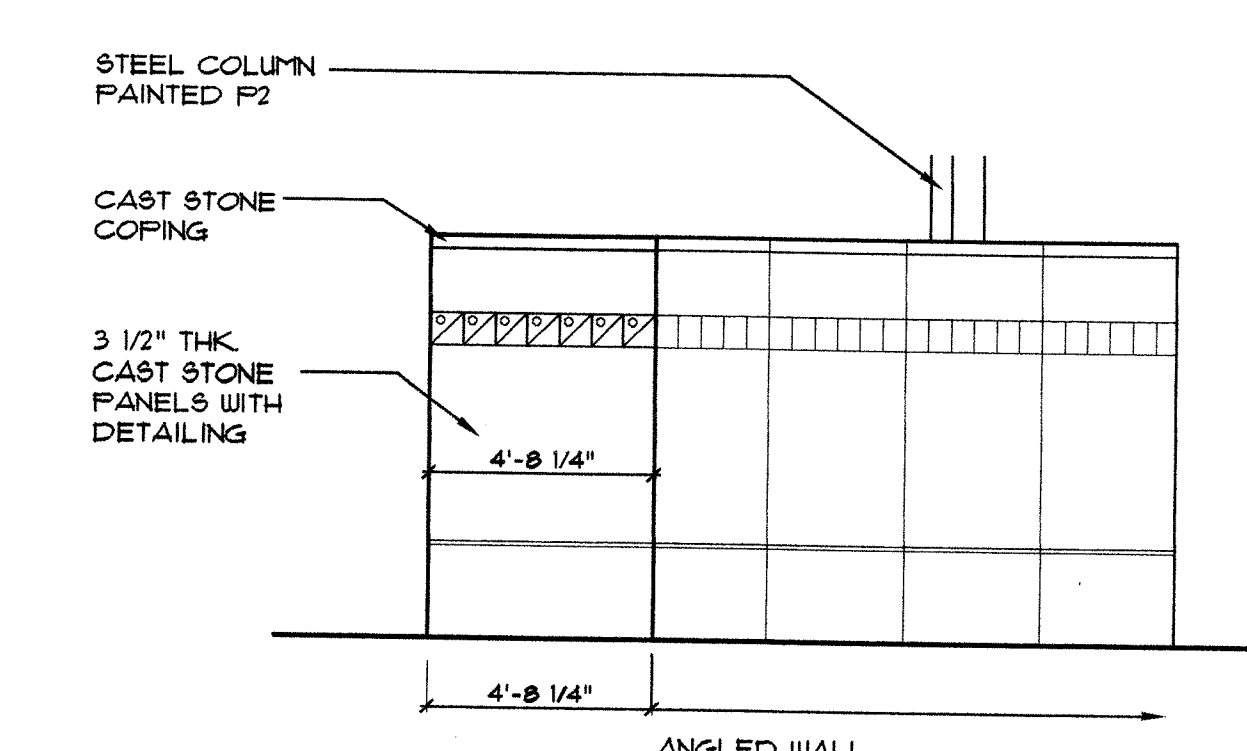
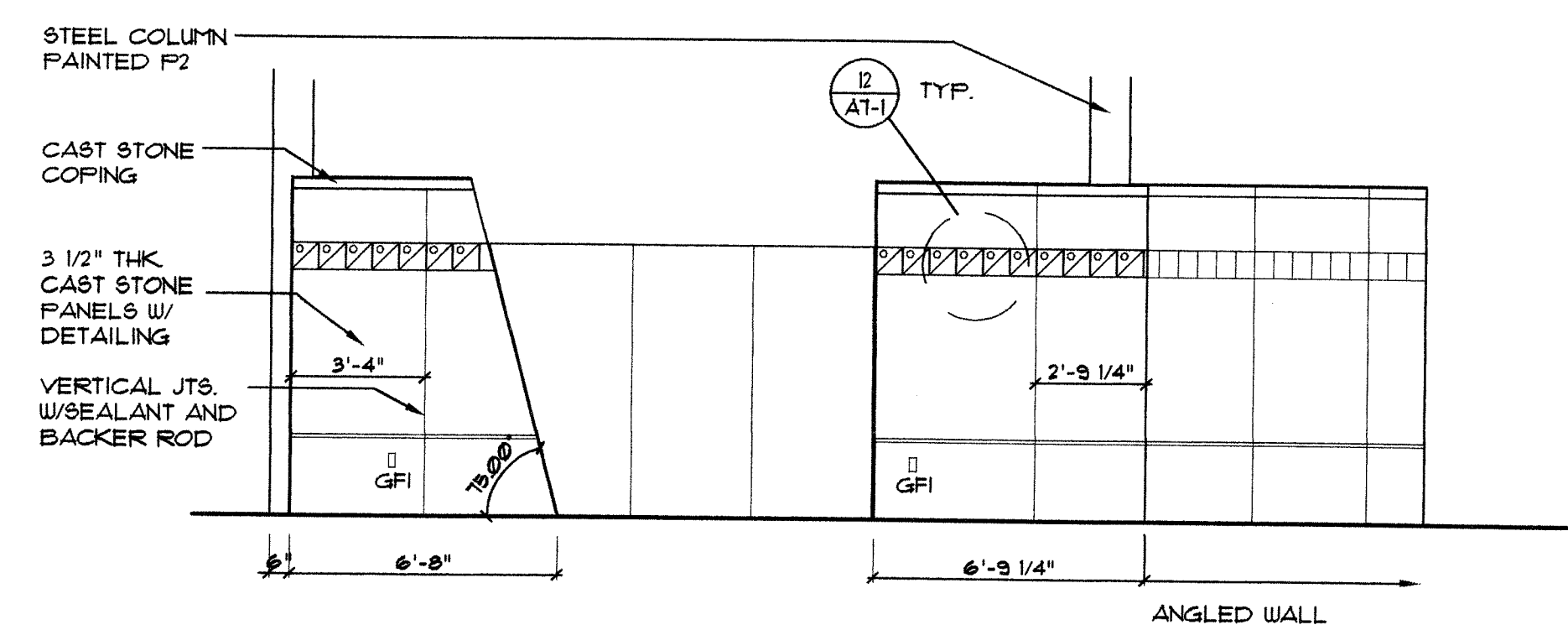
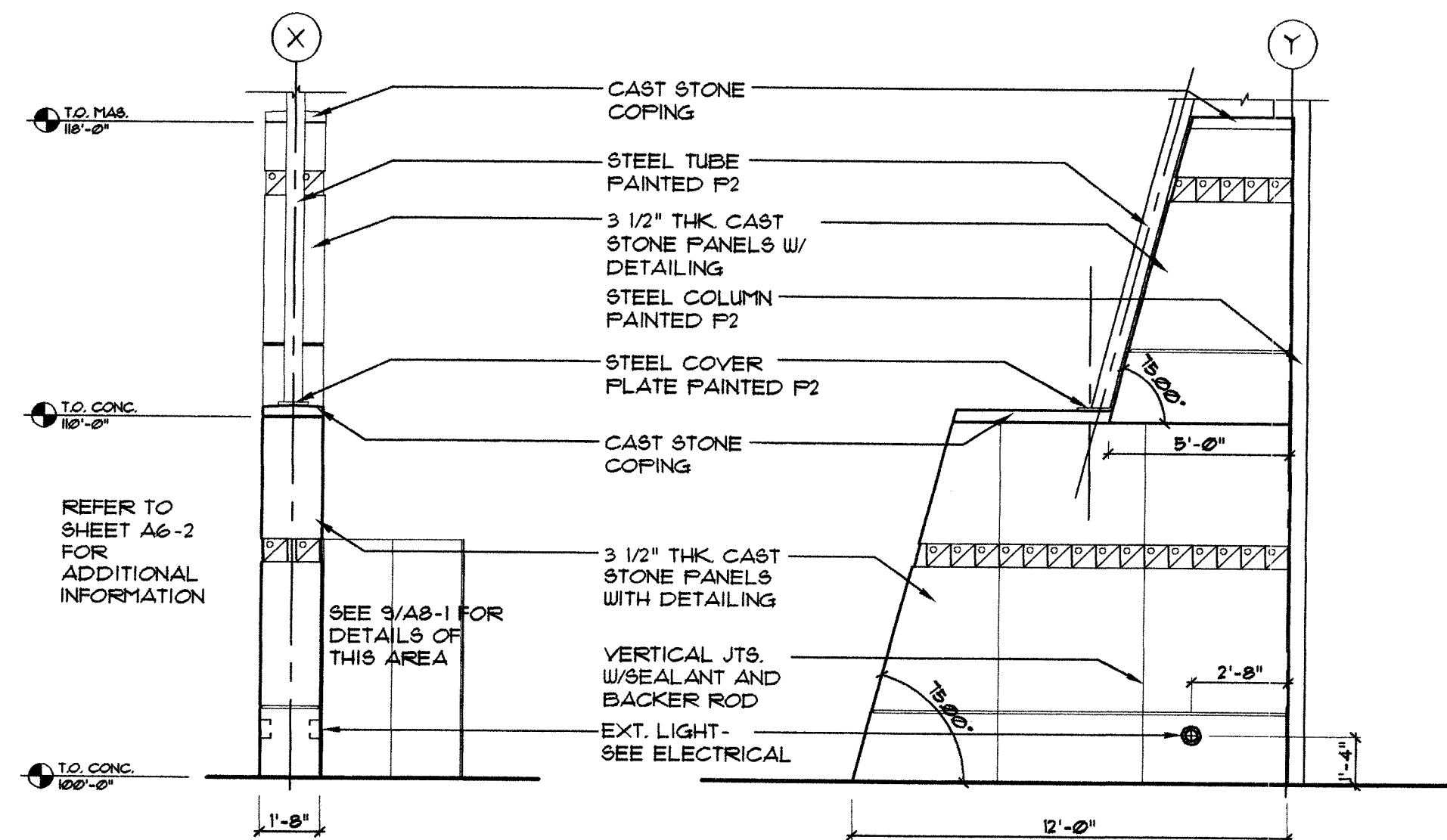
7 ELECTRICAL CLOSET 'B'
SCALE: 1/4" = 1'-0"

8 ELECTRICAL CLOSET 'B'
SCALE: 1/4" = 1'-0"

9 REAR ALUM. PANELS
SCALE: 1/4" = 1'-0"

10 SIDE ALUM. PANELS
SCALE: 1/4" = 1'-0"

11 SIDE WALL ELEVATION- OUTSIDE
SCALE: 1/4" = 1'-0"



FINISH SCHEDULE:

12 REAR OF BUTTRESS
SCALE: 1/4" = 1'-0"

13 SIDE OF BUTTRESS
SCALE: 1/4" = 1'-0"

F2 TO BE: GRAPHITE COLOR
F3 TO BE: MEDIUM GRAY COLOR
F4 TO BE: DARK GRAY COLOR
SUBMIT SAMPLES FOR ARCHITECT APPROVAL

DOOR/ INFILL PANEL SCHEDULE:

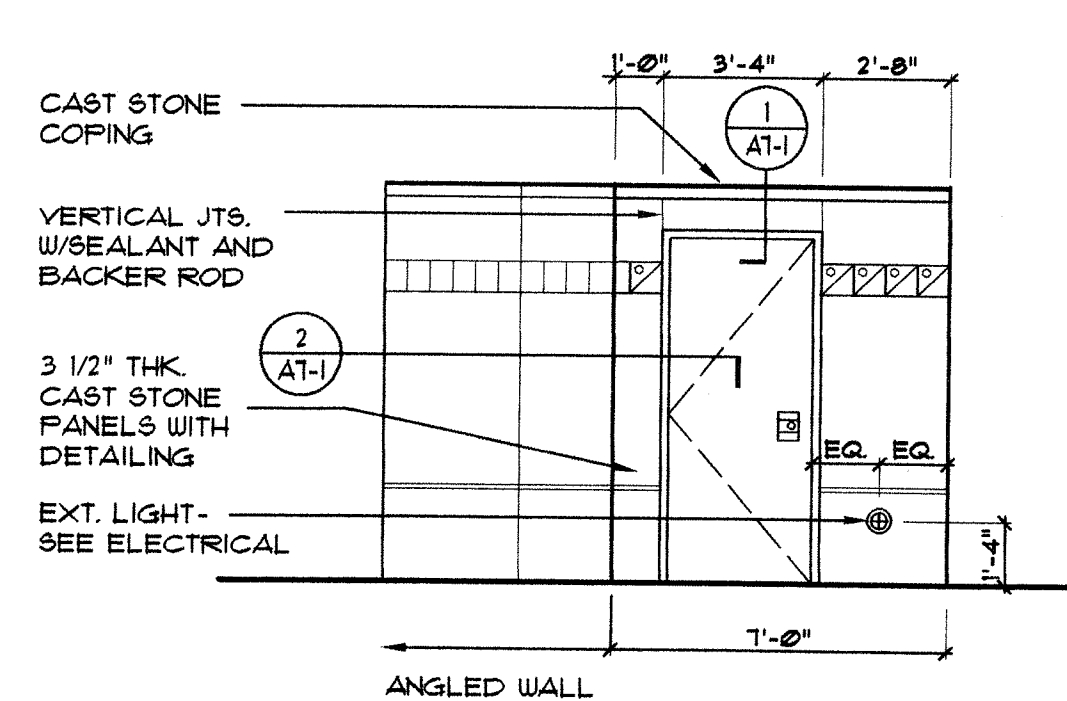
DOORS 101 AND 102 TO BE: ALL INFILL PANELS TO BE:
3'-0\"/>

HARDWARE FOR DOORS 101 AND 102 TO BE:
HEAVY DUTY CONTINUOUS GEAR HINGE: SLIHD-CLEAR 25"
WING STYLE DOOR FULL: ROCKWOOD #31 US32D
DEADBOLT LOCKING MECHANISM: ADAMS RITE #1812500
LATCH OPERATOR PADDLE: ADAMS RITE #4530
KICKDOWN: TYES #455B26D
ALUMINUM THRESHOLD: NATIONAL GUARD #413
WEATHERSTRIPPING BY DOOR MFR

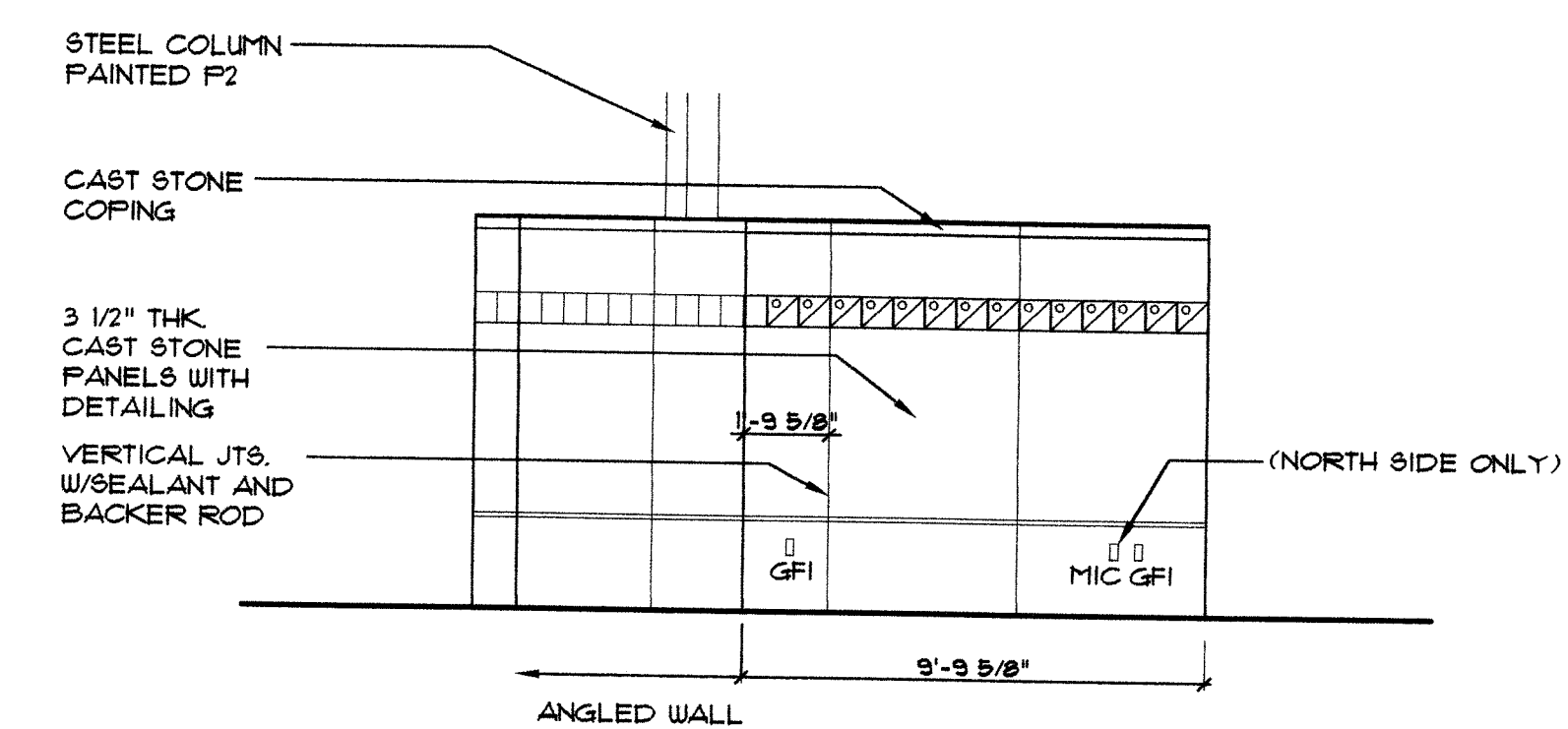
NOTE:
ALL 3\"/>

14 SIDE WALL ELEVATION- INSIDE
SCALE: 1/4" = 1'-0"

15 REAR WALL ELEVATION- OUTSIDE
SCALE: 1/4" = 1'-0"



16 WALL ELEVATION @ DOOR
SCALE: 1/4" = 1'-0"



17 REAR WALL ELEVATION- INSIDE
SCALE: 1/4" = 1'-0"

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ELEVATIONS

A8-1

ENGINEERING DATA

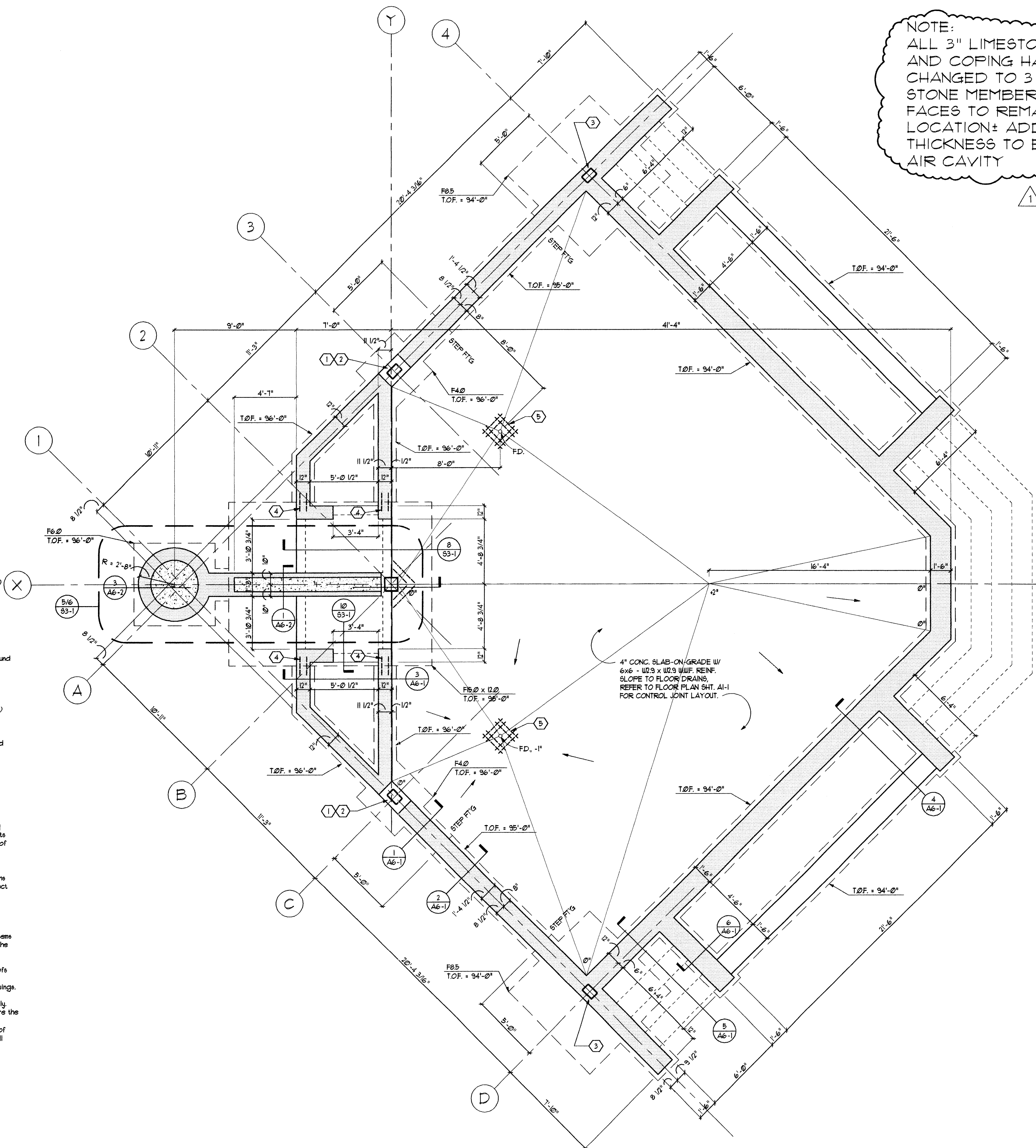
Design soil bearing pressure	3000 psf
Design stresses	
Concrete	
Foundations and grade walls	$f'_c = 3500$ psi
Grade slabs	$f'_c = 3500$ psi
Exterior slabs (6% air)	$f'_c = 4000$ psi
Reinforcing steel	$F_y = 60000$ psi
Steel	
All steel (A36)	$F_y = 36000$ psi
Tube shapes (A500)	$F_y = 46000$ psi
Structural bolts	ASTM A325
Anchor bolts	ASTM A307
Welding electrode	E70XX
Masonry	
Exterior block backup (type 3) mortar	$f'_m = 1500$ psi
Design loads	
Roof dead loads	
Roofing (Standing Seam)	2
Metal Deck	2
Structure	5
Snow load	
Ground snowload (F_g)	35 psf
Flat roof snow load (F_r)	25 psf
Snow exposure factor (C)	0.1
Snow load importance (I)	1.0
Misc Live Load	
Lighting	5 psf
Wind load	
Basic wind speed	75 mph
Wind load importance (I)	1.0
Wind exposure	B
Wind design pressure (P) (psf)	30 psf
Roof uplift	30 psf net
Design Codes	
General Building Code	BOCA 1996
Concrete	ACI 318-95
Steel	AISC 9th Ed - ASD
Masonry	ACI 530-95/ASCE 5-95

CONCRETE MIX GUIDELINES

Footings	
f'_c	3500 psi
Cementitious Material (min)	410 lbs/cyd
Slump	4 inch cor-1 inch
Large Aggregate	1 inch
Foundation Walls (CONC-1 and CONC-3)	
f'_c	5000 psi
Cementitious Material (min)	611 lbs/cyd
Slump	4 inch cor-1 inch
Large Aggregate	not to exceed 3/8 inch (peastone)
Air	6% cor-1%
Slabs	
f'_c	3500 psi
Cementitious Material (min)	410 lbs/cyd
Slump	3 inch cor-1 inch
Large Aggregate	3/4 inch
Exterior Slabs and Walks (CONC-2)	
f'_c	4000 psi
Cementitious Material (min)	564 lbs/cyd
Slump	3 inch cor-1 inch
Large Aggregate	3/4 inch (Crushed Limestone)
Air	6% cor-1%

* In footings and foundation concrete 20% flyash or 30% blast furnace slag is acceptable. 20% flyash or 30% ground blast furnace slag is recommended for slabs.

- GENERAL**
- Elevations given on the foundation plan are to the top of footing.
 - Coordinate placement of anchor bolts with foundation reinforcing. All anchor bolts will be furnished by the steel fabricator and installed by the foundation contractor using templates and setting drawings. No tilted or misplaced bolts will be accepted. Notify Architect/Engineer for approval of any corrective action.
 - All work shall be performed in accordance with the specifications and the contract drawings. Prior to implementation, any discrepancies between the specifications and the contract drawings shall be reported to the architect for clarification.
 - In the event that certain details of construction are not indicated or noted in the drawings, details for similar conditions that are indicated or noted shall be utilized, subject to the structural engineer's approval.
 - Openings and penetrations through structural elements, and items embedded in structural elements that are not indicated in the structural drawings shall be reviewed by the structural engineer prior to fabrication, erection and/or construction.
 - Materials or equipment shall not be placed on unfinished roofs in excess of 20 psf nor on finished roofs in excess of the design live loads which are indicated in the structural drawings. Impact loading shall be avoided.
 - The structure has been designed for the in-service loads only. The methods, procedures and sequences of construction are the responsibility of the contractor. Contractor shall take all necessary precautions to maintain and ensure the integrity of the structure at all stages of construction. Contractor shall immediately notify the structural engineer of any condition which, in his opinion, might endanger the stability of the structure or cause distress in the structure.
 - Mock-up panel of concrete shall be approved before any pouring of foundations occurs. See detail 5/A0-1.



NOTE:
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- REINFORCED MASONRY NOTES**
- Reinforced masonry shall have a minimum compressive strength (f'_m) of 1500 psi. Masonry units shall be normal or medium weight block conforming to ASTM C90, Type I. Mortar shall conform to ASTM C270, Type S. Grout shall conform to ASTM C416 and shall have a minimum strength of 2000 psi.
 - Reinforcing bars shall conform to ASTM A615, Grade 60, unless noted.
 - Continuous wire reinforcing (joint reinforcing) shall be galvanized ladder type fabricated units with a single pair of 9 gage side rods and 9 gage cross rods at 16" o.c. fabricated from cold drawn steel wire complying with ASTM A82. Horizontal joint reinforcing shall be spaced at 16" o.c. in all masonry walls and shall be lapped 8", unless noted otherwise on the drawings.
 - See architectural drawings for locations of vertical control joints and horizontal bond beams. Joint reinforcing shall be stopped either side of vertical control joints.
 - All reinforced cells shall be grouted solid.
 - When a foundation dowel does not line up with a vertical block core it shall not be sloped more than 1 horizontal in 6 vertical. Dowels may be grouted into a cell adjacent to the vertical wall reinforcing.
 - Reinforcing shall be secured in place before grouting starts.
 - Spliced reinforcing shall be lapped 48 bar diameters or 24 inches, whichever is greater.
 - Vertical bars shall be held in position at top and bottom and at intervals not exceeding 200 diameters of the reinforcing bar.
 - Vertical reinforcing bars shall have a minimum clearance of 3/4 of an inch from the masonry and not less than one bar diameter between bars.
 - Vertical cells that will be grouted shall have a vertical alignment to maintain a continuous unobstructed cell area not less than 3" x 4".
 - If high lift grouting is selected, view ports shall be provided at the base of each grouted cell and at intervals as prescribed by ACI 530-95.
 - Consolidate grout lifts by mechanical means or puddling. Grout lifts higher than 12" shall be re-consolidated by mechanical means after initial water loss.
 - Grouting shall be stopped 1/2 inches below the top of a course so as to form a key at the joint.
 - All bolts, anchors, etc. inserted into the walls shall be grouted solidly into position.
 - Bond beams are intended to be open-cell with "Dur-O-Stop" or equivalent grout stop below. Vertical reinforcing shall extend through or into bond beam. All bond beams shall be filled with grout.
 - Masonry has been designed and shall be built in conformance to ACI 530-95 (Building Code Requirements for Masonry Structures) and ACI 530.1-95 (Specifications for Masonry Structures).

- CONCRETE**
- Fill material shall be thoroughly compacted prior to placement of concrete. There shall be a minimum of 6" of clean sand under all slabs on grade.
 - All slabs on grade shall have contraction or construction joints at a maximum spacing in feet of three times the slab thickness in inches each way, except as noted on the drawings. Maintain an aspect ratio of not more than 15.
 - Lap continuous wall reinforcing 44 diameters unless otherwise noted. Provide corner bars for horizontal reinforcing. Provide dowels from footing equal in size and number to vertical wall or pier reinforcing.
 - Cover for reinforcing shall be in accordance with ACI-318.
 - All exposed edges of concrete piers, beams, and walls shall be chamfered 1/2" x 45 degrees.
 - Grade beams and walls that retain earth on both sides shall be backfilled on both sides simultaneously.
 - Do not backfill earth retaining walls until concrete has reached its (28 day) strength, and all bracing elements are in place (lower and upper floors).
 - Refer to Sheets AI-1, A6-1, and A6-2 for Conc. Type locations.

- STEEL**
- Erector is to provide temporary bracing sufficient to hold frame in position until all construction necessary for building stability is complete.
 - Unless shown otherwise on the plans, provide lintels for masonry walls as follows:
For 6" walls:
2L 1/2x2 1/2x5/16, spans to 6'0"
For each 4" of wall thickness:
1L 1/2x3 1/2x1/4, spans to 4'0"
1L 4x3 1/2x5/16, spans to 6'0"
1L 5x3 1/2x5/16, spans to 8'0"
 - Lintel bearing on concrete and masonry wall shall be 8" unless otherwise shown. Provide beam bearing plates and wall anchors as required.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F40	4'-0" x 4'-0" x 12"	(4) #5 BARS EACH WAY, BOTTOM, 3" CLEAR BOTTOM & SIDE COVER
F60	6'-0" x 6'-0" x 12"	(6) #6 BARS EACH WAY, BOTTOM, 3" CLEAR BOTTOM & SIDE COVER
F85	8'-6" x 8'-6" x 3'-0"	(8) #8 BARS EACH WAY, TOP & BOTT, 3" CLEAR BOTTOM & SIDE COVER
FB5 x 120	15'-0" x 12'-0" x 6'-0"	#6 BARS AT 12" O.C. EACH WAY, TOP & BOTT, 3" CLEAR BOTTOM & SIDE COVER

- FOUNDATION PLAN KEYNOTES**
- PROVIDE 16 1/2" x 24" FOUNDATION POCKET FOR COLUMN BEARING PLATE, T.O. POCKET = 93'-8". FILL POCKET W/ CONC. AFTER COLUMN INSTALLATION, MATCH AND ALIGN W/ PERIMETER CHAMFERED REVEAL.
 - 16 1/2" x 24" FLUSH WALL PIER W/ (8) #6 BARS VERT. AND #3 TIES AT 12" O.C. HORIZ. GROUP TOP (8) AT 3". T.O. PIER = 100'-0". REFER TO DETAIL 2/53-1
 - 16 1/2" x 24" FLUSH WALL PIER W/ (6) #6 BARS VERT. AND #3 TIES AT 12" O.C. HORIZ. GROUP TOP (4) AT 3". T.O. PIER = 100'-0". REFER TO DETAIL 1/53-1
 - (2) #5 DOUELS AT FOOTINGS
 - (2) #5 BARS x 24" - 4 SIDES

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

KALAMAZOO ROTARY STAGE
Kalamazoo, Michigan
Bronson Park
98071

3/15/93 ISSUED FOR BID
3/20/93 ADDENDUM #1
5/1/93 RE-ISSUED FOR POST-BID ADDENDUM

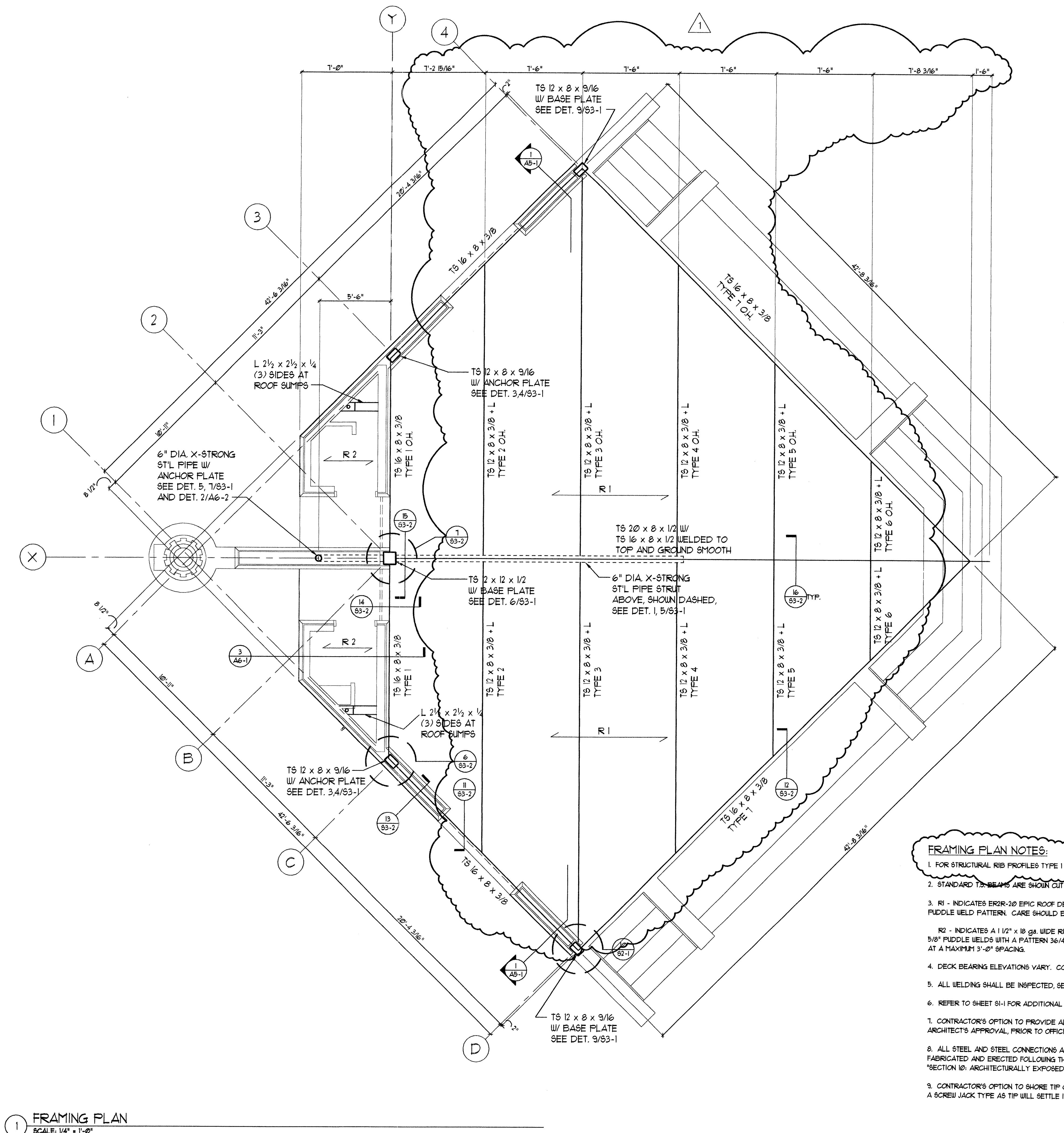
Structural Engineers
JDH Engineering
Mechanical and Electrical Engineers
Engineering Plus, Inc.

Eckert/Wordell Architects
161 E. Michigan Ave.
Kalamazoo, MI 49007
616 388 7313
616 388 7330 Fax

FOUNDATION PLAN

11/18/94 08:55 on C:\DWG\TDD\NEW\TTLB-D

11/18/94 0825 on CADWG\TDD\VIEW\TLB-D



NOTE:
 ALL 3" LIMESTONE PANELS
 AND COPING HAVE BEEN
 CHANGED TO 3 1/2" CAST
 STONE MEMBERS. EXTERIOR
 FACES TO REMAIN IN SAME
 LOCATION± ADDITIONAL 1/2"
 THICKNESS TO EXTEND INTO
 AIR CAVITY

KALAMAZOO ROTARY STAGE
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- FRAMING PLAN NOTES:**
- FOR STRUCTURAL RIB PROFILES TYPE 1 THRU TYPE 7 SEE SHEET 83-3
 - STANDARD T&S BEAMS ARE SHOWN CUT ON AN OBLIQUE ANGLE IN DETAILS 11 & 12/83-2
 - R1 - INDICATES ERZR-20 EPIC ROOF DECK. DECK SHALL BE ATTACHED WITH A 5/8" PUDDLE WELD PATTERN. CARE SHOULD BE TAKEN TO MAKE SURE DECK RIBS ARE IN ALIGNMENT.
 - R2 - INDICATES A 1 1/2" x 18 ga. WIDE RIB ROOF DECK. DECK SHALL BE ATTACHED WITH 5/8" PUDDLE WELDS WITH A PATTERN 36/4. SIDE LAPS TO BE ATTACHED WITH #10 TEK SCREWS AT A MAXIMUM 3'-0" SPACING.
 - DECK BEARING ELEVATIONS VARY. COORDINATE ELEVATIONS WITH ARCHITECTURAL SECTIONS.
 - ALL WELDING SHALL BE INSPECTED. SEE SPECIFICATIONS FOR DEGREE OF INSPECTION.
 - REFER TO SHEET 81-1 FOR ADDITIONAL STRUCTURAL NOTES.
 - CONTRACTOR'S OPTION TO PROVIDE ALTERNATE CONNECTION DETAILS, SUBJECT TO ARCHITECT'S APPROVAL, PRIOR TO OFFICIAL SHOP DRAWING SUBMITTAL.
 - ALL STEEL AND STEEL CONNECTIONS ARE CONSIDERED ARCHITECTURALLY EXPOSED, AND SHALL BE FABRICATED AND ERECTED FOLLOWING THE FULL REQUIREMENTS OF AISC CODE OF STANDARD PRACTICE "SECTION 10: ARCHITECTURALLY EXPOSED STRUCTURAL STEEL."
 - CONTRACTOR'S OPTION TO SHORE TIP OF ROOF STRUCTURE DURING ERECTION. SHORING MUST BE A SCREW JACK TYPE AS TIP WILL SETTLE 1" (MAX) DURING REMOVAL OF SHORES.

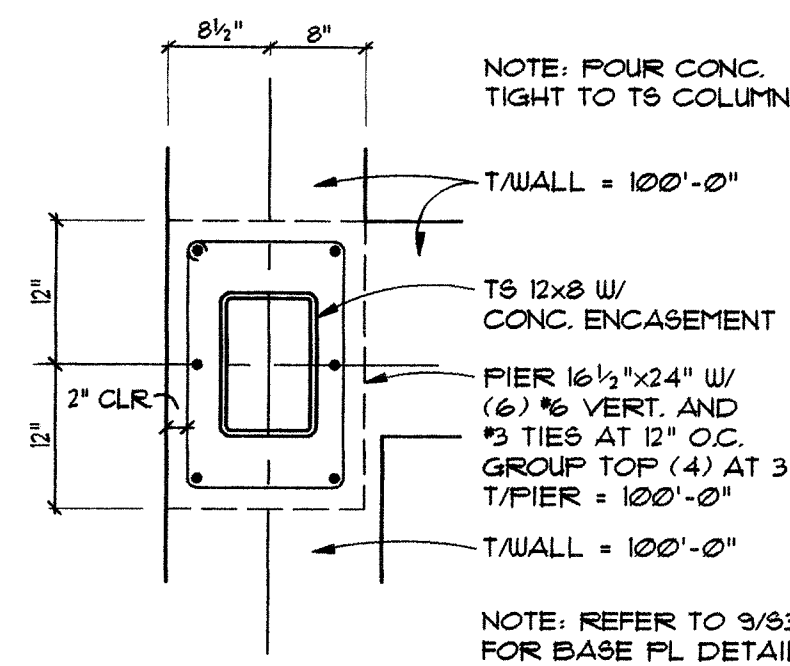
Structural Engineers
JDH Engineering
 Mechanical and Electrical Engineers
Engineering Plus, Inc.

Eckert/Wordell Architects
 161 E. Michigan Ave.
 Kalamazoo, MI 49007
 616 388 7313
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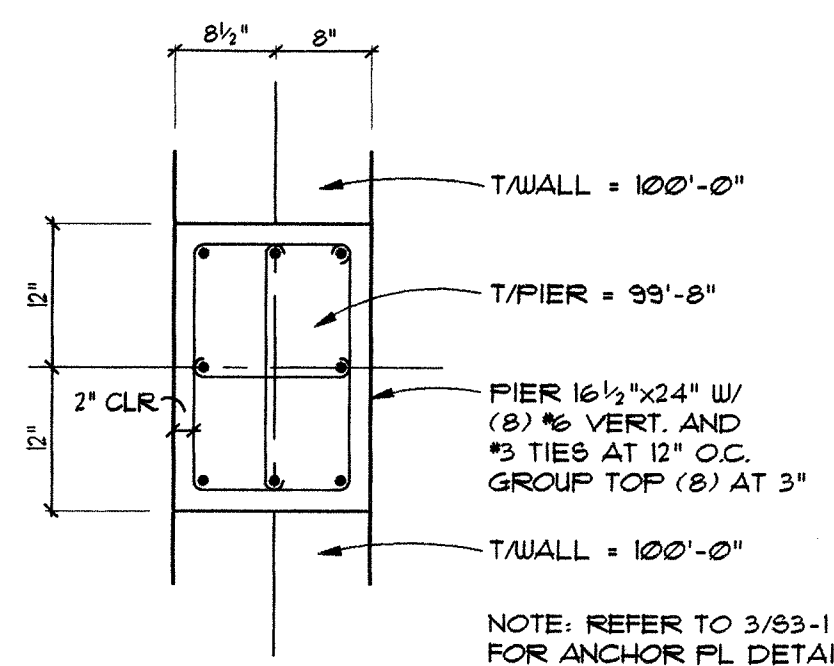
FRAMING PLAN
 SCALE: 1/4" = 1'-0"

FRAMING PLAN

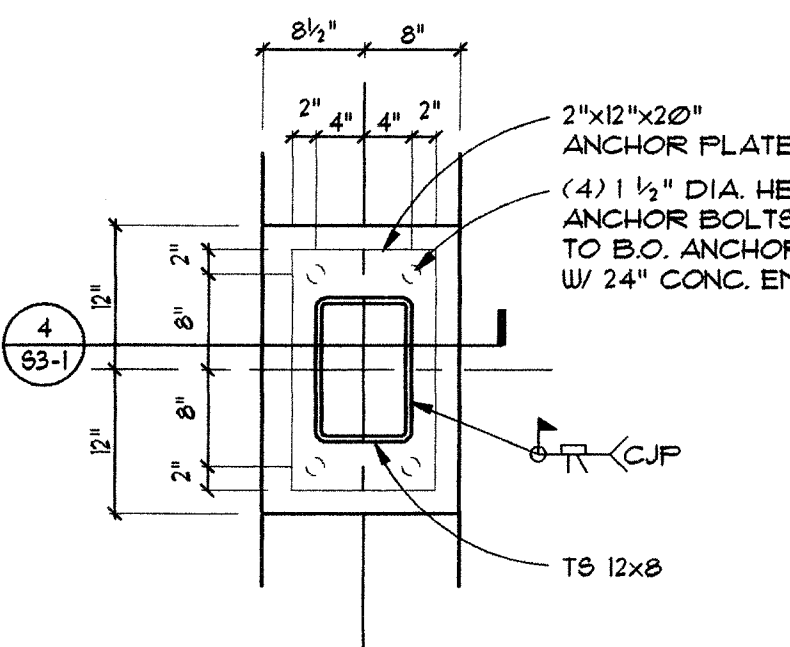
S2-1



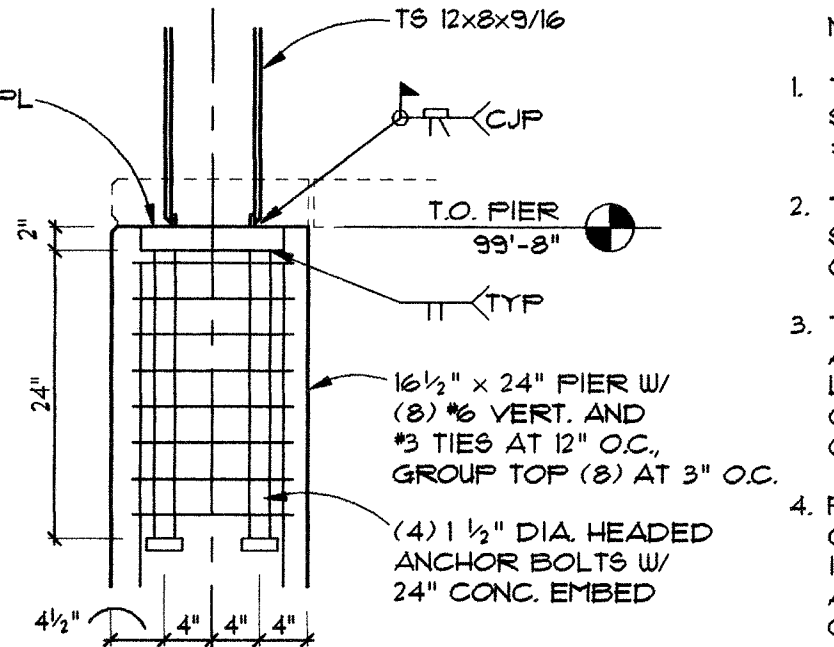
1 PIER DETAIL
SCALE: 3/4"=1'-0"



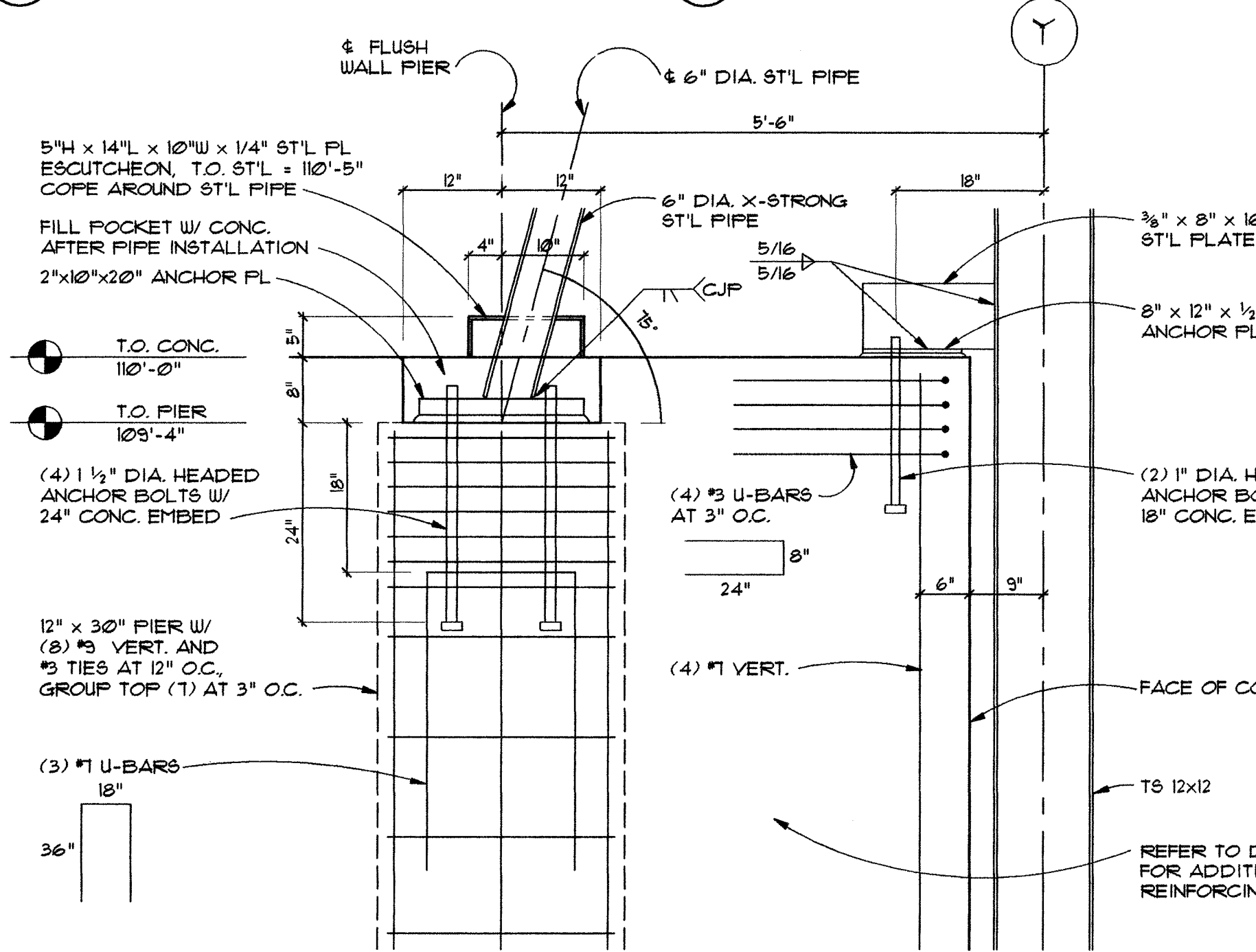
2 PIER DETAIL
SCALE: 3/4"=1'-0"



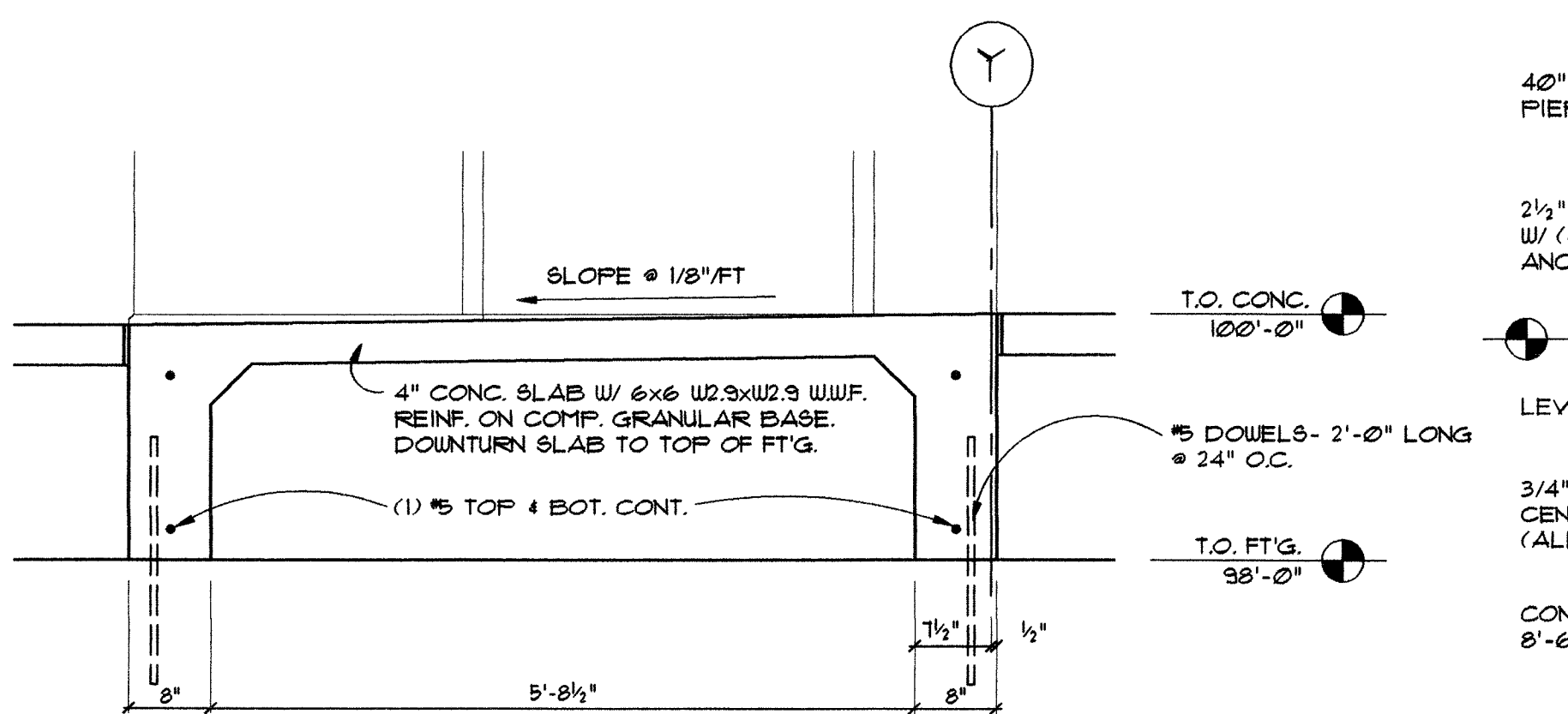
3 ANCHOR PL DETAIL
SCALE: 3/4"=1'-0"



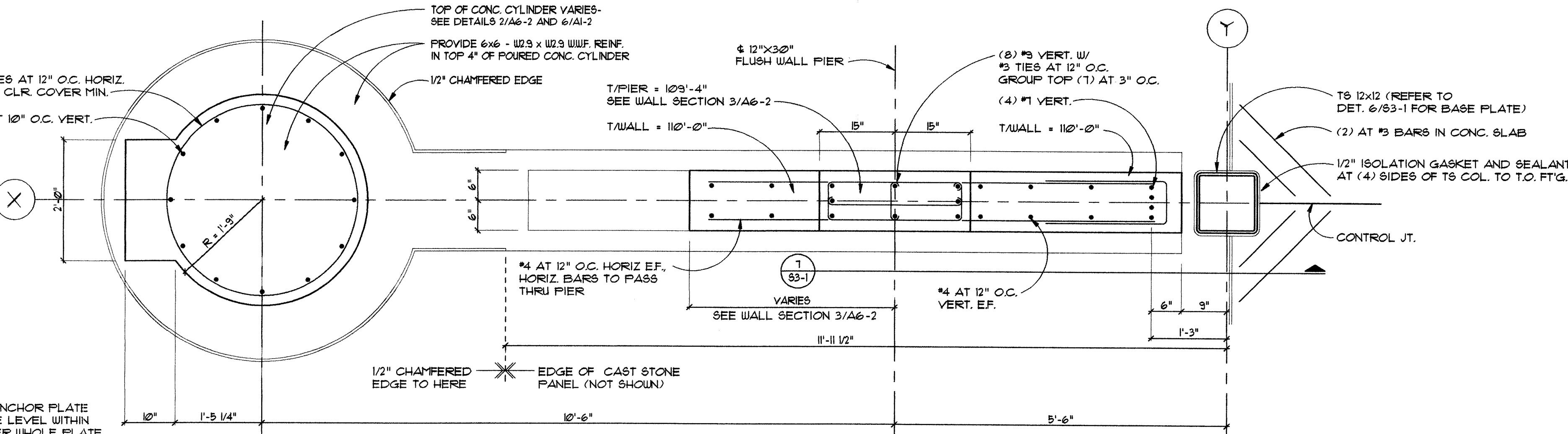
4 COLUMN BASE DETAIL
SCALE: 3/4"=1'-0"



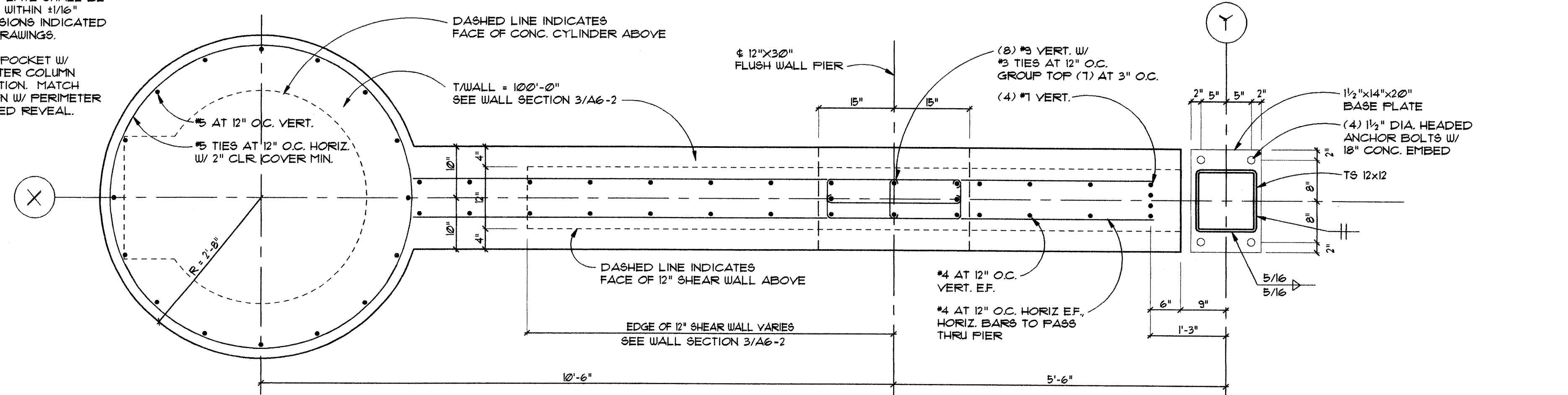
7 SHEAR WALL DETAIL
SCALE: 3/4"=1'-0"



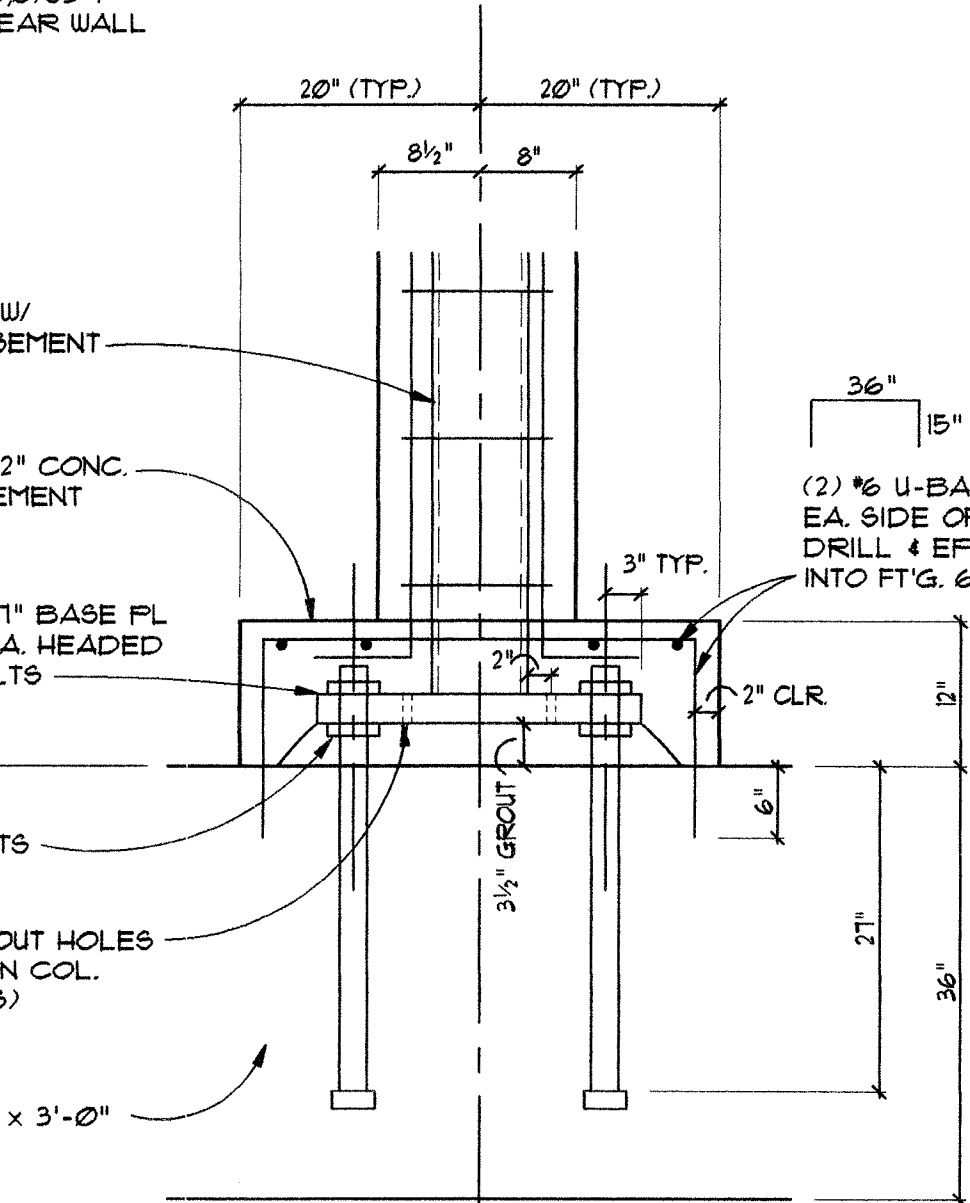
8 FOUNDATION DETAIL
SCALE: 3/4"=1'-0"



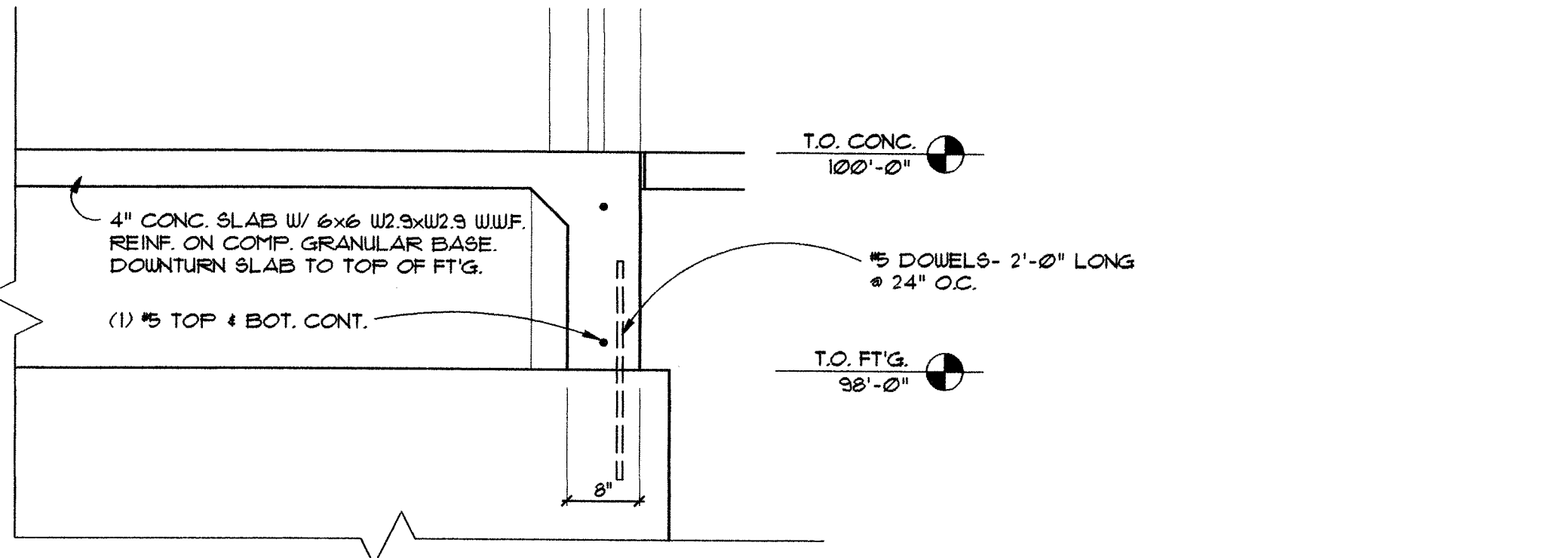
5 SHEAR WALL DETAIL - HI
SCALE: 3/4"=1'-0"



6 SHEAR WALL DETAIL - LOW
SCALE: 3/4"=1'-0"



9 COLUMN BASE DETAIL
SCALE: 3/4"=1'-0"



10 FOUNDATION DETAIL
SCALE: 3/4"=1'-0"

NOTE:
ALL 3" LIMESTONE PANELS AND COPING HAVE BEEN CHANGED TO 3 1/2" CAST STONE MEMBERS. EXTERIOR FACES TO REMAIN IN SAME LOCATION ± ADDITIONAL 1/2" THICKNESS TO EXTEND INTO AIR CAVITY

- NOTE:
1. TOP OF ANCHOR PLATE SHALL BE LEVEL WITHIN 1/16" OVER WHOLE PLATE.
 2. TOP OF ANCHOR PLATE SHALL BE WITHIN 1/16" OF STATED ELEVATION.
 3. THE CENTER OF THE ANCHOR PLATE SHALL BE LOCATED WITHIN 1/16" OF DIMENSIONS INDICATED ON THE DRAWINGS.
 4. FILL FDN. POCKET W/ CONC. AFTER COLUMN INSTALLATION. MATCH AND ALIGN W/ PERIMETER CHAMFERED REVEAL.

KALAMAZOO ROTARY STAGE
Kalamazoo, Michigan
Brounson Park
98071

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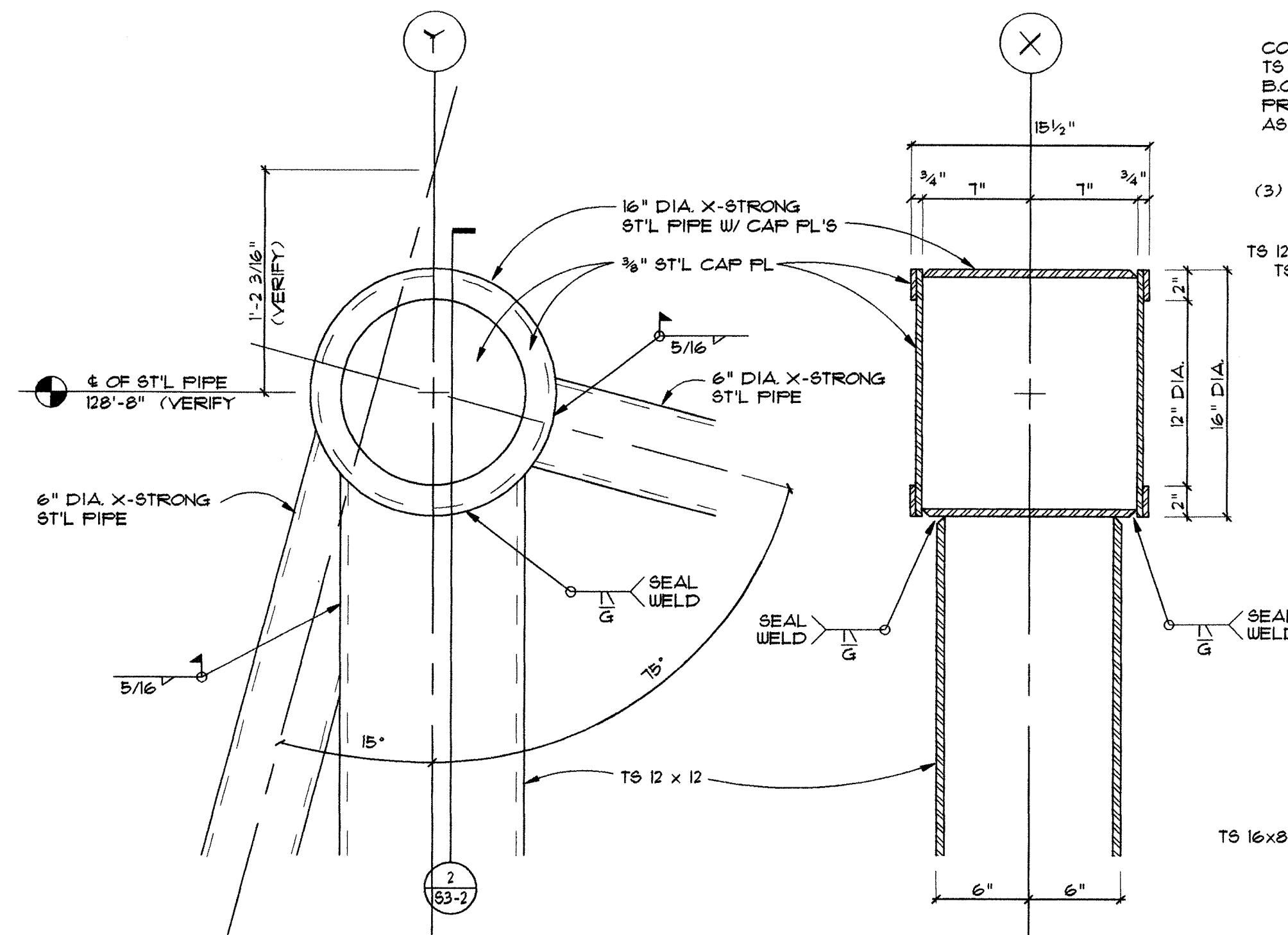
MECHANICAL AND ELECTRICAL ENGINEERS
Engineering Plus, Inc.
STRUCTURAL ENGINEERS
JDH Engineering, Inc.

Eckert/Wordell Architects
161 E. Michigan Ave.
Kalamazoo, MI 49007
616 388 7313
616 388 7330 Fax

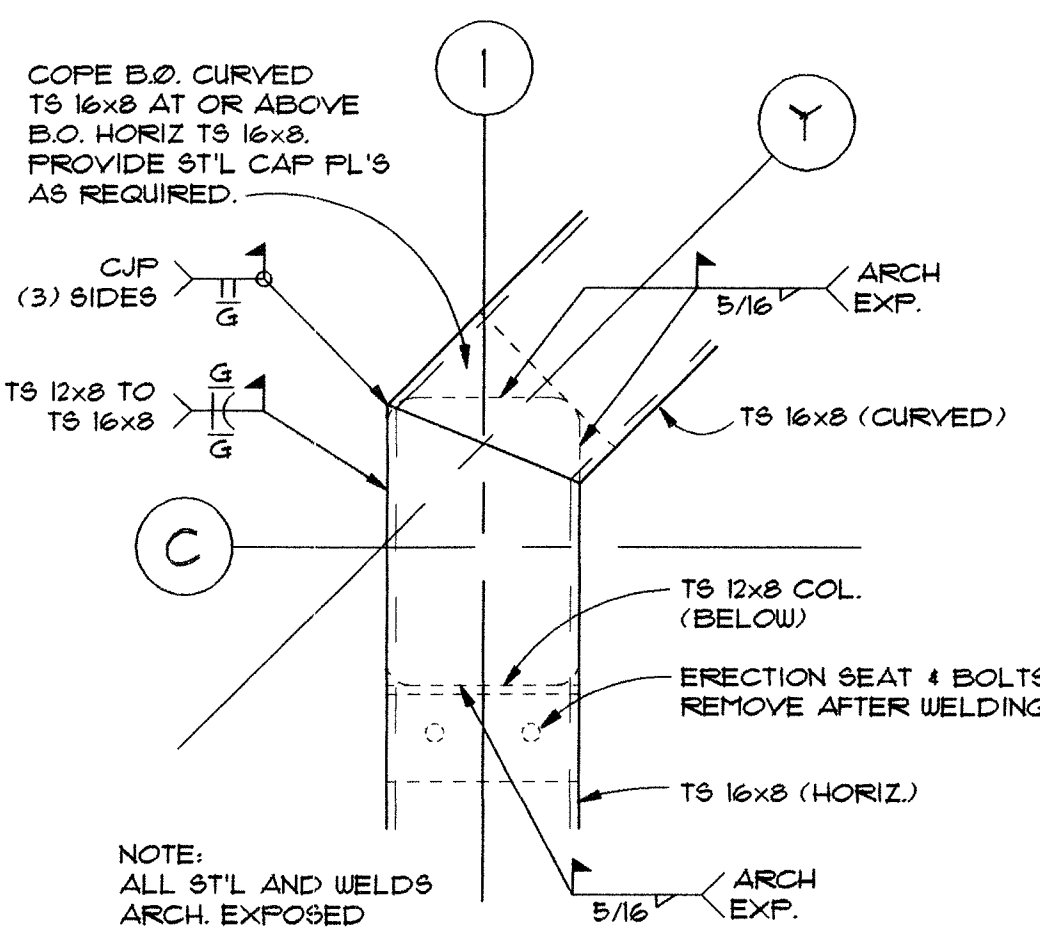
DETAILS

S3-1

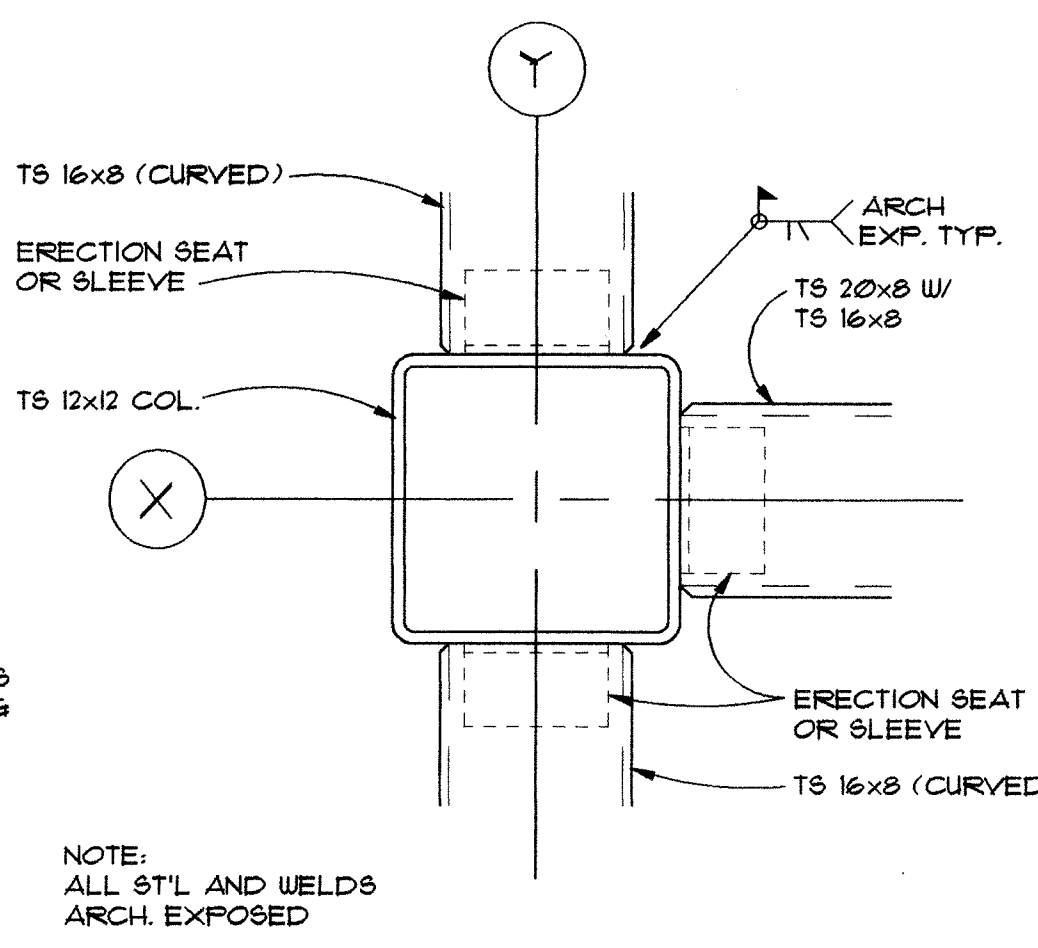
11/18/94 0825 c.m. CADWG\TDD\VE\TTLB-D



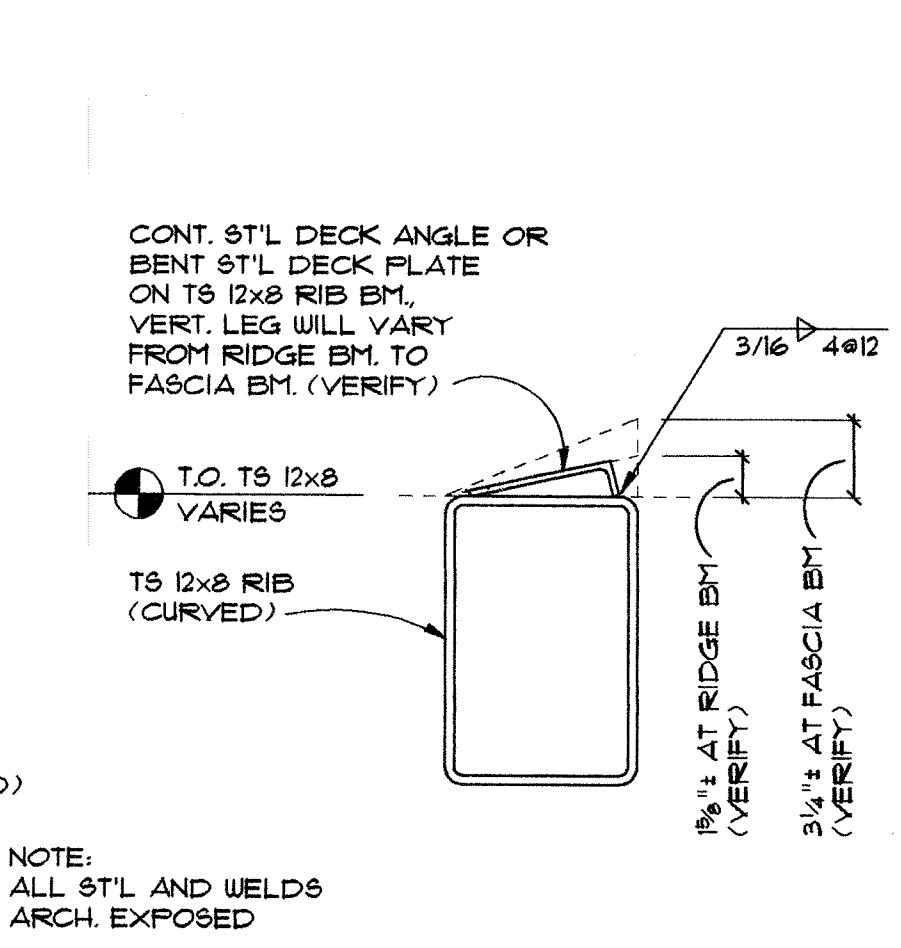
1 STL DETAIL
Scale: 1/2"=1'-0"



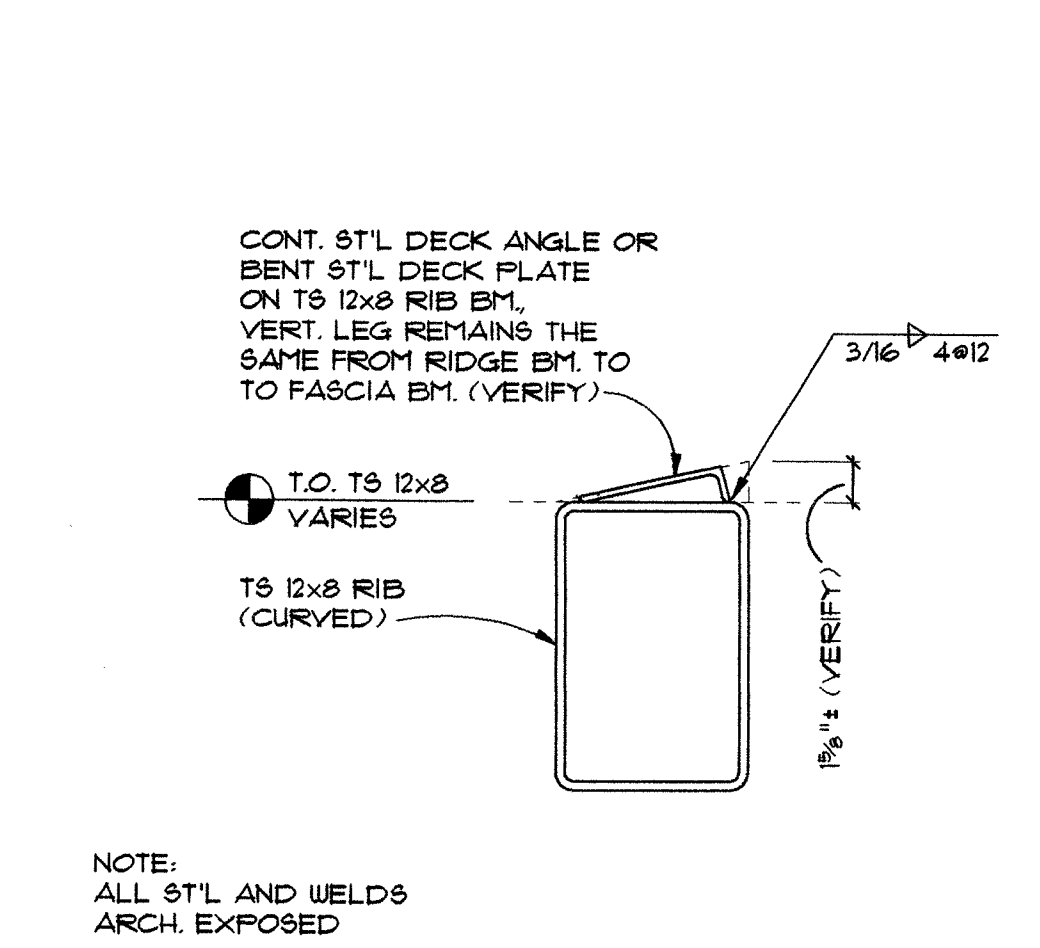
2 STL DETAIL
Scale: 1/2"=1'-0"



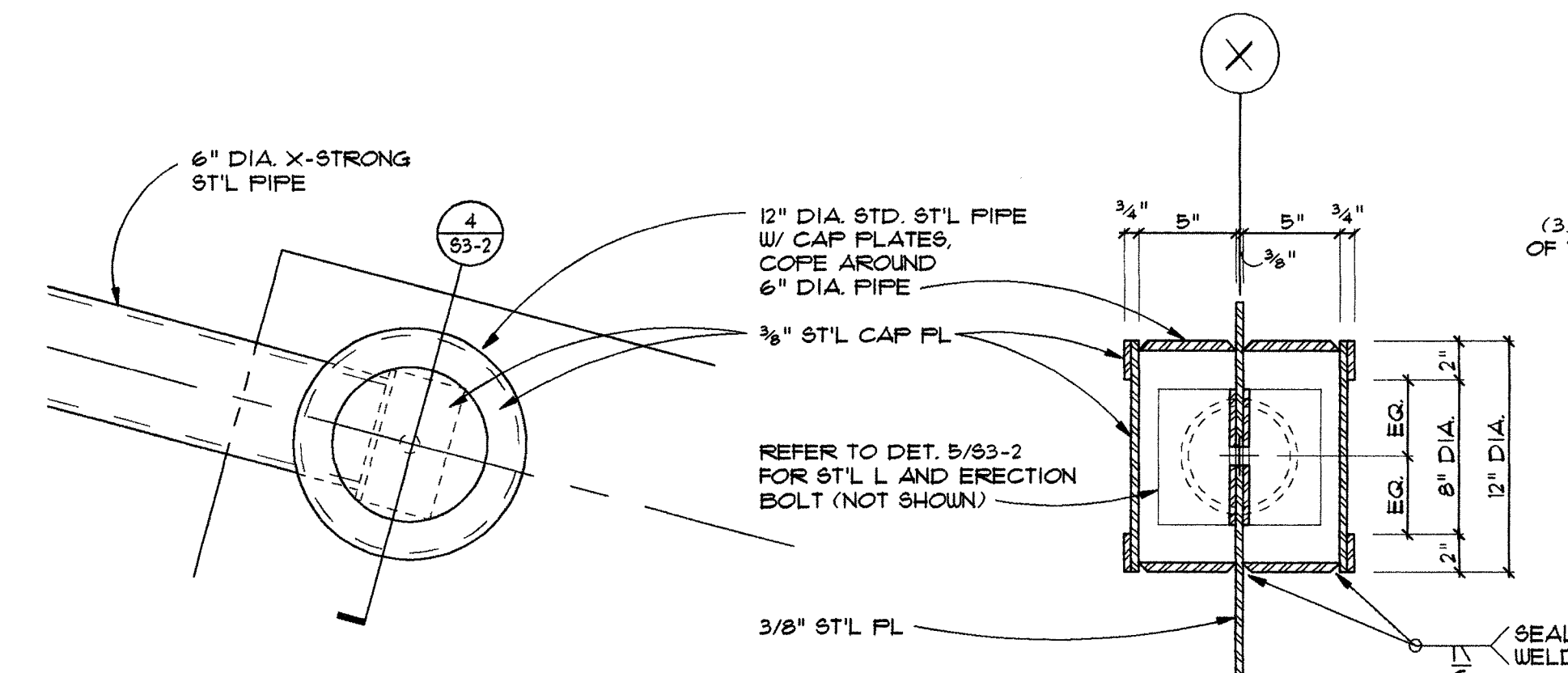
3 STL DETAIL
Scale: 1/2"=1'-0"



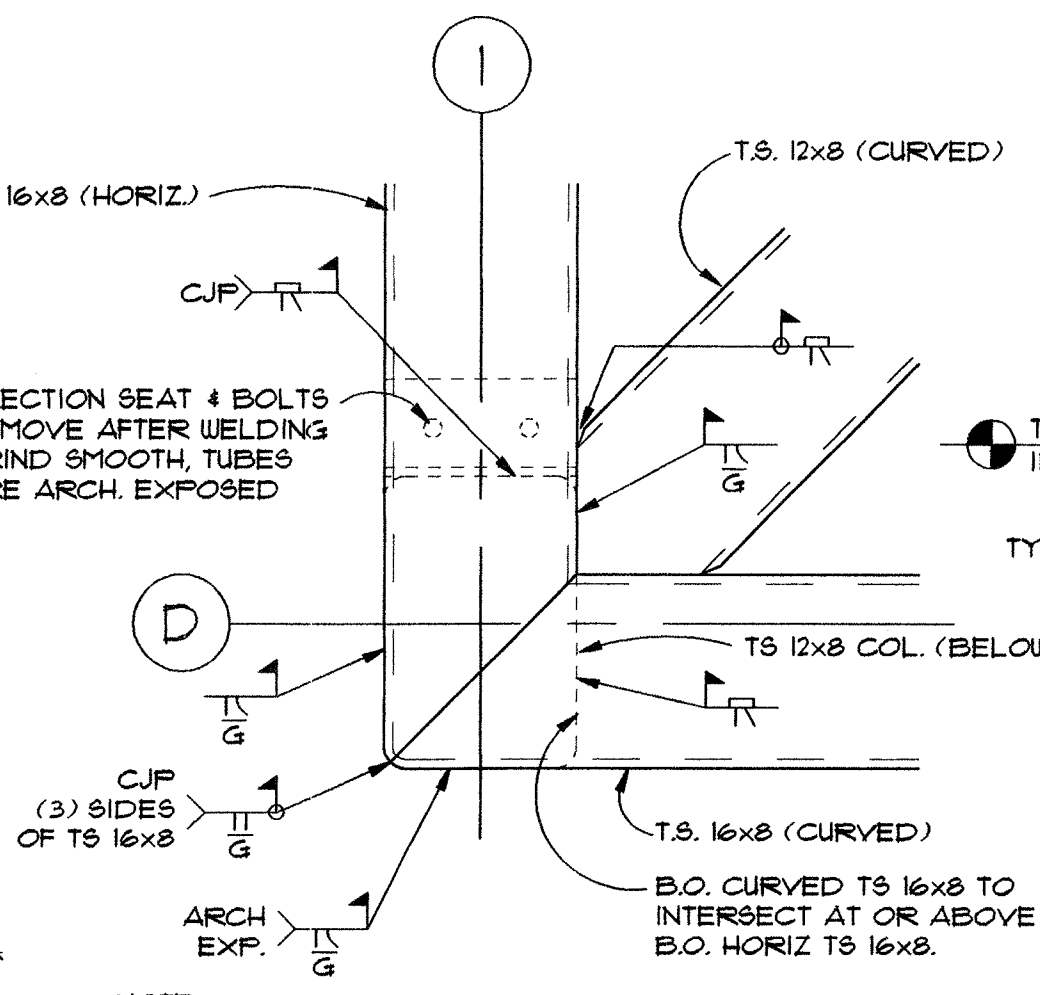
4 STL DETAIL
Scale: 1/2"=1'-0"



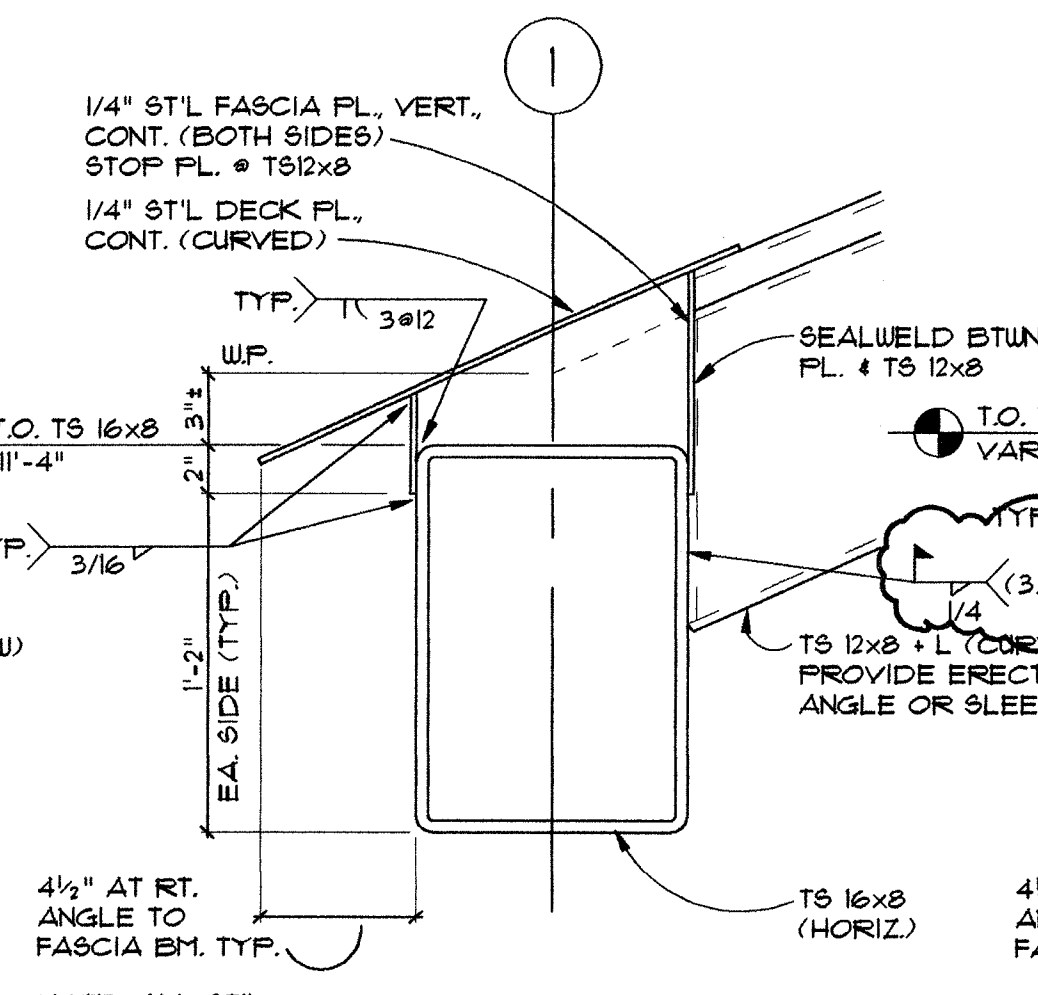
5 STL DETAIL
Scale: 1/2"=1'-0"



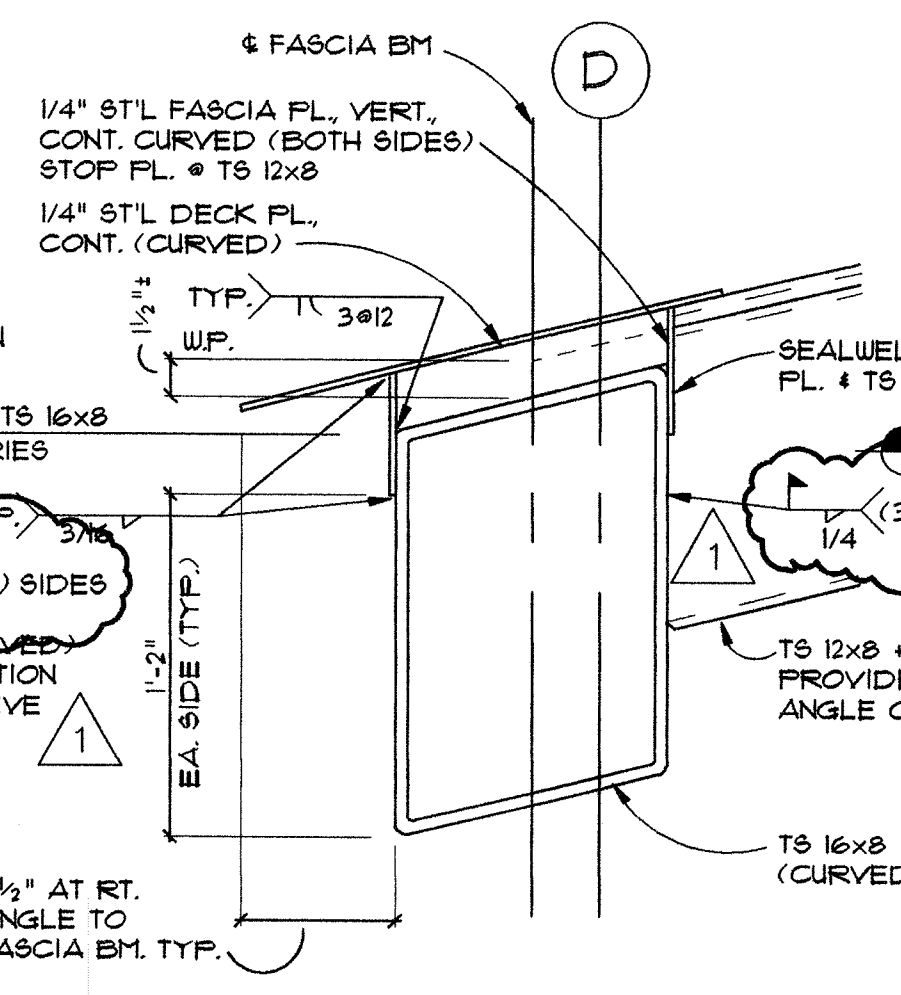
6 CONNECTION CAP
Scale: 1/2"=1'-0"



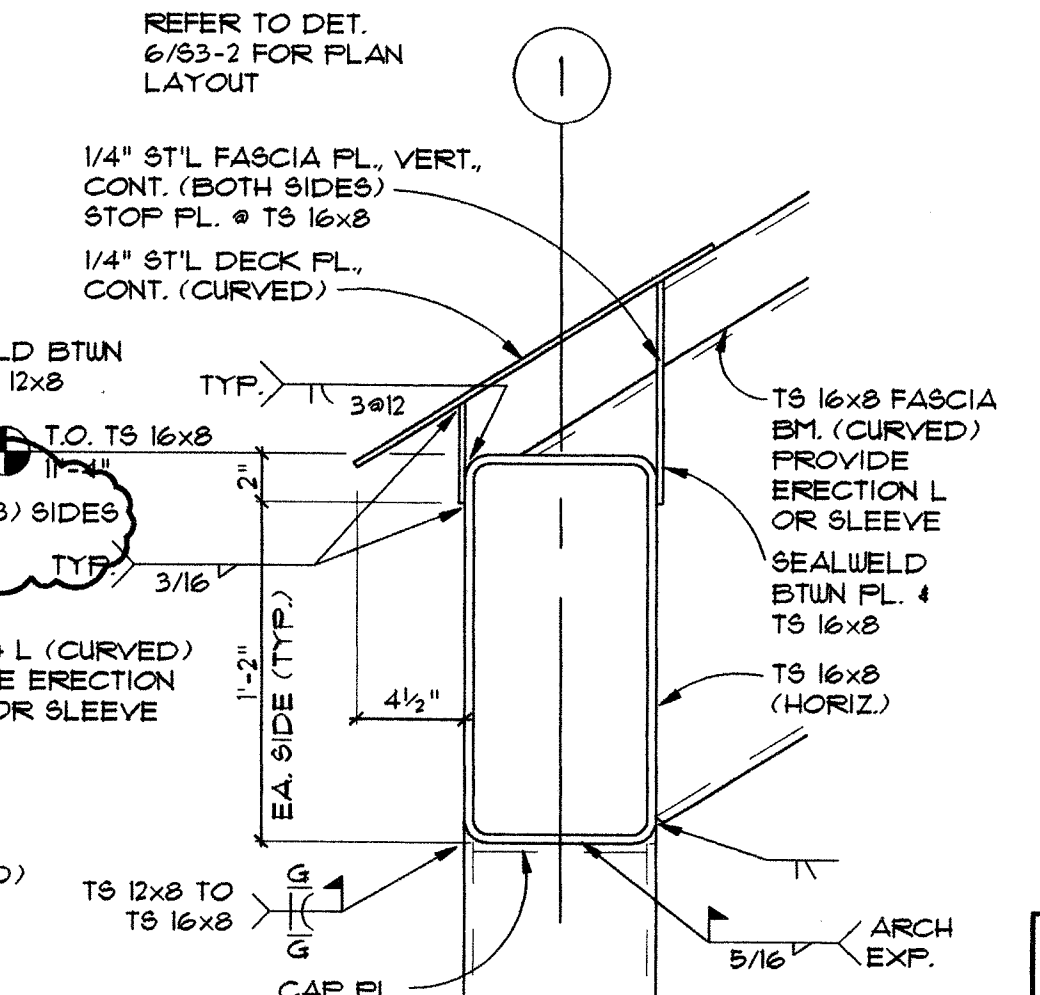
7 STL DETAIL
Scale: 1/2"=1'-0"



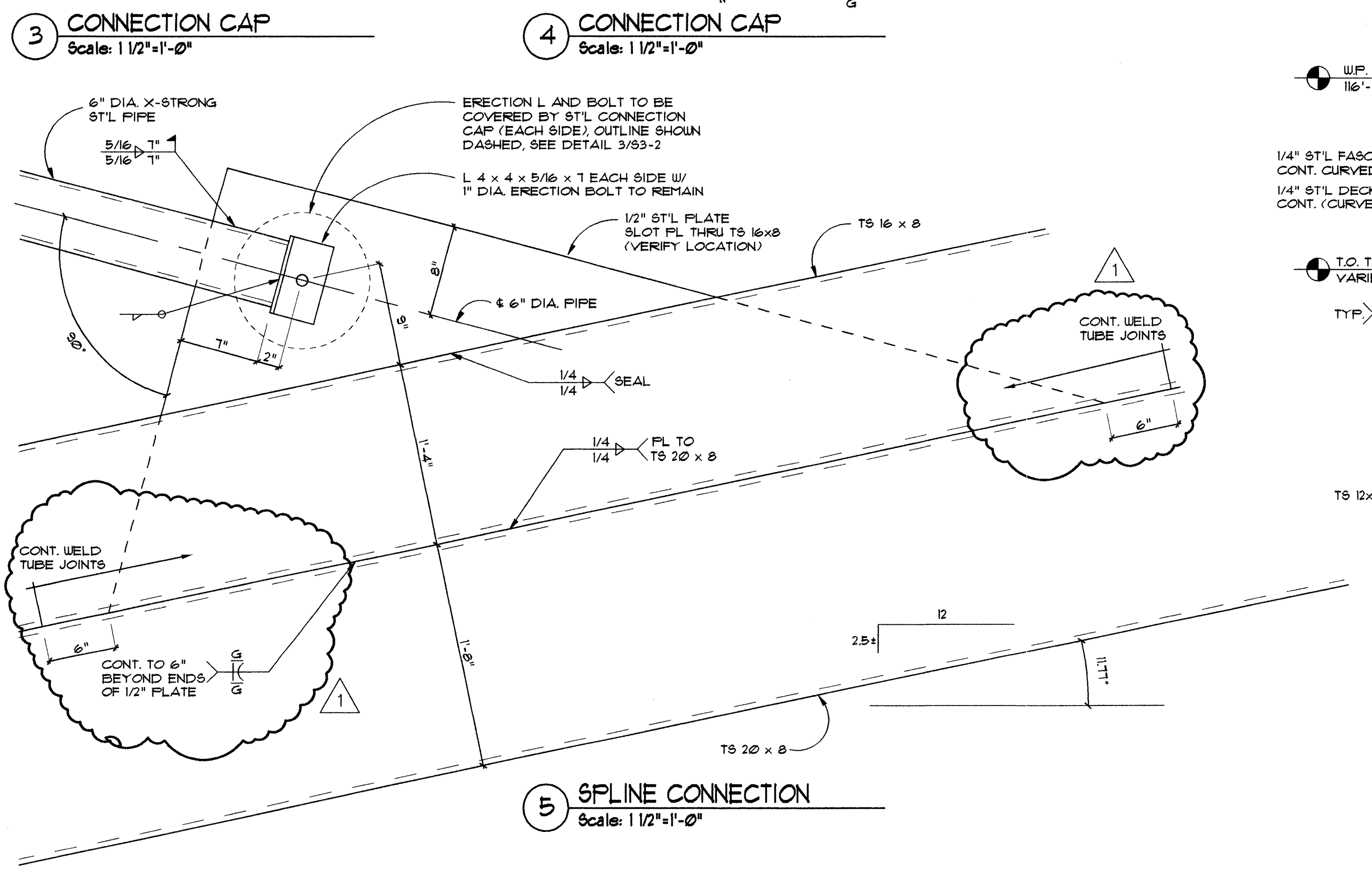
8 STL DETAIL
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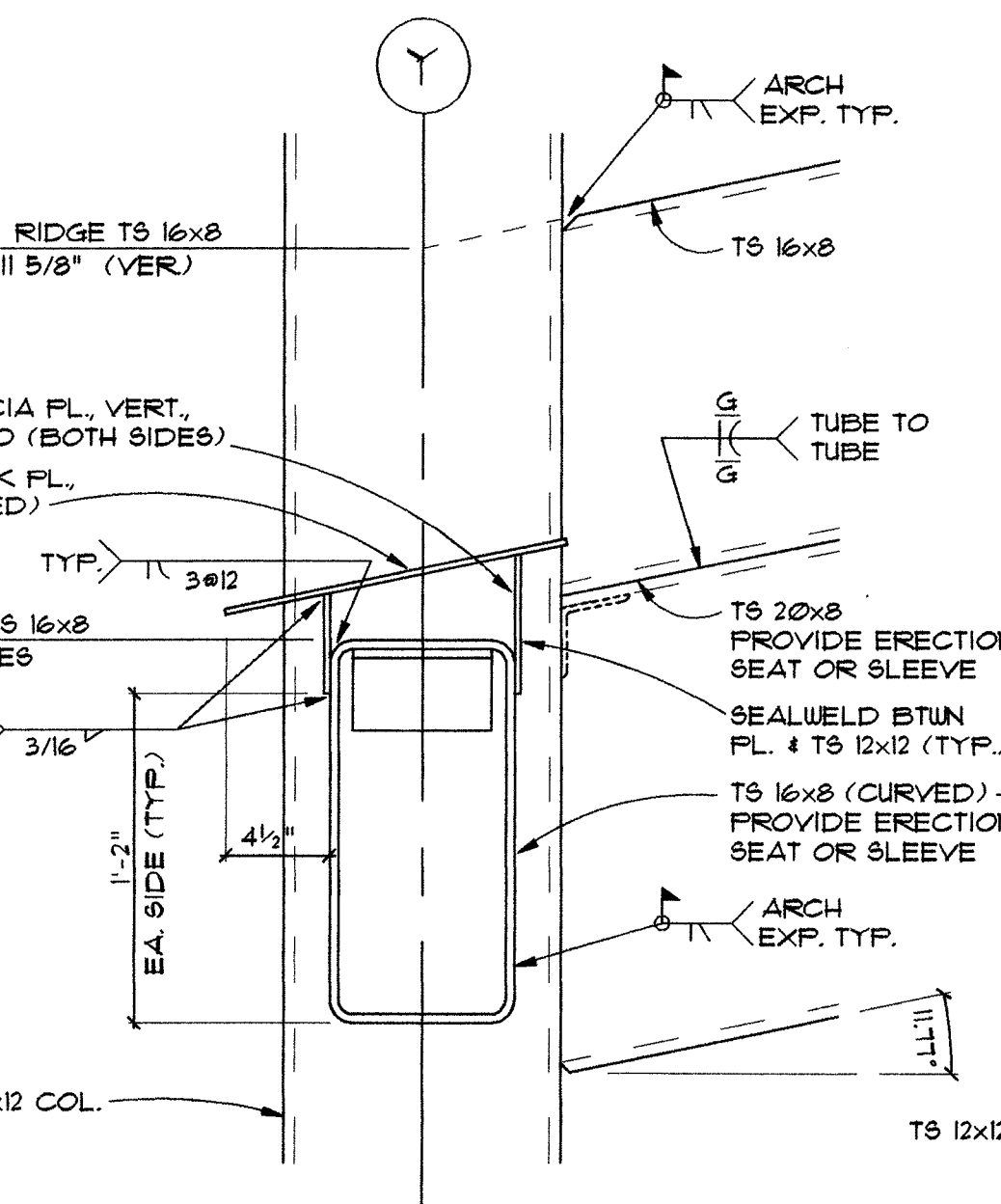
9 STL DETAIL
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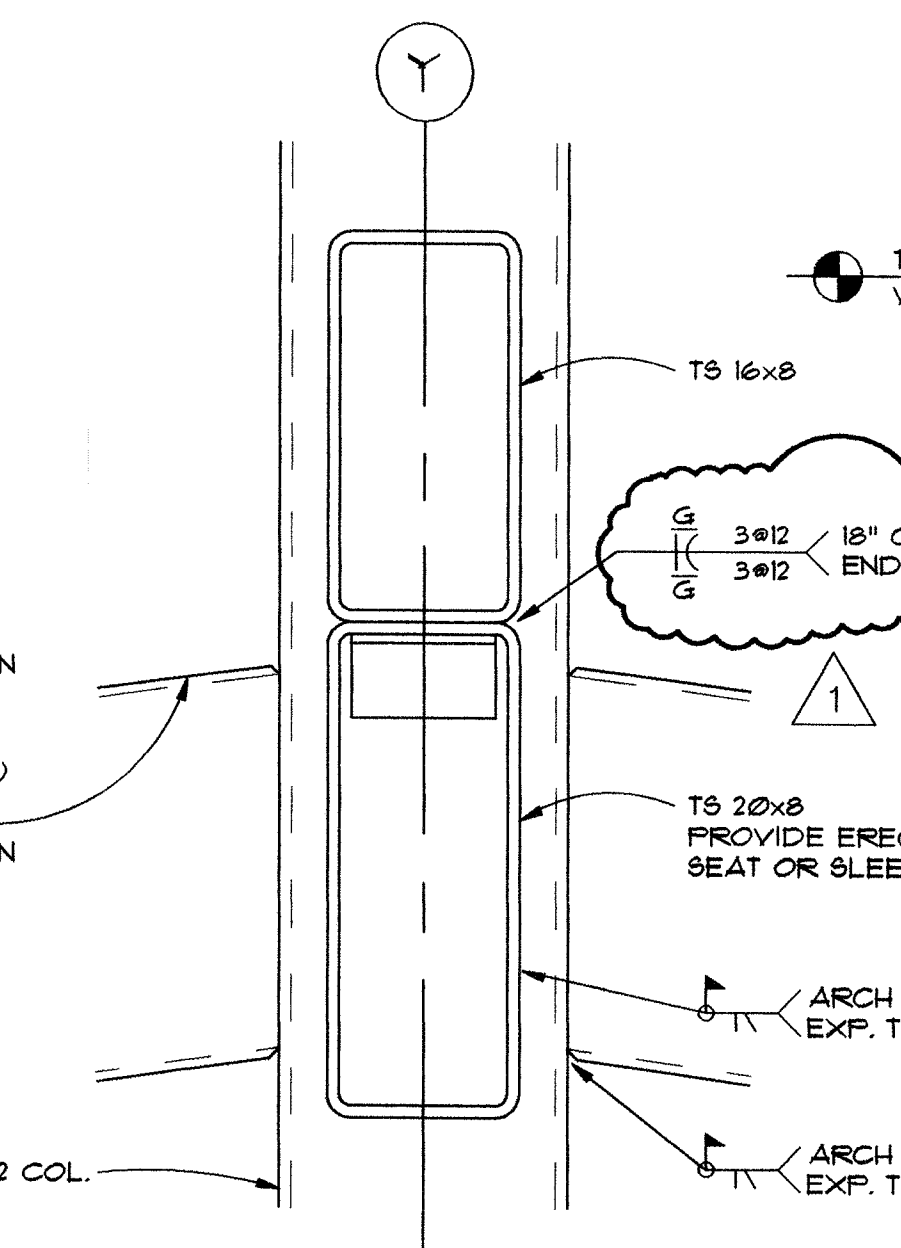
10 STL DETAIL
Scale: 1/2"=1'-0"



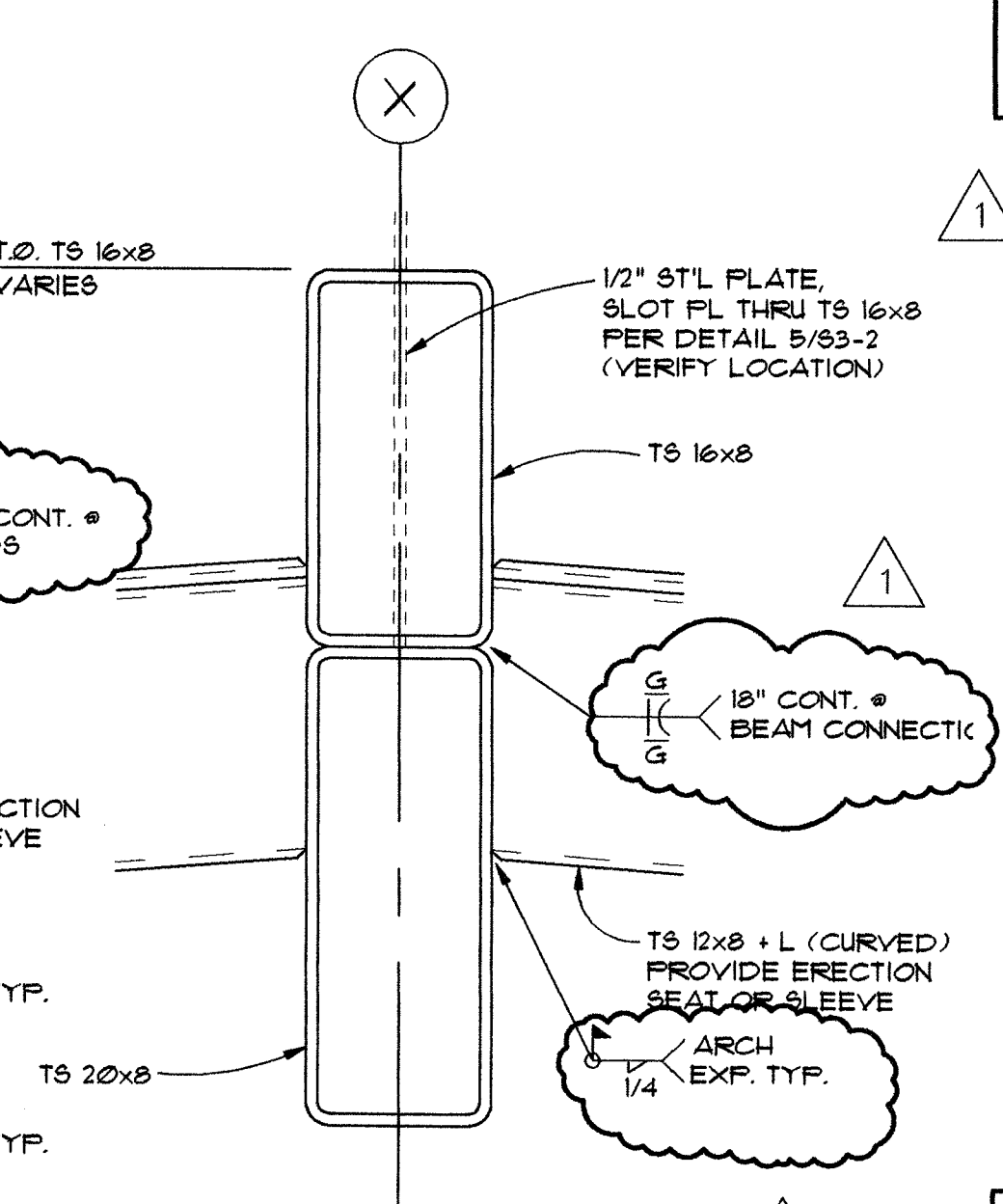
11 SPLINE CONNECTION
Scale: 1/2"=1'-0"



12 STL DETAIL
Scale: 1/2"=1'-0"



13 STL DETAIL
Scale: 1/2"=1'-0"



14 STL DETAIL
Scale: 1/2"=1'-0"

NOTE: FILL ALL GAPS BETWEEN STITCH WELDS WITH COMPATIBLE FILLER MATERIAL PER FABRICATOR'S RECOMMENDATIONS.

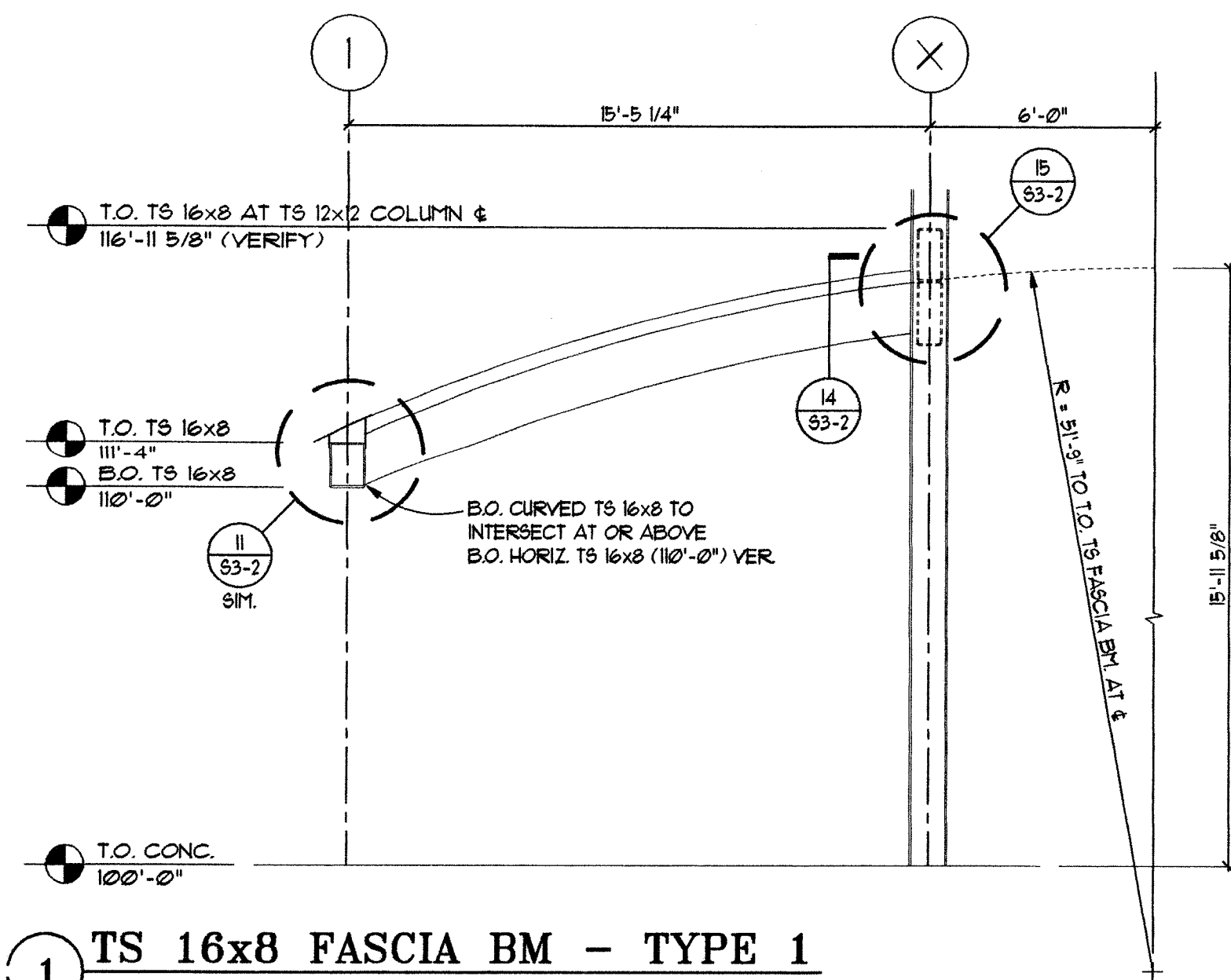
KALAMAZOO ROTARY STAGE
Kalamazoo, Michigan
Bronson Park
98071

3/15/93 ISSUED FOR BID
5/1/93 RE-ISSUED FOR POST-BID ADDENDUM

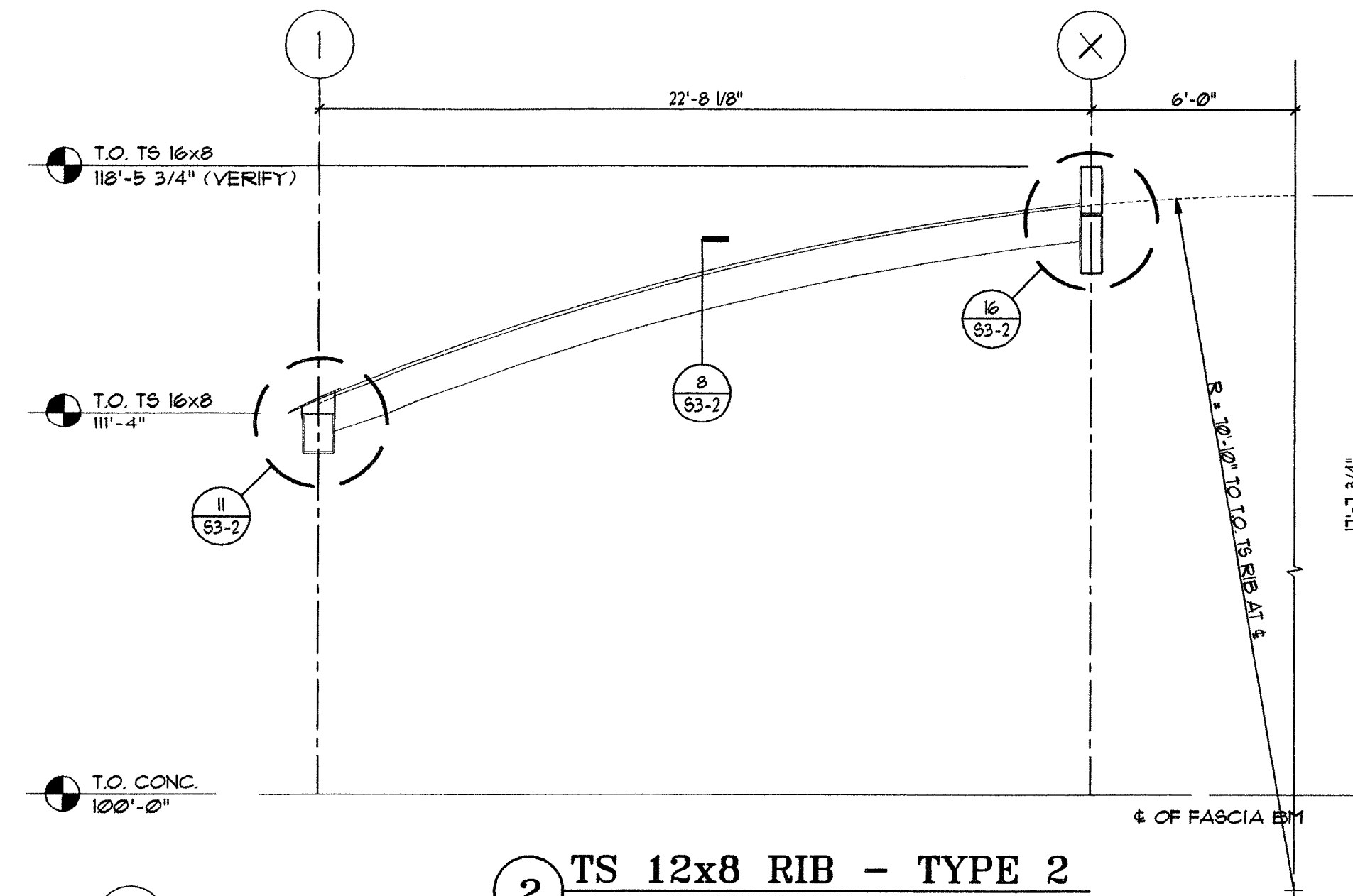
CONSULTANT TYPE (CAPS)
Consultant's Name

Eckert/Wordell Architects
161 E. Michigan Ave.
Kalamazoo, MI 49007
616 388 7313
616 388 7330 Fax

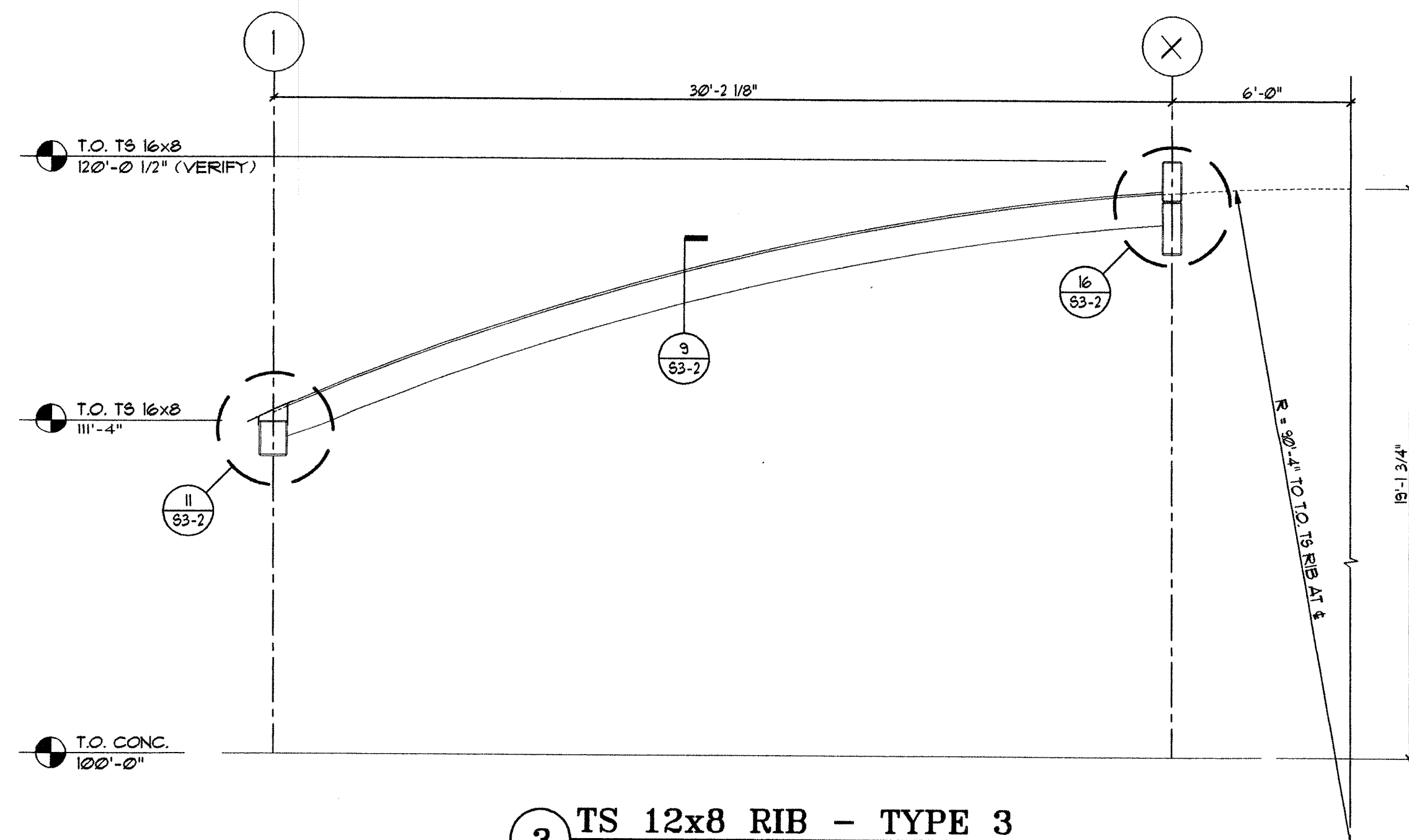
STRUCTURAL DETAILS



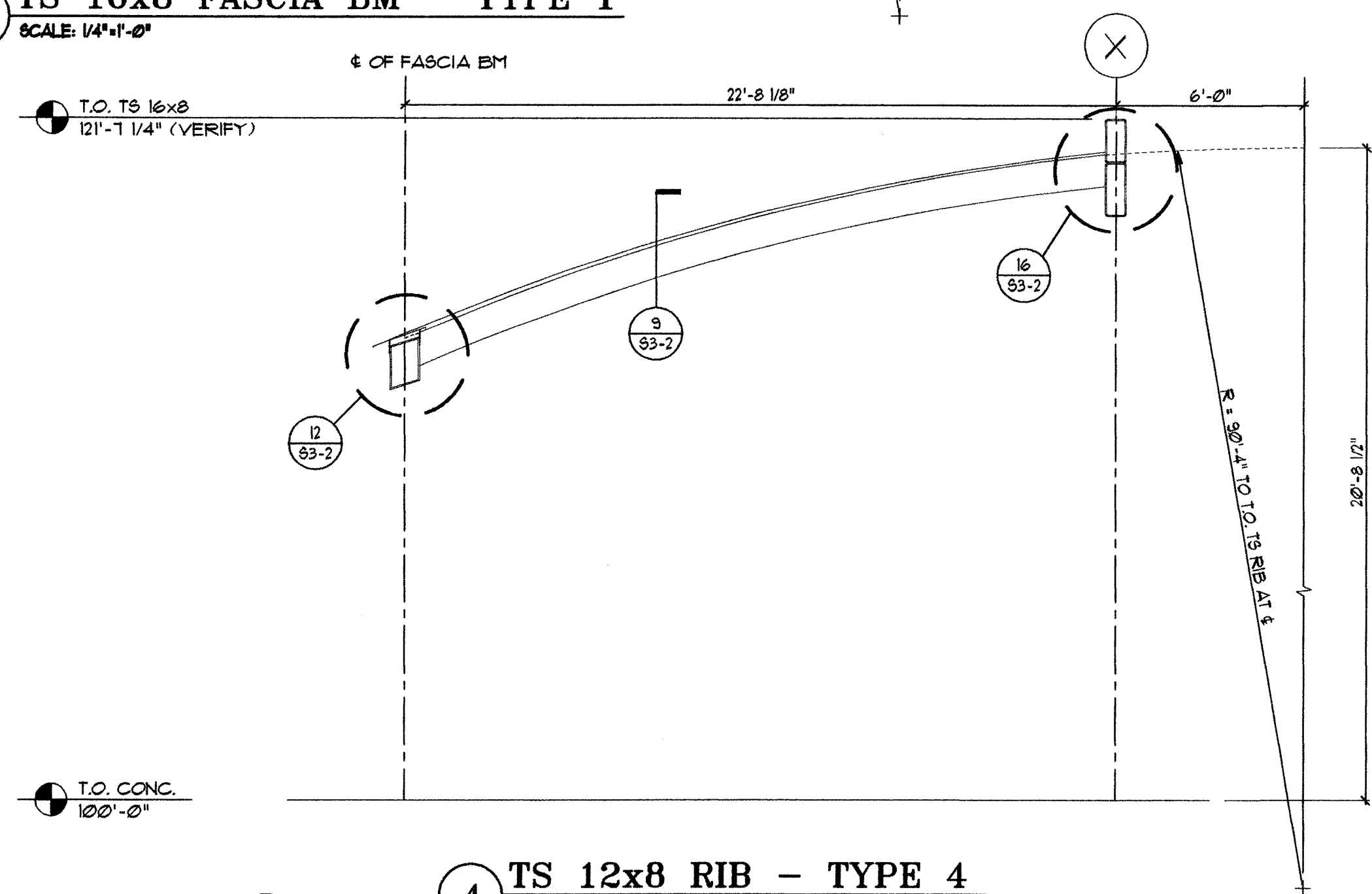
1 TS 16x8 FASCIA BM - TYPE 1
SCALE: 1/4"=1'-0"



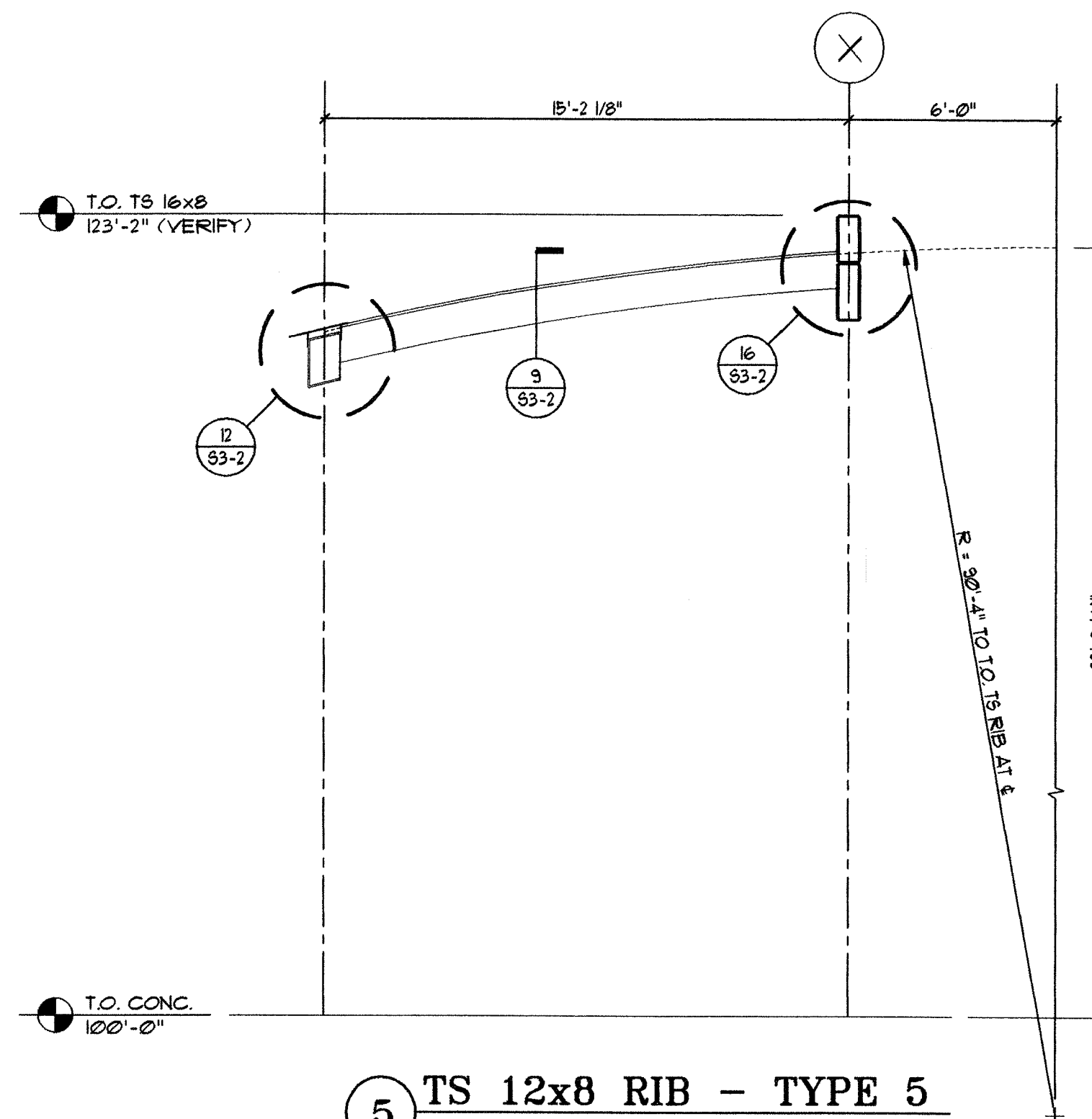
2 TS 12x8 RIB - TYPE 2
SCALE: 1/4"=1'-0"



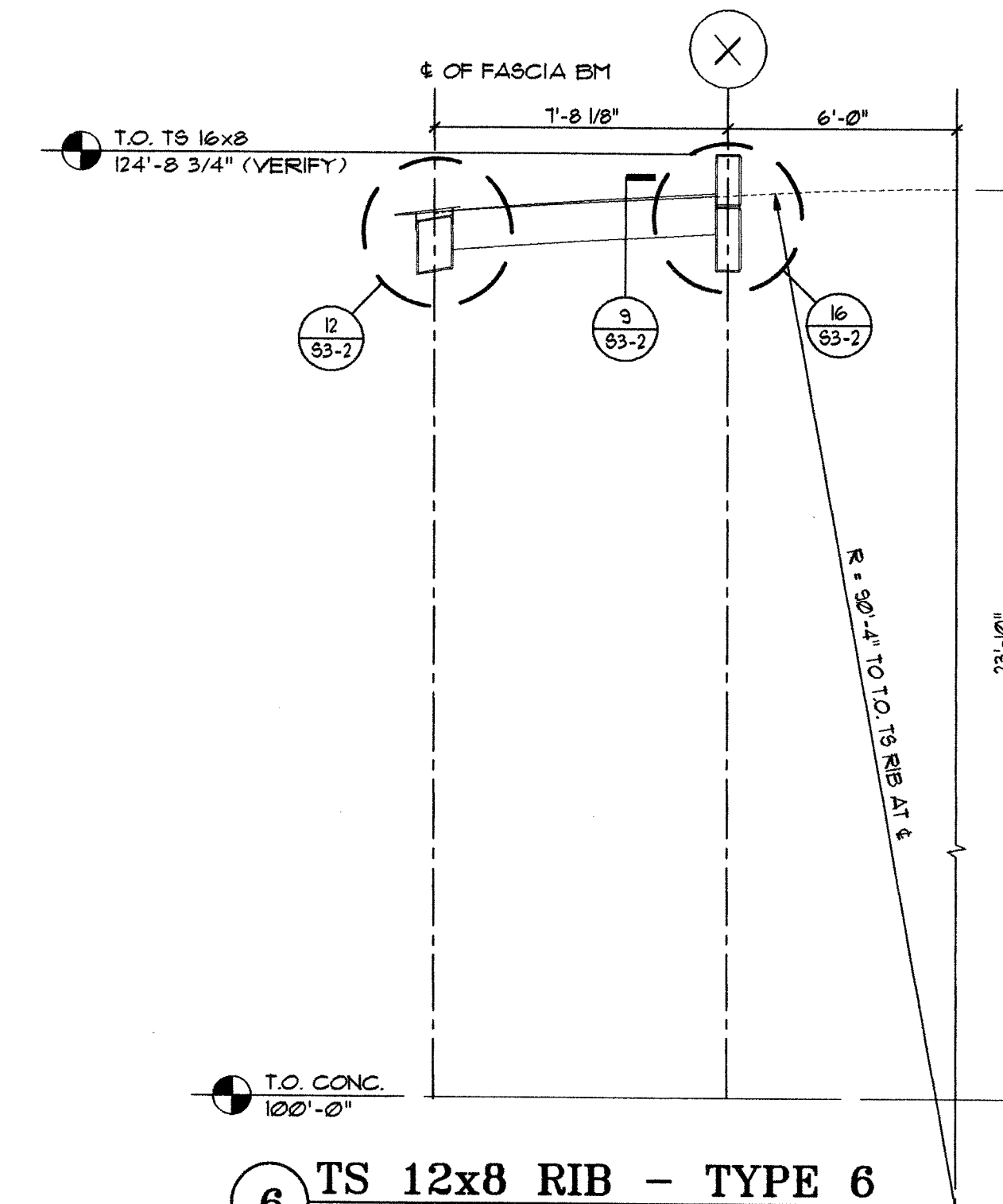
3 TS 12x8 RIB - TYPE 3
SCALE: 1/4"=1'-0"



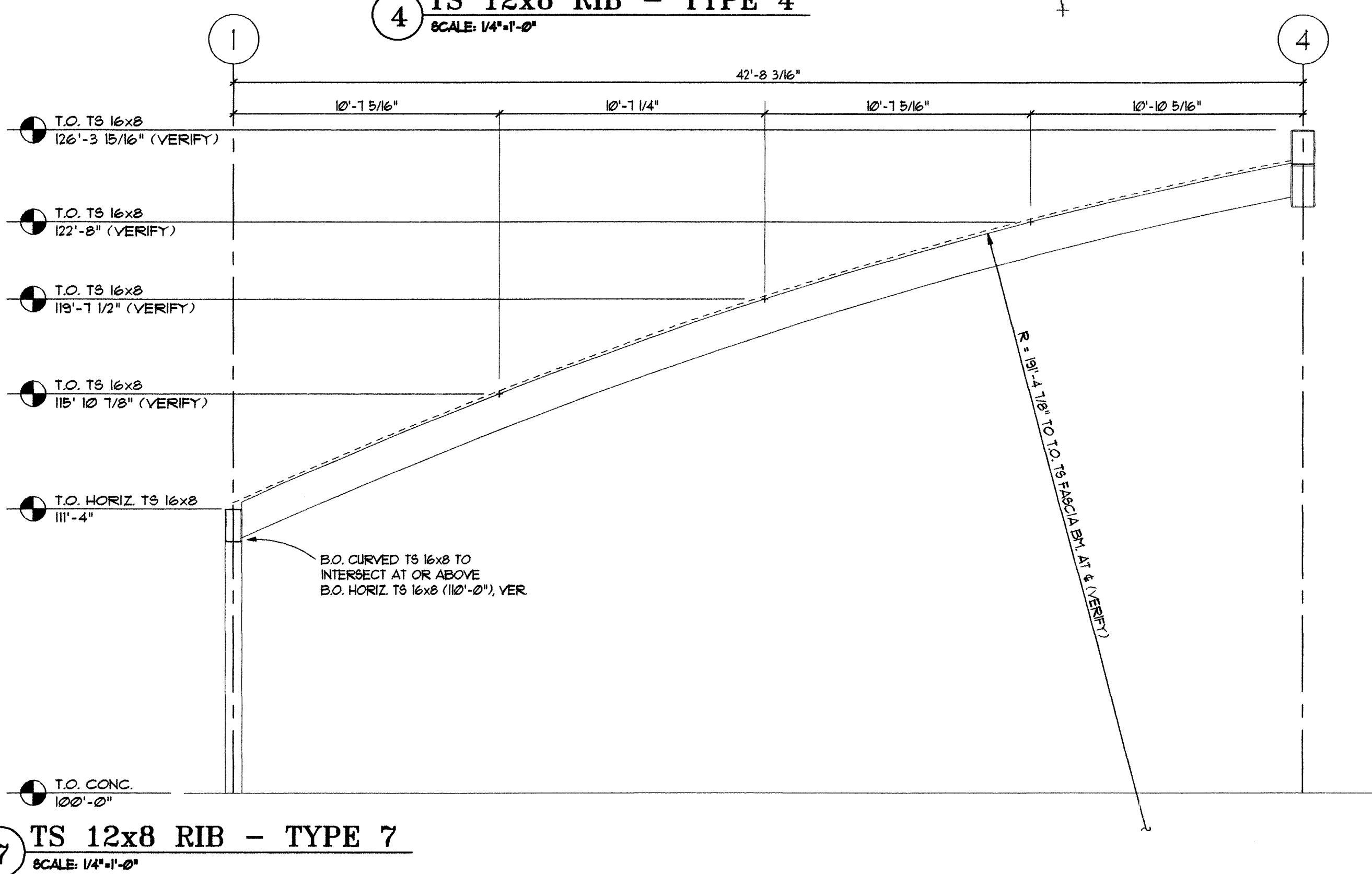
4 TS 12x8 RIB - TYPE 4
SCALE: 1/4"=1'-0"



5 TS 12x8 RIB - TYPE 5
SCALE: 1/4"=1'-0"



6 TS 12x8 RIB - TYPE 6
SCALE: 1/4"=1'-0"



7 TS 12x8 RIB - TYPE 7
SCALE: 1/4"=1'-0"

ENTIRE SHEET REISSUED IN
POST-BID ADDENDUM

NOTE:
TS RIB PROFILES ARE SYMMETRICAL
ABOUT THE X-GRID LINE.

KALAMAZOO ROTARY STAGE

Kalamazoo, Michigan
Bronson Park
98071

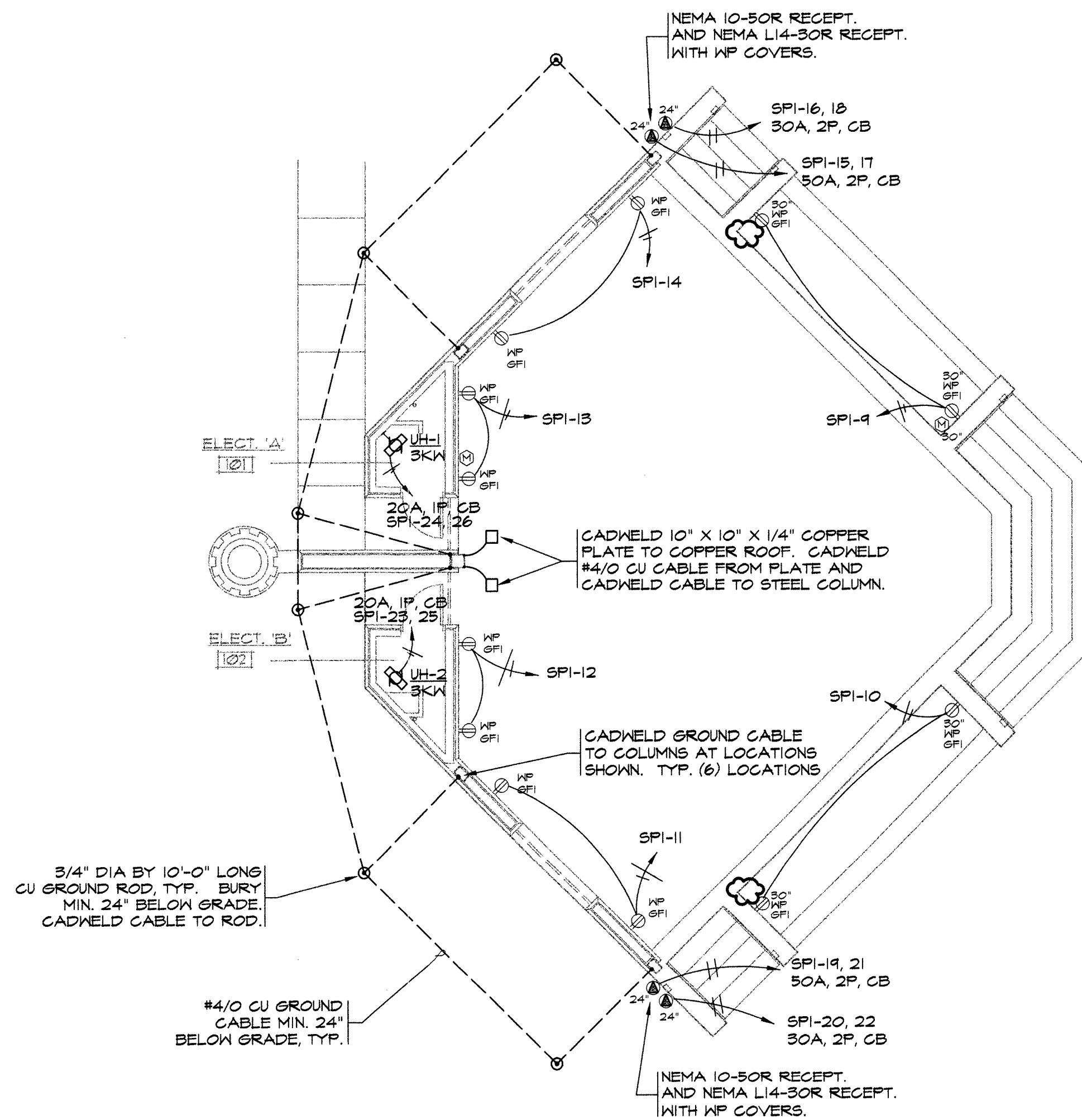
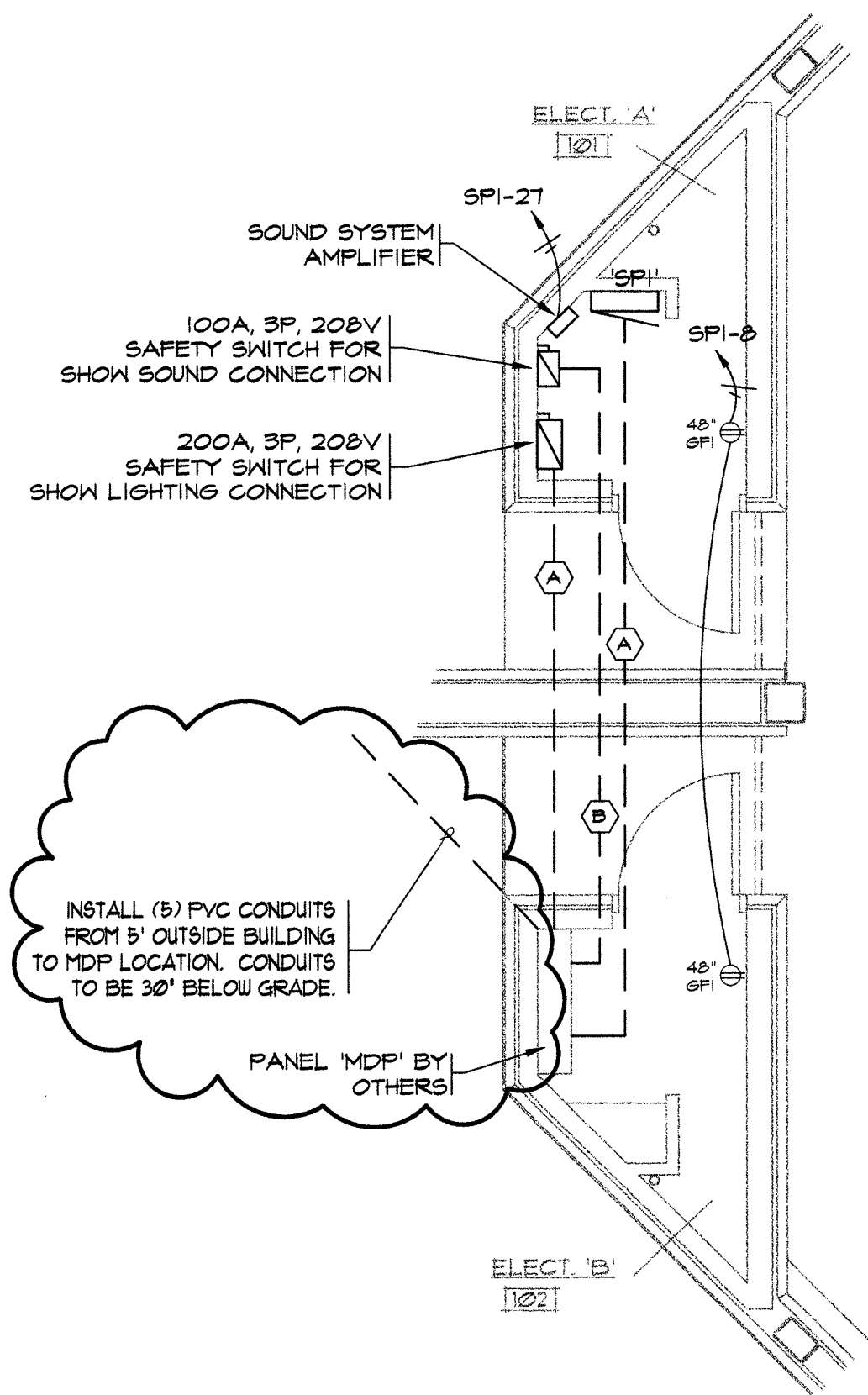
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Structural Engineers
JDH Engineers, Inc.
Mechanical and Electrical Engineers
Engineering Plus, Inc.

Eckert/Wordell
Architects

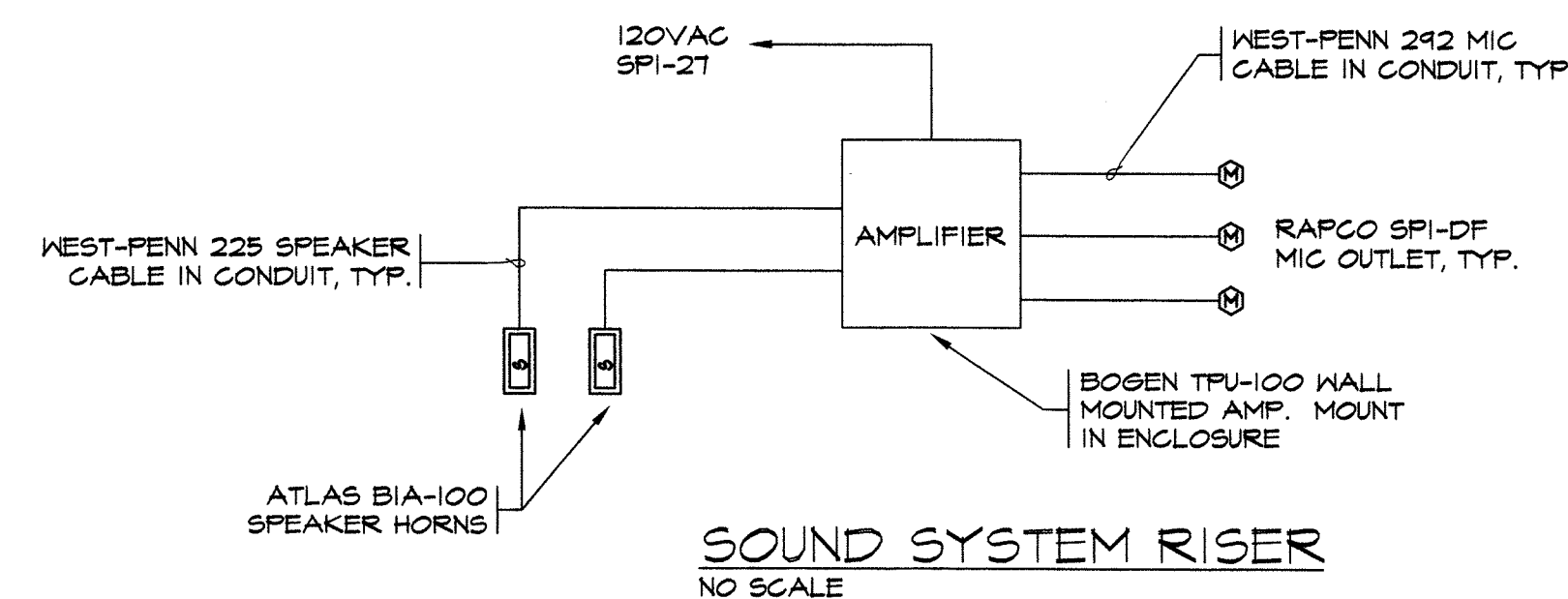
161 E. Michigan Ave.
Kalamazoo, MI 49007
616 388 7313
616 388 7330 Fax

STRUCTURAL DETAILS



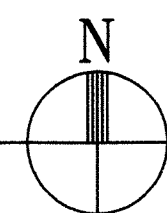
SHEET NOTES:

- ALL CIRCUITS 20A, IP, CB UNLESS NOTED OTHERWISE.
- UH-1 AND UH-2, 3KW ELECTRIC HEATERS, 208V. PROVIDE WITH SINGLE POLE INTERNAL THERMOSTAT, SET AT 65° F AND POWER DISCONNECT SWITCH. INCLUDE AND MOUNT TO UNIVERSAL WALL MOUNTING BRACKET. MOUNT TO AVOID INTERFERENCES WITH ROOM EQUIPMENT. MARK #MH03-B1 (HEATER); MT-1 (THERMOSTAT); MPDS-25 (DISCONNECT); MMB-5 (BRACKET). MOUNT AS HIGH AS POSSIBLE.
- MOUNT ALL RECEPTACLES AT 18" ABOVE STAGE FLOOR UNLESS NOTED OTHERWISE. VERIFY HEIGHTS WITH ARCHITECTS PRIOR TO ROUGH-IN.
- NEMA 10-50R RECEPTACLE TO BE HUBBELL #1162 WITH HUBBELL #420 WP COVER. NEMA L14-30R RECEPTACLE TO BE HUBBELL #210A WITH HUBBELL #1425WQA WP COVER. MOUNT RECEPTACLES FLUSH IN WALL 24" ABOVE GRADE.
- 120V RECEPTACLES TO BE HUBBELL #6F5362 WITH HUBBELL #WFS26 WP COVERS.
- SOUND SYSTEM TO BE COMPRISED OF THE FOLLOWING:
 - A. (1) AMP - BOGEN TPU-100 (PROVIDE ENCLOSURE)
 - B. SPEAKER CABLE - WEST PENN 225 (16 GAUGE)
 - C. (2) HORNS - ATLAS BIA-100
 - D. (2) DRIVERS - ATLAS PDS0T
 - E. MIC CABLE - WEST PENN 242
 - F. (3) MIC PLATES - RAPCO SPI-DF
 - G. MIC CABLE - RAPCO SPI-DF
 - H. (1) MICROPHONE - SHURE SM58
 - I. (1) MIC STAND - ATLAS MS12CE
 CONTACT JOHN CROOKSTON AT CROOKSTON AUDIO (616) 226-0122 FOR MORE INFORMATION.



ROTARY STAGE ENLARGED POWER PLAN

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



PANEL SCHEDULE									
PANEL	C.B. USED	SPACE	POLES	VOLTAGE	FLUSH SURFACE	MCB	PANEL TYPE	COMMENTS	LOAD
SPI	(6) 20A, IP, GFI, CB (10) 20A, IP, CB (2) 20A, 2P, CB (2) 30A, 2P, CB (2) 50A, 2P, CB	14	42	208Y/120V 3PH, 4W	SURFACE	200A MLO	NGOOD		44.3 KW

① BASED ON SQUARE-D

TOTAL CONNECTED LOAD SUMMARY	
DESCRIPTION	KW
LIGHTS	3.6 KW
RECEPTACLES	24.2 KW
POWER	6 KW
MISC.	5 KW
TOTAL	44.3 KW (125A @ 208V, 3PH)

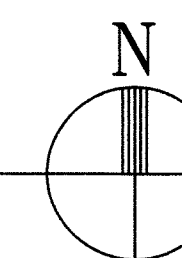
FEEDER SCHEDULE			
MARK	CONDUIT	FEEDER	COMMENTS
(A)	(1) 2-1/2" PVC	(4) #4/0 THWN (1) #6 GND	PROVIDE SEPARATE EQUIP. GND. CONDUCTOR
(B)	(1) 1-1/2" PVC	(4) #1 AWG THWN (1) #2 GND	PROVIDE SEPARATE EQUIP. GND. CONDUCTOR

SYMBOL LEGEND

- ⊕ 120V, GFI, WP, RECEPTACLE
- ⊕ 208V RECEPTACLE
- UNDERGROUND CONDUIT OR GROUND CABLE
- ⊕ GROUND ROD
- ELECTRICAL PANEL
- ⊕ UNIT HEATER
- ⊕ DISCONNECT SWITCH
- ⊕ MICROPHONE JACK

ROTARY STAGE POWER PLAN

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



KALAMAZOO ROTARY STAGE
 KALAMAZOO, MICHIGAN
 Bronson Park
 98071

2/22/99 REVIEW
 3/15/99 ISSUED FOR BID
 5/1/99 REISSUED FOR COST REDUCTIONS

Eckert/Wordell Architects

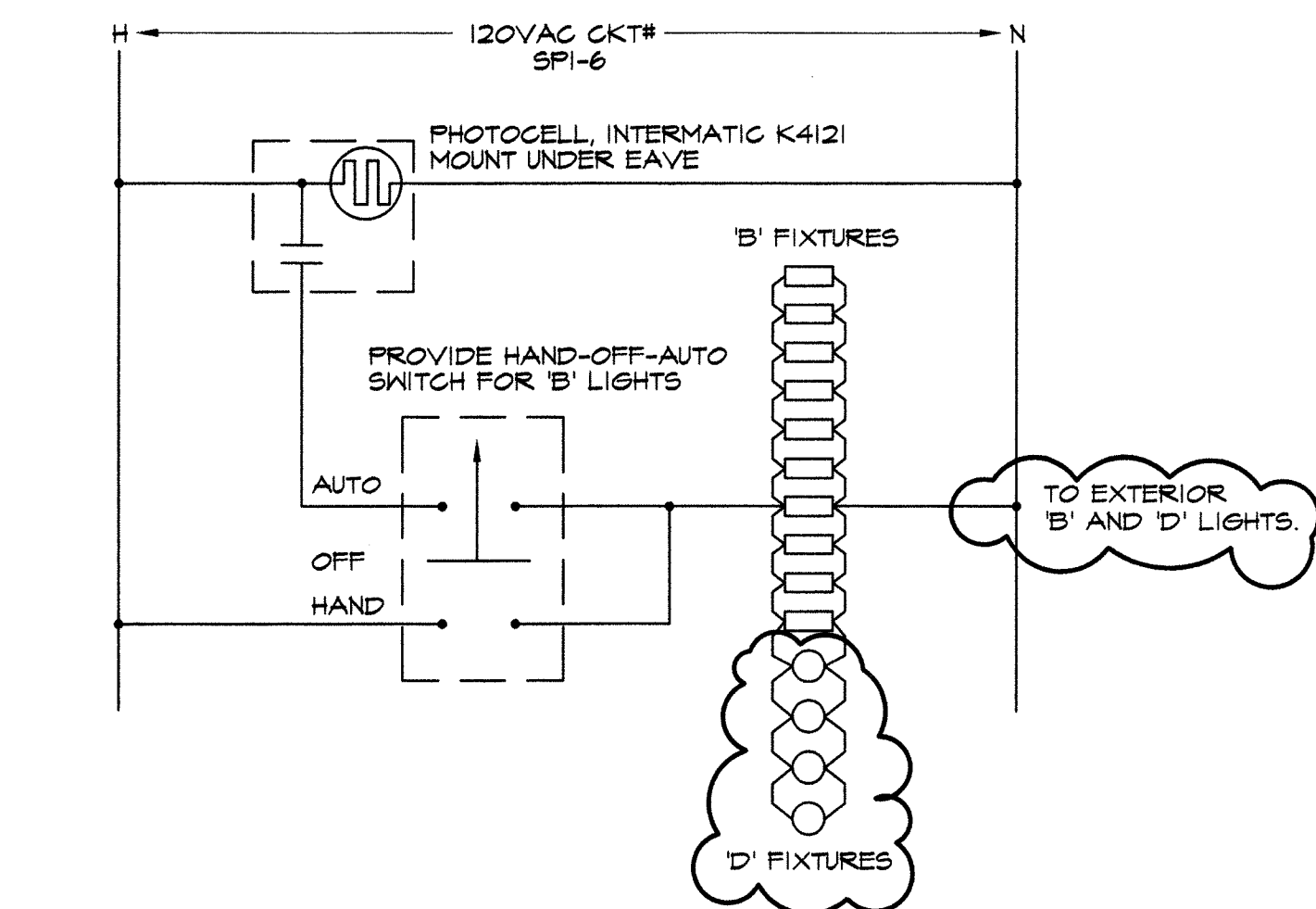
161 E. Michigan Ave.
 Kalamazoo, MI 49007
 616 388 7313
 616 388 7330 Fax

ROTARY STAGE
 POWER PLAN

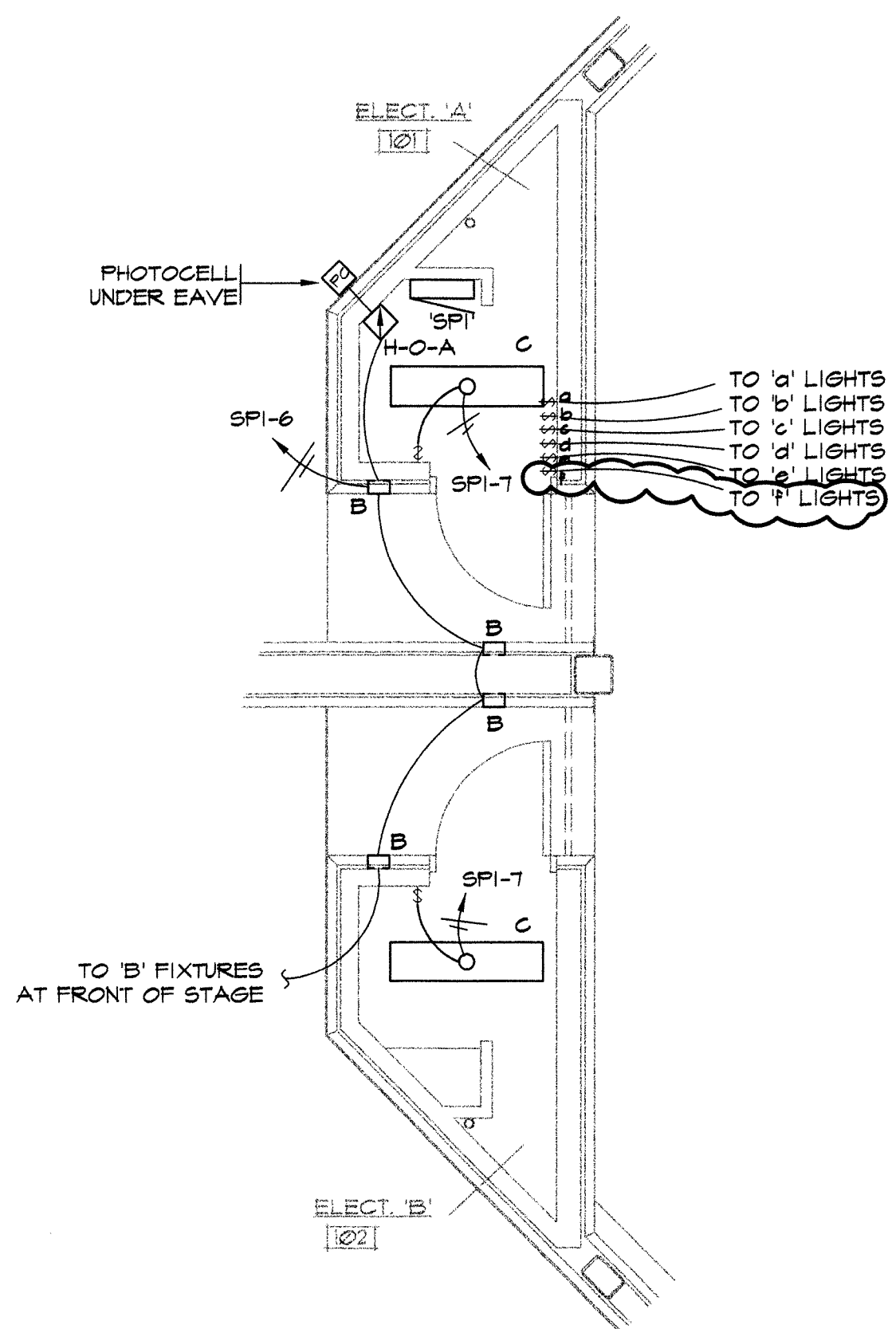
E1-01

SHEET NOTES:

1. ALL CIRCUITS 20A, 1P, CB UNLESS NOTED OTHERWISE.
2. SEE ARCHITECTURAL SHEETS FOR CONDUIT ROUTING OF 'A' AND 'AI' FIXTURES AND SPEAKER CONDUIT.
3. VERIFY SPEAKER MOUNTING POSITIONS WITH ARCHITECTURAL.
4. VERIFY ROUGH-IN LOCATION HEIGHTS OF 'B' FIXTURES WITH ARCHITECTS.
5. CIRCUITS SPI-1 THRU SPI-5 AND SPI-28 TO BE 20A, 1P, GFI, CB.

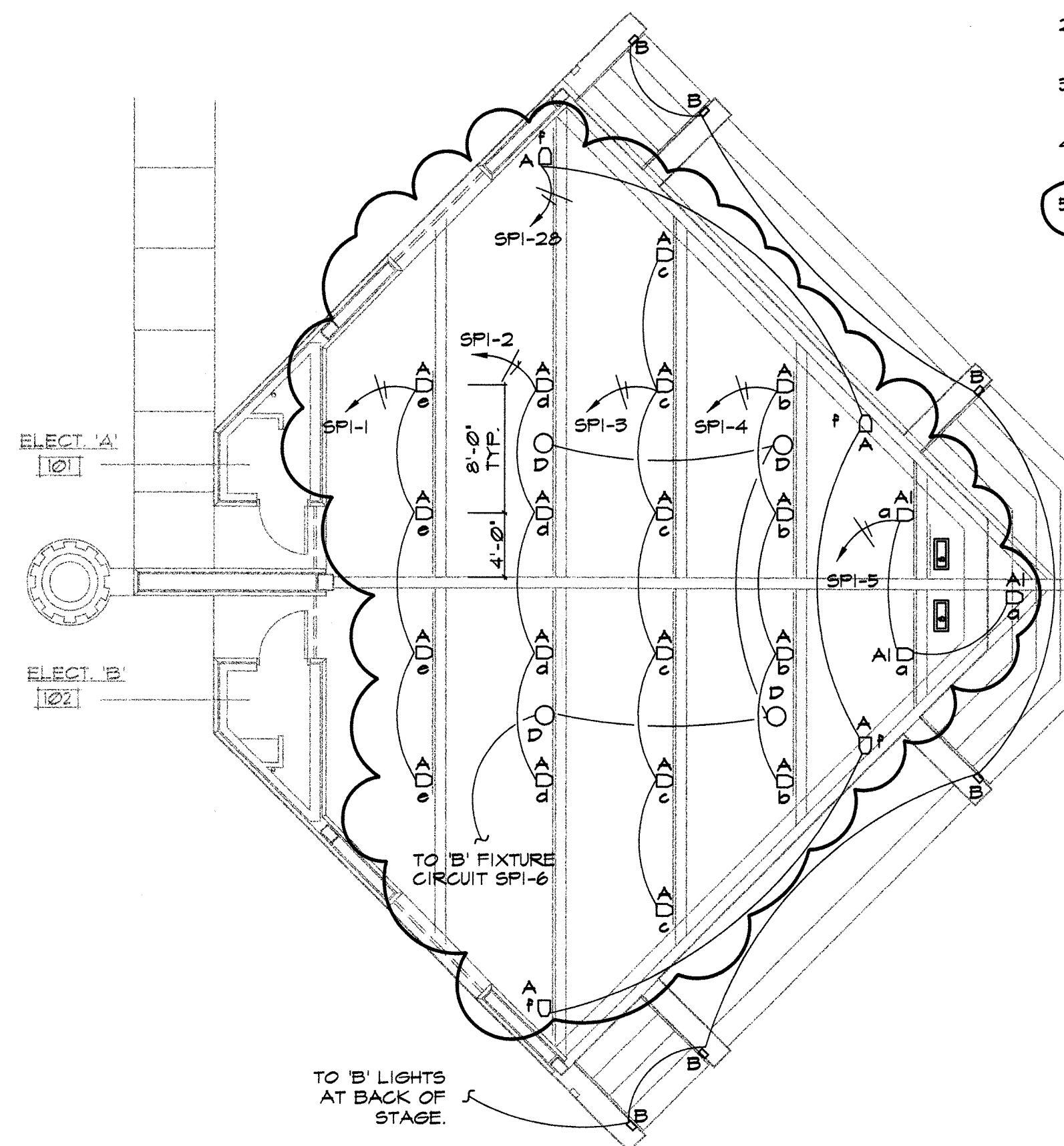


EXTERIOR LIGHTING CONTROL DIAGRAM
NO SCALE



ROTARY STAGE ENLARGED LIGHTING PLAN

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



ROTARY STAGE LIGHTING PLAN

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

SYMBOL LEGEND

- DIRECTIONAL STAGE LIGHTING
- RECESSED WALL FIXTURE
- ELECTRICAL PANEL
- SURFACE MOUNTED 1x4 FLUORESCENT
- WALL SWITCH
- PUBLIC ADDRESS SPEAKER

KALAMAZOO ROTARY STAGE
KALAMAZOO, MICHIGAN

Bronson Park

98071

- 2/22/99 REVIEW
- 3/15/99 ISSUED FOR BID
- 5/1/99 REISSUED FOR COST REDUCTIONS

LIGHT FIXTURE SCHEDULE		
MARK	DESCRIPTION	MANUFACTURER AND CATALOG NUMBER
A	BOX MOUNTED 500W MEDIUM FLOOD SPOTLIGHT, ALUMINUM AND STEEL CONSTRUCTION, GLASS LENS, BLACK FINISH, 120V. (1) 300PAR56MFL.	LIGHTING SERVICES INC. (LSI) #300-5-B-120V
AI	BOX MOUNTED 500W MEDIUM FLOOD SPOTLIGHT, ALUMINUM AND STEEL CONSTRUCTION, GLASS LENS, BLACK FINISH, 120V. (1) 300PAR64MFL.	LIGHTING SERVICES INC. (LSI) #500-5-B-120V
B	WALL MOUNTED DECORATIVE LIGHT FIXTURE, GREY FINISH, LOW VOLTAGE, 12V. (2) 20W, 64, 12 LAMPS. PROVIDE (10) EXTRA LAMPS.	BEGA #1228 PROVIDE #510 CONCRETE BOX
C	1 X 4 SURFACE MOUNT WHITE STEEL SIDED MODULAR FIXTURE, 125" ACRYLIC LENS, (2) T8 LAMPS, ELECTRONIC BALLAST, PAINT AFTER FABRICATION, 120V. (2) F32T8/SP41 LAMPS.	LITHONIA #M232-A12.125-120-SEB-PAF
D	6" WALL MOUNTED ROUND DOWNLIGHT CYLINDER, BALCK BAFFLE AND HOUSING, 120V. (1) 150W PAR38 FLOOD LAMP.	GOTHAM #CM-6-MB-BL-120V

Eckert/Wordell Architects

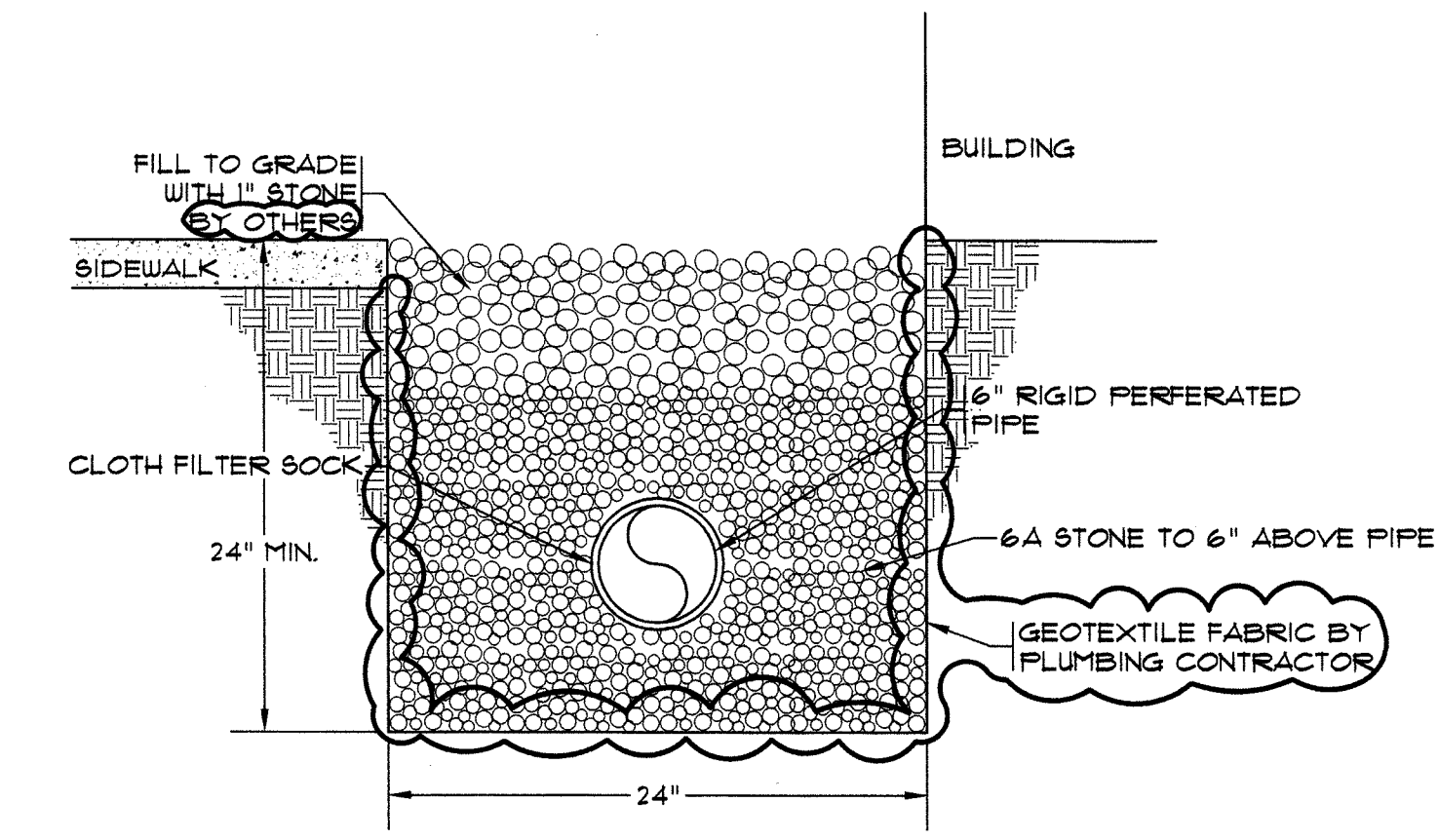
161 E. Michigan Ave.
Kalamazoo, MI 49007
616 388 7313
616 388 7330 Fax

ROTARY STAGE
LIGHTING PLAN

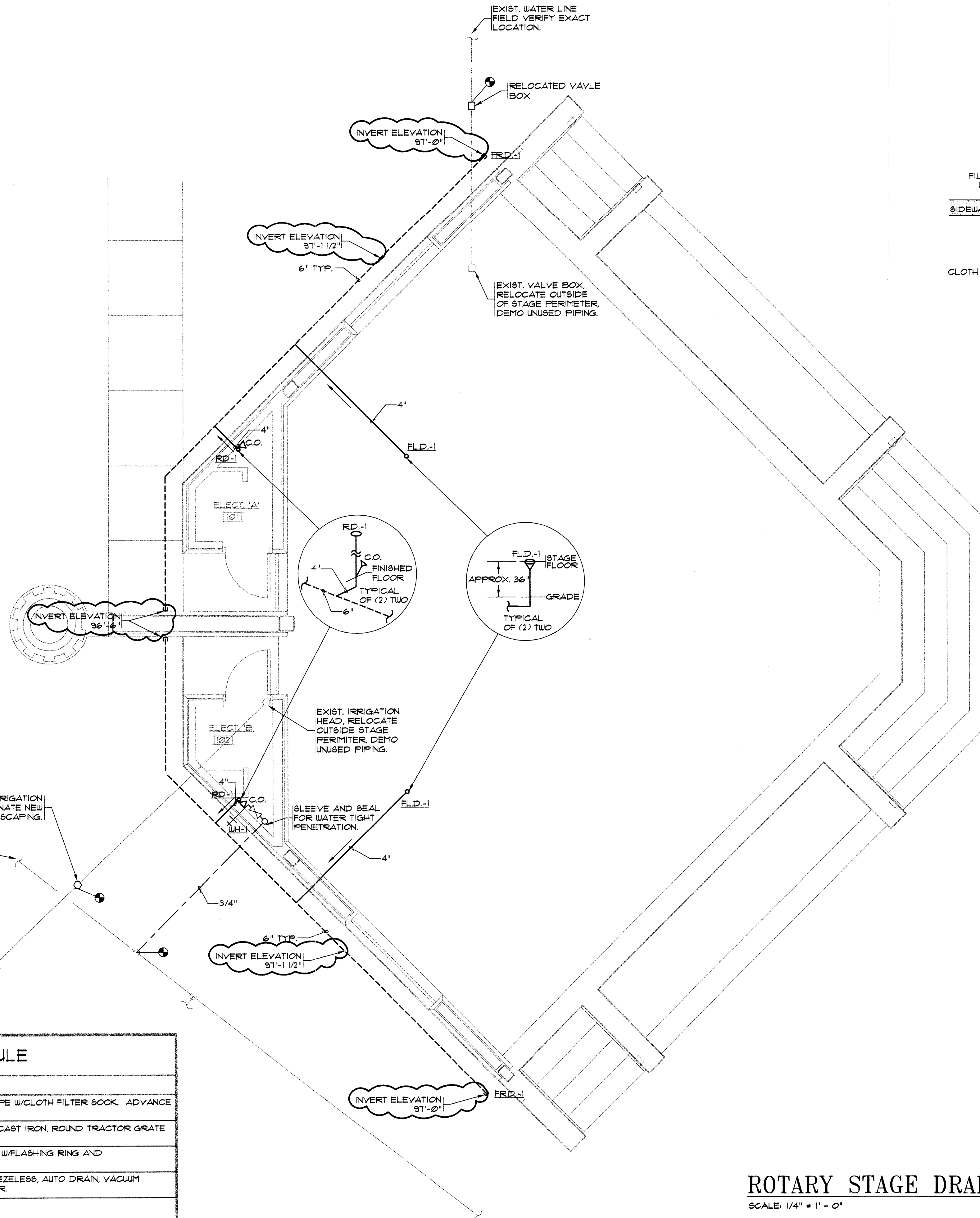
E1-02

PLUMBING GENERAL SPECIFICATIONS:

1. CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING CONDITIONS RELATING TO WORK REQUIRED.
2. CONTRACTOR SHALL PAY FOR ALL NECESSARY PERMITS, FEES, TAXES AND APPROVALS FOR CONSTRUCTION.
3. CONTRACTOR'S WORK SHALL COMPLY WITH ALL LOCAL, STATE, NATIONAL CODES AND ORDINANCES THAT APPLY.
4. PATCH ALL WALL, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING.
5. PROVIDE HANGERS AND SUPPORTS AS REQUIRED BY CODE.
6. FIRE STOP ALL WALL, FLOOR AND CEILING PENETRATIONS WHERE REQUIRED TO MAINTAIN FIRE SEPERATION INTEGRITY. USE UL LISTED MATERIAL.
7. FOR TIE-INS TO EXISTING SYSTEM, EXISTING MUST BE EQUAL TO OR LARGER THAN NEW.
8. CONTRACTOR SHALL REMOVE ALL SALVAGE MATERIALS AND DEBRIS FROM THE SITE AND REPLACE OR REPAIR ALL AREAS DAMAGED OR DISTURBED BY THE CONSTRUCTION.
9. ALL EQUIPMENT, PIPING AND FIXTURES SHALL BE INSTALLED PER CODE AND LOCAL AUTHORITY HAVING JURISDICTION.
10. DOMESTIC COLD WATER PIPING SHALL BE COPPER TYPE 'L' ABOVE GRADE AND COPPER TYPE 'K' BELOW GRADE. USE LEAD FREE SOLDER.
11. INSULATE EXPOSED DOMESTIC COLD PIPING WITH 1" FLEXIBLE FOAM RUBBER WITH VAPOUR BARRIER. FITTINGS AND VALVES SHALL BE COVERED WITH SAME.
12. ROOF AND FLOOR DRAIN PIPING SHALL BE CAST IRON ASTM A14. INSULATE ROOF DRAIN SUMP, HORIZONTAL, AND FIRST TWO FOOT OF VERTICAL WITH 1" FLEXIBLE FOAM RUBBER.
13. SLOPE ALL STORM WASTE PIPING 1/4" PER FOOT WHERE POSSIBLE AND A MINIMUM OF 1/8" PER FOOT.
14. CAULK EACH PLUMBING FIXTURE BETWEEN WALLS AND FLOORS WITH WHITE SILICONE RUBBER SEALANT.
15. PROVIDE BRASS CLEANOUT COVERS ON WALL CLEANOUTS.
16. PROVIDE DI-ELECTRIC FITTINGS WHERE ANY DISSIMILAR METALS ARE CONNECTED.



FRENCH DRAIN DETAIL
NO SCALE
SEE ARCH. PLANS.



ABBREVIATIONS / SYMBOL LEGEND

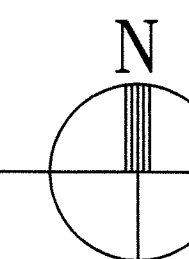
A.F.F.	ABOVE FINISHED FLOOR
C.O.	CLEAN OUT
C.W.	COLD WATER
EXIST.	EXISTING
G.C.	GENERAL CONTRACTOR
I.E.	INVERT ELEVATION
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
STR.	STORY SEWER
TYP.	TYPICAL
V.	VENT
	SOLID DRAIN PIPE
	PERFORATED DRAIN PIPE
	EXISTING LINES
	COLD WATER
	RISE
	DROP
	ISOLATION VALVE
	CHECK VALVE (ARROW INDICATES DIRECTION OF FLOW)
	CLEANOUT
	EXIST. VALVE BOX
	NON-FREEZE WALL HYDRANT MOUNTED AT 18" ABOVE GRADE.
	CONNECT TO EXISTING
	INDICATES DIRECTION OF FLOW
	CONTINUES ON
	EXIST. SPRINKLER HEAD CAPPED END

EQUIPMENT SCHEDULE	
MARK	DESCRIPTION
FRD-1	FRENCH DRAIN - RIGID PERFORATED POLYETHYLENE PIPE W/CLOTH FILTER SOCK. ADVANCE DRAIN, HANCOR.
FLD-1	FLOOR DRAIN - WADE MODEL 1104T81-119, HEAVY DUTY CAST IRON, ROUND TRACTOR GRATE STRAINER W/SECURITY SCREWS. NO P-TRAP
RD-1	ROOF DRAIN WADE MODEL 3224-5-53, CAST IRON BODY W/FLASHING RING AND POLYPROPYLENE DOME
WH-1	WALL HYDRANT - WOODFORD MODEL B-65 SERIES, FREEZELESS, AUTO DRAIN, VACUUM BREAKER, LOOSE KEY OPERATES HYDRANT AND DOOR.

- ALL EQUIPMENT SHALL BE AS SPECIFIED, OR APPROVED EQUAL.

ROTARY STAGE DRAINAGE AND WATER PLAN

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



KALAMAZOO ROTARY STAGE
KALAMAZOO, MICHIGAN

Bronson Park
98071

2/22/99 REVIEW
3/5/99 ISSUED FOR BID
5/1/99 REISSUED FOR COST REDUCTIONS

Eckert/Wordell Architects

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ROTARY STAGE
PLUMBING PLAN

P1-1