Florida's Warmest Welcome

CITY OF POMPANO BEACH
REQUEST FOR PROPOSALS
P-04-19
Amphitheater – Custom Roof Addition for Seating Coverage

MANDATORY PRE-PROPOSAL CONFERENCE
AND
MANDATORY WALK-THRU
NOVEMBER 14, 2:00 P.M.
EMMA LOU OLSEN CIVIC CENTER CONFERENCE ROOM
1801 NE 6TH STREET
POMPANO BEACH, FLORIDA 33060

RFP OPENING: DECEMBER 19, 2018 2:00 P.M.
PURCHASING OFFICE
1190 N.E. 3RD AVENUE, BUILDING C (Front)
POMPANO BEACH, FLORIDA 33060

November 5, 2018

CITY OF POMPANO BEACH, FLORIDA

REQUEST FOR PROPOSALS
P-04-18

Amphitheater – Custom Roof Addition for Seating Coverage

The City is seeking proposals from qualified firms to provide turnkey design and installation services of a custom roof system to provide full coverage over the seating area at the Amphitheater (The Amp).

The City will receive sealed proposals until, **2:00 p.m. (local), on December 19, 2018.** Proposals must be submitted electronically through the eBid System on or before the due date/time stated above. Any proposal received after the due date and time specified, will not be considered. Any uncertainty regarding the time a proposal is received will be resolved against the Proposer.

Proposer must be registered on the City's eBid System in order to view the solicitation documents and respond to this solicitation. The complete solicitation document can be downloaded for free from the eBid System as a pdf at: https://pompanobeachfl.ionwave.net/CurrentSourcingEvents.aspx. The City is not responsible for the accuracy or completeness of any documentation the Proposer receives from any source other than from the eBid System. Proposer is solely responsible for downloading all required documents. A list of proposers will be read aloud in a public forum.

Mandatory Pre-Proposal Meeting and Mandatory Walk-Thru

There will be a mandatory pre-proposal meeting and mandatory walk-thru to review the City's expectations for the project, including backgrounds and scopes, and to answer questions from potential proposers on **November 14, 2018, beginning at 2:00 p.m**. in The AMP, 1801 Northeast 6th Street, Pompano Beach, Florida, 33060. Applicants are required to attend the mandatory site meeting with Parks and Recreation personnel to develop the entire scope of work including, but not limited to design, permitting and installation services. Proposers must set aside up to 2 hours for the walk-thru including time for questions, photos, etc. **Proposals will not be accepted from firms that do not attend these mandatory meetings.**

Introduction

The City intends to issue a single contract to a qualified contractor to provide turnkey services to the City to design and install a custom roof system to provide full coverage over The Amp's seating area.

The project entails installing a roof that will provide coverage from the elements and allow The Amp to operate even on rainy days. The structure shall be an iconic feature and shall be designed to withstand wind loads in accordance with applicable State of Florida building codes.

In addition, the City wishes to entertain adding a cupula/art element to the existing Amp's roof system similar to one that was recently removed. This art element will be considered an add-alternate and it is not presently funded.

The budget for this project has been set to $3.5 million inclusive of all services, permitting fees, etc. No additional funding is available.

A. Scope Of Services

The scope of services may include, but is not limited, to the following:

- Prepare preliminary design plans and/or design alternative recommendations for interior improvements based on input from City staff.
- Conduct presentations to elected officials, staff, and the public, if necessary.
- Prepare required documents for the project. This will include preparing surveys, design plans, technical specifications, construction plans, etc.
- Attendance at City Commission meetings may be required.
- Coordinate processing the projects through all required governmental and quasi-governmental agencies, City Departments and other appropriate review boards.
- Prepare and process all required permit applications and submittal packages as required for permit issuance of all agency permits (i.e. State, County and City)
- Provide installation and construction oversight for the project. Proposer may need to make provisions for threshold inspections, shop drawing/contractor submittal reviews and approvals, responding to subcontractor requests for information, and reviewing subcontractor payment applications, if applicable.
- Provide project close-out services. This may include preliminary and final acceptance of projects, preparation and approval of punch list items and project certification as required to all permitting agencies.

Firms must have previous municipal experience.

B. Tasks/Deliverables

Firms will develop plans and will interact with City staff at various design intervals (30-60-90%) and during installation and construction. Firms will prepare 100% construction plans. Firms will assist and secure required permits process in a timely fashion, if applicable. Firms will provide full construction services and final project certification. Team members shall develop the scope of work based on input provided by City staff and prepare design and construction documents that meet the budget.

C. Term of Contract

Project shall be completed by no later than September 30, 2020.

D. Local Business Program

On March 13, 2018, the City Commission approved Ordinance 2018-112, establishing a Local Business Program, a policy to increase the participation of City of Pompano Beach businesses in the City's procurement process.

For purposes of this solicitation, “Local Business” will be defined as follows:

1. **TIER 1 LOCAL VENDOR.** POMPANO BEACH BUSINESS EMPLOYING POMPANO BEACH RESIDENTS. A business entity which has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least ten percent who are residents of the City of Pompano Beach or includes subcontracting commitments to Local Vendors Subcontractors for at least ten percent of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.

2. **TIER 2 LOCAL VENDOR.** BROWARD COUNTY BUSINESS EMPLOYING POMPANO BEACH RESIDENTS OR UTILIZING LOCAL VENDOR SUBCONTRACTORS. A business entity which has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach or includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value. The permanent place of business may not be a post office box. The business must be located in a non- residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the respective Broward County municipality for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.

3. **LOCAL VENDOR SUBCONTRACTOR.** POMPANO BEACH BUSINESS. A business entity which has maintained a permanent place of business within the city limits of the City of Pompano Beach. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.

You can view the list of City businesses that have a current Business Tax Receipt on the City’s website, and locate local firms that are available to perform the work required by the bid specifications. The business information, sorted by business use classification, is posted on the webpage for the Business Tax Receipt Division: www.pompanobeachfl.gov by selecting the Pompano Beach Business Directory in the Shop Pompano! section.

The City of Pompano Beach is **strongly committed** to insuring the participation of City of Pompano Beach Businesses as contractors and subcontractors for the procurement

of goods and services, including labor, materials and equipment. Proposers are required to participate in the City of Pompano Beach's Local Business Program by including, as part of their package, the Local Business Participation Form (Exhibit A,) listing the local businesses that will be used on the contract, and the Letter of Intent Form (Exhibit B) from each local business that will participate in the contract.

The required goal for this RFP is 10% for Local Vendor.

If a Prime Contractor/Vendor is not able to achieve the level of goal attainment of the contract, the Prime Vendor will be requested to demonstrate and document that good faith efforts were made to achieve the goal by providing the Local Business Unavailability Form (Exhibit C), listing firms that were contacted but not available, and the Good Faith Effort Report (Exhibit D), describing the efforts made to include local business participation in the contract. This documentation shall be provided to the City Commission for acceptance.

NOTE:
The awarded proposer will be required to submit "Local Business Subcontractor Utilization Reports" during projects and after projects have been completed. The reports will be submitted to the assigned City project manager of the project. The Local Business Subcontractor Utilization Report template and instructions have been included in the bid document. The Frequency of the submittals will be determined by the City project Manager.

Failure to meet Local Vendor Goal commitments will result in "unsatisfactory" compliance rating. Unsatisfactory ratings may impact award of future projects if a sanction is imposed by the City Commission.

The city shall award a Local Vendor preference based upon vendors, contractors, or subcontractors who are local with a preferences follows:

1. For evaluation purposes, the Tier 1 and Tier 2 businesses shall be a criterion for award in this Request for Proposal (RFP). No business may qualify for more than one tier level.

2. For evaluation purposes, local vendors shall receive the following preferences:

   a. Tier 1 business as defined by this subsection shall be granted a preference in the amount of five percent of total score.

   b. Tier 2 business as defined by this subsection shall be granted a preference in the amount of two and one-half percent of total score.

3. It is the responsibility of the awarded vendor/contractor to comply with all Tier 1&2 guidelines. The awarded vendor/contractor must ensure that all requirements are met before execution of a contract.

NOTE IN ORDER FOR YOUR FIRM TO COMPLY WITH THE CITY'S LOCAL BUSINESS PROGRAM AS A TIER 1 OR TIER 2 VENDOR, BIDDERS MUST COMPLETE THE INFORMATION ON THE COMPLIANCE FORM AND UPLOAD THE FORM TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

E. Required Proposal Submittal

Submission/Format Requirements

Sealed proposals shall be submitted electronically through the eBid System on or before the due date/time stated above. Proposer shall upload response as one (1) file to the eBid System. The file size for uploads is limited to 100 MB. If the file size exceeds 100 MB the response must be split and uploaded as two (2) separate files.

Information to be included in the proposal: In order to maintain comparability and expedite the review process, it is required that proposals be organized in the manner specified below, with the sections clearly labeled:

Title page:
Show the project name and number, the name of the Proposer's firm, address, telephone number, name of contact person and the date.

Table of Contents:
Include a clear identification of the material by section and by page.

Letter of Transmittal:
Briefly state the Proposer's understanding of the project and express a positive commitment to provide the services described herein. State the name(s) of the person(s) who will be authorized to make representations for the Proposer, their title(s), office and E-mail addresses and telephone numbers. Please limit this section to two pages.

Fees & Costs:
Include a concise narrative with sufficient detail indicating the proposed approach to providing the required services, including a description of the types and qualities of service that would be provided. Provide a cost for each of the major services provided along with the estimated number of expected work hours for each qualified staff.

Proposer shall itemize all costs to complete all and necessary tasks as described under Scope of Services. Costs associated with travel as well as miscellaneous expenses should be adequately described.

Schedule:
Proposer shall provide a timeline that highlights proposed tasks that will meet all applicable deadlines.

References:
Submit a client reference list, including name of contact, firm and/or governmental entity, address, telephone number and type of service provided to each reference.

Local Businesses:
Completed Local Business program forms, Exhibits A-D.

Litigation:
Disclose any litigation within the past five (5) years arising out your firm's performance.

City Forms:
The RFP Proposer Information Page Form and any other required forms must be completed and submitted electronically through the City's eBid System.

The City reserves the right to request additional information to ensure the proposer is financially solvent and has sufficient financial resources to perform the contract and shall provide proof thereof of its financial solvency. The City may as at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting contract and provide the required materials and/or services.

Reviewed and Audited Financial Statements:

Proposers shall be financially solvent and appropriately capitalized to be able to service the City for the duration of the contract. Proposers shall provide a complete financial statement of the firm's most recent audited financial statements, indicating organization's financial condition and uploaded as a separate file titled "Financial Statements" to the Response Attachments tab in the eBid System.

Financial statements provided shall not be older than twelve 12) months prior to the date of filing this solicitation response. The financial statements are to be reviewed and submitted with any accompanying notes and supplemental information. The City of Pompano Beach reserve the right to reject financial statements in which the financial condition shown is of a date twelve (12) months or more prior to the date of submittals.

The City is a public agency subject to Chapter 119, Florida's Public Records Law and is required to provide the public with access to public records, however, financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure.

The City reserves the right to request additional information to ensure the proposer is financially solvent and has sufficient financial resources to perform the contract and shall provide proof thereof of its financial solvency. The City may as at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting contract and provide the required materials and/or services.

A combination of two (2) or more of the following may substitute for audited financial statements:

1) Bank letters/statements for the past 3 months
2) Balance sheet, profit and loss statement, cash flow report
3) IRS returns for the last 2 years
4) Letter from CPA showing profits and loss statements (certified)

F. Insurance

CONTRACTOR shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the CITY's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to CITY staff responsible for oversight of the subject project/contract.

CONTRACTOR is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage.

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONTRACTOR, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONTRACTOR under this Agreement.

Throughout the term of this Agreement, CONTRACTOR and all subcontractors or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements.

A. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. CONTRACTOR further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

B. Liability Insurance.

(1) Naming the City of Pompano Beach as an additional insured as CITY's interests may appear, on General Liability Insurance only, relative to claims which arise from CONTRACTOR's negligent acts or omissions in connection with Contractor's performance under this Agreement.

(2) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

Type of Insurance		**Limits of Liability**
GENERAL LIABILITY:		Minimum $1,000,000 Per Occurrence and $2,000,000 Per Aggregate
* Policy to be written on a claims incurred basis		
XX	comprehensive form	bodily injury and property damage
XX	premises - operations	bodily injury and property damage
__	explosion & collapse hazard	
__	underground hazard	
XX	products/completed operations hazard	bodily injury and property damage combined
XX	contractual insurance	bodily injury and property damage combined
XX	broad form property damage	bodily injury and property damage combined
XX	independent contractors	personal injury
XX	personal injury	

__	sexual abuse/molestation	Minimum $1,000,000 Per Occurrence and Aggregate
__	liquor legal liability	Minimum $1,000,000 Per Occurrence and Aggregate

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AUTOMOBILE LIABILITY:	Minimum $1,000,000 Per Occurrence and Aggregate. Bodily injury (each person) bodily injury (each accident), Property damage, bodily injury and property damage combined.
XX comprehensive form	
XX owned	
XX hired	
XX non-owned	

REAL & PERSONAL PROPERTY

__ comprehensive form	Agent must show proof they have this coverage.

EXCESS LIABILITY		Per Occurrence	Aggregate
__ other than umbrella	bodily injury and property damage combined	$1,000,000	$1,000,000

PROFESSIONAL LIABILITY		Per Occurrence	Aggregate
XX * Policy to be written on a claims made basis		$1,000,000	$1,000,000

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(3) If Professional Liability insurance is required, Contractor agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the termination or expiration of the Agreement for a period of four (4) years unless terminated sooner by the applicable statute of limitations.

CYBER LIABILITY		Per Occurrence	Aggregate
__ * Policy to be written on a claims made basis		$1,000,000	$1,000,000

__ Network Security / Privacy Liability
__ Breach Response / Notification Sublimit (minimum limit of 50% of policy aggregate)
__ Technology Products E&O - $1,000,000 (only applicable for vendors supplying technology related services and or products)
__ Coverage shall be maintained in effect during the period of the Agreement and for not less than four (4) years after termination/ completion of the Agreement.

C. Employer's Liability. If required by law, CONTRACTOR and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability Insurance in the minimum amount of One Hundred Thousand Dollars ($100,000.00) per employee, Five Hundred Thousand Dollars ($500,000) per aggregate.

D. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONTRACTOR, the CONTRACTOR shall promptly provide the following:

(1) Certificates of Insurance evidencing the required coverage;

(2) Names and addresses of companies providing coverage;

(3) Effective and expiration dates of policies; and

(4) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

E. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

F. Waiver of Subrogation. CONTRACTOR hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONTRACTOR shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONTRACTOR enter into such an agreement on a pre-loss basis.

G. Selection/Evaluation Process

A Selection/Evaluation Committee will be appointed to select the most qualified firm(s). The Selection/Evaluation Committee will present their findings to the City Commission.

Proposals will be evaluated using the following criteria.

	Criteria	Point Range
1	**Experience and Expertise** • Previous related work experience and qualifications in the subject area of personnel assigned. • Demonstrates a clear understanding of scope of work and other technical or legal issues related to the project.	0-35
2	**References** • History and performance of firm/project team on similar projects. • References and recommendations from previous clients.	0-10
3	**Resources and Methodology** • Adequacy of amount of quality resources assigned to the project. • Overall approach to project. Consideration of services provided and approach to meeting goals and deadlines. • Financial resources.	0-20

4	**Cost**	0-35
	• Including the overall project-task budget and itemized cost breakdowns.	
	Total	**0-100**

Additional 0-5% for Tier1/Tier2 Local Business will be calculated on combined scoring totals of each company.

NOTE
Financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure; however, financial statements submitted to prequalify for a solicitation, and are not required by the City, may be subject to public disclosure.

Value of Work Previously Awarded to Firm (Tie-breaker) - In the event of a tie, the firm with the lowest value of work as a prime contractor on City of Pompano Beach projects within the last five years will receive the higher ranking, the firm with the next lowest value of work shall receive the next highest ranking, and so on. The analysis of past work will be based on the City's Purchase Order and payment records.

The Committee has the option to use the above criteria for the initial ranking to short-list Proposers and to use an ordinal ranking system to score short-listed Proposers following presentations (if deemed necessary) with a score of “1” assigned to the short-listed Proposer deemed most qualified by the Committee.

Each firm should submit documentation that evidences the firm’s capability to provide the services required for the Committee’s review for short listing purposes. After an initial review of the Proposals, the City may invite Proposers for an interview to discuss the proposal and meet firm representatives, particularly key personnel who would be assigned to the project. Should interviews be deemed necessary, it is understood that the City shall incur no costs as a result of this interview, nor bear any obligation in further consideration of the submittal.

When more than three responses are received, the committee shall furnish the City Commission (for their approval) a listing, in ranked order, of no fewer than three firms deemed to be the most highly qualified to perform the service. If three or less firms respond to the RFP, the list will contain the ranking of all responses.

The City Commission has the authority to (including, but not limited to); approve the recommendation; reject the recommendation and direct staff to re-advertise the solicitation; or, review the responses themselves and/or request oral presentations and determine a ranking order that may be the same or different from what was originally presented to the City Commission.

Value of Work Previously Awarded to Firm (Tie-breaker) - In the event of a tie, the firm with the lowest value of work as a prime contractor on City of Pompano Beach projects within the last five years will receive the higher ranking, the firm with the next lowest value of work shall receive the next highest ranking, and so on. The analysis of past work will be based on the City's Purchase Order and payment records.

H. Hold Harmless and Indemnification

Proposer covenants and agrees that it will indemnify and hold harmless the City and all of its officers, agents, and employees from any claim, loss, damage, cost, charge or expense arising out of any act, action, neglect or omission by the Proposer, whether direct or indirect, or whether to any person or property to which the City or said parties may be subject, except that neither the Proposer nor any of its subcontractors will be liable under this section for damages arising out of injury or damage to persons or property directly caused by or resulting from the sole negligence of the City or any of its officers, agents or employees.

I. Right to Audit

Contractor's records which shall include but not be limited to accounting records, written policies and procedures, computer records, disks and software, videos, photographs, subcontract files (including proposals of successful and unsuccessful bidders), originals estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this contract (all the foregoing hereinafter referred to as "records") shall be open to inspection and subject to audit and/or reproduction, during normal working hours, by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the contractor or any of his payees pursuant to the execution of the contract. Such records subject to examination shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this contract.

For the purpose of such audits, inspections, examinations and evaluations, the Owner's agent or authorized representative shall have access to said records from the effective date of this contract, for the duration of the Work, and until 5 years after the date of final payment by Owner to Consultant pursuant to this contract.

Owner's agent or its authorized representative shall have access to the Contractor's facilities, shall have access to all necessary records, and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with this article. Owner's agent or its authorized representative shall give auditees reasonable advance notice of intended audits.

Contractor shall require all subcontractors, insurance agents, and material suppliers (payees) to comply with the provisions of this article by insertion of the requirements hereof in any written contract agreement. Failure to obtain such written contracts which include such provisions shall be reason to exclude some or all of the related payees' costs from amounts payable to the Contractor pursuant to this contract.

J. Retention of Records and Right to Access

The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida’s Public Records Law, as amended. Specifically, the Contractor shall:

a. Keep and maintain public records required by the City in order to perform the service;

b. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law;

c. Ensure that public records that are exempt or that are confidential and exempt from public record requirements are not disclosed except as authorized by law;

d. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City; and

e. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

K. Communications

No negotiations, decisions, or actions shall be initiated or executed by the firm as a result of any discussions with any City employee. Only those communications, which are in writing from the City, may be considered as a duly authorized expression on behalf of the City. In addition, only communications from firms that are signed and in writing will be recognized by the City as duly authorized expressions on behalf of firms.

L. No Discrimination

There shall be no discrimination as to race, sex, color, age, religion, or national origin in the operations conducted under any contract with the City.

M. Independent Contractor

The selected firm will conduct business as an independent contractor under the terms of this contract. Personnel services provided by the firm shall be by employees of the firm and subject to supervision by the firm, and not as officers, employees, or agents of the City. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under this agreement shall be those of the firm.

N. Staff Assignment

The City of Pompano Beach reserves the right to approve or reject, for any reasons, Proposer's staff assigned to this project at any time. Background checks may be required.

O. Contract Terms

The contract resulting from this RFP shall include, but not be limited to the following terms:

The contract shall include as a minimum, the entirety of this RFP document, together with the successful Proposer's proposal. Contract shall be prepared by the City of Pompano Beach City Attorney.

If the City of Pompano Beach defends any claim, demand, cause of action, or lawsuit arising out of any act, action, negligent acts or negligent omissions, or willful misconduct of the contractor, its employees, agents or servants during the performance of the contract, whether directly or indirectly, contractor agrees to reimburse the City of Pompano Beach for all expenses, attorney's fees, and court costs incurred in defending such claim, cause of action or lawsuit.

P. Waiver

It is agreed that no waiver or modification of the contract resulting from this RFP, or of any covenant, condition or limitation contained in it shall be valid unless it is in writing and duly executed by the party to be charged with it, and that no evidence of any waiver or modification shall be offered or received in evidence in any proceeding, arbitration, or litigation between the parties arising out of or affecting this contract, or the right or obligations of any party under it, unless such waiver or modification is in writing, duly executed as above. The parties agree that the provisions of this paragraph may not be waived except by a duly executed writing.

Q. Survivorship Rights

This contract resulting from this RFP shall be binding on and inure to the benefit of the respective parties and their executors, administrators, heirs, personal representative, successors and assigns.

R. Termination

The contract resulting from this RFP may be terminated by the City of Pompano Beach without cause upon providing contractor with at least sixty (60) days prior written notice.

Should either party fail to perform any of its obligations under the contract resulting from this RFP for a period of thirty (30) days after receipt of written notice of such failure, the non-defaulting part will have the right to terminate the contract immediately upon delivery of written notice to the defaulting part of its election to do so. The foregoing rights of termination are in addition to any other rights and remedies that such party may have.

S. Manner of Performance

Proposer agrees to perform its duties and obligations under the contract resulting from this RFP in a professional manner and in accordance with all applicable local, federal and state laws, rules and regulations.

Proposer agrees that the services provided under the contract resulting from this RFP shall be provided by employees that are educated, trained and experienced, certified and licensed in all areas encompassed within their designated duties. Proposer agrees to furnish the City of Pompano Beach with all documentation, certification, authorization, license, permit, or registration currently required by applicable laws or rules and regulations. Proposer further certifies that it and its employees are now in and will maintain

good standing with such governmental agencies and that it and its employees will keep all license, permits, registration, authorization or certification required by applicable laws or regulations in full force and effect during the term of this contract. Failure of Proposer to comply with this paragraph shall constitute a material breach of contract.

T. Acceptance Period

Proposals submitted in response to this RFP must be valid for a period no less than ninety (90) days from the closing date of this solicitation.

U. RFP Conditions and Provisions

The completed proposal (together with all required attachments) must be submitted electronically to City on or before the time and date stated herein. All Proposers, by electronic submission of a proposal, shall agree to comply with all of the conditions, requirements and instructions of this RFP as stated or implied herein. All proposals and supporting materials submitted will become the property of the City.

Proposer's response shall not contain any alteration to the document posted other than entering data in spaces provided or including attachments as necessary. By submission of a response, Proposer affirms that a complete set of bid documents was obtained from the eBid System or from the Purchasing Division only and no alteration of any kind has been made to the solicitation. Exceptions or deviations to this proposal may not be added after the submittal date.

All Proposers are required to provide all information requested in this RFP. Failure to do so may result in disqualification of the proposal.

The City reserves the right to postpone or cancel this RFP, or reject all proposals, if in its sole discretion it deems it to be in the best interest of the City to do so.

The City reserves the right to waive any technical or formal errors or omissions and to reject all proposals, or to award contract for the items herein, in part or whole, if it is determined to be in the best interests of the City to do so.

The City shall not be liable for any costs incurred by the Proposer in the preparation of proposals or for any work performed in connection therein.

V. Standard Provisions

1. Governing Law

   Any agreement resulting from this RFP shall be governed by the laws of the State of Florida, and the venue for any legal action relating to such agreement will be in Broward County, Florida.

2. Licenses

   In order to perform public work, the successful Proposer shall:
   Be licensed to do business in Florida, if an entity, and hold or obtain such Contractor' and Business Licenses if required by State Statutes or local ordinances.

3. Conflict Of Interest

For purposes of determining any possible conflict of interest, each Proposer must disclose if any Elected Official, Appointed Official, or City Employee is also an owner, corporate officer, or an employee of the firm. If any Elected Official, Appointed Official, or City Employee is an owner, corporate officer, or an employee, the Proposer must file a statement with the Broward County Supervisor of Elections pursuant to §112.313, Florida Statutes.

4. Drug Free Workplace

The selected firm(s) will be required to verify they will operate a "Drug Free Workplace" as set forth in Florida Statute, 287.087.

5. Public Entity Crimes

A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statute, Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

6. Patent Fees, Royalties, And Licenses

If the selected Proposer requires or desires to use any design, trademark, device, material or process covered by letters of patent or copyright, the selected Proposer and his surety shall indemnify and hold harmless the City from any and all claims for infringement by reason of the use of any such patented design, device, trademark, copyright, material or process in connection with the work agreed to be performed and shall indemnify the City from any cost, expense, royalty or damage which the City may be obligated to pay by reason of any infringement at any time during or after completion of the work.

7. Permits

The selected Proposer shall be responsible for obtaining all permits, licenses, certifications, etc., required by federal, state, county, and municipal laws, regulations, codes, and ordinances for the performance of the work required in these specifications and to conform to the requirements of said legislation.

8. Familiarity With Laws

It is assumed the selected firm(s) will be familiar with all federal, state and local laws, ordinances, rules and regulations that may affect its services pursuant to this RFP. Ignorance on the part of the firm will in no way relieve the firm from responsibility.

9. Withdrawal Of Proposals

A firm may withdraw its proposal without prejudice no later than the advertised deadline for submission of proposals by written communication to the General Services Department, 1190 N.E. 3rd Avenue, Building C, Pompano Beach, Florida 33060.

10. Composition Of Project Team

Firms are required to commit that the principals and personnel named in the proposal will perform the services throughout the contractual term unless otherwise provided for by way of a negotiated contract or written amendment to same executed by both parties. No diversion or substitution of principals or personnel will be allowed unless a written request that sets forth the qualifications and experience of the proposed replacement(s) is submitted to and approved by the City in writing.

11. Invoicing/Payment

All invoices should be sent to City of Pompano Beach, Accounts Payable, P.O. Drawer 1300, Pompano Beach, Florida, 33061. In accordance with Florida Statutes, Chapter 218, payment will be made within 45 days after receipt of a proper invoice.

12. Public Records

a. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law, as amended. Specifically, the Contractor shall:

   i. Keep and maintain public records required by the City in order to perform the service;

   ii. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law;

   iii. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City; and

   iv. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the

contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

b. Failure of the Contractor to provide the above described public records to the City within a reasonable time may subject Contractor to penalties under 119.10, Florida Statutes, as amended.

PUBLIC RECORDS CUSTODIAN

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

CITY CLERK
100 W. Atlantic Blvd., Suite 253
Pompano Beach, Florida 33060
(954) 786-4611
RecordsCustodian@copbfl.com

W. Questions and Communication

All questions regarding the RFP are to be submitted using the Questions feature in the eBid System. Questions must be received at least seven (7) calendar days before the scheduled solicitation opening. Oral and other interpretations or clarifications will be without legal effect. Addenda will be posted to the RFP solicitation in the eBid System, and it is the Proposer's responsibility to obtain all addenda before submitting a response to the solicitation.

X. Addenda

The issuance of a written addendum or posting of an answer in response to a question submitted using the Questions feature in the eBid System are the only official methods whereby interpretation, clarification, or additional information can be given. If any addenda are issued to this RFP solicitation the addendum will be issued via the eBid System. It shall be the responsibility of each Proposer, prior to submitting their response, to contact the City Purchasing Office at (954) 786-4098 to determine if addenda were issued and to make such addenda a part of their proposal. Addenda will be posted to the RFP solicitation in the eBid System.

Y. Contractor Performance Report

The City will utilize the Contractor Performance Report to monitor and record the successful proposer's performance for the work specified by the contract. The Contractor Performance Report has been included as an exhibit to this solicitation.

COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRITY AND INCLUDE THE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RFP IN THE EBID SYSTEM.

PROPOSER INFORMATION PAGE

RFP _____, _____
(number) (RFP name)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the RFP. I have read the RFP and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) _____ Title _____

Company (Legal Registered) _____

Federal Tax Identification Number _____

Address _____

City/State/Zip _____

Telephone No. _____ Fax No. _____

Email Address _____

REQUESTED INFORMATION BELOW IS ON THE ATTRIBUTES TAB FOR THE RFP IN THE EBID SYSTEM. PROVIDE THIS INFORMATION ELECTRONICALLY.

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: _____

Vendor FEIN: _____

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over $1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or is engaged in business operations in Cuba or Syria.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or is engaged in business operations in Cuba or Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

Certified By (include Name and Title):

_____

City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060

CITY OF POMPANO BEACH
CONTRACTOR PERFORMANCE REPORT

1. Report Period: from _____ to _____

2. Contract Period: from _____ to _____

3. Bid# & or P.O.#: _____

4. Contractor Name: _____

5. City Department: _____

6. Project Manager: _____

7. Scope of Work (Service Deliverables): _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Contractor Performance Report

CATEGORY	RATING	COMMENTS
1. Quality Assurance/Quality Control - Product/Services of high quality - Proper oversight - Communication	Poor =1 Satisfactory =2 Excellent =3	
2. Record Keeping -Accurate record keeping -Proper invoicing -Testing results complete	Poor =1 Satisfactory =2 Excellent =3	
3. Close-Out Activities - Restoration/Cleanup - Deliverables met - Punch list items addressed	Poor =1 Satisfactory =2 Excellent =3	
4. Customer Service - City Personnel and Residents - Response time - Communication	Poor =1 Satisfactory =2 Excellent =3	
5. Cost Control - Monitoring subcontractors - Change-orders - Meeting budget	Poor =1 Satisfactory =2 Excellent =3	
6. Construction Schedule - Adherence to schedule - Time-extensions - Efficient use of resources	Poor =1 Satisfactory =2 Excellent =3	
SCORE	_____	**ADD ABOVE RATINGS/DIVIDE TOTAL BY NUMBER OF CATEGORIES BEING RATED**

RATINGS

Poor Performance (1.0 – 1.59)*: Marginally responsive, effective and/or efficient; delays require significant adjustments to programs; key employees marginally capable; customers somewhat satisfied.*

Satisfactory Performance (1.6 – 2.59)*: Generally responsive, effective and/or efficient; delays are excusable and/or results in minor program adjustments; employees are capable and satisfactorily providing service without intervention; customers indicate satisfaction.*

Excellent Performance (2.6 – 3.0): *Immediately responsive; highly efficient and/or effective; no delays; key employees are experts and require minimal direction; customers expectations are exceeded.*

Would you select/recommend this contractor again? _____ Yes _____ No

Please attach any supporting documents to this report to substantiate the ratings that have been provided.

_____	_____	_____
Ratings completed by (print name)	Ratings completed by signature	Date
_____	_____	_____
Department Head (print name)	Department Head Signature	Date
_____	_____	_____
Vendor Representative (print name)	Contractor Representative Signature	Date

Comments, corrective actions etc., use additional page if necessary:

_____

_____

_____

_____

_____

_____

_____

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_____

_____

_____

_____

City of Pompano Beach Florida

Local Business Subcontractor Utilization Report

Project Name (1)		Contract Number and Work Order Number (if applicable) (2)	
Report Number (3)	Reporting Period (4) to	Local Business Contract Goal (5)	Estimated Contract Completion Date (6)
Contractor Name (7)		Contractor Telephone Number (8) ( ) -	Contractor Email Address (9)
Contractor Street Address (10)	Project Manager Name (11)	Project Manager Telephone Number (12) ( ) -	Project Manager Email Address (13)

Local Business Payment Report

Federal Identification Number (14)	**Local Subcontractor Business Name** (15)	**Description of Work** (16)	**Project Amount** (17)	**Amount Paid this Reporting Period** (18)	**Invoice Number** (19)	**Total Paid to Date** (20)
		Total Paid to Date for All Local Business Subcontractors (21) **$**				0.00

I certify that the above information is true to the best of my knowledge.

Contractor Name – Authorized Personnel (print) (22)	Contractor Name – Authorized Personnel (sign) (23)	Title (24)	Date (25)

Local Business Subcontractor Utilization Report Instructions

Box (1) **Project Name –** Enter the entire name of the project.

Box (2) **Contract Number (work order) –** Enter the contract number and the work order number, if applicable (i.e., 4600001234, and if work order contract include work order number – 4600000568 WO 01).

Box (3) **Report Number -** Enter the Local Business Subcontractor Utilization Report number. Reports must be in a numerical series (i.e., 1, 2, 3).

Box (4) **Reporting Period -** Enter the beginning and end dates this report covers (i.e., 10/01/2016 – 11/01/2016). **The frequency of submittal of this report shall be determined by the City Project Manager.**

Box (5) **Local Contract Goal -** Enter the Local Contract Goal percentage on entire contract.

Box (6) **Contract Completion Date -** Enter the expiration date of the contract, (not work the order).

Box (7) **Contractor Name -** Enter the complete legal business name of the Prime Contractor.

Box (8) **Contractor Telephone Number -** Enter the telephone number of the Prime Contractor.

Box (9) **Contractor Email Address -** Enter the email address of the Prime Contractor.

Box (10) **Contractor Street Address –** Enter the mailing address of the Prime Contractor.

Box (11) **Project Manager Name -** Enter the name of the Project Manager for the Prime Contractor on the project.

Box (12) **Project Manager Telephone Number –** Enter the direct telephone number of the Prime Contractor's Project Manager.

Box (13) **Project Manager Email Address –** Enter the email address of the Prime Contractor's Project Manager.

Box (14) **Federal Identification Number –** Enter the federal identification number of the Local Subcontractor(s).

Box (15) **Local Subcontractor Business Name** – Enter the complete legal business name of the Local Subcontractor(s).

Box (16) **Description of Work –** Enter the type of work being performed by the Local Subcontractor(s) (i.e., electrical services).

Box (17) **Project Amount –** Enter the dollar amount allocated to the Local Subcontractor(s) for the entire project (i.e., amount in the subcontract agreement).

Box (18) **Amount Paid this Reporting Period** – Enter the total amount paid to the Local Subcontractor(s) during the reporting period.

Box (19) **Invoice Number** – Enter the Local Subcontractor's invoice number related to the payment reported this period.

Box (20) **Total Paid to Date** – Enter the total amount paid to the Local Subcontractor(s) to date.

Box (21) **Total Paid to Date for All Local Subcontractor(s)** – Enter the total dollar amount paid to date to all Local Subcontractors listed on the report.

Box (22) **Contractor Name Authorized Personnel (print)** – Print the name of the employee that is authorized to execute the Local Subcontractor Utilization Report.

Box (23) **Contractor Name Authorized Personnel (sign)** – Signature of authorized employee to execute the Local Subcontractor Utilization Report.

Box (24) **Title –** Enter the title of authorized employee completing the Local Subcontractor Utilization Report.

Box (25) **Date –** Enter the date of submission of the Local Subcontractor Utilization Report to the City.

REQUESTED INFORMATION BELOW IS ON LOCAL BUSINESS PROGRAM FORM ON THE BID ATTACHMENTS TAB. BIDDERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

CITY OF POMPANO BEACH, FLORIDA
LOCAL BUSINESS PARTICIPATION FORM

Solicitation # & Title: _____ Prime Contractor's Name: _____

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Materials to be Purchased	Contract Amount

LOCAL BUSINESS EXHIBIT "A

LOCAL BUSINESS EXHIBIT "B"
LETTER OF INTENT TO PERFORM AS A LOCAL SUBCONTRACTOR

RFP Number_____

TO: _____
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

_____ an individual _____ a corporation

_____ a partnership _____ a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

_____

_____

_____

_____

_____

_____

_____

_____

_____

at the following price: _____

_____ _____
(Date) (Name of Local Business Contractor)

_____
(address)

_____
(address City, State Zip Code)

BY: _____
(Name)

LOCAL BUSINESS EXHIBIT "B"

LOCAL BUSINESS EXHIBIT "C"
LOCAL BUSINESS UNAVAILABILITY FORM

RFP #_____

I,_____
(Name and Title)

of_____, certify that on the _____day of

_____, _____, I invited the following LOCAL BUSINESS(s) to bid work
(Month) (Year)

items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)

Said Local Businesses:

___ Did not bid in response to the invitation

___ Submitted a bid which was not the low responsible bid

___ Other:_____

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS EXHIBIT "D"
GOOD FAITH EFFORT REPORT LOCAL BUSINESS PARTICIPATION

RFP #_____

1. What portions of the contract have you identified as Local Business opportunities?

_____

_____

_____

_____

2. Did you provide adequate information to identified Local Businesses? Please comment on how you provided this information.

_____

_____

_____

3. Did you send written notices to Local Businesses?

____ Yes ____ No

If yes, please include copy of the notice and the list of individuals who were forwarded copies of the notices.

4. Did you advertise in local publications?

____ Yes ____ No

If yes, please attach copies of the ads, including name and dates of publication.

5. What type of efforts did you make to assist Local Businesses in contracting with you ?

_____

_____

7. List the Local Businesses you will utilize and subcontract amount.

_____ $_____

_____ $_____

_____ $_____

8. Other comments: _____

_____

LOCAL BUSINESS EXHIBIT “D” – Page 2

_____

_____

_____

LOCAL BUSINESS EXHIBIT “D”

TIER 1/TIER 2 COMPLIANCE FORM

IN ORDER FOR YOUR FIRM TO COMPLY WITH THE CITY'S LOCAL BUSINESS PROGRAM AS A TIER 1 OR TIER 2 VENDOR, BIDDERS MUST COMPLETE THE INFORMATION BELOW AND UPLOAD THE FORM TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

TIER 1 LOCAL VENDOR

____ My firm has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least ten percent who are residents of the City of Pompano Beach.

And/Or

____ My firm has maintained a permanent place of business within the city limits and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least ten percent of the contract value.

Or

____ My firm does not qualify as a Tier 1 Vendor.

TIER 2 LOCAL VENDOR

____ My firm has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach

And/Or

____ My firm has maintained a permanent place of business within Broward County and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value.

Or

____ My firm does not qualify as a Tier 2 Vendor.

I certify that the above information is true to the best of my knowledge.

_____ _____

(Date) (Name of Firm)

BY: _____

(Name)

City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060

November 7, 2018

ADDENDUM #1, RFP P-04-19

Amphitheater – Custom Roof Addition for Seating Coverage

To Whom It May Concern,

RFP P-04-19 Addition of Geotechnical Engineering Report to Attachments Tab

The remainder of the solicitation is unchanged at this time.

Sincerely,

Jill Klaskin Press, CPPO
Purchasing Consultant

cc: website

City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060

November 15, 2018

ADDENDUM #2, RFP P-05-19

AMPHITHEATER – CUSTOM ROOF ADDITION FOR SEATING COVERAGE

To Whom It May Concern,

1. Addition of Sign-In Sheets from Mandatory Pre-Proposal and Mandatory Walk-Thru
2. Addition of nine (9) attachments consisting of AMP Plans

The remainder of the solicitation is unchanged at this time.

Sincerely,

Jill Klaskin Press, CPPO
Purchasing Consultant

cc: website

Terracon GeoReport

Geotechnical Engineering Report

Pompano Beach Amphitheater
Pompano Beach, Florida
November 6, 2018
Terracon Project No. 34185039

Prepared for:
E Sciences, Inc.
Fort Lauderdale, FL

Prepared by:
Terracon Consultants, Inc.
Fort Lauderdale, Florida

November 6, 2018

E Sciences, Inc.
224 SE 9th Street
Fort Lauderdale, FL 33316

Attn: Ms. Maria Paituvi, P.E. – Senior Engineer
P: (954) 484 8500
E: mpaituvi@esciencesinc.com

Re: Geotechnical Engineering Report
Pompano Beach Amphitheater
SW Corner of US1/Federal Highway and NE 10th Street
Pompano Beach, Florida
Terracon Project No. 34185039

Dear Ms. Paituvi:

We have completed the Geotechnical Engineering services for the above referenced project. This study was performed in general accordance with Terracon Proposal No. P34185039 dated August 13, 2018. This report presents the findings of the subsurface exploration and provides geotechnical recommendations concerning earthwork and the design and construction of foundations for the proposed membrane roof for the proposed project.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service, please contact us.

Sincerely,
Terracon Consultants, Inc.

Rutugandha H. Nulkar, P.E.
Senior Engineer
Fl Registration No. 70625

Douglas S. Dunkelberger, P.E.
Principal
FL Registration No. 33317

REPORT TOPICS

ATTACHMENTS

REPORT SUMMARY

Topic [1]	Overview Statement [2]
Project Description	The project consists of construction of membrane roof over an existing amphitheater. The roof cables connect to a rigid streel truss which rests on top of two towers in the front and at the back the membrane is supported by a series of columns (cable-supported masts).
Geotechnical Characterization	The subsurface conditions at the project area consist of very loose to medium dense sands to a depth of 20 feet below existing grade. The upper sands are underlain by a highly weathered limestone formation to a depth of approximately 40 feet below existing grade. The limestone is underlain by loose to medium dense sands to the termination depths of the borings. A lower limestone formation begins at a depth of 50 feet but is highly variable in thickness as well as hardness.
Earthwork	Prepare the subgrade as indicated in Site Preparation
Deep Foundations	Based on the provided structural loads, which are very large, we recommend use of drilled shaft foundations to support the proposed roof structure. Allowable shaft capacities (compressive and uplift) are proved in this report but should be verified through a load testing program.
General Comments	This section contains important information about the limitations of this geotechnical engineering report.

1. If the reader is reviewing this report as a pdf, the topics above can be used to access the appropriate section of the report by simply clicking on the topic itself.
2. This summary is for convenience only. It should be used in conjunction with the entire report for design purposes.

Geotechnical Engineering Report

Pompano Beach Amphitheater
SW Corner of US1/Federal Highway and NE 10th Street
Pompano Beach, Florida

Terracon Project No. 34185039
November 6, 2018

INTRODUCTION

This report presents the results of our subsurface exploration and geotechnical engineering services performed for the proposed roof at the amphitheater located at SW Corner of US1/Federal Highway and NE 10th Street in Pompano Beach, Florida. The purpose of these services is to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil (and rock) conditions
- Groundwater conditions
- Site preparation and earthwork
- Foundation design and construction

The geotechnical engineering scope of services for this project included the advancement of eight (8) test borings to a depth of 90 feet below existing site grades.

Maps showing the site and boring locations are shown in the **Site Location** and **Exploration Plan** sections, respectively. The results of the laboratory testing performed on soil samples obtained from the site during the field exploration are included on the boring logs in the **Exploration Results** section of this report.

SITE CONDITIONS

The following description of site conditions is derived from our site visit in association with the field exploration and our review of publicly available geologic and topographic maps.

Item	Description
Parcel Information	The project is located at SW Corner of US1/Federal Highway and NE 10th Street in Pompano Beach, Florida. (See Exhibit D)
Existing Improvements	The project site is within existing Pompano Community Park. The site is occupied by an existing amphitheater.
Current Ground Cover	Amphitheater with associated parking areas
Existing Topography	Existing grade is fairly level

EXPLORATION AND TESTING PROCEDURES

Field Exploration

Number of Borings	Boring Depth (feet)	Planned Location
8	90	Proposed membrane roof

Boring Layout and Elevations: Unless otherwise noted, Terracon personnel provide the boring layout. Coordinates are obtained with a handheld GPS unit (estimated horizontal accuracy of about ±10 feet).

Subsurface Exploration Procedures: We advance the borings with a truck-mounted drill rig using a rotary method. Four samples are obtained in the upper 10 feet of each boring and at intervals of 5 feet thereafter. In the split-barrel sampling procedure, a standard 2-inch outer diameter split-barrel sampling spoon is driven into the ground by a 140-pound automatic hammer falling 30 inches. The number of blows required to advance the sampling spoon the last 12 inches of a normal 18-inch penetration is recorded as the Standard Penetration Test (SPT) resistance value. The SPT resistance values, also referred to as N-values, are indicated on the boring logs at the test depths. We observe and record groundwater levels during drilling and sampling. For safety purposes, all borings are backfilled with soil cuttings after their completion. Pavements are patched with cold-mix asphalt and/or pre-mixed concrete, as appropriate.

The sampling depths, penetration distances, and other sampling information are recorded on the field boring logs. The samples are placed in appropriate containers and taken to our soil laboratory for testing and classification by a geotechnical engineer. Our exploration team prepares field boring

logs as part of the drilling operations. These field logs include visual classifications of the materials encountered during drilling and our interpretation of the subsurface conditions between samples. Final boring logs are prepared from the field logs. The final boring logs represent the geotechnical engineer's interpretation of the field logs and include modifications based on observations and tests of the samples in our laboratory.

Laboratory Testing

The project engineer reviews the field data and assigns various laboratory tests to better understand the engineering properties of the various soil and rock strata as necessary for this project. Procedural standards noted below are for reference to methodology in general. In some cases, variations to methods are applied because of local practice or professional judgment. Standards noted below include reference to other, related standards. Such references are not necessarily applicable to describe the specific test performed.

- ASTM D2216 Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
- ASTM D422 Standard Test Method for Particle-Size Analysis of Soils

The laboratory testing program often includes examination of soil samples by an engineer. Based on the material's texture and plasticity, we describe and classify the soil samples in accordance with the Unified Soil Classification System.

Boring log rock classification is determined using the Description of Rock Properties.

GEOTECHNICAL CHARACTERIZATION

Subsurface Profile

We have developed a general characterization of the subsurface soil and groundwater conditions based upon our review of the data and our understanding of the geologic setting and planned construction. The following table provides our geotechnical characterization.

The geotechnical characterization forms the basis of our geotechnical calculations and evaluation of site preparation and foundation options. As noted in **General Comments**, the characterization is based upon widely spaced exploration points across the site, and variations are likely.

Stratum	Approximate Depth to Bottom of Stratum (feet)	Material Description	Consistency/Density
1	20	Light brown to brown fine to medium SAND, occasional organic stain (SP)	0 to 27 bpf
2	40	Light brown LIMESTONE with fine sand	2 to 50 bpf
3	90	Light brown fine to medium SAND with Limestone lenses and layers (SP)	3 to 53 bpf

1. bpf – blows per foot

A lower limestone formation layer begins at about 50 feet but is highly variable in thickness and hardness.

Conditions encountered at each boring location are indicated on the individual boring logs shown in the **Exploration Results** section and are attached to this report. Stratification boundaries on the boring logs represent the approximate location of changes in native soil types; in situ, the transition between materials may be gradual.

Groundwater Conditions

The boreholes were observed while drilling and after completion for the presence and level of groundwater. The water levels observed in the boreholes can be found on the boring logs in **Exploration Results**, and are summarized below.

Boring Number	Approximate Depth to Groundwater while Drilling (feet) [1]
B-1	6.4
B-2	6.0
B-3	6.1
B-4	6.2
B-5	6.2
B-6	6.3
B-7	6.1
B-8	6.5

1. Depth of water below existing grade

Groundwater level fluctuations occur due to seasonal variations in the amount of rainfall, runoff and other factors not evident at the time the borings were performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring logs. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

PROJECT DESCRIPTION

Our understanding of the project was provided in our proposal and was discussed in the project planning stage.

Item	Description
Information Provided	It is proposed to construct a membrane roof. The roof cables connect to a rigid streel truss which rests on top of two towers in the front and at the back the membrane is supported by a series of columns (cable-supported masts).
Project Description	The project includes construction of a membrane roof over the existing amphitheater.
Proposed Structure	We understand that the truss columns in the front of the structure and cables and mast on the rear of the structure will be supported on piles.

Item	Description
Building Construction	Based on email and preliminary calculations received from Big Span Structures dated 7/17/2018, we understand the following loading conditions at foundation level: · Towers Ø Compressive load, 10,800 kips Ø Uplift load, 2,512 kips · Mast and Cables Ø Compressive load, 2,700 kips Ø Uplift load, 628 kips

GEOTECHNICAL OVERVIEW

Based on the results of the subsurface exploration and our experience with heavy structures, the foundations for the roof membrane will require deep foundations which can develop high axial load capacity. We believe that technical and cost factors will favor use of drilled shafts. Therefore, we recommend that the structural framing for the roof be supported on drilled shafts. Drilled shafts are designed to develop their axial load capacity in side shear through both mechanical interlock and chemical bond between the cement grout and soil interface. As an added advantage, this system can be constructed with relatively little noise/vibration while still providing resistance to compression, lateral and uplift forces. Since the drilled shaft construction is in the wet, end bearing is neglected in the load carrying capacity calculations. Recommendations for 48-inch diameter shafts are provided in this report.

Preparation of the site, as discussed hereafter to receive the new structures should include removal of asphalt, topsoil and any unwanted vegetation as well as grubbing of vegetative root system. Once the clearing and grubbing have been completed the subgrade should be prepared as discussed in the Earthwork section of this report. The location of any existing underground utility lines within the construction area should be established. Provisions should be made to relocate any interfering utility lines within the construction area. Abandoned utilities should be removed or grouted to reduce the possibility of subsurface erosion that could result in future settlement. Based on our visual observations, the existing granular soils are suitable for use as structural fill. Geotechnical engineering recommendations for foundation systems and other earth connected phases of the project are outlined hereafter. The recommendations contained in this report are based upon the results of the test borings, engineering analyses, and our current understanding of the proposed project.

The **General Comments** section provides an understanding of the report limitations.

EARTHWORK

Earthwork will include clearing and grubbing, excavations and fill placement. The following sections provide recommendations for use in the preparation of specifications for the work. Recommendations include critical quality criteria as necessary to render the site in the state considered in our geotechnical engineering evaluation for foundations, floor slabs, and pavements.

Site Preparation

The construction of foundation for the roof membrane will require removal of existing pavers, vegetation and root mat prior to any fill placement and foundation installation. Complete stripping of the topsoil should be performed in the proposed foundation areas.

Clearing and grubbing should consist of the complete removal and disposal of timber, brush, stumps, roots, rubbish debris and all other obstructions resting on or protruding through the surface of the existing ground and excavated areas. All roots greater than one inch in diameter, or high concentration of smaller diameter roots, should be removed to a depth of not less than 12 inches.

For site preparation near existing structures, we expect that small vibratory equipment (i.e. jumping jack or plate compactor) will be required due to access limitations. Fill material if required should follow the specifications indicated below.

Fill Material Types

Fill required to achieve design grade should be classified as structural fill Earthen materials used for structural and general fill should meet the following material property requirements:

Fill Type [1]	USCS Classification	Acceptable Location for Placement
Structural and General	SP, SP-SM or GP, GP-GM (fines content < 12 percent, maximum particle size < 3 inches)	All locations and elevations
Fill Placed Below Groundwater	Inorganic, non-plastic gravel, free of any man-made debris, with a three (3) inch maximum particle size and ASTM classification (USCS) of GP, GW; or FDOT 57 Stone with less than 5 percent material finer than the No. 200 sieve and a maximum particle size of 3 inches. The FDOT 57 stone should not be placed more than one foot above the water level.	Below Groundwater

1. Structural and general fill should consist of approved materials free of organic matter and debris. A sample of each material type should be submitted to the Geotechnical Engineer for evaluation prior to use on this site.

Fill Compaction Requirements

Structural and general fill should meet the following compaction requirements.

Item	Description
Fill Lift Thickness	Fill lift thicknesses vary with the compaction methods used and should be completed as follows: ■ 12 inches or less in loose thickness when heavy vibratory compaction equipment is used. Maximum particle size should not exceed 3 inches on a 12-inch lift. ■ 4 to 6 inches in loose thickness when hand-guided equipment (i.e. jumping jack or plate compactor) is used. Maximum particle size should not exceed 1 ½ inches in a 4- to 6-inch lift.
Minimum Compaction Requirements	The area beneath the structure footprint subgrade elevation should be compacted to at least 95 percent of the maximum dry density as determined by the Modified Proctor Test (ASTM D-1557)
Water Content Range [1]	Within +/- 2 percent of optimum moisture content as determined by the Modified Proctor Test, at the time of placement and compaction.

1. We recommend that engineering fill be tested for moisture content and compaction during placement. Should the results of the in-place density tests indicate the specified moisture or compaction limits have not been met, the area represented by the test should be reworked and resisted as required until the specified moisture and compaction requirements are achieved.

Earthwork Construction Considerations

Upon completion of filling and grading, care should be taken to maintain the subgrade water content prior to construction of floor slabs. Construction traffic over the completed subgrades should be avoided. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in excavations. Water collecting over, or adjacent to, construction areas should be removed. If the subgrade desiccates, saturates, or is disturbed, the affected material should be removed, or the materials should be scarified, moisture conditioned, and recompacted, prior to floor slab construction.

As a minimum, excavations should be performed in accordance with OSHA 29 CFR, Part 1926, Subpart P, “Excavations” and its appendices, and in accordance with any applicable local, and/or state regulations.

Construction site safety is the sole responsibility of the contractor who controls the means, methods, and sequencing of construction operations. Under no circumstances shall the information provided herein be interpreted to mean Terracon is assuming responsibility for construction site safety, or the contractor's activities; such responsibility shall neither be implied nor inferred.

Construction Observation and Testing

Any required earthwork efforts should be monitored under the direction of the Geotechnical Engineer. Monitoring should include documentation of adequate removal of vegetation and top soil, proof-rolling and mitigation of areas delineated by the proof-roll to require mitigation.

Each lift of compacted fill should be tested, evaluated, and reworked as necessary until approved by the Geotechnical Engineer prior to placement of additional lifts. Each lift of fill should be tested for density and water content at a frequency of at least one test for every 2,500 square feet of compacted fill in the building areas and 5,000 square feet in pavement areas. One density and water content test for every 50 linear feet of compacted utility trench backfill.

In areas of foundation excavations, the bearing subgrade should be evaluated under the direction of the Geotechnical Engineer. If unanticipated conditions are encountered, the Geotechnical Engineer should prescribe mitigation options.

In addition to the documentation of the essential parameters necessary for construction, the continuation of the Geotechnical Engineer into the construction phase of the project provides the continuity to maintain the Geotechnical Engineer's evaluation of subsurface conditions, including assessing variations and associated design changes.

DEEP FOUNDATIONS

Drilled Shafts

Drilled shafts are the most commonly used deep foundation system in South Florida because they can attain relatively high side-shear resistance against the sedimentary rocks present throughout the area, and thus providing relatively high compressive and uplift capacities.

Drilled Shaft Design Parameters

The following table summarizes the design criteria and other information for a 48-inch diameter drilled shaft based on the loads provided to us.

Pompano Beach Amphitheater	
Drilled Shaft Parameters	**48-inch Shaft**
Allowable Compressive Capacity	355 tons (70feet)
Allowable Uplift Capacity	210 tons (70 feet)
Minimum Center to Center Spacing	12 feet
Minimum Concrete Compressive Strength[3]	5,000 psi

1. Adequate pile reinforcing steel and grout must be designed by the structural engineer to resist all axial, bending, tensile, and shear stresses.

Based on our analysis and the expected loading conditions, we expect the settlement of properly constructed shaft foundations to be on the order of 1 inch or less, with differential settlement on the order of ¼ inch between adjacent pile caps. Most of the settlement is expected to be concurrent with construction.

The pile capacities provided in the preceding table should be verified through a program of load testing

Drilled Shaft Construction Considerations

The borings encountered zones of loose fine sands and highly weathered limestone. To prevent collapse of the sidewalls and/or to control groundwater seepage, the use of temporary steel casing and/or slurry drilling procedures may be required for construction of the drilled shaft foundations. Further to that consideration, the test borings all experienced complete loss of drill fluid circulation at a depth of about 20 to 25 feet coincident with the top of the first (upper) limestone formation.

A full-depth temporary steel casing may be required to stabilize the sides of the shaft excavations in the overburden. Difficult drilling conditions should be expected within both the sand layers and in the weathered limestone, and the potential for hard limestone drilling conditions should also be anticipated. If casing is removed during concrete placement, care should be exercised to maintain concrete inside the casing at a sufficient level to resist earth and hydrostatic pressures present on a casing exterior. Water or loose soil should be removed from the bottom of the drilled shafts prior to placement of the concrete.

Care should be taken to not disturb the sides and bottom of the excavation during construction. The bottom of the shaft excavation should be free of loose material before concrete placement. Concrete should be placed as soon as possible after the foundation excavation is completed, to reduce potential disturbance of the bearing surface.

“Wet” shafts should be constructed by slurry displacement techniques. In this process, the shaft excavation is filled with approved polymer-based slurry to counter-balance the hydraulic forces below the water level and stabilize the wall of the shaft. Concrete would then be placed using a tremie extending to within 6 inches of the shaft base of the slurry-filled excavation. The tremie remains inserted several feet into the fresh concrete as it displaces the slurry upward and until placement is complete. The slurry should have a sand content no greater than 1 percent at the time concrete placement commences. The maximum unit weight of the slurry should be established in consultation with Terracon.

While withdrawing casing, care should be exercised to maintain concrete inside the casing at a sufficient level to resist earth and hydrostatic pressures acting on the casing exterior. Arching of

the concrete, loss of seal and other problems can occur during casing removal and result in contamination of the drilled shaft. These conditions should be considered during the design and construction phases. Placement of loose soil backfill should not be permitted around the casing prior to removal.

The drilled shaft installation process should be performed under the direction of the Geotechnical Engineer. The Geotechnical Engineer should document the shaft installation process including soil/rock and groundwater conditions encountered, consistency with expected conditions, and details of the installed shaft.

The Geotechnical Engineer should also monitor load testing of drilled shafts to finalize design and construction recommendations.

GENERAL COMMENTS

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Natural variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the Geotechnical Engineer, where noted in the final report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our scope of services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly impact excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety, and cost estimating including, excavation support, and dewatering requirements/design are the responsibility of others. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing.

ATTACHMENTS

SITE LOCATION AND EXPLORATION PLANS

SITE LOCATION

Pompano Beach Amphitheater ■ Pompano Beach, FL
November 5, 2018 ■ Terracon Project No. 34185039

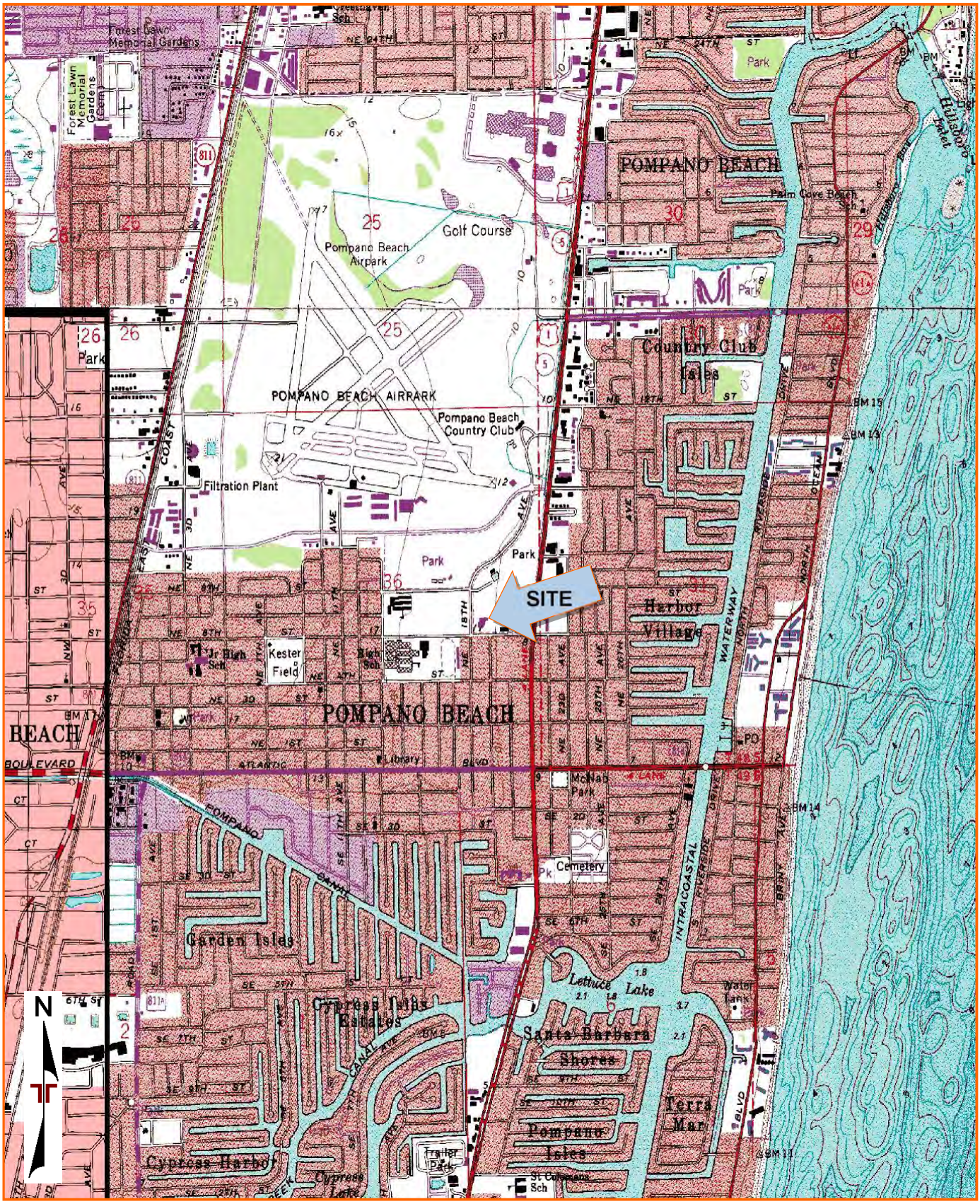


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY QUADRANGLES INCLUDE: WEST DIXIE BEND, FL (1/1/1983), BOCA RATON, FL (1/1/1986), FORT LAUDERDALE NORTH, FL (1/1/1995) and POMPANO BEACH, FL (1/1/1983).

EXPLORATION PLAN

Pompano Beach Amphitheater ■ Pompano Beach, FL
November 5, 2018 ■ Terracon Project No. 34185039

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

EXPLORATION RESULTS

BORING LOG NO. B-1

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2388° Longitude: -80.1053°

DEPTH	GRAPHIC LOG		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
0.3		**TOPSOIL (OL)**, (3" thick)							
		FINE TO MEDIUM SAND (SP), brown to light brown				2-3-5-6 N=8			
						10-8-7-5 N=15			
			5	▽		3-3-2-2 N=5			
						2-2-2-2 N=4			
			10			2-2-3-3 N=5			
			15			1-1-2 N=3			
18.5		**SILTY FINE SAND (SM)**, light brown	20			0-0-0 N=0		36	21
23.5		**SILTY FINE SAND (SM)**, with limestone lenses/layers, light brown	25			0-1-1 N=2			
28.5		**LIMESTONE**, with fine sand, light brown	30			2-2-2 N=4			
			35			3-4-4 N=8			
40.0		**FINE TO MEDIUM SAND (SP)**, light brown	40			8-12-10 N=22			
			45			8-8-10 N=18			
48.5		**FINE TO MEDIUM SAND (SP)**, with limestone lenses/layers, light gray	50			10-13-20			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

0: Weight of hammer
Total lost of drilling fluid from 22 to 60 feet

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.4'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-12-2018 | Boring Completed: 09-12-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-1

BORING LOG NO. B-1

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2388° Longitude: -80.1053°

DEPTH	GRAPHIC LOG		WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
52.0		**FINE TO MEDIUM SAND (SP)**, with limestone lenses/layers, light gray *(continued)*			N=33			
		LIMESTONE, with fine sand, light gray Extremely Hard from 52 to 56 Feet			50/2"			
55								
60					8-15-23 N=38			
65					17-10-21 N=31			
70					50/4"			
75					43-20-15 N=35			
80.0					18-25-50/5"			
80		**FINE TO MEDIUM SAND (SP)**, with limestone lenses/layers, light gray						
85					7-10-8 N=18			
90.0					10-50/4"			
90		***Boring Terminated at 90 Feet***						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.4'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-12-2018	Boring Completed: 09-12-2018
Drill Rig: CME-55	Driller: OC
Project No.: 34185039	Exhibit: A-1

BORING LOG NO. B-2

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2386° Longitude: -80.1049°

DEPTH	GRAPHIC LOG		FIELD TEST RESULTS
0.5		**TOPSOIL (OL)**, (6" thick)	
		FINE TO MEDIUM SAND (SP), light brown	2-4-4-6 N=8
			7-8-8-6 N=16
			5-6-5-4 N=11
8.0			2-1-2-1 N=3
		FINE TO MEDIUM SAND (SP), trace organic stain, brown	2-2-2-2 N=4
10.0		**FINE TO MEDIUM SAND (SP)**, light brown	
			2-3-4 N=7
18.5			
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light brown	2-2-2 N=4
23.5			
		LIMESTONE, with fine sand, light brown	2-1-2 N=3
			2-2-2 N=4
			2-2-2 N=4
40.0			3-4-4 N=8
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light brown	6-10-12 N=22
48.5			
		FINE TO MEDIUM SAND (SP), light brown	8-8-10

DEPTH (Ft.): 5, 10, 15, 20, 25, 30, 35, 40, 45, 50

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

ORGANIC CONTENT (%)

WATER CONTENT (%)

PERCENT FINES

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:
Total lost of drilling fluid from 25 to 90 feet

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.0'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-17-2018 | Boring Completed: 09-17-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-2

BORING LOG NO. B-2

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION
Latitude: 26.2386° Longitude: -80.1049°

DEPTH	GRAPHIC LOG		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
		FINE TO MEDIUM SAND (SP), light brown *(continued)*				N=18			
53.5									
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light gray	55		X	28-10-25 N=35			
			60		X	8-10-7 N=17			
			65		X	3-2-3 N=5			
68.5									
70.0		**LIMESTONE**, with fine sand, light brown	70		X	3-4-4 N=8			
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light gray	75		X	4-5-7 N=12			
78.5									
		FINE TO MEDIUM SAND (SP), light gray	80		X	4-5-5 N=10			
83.5									
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light gray	85		X	3-2-3 N=5			
88.5									
90.0		**LIMESTONE**, with fine sand, light gray	90		X	50/3"			
		Boring Terminated at 90 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.0'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-17-2018 | Boring Completed: 09-17-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-2

BORING LOG NO. B-3

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2382° Longitude: -80.1046°

DEPTH		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
0.5	**TOPSOIL (OL)**, (6" thick)							
	FINE TO MEDIUM SAND (SP), light brown to brown				2-5-7-8 N=12			
					8-8-6-5 N=14			
		5	▽		5-5-4-4 N=9			
					3-3-3-3 N=6			
8.0								
	FINE TO MEDIUM SAND (SP), organics stain, brown				3-3-2-3 N=5			
10.0		10						
	FINE TO MEDIUM SAND (SP), light brown							
		15			2-2-2 N=4			
18.5								
	SILTY FINE SAND (SM), light brown	20			0-0-0 N=0			
23.5								
	SILTY FINE SAND (SM), with limestone lenses/layers, light brown	25			1-1-2 N=3			
		30			2-1-2 N=3			
33.5								
	LIMESTONE, with fine sand, light brown	35			3-2-3 N=5			
		40			8-10-13 N=23			
42.0								
	FINE TO MEDIUM SAND (SP), light brown to light gray	45			10-10-12 N=22			
		50			8-8-10			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:
0: Weight of hammer
Total lost of drilling fluid at 83 feet

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.1'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-14-2018 | Boring Completed: 09-14-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-3

BORING LOG NO. B-3

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION
Latitude: 26.2382° Longitude: -80.1046°

GRAPHIC LOG	DEPTH	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
	FINE TO MEDIUM SAND (SP), light brown to light gray *(continued)*				N=18			
		55		X	8-8-8 N=16			
		60		X	6-6-7 N=13			
	Thin lense of hard rock at 62.5 feet							
		65		X	7-10-13 N=23			
	70.0	70		X	13-15-32 N=47			
	FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light brown	75		X	13-10-10 N=20			
	81.0	80		X	8-6-6 N=12			
	SILTY FINE SAND (SM), light gray	85		X	2-1-2 N=3			
	90.0	90		X	2-2-2 N=4			
	Boring Terminated at 90 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.1'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-14-2018 | Boring Completed: 09-14-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-3

BORING LOG NO. B-4

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2387° Longitude: -80.1053°

DEPTH	GRAPHIC LOG		WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
0.2		**PAVER**, (2" thick)						
		FILL - FINE TO MEDIUM SAND (SP), with limerock, light brown to brown			7-8-6-5 N=14			
					5-5-5-4 N=10			
5			▽		4-3-4-3 N=7			
					3-3-4-4 N=7			
10					3-3-4-4 N=7			
15					4-4-5 N=9			
17.0		**LIMESTONE**, with fine sand, light brown						
20					2-2-2 N=4			
25					2-1-1 N=2			
30					3-2-2 N=4			
35.0		**FINE TO MEDIUM SAND (SP)**, light gray			2-2-2 N=4			
35								
40					4-6-6 N=12			
43.5		**FINE TO MEDIUM SAND (SP)**, with limestone lenses/layers, light gray						
45					6-9-12 N=21			
48.5		**LIMESTONE**, with fine sand, light gray						
50					18-50/3"			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:
Total lost of drilling fluid from 25 to 90 feet

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encountered at 6.2'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-19-2018 | Boring Completed: 09-19-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-4

BORING LOG NO. B-4

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2387° Longitude: -80.1053°

GRAPHIC LOG	DEPTH		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
		LIMESTONE, with fine sand, light gray *(continued)*							
			55		X	10-26-50/5"			
	60.0								
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light gray	60		X	28-15-13 N=28			
			65		X	20-12-10 N=22			
			70		X	9-16-10 N=26			
			75		X	10-13-25 N=38			
			80		X	13-25-28 N=53			
			85		X	5-8-8 N=16			
	90.0		90		X	10-13-25 N=38			
		Boring Terminated at 90 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.2'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-19-2018	Boring Completed: 09-19-2018
Drill Rig: CME-55	Driller: OC
Project No.: 34185039	Exhibit: A-4

BORING LOG NO. B-5

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2385° Longitude: -80.105°

DEPTH	GRAPHIC LOG		WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
0.2		**PAVER**, (2" thick)						
2.0		**FILL - FINE TO MEDIUM SAND (SP)**, with limerock, light brown						
		FINE TO MEDIUM SAND (SP), light brown to brown			11-8-10-7 N=18			
					7-8-8-6 N=16			
5			▽		6-5-6-4 N=11			
					2-3-2-2 N=5			
					2-2-3-3 N=5			
10								
					3-3-4 N=7			
15								
					5-7-8 N=15			
20								
23.5		**FINE TO MEDIUM SAND (SP)**, with limestone lenses/layers, light brown			1-1-1 N=2			
25								
28.5		**LIMESTONE**, with fine sand, light brown			1-1-2 N=3			
30								
					2-2-3 N=5			
35								
40.0		**FINE TO MEDIUM SAND (SP)**, with limestone lenses/layers, light gray			3-3-4 N=7			
40								
					8-9-9 N=18			
45								
48.5		**FINE TO MEDIUM SAND (SP)**, light gray			9-9-10			
50								

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:
Total lost of drilling fluid from 25 to 90 feet

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.2'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-18-2018	Boring Completed: 09-18-2018
Drill Rig: CME-55	Driller: OC
Project No.: 34185039	Exhibit: A-5

BORING LOG NO. B-5

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2385° Longitude: -80.105°

DEPTH		DEPTH (Ft.)	FIELD TEST RESULTS
	FINE TO MEDIUM SAND (SP), light gray *(continued)*		N=19
55.0		55	5-3-3 N=6
	FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light gray	60	9-5-25 N=30
		65	2-3-3 N=6
		70	5-8-5 N=13
		75	5-6-8 N=14
		80	10-7-5 N=12
		85	3-2-15 N=17
90.0		90	18-8-6 N=14
	Boring Terminated at 90 Feet		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.2'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-18-2018	Boring Completed: 09-18-2018
Drill Rig: CME-55	Driller: OC
Project No.: 34185039	Exhibit: A-5

BORING LOG NO. B-6

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION
Latitude: 26.2382° Longitude: -80.1048°

DEPTH	DESCRIPTION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
0.2	**PAVER**, (2" thick)			X	10-8-8-7 N=16			
0.7	**FILL - FINE TO MEDIUM SAND (SP)**, with limerock, light brown			X	7-8-8-5 N=16			
6.0	**FINE TO MEDIUM SAND (SP)**, brown to light brown	5	▽	X	4-3-3-3 N=6			
8.0	**FINE TO MEDIUM SAND (SP)**, trace organic stain, brown			X	2-2-2-2 N=4			
21.0	**FINE TO MEDIUM SAND (SP)**, brown to light brown	10		X	2-3-3-3 N=6			
		15		X	3-3-3 N=6			
		20		X	3-3-4 N=7			
42.0	**LIMESTONE**, with fine sand, light brown	25		X	2-2-2 N=4			
		30		X	2-3-3 N=6			
		35		X	3-2-3 N=5			
		40		X	2-4-4 N=8			
	FINE TO MEDIUM SAND (SP), light brown	45		X	5-6-8 N=14			
		50		X	8-10-16			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:
Parcial lost of drilling fluid from 25 to 90 feet 70%

WATER LEVEL OBSERVATIONS
▽ *Water Initially Encountered at 6.3'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-20-2018	Boring Completed: 09-20-2018
Drill Rig: CME-55	Driller: OC
Project No.: 34185039	Exhibit: A-6

BORING LOG NO. B-6

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2382° Longitude: -80.1048°

DEPTH	GRAPHIC LOG		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
		FINE TO MEDIUM SAND (SP), light brown *(continued)*				N=26			
52.0		**FINE TO MEDIUM SAND (SP)**, with limestone lenses/layers, light gray	55			20-25-33 N=58			
			60			7-8-8 N=16			
			65			4-5-7 N=12			
			70			8-15-18 N=33			
			75			10-8-5 N=13			
80.0		**FINE TO MEDIUM SAND (SP)**, light gray	80			4-4-6 N=10			
			85			2-3-3 N=6			
87.0		**LIMESTONE**, with fine sand, light gray							
90.0		***Boring Terminated at 90 Feet***	90			47-50/3"			

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.3'*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-20-2018 | Boring Completed: 09-20-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-6

BORING LOG NO. B-7

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2382° Longitude: -80.1056°

DEPTH	GRAPHIC LOG	DESCRIPTION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
0.0		**ASPHALT**, (1/2" thick)							
1.0		**FILL - LIMEROCK (GP)**, light brown							
		FINE TO MEDIUM SAND (SP), light brown				23-16-11-8 N=27			
						6-5-5-4 N=10			
			5	▽		4-4-3-3 N=7			
						3-3-3-3 N=6			
						3-2-3-3 N=5			
			10						
						2-2-2 N=4			
			15						
18.5		**SILTY FINE SAND (SM)**, light brown				0-0-0 N=0			
			20						
23.5		**LIMESTONE**, with fine sand, light brown				2-2-3 N=5			
			25						
						2-2-2 N=4			
			30						
						2-2-3 N=5			
			35						
40.0		**FINE TO MEDIUM SAND (SP)**, with limestone lenses/layers, light brown to light gray				4-3-3 N=6			
			40						
						5-5-6 N=11			
			45						
						4-5-5			
			50						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

0: Weight of hammer
Total lost of drilling fluid from 21 to 60 feet

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.1*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-13-2018 | Boring Completed: 09-13-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-7

BORING LOG NO. B-7

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.2382° Longitude: -80.1056°

DEPTH	GRAPHIC LOG		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light brown to light gray *(continued)*				N=10			
			55			2-3-3 N=6			
			60			3-3-12 N=15			
			65			3-4-3 N=7			
			70			2-3-6 N=9			
73.5									
		LIMESTONE, with fine sand, light gray	75			50/5"			
			80			22-8-9 N=17			
85.0			85			32-10-7 N=17			
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light gray							
90.0			90			4-4-8 N=12			
		Boring Terminated at 90 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.1*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-13-2018 | Boring Completed: 09-13-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-7

BORING LOG NO. B-8

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.238° Longitude: -80.1052°

DEPTH		FIELD TEST RESULTS
0.2	**PAVER**, (2" thick)	
1.0	**FILL - FINE TO MEDIUM SAND (SP)**, with limerock, light brown	18-10-10-8 N=20
	FINE TO MEDIUM SAND (SP), brown to light brown	6-6-5-3 N=11
		3-3-3-3 N=6
		2-2-2-2 N=4
		2-3-3-3 N=6
		2-2-2 N=4
18.5	**SILTY FINE SAND (SM)**, light brown	0-0-0 N=0
23.5	**LIMESTONE**, with fine sand, light brown	1-1-1 N=2
		1-2-2 N=4
		2-2-3 N=5
		5-3-5 N=8
42.0	**FINE TO MEDIUM SAND (SP)**, light brown to light gray	7-8-10 N=18
50.0		5-7-7

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

0: Weight of hammer
Total lost of drilling fluid from 20 to 90 feet

WATER LEVEL OBSERVATIONS

Water Initially Encoutered at 6.5

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-21-2018 | Boring Completed: 09-21-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-8

BORING LOG NO. B-8

PROJECT: Pompano Beach Amphitheater

CLIENT: E Sciences Inc
Fort Lauderdale, FL

SITE: SW Corner of US1 and NE 10th Street
Pompano Beach, FL

LOCATION

Latitude: 26.238° Longitude: -80.1052°

DEPTH	GRAPHIC LOG		DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	ORGANIC CONTENT (%)	WATER CONTENT (%)	PERCENT FINES
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light gray				N=14			
55.0			55			10-10-13 N=23			
		FINE TO MEDIUM SAND (SP), light gray	60			3-5-7 N=12			
63.5									
		FINE TO MEDIUM SAND (SP), with limestone lenses/layers, light gray	65			3-5-5 N=10			
70.0			70			2-2-2 N=4			
		FINE TO MEDIUM SAND (SP), light gray	75			2-0-1 N=1			
76.5									
		LIMESTONE, with fine sand, light gray Hard from 76.5 to 81 feet	80			50/3"			
81.0									
		FINE TO MEDIUM SAND (SP), light gray	85			2-3-3 N=6			
88.5									
90.0		**LIMESTONE**, with fine sand, light gray	90			50/3"			
		Boring Terminated at 90 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
Rotary Mud Drilling and Casing

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

Notes:

WATER LEVEL OBSERVATIONS

▽ *Water Initially Encoutered at 6.5*

Terracon
5371 NW 33rd Ave, Ste 201
Ft Lauderdale, FL

Boring Started: 09-21-2018 | Boring Completed: 09-21-2018

Drill Rig: CME-55 | Driller: OC

Project No.: 34185039 | Exhibit: A-8

SUPPORTING INFORMATION

UNIFIED SOIL CLASSIFICATION SYSTEM

Pompano Beach Amphitheater ■ Pompano Beach, Florida

November 6, 2018 ■ Terracon Project No. 34185039

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests [A]					Soil Classification	
					Group Symbol	Group Name [B]
Coarse-Grained Soils: More than 50% retained on No. 200 sieve	**Gravels:** More than 50% of coarse fraction retained on No. 4 sieve	**Clean Gravels:** Less than 5% fines [C]	Cu ³ 4 and 1 £ Cc £ 3 [E]		GW	Well-graded gravel [F]
			Cu < 4 and/or [Cc<1 or Cc>3.0] [E]		GP	Poorly graded gravel [F]
		Gravels with Fines: More than 12% fines [C]	Fines classify as ML or MH		GM	Silty gravel [F, G, H]
			Fines classify as CL or CH		GC	Clayey gravel [F, G, H]
	Sands: 50% or more of coarse fraction passes No. 4 sieve	**Clean Sands:** Less than 5% fines [D]	Cu ³ 6 and 1 £ Cc £ 3 [E]		SW	Well-graded sand [I]
			Cu < 6 and/or [Cc<1 or Cc>3.0] [E]		SP	Poorly graded sand [I]
		Sands with Fines: More than 12% fines [D]	Fines classify as ML or MH		SM	Silty sand [G, H, I]
			Fines classify as CL or CH		SC	Clayey sand [G, H, I]
Fine-Grained Soils: 50% or more passes the No. 200 sieve	**Silts and Clays:** Liquid limit less than 50	**Inorganic:**	PI > 7 and plots on or above "A"		CL	Lean clay [K, L, M]
			PI < 4 or plots below "A" line [J]		ML	Silt [K, L, M]
		Organic:	Liquid limit - oven dried	< 0.75	OL	Organic clay [K, L, M, N]
			Liquid limit - not dried			Organic silt [K, L, M, O]
	Silts and Clays: Liquid limit 50 or more	**Inorganic:**	PI plots on or above "A" line		CH	Fat clay [K, L, M]
			PI plots below "A" line		MH	Elastic Silt [K, L, M]
		Organic:	Liquid limit - oven dried	< 0.75	OH	Organic clay [K, L, M, P]
			Liquid limit - not dried			Organic silt [K, L, M, Q]
Highly organic soils:	Primarily organic matter, dark in color, and organic odor				PT	Peat

[A] Based on the material passing the 3-inch (75-mm) sieve

[B] If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

[C] Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

[D] Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

[E] $Cu = D_{60}/D_{10}$ $\quad Cc = \dfrac{(D_{30})^2}{D_{10} \times D_{60}}$

[F] If soil contains ³ 15% sand, add "with sand" to group name.

[G] If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

[H] If fines are organic, add "with organic fines" to group name.

[I] If soil contains ³ 15% gravel, add "with gravel" to group name.

[J] If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

[K] If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

[L] If soil contains ³ 30% plus No. 200 predominantly sand, add "sandy" to group name.

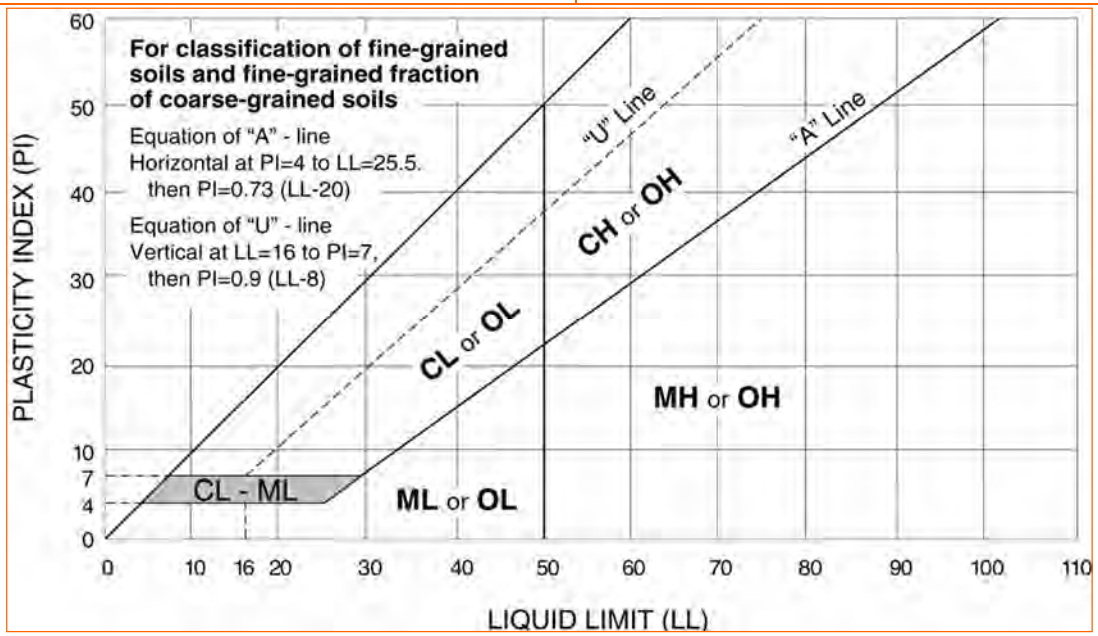
[M] If soil contains ³ 30% plus No. 200, predominantly gravel, add "gravelly" to group name.

[N] PI ³ 4 and plots on or above "A" line.

[O] PI < 4 or plots below "A" line.

[P] PI plots on or above "A" line.

[Q] PI plots below "A" line.



DESCRIPTION OF ROCK PROPERTIES

Pompano Beach Amphitheater ■ Pompano Beach, Florida

November 6, 2018 ■ Terracon Project No. 34185039

WEATHERING	
Term	**Description**
Unweathered	No visible sign of rock material weathering, perhaps slight discoloration on major discontinuity surfaces.
Slightly weathered	Discoloration indicates weathering of rock material and discontinuity surfaces. All the rock material may be discolored by weathering and may be somewhat weaker externally than in its fresh condition.
Moderately weathered	Less than half of the rock material is decomposed and/or disintegrated to a soil. Fresh or discolored rock is present either as a continuous framework or as corestones.
Highly weathered	More than half of the rock material is decomposed and/or disintegrated to a soil. Fresh or discolored rock is present either as a discontinuous framework or as corestones.
Completely weathered	All rock material is decomposed and/or disintegrated to soil. The original mass structure is still largely intact.
Residual soil	All rock material is converted to soil. The mass structure and material fabric are destroyed. There is a large change in volume, but the soil has not been significantly transported.

STRENGTH OR HARDNESS		
Description	**Field Identification**	**Uniaxial Compressive Strength, psi (MPa)**
Extremely weak	Indented by thumbnail	40-150 (0.3-1)
Very weak	Crumbles under firm blows with point of geological hammer, can be peeled by a pocket knife	150-700 (1-5)
Weak rock	Can be peeled by a pocket knife with difficulty, shallow indentations made by firm blow with point of geological hammer	700-4,000 (5-30)
Medium strong	Cannot be scraped or peeled with a pocket knife, specimen can be fractured with single firm blow of geological hammer	4,000-7,000 (30-50)
Strong rock	Specimen requires more than one blow of geological hammer to fracture it	7,000-15,000 (50-100)
Very strong	Specimen requires many blows of geological hammer to fracture it	15,000-36,000 (100-250)
Extremely strong	Specimen can only be chipped with geological hammer	>36,000 (>250)

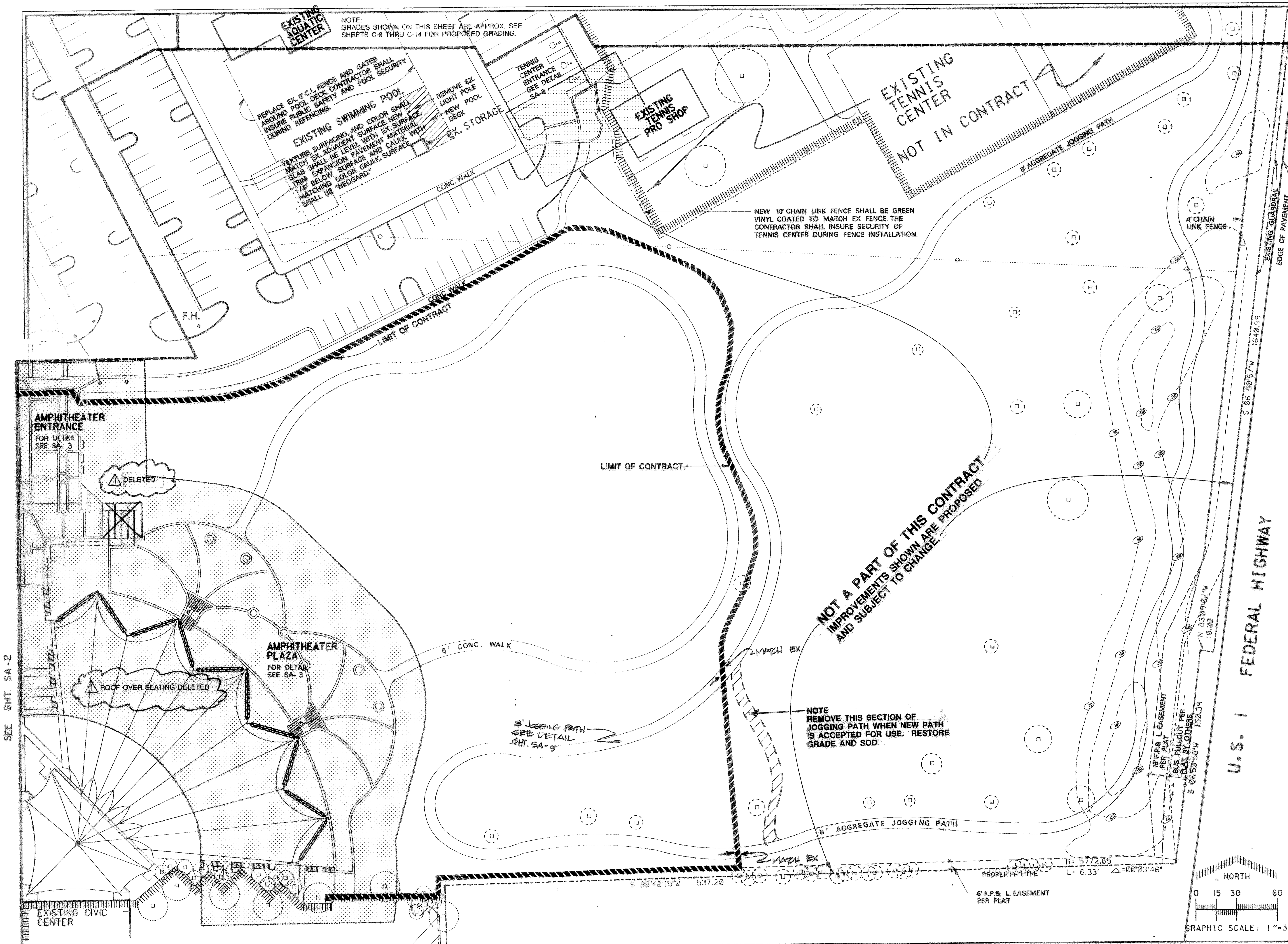
DISCONTINUITY DESCRIPTION			
Fracture Spacing (Joints, Faults, Other Fractures)		**Bedding Spacing (May Include Foliation or Banding)**	
Description	**Spacing**	**Description**	**Spacing**
Extremely close	< ¾ in (<19 mm)	**Laminated**	< ½ in (<12 mm)
Very close	¾ in – 2-1/2 in (19 - 60 mm)	**Very thin**	½ in – 2 in (12 – 50 mm)
Close	2-1/2 in – 8 in (60 – 200 mm)	**Thin**	2 in – 1 ft. (50 – 300 mm)
Moderate	8 in – 2 ft. (200 – 600 mm)	**Medium**	1 ft. – 3 ft. (300 – 900 mm)
Wide	2 ft. – 6 ft. (600 mm – 2.0 m)	**Thick**	3 ft. – 10 ft. (900 mm – 3 m)
Very Wide	6 ft. – 20 ft. (2.0 – 6 m)	**Massive**	> 10 ft. (3 m)

Discontinuity Orientation (Angle): Measure the angle of discontinuity relative to a plane perpendicular to the longitudinal axis of the core. (For most cases, the core axis is vertical; therefore, the plane perpendicular to the core axis is horizontal.) For example, a horizontal bedding plane would have a 0-degree angle.

ROCK QUALITY DESIGNATION (RQD) [1]	
Description	**RQD Value (%)**
Very Poor	0 - 25
Poor	25 – 50
Fair	50 – 75
Good	75 – 90
Excellent	90 - 100

1. The combined length of all sound and intact core segments equal to or greater than 4 inches in length, expressed as a percentage of the total core run length.

Reference: U.S. Department of Transportation, Federal Highway Administration, Publication No FHWA-NHI-10-034, December 2009 Technical Manual for Design and Construction of Road Tunnels – Civil Elements


EXISTING AQUATIC CENTER
NOTE:
GRADES SHOWN ON THIS SHEET ARE APPROX. SEE SHEETS C-8 THRU C-14 FOR PROPOSED GRADING.
REPLACE EX. 6' C.L. FENCE AND GATES AROUND POOL DECK. CONTRACTOR SHALL INSURE PUBLIC SAFETY AND POOL SECURITY DURING REFENCING.
EXISTING SWIMMING POOL
TEXTURE SURFACING AND COLOR SHALL MATCH EX. ADJACENT SURFACE. NEW SLAB SHALL BE LEVEL WITH EX. SURFACE. TRIM EXPANSION PAVEMENT MATERIAL 1/8" BELOW SURFACE AND CAULK WITH MATCHING COLOR CAULK. SURFACE SHALL BE "NEOGARD."
REMOVE EX. LIGHT POLE
NEW POOL DECK
EX. STORAGE
TENNIS CENTER ENTRANCE SEE DETAIL SA-8
EXISTING TENNIS PRO SHOP
EXISTING TENNIS CENTER
NOT IN CONTRACT
8' AGGREGATE JOGGING PATH
CONC. WALK
NEW 10' CHAIN LINK FENCE SHALL BE GREEN VINYL COATED TO MATCH EX FENCE. THE CONTRACTOR SHALL INSURE SECURITY OF TENNIS CENTER DURING FENCE INSTALLATION.
4' CHAIN LINK FENCE
EXISTING GUARDRAIL
EDGE OF PAVEMENT
F.H.
LIMIT OF CONTRACT
AMPHITHEATER ENTRANCE
FOR DETAIL SEE SA-3
DELETED
LIMIT OF CONTRACT
NOT A PART OF THIS CONTRACT
IMPROVEMENTS SHOWN ARE PROPOSED AND SUBJECT TO CHANGE.
S 06°50'57"W 1640.99
SEE SHT. SA-2
AMPHITHEATER PLAZA
FOR DETAIL SEE SA-3
8' CONC. WALK
MATCH EX
ROOF OVER SEATING DELETED
NOTE
REMOVE THIS SECTION OF JOGGING PATH WHEN NEW PATH IS ACCEPTED FOR USE. RESTORE GRADE AND SOD.
8' JOGGING PATH SEE DETAIL SHT. SA-5
N 83°09'02"W 10.00
U.S. 1 FEDERAL HIGHWAY
15' F.P.& L. EASEMENT PER PLAT
BUS PULLOUT PER PLAT BY OTHERS.
S 06°50'58"W 150.39
8' AGGREGATE JOGGING PATH
MATCH EX
R= 57/2.65
L= 6.33'
Δ=00°03'46"
PROPERTY LINE
S 88°42'15"W 537.20
6' F.P.& L. EASEMENT PER PLAT
EXISTING CIVIC CENTER
NORTH
0 15 30 60
GRAPHIC SCALE: 1"=30'

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINEERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH

MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK

AMPHITHEATER

NO.	DATE	DESCRIPTION
1	3-23-92	CO # 1

REVISIONS

STEVEN E. TATE, RLA REGISTERED LANDSCAPE ARCHITECT #967 FOR THE FIRM

PROJECT NO. 12469

DATE OCT. 28,1991

DRAWN	CHECKED	ISSUED
S.K.E. L.M.S.	S.E.T.	

SHEET TITLE
SITE AMENITY PLAN

AMPHITHEATER

SHEET SA-1

02/21/91 KEITH   pl2469:2469psa03.dgn;l

NOTE:
GRADES SHOWN ON THIS SHEET ARE APPROX. SEE SHEETS C-8 THRU C-14 FOR PROPOSED GRADING.

EXISTING MUNICIPAL STADIUM

NOT IN CONTRACT

MUNICIPAL STADIUM ENTRACE
FOR DETAIL
SEE SHEET SA-12

NOT A PART OF THIS CONTRACT
IMPROVEMENTS SHOWN ARE PROPOSED AND SUBJECT TO CHANGE.

CONC. WALK

O.H. LINE

8' ASPHALT BIKE PATH

F.H.

W2-1

R1-2

BIKE PATH SIGNAGE, TYP.

N.E. 8TH STREET

S 88°37'21"W 1474.67

10'

MUN. STADIUM SIGN

6 SA-15

13,15 SA-17

PIPE GATE

R9-6

FOUR WAY STOP
FOR DETAIL
SEE SHEET SA-10

8' ASPHALT BIKE PATH

CONC. WALK

PROMENADE
FOR DETAIL
SEE SHEET SA-10

CONC. WALK

F.H.

DIRECTORY SIGN "A"

8 SA-16

SIGN SHALL BE STAKED IN FIELD FOR APPROVAL

PIPE GATE

N 01°23'52"W 634.85

N.E. 18TH AVE

LIMIT OF CONTRACT

CONC. WALK

MATCHLINE SEE SHEET SA-1

CONC. WALK

NORTH
0 15 30 60
GRAPHIC SCALE: 1"=30'

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINEERS
PLANNERS
SURVEYORS
6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS
POMPANO COMMUNITY PARK
AMPHITHEATER

NO. DATE DESCRIPTION
REVISIONS

STEVEN E. TATE, R.L.A.
FLORIDA REGISTERED LANDSCAPE ARCHITECT #667
FOR THE FIRM

PROJECT NO. 12469

DATE OCT. 28,1991

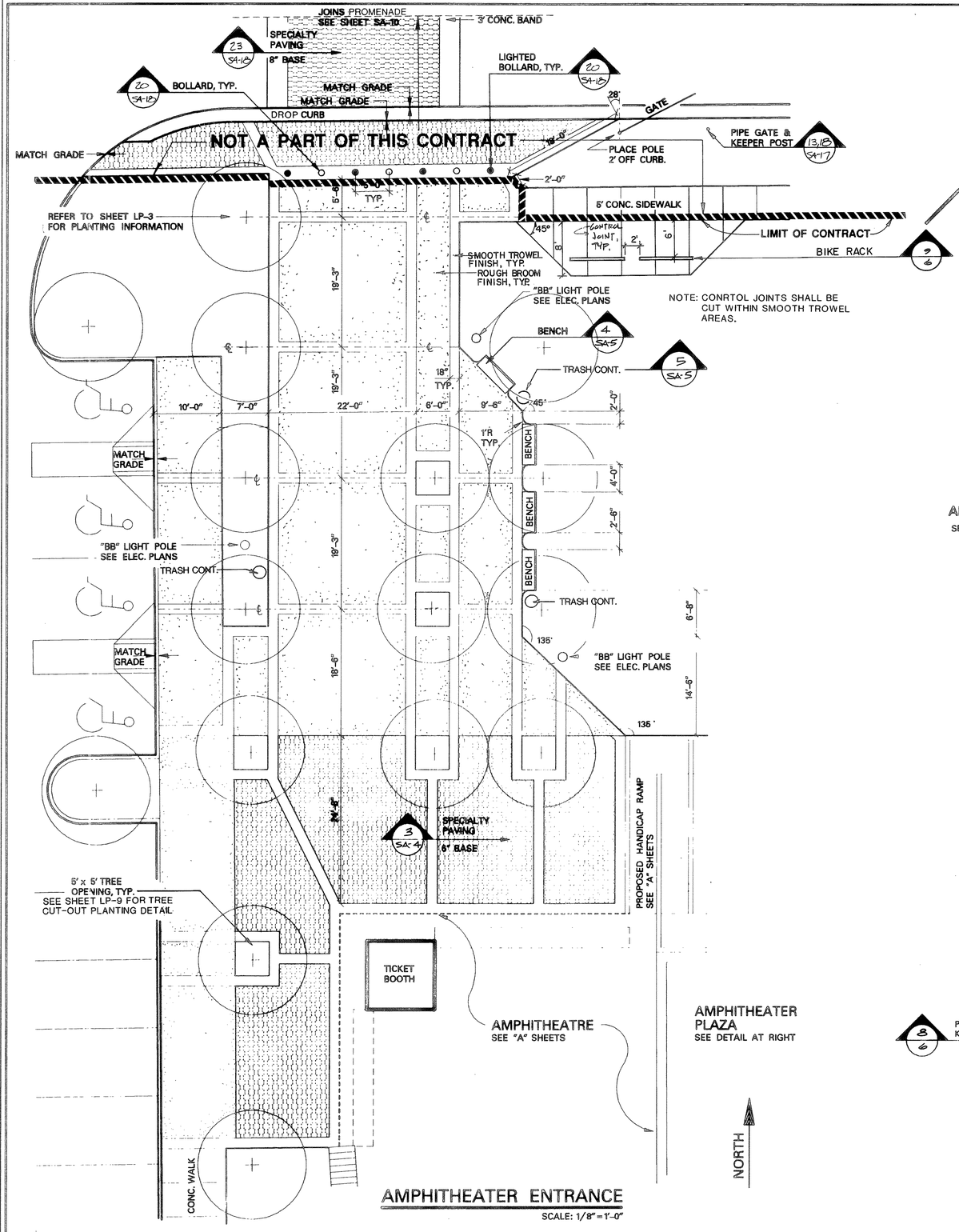
DRAWN	CHECKED	ISSUED
S.A.E. L.M.S.	S.E.T.	

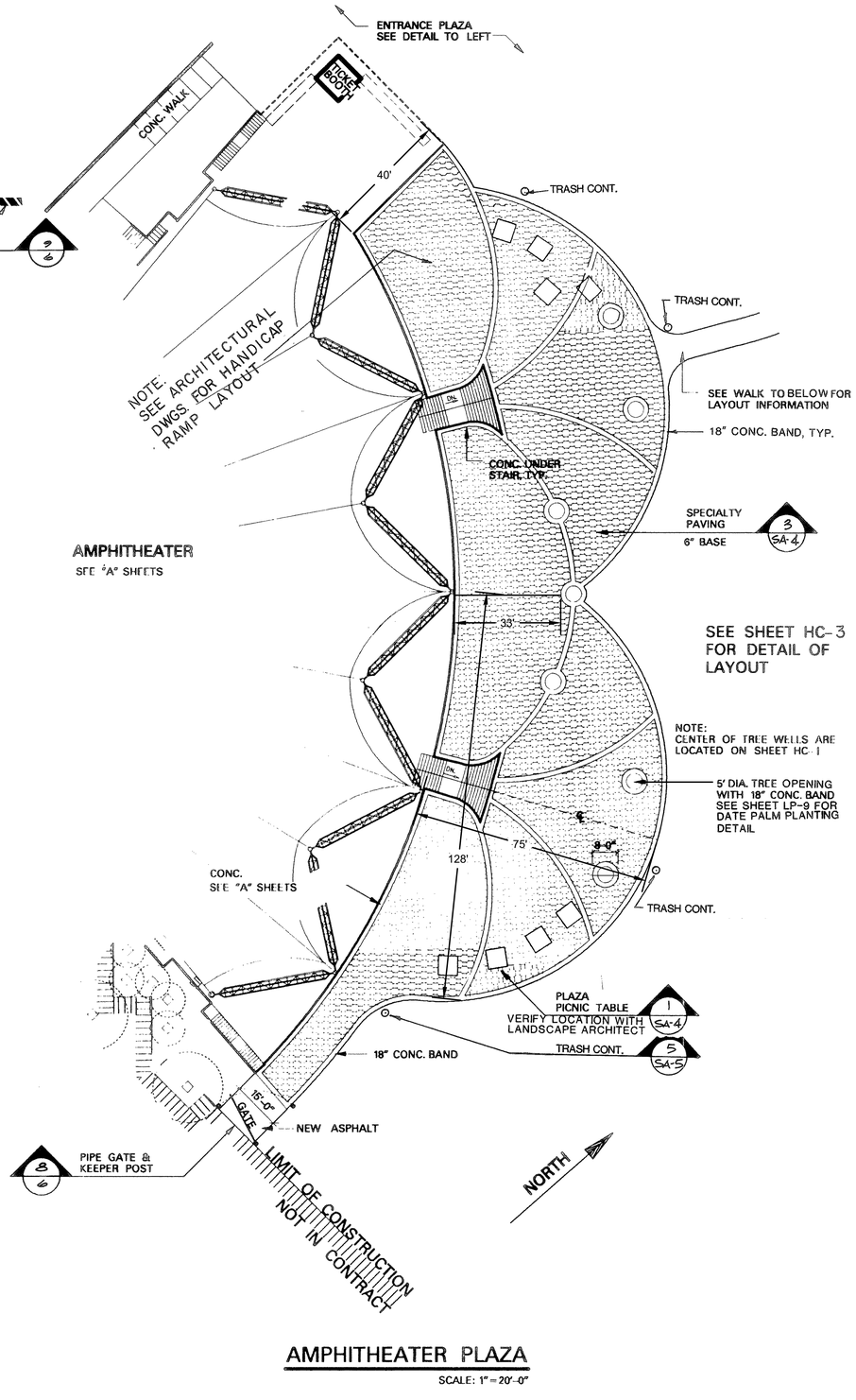
SHEET TITLE
SITE AMENITY PLAN

STADIUM ENTRANCE

SHEET SA-2

02/21/91 KEITH pl2469:2469psa05.dgn:l





Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINEERS
PLANNERS
SURVEYORS
6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS
POMPANO COMMUNITY PARK
AMPHITHEATER

NO.	DATE	REVISIONS
1	3-23-92	CO # 1

STEVENS E. TATE, RLA
REGISTERED LANDSCAPE ARCHITECT PRINCIPAL FOR THE FIRM

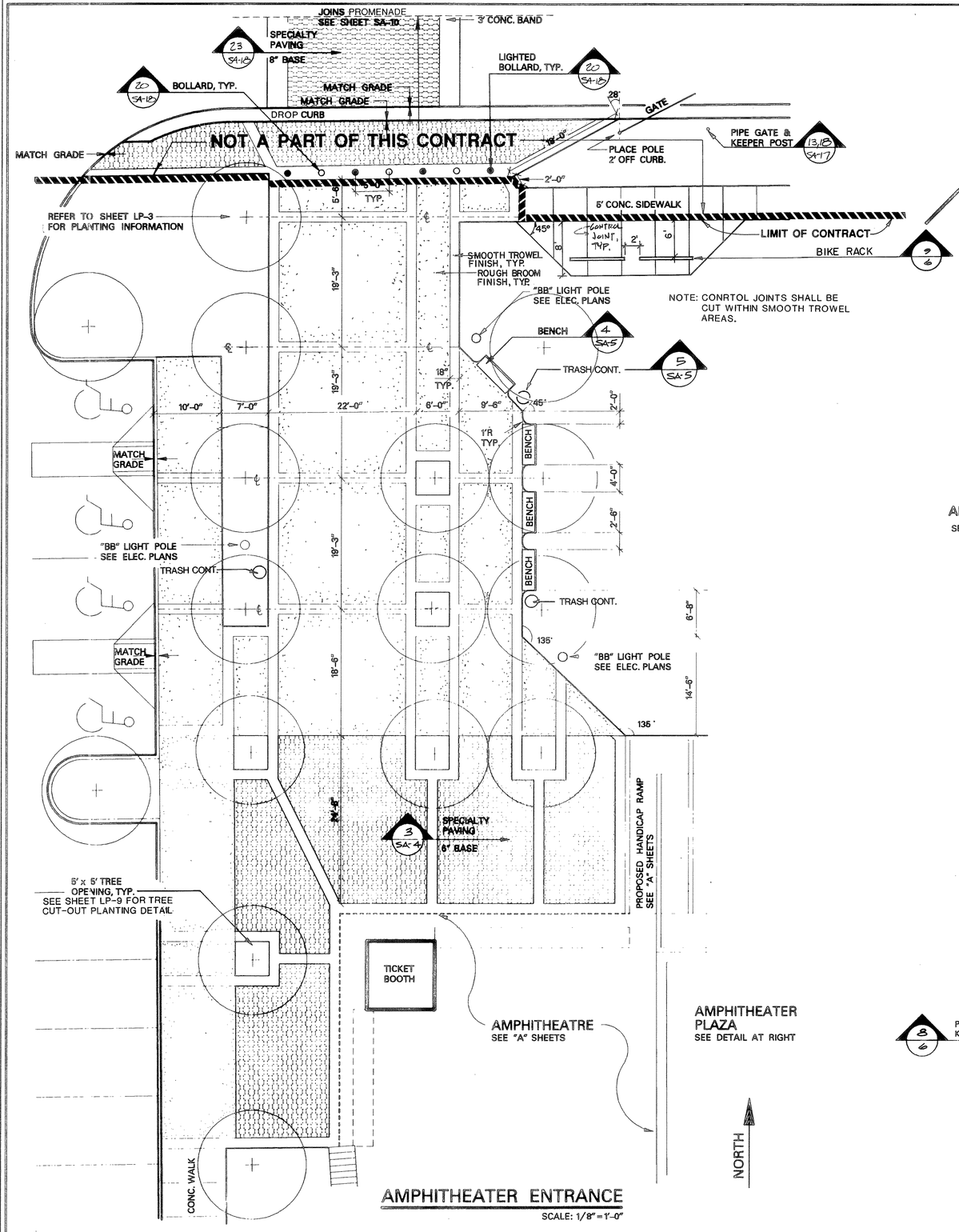
PROJECT NO. 12469
DATE OCT. 28, 1991

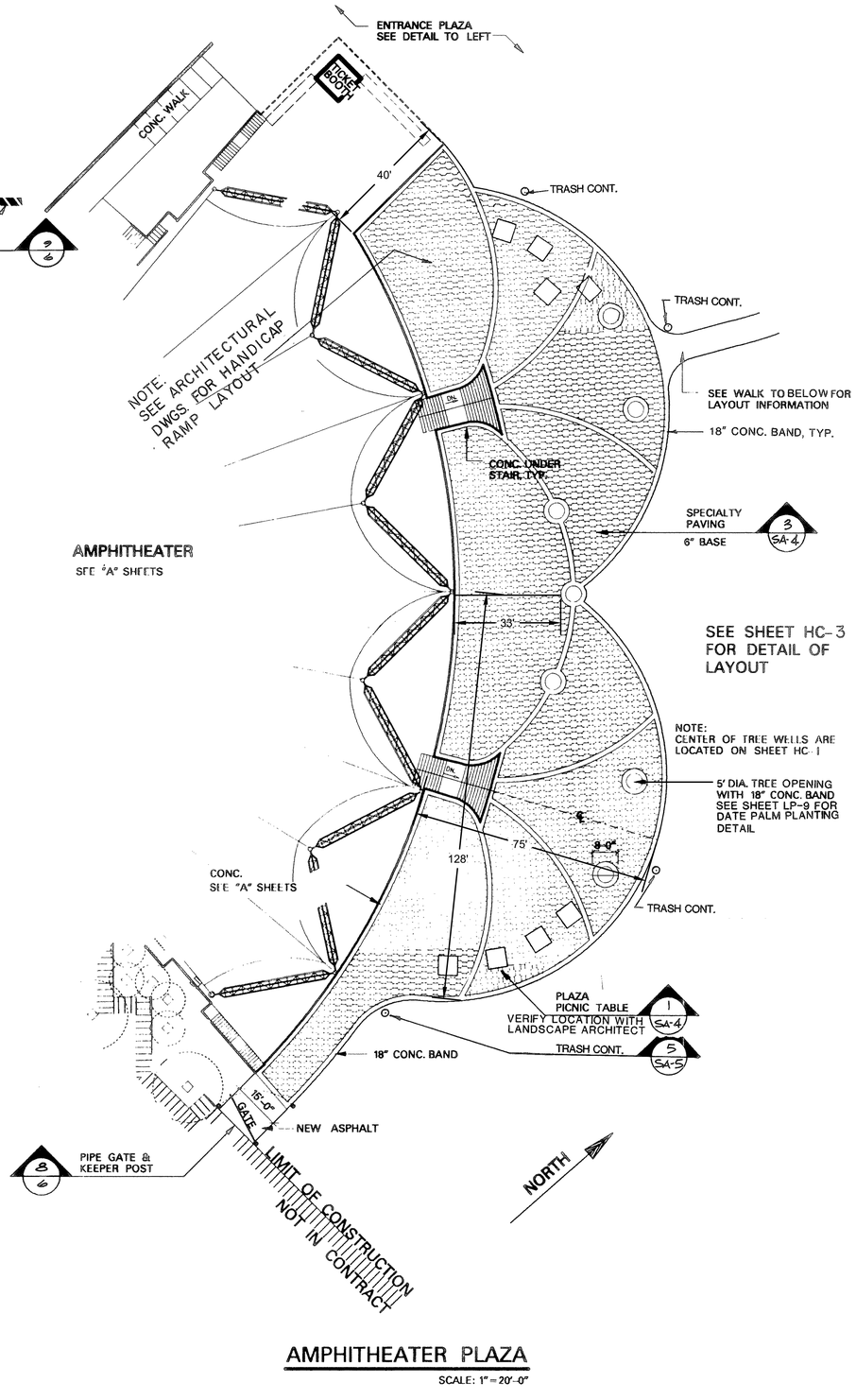
DRAWN	CHECKED	ISSUED
S.K.E.	S.E.T.	

SHEET TITLE
SITE AMENTITY DETAILS
AMPHITHEATER ENTRANCE
AMPHITHEATER PLAZA

SHEET
SA-3

02/15/91 pl2469:2469pDaM4.dgn:l





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6500 NORTH ANDREWS AVENUE
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ARCHITECTURE
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FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS
POMPANO COMMUNITY PARK
AMPHITHEATER

NO.	DATE	REVISIONS
1	3-23-92	CO # 1

STEVENS E. TATE, RLA
REGISTERED LANDSCAPE ARCHITECT PRINCIPAL FOR THE FIRM

PROJECT NO. 12469
DATE OCT. 28, 1991

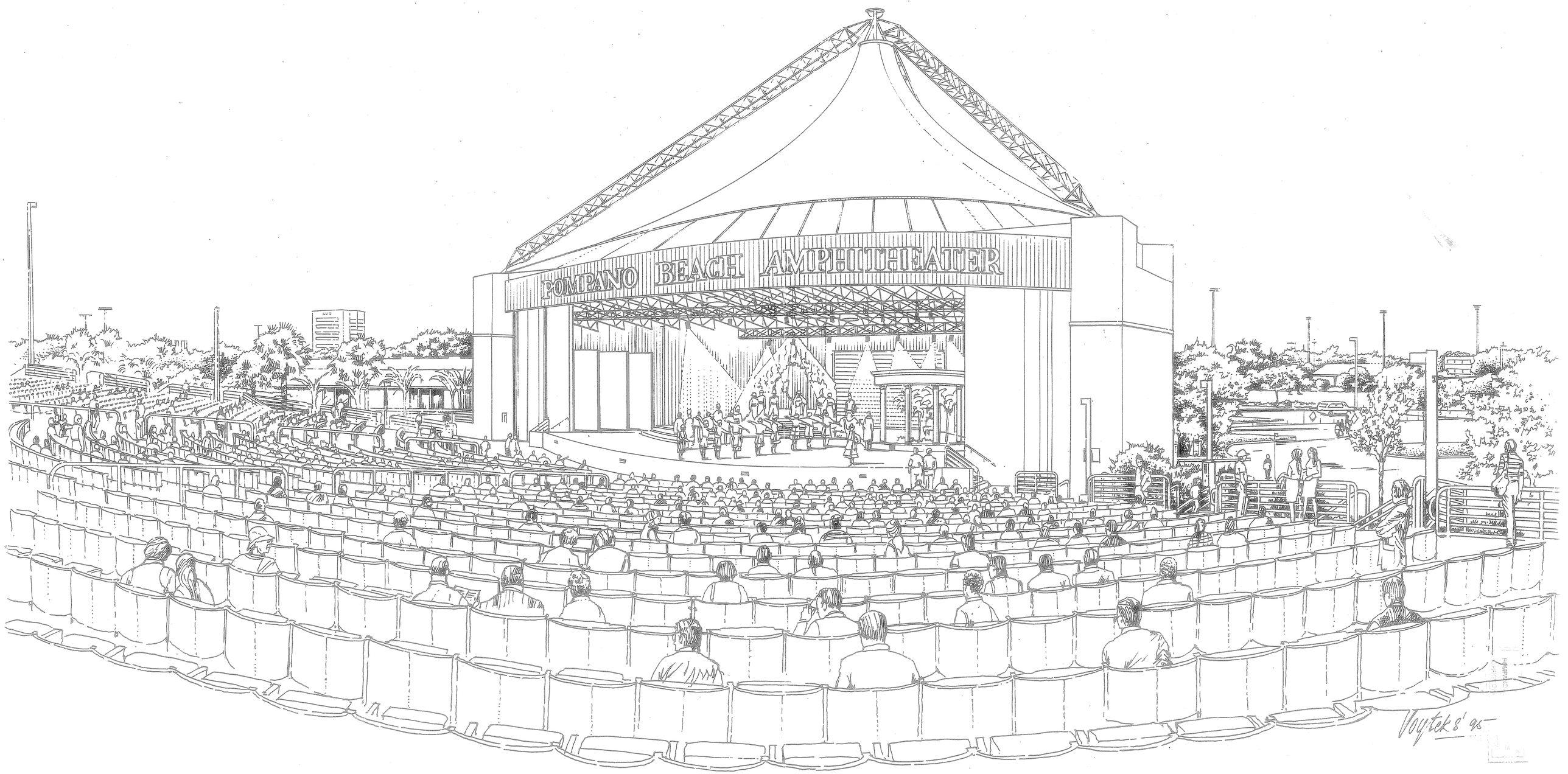
DRAWN	CHECKED	ISSUED
S.K.E.	S.E.T.	

SHEET TITLE
SITE AMENTITY DETAILS
AMPHITHEATER ENTRANCE
AMPHITHEATER PLAZA

SHEET
SA-3

02/15/91 pl2469:2469pDaM4.dgn:l

POMPANO BEACH AMPHITHEATER
CITY OF POMPANO BEACH

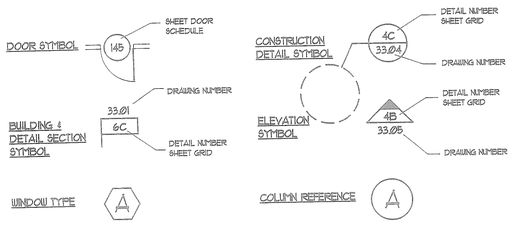


JOHN R. DEBELLO ARCHITECT ■ 638 South Military Trail ■ Deerfield Beach, Florida 33442 ■ (305) 426-2741

ARCHITECTURAL ABBREVIATIONS

A	AC	ACOUSTICAL
	ADJ	ADJUSTABLE
	AFF	ABOVE FINISH FLOOR
	AGG	AGGREGATE
	AC.	AIR CONDITIONING
	ALUM	ALUMINUM
B	BM	BEAM
	BLK	BLOCK
	BLKG	BLOCKING
	BOT	BOTTOM
	BLDG	BUILDING
	BLKHD	BULKHEAD
C	CAB	CABINET
	CARP	CARPET
	CLG	CEILING
	CEM	CEMENT
	C.L.	CENTER LINE
	CER	CERAMIC
	C.T.	CERAMIC TILE
	CO	CLEAN OUT
	CL OR CLOS	CLOSET
	COL	COLUMN
	CONC	CONCRETE
	CMU	CONCRETE MASONRY UNIT
	CONST	CONSTRUCTION
	CONT	CONTINUOUS
	CG	CORNER GRID
	CU	CUBIC
D	DEPT	DEPARTMENT
	DIA	DIAMETER
	DIM	DIMENSION
	DN	DOWN
	DS	DOWN SPOUT
	DWG	DRAWING
	DF	DRINKING FOUNTAIN
E	EA	EXPOSED AGGREGATE
	EA	EACH
	EL	ELEVATION (GRADE)
	ELE	ELEVATION (FACADE)
	ELEV	ELEVATOR
	EQ	EQUAL
	EQUIP	EQUIPMENT
	EXIST	EXISTING
	EXP.JT. OR EJ	EXPANSION JOINT
	EXP	EXPOSED
	EXT	EXTERIOR
	ELEC	ELECTRICAL
F	FT	FEET
	FIN	FINISH
	FE	FIRE EXTINGUISHER
	FEC	FIRE EXTINGUISHER CABINET
	FHC	FIRE HOSE CABINET
	FL	FLOOR
	FD	FLOOR DRAIN
	FLUOR	FLUORESCENT
	FS	FULL SIZE
	FV	FIELD VERIFY
	FVC	FIRE VALVE CABINET
G	GALV	GALVANIZED
	GA	GAUGE
	GC	GENERAL CONTRACTOR
	GL	GLASS
	GR	GRADE
	GYP	GYPSUM
	GYP BD	GYPSUM WALLBOARD
H	HRDW	HARDWARE
	HT	HEIGHT
	HM	HOLLOW METAL
	HORIZ	HORIZONTAL
I	IN	INCH
	INCAND	INCANDESCENT
	ID	INSIDE DIAMETER
	INSUL	INSULATION
	INT	INTERIOR
	INV	INVERT
J	JT	JOINT
	JST	JOIST
	JC	JANITOR'S CLOSET
L	LAV	LAVATORY
	LAM	LAMINATED
	LT	LIGHT
	LTWT	LIGHT WEIGHT
	LF OR LIN FT	LINEAR FEET
M	MAT	MATERIAL
	ML	MATCH LINE
	MAX	MAXIMUM
	MECH	MECHANICAL
	MET OR MTL	METAL
	MIN	MINIMUM
	MISC	MISCELLANEOUS
	MACH	MACHINE
	MANUF	MANUFACTURER
N	NOM	NOMINAL
	NIC	NOT IN CONTRACT
	NTS	NOT TO SCALE
Ø	OFF	OFFICE
	OPNG	OPENING
	OD	OUTSIDE DIAMETER
	OC	ON CENTER
	OH OR OPP HD.	OPPOSITE HAND
P	PR	PAIR
	PASS	PASSENGER
	PENT	PENTHOUSE
	PC	PRECAST
	PJ	PANEL JOINT
	PLAS	PLASTER
	POL	POLISHED
	PMLD	PREMOULDED
	PNL	PANEL
Q	QT	QUARRY TILE
	QTM	QUARRY TILE MINIATURES
R	RAD	RADIUS
	R	RISER
	REINF	REINFORCED
	REQ'D	REQUIRED
	RF	ROOF
	RD	ROOF DRAIN
	RM	ROOM
	RO	ROUGH OPENING
	REFL. OR REF	REFLECTED
S	SECT	SECTION
	SHT	SHEET
	SHT MET OR SM	SHEET METAL
	SIM	SIMILAR
	SQ	SQUARE
	STD	STANDARD
	SS	STAINLESS STEEL
	STL	STEEL
	STOR	STORAGE
	STRUCT	STRUCTURAL
	SUSP	SUSPENDED
	SPECS	SPECIFICATIONS
T	TEL	TELEPHONE
	TEMP	TEMPERED
	T	TOILET
	T	TREADS
	TYP	TYPICAL
	TR	TELEPHONE RECEPTACLE
	THK	THICK
V	VERT	VERTICAL
	VT	VINYL TILE
	VB	VAPOR BARRIER
	VWC	VINYL WALL COVERING
W	VWC-GYP	WALL COVERING - GYPSUM BOARD
	VWC-PLAS	WALL COVERING - PLASTER
	WC	WET COLUMN
	WP	WATERPROOFING
	WD	WOOD
	W/	WITH
	W/O	WITHOUT
	WC	WATER COOLER
Y	YD	YARD

REFERENCE SYMBOLS



SUMMARY OF WORK

THE WORK CONSISTS OF THE FOLLOWING DESCRIPTIONS. THIS SECTION IS INTENDED FOR THE CONTRACTOR'S GENERAL INFORMATION ONLY, AND IS NOT INTENDED TO BE A COMPLETE LIST OF THE WORK INTENDED FOR THIS PROJECT. THE SCOPE OF WORK IS INDICATED ON THE DRAWINGS AND BY THE REQUIREMENTS OF EACH SPECIFICATION SECTION.

A. DEMOLITION:

1. THIS WORK INCLUDES THE DEMOLITION OF EXISTING STUCCO AND METAL STUD WALLS AT EACH SIDE OF THE STAGE. CARE IS TO BE TAKEN AT SURFACE MOUNTED ELECTRICAL BOXES AND SERVICES.
2. CONCRETE WALK AND SLAB TO BE DEMOLISHED FOR THE INSTALLATION OF NEW CONCRETE COLUMNS.
3. EXISTING STEEL TRUSS TO BE REMOVED FROM THE SITE. EXISTING STAGE LIGHTING TO BE GIVEN TO THE OWNER

B. CONCRETE WORK:

1. CONCRETE WORK INCLUDES NORMAL WEIGHT CONCRETE FOR COLUMNS, BEAM AND CONCRETE POURS ON TOP THE REAR BLOCK WALLS.
2. LIGHT WEIGHT CONCRETE WILL BE USED FOR ROOF DECKS.

C. ROOF JOISTS AND METAL DECK:

1. THE ROOF JOISTS AND METAL ROOF DECK TO BE INSTALLED UNDER THE EXISTING TENT STRUCTURE. THE CONTRACTOR SHALL PROVIDE. DETAILS AND A NARRATIVE IN THE BID DOCUMENTS DESCRIBING THE PROCESS AND THE EQUIPMENT THAT IS INTENDED TO BE USED.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING EQUIPMENT AND MATERIAL ITEMS FROM DAMAGE AS A RESULT OF HIS OPERATIONS, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS.

D. MODIFIED BITUMINOUS SHEET ROOFING:

1. ROOFING WILL INCLUDE MODIFIED BITUMINOUS SHEET ROOFING WITH MINERAL GRANULE SURFACING, STAINLESS STEEL FLASHINGS, AND OTHER ROOF WORK TO MAKE A WATERTIGHT INSTALLATION.

E. WORK SEQUENCE

1. THE WORK WILL BE CONDUCTED AND COMPLETED IN PHASES. CONTRACTOR TO SCHEDULE THE WORK TO ACCOMMODATE SCHEDULED OF EVENTS AT THE AMPHITHEATER.

ALTERNATES

ALTERNATES THAT AFFECT THIS WORK. REFER TO SPECIFICATION SECTION Ø1Ø3Ø FOR DETAILS

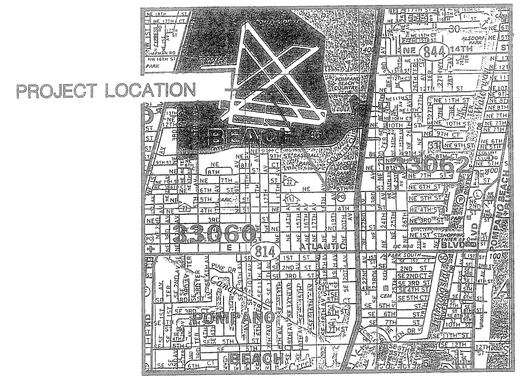
ALTERNATE NO. 1: ADD ALTERNATE FOR THE COMPLETE INSTALLATION OF THE MOVABLE PANELS AS INDICATED BY DETAILS ON THE DRAWINGS. THE ALTERNATE INCLUDES BUT NOT LIMITED TO: SIX (6) PIVOTED PANELS, HARDWARE, STRUCTURAL SUPPORTS BETWEEN THE JOISTS AND SIGNAGE REQUIRED BY THE FIRE DEPARTMENT. THE SPECIFICATION AND DETAILS ON THE DRAWINGS INDICATE A CONTRACTOR'S OPTION TO PURCHASE THE PANELS FACTORY ASSEMBLED OR FIELD ASSEMBLED.

ALTERNATE NO. 2: SUPPLY AND INSTALL THE ACOUSTICAL WALL PANELS AS SHOWN ON DRAWING 32.Ø1.

ALTERNATE NO. 3: ADD THE FUSIBLE 2ØØ AMP DISCONNECT AS INDICATED ON DRAWING 9Ø.Ø2, COMPLETE WITH CONDUIT AND CABLE TRAY. COORDINATE THE PANEL WITH THE NEW MASONRY WALL.

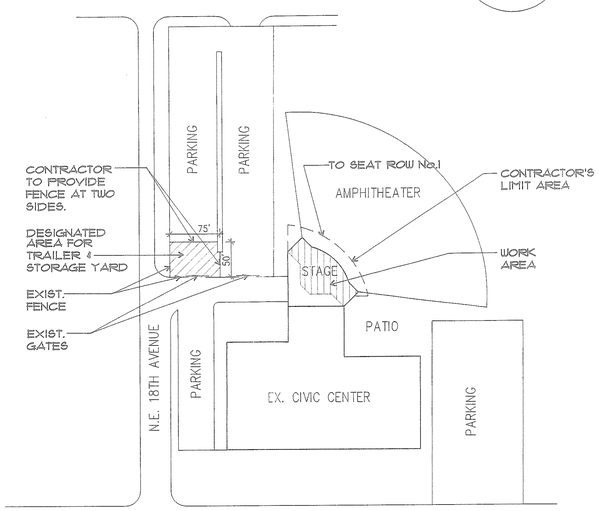
ALTERNATE NO. 4: ADD PAINTING TO EXISTING CONCRETE, STUCCO WALLS, EXISTING MAN DOORS AND EXISTING ROLLING DOOR AS SHOWN ELEVATION DETAILS 4N, 9N AND 13N ON DRAWING 32.Ø1.

ALTERNATE NO. 5 (A & B): ADD SIGNAGE "THE POMPANO BEACH AMPHITHEATER" ON METAL FASCIA AS SHOWN ON DRAWING 31Ø1 AND SPECIFICATION SECTION 1Ø425. ALT. 5A -CUT, PAINTED ALUMINUM SHEET LETTERS, ALT. 5B - CUT, PAINTED ACRYLIC SHEET LETTERS.



LOCATION MAP

NORTH



PARTIAL SITE PLAN

N.T.S.

NORTH

CITY OF POMPANO BEACH, FLORIDA

COMMISIONERS

EMMA LOU OLSON	MAYOR
GEORGE H. MELCHER	VICE MAYOR
HERB SKOLNICK	
E. PAT LARKINS	
WILLIAM F. GRIFFIN	
WILLIAM HARGETT	CITY MANAGER

ROOF ADDITION

DRAWING NO.	DRAWING TITLE	ISSUE DATE	REVISED DATE
ØØ.ØØ	INDEX SHEET	Ø7-14-95	1Ø-3Ø-95
ARCHITECTURAL			
3Ø.Ø1	FLOOR PLAN	Ø7-14-95	1Ø-3Ø-95
3Ø.Ø2	REFLECTED CEILING PLAN	Ø7-14-95	1Ø-3Ø-95
3Ø.Ø3	ROOF PLAN	Ø7-14-95	1Ø-3Ø-95
31.Ø1	ELEVATION	Ø7-14-95	1Ø-3Ø-95
32.Ø1	BUILDING SECTIONS & INT. ELEVATIONS	Ø7-14-95	1Ø-3Ø-95
33.Ø1	DETAILS	Ø7-14-95	1Ø-3Ø-95
ENGINEERING			
6Ø.Ø1	STRUCTURAL PLAN	Ø9-15-95	1Ø-3Ø-95
9Ø.Ø1	ELECTRICAL PLAN	Ø9-15-95	1Ø-3Ø-95
9Ø.Ø2	SCHEDULES & RISERS	Ø9-15-95	1Ø-3Ø-95

STRUCTURAL ENG.:
JENKINS & CHARLAND
3559 N.W. 53rd STREET
FT. LAUDERDALE, FL. 33309
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
949A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8636

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 811438
BOCA RATON, FL. 33481
407-487-5898

POMPANO AMPHITHEATER

Pompano Beach, Florida

No.	Date	Item
		REVISIONS

Drawn

Checked

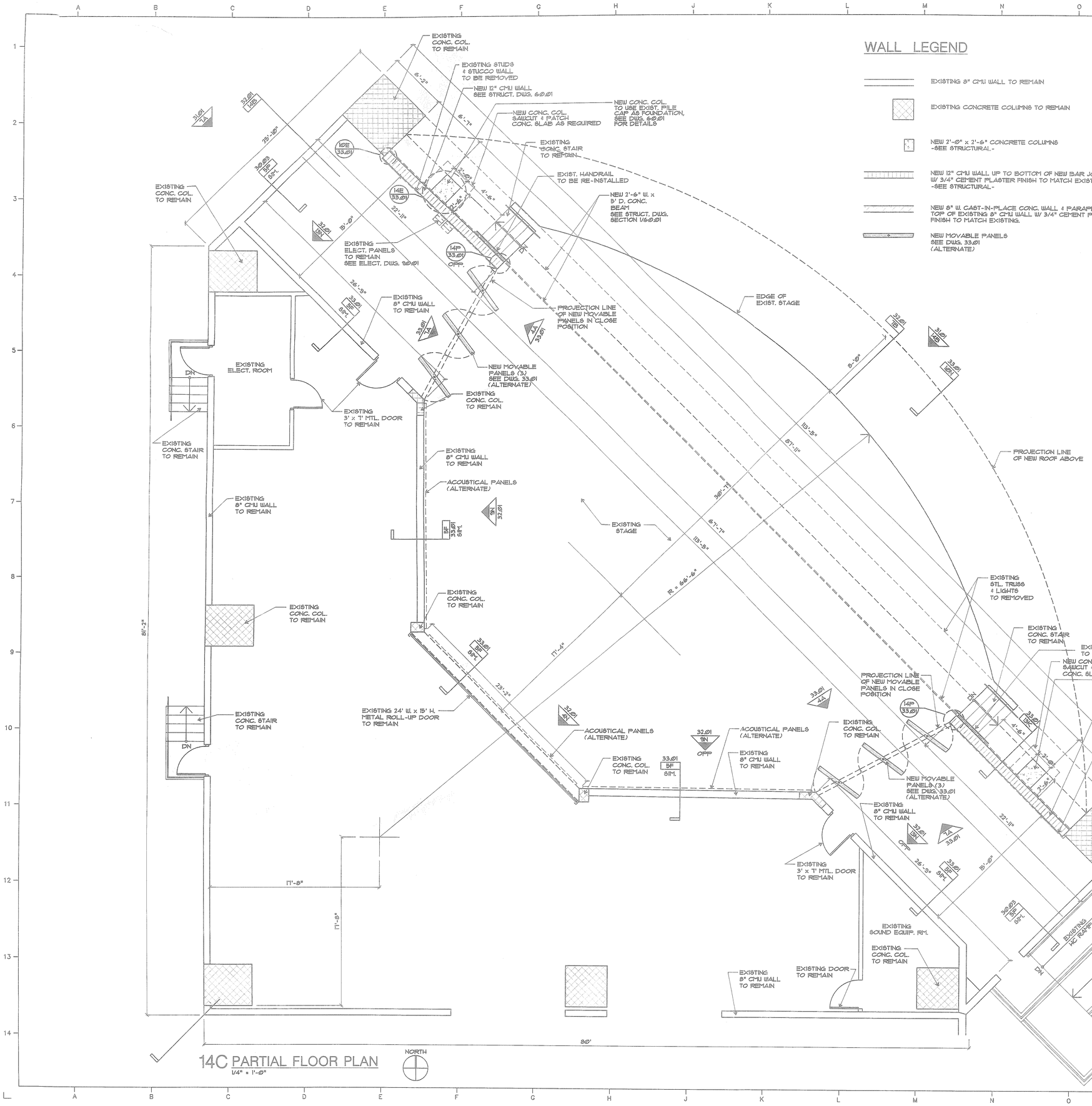
Approved

Seal

JOHN R. DEBELLO ARCHITECT
Quorum Business Center
838 South Military trail
Deerfield Beach, Florida 33442
(305) 426-2741
Florida Reg.. No. AR 0011635

Title: INDEX SHEET

Contr. No.	95117.00	00
Scale	NONE	
Date	Ø7-14-95	00
Last Rev.	1Ø-3Ø-95	



WALL LEGEND

- EXISTING 8" CMU WALL TO REMAIN
- EXISTING CONCRETE COLUMNS TO REMAIN
- NEW 2'-Ø" x 2'-6" CONCRETE COLUMNS -SEE STRUCTURAL-
- NEW 12" CMU WALL UP TO BOTTOM OF NEW BAR JOIST W/ 3/4" CEMENT PLASTER FINISH TO MATCH EXISTING -SEE STRUCTURAL-
- NEW 8" W. CAST-IN-PLACE CONC. WALL & PARAPET ON TOP OF EXISTING 8" CMU WALL W/ 3/4" CEMENT PLASTER FINISH TO MATCH EXISTING.
- NEW MOVABLE PANELS SEE DWG. 33.Ø1 (ALTERNATE)

GENERAL NOTES

1. ALL DIMS MUST BE VERIFY IN FIELD PRIOR CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY IN CASE OF DISCREPANCIES.
2. CONTRACTOR TO VERIFY EXISTING FOOTING UNDER STAGE EDGE FOR NEW 8" CMU WALL. -SEE STRUCTURAL FOR CONNECTION-
3. DO NOT USE EXISTING ROOF AS A WORK AREA AND KEEP IT FREE OF DEBRIS.
4. CONTRACTOR TO VERIFY ALL EXISTING STRUCTURAL CONDITIONS AND NOTIFY ARCHITECT IMMEDIATELY IN CASE OF DISCREPANCIES.
5. CONTRACTOR SHALL VISIT THE JOB SITE AND OBSERVE THE FIELD CONDITIONS BEFORE COMPLETING THE BID FOR THE PROJECT.

DEMOLITION NOTES

1. USE CARE DURING THE DEMOLISHING OF STUD AND STUCCO WALL AND REMOVAL OF STEEL TRUSS TO MAINTAIN ALL EXISTING CONDITIONS FREE OF DAMAGE.

14C PARTIAL FLOOR PLAN

1/4" = 1'-Ø"

NORTH

STRUCT. :
JENKINS & CHA
3559 N.W. 53rd S
FT. LAUDERDALE, FL.
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
948A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8836

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 811438
BOCA RATON, FL. 33481
407-487-8598

POMPANO AMPHITHEATER

Pompano Beach, Florida

No.	Date	Item
		REVISIONS

Drawn

Checked

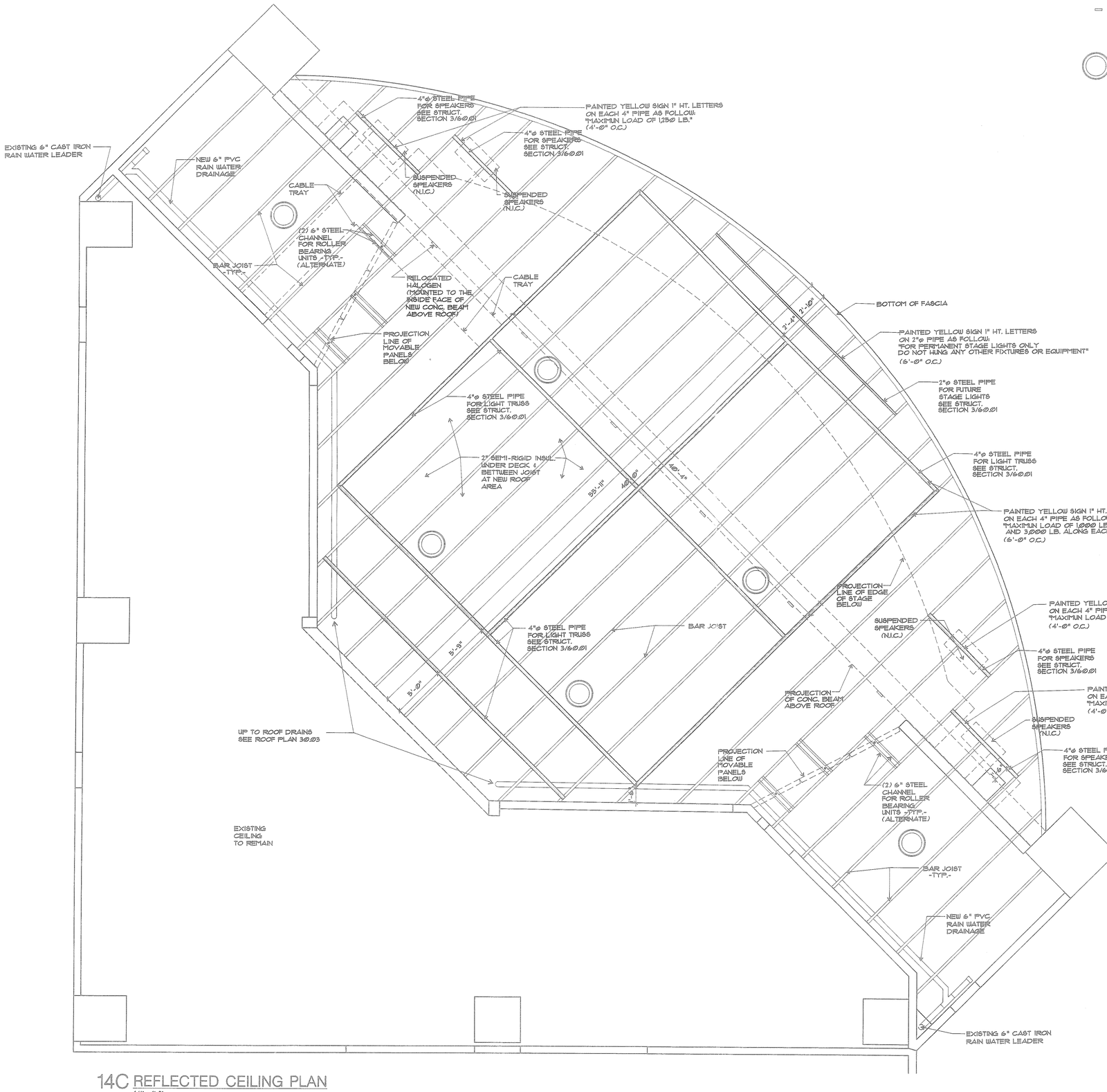
Approved

Seal

JOHN R. DEBELLO ARCHITECT
Quorum Business Center
838 South Military Trail
Deerfield Beach, Florida 33442
(305) 426-2741
Florida Reg. No. AR 0011635

Title: FLOOR PLAN

Contr. No.	95117.00	30
Scale	1/4" = 1'-0"	
Date	07-14-95	01
Last Rev.	10-30-95	



14C REFLECTED CEILING PLAN
1/4" = 1'-0"

REFLECTED CEILING PLAN LEGEND

RELOCATED HALOGEN LIGHTS FIXTURES MOUNTED ON THE INSIDE FACE OF NEW CONC. BEAM ABOVE ROOF @ 12" FROM TOP OF BEAM
- 6 FIXTURES -

NEW HIGH PRESSURE SODIUM LIGHT FIXTURE COMPLETE WITH MOUNTING BRACKETS LOW BAY TX A30 MFR. BY LITHONIA LIGHTING OR APPROVED EQUAL
- 6 FIXTURES -
BOTTOM OF FIXTURE @ 21 1/4" FROM MTL. DECK

REFLECTED CEILING PLAN NOTES

1. EXISTING 27 UNITS PAR-64 LIGHTS FIXTURES AND 10 UNITS ELL IPSOIDAL LIGHTS FIXTURES MOUNTED ON EXISTING STEEL TRUSS TO BE REMOVED AND TURN OVER THE OWNER.
2. 2" SEMI-RIGID INSULATION TO BE TYPE 703 UNFACED MANUFACTURER BY OWENS CORNING OR EQUAL. USE "HI-TUFF PIF" PREASEMBLED INSULATION FASTENER W/ 3" PLASTIC PLATE OR OTHER APPROVED IMPLATYNE PINS. AFTER INSTALLATION INSULATION MUST BE PAINTED FLAT BLACK INCLUDING PLASTIC PLATE AND SCREW.
3. ALL EXPOSED JOISTS, METAL DECK, PIPE SUPPORTS, RAIN WATER PIPING, LIGHT GAGE METAL STUDS AT FASCIA AND INSULATION TO BE PAINTED FLAT BLACK.

STRUCTURAL ENG.:
JENKINS & CHARLAND
3559 N.W. 53rd STREET
FT. LAUDERDALE, FL. 33309
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
948A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8636

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 811438
BOCA RATON, FL. 33481
407-487-6898

POMPANO AMPHITHEATER
Pompano Beach, Florida

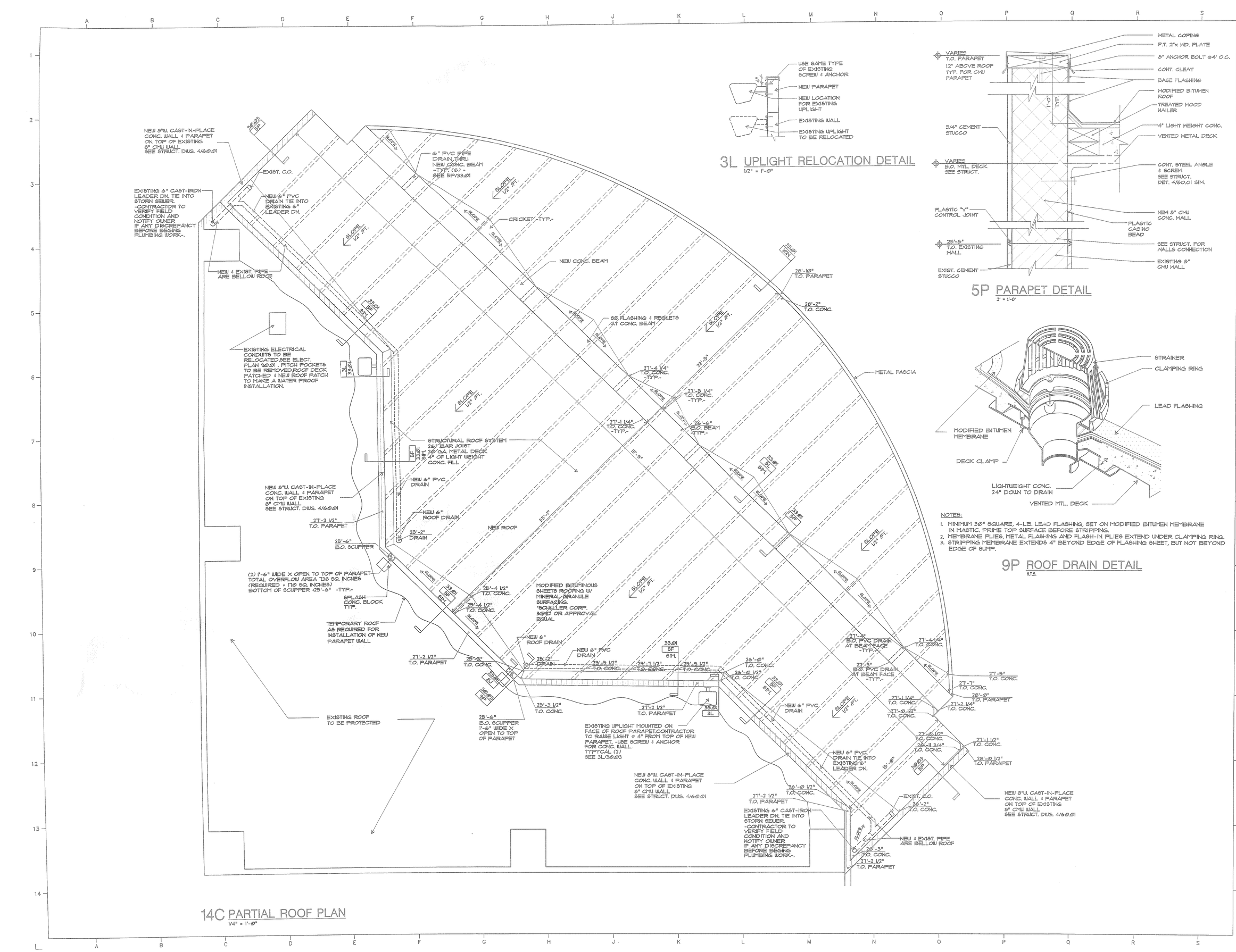
No.	Date	Item
REVISIONS		

Drawn
Checked
Approved
Seal

JOHN R. DEBELLO ARCHITECT
Quorum Business Center
638 South Military Trail
Deerfield Beach, Florida 33442
(305) 426-2741
Florida Reg. No. AR 0011635

Title: REFLECTED CEILING PLAN

Contr. No.	95117.00	30
Scale	1/4" = 1'-0"	
Date	07-14-95	02
Last Rev.	10-30-95	



14C PARTIAL ROOF PLAN
1/4" = 1'-Ø"

3L UPLIGHT RELOCATION DETAIL
1/2" = 1'-Ø"

5P PARAPET DETAIL
3" = 1'-Ø"

NOTES:
1. MINIMUM 30" SQUARE, 4-LB. LEAD FLASHING, SET ON MODIFIED BITUMEN MEMBRANE IN MASTIC. PRIME TOP SURFACE BEFORE STRIPPING.
2. MEMBRANE PLIES, METAL FLASHING AND FLASH-IN PLIES EXTEND UNDER CLAMPING RING.
3. STRIPPING MEMBRANE EXTENDS 4" BEYOND EDGE OF FLASHING SHEET, BUT NOT BEYOND EDGE OF SUMP.

9P ROOF DRAIN DETAIL
N.T.S.

STRUCTURAL ENG.:
JENKINS & CHARLAND
3559 N.W. 53rd STREET
FT. LAUDERDALE, FL. 33309
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
949A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8536

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 81-1438
BOCA RATON, FL. 33481
407-487-6398

POMPANO AMPHITHEATER

Pompano Beach, Florida

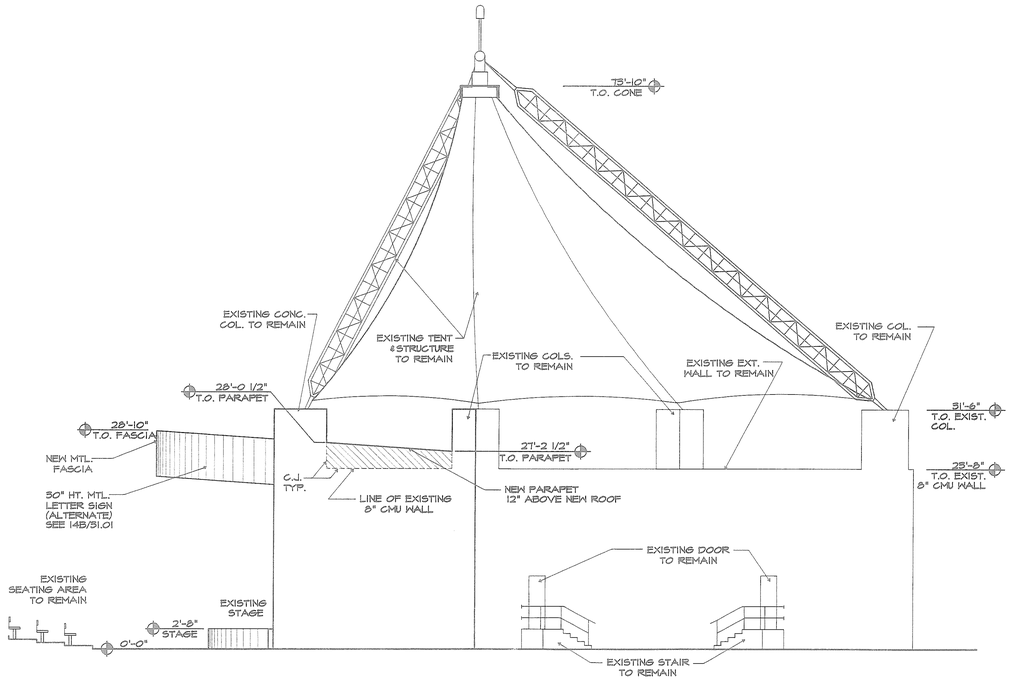
No.	Date	Item
REVISIONS		

Drawn
Checked
Approved
Seal:

JOHN R. DEBELLO ARCHITECT
Quorum Business Center
838 South Military Trail
Deerfield Beach, Florida 33442
(305) 426-2721
Florida Reg. No. AR 0011635

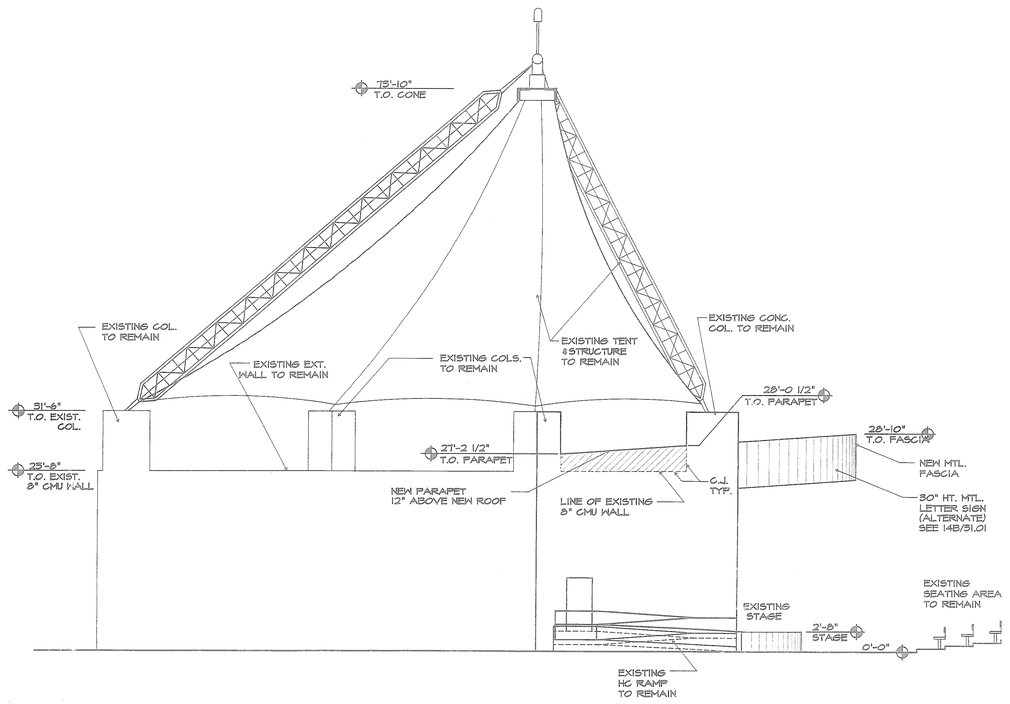
Title: ROOF PLAN

Contr. No.	95117.00	30
Scale	AS NOTED	
Date	07-14-95	03
Last Rev.	10-30-95	



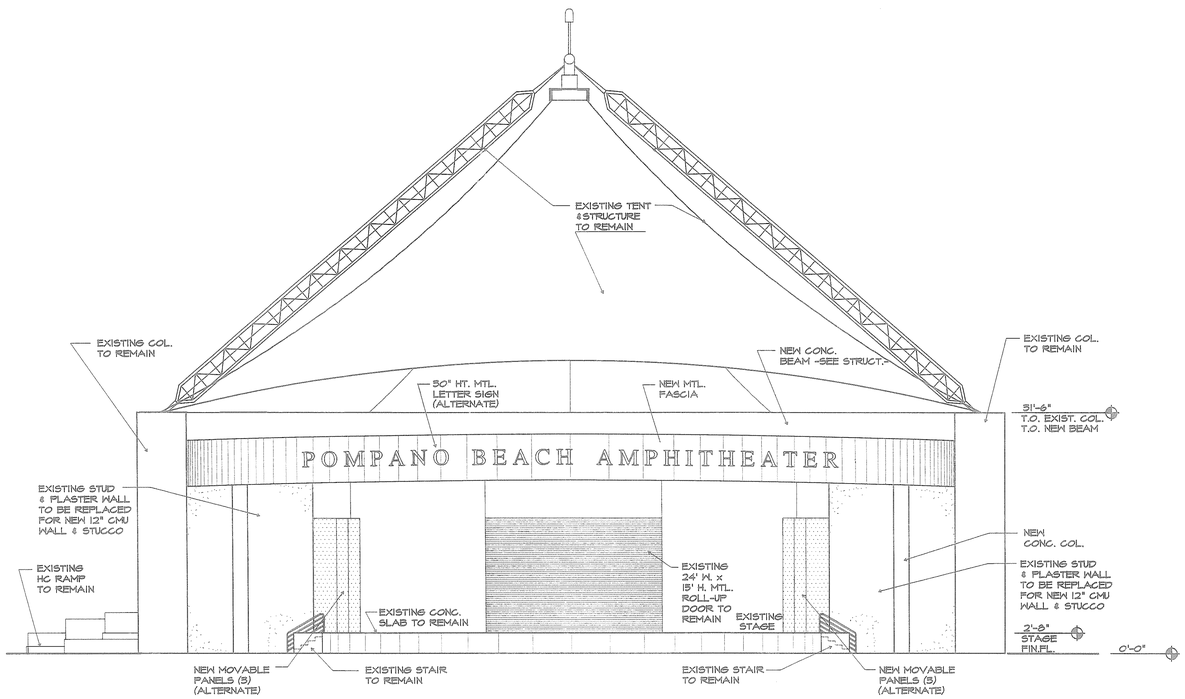
7A NORTHWEST ELEVATION

1/8" = 1'-0"



7K SOUTHEAST ELEVATION

1/8" = 1'-0"



14B NORTHEAST ELEVATION

1/8" = 1'-0"

STRUCTURAL ENG.:
JENKINS & CHARLAND
3559 N.W. 53rd STREET
FT. LAUDERDALE, FL. 33309
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
949A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8636

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 811438
BOCA RATON, FL. 33481
407-487-6898

POMPANO AMPHITHEATER

Pompano Beach, Florida

No.	Date	Item
REVISIONS		

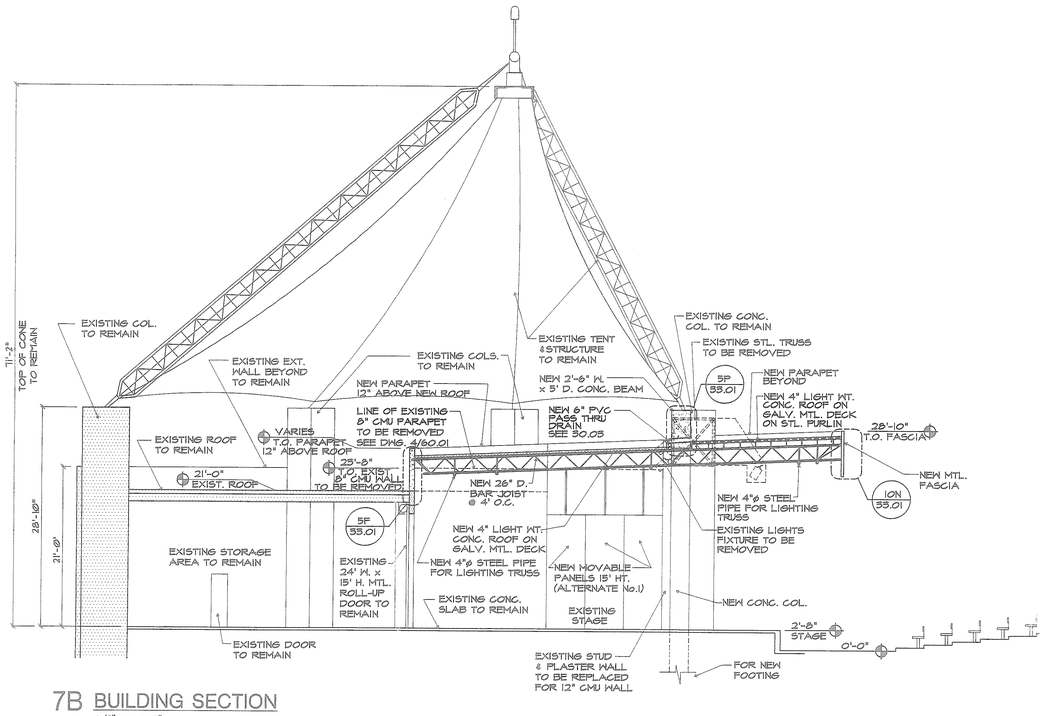
Drawn
Checked
Approved
Seal

JOHN R. DEBELLO ARCHITECT
Quorum Business Center
838 South Military Trail
Deerfield Beach, Florida 33442
(305) 426-2741
Florida Reg. No. AR 0011835

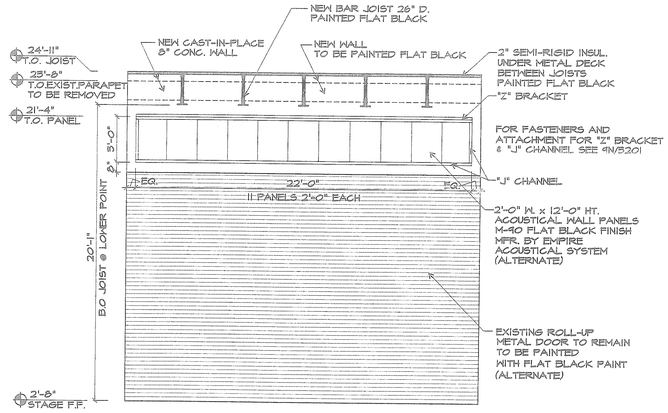
Title: ELEVATIONS

Contr. No.	951117.00
Scale	1/8"= 1'-0"
Date	07-14-15
Last Rev.	10-30-15

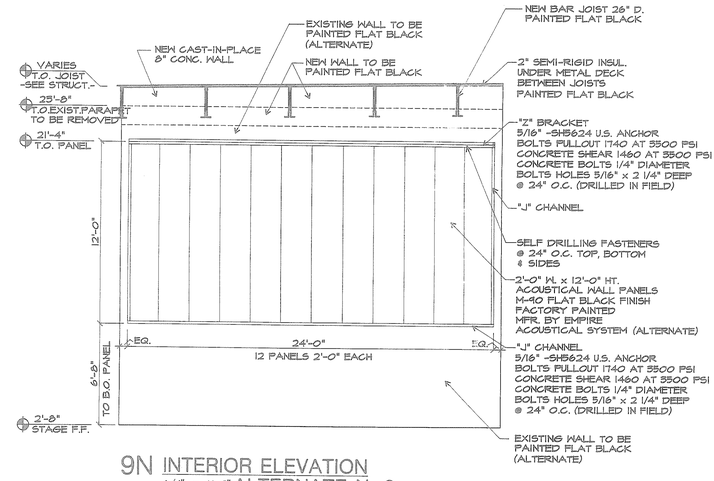
31
01



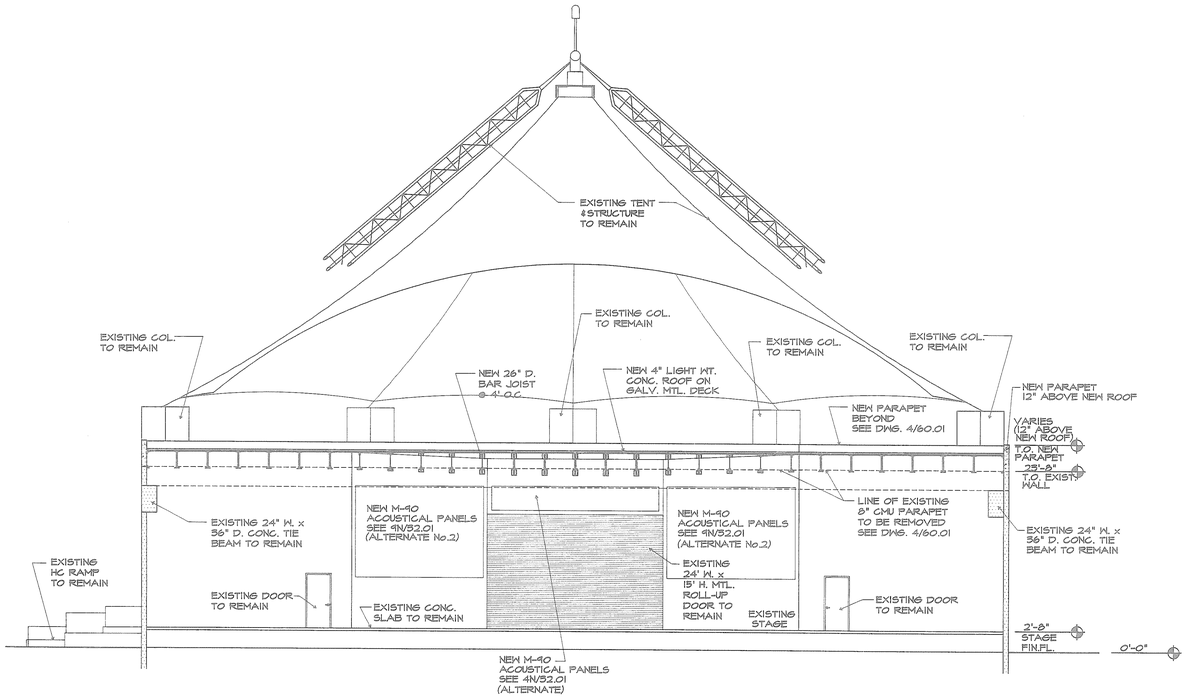
7B BUILDING SECTION
1/8" = 1'-0"



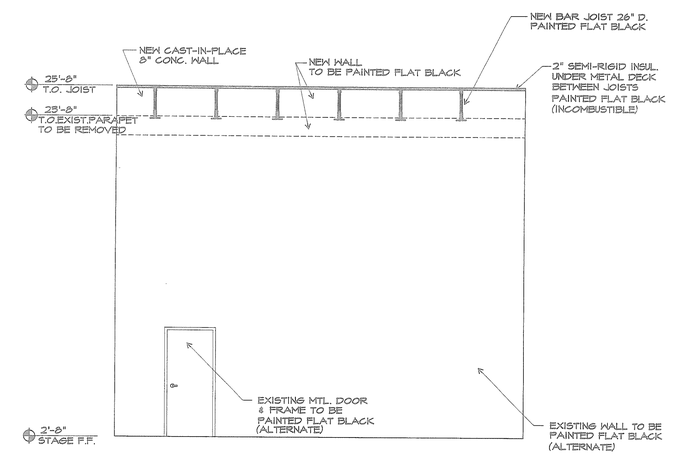
4N INTERIOR ELEVATION
1/4" = 1'-0"



9N INTERIOR ELEVATION
1/4" = 1'-0" ALTERNATE No.2



14B BUILDING SECTION
1/8" = 1'-0"



13N INTERIOR ELEVATION
1/4" = 1'-0"

STRUCTURAL ENG.:
JENKINS & CHARLAND
3559 N.W. 53rd STREET
FT. LAUDERDALE, FL. 33309
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
949A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8636

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 811438
BOCA RATON, FL. 33481
407-487-8898

POMPANO AMPHITHEATER
Pompano Beach, Florida

No.	Date	Item
		REVISIONS

Drawn
Checked
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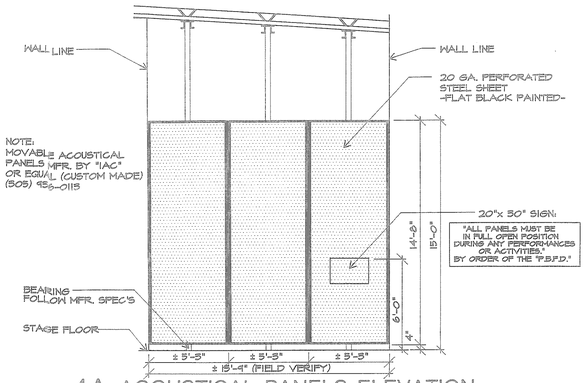
Seal

JOHN R. DEBELLO ARCHITECT
Quorum Business Center
638 South Military Trail
Deerfield Beach, Florida 33442
(305) 426-2741
Florida Reg. No. AR 0011635

Title: BUILDING SECTIONS & INTERIOR ELEVATIONS

Contr. No.	9511 7.00
Scale	AS NOTED
Date	07-16-15
Last Rev.	10-30-15

32
01

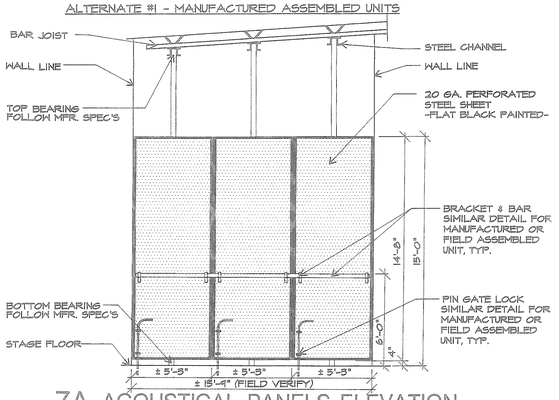


4A ACOUSTICAL PANELS ELEVATION

1/4" = 1'-0"

OUTSIDE VIEW

ALTERNATE #1 - MANUFACTURED ASSEMBLED UNITS

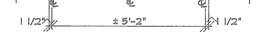


7A ACOUSTICAL PANELS ELEVATION

1/4" = 1'-0"

INSIDE VIEW

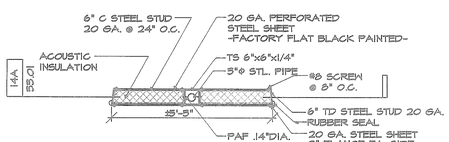
ALTERNATE #1 - MANUFACTURED ASSEMBLED UNITS



9A TYPYCAL PLAN DETAIL FOR ACOUSTICAL PANELS

1/2" = 1'-0"

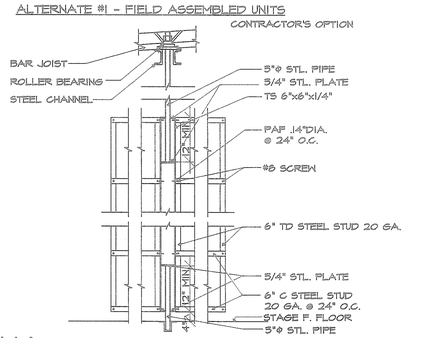
ALTERNATE #1 - MANUFACTURED ASSEMBLED UNITS



11A ACOUSTICAL PANEL PLAN DETAIL

1/2" = 1'-0"

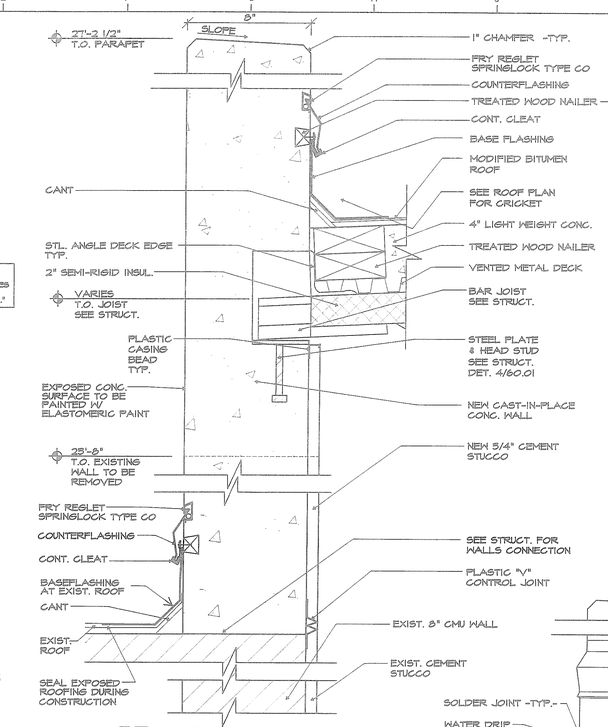
ALTERNATE #1 - FIELD ASSEMBLED UNITS



14A PANEL DETAILED SECTION

1/2" = 1'-0"

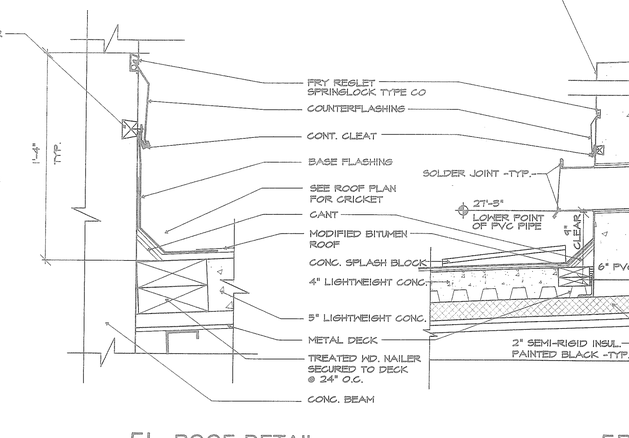
ALTERNATE #1 - FIELD ASSEMBLED UNITS CONTRACTOR'S OPTION



5F PARAPET DETAIL

3" = 1'-0"

SEE STRUCT. DET. 4/60.01

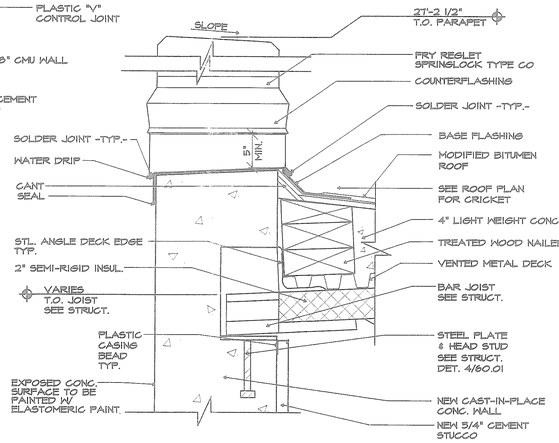


5L ROOF DETAIL

3" = 1'-0"

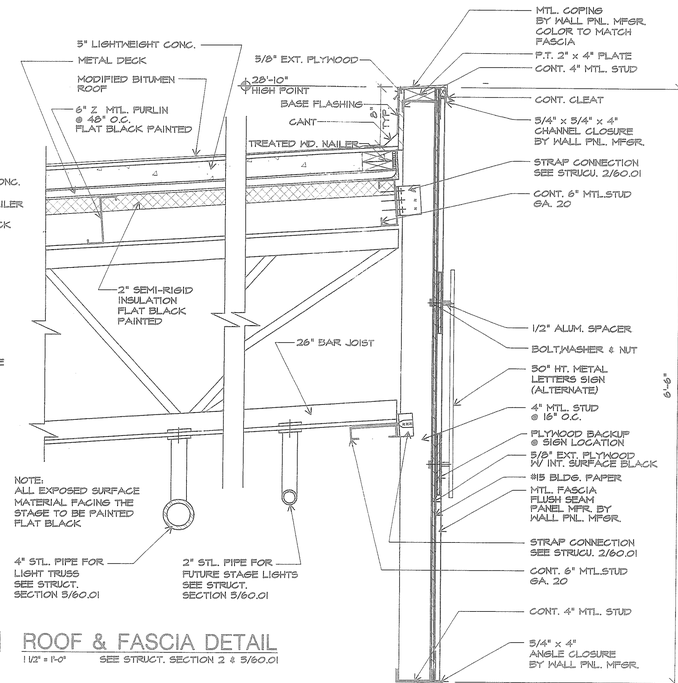
5P ROOF DETAIL

1 1/2" = 1'-0" SEE STRUCT. SECTION 1/60.01



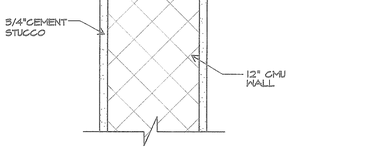
8J SCUPPER DETAIL

3" = 1'-0"



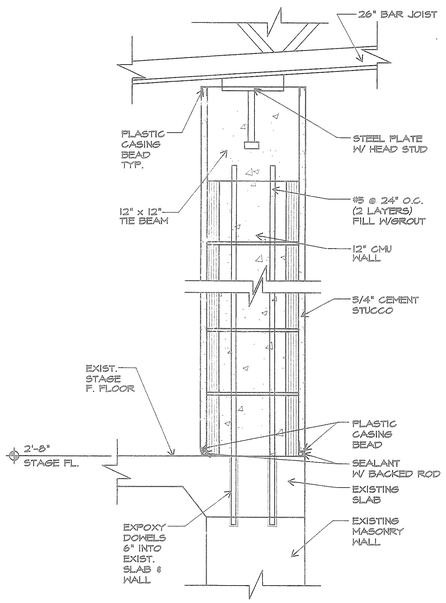
10N ROOF & FASCIA DETAIL

1 1/2" = 1'-0" SEE STRUCT. SECTION 2 & 5/60.01



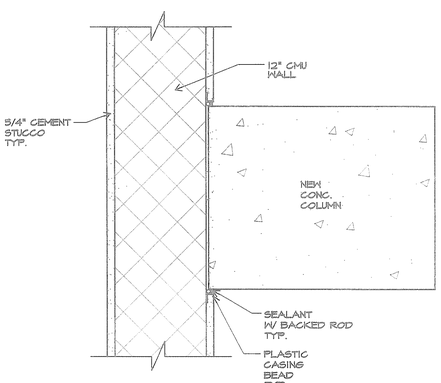
10E PLAN DETAIL FOR 12" CMU WALL

1 1/2" = 1'-0"



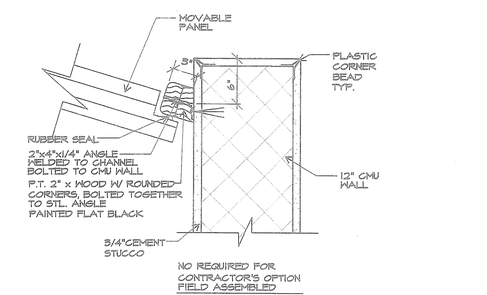
13K SECTION DETAIL FOR 12" CMU WALL

1 1/2" = 1'-0"



14E PLAN DETAIL FOR 12" CMU WALL

1 1/2" = 1'-0"



14P JAMB DETAIL FOR MOVABLE PARTITION

1 1/2" = 1'-0"

ALTERNATE #1 - MANUFACTURED ASSEMBLED UNITS

STRUCTURAL ENG.:
JENKINS & CHARLAND
3559 N.W. 53rd STREET
FT. LAUDERDALE, FL. 33309
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
946A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8836

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 811438
BOCA RATON, FL. 33481
407-487-6898

POMPANO AMPHITHEATER

Pompano Beach, Florida

No.	Date	Item
REVISIONS		

Drawn

Checked

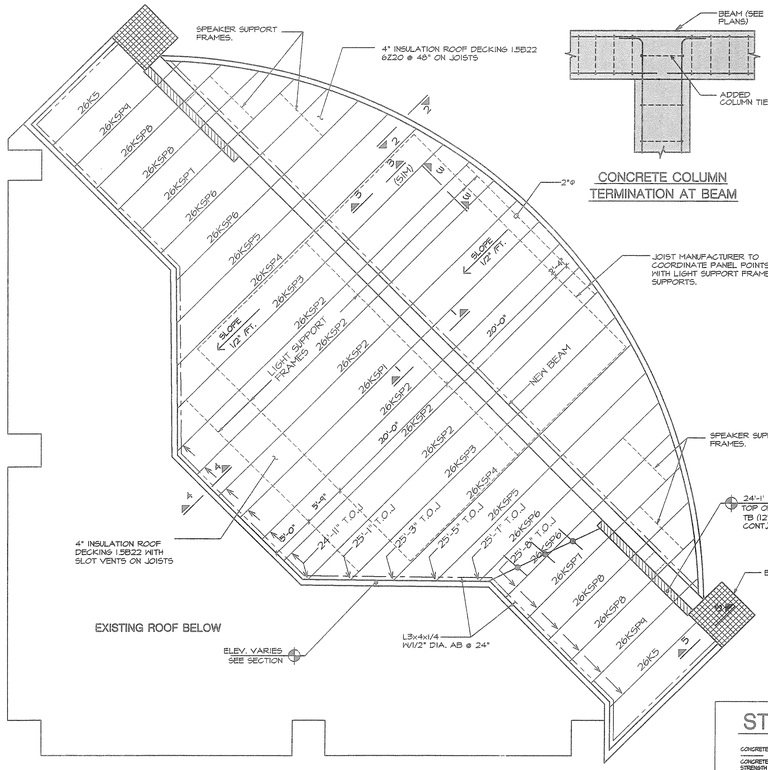
Approved

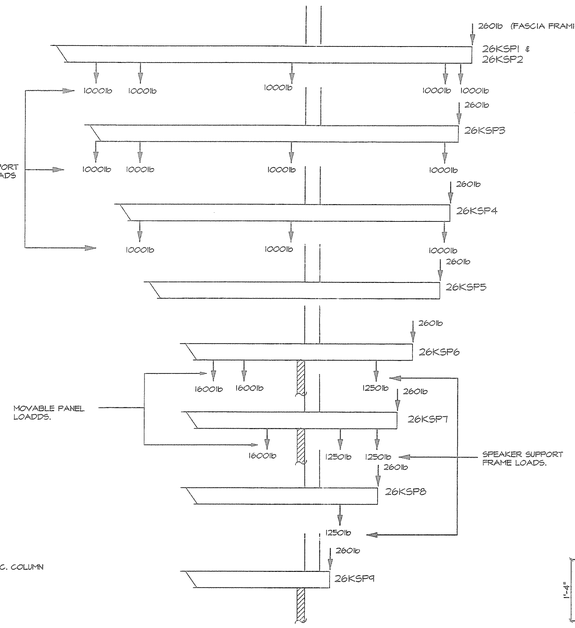
Seal

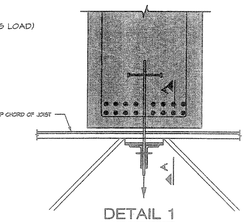
JOHN R. DEBELLO ARCHITECT
Quorum Business Center
838 South Military Trail
Deerfield Beach, Florida 33442
(305) 426-2741
Florida Reg. No. AR 0011635

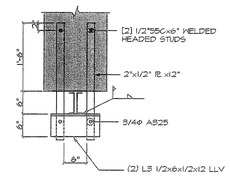
Title: DETAILS

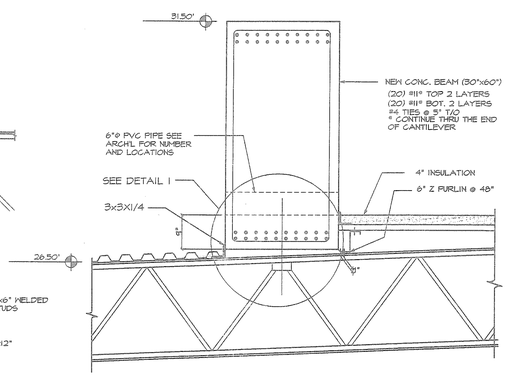
Contr. No.	95117.00	33
Scale	AS NOTED	
Date	07-14-95	01
Last Rev.	10-30-95	

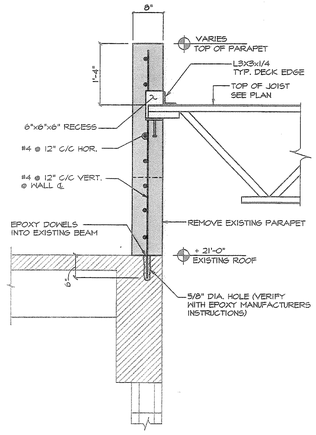


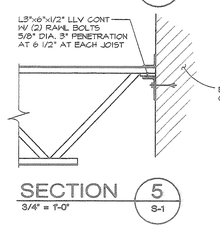


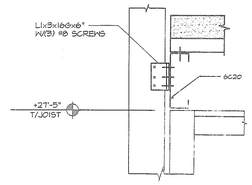


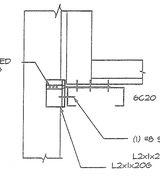


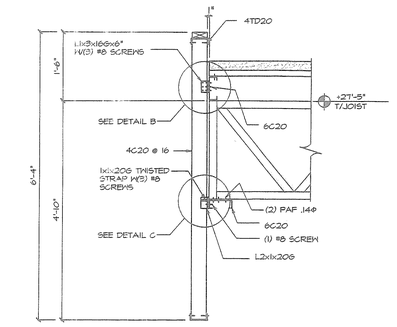


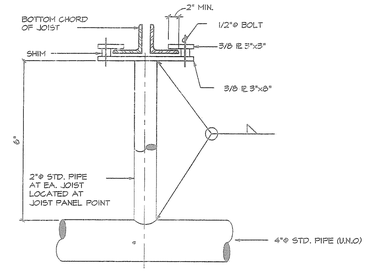


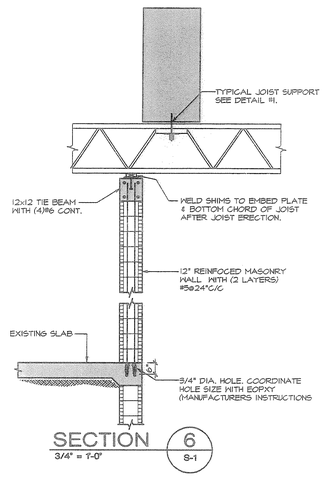


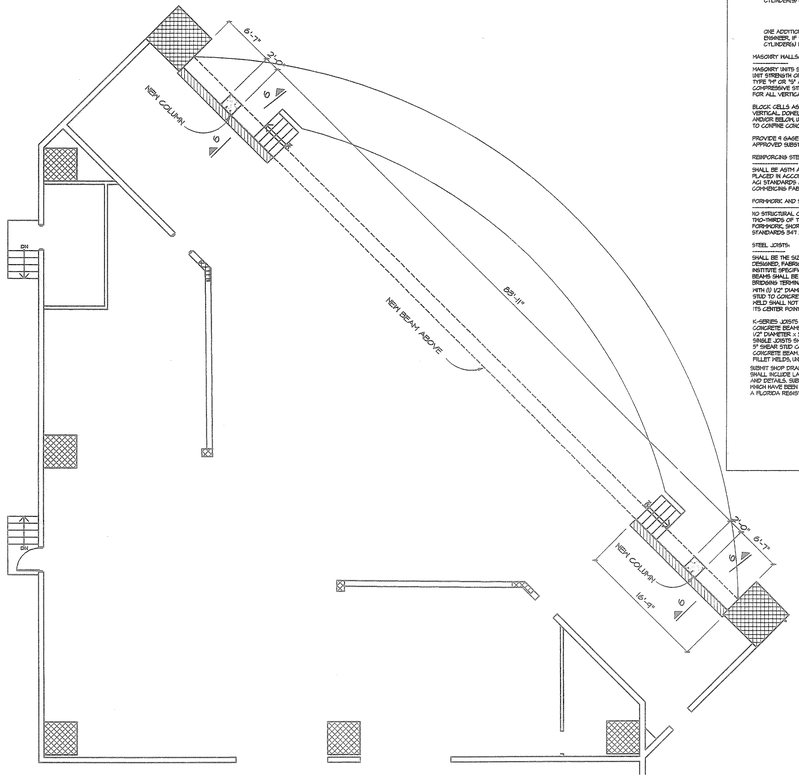












ROOF FRAMING PLAN

1/8" = 1'-0"

CONCRETE COLUMN TERMINATION AT BEAM

JOIST POINT LOADS

SEE PLAN FOR DIMENSIONS

DETAIL 1

SECTION A-A

SECTION 1

3/4" = 1'-0" S-1

SECTION 4

3/4" = 1'-0" S-1

DETAIL B

DETAIL C

SECTION 2

3/4" = 1'-0" S-1

SECTION 5

3/4" = 1'-0" S-1

SECTION 6

3/4" = 1'-0" S-1

SECTION 3

NOT TO SCALE S-1

LIGHT AND SPEAKER SUPPORT FRAME ATTACHMENT

FOUNDATION PLAN

1/8" = 1'-0"

NORTH

OWNER TO VARIFY THAT EXISTING PILE CAP AND PILE GROUP HAS CAPACITY TO SUPPORT ADDITIONAL 218K VERTICAL LOAD (324K FACTORED) NET UPLIFT 9.3K.

NEW COLUMN

STRUCTURAL NOTES

CONCRETE:

CONCRETE SHALL BE PER AN APPROVED MIX DESIGN PROPORTIONED TO ACHIEVE A STRENGTH AT 28 DAYS OF 4,000 PSI (3,000 PSI IN FOUNDATION PILE CAPS) WITH A PLASTIC AND WORKABLE MIX. CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ACI STANDARDS AND SPECIFICATIONS. SUBMIT PROPOSED MIX DESIGN WITH RECENT FIELD CYLINDER OR LAB TESTS FOR REVIEW PRIOR TO USE. MIX SHALL BE UNIQUELY IDENTIFIED BY MIX NUMBER OR OTHER POSITIVE IDENTIFICATION. MIX SHALL MEET THE REQUIREMENT OF ASTM C33 FOR COARSE AGGREGATE.

CONCRETE TESTING:

AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE FOLLOWING TESTS ON CAST IN PLACE CONCRETE:

A) ASTM C143 - "STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT CONCRETE." MAXIMUM SLUMP SHALL BE 6 INCHES.

B) ASTM C39 - "STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS." A SEPARATE TEST SHALL BE CONDUCTED FOR EACH CLASS, FOR EVERY 50 CUBIC YARDS (OR FRACTION THEREOF), PLACED PER DAY. REQUIRED CYLINDER(S) QUANTITIES AND TEST AGE AS FOLLOWS:

1 AT 3 DAYS
1 AT 7 DAYS
2 AT 28 DAYS

ONE ADDITIONAL RESERVE CYLINDER TO BE TESTED UNDER THE DIRECTION OF THE ENGINEER, IF REQUIRED. IF 28 DAY STRENGTH IS ACHIEVED, THE ADDITIONAL CYLINDER(s) MAY BE DISCARDED.

MASONRY WALLS:

MASONRY UNITS SHALL MEET ASTM C-90 FOR HOLLOW LOAD BEARING TYPE MASONRY WITH UNIT STRENGTH OF 1900 PSI ON THE NET AREA (f'm = 1500 PSI). MORTAR SHALL BE TYPE "M" OR "S" AND MEET ASTM C-270. GROUT SHALL BE 2000 PSI MINIMUM COMPRESSIVE STRENGTH AND MEET ASTM C-476. PROVIDE HOOKED DOWELS IN FOOTINGS FOR ALL VERTICAL REINFORCING ABOVE. LAP SPLICES 48 BAR DIAMETERS.

BLOCK CELLS AS SHOWN ON PLANS SHALL BE GROUT FILLED WITH 1#5 REINFORCING BAR VERTICAL DOWELS SHALL BE USED TO PROVIDE CONTINUITY INTO THE STRUCTURE ABOVE AND/OR BELOW, UNLESS NOTED OTHERWISE. USE METAL LATH, MORTAR, OR SPECIAL UNITS TO CONFINE CONCRETE AND GROUT TO AREA REQUIRED.

PROVIDE 4 GAGE GALVANIZED HORIZONTAL JOINT REINFORCING (DUR-O-WALL OR ENGINEER APPROVED SUBSTITUTION) AT ALTERNATE BLOCK COURSES.

REINFORCING STEEL:

SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS. SECURE APPROVAL OF SHOP DRAWINGS PRIOR TO COMMENCING FABRICATION.

FORMWORK AND SHORING:

NO STRUCTURAL CONCRETE SHALL BE STRIPPED UNTIL IT HAS REACHED AT LEAST TWO-THIRDS OF THE 28 DAY DESIGN STRENGTH. DESIGN, ERECTION AND REMOVAL OF ALL FORMWORK, SHORES AND RESHORES SHALL MEET THE REQUIREMENTS SET FORTH IN ACI STANDARDS 347 AND 301.

STEEL JOISTS:

SHALL BE THE SIZE AND SPACING AS SHOWN ON THE STRUCTURAL DRAWINGS AND SHALL BE DESIGNED, FABRICATED, INSTALLED AND BRIDGED IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE SPECIFICATIONS. ENDS OF ALL BRIDGING LINES TERMINATING AT WALLS OR BEAMS SHALL BE ANCHORED THERETO AT TOP AND BOTTOM CHORDS. MINIMUM JOIST BRIDGING TERMINATION CONNECTIONS TO MASONRY SHALL BE L3 x 3 x 1/4 x 3" LONG WITH (1) 1/2" DIAMETER ANCHOR BOLT OR 1/4 x 4 x 4 WITH (1) 1/2" x 5" HEADED STUD TO CONCRETE. BRIDGING SHALL BE WELDED OR BOLTED AT ALL POINTS OF CONTACT. WELD SHALL NOT DAMAGE THE JOIST. CROSS BRIDGING SHALL BE WELDED OR BOLTED AT ITS CENTER POINT.

K-SERIES JOISTS SHALL BEAR A MINIMUM OF 2-1/2" ON STEEL BEAMS AND 4" ON CONCRETE BEAMS. JOIST BEARING PLATES TO BE MINIMUM 3/8" x 4" x 7-1/2" WITH (2) 1/2" DIAMETER x 5" SHEAR STUD CONNECTORS. BEARING PLATES FOR BACK TO BACK SINGLE JOISTS SHALL BE MINIMUM 3/8" x 7-1/2" x 7-1/2" WITH (2) 1/2" DIAMETER x 5" SHEAR STUD CONNECTORS. BEARING PLATES SHALL BE CAST INTEGRALLY WITH THE CONCRETE BEAM. WELD JOISTS TO BEARING PLATES WITH A MINIMUM OF (2) 1/8 x 1" FILLET WELDS, UNLESS NOTED OTHERWISE.

SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWING SUBMITTAL SHALL INCLUDE LAYOUT, COMPONENT DESIGNATION, BRIDGING, AND PERTINENT SECTIONS AND DETAILS. SUBMITTALS FOR JOISTS, OTHER THAN STANDARD SJI CATALOG SELECTIONS WHICH HAVE BEEN CHECKED BY SJI, SHALL BEAR THE SIGNATURE AND IMPRESSED SEAL OF A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

NET UPLIFT DESIGN:

STEEL ROOF JOISTS SHALL BE DESIGNED TO WITHSTAND 55 PSF NET UPLIFT DUE TO WIND. IN ADDITION TO THE STANDARD SJI BOTTOM CHORD BRIDGING, WHICH INCLUDES THE FIRST END PANELS, THE JOIST MANUFACTURER SHALL PROVIDE DESIGN CALCULATIONS FOR UPLIFT, EITHER CONFIRMING THE SJI BRIDGING REQUIREMENT OR PROVIDING A DESIGN ADEQUATE FOR THE UPLIFT. THIS SUBMITTAL SHALL BEAR THE SIGNATURE AND IMPRESSED SEAL OF A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

LIGHT GAUGE STRUCTURAL STEEL:

ROOF DECK:
SHALL HAVE A MINIMUM YIELD STRENGTH OF 50,000 PSI. THE PANELS SHALL BE GALVANIZED WITH 1.25 OUNCES OF COMMERCIAL ZINC COATING. ATTACHMENTS, CLOSURES ETC. SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SUBMIT MANUFACTURERS DATA AND LOAD TABLES FOR REVIEW.

ROOF PURLINS:
SHALL BE COLD FORMED STEEL WITH A MINIMUM YIELD STRENGTH OF 55,000 PSI AS MANUFACTURED BY AMERICAN BUILDINGS OR EQUAL. ATTACHMENTS/HARDWARE SHALL BE AS SHOWN AND/OR IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

METAL STUDS:
STEEL STUDS, LINTELS, AND RUNNER TRACK MEMBERS SHALL BE OF TYPE SHOWN ON THE DRAWINGS AND SPECIFICATIONS CONFORMING TO ASTM A-446 GRADE A (MINIMUM YIELD POINT 33,000 PSI) WITH HOT DIPPED GALVANIZED COATING CONFORMING TO ASTM A525 (CLASS G60). GALVANIZED STEEL RUNNER TRACK SHALL BE FORMED WITH MATERIAL MEETING REQUIREMENTS OF ASTM A-446 GRADE A (MINIMUM YIELD POINT 33,000 PSI) WITH HOT DIPPED GALVANIZED COATING CONFORMING ASTM A-525 (CLASS G-60).

ASSEMBLY:
ALL FRAMING MEMBERS SHALL BE CUT SQUARELY OR AT AN ANGLE AS REQUIRED TO FIT SQUARELY AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY IN PLACE UNTIL PROPERLY JOINED. JOINING OF STRUCTURAL MEMBERS SHALL BE MADE WITH SELF DRILLING SCREWS OR WELDING. WIRE TYING OF FRAMING MEMBERS IN STRUCTURAL APPLICATIONS SHALL NOT BE PERMITTED. ATTACHMENT OF COLLATERAL MATERIALS TO STEEL MEMBERS SHALL BE MADE WITH SELF DRILLING SCREWS OR HARDENED SCREW SHANK NAILS. METAL LATH MAY ALSO BE CONNECTED TO STEEL BY STAPLES OR OTHER FASTENERS, IF APPROVED BY LOCAL BUILDING CODE.

INSTALLATION:
STUDS SHALL SIT SQUARELY IN THE TOP AND BOTTOM RUNNER TRACK WITH FIRM ABUTMENT AGAINST TRACK WEBS. STUDS SHALL BE ALIGNED OR PLUMBED AND SECURELY FASTENED TO THE FLANGES OF BOTH TOP AND BOTTOM RUNNER TRACK.

STRUCTURAL STEEL:

SHALL CONFORM TO ASTM A-36 AND THE "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. ALL SHOP CONNECTIONS TO BE WELDED (UTILIZING E70XX ELECTRODES) AND FIELD CONNECTIONS TO BE BOLTED, UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS. STEEL TO RECEIVE ONE SHOP COAT AND ONE FIELD TOUCH UP COAT OF APPROVED PAINT, EXCEPT WHERE GALVANIZING IS INDICATED ON THE DRAWINGS.

STRUCTURAL TUBING SHALL CONFORM TO ASTM A-500, GRADE B, Fy = 46 KSI.
STRUCTURAL PIPE SHALL CONFORM TO ASTM A-53 GRADE B, TYPE E OR S, Fy = 35 KSI.
TUBE COLUMNS SHALL BE GROUT OR CONCRETE FILLED IN THE SHOP.

ALL BOLTED CONNECTIONS SHALL CONSIST OF MINIMUM 3/4 INCH DIAMETER ASTM A-325 HIGH STRENGTH BOLTS. BEAM CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR FOR THE REACTIONS SHOWN ON THE PLANS. IF NOT SHOWN, THE FABRICATOR SHALL DESIGN THE BEAM CONNECTIONS TO SUPPORT AN END REACTION OF W/2 KIPS FROM THE TABLES IN PART 2 "ALLOWABLE UNIFORM LOADS IN KIPS FOR BEAMS LATERALLY SUPPORTED" OF THE MANUAL OF STEEL CONSTRUCTION (9TH EDITION), BUT CONNECTIONS SHALL NOT HAVE LESS THAN 2 ROWS OF BOLTS. ANCHOR BOLTS SHALL CONFORM TO ASTM A-307 OR A-36 (THREADED ROD).

STEEL ROOF DECK:

SHALL BE 1-1/2" DEEP, 22 GAGE GALVANIZED (G60) RIBBED STEEL ROOF DECK (1R22) AND SHALL CONFORM TO PROVISIONS OF THE STEEL DECK INSTITUTE (SDI) SPECIFICATIONS FOR STEEL ROOF DECK. WELD PATTERN SHALL BE A MINIMUM 36/3 UNLESS NOTED OTHERWISE.

DESIGN LOADS.

NEW ROOF

DL	25 PSF
LL	30 PSF

WIND - ASCE 7-88 110 M.P.H
NET UPLIFT FOR JOIST DESIGN - SEE ABOVE

STRUCTURAL ENG.:
JENKINS & CHARLAND
3559 N.W. 53rd STREET
FT. LAUDERDALE, FL. 33309
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
949A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8636

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 811438
BOCA RATON, FL. 33481
407-487-6898

POMPANO AMPHITHEATER

Pompano Beach, Florida

No.	Date	Item

REVISIONS

Drawn
Checked
Approved
Seal
6/25/96

JENKINS & CHARLAND
INCORPORATED
Consulting Engineers
3559 N.W. 53rd Street
FORT LAUDERDALE, FL 33309
(305) 484-7777

TO THE BEST OF MY KNOWLEDGE AND ABILITY, THE COMPLETED STRUCTURE DEPICTED ON THESE PLANS COMPLIES WITH THE APPLICABLE MINIMUM BUILDING CODES.

FILE No. 95114

AMERICAN CONSULTING ENGINEERS COUNCIL

JOHN R. DEBELLO ARCHITECT
Quorum Business Center
638 South Military Trail
Deerfield Beach, Florida 33442
(305) 426-27[illegible]1
Florida Reg. No. AR 0011635

Title
ROOF PLAN AND DETAILS

Contr. No.	951[illegible]7.00	60
Scale	1/8" = 1'-0"	
Date	9-15-95	01
Last Rev.	10-30-95	

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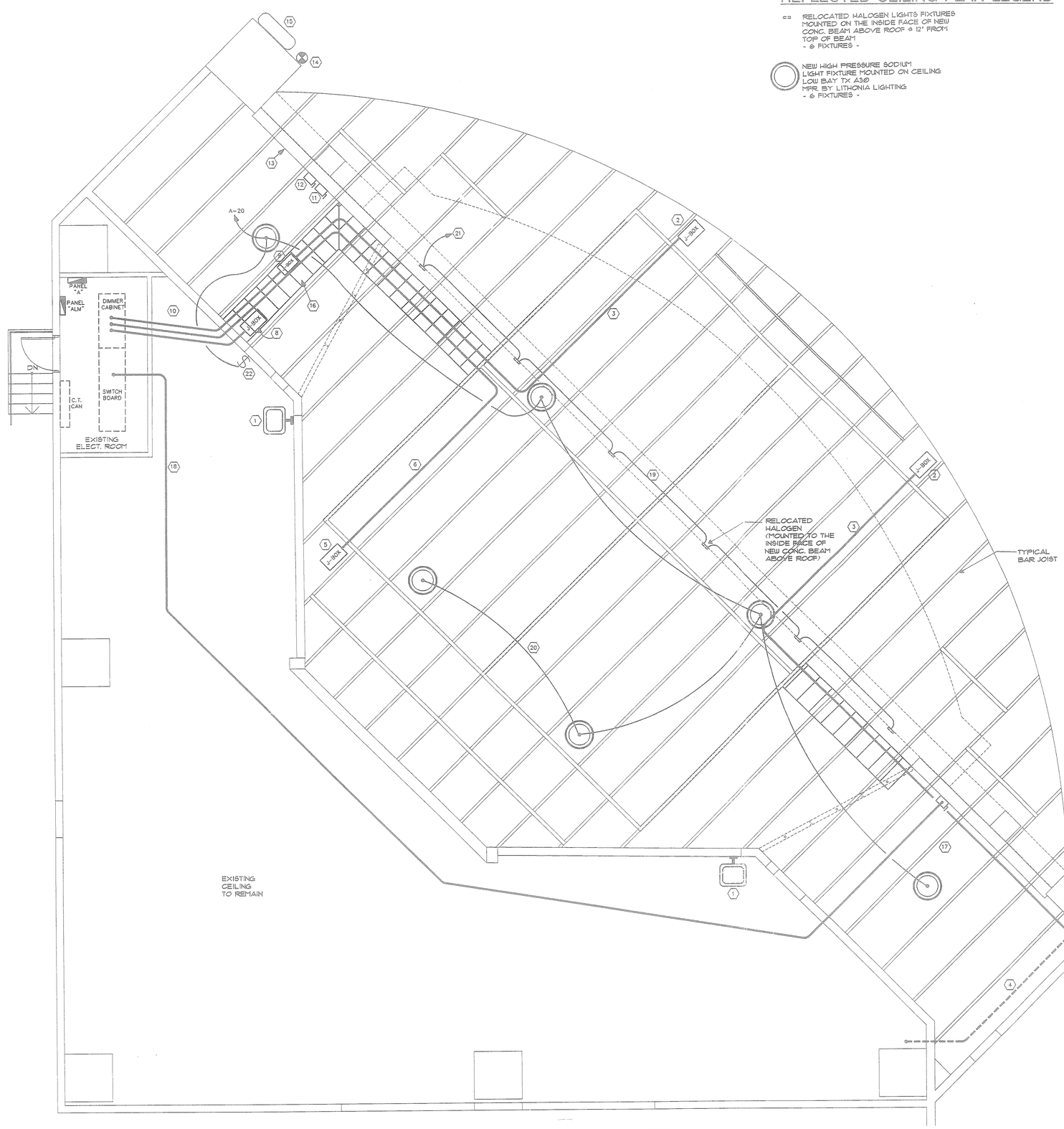


REFLECTED CEILING PLAN LEGEND

== RELOCATED HALOGEN LIGHTS FIXTURES MOUNTED ON THE INSIDE FACE OF NEW CONC. BEAM ABOVE ROOF @ 12' FROM TOP OF BEAM - 6 FIXTURES -

NEW HIGH PRESSURE SODIUM LIGHT FIXTURE MOUNTED ON CEILING LOW BAY TX A30 MFR. BY LITHONIA LIGHTING - 6 FIXTURES -

ELECTRICAL NOTES

8200-042595

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL OWNER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.
2. ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. EXISTING CONDITIONS OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING HIS BID.
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND SHALL COMPLY WITH ALL LOCAL RULES AND ORDINANCES.
4. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.
5. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. EXCLUDING CONTROL WIRING. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER WITH THHN INSULATION.
6. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
7. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
8. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE LATEST EDITION OF THE N.E.C. OR LOCAL CODES.
9. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
10. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
11. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
12. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FROM A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
13. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THERE BY.
14. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
15. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.
16. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
17. ALL ELECTRICAL WORK SHALL CONFORM TO THE NEC AND LOCAL ORDINANCES HAVING JURISDICTION.
18. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, DEVICES, ETC. FOR ALL OUTLETS AS INDICATED.
19. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF NEC, NEMA, AND IECE.
20. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED OF HIS WORK.
22. ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS W/ DIRECTORIES.
23. ALL LIGHT SWITCHES TO BE AT 42" AFF.
24. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL ELECTRICAL WIRING FOR HVAC SYSTEM INCLUDING CONTROLS, THERMOSTATS, POWER, ETC. SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
25. DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE, QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE.

DRAWING NOTES

1. EXISTING UPLIGHT MOUNTED ON ROOF PARAPIT. CONTRACTOR TO RAISE LIGHT TO TOP OF NEW EXTENDED PARAPIT. CONFIRM HEIGHT ON ARCHITECTURAL DRAWINGS.
2. RELOCATED STAGE LIGHT JUNCTION BOX. BOX SERVED EXISTING FRONT (24) LIGHT RACK.
3. EXTENDED 2" CONDUIT WITH UP TO 36 CONDUCTORS FOR LIGHTING, POWER, & CONTROL. CONTRACTOR TO CONFIRM.
4. EXISTING 2" CONDUIT WITH CONDUCTOR FROM DIMMER CABINET IN ELECTRIC ROOM.
5. RELOCATED STAGE LIGHT JUNCTION BOX. BOX SERVED EXISTING (30) LIGHT RACK.
6. EXTEND 2" CONDUIT WITH EXISTING 30 CONDUCTORS FOR LIGHTING & POWER CONTROL.
7. SPARE
8. RELOCATED FUTURE STAGE LIGHT JUNCTION. BOX FROM ABOVE EXISTING ROOF TOP HEIGHT TO BELOW NEW ROOF.
9. RELOCATE EXISTING JUNCTION BOX FROM ABOVE EXISTING ROOF TOP HEIGHT TO BELOW NEW ROOF.
10. RELOCATE EXISTING (3) - 2" CONDUITS BELOW EXISTING ROOF, THRU BACKSTAGE AREA AND ONTO NEW CABLE TRAY.
11. EXISTING 3P 400A/200A FUSIBLE DISCONNECT. CONTRACTOR TO REMOVE AND REINSTALL.
12. EXISTING 3P 400A/400A FUSIBLE DISCONNECT. CONTRACTOR TO REMOVE AND REINSTALL.
13. EXISTING WALL TO BE REMOVED. SEE SHEET 90.02 FOR ELEVATION.
14. EXISTING EXIT SIGN, SEE SHEET 90.02 ELEVATION FOR POWER REWIRING.
15. EXISTING SIGN, SEE SHEET 90.02 ELEVATIONS FOR POWER REWIRING.
16. NEW CABLE TRAY - 3' WIDE.
17. ADD ALTERNATE NEW 3P 200A/200A FUSIBLE DISCONNECT. NEMA 3R, SEIMENS, OR EQUAL.
18. ADD ALTERNATE NEW 2-1/2" CONDUIT WITH (4) - 3/0 THWN CU. CONDUCTORS & (1) - #8 CU. GROUND.
19. TYPICAL NEW 1/2" CONDUIT WITH (3) - #12 THWN CU. CONDUCTORS TO REWIRE EXISTING HALOGEN LIGHTS.
20. TYPICAL NEW 1/2" CONDUIT WITH (3) - #10 THWN CU. CONDUCTORS FOR NEW HIGH PRESSURE SODIUM LIGHTS.
21. TIE BACK INTO EXISTING CIRCUIT AND SWITCH.
22. NEW SWITCH FOR HIGH PRESSURE SODIUM LIGHTS.

ELECTRICAL PLAN

1/4" = 1' - 0" NORTH

R.A. KAMM & ASSOC. JOB #95312

R.A. KAMM & ASSOCIATES, INC. SEAL
CONSULTING ENGINEERS
949A CLINT MOORE ROAD
BOCA RATON, FL 33487
(407) 995-8636
FLORIDA LICENSE #44004
DATE: 9/29/95

STRUCTURAL ENG.:
JENKINS & CHARLAND
3559 N.W. 53rd STREET
FT. LAUDERDALE, FL. 33309
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
949A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8636

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 811438
BOCA RATON, FL. 33481
407-487-6898

POMPANO AMPHITHEATER

Pompano Beach, Florida

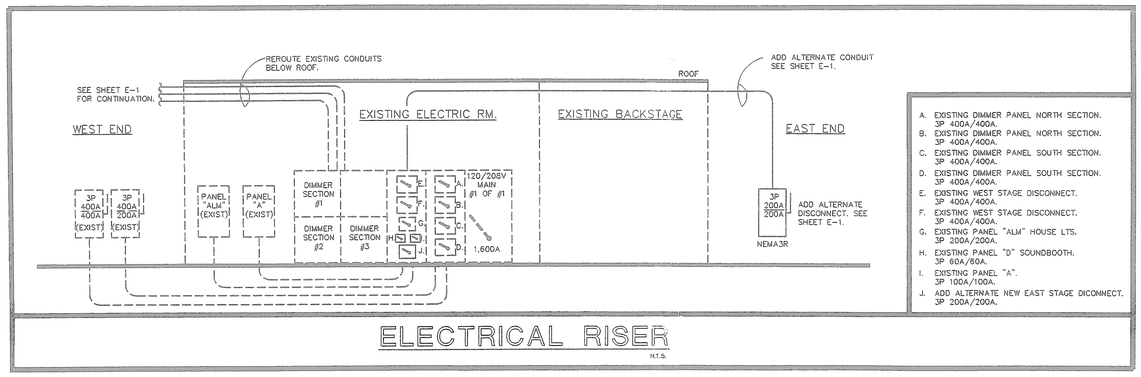
No.	Date	Item
REVISIONS		

Drawn	B.B.
Checked	B.B.
Approved	RAK
Seal	

JOHN R. DEBELLO ARCHITECT
Quorum Business Center
838 South Military Trail
Deerfield Beach, Florida 33442
(305) 426-2741
Florida Reg. No. AR 0011635

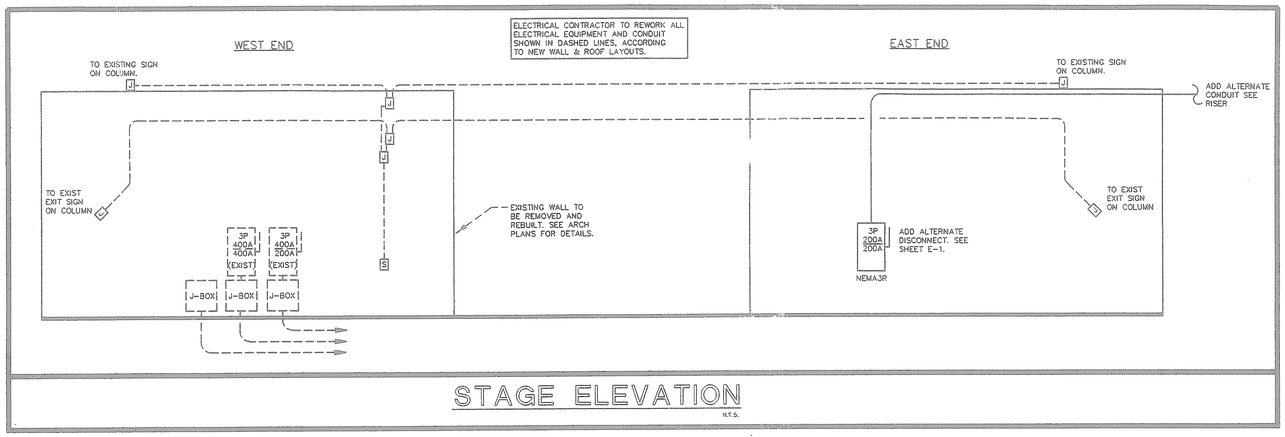
Title: ELECTRICAL PLAN

Contr. No.	95117.00	90
Scale	1/4" = 1" - 0"	
Date	09-15-95	01
Last Rev.	10-30-95	



ELECTRICAL RISER

N.T.S.



STAGE ELEVATION

N.T.S.

STRUCTURAL ENG.:
JENKINS & CHARLAND
3559 N.W. 53rd STREET
FT. LAUDERDALE, FL. 33309
305-484-7777

MEP CONSULTANTS :
R.A. KAMM & ASSOCIATES, INC.
949A CLINT MOORE ROAD
BOCA RATON, FL. 33487
407-995-8636

ACOUSTICAL ENG. :
DUNN & ASSOCIATES
P.B. BOX 811438
BOCA RATON, FL. 33481
407-487-6898

POMPANO AMPHITHEATER

Pompano Beach, Florida

No.	Date	Item

REVISIONS

Drawn: B.B.
Checked: B.B.
Approved: RAK
Seal

JOHN R. DEBELLO ARCHITECT
Quorum Business Center
838 South Military Trail
Deerfield Beach, Florida 33442
(305) 426-2741
Florida Reg. No. AR 0011635

Title: SCHEDULES & RISERS

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Date	09-15-95	02
Last Rev.	10-30-95	

R.A. KAMM & ASSOC. JOB #95312

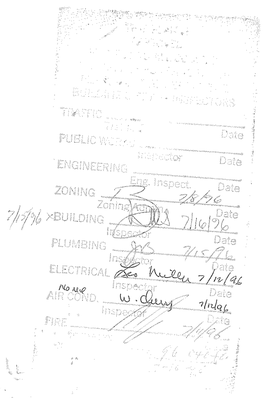
R.A. KAMM & ASSOCIATES, INC.
CONSULTING ENGINEERS
949A CLINT MOORE ROAD
BOCA RATON, FL 33487
(407) 995-8636
FLORIDA LICENSE #44004

SIGNAL

DATE: 12/4/95

1994 Add

[redacted] 96-04048



NUMBER OF CHAIRS
S = 1 CHAIR UNIT
D = 2 CHAIR UNIT
T = 3 CHAIR UNIT

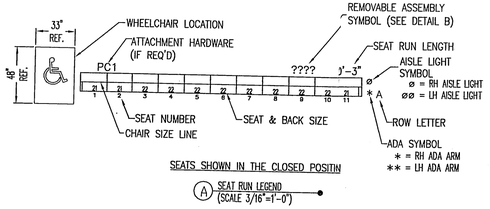
????

CHAIR SIZE
18 = ALL 18"
19 = ALL 19"
20 = ALL 20"
21 = ALL 21"
22 = ALL 22"

NOT AVAILABLE FOR CASTER REMOVABLE ASSEMBLIES.
A1 = 2 CHAIR 19–18
A2 = 2 CHAIR 20–19
C1 = 3 CHAIR 18–19–18
C2 = 3 CHAIR 18–19–19
C3 = 3 CHAIR 19–18–19

C = CASTER REMOVABLE ASSEMBLY (IF APPLICABLE)

(B) CHART FOR REMOVABLE ASSEMBLY SYMBOL



SEATS SHOWN IN THE CLOSED POSITIN

(A) SEAT RUN LEGEND (SCALE 3/16"=1'-0")

CHAIR SUMMARY
STYLE NO. 507 STADIUM CHAIRS
1323 – 19" CHAIRS
1492 – 20" CHAIRS
2815 TOTAL CHAIRS

NOTES:
SPECIFY DESIRED LOCATION OF (28) A.D.A. ENDS
SPECIFY DESIRED LOCATION OF (6) 2-CHAIR REMOVABLE SECTIONS
SPECIFY DESIRED NUMBER/LETTERING SCHEME

CONCRETE OR PRECAST REQUIREMENTS:
1. FLOOR AT LEAST 3" THICK AND FREE OF REINFORCING RODS OR ANY OTHER OBSTRUCTIONS IN THE TOP 1 1/2". RISER FACE AT LEAST 4" THICK AND FREE OF REINFORCING RODS OR OTHER OBSTRUCTIONS FOR 2 1/2" FROM THE RISER FACE.

2. CONCRETE OR PRECAST SHALL BE:
NORMAL WEIGHT FLOOR MOUNT 3,000 P.S.I.
LIGHT WEIGHT FLOOR MOUNT 5,000 P.S.I.
NORMAL WEIGHT RISER MOUNT 4,000 P.S.I.

3. ALL JOINTS, HORIZONTAL AND VERTICAL, TO BE FLUSH.

4. ALL MOUNTING SURFACES MUST BE PLUMB ± 1/8.

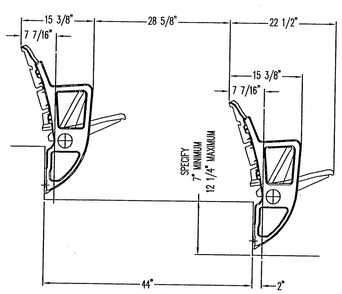
END ALLOWANCE:
1 1/2" FOR REGULAR ENDS.

THIS PLAN IS BASED ON: ARCHITECTURAL DRAWING(S)

AMERICAN SEATING COMPANY DOES NOT ASSUME RESPONSIBILITY FOR COMPLIANCE WITH ANY BUILDING CODES. VERIFICATION OF COMPLIANCE WITH LOCAL CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE OWNER AND/OR ARCHITECT OR OTHER REPRESENTATIVE.

AFTER RECEIPT OF FIELD VERIFICATION AND APPROVED DRAWINGS, AMERICAN SEATING COMPANY WILL MANUFACTURE THE SEATING ACCORDINGLY. NOTIFICATION MUST BE MADE IMMEDIATELY TO AMERICAN SEATING COMPANY IF THERE ARE ANY CHANGES IN BUILDING DIMENSIONS OR THE SEATING LAYOUT. SEAT SIZE AND QUANTITY MAY CHANGE BASED ON ACTUAL FIELD CONDITIONS AT THE TIME OF INSTALLATION.

SIGNED/DATED:



507E STADIUM CHAIR WITH 540 LOW RISER STANDARD
(SCALE 3/4"=1'-0")

PRELIMINARY PLAN
NOT FOR CONSTRUCTION

CITY OF POMPANO BEACH
POMPANO BEACH, FL

AMPHITHEATER
SEATING PLAN

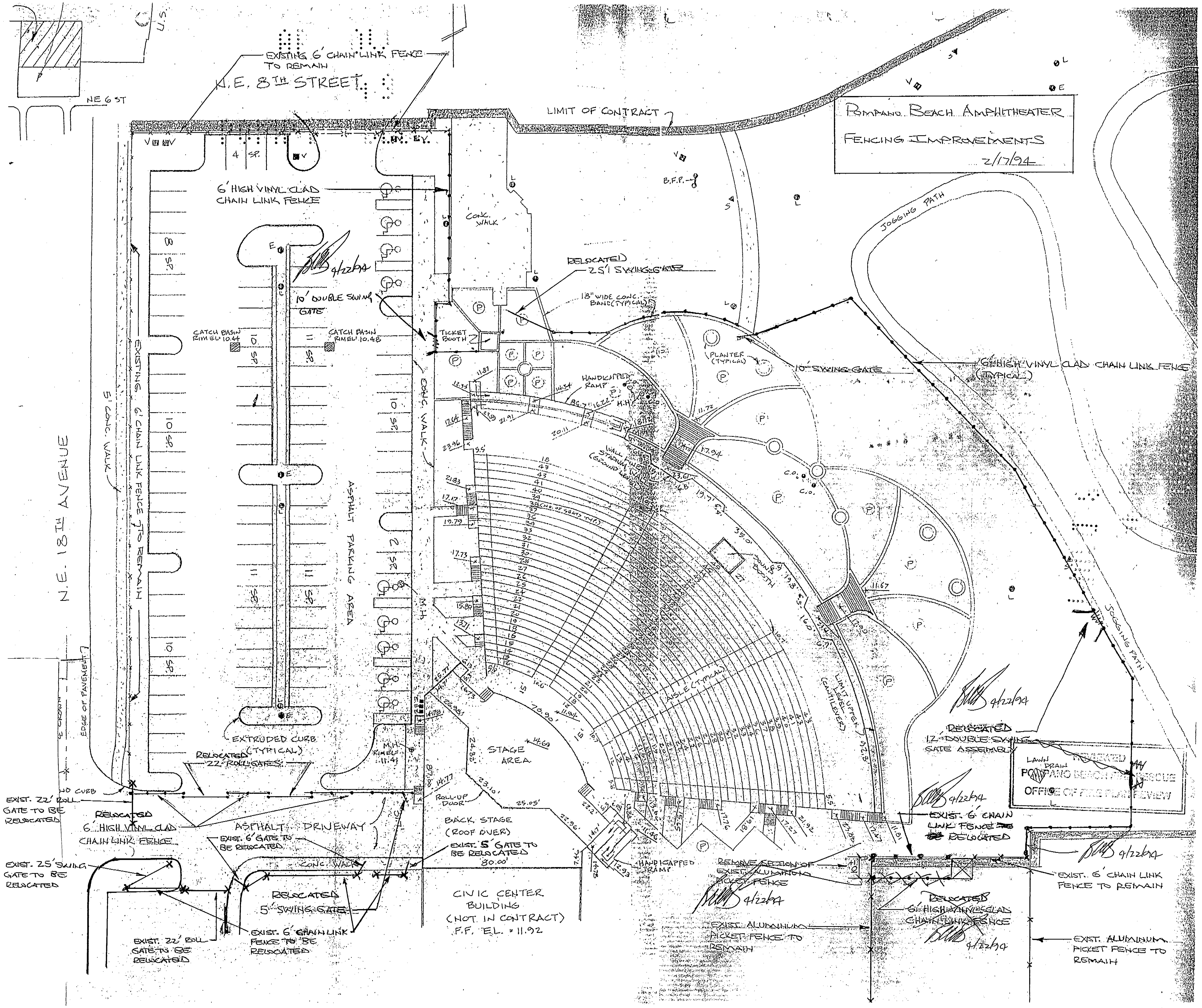
DATE: 06/15/05
SCALE: 1/8"=1'-0"
DRAWN BY: SRM
APPROVED BY:
DRAWING STATUS:
PRELIMINARY

AMERICANSEATING
Architectural Products Group
Grand Rapids MI 49504

PROJECT/ORDER NO.

DRAWING NO.
53689P01

REVISION



POMPANO BEACH AMPHITHEATER
FENCING IMPROVEMENTS
2/17/94
N.E. 8TH STREET
NE 6 ST
EXISTING 6' CHAIN LINK FENCE TO REMAIN
LIMIT OF CONTRACT
6' HIGH VINYL CLAD CHAIN LINK FENCE
CONC. WALK
RELOCATED 25' SWING GATE
18" WIDE CONC. BAND (TYPICAL)
10' DOUBLE SWING GATE
TICKET BOOTH
CATCH BASIN RIM EL. 10.44
CATCH BASIN RIM EL. 10.48
HANDICAPPED RAMP
PLANTER (TYPICAL)
10' SWING GATE
6' HIGH VINYL CLAD CHAIN LINK FENCE (TYPICAL)
JOGGING PATH
N.E. 18TH AVENUE
5' CONC. WALK
EXISTING 6' CHAIN LINK FENCE TO REMAIN
ASPHALT PARKING AREA
SOUND BOOTH
AISLE (TYPICAL)
LIMIT UPPER LEVEL (CANTILEVER)
STAGE AREA
EXTRUDED CURB (TYPICAL)
RELOCATED 22' ROLL GATES
M.H. RIM EL. 11.41
EDGE OF PAVEMENT
NO CURB
RELOCATED 12' DOUBLE SWING GATE ASSEMBLY
REVIEWED POMPANO BEACH FIRE RESCUE OFFICE OF FIRE PLAN REVIEW
EXIST. 22' ROLL GATE TO BE RELOCATED
RELOCATED 6' HIGH VINYL CLAD CHAIN LINK FENCE
ASPHALT DRIVEWAY
EXIST. 6' GATE TO BE RELOCATED
ROLL-UP DOOR
BACK STAGE (ROOF OVER)
EXIST. 5' GATE TO BE RELOCATED 80.00'
EXIST. 6' CHAIN LINK FENCE TO BE RELOCATED
EXIST. 25' SWING GATE TO BE RELOCATED
RELOCATED 5' SWING GATE
CIVIC CENTER BUILDING (NOT IN CONTRACT) F.F. EL. = 11.92
HANDICAPPED RAMP
REMOVE SECTION OF EXIST. ALUMINUM PICKET FENCE
EXIST. 6' CHAIN LINK FENCE TO REMAIN
RELOCATED 6' HIGH VINYL CLAD CHAIN LINK FENCE
EXIST. ALUMINUM PICKET FENCE TO REMAIN
EXIST. 6' CHAIN LINK FENCE TO BE RELOCATED
EXIST. 22' ROLL GATE TO BE RELOCATED
EXIST. ALUMINUM PICKET FENCE TO REMAIN
4/22/94

SEE SHEET D-2

EXISTING SWIMMING POOL

EXISTING TENNIS PRO SHOP

N.I.C.

NORTH
SCALE: 1"=30'

ALTERNATE #1
REMOVE EXISTING FENCE AND REPLACE WITH NEW FENCE AROUND POOL AREA. CONTRACTOR SHALL INSURE THE SECURITY OF THE POOL AREA AND SAFETY OF PUBLIC DURING THIS OPERATION.

REMOVE EXIST. BATHROOM AND ELEC. ROOM

PROP. PARKING AREA

REMOVE EXISTING FENCE AND REPLACE WITH NEW FENCE AND GATE. CONTRACTOR SHALL INSURE THE SECURITY OF THE TENNIS COURTS AND SAFETY OF PUBLIC DURING THIS OPERATION.

EXIST. UTILITY POLE TO REMAIN (TYP.)

REMOVE EXIST. FENCE

EXIST. GUARDRAIL TO REMAIN

SAW CUT ASPHALT

S 86°50'57"W 1040.99

LIMIT OF CONTRACT

LIMIT OF CONTRACT

IMPROVEMENTS IN THIS AREA ARE PROPOSED AND SUBJECT TO CHANGE

MFG. HOME TO BE REMOVED BY OTHERS

NOTE:
REMOVE ALL HAZARDOUS MATERIALS MEETING ALL LOCAL, STATE AND FEDERAL REGULATIONS

REMOVE STRUCTURE & CONC. SLABS

LEGEND

- REMOVE ASPHALT SCARIFY, ROCK & REBUILD
- ASPHALT OVERLAY
- REMOVE ASPHALT AND ROCK
- NEW ROAD/ PARKING LOT

DELETED

PROPOSED CONC. WALK

PROP. AGGREGATE JOGGING PATH

PART OF THIS CONTRACT

NOT A PART OF THIS CONTRACT

EXISTING TREE (TYP.)

PROPOSED AMPHITHEATER

ROOF OVER SEATING DELETED

NOTE:
TREES SHOWN IN THIS AREA ARE TO REMAIN.

RELOCATE THESE TREES AS NECESARY TO AREA ALONG WEST ℄ COORDINATE W/ LANDSCAPE ARCHITECT

S 88°42'15"W 537.20

RETAINING WALL SHALL BE PROTECTED DURING CONSTRUCTION

R= 5772.65
L= 6.33' Δ=00°03'46"

S 06°50'58"W 150.39

10.00

R/W LINE

SAW CUT ASPHALT

FEDERAL HIGHWAY

EXISTING CIVIC CENTER
NOT IN CONTRACT

NOTES:
1. SEE SHEET D-8 FOR TREE KEY AND PROTECTION DETAILS.
2. ANY AND ALL MATERIALS THAT MAY BE SALVAGABLE FOR FUTURE USE BY THE CITY SHALL BE SALVAGED AND DELIVERED TO THE CITY AT A LOCATION SELECTED BY THE CITY.

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINEERS
PLANNERS
SURVEYORS
6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS
POMPANO CIVIC CENTER
AMPHITHEATER

NO.	DATE	DESCRIPTION
1	3-23-92	CO #1

REVISIONS

MICHAEL R. FAWLEY, P.E.
FLORIDA REG. NO. 31062
(FOR THE FIRM)

PROJECT NO. 12469

DATE OCT. 28, 1991

DRAWN	CHECKED	ISSUED
F.M.	C.O.B.	

SHEET TITLE
DEMOLITION PLAN
AMPHITHEATER

SHEET D-1

02/20/91 2469CDP03.DGN
fm584

PLUMBING FIXTURE SPECIFICATIONS

WATER CLOSET
Shall be an AMERICAN STANDARD model MADERA 2221.018 elongated water saver vitreous china toilet, elongated siphon jet action bowl, and a SLOAN ROYAL 110-3 flush valve and a CHURCH 5321.112 seat.

WATER CLOSET (Handicapped)
Shall be an AMERICAN STANDARD model CADET 9468.018 elongated water saver vitreous china toilet, siphon jet action bowl, SLOAN ROYAL 110-3 flush valve and a CHURCH 5330.063 seat.

URINAL (UR)
Shall be an AMERICAN STANDARD model LYNBROOK 6530-018 wall hung vitrious china blowout with top spud & SLOAN ROYAL 180 flush valve.

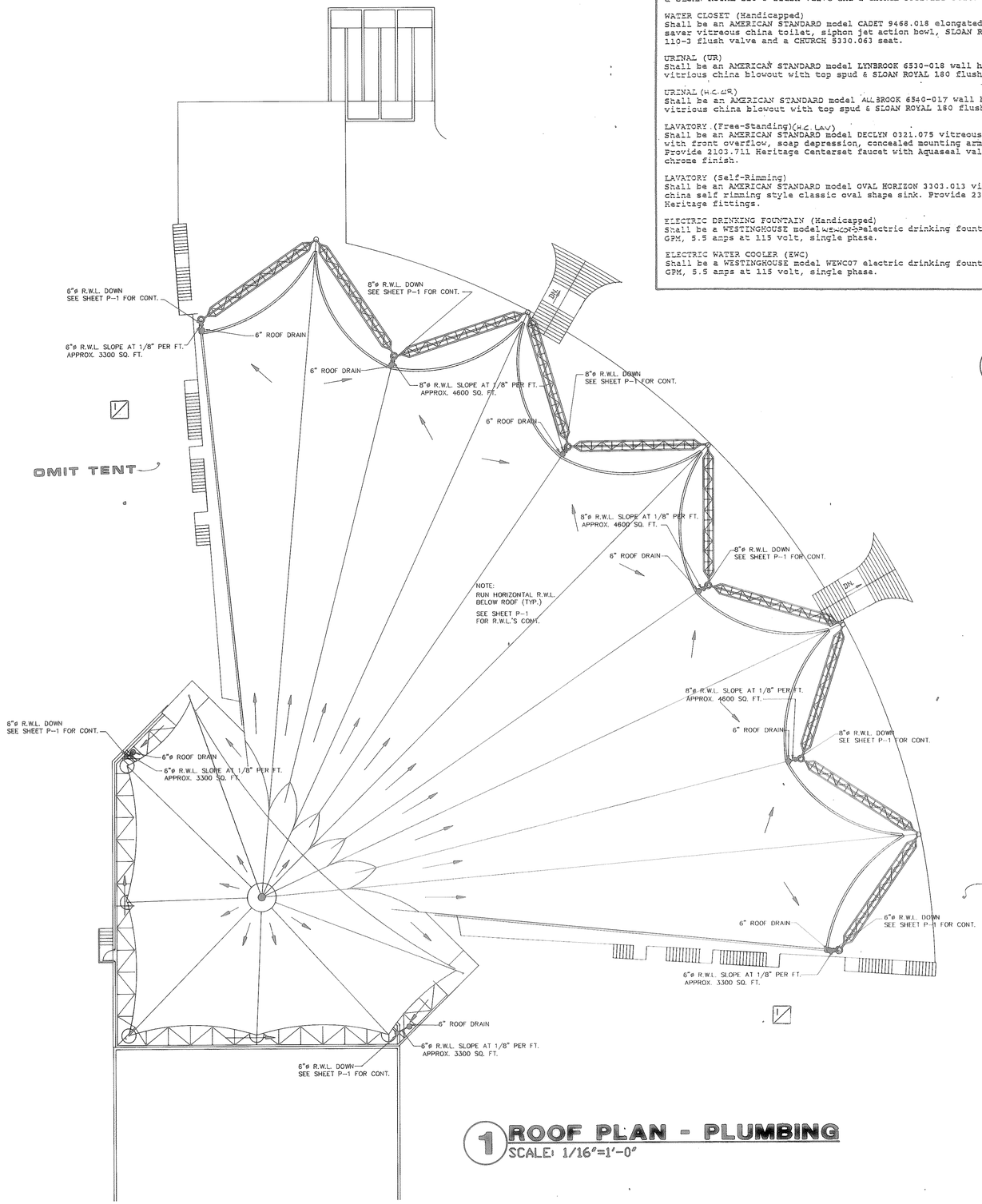
URINAL (H.C.UR)
Shall be an AMERICAN STANDARD model ALLBROOK 6540-017 wall hung vitrious china blowout with top spud & SLOAN ROYAL 180 flush valve.

LAVATORY (Free-Standing)(H.C.LAV)
Shall be an AMERICAN STANDARD model DECLYN 0321.075 vitreous china with front overflow, soap depression, concealed mounting arms. Provide 2103.711 Heritage Centerset faucet with Aquaseal valves and chrome finish.

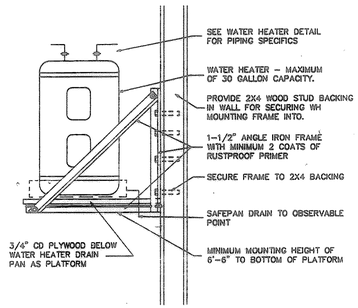
LAVATORY (Self-Rimming)
Shall be an AMERICAN STANDARD model OVAL HORIZON 3303.013 vitreous china self rimming style classic oval shape sink. Provide 2350.057 Heritage fittings.

ELECTRIC DRINKING FOUNTAIN (Handicapped)
Shall be a WESTINGHOUSE model WEWC07 electric drinking fountain 8.0 GPM, 5.5 amps at 115 volt, single phase.

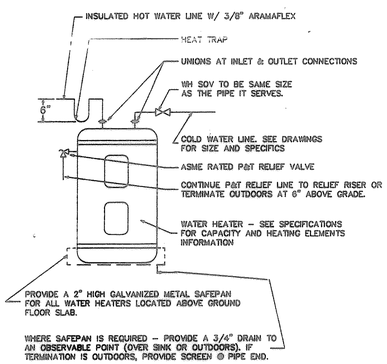
ELECTRIC WATER COOLER (EWC)
Shall be a WESTINGHOUSE model WEWC07 electric drinking fountain 7.0 GPM, 5.5 amps at 115 volt, single phase.



1 ROOF PLAN - PLUMBING
SCALE: 1/16"=1'-0"



2 WATER HEATER MOUNTING DETAIL
NO SCALE



3 WATER HEATER DETAIL
NO SCALE

Note:
RAIN WATER LEADERS FROM ENDS OF TRUSS ARE NOT SHOWN AND MUST BE ADDED. REFER TO SHEET A-3.

TCA JOB# 9074

"TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS SUBMITTED HEREWITH COMPLY WITH EXISTING INTERPRETATIONS AND PROVISIONS OF THE APPLICABLE BUILDING CODES. NO WARRANTY EXPRESS OR IMPLIED IS HEREBY GIVEN".

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINEERS
PLANNERS
SURVEYORS
6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

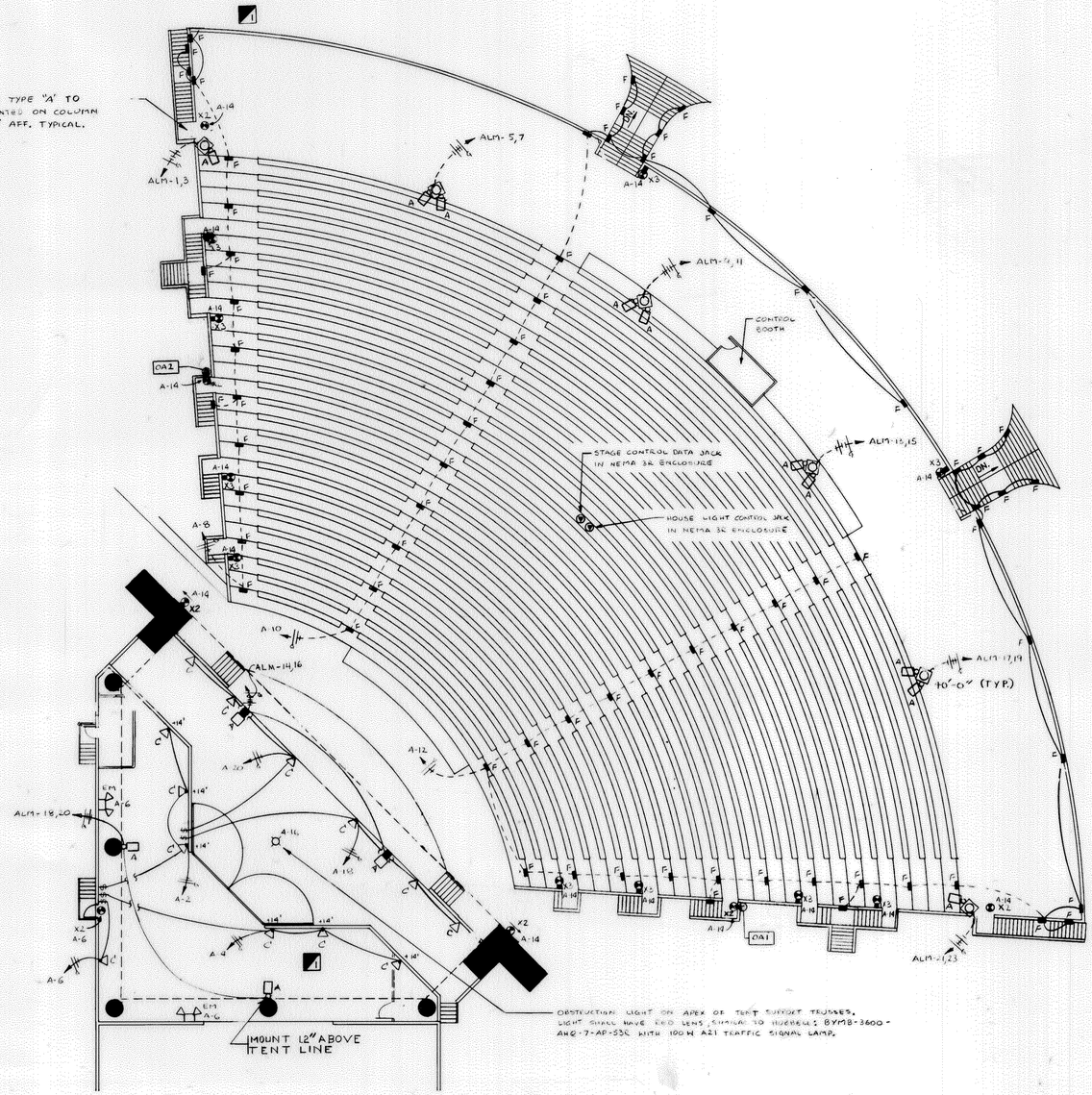
CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS
POMPANO COMMUNITY PARK
AMPHITHEATER - STRUCTURE

NO.	DATE	DESCRIPTION
1	4-03-12	REVISED PER RFI

REVISIONS

PROJECT NO. 12469
DATE APRIL 29, 1991
DRAWN CAD | CHECKED ADE/TWC | ISSUED
SHEET TITLE: ROOF PLAN - PLUMBING & DETAILS
SHEET P-2

11-19-90

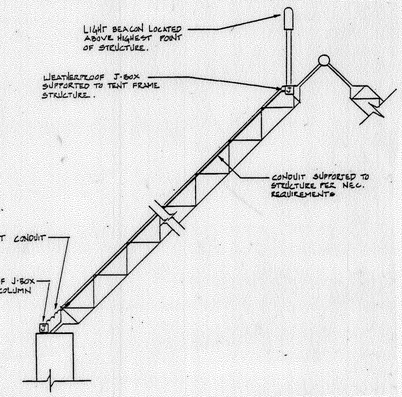


1 UPPER FLOOR PLAN - LIGHTING
SCALE: 1/16"=1'-0"

LIGHTING FIXTURE SCHEDULE (AMPHITHEATER)

DES.	TYPE	FINISH	LENS	VOLT	LAMP	MANUFACTURER & CATALOG NO.	REMARKS
A	UPLIGHTS HID		TEMPERED GLASS	208	(1) 1500W MH		SEE NOTE #1
B	WALL MTD HID		TEMPERED GLASS	208	(1) 250 W MH	AAL: AL5178A-250 MH-4C-F	SEE NOTE #2 WALL MTD. 10'-6" AFF
C	INC. FLOODLIGHT	ALUMINUM	TEMPERED GLASS	120	(1) 500 W QTZ	HUBBEL: 505	
D	WALL MTD HID		TEMPERED GLASS	208	(1) 175 W MH	GENLR-1171M-208-AI-E IN4DB	SEE NOTE #2 WALL MTD. 10'-6" AFF
F	FLUORESCENT STEP LIGHT		TEMPERED GLASS	120	(2) 8WTS	COLE: F21566-F	
G	PARKING LOT LIGHT	BLACK	GLOB TOP	208	(1) 175 W MH	MOLDCAST: 37919-208-BLP-TH	MOUNTED ON 10FT. ROUND ALUMINUM POLE
H	4 FT. STRIP	WHITE		120	(2) F40 CW	HUBBEL: SW42R-EI-4A	
J	SURFACE CYLINDER	WHITE	CLEAR ALZAK	120	(1) 75 WR30	MARCO: C145-6C-P	
K	RECESSED 2'x4'	WHITE	PRISMATIC	120	(4) F40 CW	HUBBEL: RD4FNB10-EI-4B	
X3	EXIT SIGN		RED LETTERS	120	INCLUDED	AAL: ALE-9SA-ROW-BC	SELF-CONTAINED BATT.
EM	EMERGENCY LIGHT	BEIGE	INCLUDED	120	INCLUDED	HUBBEL: EEL	SELF-CONTAINED BATT.
X1	UNIVERSAL EXIT SIGN	WHITE	RED LETTERS	120	INCLUDED	HUBBEL: EUFRW	SELF-CONTAINED BATT.
X2	EXIT SIGN	ALUMINUM	RED LETTERS	120	INCLUDED	COLE: T29B-RED-120-EM-W	SELF-CONTAINED BATT.

SCHEDULE NOTES:
1. SEE H.I.D HOUSE LIGHTING SPECIFICATIONS ON SHEET E-20 FOR FIXTURE MFR.. ARCHITECT SELECTS FINISH COLOR..
2. LOUVERS ON FIXTURE SHALL BE SET AT 75°
3. ALL H.I.D. AND FLUORESCENT FIXTURES SHALL BE FUSED AT THE FIXTURE PER MFR. RECOMMENDATIONS.
4. ALL FIXTURES WITH H.I.D. BALLAST SHALL BE FURNISHED WITH ULTRA-QUIET BALLAST.



2 LIGHT BEACON MOUNTING DETAIL
NO SCALE

TCA JOB # 9074

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TODD W. CAREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
TELEPHONE: (305) 581-2774 FAX: (305) 581-2778
1913 N.E. 38th STREET, FT. LAUDERDALE, FLORIDA 33305

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINEERS
PLANNERS
SURVEYORS
6500 NORTH ANDREWS AVENUE
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ZIP CODE: 33309-2132
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ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

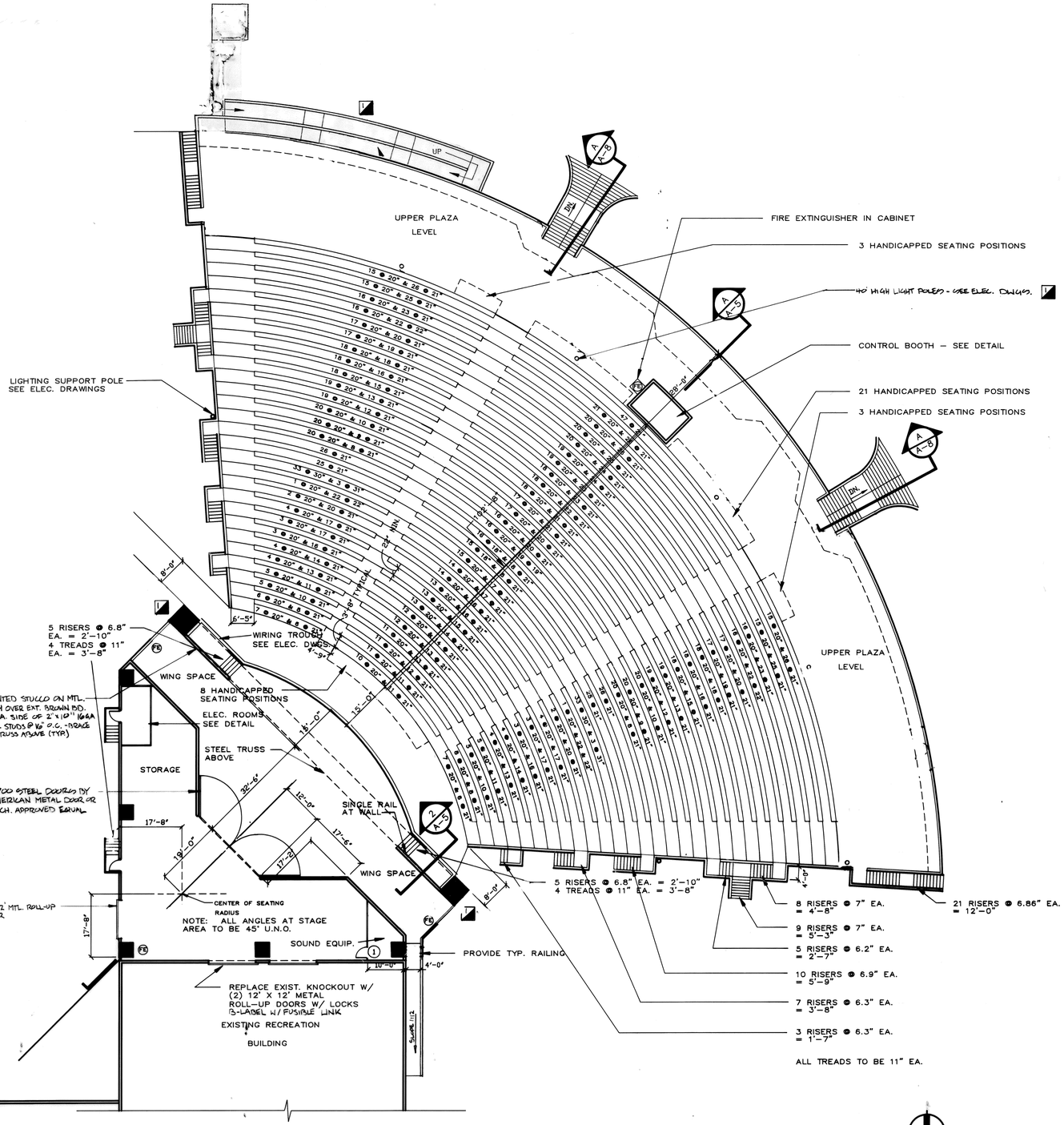
ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS
POMPANO COMMUNITY PARK
AMPHITHEATER - STRUCTURE

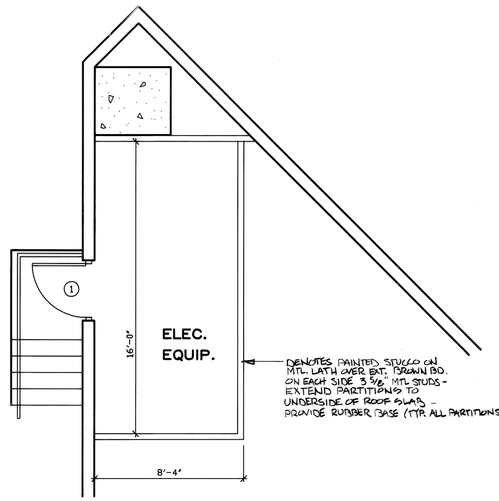
NO.	DATE	DESCRIPTION
1	04.02.92	REVISED PER COI

REVISIONS

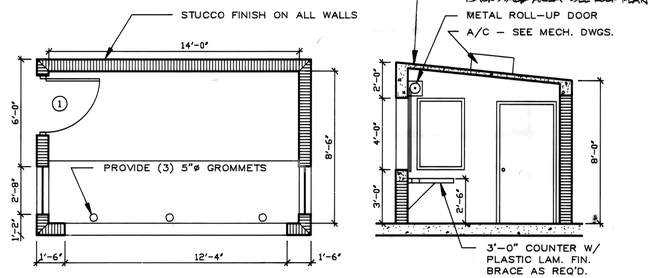
PROJECT NO. 12469
DATE OCT. 28, 1991
DRAWN | CHECKED | ISSUED
SHEET TITLE: AMPHITHEATER UPPER FLOOR PLAN LIGHTING
SHEET E-3



SEATING RISER FLOOR PLAN
1/16" = 1'-0"



ELEC. ROOM PLAN
1/4" = 1'-0"



CONTROL BOOTH PLAN
1/4" = 1'-0"

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CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS
POMPANO COMMUNITY PARK AMPHITHEATER

NO.	DATE	DESCRIPTION
1	3-23-92	CHANGE ORDER #1

REVISIONS

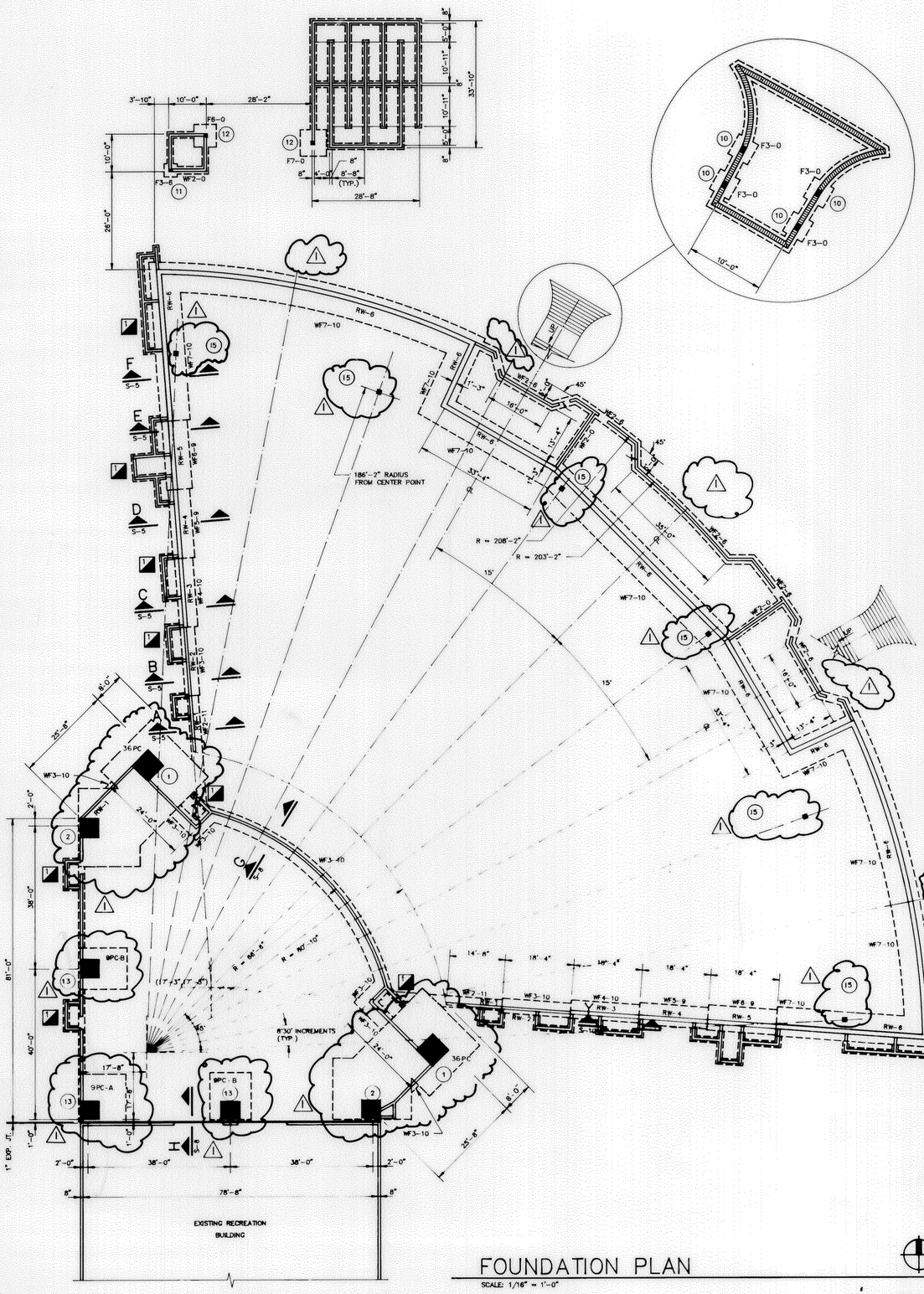
PROJECT NO. 12469

DATE OCT. 28, 1991

DRAWN | CHECKED | ISSUED

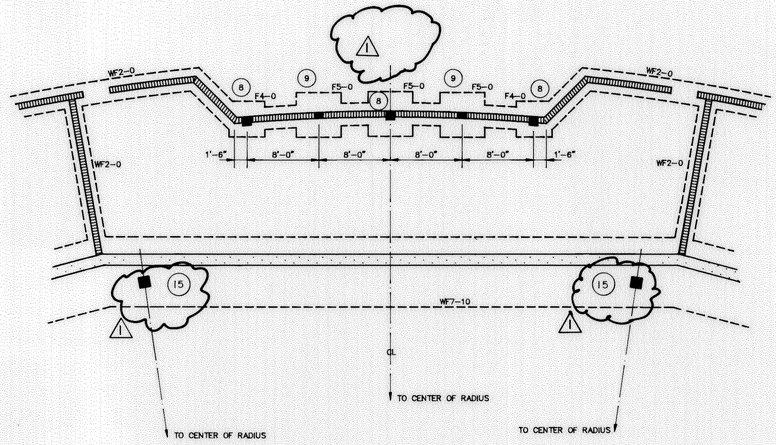
SHEET TITLE
AMPHITHEATER UPPER LEVEL FLOOR PLAN

CATEGORY | SUBCATEGORY | SHEET
A-2



FOUNDATION PLAN

SCALE: 1/16" = 1'-0"

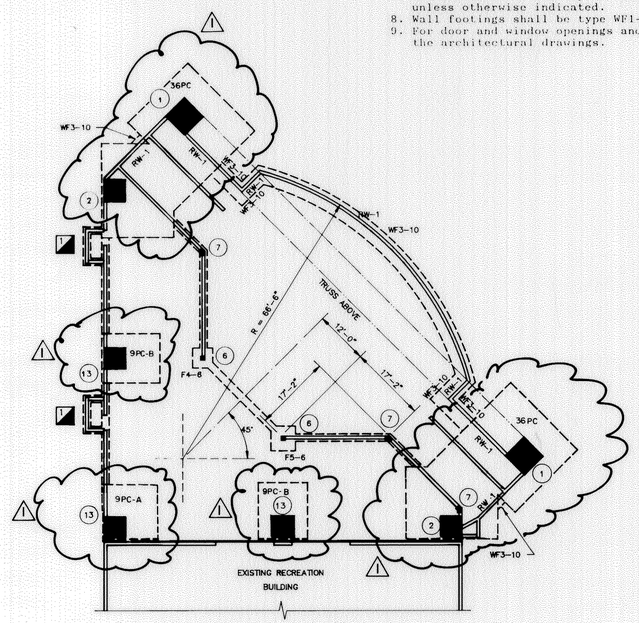


PARTIAL PLAN OF CONCESSION AREA

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

NOTES:

1. The ground floor including the auditorium riser slab on grade shall be a 4" thick concrete slab reinforced with one layer of 6 X 6 - W1.4 X W1.4 welded wire fabric placed at mid-depth.
2. The slab shall be poured on a 6 mil polyethylene vapor barrier on fill compacted to 98% of the Modified Proctor Density as determined in accordance with ASTM D1557-78.
3. Contraction joints shall be formed or sawn in the slab at a spacing of 22'-6" maximum in each direction.
4. Isolation joints consisting of 1/4" thick premolded expansion joint filler meeting ASTM D1751-83 shall be placed between the concrete slab on grade and adjacent vertical elements unless otherwise indicated.
5. Columns and walls shall be centered on their respective footings unless shown otherwise.
6. Reference elevation shall be 0'-0" at the finished ground floor level.
7. The elevation of the top of footings shall be -1'-4" unless otherwise indicated.
8. Wall footings shall be type WF1-8 unless otherwise shown.
9. For door and window openings and dimensions not shown, see the architectural drawings.



NOTE: PRESSURE GROUT UNDER EXISTING WALL FOOTING TO A DEPTH AT ELEVATION -8'-0" ALONG FULL LENGTH OF NORTH WALL BEFORE EXCAVATION FOR PILE CAPS.

PARTIAL BACKSTAGE FOUNDATION PLAN

SCALE: 1/16" = 1'-0"

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
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ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH

MAJOR PARKS RENOVATIONS
POMPANO CITY COMMUNITY PARK
AMPHITHEATER

NO.	DATE	DESCRIPTION
1	2/27/92	COL'S. & FTG'S. REV'D.

REVISIONS

REVISIONS ONLY APPROVED BY

PROJECT NO. 12469

DATE OCT. 28, 1991

DRAWN	CHECKED	ISSUED

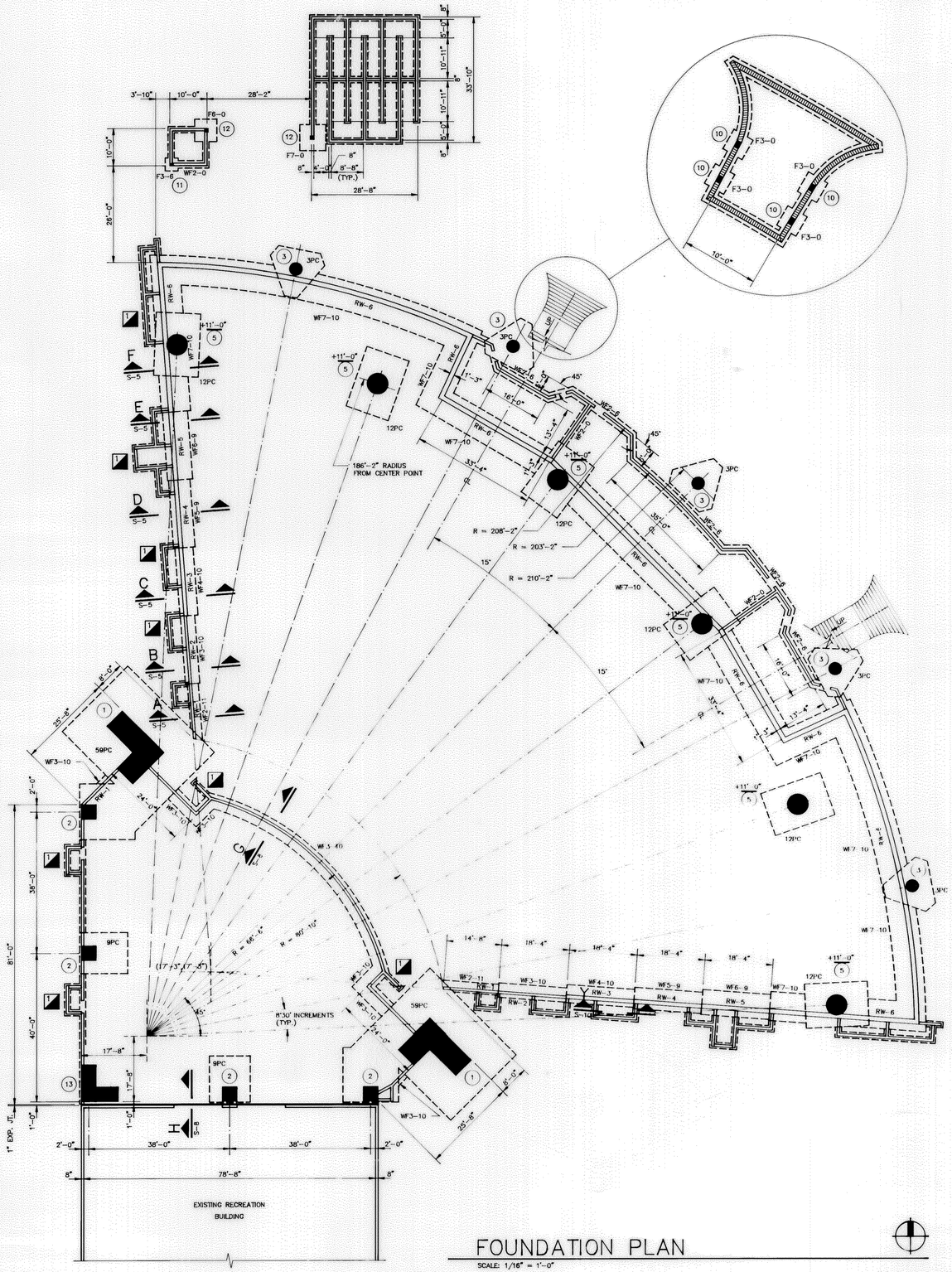
SHEET TITLE

CATEGORY | SUBCATEGORY | SHEET

S-1R

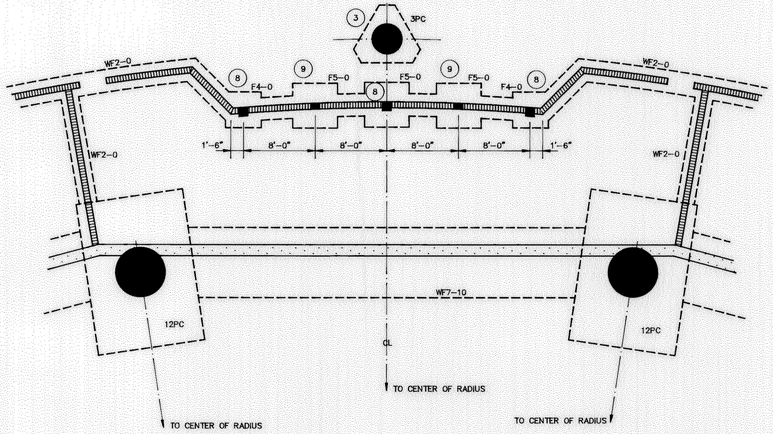
V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

307244



FOUNDATION PLAN

SCALE: 1/16" = 1'-0"



PARTIAL PLAN OF CONCESSION AREA

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

NOTES:

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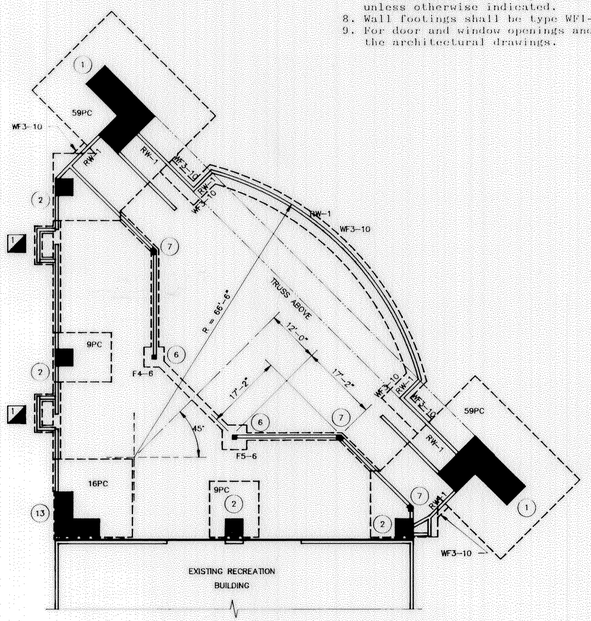

NOTE: PRESSURE GROUT UNDER EXISTING WALL FOOTING TO A DEPTH AT ELEVATION -6'-0" ALONG FULL LENGTH OF NORTH WALL BEFORE EXCAVATION FOR PILE CAPS.

PARTIAL BACKSTAGE FOUNDATION PLAN

SCALE: 1/16" = 1'-0"

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ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
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ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH

MAJOR PARKS RENOVATIONS
POMPANO COMMUNITY PARK
AMPHITHEATER

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO. 12469

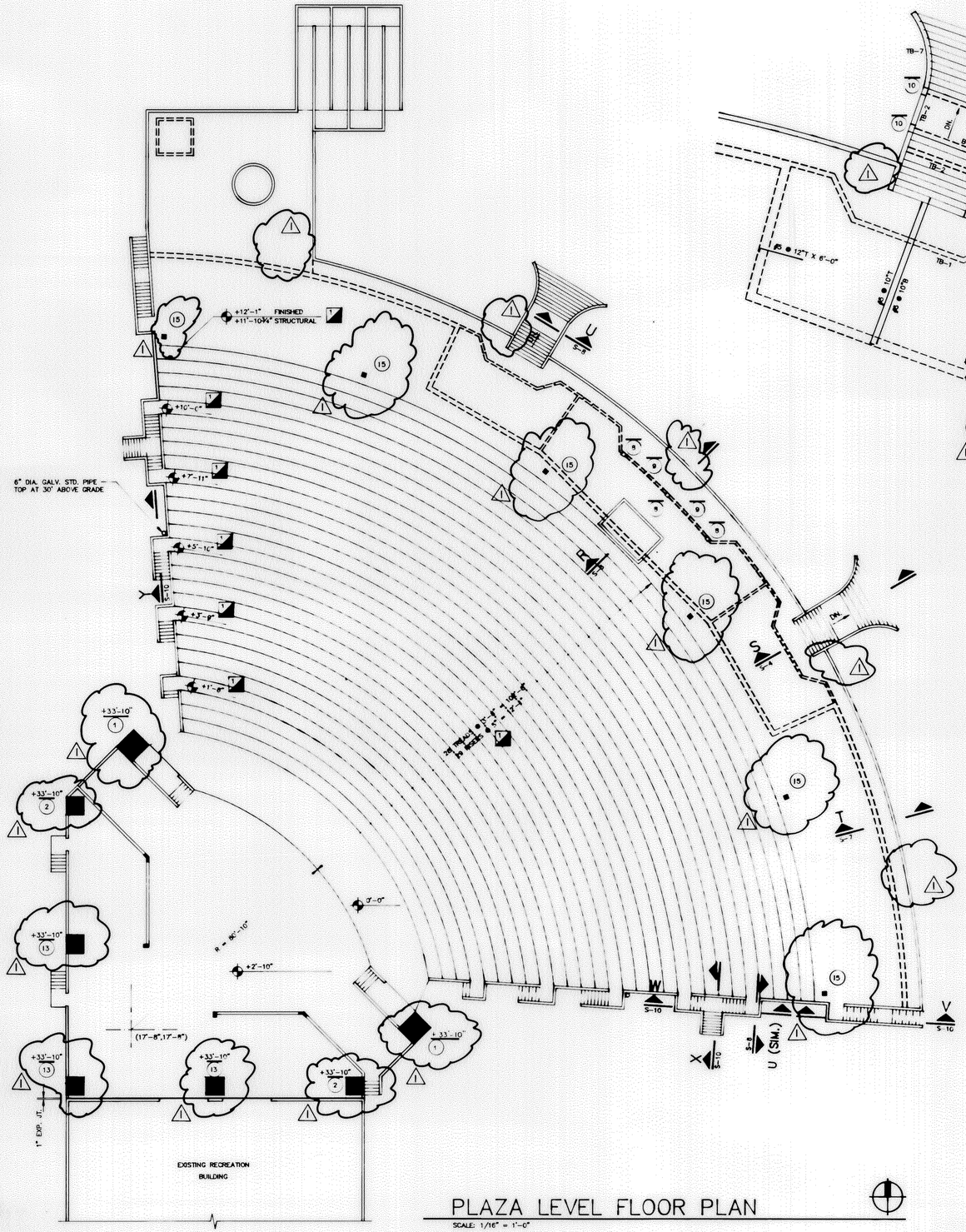
DATE OCT. 28, 1991

DRAWN	CHECKED	ISSUED

SHEET TITLE

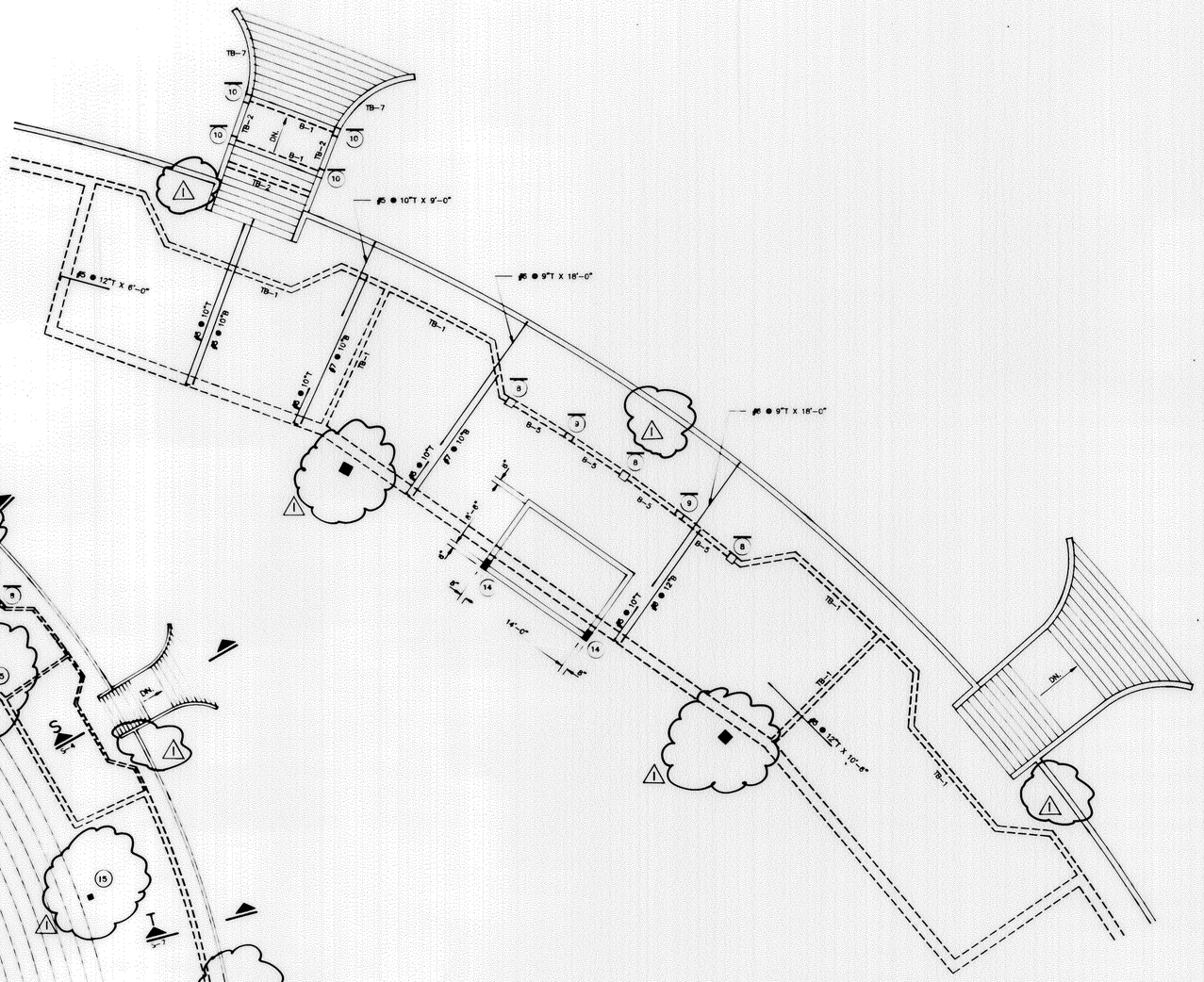
CATEGORY	SUBCATEGORY	SHEET
		S-1

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6219



PLAZA LEVEL FLOOR PLAN

SCALE: 1/16" = 1'-0"



PARTIAL UPPER PLAZA FRAMING PLAN OVER CONCESSION

SCALE: 1/16" = 1'-0"

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
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ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

NO.	DATE	DESCRIPTION
1	2/27/92	COLUMNS REVISED

REVISIONS ONLY APPROVED BY

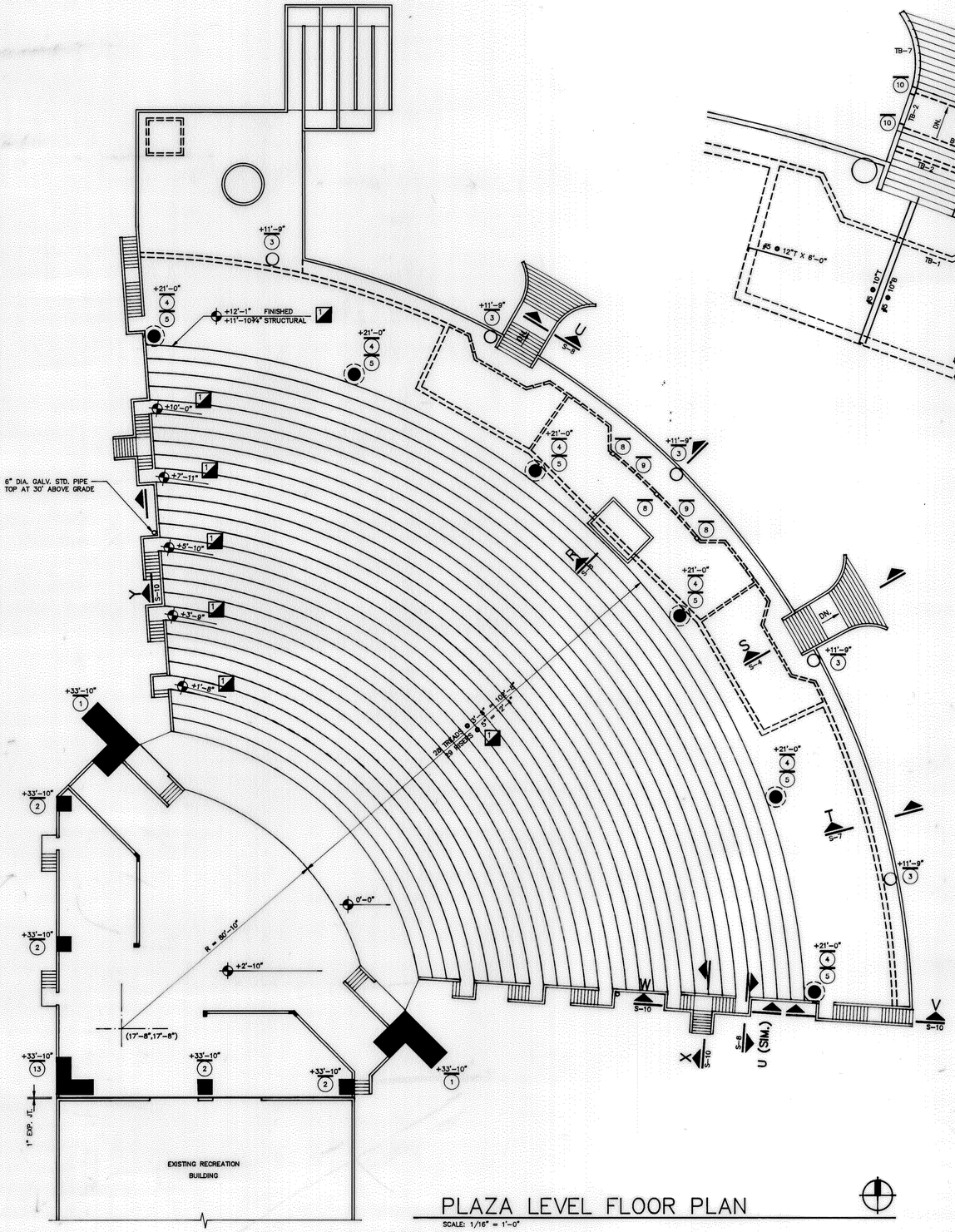
PROJECT NO. 12469

DATE: OCT. 28, 1991

DRAWN | CHECKED | ISSUED

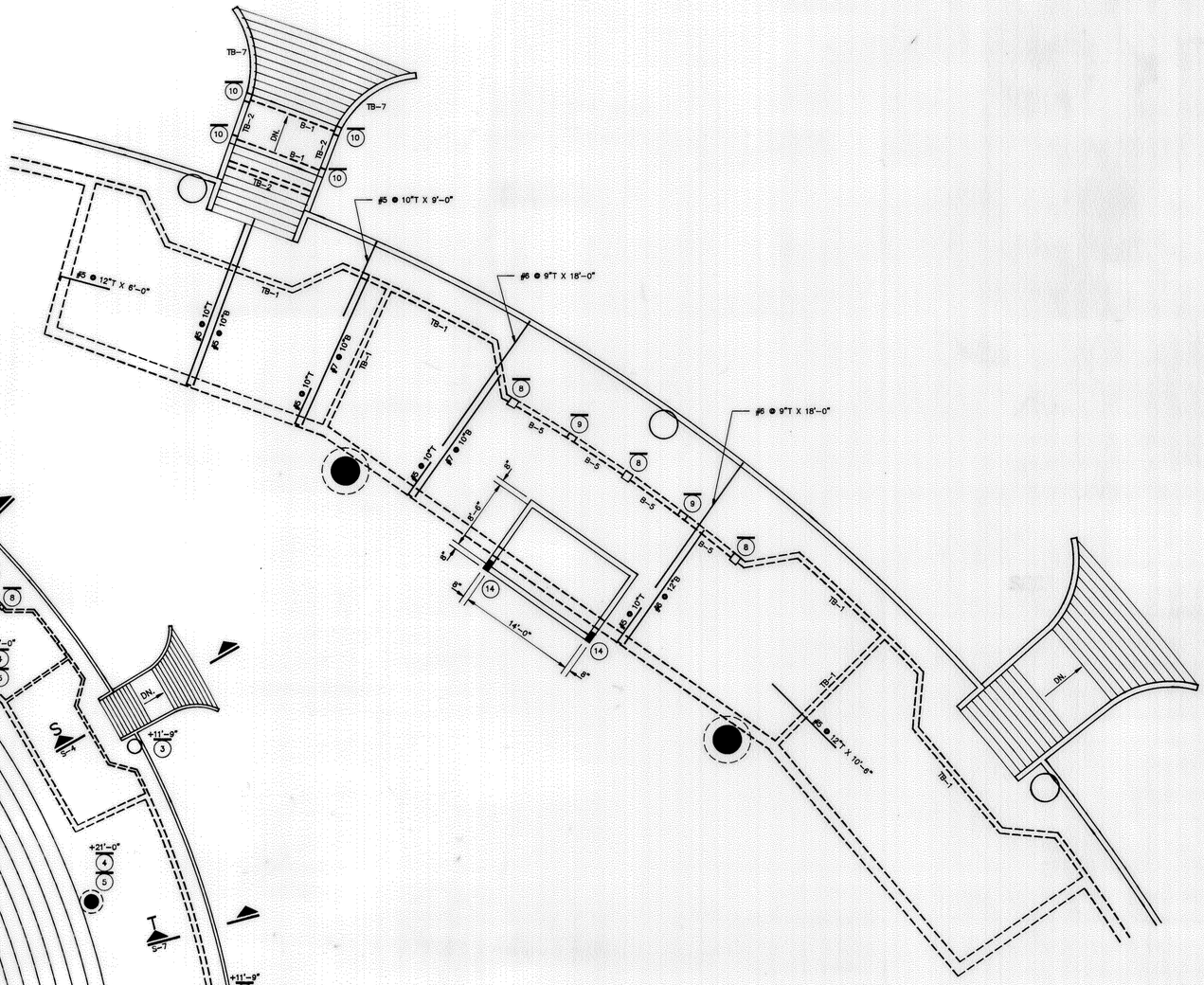
SHEET TITLE

S-2R



PLAZA LEVEL FLOOR PLAN

SCALE: 1/16" = 1'-0"



PARTIAL UPPER PLAZA FRAMING PLAN OVER CONCESSION

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

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

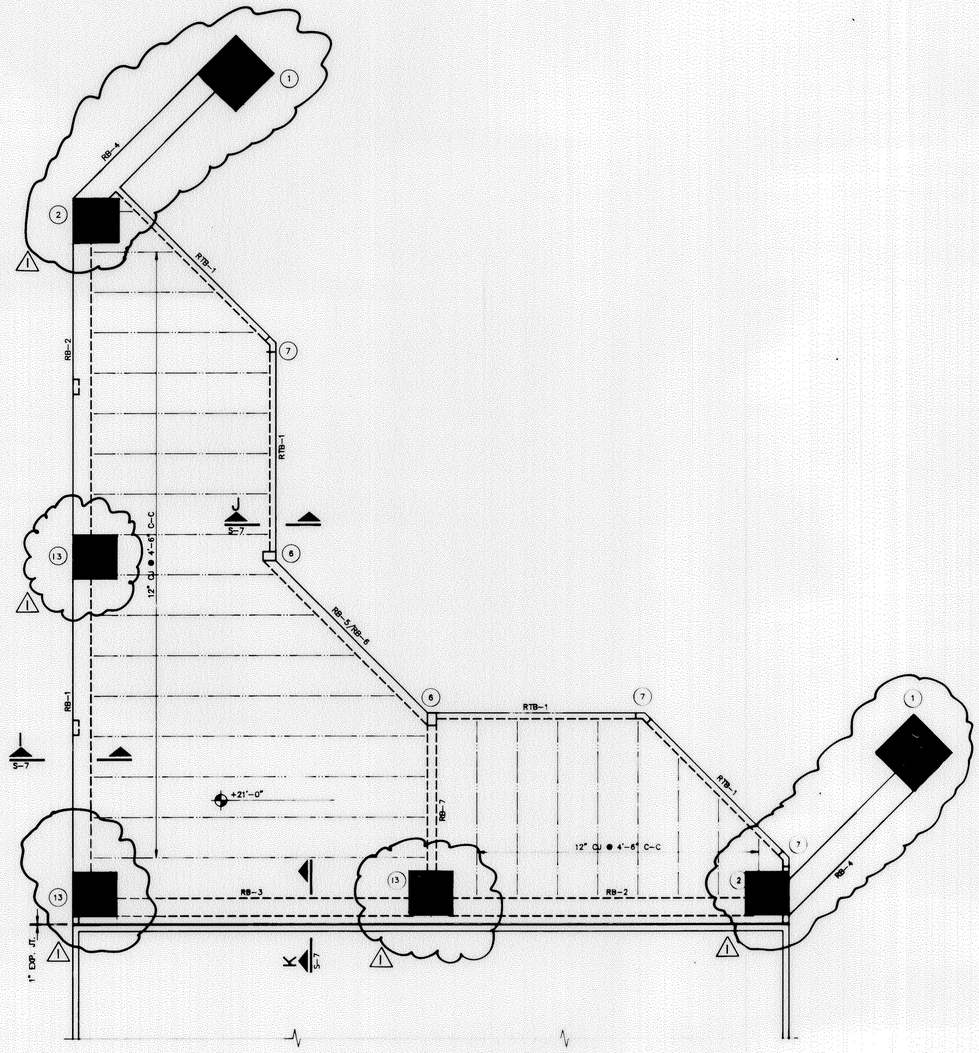
POMPANO COMMUNITY PARK AMPHITHEATER

NO. DATE DESCRIPTION
REVISIONS

PROJECT NO. 12469
DATE OCT. 28, 1991
DRAWN | CHECKED | ISSUED
SHEET TITLE

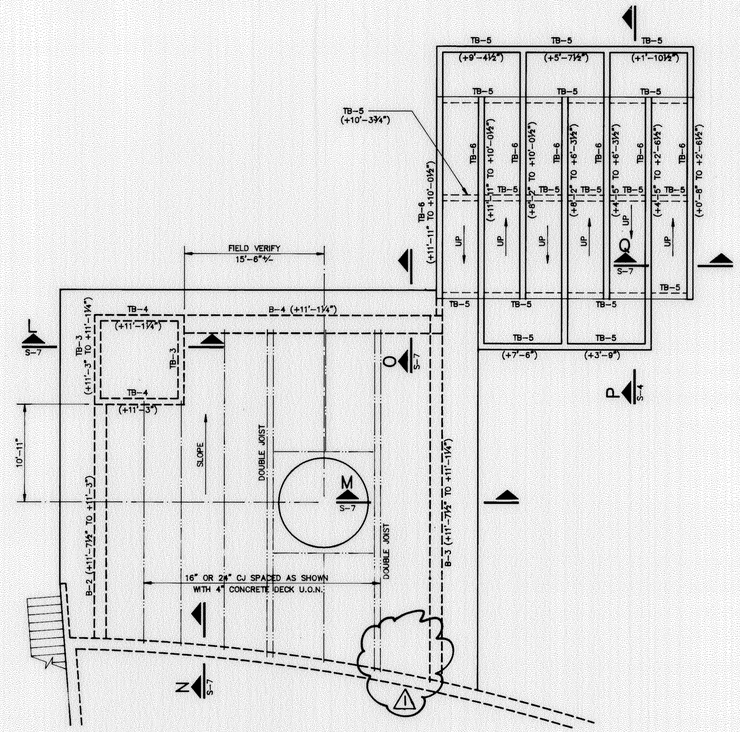
V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

S-2



BACKSTAGE ROOF FRAMING PLAN

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



PARTIAL UPPER PLAZA FRAMING PLAN @ N.W. CORNER

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

Note: The 4" thick concrete deck shall be reinforced with #3 @ 12" c-c each way draped in the direction transverse to the joist to the bottom of the slab at midspan and to the top of the slab over supports.

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
PLANNERS
SURVEYORS
600 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
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CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

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1	2/27/92	COLUMNS REVISED

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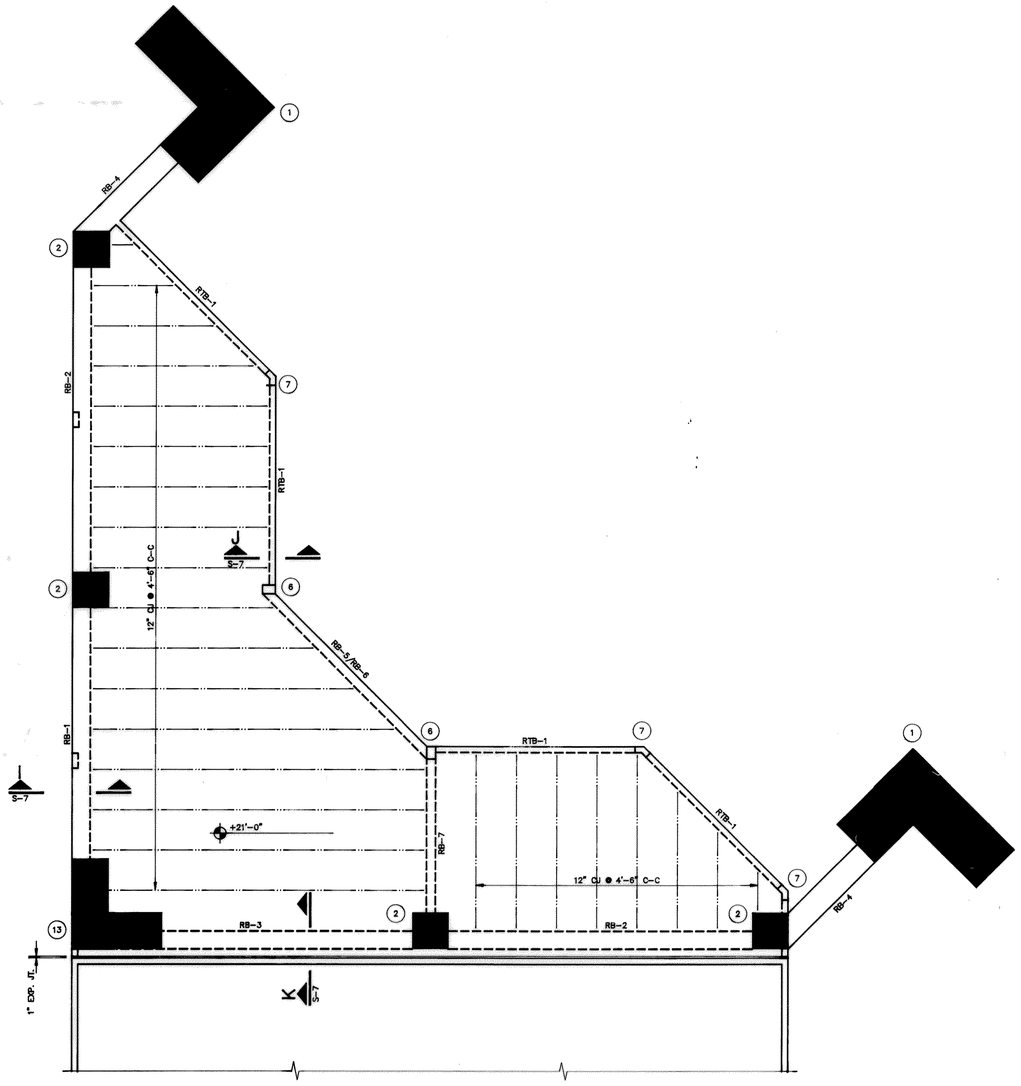
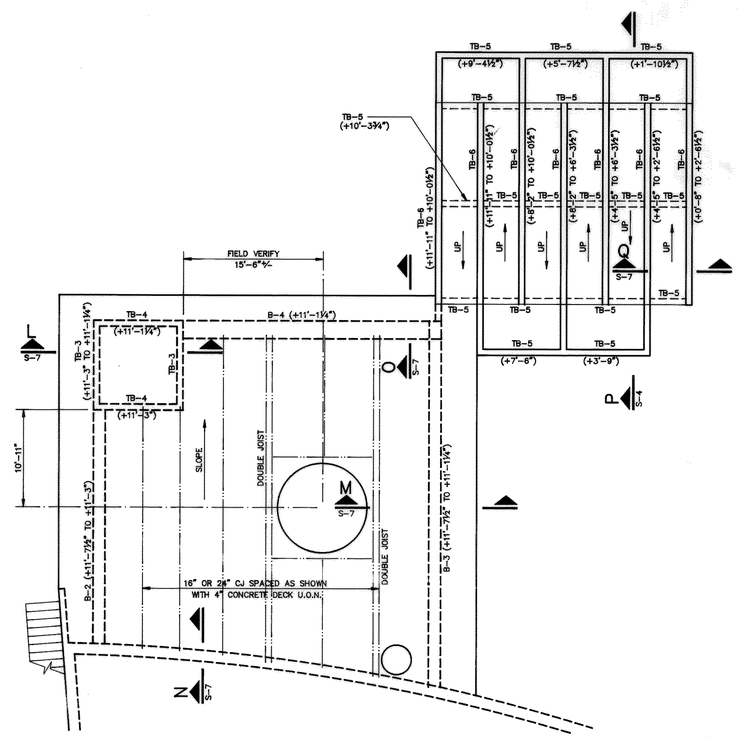
SHEET TITLE

CATEGORY | SUBCATEGORY | SHEET
S-3 R



BACKSTAGE ROOF FRAMING PLAN

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



PARTIAL UPPER PLAZA FRAMING PLAN @ N.W. CORNER

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

Note: The 4" thick concrete deck shall be reinforced with #3 @ 12" c-c each way draped in the direction transverse to the joist to the bottom of the slab at midspan and to the top of the slab over supports.

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 975-6218

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS
POMPANO COMMUNITY PARK
AMPHITHEATER

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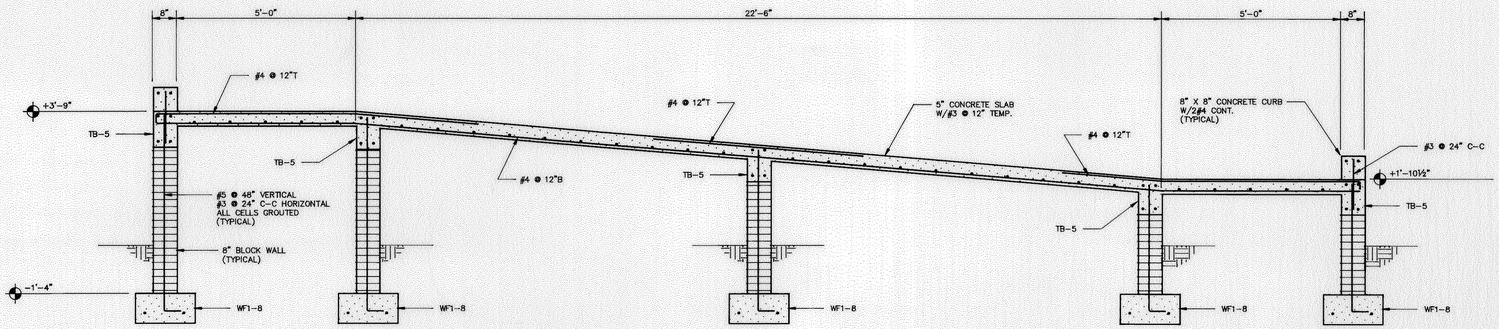
PROJECT NO. 12469

DATE OCT. 28, 1991

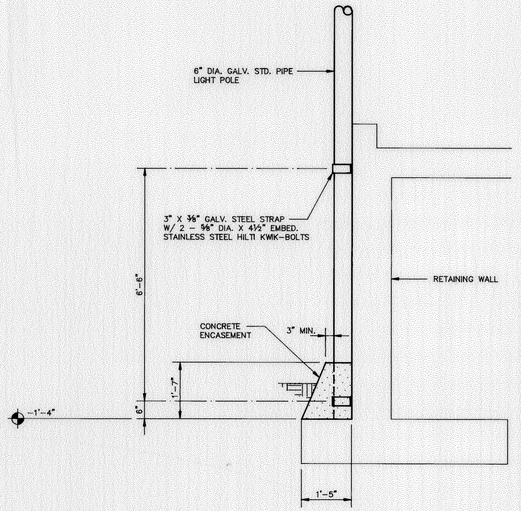
DRAWN	CHECKED	APPROVED

S-3



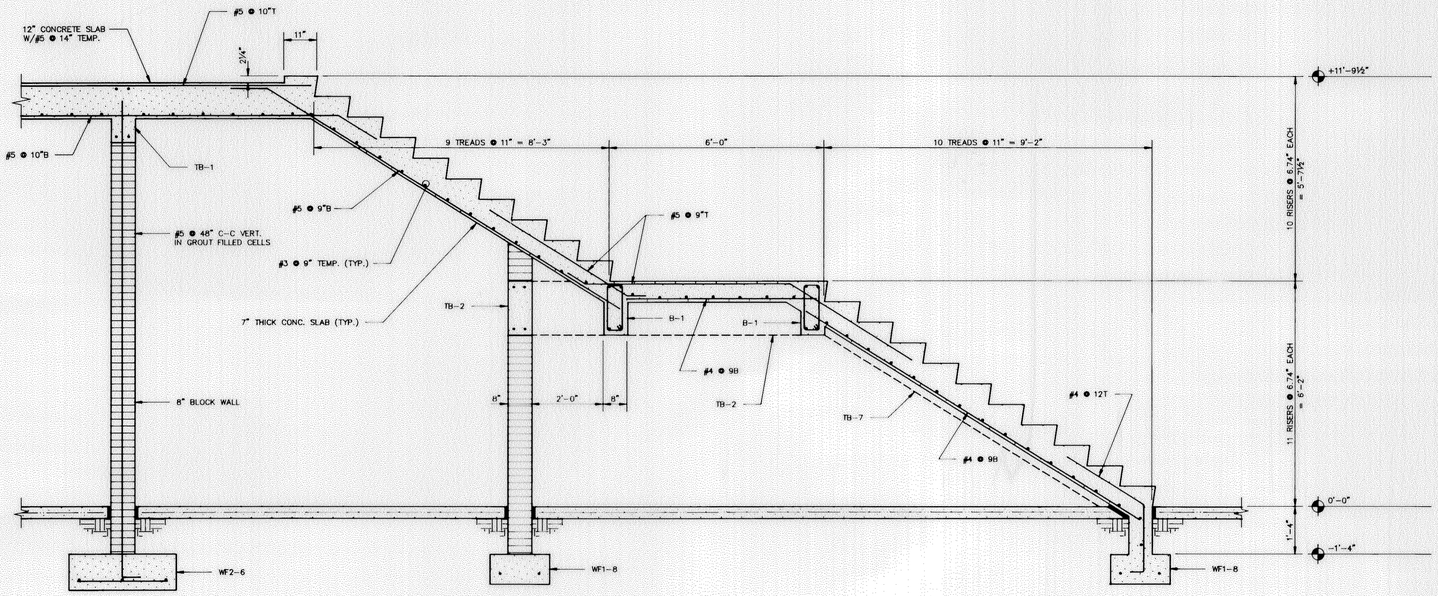
SECTION P

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



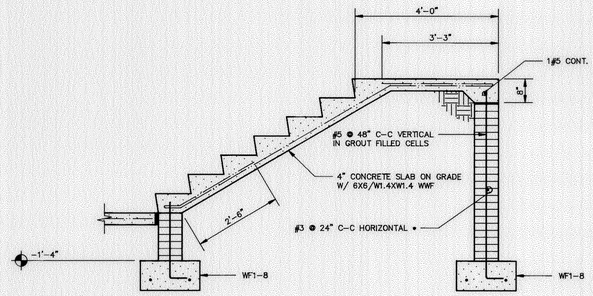
LIGHT POLE SUPPORT DETAIL

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



SECTION S

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



TYPICAL SECTION THRU
STEPS WITH 7 RISERS OR LESS

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

NOTE: * DRILL 5" DEEP INTO RETAINING WALL AND EPOXY GROUT #3 X 1'-8" DOWELS SPLICED TO EACH HORIZONTAL BAR.

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
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CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK
AMPHITHEATER

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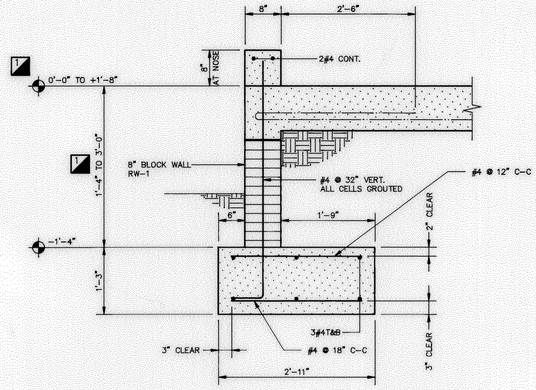
SHEET TITLE

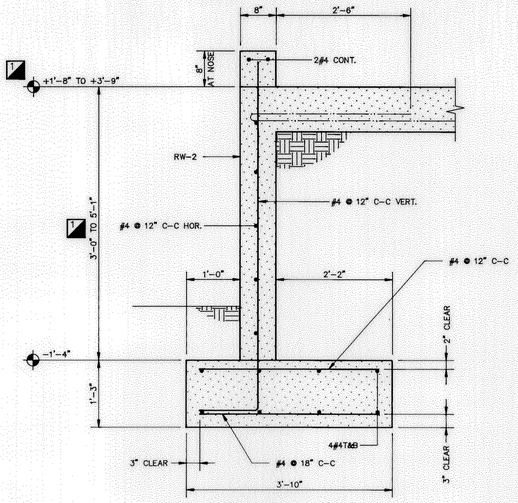
CATEGORY	SUBCATEGORY	SHEET
		S-4

307244



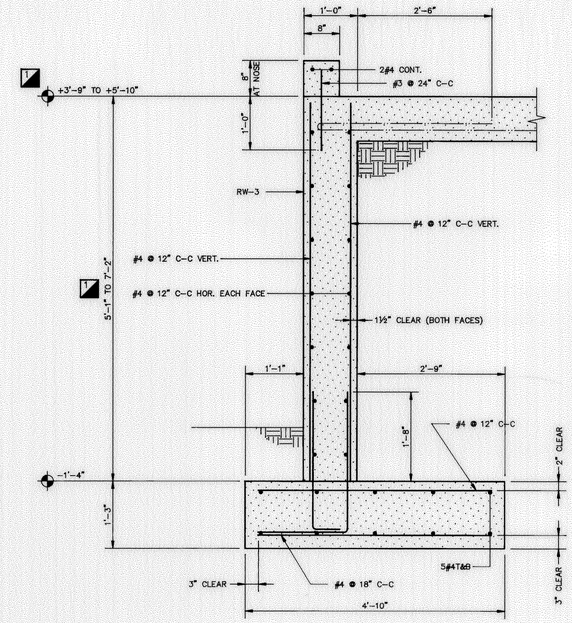
SECTION A

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



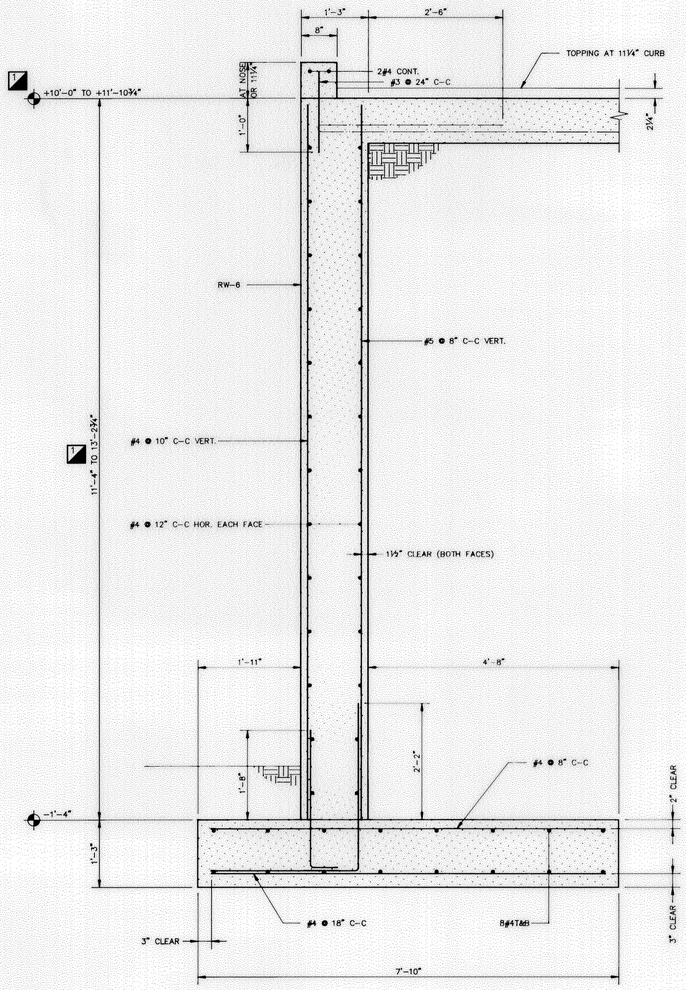
SECTION B

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



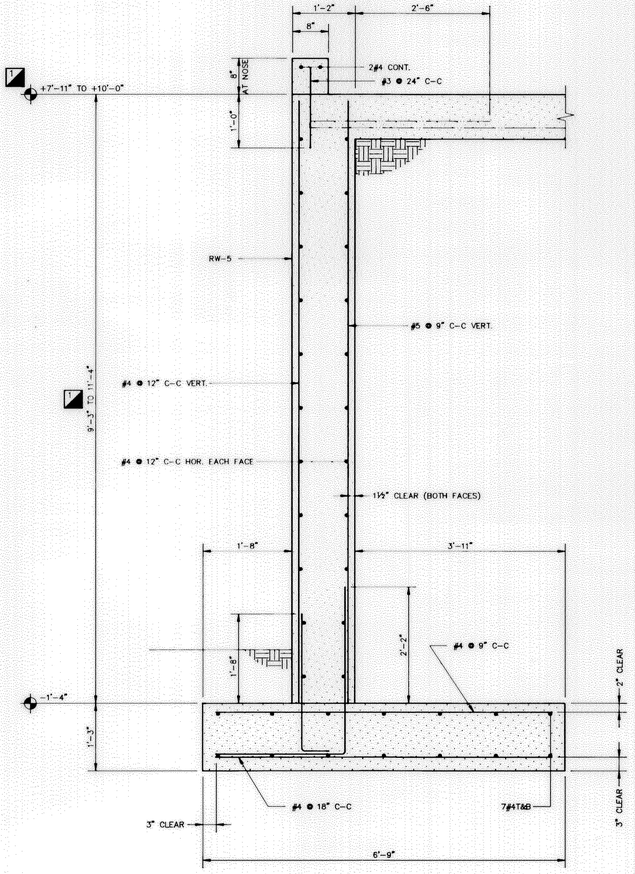
SECTION C

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



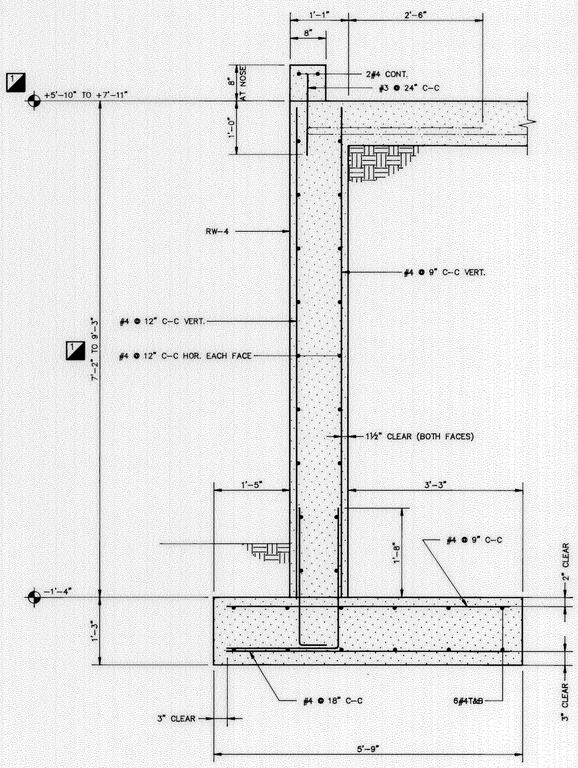
SECTION F

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



SECTION E

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



SECTION D

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

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
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SURVEYORS
6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

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FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
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CITY OF POMPANO BEACH FLORIDA

MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

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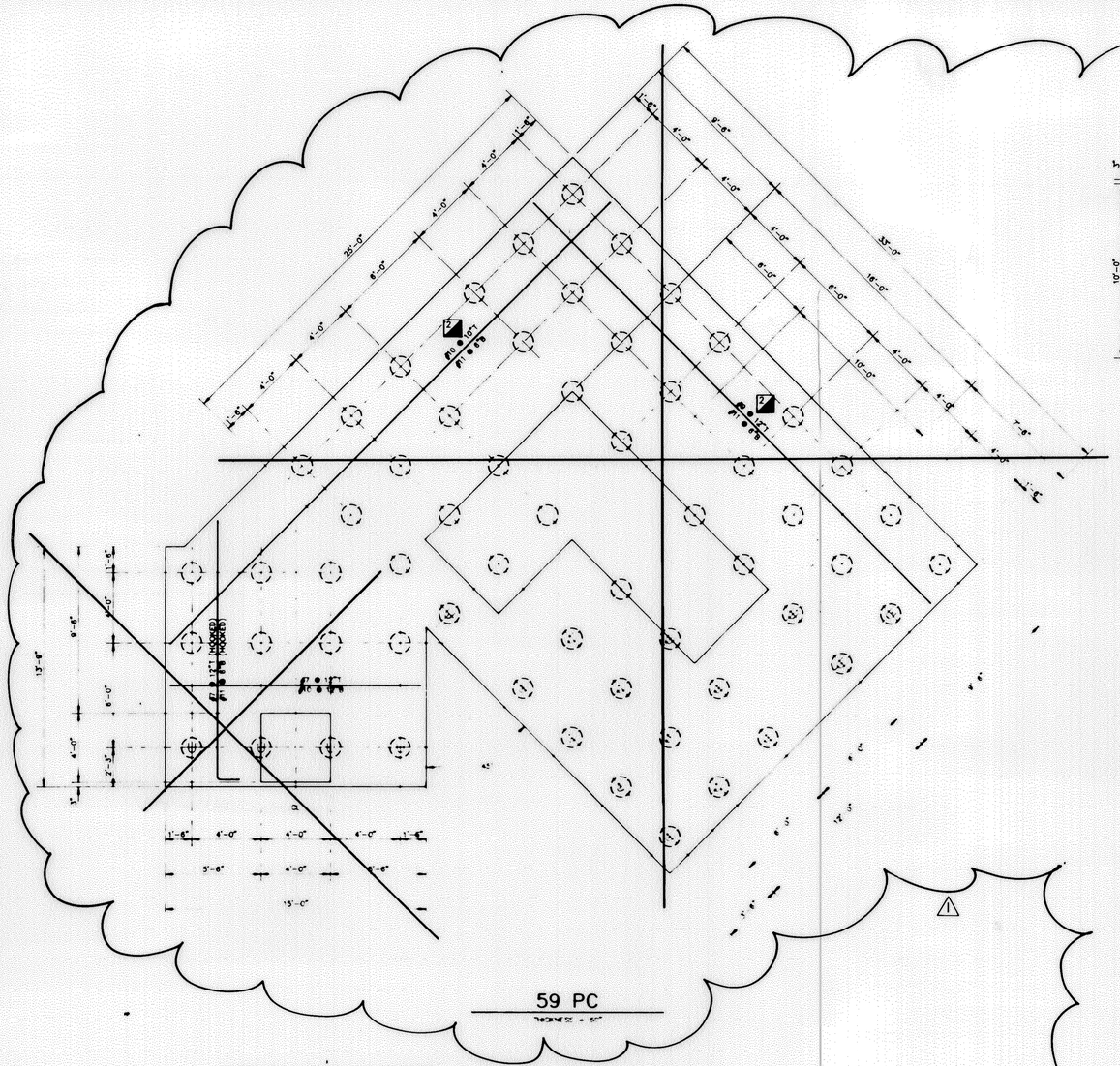
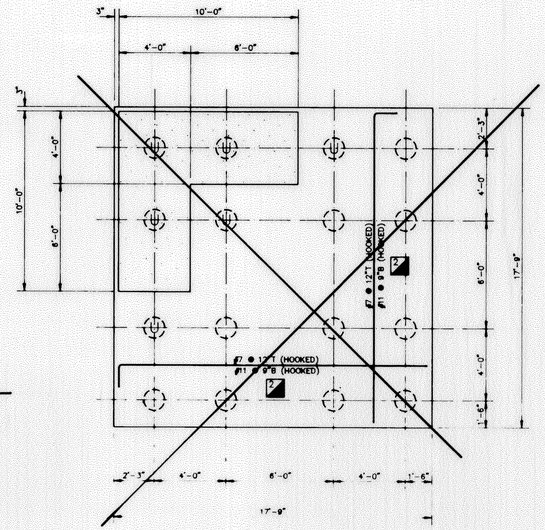
SHEET TITLE

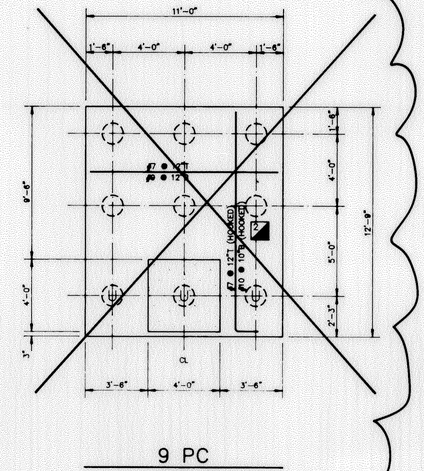
CATEGORY | SUBCATEGORY | SHEET

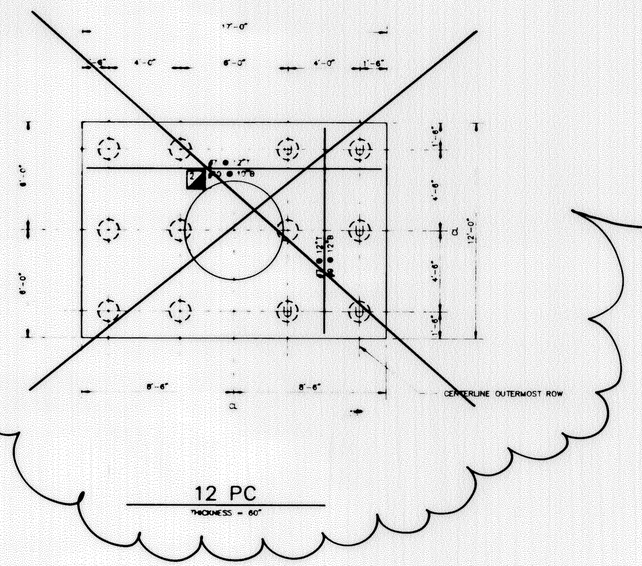
S-5

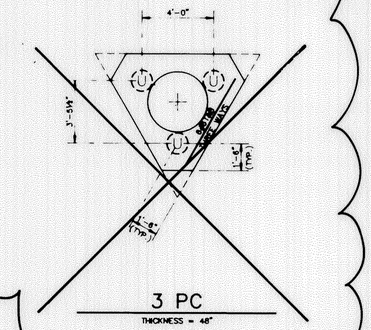
307244

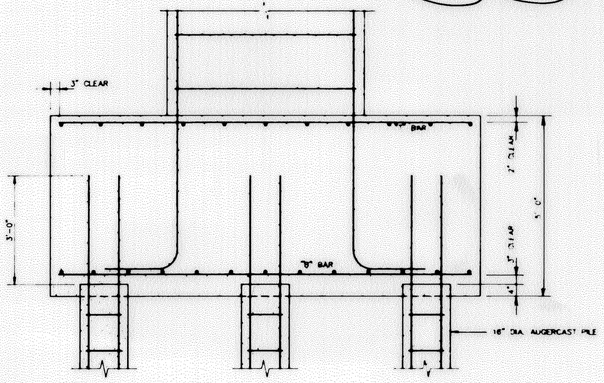




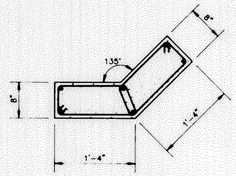








TYPICAL SECTION
THRU PILE CAP
SCALE: 1/2" = 1'-0"



COLUMN MK. 7
SCALE: 3/4" = 1'-0"

Notes:

1. Piles shall be 16" dia. augercast concrete having a working capacity of 80 tons in compression.
2. "U" indicates tension piles having an uplift working capacity of 40 tons.
3. All compression piles shall be reinforced with 4#7 vertical bars with #3 horizontal ties @ 12" c-c.
4. All tension piles shall be reinforced with 6#7 vertical bars with #3 horizontal ties @ 12" c-c.

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
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ZIP CODE: 33309-2132
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FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
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CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

NO.	DATE	DESCRIPTION
1	2/27/92	DELETED COL'N. DETAIL

REVISIONS

REVISIONS ONLY APPROVED BY

PROJECT NO. 12469

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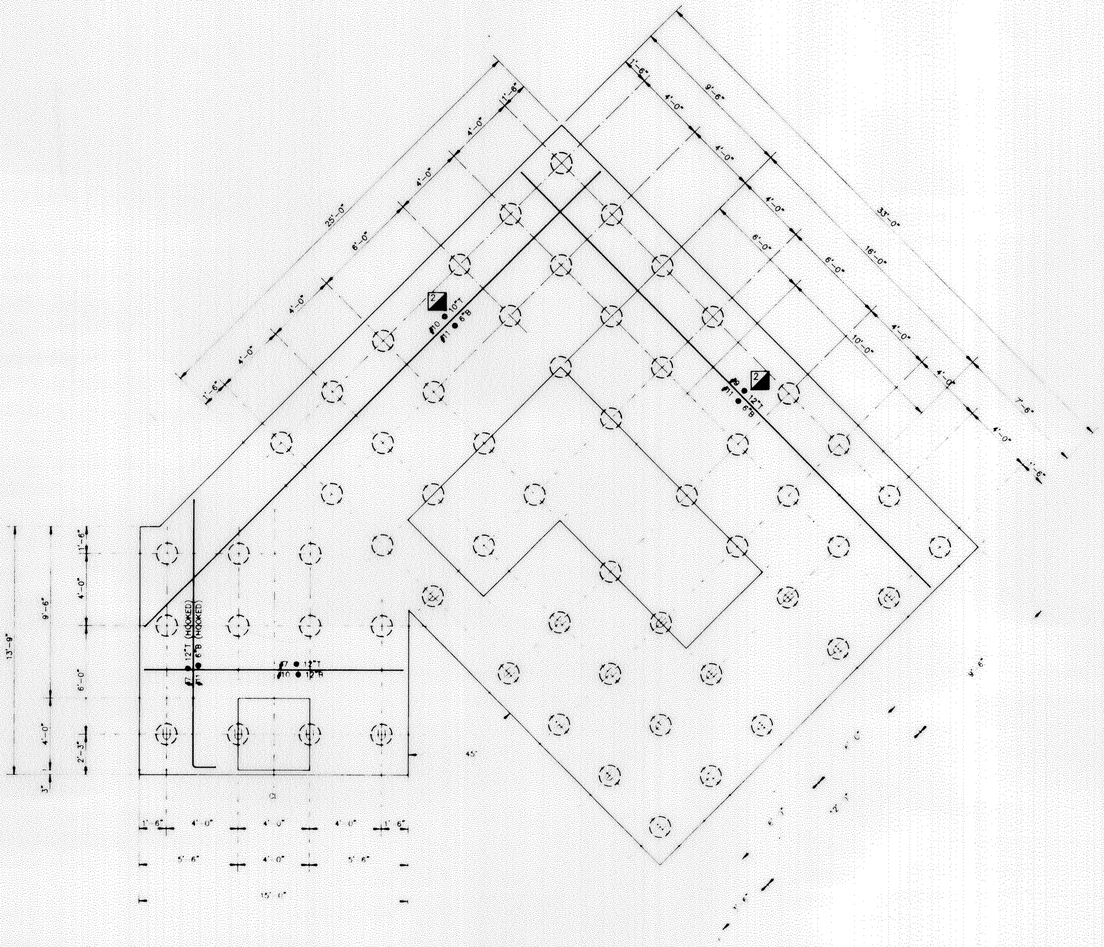
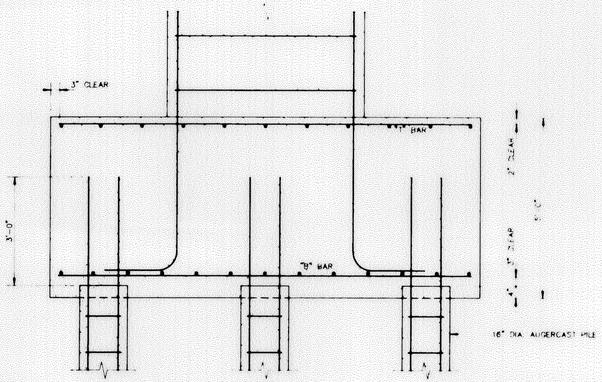
SHEET TITLE

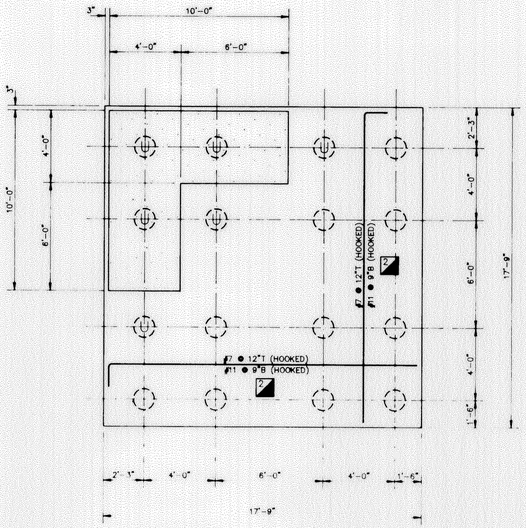
CATEGORY	SUBCATEGORY	SHEET
		S-6R



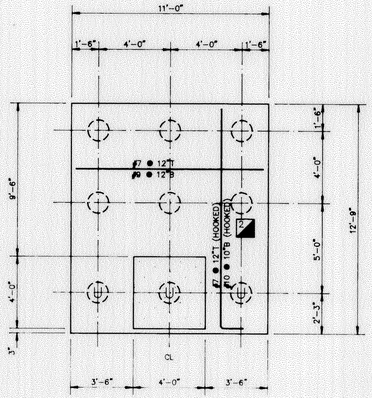
59 PC
THICKNESS = 60"



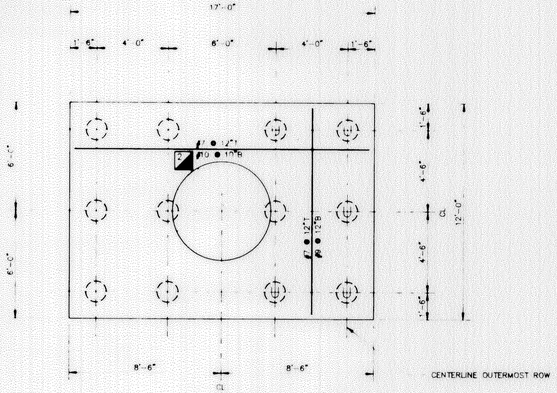
TYPICAL SECTION
THRU PILE CAP
SCALE: 1/2" = 1'-0"



16 PC
THICKNESS = 60"

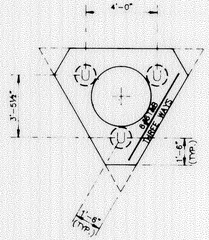


9 PC
THICKNESS = 60"



12 PC
THICKNESS = 60"

CENTERLINE OUTERMOST ROW



3 PC
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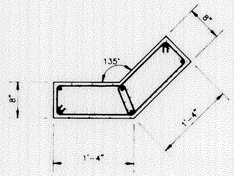

COLUMN MK. 7
SCALE: 3/4" = 1'-0"

Notes:

1. Piles shall be 16" dia. augercast concrete having a working capacity of 80 tons in compression.
2. "T" indicates tension piles having an uplift working capacity of 40 tons.
3. All compression piles shall be reinforced with 4#7 vertical bars with #3 horizontal ties @ 12" c-c.
4. All tension piles shall be reinforced with 6#7 vertical bars with #3 horizontal ties @ 12" c-c.

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CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
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Keith & Schnars, P.A.
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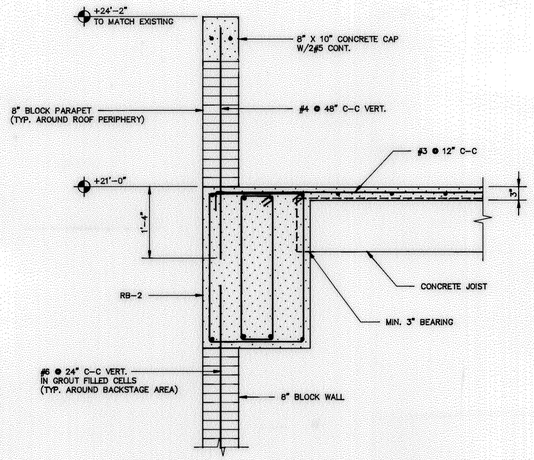
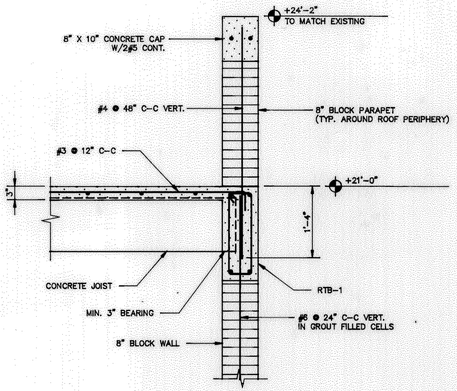
CATEGORY | SUBCATEGORY | SHEET
S-6

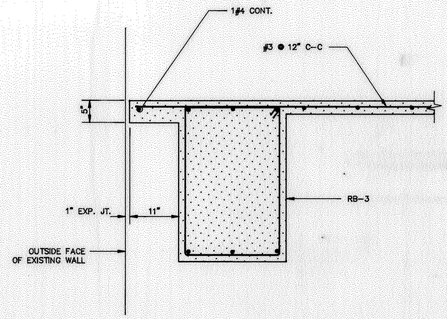
207344



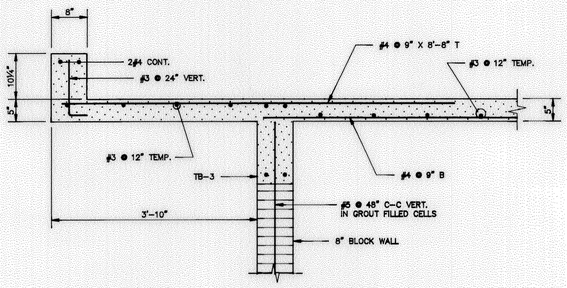
SECTION I
SCALE: 3/4" = 1'-0"



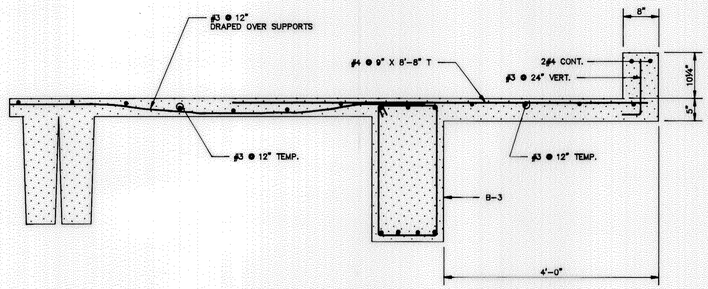
SECTION J
SCALE: 3/4" = 1'-0"



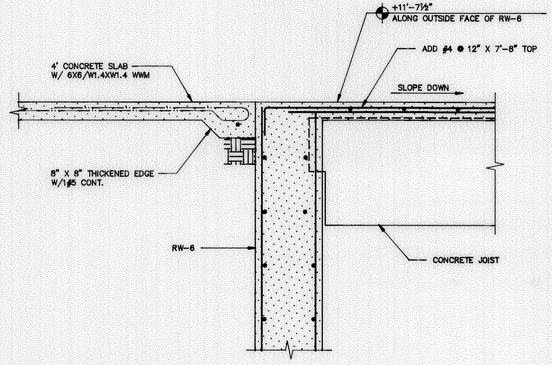
SECTION K
SCALE: 3/4" = 1'-0"



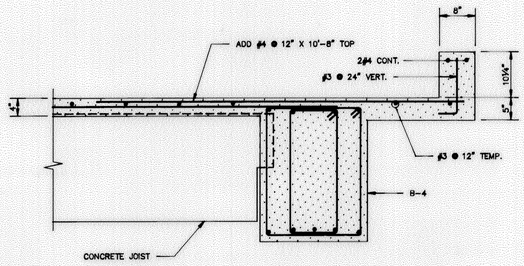
SECTION L
SCALE: 3/4" = 1'-0"



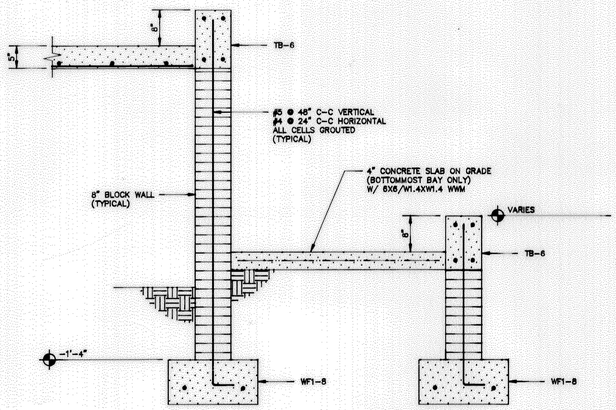
SECTION M
SCALE: 3/4" = 1'-0"



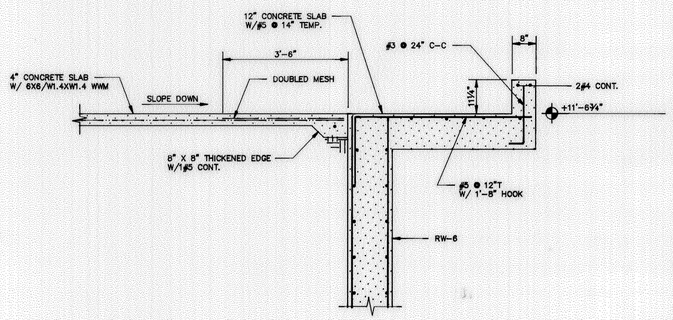
SECTION N
SCALE: 3/4" = 1'-0"



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



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



SECTION T
SCALE: 1/2" = 1'-0"

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS
6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

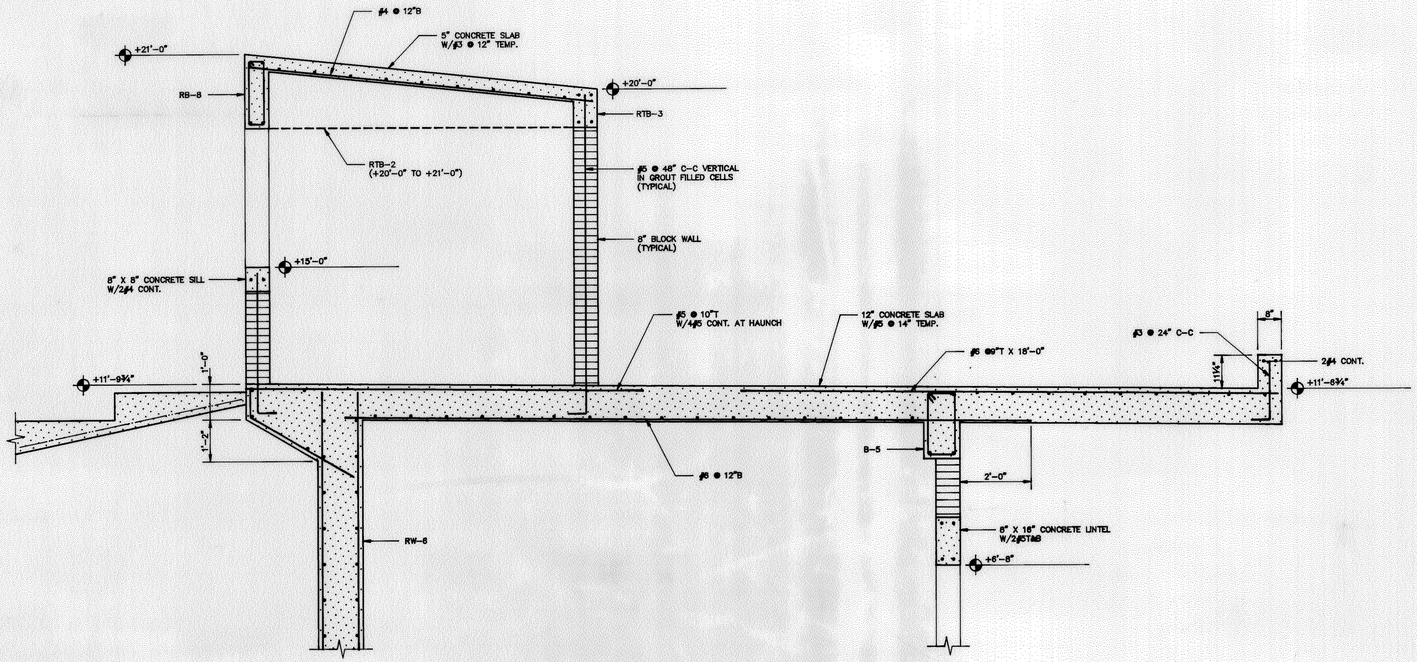
CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

12469

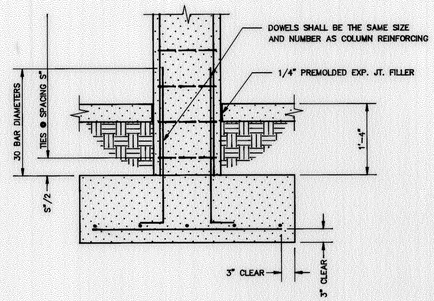
OCT. 28, 1991

S-7



SECTION R

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



CONCRETE COLUMN BASE DETAIL

NO SCALE

COLUMN TERMINATES AT ELEVATION OF HIGHEST BEAM UNLESS NOTED THUS

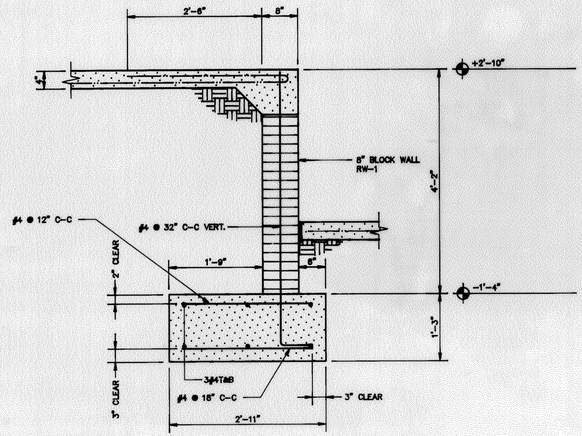
+##'-#"

(#) = COLUMN BELOW

(#) = COLUMN THRU

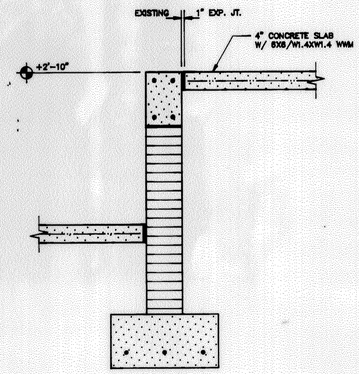
(#) = COLUMN ABOVE

COLUMN MARK SYMBOL



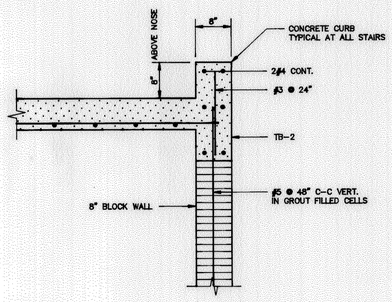
SECTION G

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



SECTION H

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



SECTION U

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

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
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CITY OF POMPANO BEACH

MAJOR PARKS RENOVATIONS

POMPANO CITY COMMUNITY PARK AMPHITHEATER

NO. DATE DESCRIPTION

REVISIONS

PROJECT NO. 12469

DATE OCT. 28, 1991

DRAWN | CHECKED | ISSUED

SHEET TITLE

CATEGORY SUBCATEGORY SHEET

S-8

STRUCTURAL NOTES

GENERAL

Where the year of adoption, edition or revision of the codes, standards and specifications cited below is not indicated, the latest shall apply.

Where shop drawings are required to be submitted, such drawings shall first be reviewed by the General Contractor who shall indicate his approval of dimensions, compatibility with other trades, and general compliance with the contract documents before submission to the Architect/Engineer for review. Fabrication, erection or placement may not commence until the Architect/Engineer's review has been satisfactorily completed.

DESIGN CRITERIA

The structure has been designed in accordance with the requirements of the South Florida Building Code to sustain the following superimposed loads :-

Plaza live load ..... 100 psf
Stairs live load ..... 100 psf
Roof live load ..... 30 psf
Design wind velocity ..... 120 mph

CONCRETE

Concrete mixes shall be designed by an approved testing laboratory in accordance with the requirements of ASTM C94-86a and ACI 318-89 to achieve 28-day compressive strengths as stated below :-

Beams, columns, retaining walls, slabs:	4000 psi.
Risers and slab on grade:	4000 psi.
Pile caps and footings:	3000 psi.

The mix design for each class of concrete shall be submitted for review prior to placing.

No water beyond that shown in the mix design may be added at the site. The elapsed time from the first contact of water with cement to the deposit of the concrete in its final position shall not exceed 90 minutes. Any concrete which cannot be deposited within such a time shall be discarded. The testing laboratory shall state in its report any non-compliance with the provisions of this paragraph.

Concrete may contain water-reducing and retarding admixtures conforming to ASTM C494-86 and/or an air entraining admixture conforming to ASTM C260-86. Placing, finishing and curing shall meet all the requirements of ACI 301-84. Curing compounds shall comply with ASTM C309-81.

CONCRETE TESTS

Concrete compressive strength test samples shall be obtained and tested by an approved testing laboratory in accordance with the requirements of Section 16.3.4 of ACI 301-84 except that a set of five cylinders shall be made for every 50 cubic yards or fraction thereof of concrete placed per day: one to be tested at the proposed time of stripping, one at 7 days, two at 28 days, and one retained for subsequent testing in the event that the 28-day test fails to meet the specified strength requirement.

REINFORCING STEEL

Concrete reinforcing bars shall conform to ASTM A615-86 Grade 60, free from oil, loose scale and rust and shall be fabricated and placed in accordance with the bending diagrams on these drawings and with the standards of ACI 315-80. Welded wire fabric shall conform to ASTM A185-85. Shop drawings shall be submitted for review prior to commencement of fabrication.

FORMWORK

The design, erection and removal of formwork including shoring shall meet the specifications of ACI 301-89 and the recommendations of ACI 347R-88. Formwork to the soffits of elevated structural elements such as beams, joists and slabs shall not be removed until the supported concrete has reached at least two-thirds of its specified 28-day compressive strength.

PRESTRESSED CONCRETE JOIST SYSTEM

Unless otherwise indicated, floor and roof decks shall be 3" thick composite concrete slabs reinforced with #3 bars at 12" c-c each way at mid-depth over prestressed concrete joists with maximum depths and spacings as shown on the drawings. The ends of the joists shall extend 3" into the supporting beams. Beams prefixed SB- shall have precast-prestressed concrete beam soffits furnished with positive reinforcing and stirrups to resist the moments and shears indicated in the beam schedule. Stirrups may be cut within the middle eighth of the span to facilitate placing of top reinforcing provided that a drop-in stirrup is furnished for each cut stirrup. The prestressed concrete joist system shall be designed in accordance with the requirements of ACI 318-89 to sustain the self weight of the members including topping and the following superimposed loads :-

Plaza deck live load ... 100 psf
dead load ..... 28 psf
Roof live load ..... 30 psf
dead load ..... 29 psf

The design shall be prepared under the supervision of an engineer registered in the State of Florida in strict conformance to all applicable codes. Sealed shop drawings shall be submitted for review prior to commencement of fabrication.

MASONRY

Concrete masonry units shall have a nominal thickness of 8" unless otherwise shown on these drawings and shall comply with the specifications of ASTM C90-85, Grade N, Type I. Mortar shall conform to ASTM C270-86b, Type M (2500 psi). Dur-O-Wal or equal 9 ga. truss type horizontal reinforcement shall be provided at every third course. Where concrete columns are cast before masonry units are laid, dovetail slots with anchors at every third course shall be provided. Cells adjacent to openings and free ends of walls and reinforced cells shall be filled with pea-gravel concrete in maximum lifts of 4 feet.

LINTELS

Precast or poured-in-place reinforced concrete lintels shall be provided across masonry openings as follows :-

Spans up to 6 ft. :
8" wide x 8" deep with 2#5 bottom
Spans greater than 6 ft. but less than 12 ft. :
8" wide x 16" deep with 2#5 top & bottom

Minimum bearing shall be 8" at each end. Where the lintel abuts a concrete column, the lintel shall be cast integrally with the column with 2#5 added top bars.

STRUCTURAL STEEL

Structural steel shall conform to the following ASTM designations except where noted in these drawings :-

Shapes, plates and bars : A36-87
Pipes : A501-84
Tubes : A500-84, Grade B
Anchor bolts : A36-87
Machine bolts : A307-86a

Welds shall conform to AWS A5.1-81, E-70XX Electrode.

All steel shall receive one shop coat and a field touch-up of red oxide primer or equal except where galvanizing is required on these drawings. Fabrication, painting and erection shall comply with the provisions of the 1989 AISC Specification for Structural Steel Buildings - Allowable Stress Design and Plastic Design. Shop drawings shall be submitted for review prior to commencement of fabrication.

TENSION STRUCTURE

The design and detailing of the tension structure shall be prepared under the supervision of an engineer registered in the State of Florida in strict conformance to all applicable codes. Sealed shop drawings and calculations shall be submitted for review prior to commencement of fabrication and prior to installation of pile foundations.

SOIL COMPACTION

The foundations have been designed for an allowable soil bearing pressure of 2500 psf.

Topsoil to a minimum depth of one foot and all organic and deleterious materials shall be removed from the entire area covered by the building and five feet beyond building lines. Clean, well-graded granular fill meeting the requirements of ASTM D2487-85, Classification SW shall be placed up to finished grade in lifts not exceeding 12" thick. The subgrade and each lift of fill material shall be mechanically compacted to 98% of the Modified Proctor Density as determined in accordance with ASTM D1557-78.

Compliance with the compaction requirement for the subgrade and each lift of fill material shall be verified by tests performed by an approved soils testing laboratory.

AUGERCAST PILES

Augercast piles shall be placed by rotating a continuous-flight hollow-shaft auger into the ground to a pre-determined pile depth. While the auger is withdrawn, high-strength mortar shall be pumped to fill the hole with sufficient pressure to avoid hole collapse and to cause lateral penetration of the mortar into soft or porous zones of the surrounding soil. Whether or not the hole is sufficiently stable to retain its shape without support from the earth-filled auger, a head of at least several feet of mortar above the injection point shall be carried around the perimeter of the auger flighting at all times during the withdrawal of the auger so that the high-strength mortar has a displacing action removing any loose material from the hole.

The high-strength mortar shall consist of portland cement, fluidifier, sand and water so proportioned as to provide a hardened mortar having an ultimate compressive strength of 4000 psi. at 28 days. The mortar mix shall be tested by making one set of 2" cubes for each day during which augercast piles are placed. A set of cubes shall consist of 2 cubes to be tested at 7 days and 2 cubes to be tested at 28 days. The test cubes shall be made and tested in accordance with ASTM C109-86, except that the mortar should be restrained from expansion by a top plate.

The piles shall be installed within 1 1/2 inches of the locations shown on the drawings and shall be capable of sustaining the pile loads indicated. Upon completion of the installation, the piling contractor shall provide a certification sealed by a geotechnical engineer registered in the State of Florida that the design capacities of the piles have been met.

The Contractor shall provide for one compression and one tension load test to be performed in accordance with the requirements of ASTM D1143-81 and ASTM D3689-83 prior to commencement of pile installation.

BEAM SCHEDULE

MARK	TOP ELEVATION	SIZE Width x Depth	REINFORCING Bott.	REINFORCING Top	HOOP SPACING
RB-1	+21'-0"	24" x 36"	4#8	2#9TA 2#7TB	2#3 @ 16" T/O
RB-2	+21'-0"	24" x 36"	4#9	2#10TA 2#8TB	2#3 @ 16" T/O
RB-3	+21'-0"	24" x 36"	3#9	2#9TA 1#7TB	#3 @ 16" T/O
RB-4	+21'-0"	24" x 36"	3#9	3#8TC	#3 @ 16" T/O
RB-5	+21'-0"	12" x 36"	3#8	2#6TC 1#6TB	#3 @ 12" T/O
RB-6	+16'-0"	12" x 24"	2#7	2#6TC	#3 @ 10" T/O
RB-7	+21'-0"	12" x 32"	2#8	2#6TC	#3 @ 12" T/O
RB-8	+21'-0"	8" x 24" max	2#6	2#5TC	#3 @ 16" T/O
RTB-1	+21'-0"	8" x 21"	2#5	2#5TC	
RTB-2	See Sect. R	8" x 12" min	2#5	2#5TC	
RTB-3	+20'-0"	8" x 12" min	2#5	2#5TC	
B-1	+ 6'-2"	8" x 18"	2#7	2#5TC	6#3 @ 8" EE Bal. @ 12"
B-2	See Plan	16" x 32"	3#8	3#6TC	#3 @ 12" T/O
B-3	See Plan	16" x 32" See Note 2	4#11	3#9TC	#3 @ 12" T/O
B-4	+11'-1 1/4"	24" x 32"	5#11	4#8TC	10 pr.#3 @ 7" EE Bal. #3 @ 12"
B-5	+11'-7 3/4"	12" x 24"	2#6	2#6TC	#3 @ 10" T/O
B-6	+ 5'-4"	8" x 16"	2#5	2#5TC	#3 @ 12" T/O
TB-1	See Plan	8" x 20" min	2#5	2#5TC	
TB-2	+ 6'-2"	8" x 18"	2#5	2#5TC	
TB-3	See Plan	8" x 12" min	2#5	2#5TC	
TB-4	See Plan	8" x 32" min	2#5	2#5TC	
TB-5	See Plan	8" x 12" min	2#5	2#5TC	
TB-6	See Plan	8" x 12" min	2#5	2#5TC	
TB-7	See Sect. S	8" x 12" min	2#5	2#5TC	

Notes: 1. EE = each end, T/O = throughout.
2. Provide 1 1/2" upward camber at midspan.
3. All TB reinforcing shall be continuous. Provide corner bars 18" each leg.

COLUMN SCHEDULE

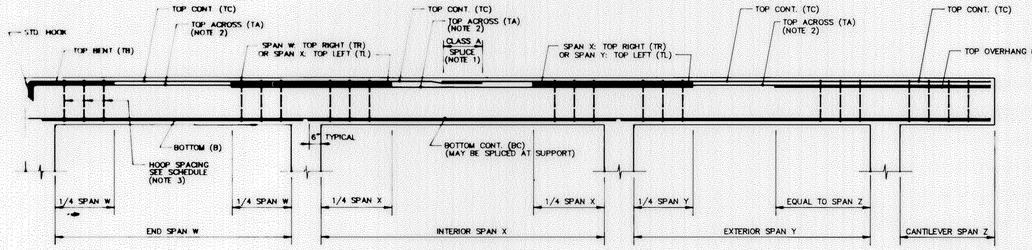
MARK	SIZE	VERT. BARS	HOR. TIES
1	72" x 72"	64#11*	Set 8# 4 @ 18"
2	60" x 60"	48#11*	Set 7#4 @ 18"
~~3~~	~~18" dia.~~	~~12#8 *~~	~~#4 @ 18"~~
~~4~~	~~40" dia.~~	~~30#11*~~	~~#5 @ 3"~~
~~5~~	~~66" dia.~~	~~36#11*~~	~~#5 @ 18"~~
6	12" x 17"	4#8	#3 @ 12"
7	8" x 16" x 16"	6#6	Set 2#3 @ 8"
8	12" x 12"	4#6	#3 @ 12"
9	8" x 12"	4#6	#3 @ 8"
10	8" x 12"	4#5	#3 @ 8"
11	8" x 16"	4#6	#3 @ 8"
12	12" x 24"	4#8	#3 @ 12"
13	60" x 60"	24#11*	Set 6 #4 @ 18"
14	8" x 14"	4#6	#3 @ 8"
15	TYPE III LIGHT POLE 54'-6" MIN.LG / 12'-6" BELOW GROUND		

Note: * = Provide full mechanical connection at splices capable of developing in tension and compression at least 125% of the specified yield strength (60 ksi.) of the bar. Stagger splices at least 24" apart.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
WF1-8	1'-8" W x 10" D x Cont.	2#5 Bott. cont.
WF2-0	2'-0" W x 12" D x Cont.	3#5 Bott. cont. #3 @ 12" Bott. trans.
WF2-6	2'-6" W x 12" D x Cont.	3#5 Bott. cont. #3 @ 12" Bott. trans.
F3-6	3'-6" x 3'-6" x 1'-0"	4#4 Bott. each way
F4-0	4'-0" x 4'-0" x 1'-0"	4#5 Bott. each way
F4-6	4'-6" x 4'-6" x 1'-0"	4#5 Bott. each way
F5-0	5'-0" x 5'-0" x 1'-0"	5#5 Bott. each way
F5-6	5'-6" x 5'-6" x 1'-1"	6#5 Bott. each way
F6-0	6'-0" x 6'-0" x 1'-2"	7#5 Bott. each way
F7-0	7'-0" x 7'-0" x 1'-5"	6#6 Bott. each way

Note: W = wide, D = deep
Cont. = continuous, Trans. = transverse.



TYPICAL BENDING DIAGRAM FOR BEAMS

NO SCALE

NOTES:
1. TOP CONTINUOUS BARS MAY BE SPLICED AT MIDSPAN.
2. TA BARS (TOP BARS ACROSS SUPPORTS) SHALL BE VERTICALLY BUNDLED AT SUPPORTS.
3. HOOP SPACING SHALL COMMENCE WITH A HOOP AT HALF SPACE FROM FACE OF SUPPORT.
4. CONCRETE COVER SHALL BE 1 1/2" CLEAR OVER HOOPS EXCEPT AT SURFACES EXPOSED TO EARTH OR WEATHER WHERE COVER SHALL BE 2" CLEAR FOR #6 BARS AND LARGER.

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
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CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

NO.	DATE	REVISIONS DESCRIPTION
1	2/27/92	COL'N. SCHEDULE REV'D.

REVISIONS ONLY APPROVED BY

PROJECT NO. 12469

DATE OCT. 28, 1991

DRAWN | CHECKED | ISSUED

SHEET TITLE

CATEGORY | SUBCATEGORY | SHEET
S-9 R

STRUCTURAL NOTES

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DESIGN CRITERIA

The structure has been designed in accordance with the requirements of the South Florida Building Code to sustain the following superimposed loads :-

Plaza live load ..... 100 psf
Stairs live load ..... 100 psf
Roof live load ..... 30 psf
Design wind velocity ..... 120 mph

CONCRETE

Concrete mixes shall be designed by an approved testing laboratory in accordance with the requirements of ASTM C94-86a and ACI 318-89 to achieve 28-day compressive strengths as stated below :-

Beams, columns, retaining walls, slabs:	4000 psi.
Risers and slab on grade:	4000 psi.
Pile caps and footings:	3000 psi.

The mix design for each class of concrete shall be submitted for review prior to placing.

No water beyond that shown in the mix design may be added at the site. The elapsed time from the first contact of water with cement to the deposit of the concrete in its final position shall not exceed 90 minutes. Any concrete which cannot be deposited within such a time shall be discarded. The testing laboratory shall state in its report any non-compliance with the provisions of this paragraph.

Concrete may contain water-reducing and retarding admixtures conforming to ASTM C494-86 and/or an air entraining admixture conforming to ASTM C260-86. Placing, finishing and curing shall meet all the requirements of ACI 301-84. Curing compounds shall comply with ASTM C309-81.

CONCRETE TESTS

Concrete compressive strength test samples shall be obtained and tested by an approved testing laboratory in accordance with the requirements of Section 16.3.4 of ACI 301-84 except that a set of five cylinders shall be made for every 50 cubic yards or fraction thereof of concrete placed per day: one to be tested at the proposed time of stripping, one at 7 days, two at 28 days, and one retained for subsequent testing in the event that the 28-day test fails to meet the specified strength requirement.

REINFORCING STEEL

Concrete reinforcing bars shall conform to ASTM A615-86 Grade 60, free from oil, loose scale and rust and shall be fabricated and placed in accordance with the bending diagrams on these drawings and with the standards of ACI 315-80. Welded wire fabric shall conform to ASTM A185-85. Shop drawings shall be submitted for review prior to commencement of fabrication.

FORMWORK

The design, erection and removal of formwork including shoring shall meet the specifications of ACI 301-89 and the recommendations of ACI 347R-88. Formwork to the soffits of elevated structural elements such as beams, joists and slabs shall not be removed until the supported concrete has reached at least two-thirds of its specified 28-day compressive strength.

PRESTRESSED CONCRETE JOIST SYSTEM

Unless otherwise indicated, floor and roof decks shall be 3" thick composite concrete slabs reinforced with #3 bars at 12" c-c each way at mid-depth over prestressed concrete joists with maximum depths and spacings as shown on the drawings. The ends of the joists shall extend 3" into the supporting beams. Beams prefixed SB- shall have precast-prestressed concrete beam soffits furnished with positive reinforcing and stirrups to resist the moments and shears indicated in the beam schedule. Stirrups may be cut within the middle eighth of the span to facilitate placing of top reinforcing provided that a drop-in stirrup is furnished for each cut stirrup. The prestressed concrete joist system shall be designed in accordance with the requirements of ACI 318-89 to sustain the self weight of the members including topping and the following superimposed loads :-

Plaza deck live load ... 100 psf
dead load ..... 28 psf
Roof live load ..... 30 psf
dead load ..... 29 psf

The design shall be prepared under the supervision of an engineer registered in the State of Florida in strict conformance to all applicable codes. Sealed shop drawings shall be submitted for review prior to commencement of fabrication.

MASONRY

Concrete masonry units shall have a nominal thickness of 8" unless otherwise shown on these drawings and shall comply with the specifications of ASTM C90-85, Grade N, Type I. Mortar shall conform to ASTM C270-86b, Type M (2500 psi). Dur-O-Wal or equal 9 ga. truss type horizontal reinforcement shall be provided at every third course. Where concrete columns are cast before masonry units are laid, dovetail slots with anchors at every third course shall be provided. Cells adjacent to openings and free ends of walls and reinforced cells shall be filled with pea-gravel concrete in maximum lifts of 4 feet.

LINTELS

Precast or poured-in-place reinforced concrete lintels shall be provided across masonry openings as follows :-

Spans up to 6 ft. :
8" wide x 8" deep with 2#5 bottom
Spans greater than 6 ft. but less than 12 ft. :
8" wide x 16" deep with 2#5 top & bottom

Minimum bearing shall be 8" at each end. Where the lintel abuts a concrete column, the lintel shall be cast integrally with the column with 2#5 added top bars.

STRUCTURAL STEEL

Structural steel shall conform to the following ASTM designations except where noted in these drawings :-

Shapes, plates and bars : A36-87
Pipes : A501-84
Tubes : A500-84, Grade B
Anchor bolts : A36-87
Machine bolts : A307-86a

Welds shall conform to AWS A5.1-81, E-70XX Electrode.

All steel shall receive one shop coat and a field touch-up of red oxide primer or equal except where galvanizing is required on these drawings. Fabrication, painting and erection shall comply with the provisions of the 1989 AISC Specification for Structural Steel Buildings - Allowable Stress Design and Plastic Design. Shop drawings shall be submitted for review prior to commencement of fabrication.

TENSION STRUCTURE

The design and detailing of the tension structure shall be prepared under the supervision of an engineer registered in the State of Florida in strict conformance to all applicable codes. Sealed shop drawings and calculations shall be submitted for review prior to commencement of fabrication and prior to installation of pile foundations.

SOIL COMPACTION

The foundations have been designed for an allowable soil bearing pressure of 2500 psf.

Topsoil to a minimum depth of one foot and all organic and deleterious materials shall be removed from the entire area covered by the building and five feet beyond building lines. Clean, well-graded granular fill meeting the requirements of ASTM D2487-85, Classification SW shall be placed up to finished grade in lifts not exceeding 12" thick. The subgrade and each lift of fill material shall be mechanically compacted to 98% of the Modified Proctor Density as determined in accordance with ASTM D1557-78.

Compliance with the compaction requirement for the subgrade and each lift of fill material shall be verified by tests performed by an approved soils testing laboratory.

AUGERCAST PILES

Augercast piles shall be placed by rotating a continuous-flight hollow-shaft auger into the ground to a pre-determined pile depth. While the auger is withdrawn, high-strength mortar shall be pumped to fill the hole with sufficient pressure to avoid hole collapse and to cause lateral penetration of the mortar into soft or porous zones of the surrounding soil. Whether or not the hole is sufficiently stable to retain its shape without support from the earth-filled auger, a head of at least several feet of mortar above the injection point shall be carried around the perimeter of the auger flighting at all times during the withdrawal of the auger so that the high-strength mortar has a displacing action removing any loose material from the hole.

The high-strength mortar shall consist of portland cement, fluidifier, sand and water so proportioned as to provide a hardened mortar having an ultimate compressive strength of 4000 psi. at 28 days. The mortar mix shall be tested by making one set of 2" cubes for each day during which augercast piles are placed. A set of cubes shall consist of 2 cubes to be tested at 7 days and 2 cubes to be tested at 28 days. The test cubes shall be made and tested in accordance with ASTM C109-86, except that the mortar should be restrained from expansion by a top plate.

The piles shall be installed within 1 1/2 inches of the locations shown on the drawings and shall be capable of sustaining the pile loads indicated. Upon completion of the installation, the piling contractor shall provide a certification sealed by a geotechnical engineer registered in the State of Florida that the design capacities of the piles have been met.

The Contractor shall provide for one compression and one tension load test to be performed in accordance with the requirements of ASTM D1143-81 and ASTM D3689-83 prior to commencement of pile installation.

BEAM SCHEDULE

MARK	TOP ELEVATION	SIZE Width x Depth	REINFORCING Bott.	REINFORCING Top	HOOP SPACING
RB-1	+21'-0"	24" x 36"	4#8	2#9TA 2#7TB	2#3 @ 16" T/O
RB-2	+21'-0"	24" x 36"	4#9	2#10TA 2#8TB	2#3 @ 16" T/O
RB-3	+21'-0"	24" x 36"	3#9	2#9TA 1#7TB	#3 @ 16" T/O
RB-4	+21'-0"	24" x 36"	3#9	3#8TC	#3 @ 16" T/O
RB-5	+21'-0"	12" x 36"	3#8	2#6TC 1#6TB	#3 @ 12" T/O
RB-6	+16'-0"	12" x 24"	2#7	2#6TC	#3 @ 10" T/O
RB-7	+21'-0"	12" x 32"	2#8	2#6TC	#3 @ 12" T/O
RB-8	+21'-0"	8" x 24" max	2#6	2#5TC	#3 @ 16" T/O
RTB-1	+21'-0"	8" x 21"	2#5	2#5TC	
RTB-2	See Sect. R	8" x 12" min	2#5	2#5TC	
RTB-3	+20'-0"	8" x 12" min	2#5	2#5TC	
B-1	+ 6'-2"	8" x 18"	2#7	2#5TC	6#3 @ 8" EE Bal. @ 12"
B-2	See Plan	16" x 32"	3#8	3#6TC	#3 @ 12" T/O
B-3	See Plan	16" x 32" See Note 2	4#11	3#9TC	#3 @ 12" T/O
B-4	+11'-1 1/4"	24" x 32"	5#11	4#8TC	10 pr.#3 @ 7" EE Bal. #3 @ 12"
B-5	+11'-7 3/4"	12" x 24"	2#6	2#6TC	#3 @ 10" T/O
B-6	+ 5'-4"	8" x 16"	2#5	2#5TC	#3 @ 12" T/O
TB-1	See Plan	8" x 20" min	2#5	2#5TC	
TB-2	+ 6'-2"	8" x 18"	2#5	2#5TC	
TB-3	See Plan	8" x 12" min	2#5	2#5TC	
TB-4	See Plan	8" x 32" min	2#5	2#5TC	
TB-5	See Plan	8" x 12" min	2#5	2#5TC	
TB-6	See Plan	8" x 12" min	2#5	2#5TC	
TB-7	See Sect. S	8" x 12" min	2#5	2#5TC	

Notes: 1. EE = each end, T/O = throughout.
2. Provide 1 1/2" upward camber at midspan.
3. All TB reinforcing shall be continuous. Provide corner bars 18" each leg.

COLUMN SCHEDULE

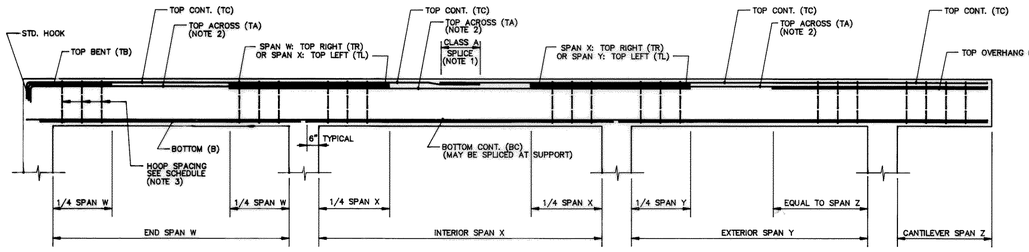
MARK	SIZE	VERT. BARS	HOR. TIES
1	72" x 144" x 192"	128#11*	Set 20#5 @ 18"
2	48" x 48"	44#11*	Set 7#4 @ 18"
3	40" dia.	12#8 *	#4 @ 18"
4	40" dia.	30#11*	#5 @ 9"
5	66" dia.	36#11*	#5 @ 18"
6	12" x 17"	4#8	#3 @ 12"
7	8" x 16" x 16"	6#6	Set 2#3 @ 8"
8	12" x 12"	4#6	#3 @ 12"
9	8" x 12"	4#6	#3 @ 8"
10	8" x 12"	4#5	#3 @ 8"
11	8" x 16"	4#6	#3 @ 8"
12	12" x 24"	4#8	#3 @ 12"
13	48" x 120" x 120"	60#11*	Set 12#4 @ 18"
14	8" x 14"	4#5	#3 @ 8"

Note: * = Provide full mechanical connection at splices capable of developing in tension and compression at least 125% of the specified yield strength (60 ksi.) of the bar. Stagger splices at least 24" apart.

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
WF1-8	1'-8" W x 10" D x Cont.	2#5 Bott. cont.
WF2-0	2'-0" W x 12" D x Cont.	3#5 Bott. cont. #3 @ 12" Bott. trans.
WF2-6	2'-6" W x 12" D x Cont.	3#5 Bott. cont. #3 @ 12" Bott. trans.
F3-6	3'-6" x 3'-6" x 1'-0"	4#4 Bott. each way
F4-0	4'-0" x 4'-0" x 1'-0"	4#5 Bott. each way
F4-6	4'-6" x 4'-6" x 1'-0"	4#5 Bott. each way
F5-0	5'-0" x 5'-0" x 1'-0"	5#5 Bott. each way
F5-6	5'-6" x 5'-6" x 1'-1"	6#5 Bott. each way
F6-0	6'-0" x 6'-0" x 1'-2"	7#5 Bott. each way
F7-0	7'-0" x 7'-0" x 1'-5"	6#6 Bott. each way

Note: W = wide, D = deep
Cont. = continuous, Trans. = transverse.



TYPICAL BENDING DIAGRAM FOR BEAMS

NO SCALE

NOTES:
1. TOP CONTINUOUS BARS MAY BE SPLICED AT MIDSPAN.
2. TA BARS (TOP BARS ACROSS SUPPORTS) SHALL BE VERTICALLY BUNDLED AT SUPPORTS.
3. HOOP SPACING SHALL COMMENCE WITH A HOOP AT HALF SPACE FROM FACE OF SUPPORT.
4. CONCRETE COVER SHALL BE 1 1/2" CLEAR OVER HOOPS EXCEPT AT SURFACES EXPOSED TO EARTH OR WEATHER WHERE COVER SHALL BE 2" CLEAR FOR #6 BARS AND LARGER.

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS
6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

NO.	DATE	DESCRIPTION
REVISIONS		

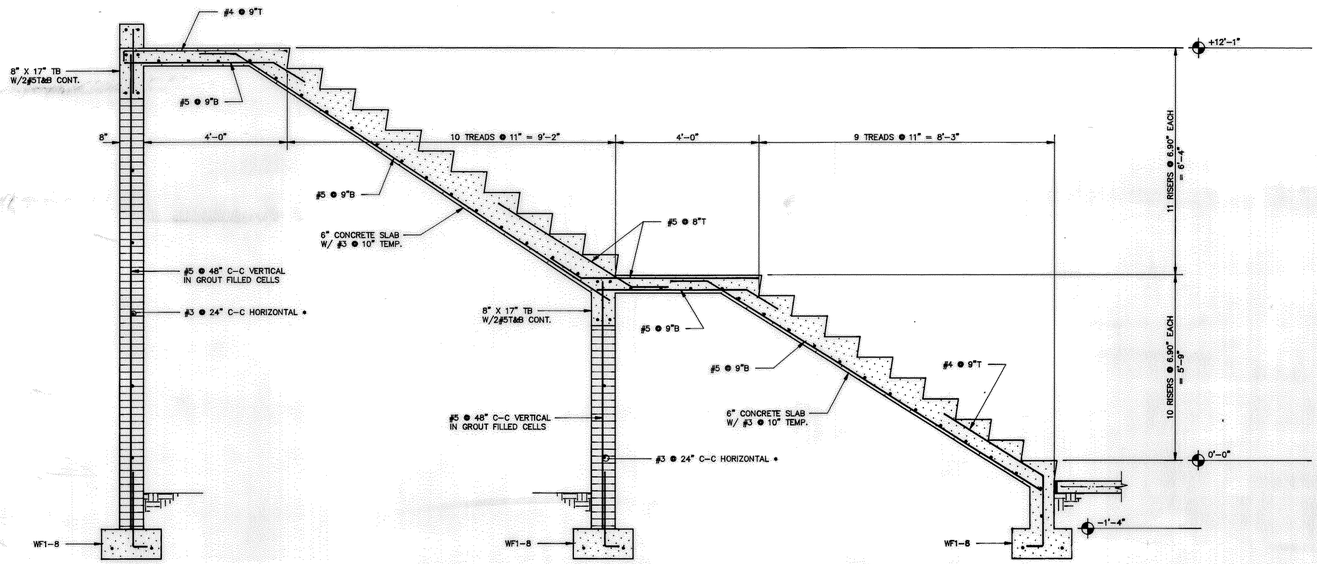
PROJECT NO. 12469

DATE: OCT. 28, 1991

DRAWN | CHECKED | ISSUED

SHEET TITLE

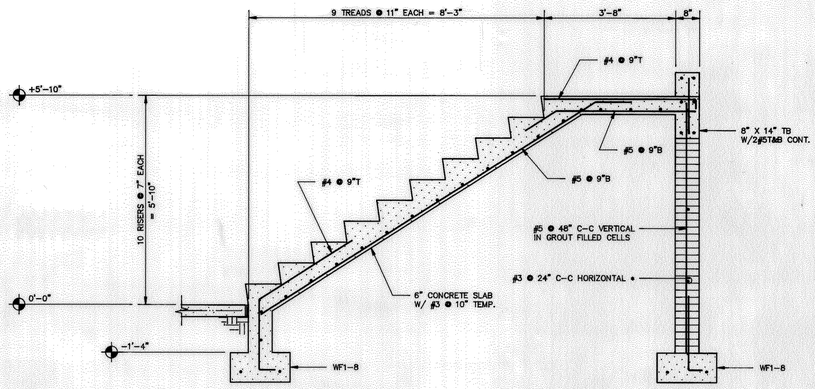
CATEGORY | SUBCATEGORY-- | SHEET: S-9



SECTION V

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

NOTE: * DRILL 5" DEEP INTO RETAINING WALL AND EPOXY GROUT #3 X 1'-8" DOWELS SPLICED TO EACH HORIZONTAL BAR.



SECTION Y

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

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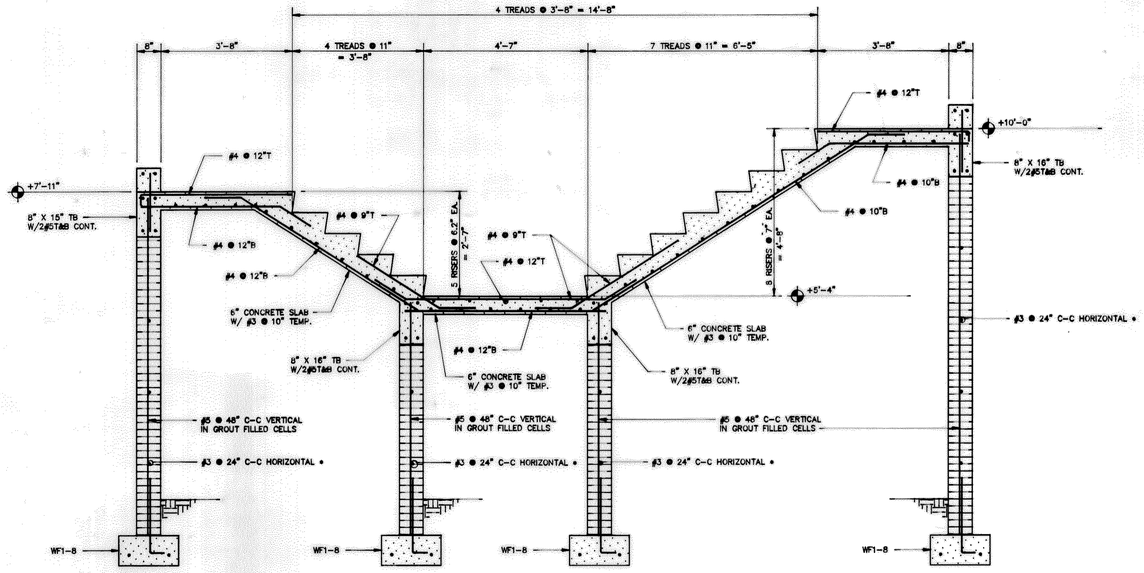
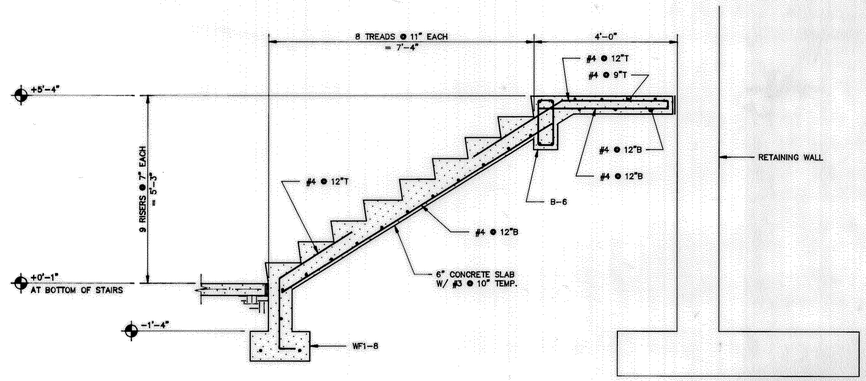


SECTION W

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

NOTE: * DRILL 5" DEEP INTO RETAINING WALL AND EPOXY GROUT #3 X 1'-8" DOWELS SPLICED TO EACH HORIZONTAL BAR.



SECTION X

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

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
PHONE: (305)776-1616

ARCHITECTURE
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FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

CITY OF POMPANO BEACH

MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

REVISIONS

NO.	DATE	DESCRIPTION

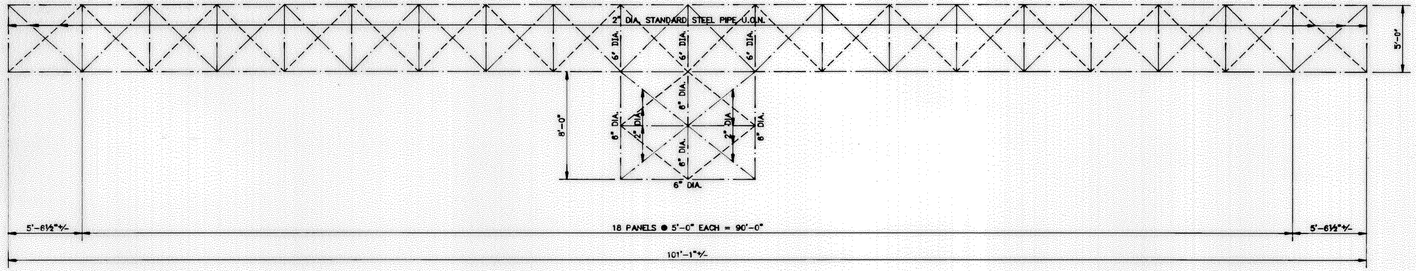
PROJECT NO. 12469

DATE MAY 28, 1991

DRAWN	CHECKED	ISSUED

SHEET TITLE

CATEGORY	SUBCATEGORY	SHEET
		S-10



PLAN VIEW OF TRUSS

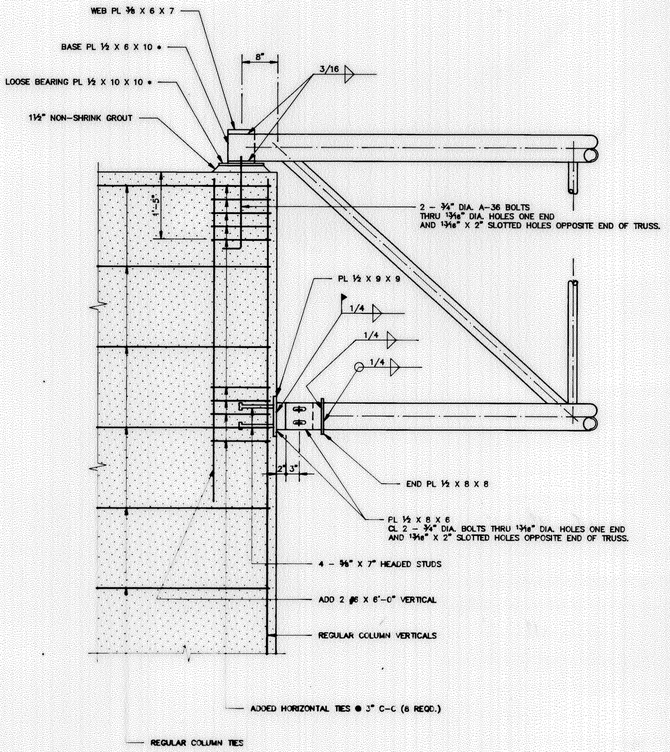
SCALE: 3/16" = 1'-0"

– – – – – REVERSED DIRECTION OF BOTTOM PLANE DIAGONALS

TRUSS ELEVATION

SCALE: 3/16" = 1'-0"

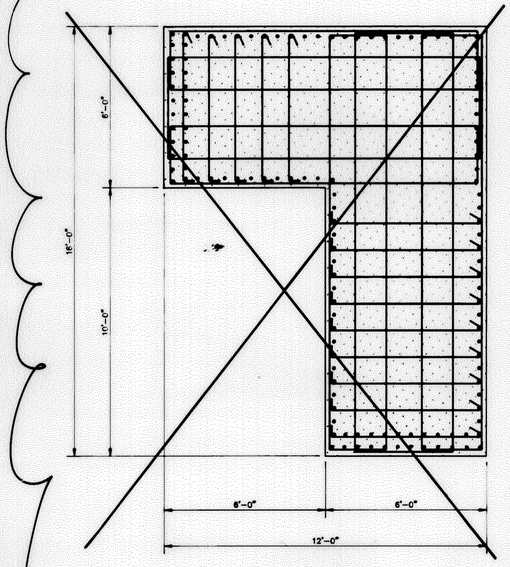
NOTE: ALL VERTICAL AND DIAGONAL MEMBERS ARE 3" DIA. STANDARD STEEL PIPE UNLESS OTHERWISE NOTED.



TYPICAL TRUSS BEARING (4 REQD.)

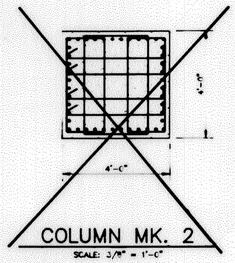
SCALE: 3/4" = 1'-0"

* NOTE: COAT CONTACT BEARING SURFACES WITH FLUOROGOLD AT END OF TRUSSES WITH SLOTTED HOLES.



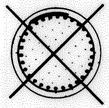
COLUMN MK. 1

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



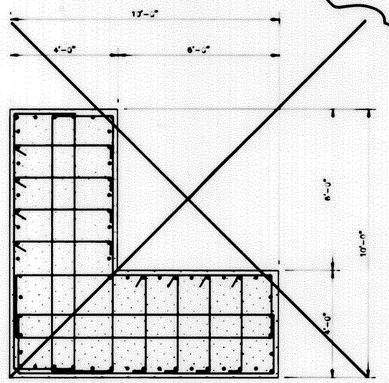
COLUMN MK. 2

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



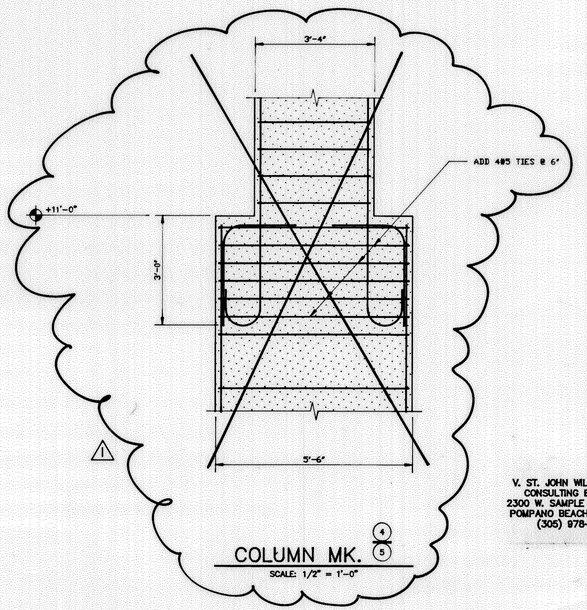
COLUMN MK. 4
COLUMN MK. 3 & 5 SIMILAR

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



COLUMN MK. 13

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



COLUMN MK. 4/5

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

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

Keith & Schnars, P.A.
LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA
ZIP CODE: 33309-2132
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ARCHITECTURE
ARCHITECT JEFF FALKANGER & ASSOC., INC.
FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
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CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

NO.	DATE	DESCRIPTION
1	2/27/92	DELETED COLN. DETAIL

REVISIONS

REVISIONS ONLY APPROVED BY

PROJECT NO. 12469

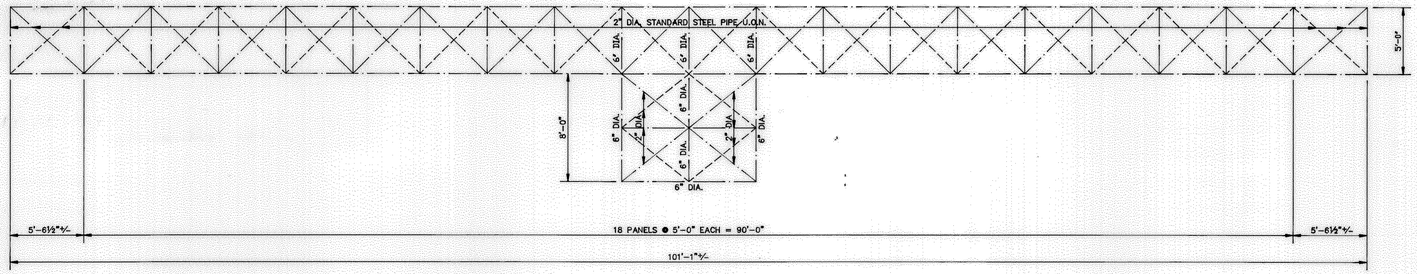
DATE OCT. 28, 1991

DRAWN | CHECKED | ISSUED

SHEET TITLE

CATEGORY | SUBCATEGORY | SHEET

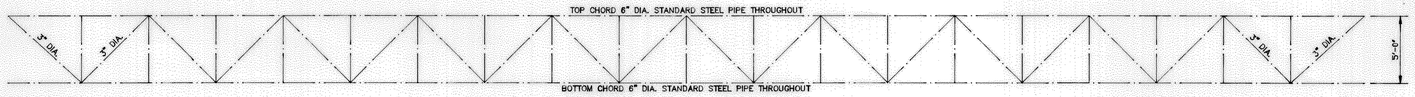
S-11R



PLAN VIEW OF TRUSS

SCALE: 3/16" = 1'-0"

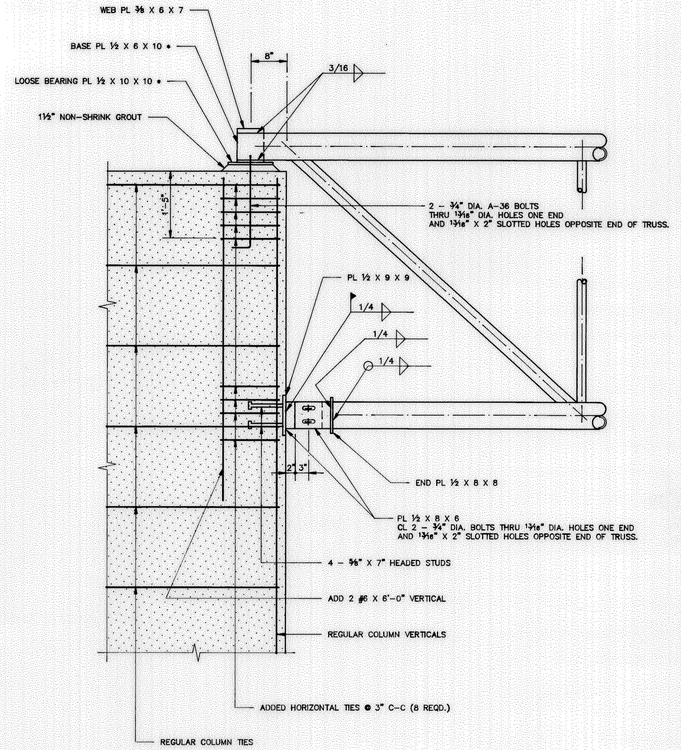
– – – – – REVERSED DIRECTION OF BOTTOM PLANE DIAGONALS



TRUSS ELEVATION

SCALE: 3/16" = 1'-0"

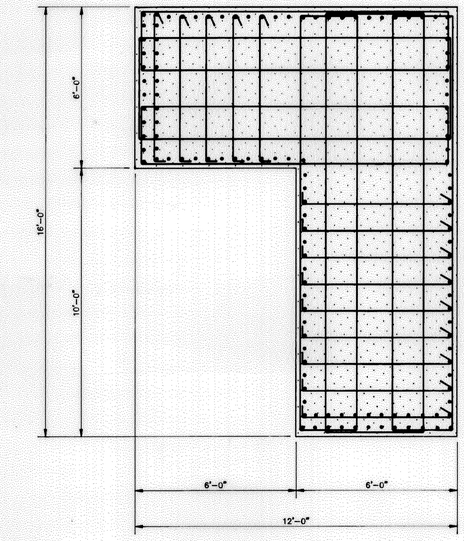
NOTE: ALL VERTICAL AND DIAGONAL MEMBERS ARE 2" DIA. STANDARD STEEL PIPE UNLESS OTHERWISE NOTED.



TYPICAL TRUSS BEARING (4 REQD.)

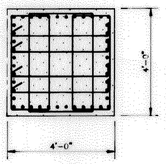
SCALE: 3/4" = 1'-0"

• NOTE: COAT CONTACT BEARING SURFACES WITH FLUOROGOLD AT END OF TRUSSES WITH SLOTTED HOLES.



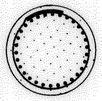
COLUMN MK. 1

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



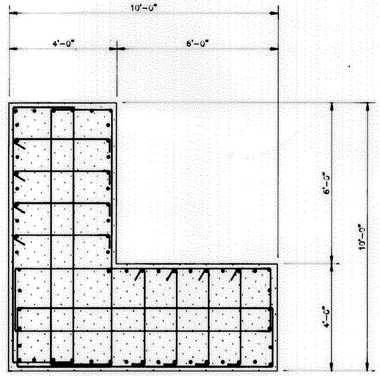
COLUMN MK. 2

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



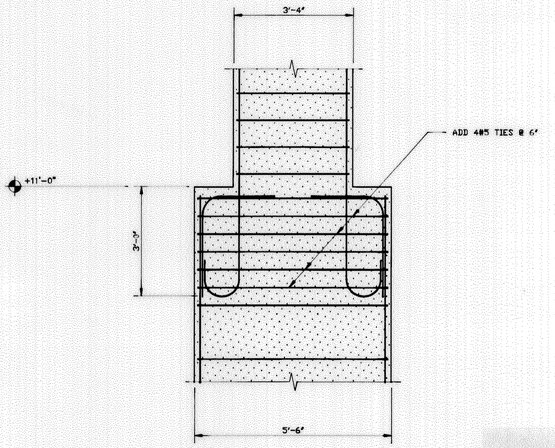
COLUMN MK. 4
COLUMN MK. 3 & 5 SIMILAR

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



COLUMN MK. 13

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



COLUMN MK. (4)(5)

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

V. ST. JOHN WILLIAMS, P.E.
CONSULTING ENGINEER
2300 W. SAMPLE ROAD, #214
POMPANO BEACH, FL 33073
(305) 978-6218

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LANDSCAPE ARCHITECTS
ENGINNERS
PLANNERS
SURVEYORS

6500 NORTH ANDREWS AVENUE
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ARCHITECTURE
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FT. LAUDERDALE, FLORIDA

ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
TODD W. CAREY & ASSOC., INC.
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CITY OF POMPANO BEACH
MAJOR PARKS RENOVATIONS

POMPANO COMMUNITY PARK AMPHITHEATER

NO.	DATE	DESCRIPTION

PROJECT NO. 12469

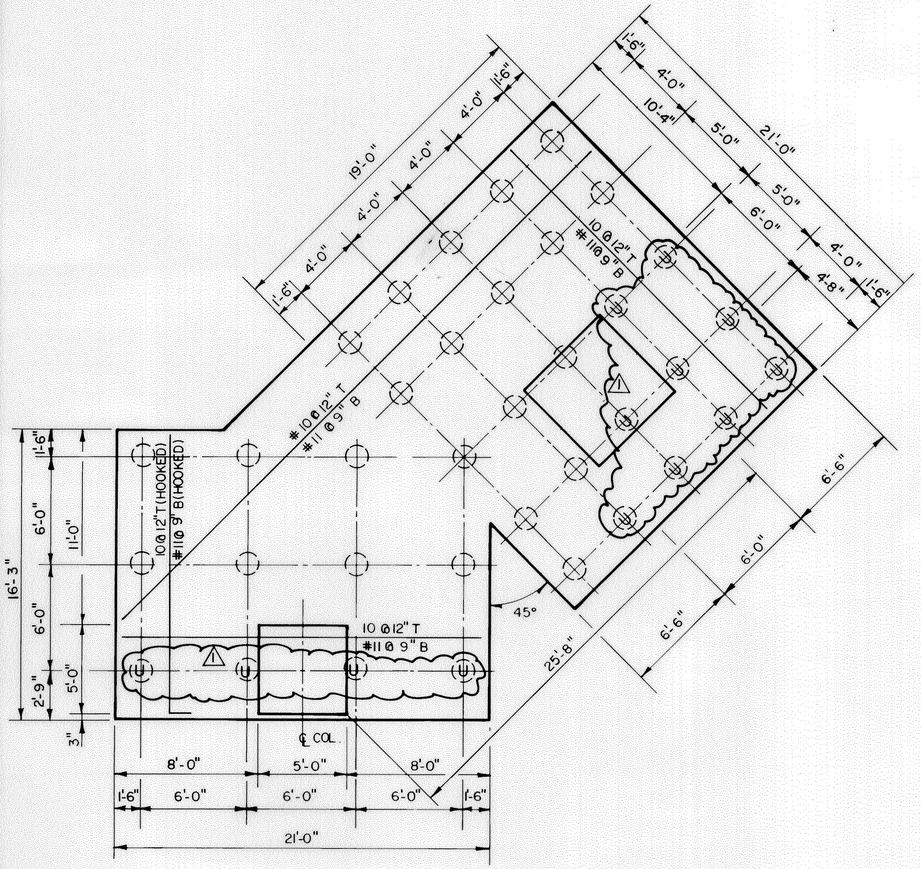
DATE: OCT. 28, 1991

DRAWN | CHECKED | ISSUED

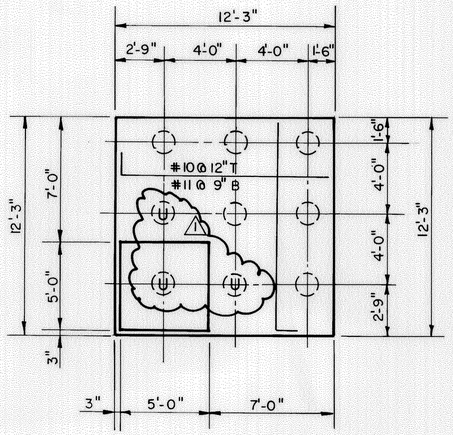
SHEET TITLE

DATE COMP. | SUBST. COMP. | SHEET

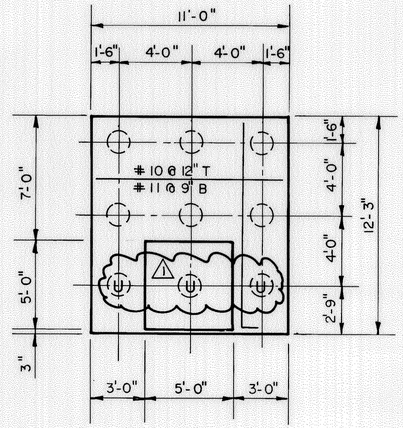
S-11



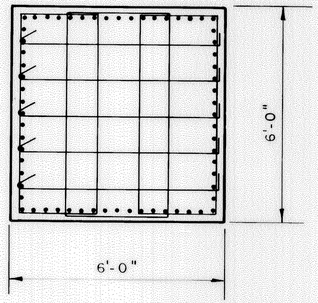
36PC
THICKNESS = 60"



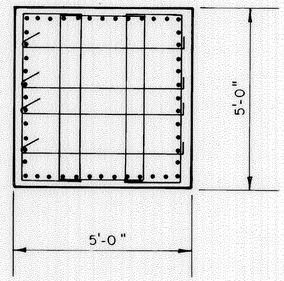
9PC-A
THICKNESS = 60"



9PC-B
THICKNESS = 60"



COLUMN MK. 1
SCALE: 1/2" = 1'-0"



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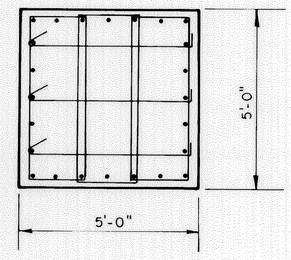

COLUMN MK. 13
SCALE: 1/2" = 1'-0"

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MAJOR PARKS RENOVATIONS
POMPANO COMMUNITY PARK
AMPHITHEATER

NO.	DATE	DESCRIPTION
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REVISIONS

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DATE FEB. , 1992
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SHEET TITLE

CATEGORY | SUBCATEGORY | SHEET
S-12