

PROJECT MANUAL FOR:

**HOLLYWOOD POLICE BUILDING
ROOF REPLACEMENT**



PROJECT NO. POL 14-005

CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION

2600 HOLLYWOOD BLVD.
HOLLYWOOD, FL 33022



**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION**

NOTICE TO BIDDERS

THIS PACKAGE CONTAINS:

NOTICE OF IMPOSITION OF CONE OF SILENCE

NOTICE TO ALL BIDDERS AND PROPOSERS

NOTICE TO BIDDERS

INSTRUCTIONS TO BIDDERS

PROPOSAL, INCLUDING BID FORM

APPROVED BID BOND

INFORMATION REQUIRED OF BIDDERS

EXHIBITS:

- A. Local Preference
- B. Cone of Silence

SUBMIT THIS COMPLETE PACKAGE WITH YOUR BID IN DUPLICATE



NOTICE OF IMPOSITION OF CONE OF SILENCE

On May 8, 2014, the City of Hollywood, FL Department of Public Works – Engineering and Architectural Services Division issued the following:

HOLLYWOOD POLICE BUILDING ROOF REPLACEMENT PROJECT # POL 14-005

This project on the roof above the fourth floor of the Police Building is to tear off and properly dispose of existing roofing, insulation, flashings and perimeter metal. Install new roof insulation as specified. Install first ply sheet as specified. Install cap sheet as specified. Install new flashing as specified. Install new surface mount counter flashing, lead stack flashing and other metal components as specified. Provide manufacturer's warranty as specified.

Pursuant to Section 30.15(E) of the Code of Ordinances, a Cone of Silence has been imposed on the items set forth above. The Cone of Silence will continue until the City awards or approves a contract, votes to reject all bids or responses, or otherwise takes action which ends the solicitation. If the City Commission refers the item back to the City Manager and staff for further review, the Cone of Silence shall remain in effect until an award is made, a contract is approved, or the City Commission takes any other action which ends the solicitation.

cc: City Commission Office
City Manager
City Clerk (sunshine board)
Affected department(s)/office(s)

The following are to be copied by email only:

Matthew Lalla
Maria Kong
Joel Wasserman
Sheila Allen
Denis Orozco
Lorna Bailey

NOTICE TO ALL BIDDERS AND PROPOSERS

The City of Hollywood City Commission adopted by Ordinance No. O-2007-05, which created Section 30.15(E) imposing a Cone of Silence for certain City procurement.

"Cone of Silence" means a prohibition on any communication regarding a particular Request for Proposals (RFP), Request for Qualifications (RFQ), Request for Letters of Interest (RLI), bid or other competitive solicitation governed by Section 38.40 of the Code of Ordinances between: any person who seeks an award therefore, including a potential vendor or vendor's representative, and any member of the City Commission, all other city employees, and any non-employee appointed to evaluate or recommend selection in such procurement process.

"Vendor's representative" means an employee, partner, officer, or director of a potential vendor, or consultant, Lobbyist, or actual or potential subcontractor or sub-consultant of a vendor.

The Cone of Silence shall terminate at the time the City awards or approves a contract, votes to reject all bids or responses, or otherwise takes action which ends the solicitation. If the City Commission refers the item back to the City Manager and staff for further review, the Cone of Silence shall remain in effect until an award is made, a contract is approved, or the City Commission takes any other action which ends the solicitation.

A full copy of Section 30.15(E) is attached to the bid document for your review. If you have any questions, please contact the name listed in the attached bid document.

NOTICE TO ALL BIDDERS AND PROPOSERS

Local Preference: Pursuant to §38.50 of the City of Hollywood Code of Ordinances, the City shall grant a preference to Hollywood vendors if their initial bid is within 5% of the bid of the lowest responsive responsible bidder that is a non-local Hollywood vendor. The preference shall allow the local Hollywood vendor to submit a second and final offer which must be at least 1% less than the bid of the lowest responsive responsible bidder non-local Hollywood vendor to be awarded. The local Hollywood vendor shall have the burden of demonstrating that it maintains a permanent place of business with full-time employees within the City limits and has done so for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation within Hollywood, Florida. All supporting documentation (e.g. City of Hollywood valid local business tax receipt) for local preference eligibility must be received with the bid package prior to the bid opening date and time.

For questions or additional information regarding Program compliance, please contact:

Joel Wasserman, Director
Procurement Services
2600 Hollywood Boulevard, Room 303
Hollywood, FL 33022-9045
Phone: (954) 921-3290
Fax: (954) 921-3086



**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION**

NOTICE TO BIDDERS

PROJECT NAME: HOLLYWOOD POLICE BUILDING
ROOF REPLACEMENT

PROJECT NUMBER: POL 14-005

NOTICE IS HEREBY GIVEN that the City Commission of the City of Hollywood, Florida, is advertising for sealed bids which shall be **submitted to the City Clerk's Office** (City Hall, 2600 Hollywood Boulevard, Room 221) of the City of Hollywood, Florida, **until Friday, May 30, 2014 at 10:00 a.m.**, local time, at which time they will be opened and read publicly in the Department of Public Works, Engineering & Architectural Services Division Conference Room at 2600 Hollywood Boulevard – Room 308, Hollywood, Florida.

There will be a mandatory Pre-Bid Meeting on Thursday, May 22, 2014 at 9:00 A.M. at the Hollywood Police Department Building. The building is located at 3250 Hollywood Boulevard, Hollywood, FL 33020.

The Bid Package and any other Contract documents may be obtained from the Department of Public Works, Engineering & Architectural Services Division at 2600 Hollywood Boulevard in Hollywood. The first copy to all eligible bidders will be provided at no cost. Additional copies will be furnished upon request for a nominal fee. The contract documents and drawings can also be downloaded at <http://www.hollywoodfl.org/Bids.aspx>.

A Cone of Silence is in effect with respect to this bid. The Cone of Silence prohibits certain communications between potential vendors and the City. For further information, please refer to Section 30.15(E) of the City's Code of Ordinances.

It will be the sole responsibility of the Bidder to deliver personally or by mail, his/her proposal to the City Clerk's Office at City Hall on or before the closing hour and date for the receipt of bids as noted above.

The City Commission reserves the right to reject any or all bids, to waive informalities and to accept or reject all or any part of any bid, as they may deem to be in the best interest of the City of Hollywood, Florida.

Dated this 8th Day of May 2014

CITY OF HOLLYWOOD, FLORIDA

Jonathan Vogt, Deputy Director/City Engineer
Department of Public Works

INSTRUCTIONS TO BIDDERS

1. PREPARATION OF BIDS:

Bids must be submitted on the attached Proposal, which shall be completed in ink or by typewriter. The Bid price of each item on the form must be stated in words and numerals; in case of a conflict, words will take precedence. Where unit prices and extended totals are required, unit prices take precedence. Likewise, discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

If the Bid is made by an individual, he must sign his name therein and state his address. If the Bid is made by a firm or partnership, its name and address must be stated, as well as the name and address of each member of the firm or partnership. Bids by corporations must be signed by an authorized corporate officer (accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the Secretary or an Assistant Secretary of the corporation. The corporate address and state of incorporation shall be shown below the signature. When the state of incorporation is other than Florida, proof of registry with Florida must be attached.

2. RECEIPT AND OPENING OF BIDS:

The Proposal and the Bid Guarantee, as assembled herein, must be delivered in a sealed, opaque envelope, addressed to the City Clerk of Hollywood, Florida, by the time called for in the Notice to Bidders and shall be properly identified on the face thereof.

Proposals will be publicly opened and immediately read aloud at the time and place designated in the Notice to Bidders. No Proposal will be considered which is not based upon these Drawings and Specifications, or which contains any letter or written memorandum qualifying the same, or which is not properly made out and signed in writing by the Bidder.

3. CONTRACT DOCUMENTS:

The Contract Documents give the location and description of the work to be done under this Contract and estimated quantities of each item of work for which Bids are invited, the time in which the work must be completed, the amount of the Bid Guaranty, if any, and the date, time and place of the receipt and opening of the Bids.

4. EXAMINATION OF CONTRACT DOCUMENTS AND SITE:

The bidder is required to carefully examine the site of the work and the contract documents for the work contemplated. It will be assumed that the Bidder has investigated and is fully informed as to the requirements of the Contract Documents, laws, ordinances, codes and any other factors which may affect the performance of the work. Failure to be so informed will not relieve a successful Bidder of his obligation to furnish all material, equipment and labor necessary to carry out the provision of the Contract Documents and to complete the contemplated work for the consideration set forth in his Bid.

5. DIMENSIONS, QUANTITIES AND SUBSURFACE INFORMATION:

Dimensions, quantities and subsurface information supplied by the City are in no way warranted to indicate true amounts or conditions. Bidders/Contractors shall neither plead misunderstanding or deception, nor make claims against City if the actual amounts, conditions or dimensions do not conform to those stated. Any "Outside" reports made available by the Engineer are neither guaranteed as to accuracy or completeness, nor a part of the Contract Documents.

6. ADDENDA - CHANGES WHILE BIDDING:

During the Bidding period, Bidders may be furnished addenda or bulletins for additions or alterations to the Plans or Specifications which shall be included in the work covered by the Proposal.

Any prospective Bidder in doubt as to the meaning of any part of the Drawings, Specifications or other Contract Documents may submit a written request to the Project Manager for an interpretation. The Bidder submitting the request will be responsible for its prompt delivery. Any interpretation of the documents will be made by an addendum and a copy of such addendum will be mailed or delivered to each prospective Bidder who has received a set of documents. The City will not be responsible for any other explanations or interpretations of the proposed documents.

7. BID GUARANTY:

A Bid Guaranty in the form of a Cashier's Check, Certified Check or Bid Bond executed by the Bidder and a qualified Surety in the amount of 10% of the Bid **WILL BE** required for this project in accordance with the Notice to Bidders.

8. QUALIFICATIONS AND DISQUALIFICATIONS OF BIDDERS:

The Contract will be awarded only to a Bidder, who in the opinion of the Engineer is fully qualified to undertake the work. The City reserves the right before awarding the Contract to require a Bidder to submit such evidence of his qualifications as it may deem necessary and may consider any available evidence of his financial

status, technical qualifications and other qualifications and abilities. Any one of the following causes, among others, may be considered as sufficient justification to disqualify a Bidder and reject his Bid:

- A. Submission of more than one Bid for the same work by an individual, firm, partnership or corporation under the same or different names.
- B. Evidence of collusion.
- C. Previous participation in collusive Bidding on work for the City of Hollywood, Florida.
- D. Submission of an unbalanced Bid in which the prices Bid for some items are out of proportion to the prices Bid for other items.
- E. Lack of competency. The Engineer may declare any Bidder ineligible, at any time during the process of receiving Bids or awarding the Contract, if developments arise which, in his opinion, adversely affects the Bidder's responsibility. The Bidder will be given an opportunity, by the Engineer, to present additional evidence before final action is taken.
- F. Lack of responsibility as shown by past work judged by the Engineer from the standpoint of workmanship and progress.
- G. Uncompleted work for which the Bidder is committed by Contract, which in the judgment of the Engineer, might hinder or prevent the prompt completion of work under this Contract.
- H. Being in arrears on any existing Contracts with the City, or any taxes, licenses or other monies due the City; in litigation with the City or having defaulted on a previous contract with the City.

9. LIFE AND WITHDRAWAL OF BID:

All bids shall remain open for 60 days after the day of the Bid opening, however, the Engineer may, at his sole discretion, release any Bid and return the Bid Guaranty prior to that date. Any Bid may be modified or withdrawn prior to the time scheduled for the opening of Bids.

10. REJECTION OF IRREGULAR BIDS:

Bids will be considered irregular and may be rejected if they show omissions, alterations of form, additions not called for, conditions, limitations, unauthorized alternate Bids or other irregularities of any kind.

11. BIDDING ERRORS:

If after the opening of bids, a Bidder claims an error and requests to be relieved of the Award, or the Engineer believes that an error may have been made then, the Bidder shall present his certified work sheets and supplier quotations to the Engineer for verification. This information shall be presented on the same day as the bid opening or if the opening is in the afternoon then on the following business day. When the Engineer has suspected an error and requires the documents, failure to produce them within the time specified shall make the Bidder non-responsive and thereby disqualified. Award may then be made to the next lowest responsive, responsible Bidder, or the work may be readvertised or it may be performed by the City forces, as the Commission desires.

If after review, the Engineer is convinced that an honest, allowable (excusable mathematical) error has been made, the Bidder shall be relieved of responsibility and his Bid Guaranty shall be returned. If the Engineer is not convinced that an honest, allowable error has been made, the Bid Guaranty shall be held by the City for damages incurred.

Should the actual damages be less than the Bid Guaranty, any excess amount will be returned to the Bidder. If actual damages are greater than the Bid Guaranty, the City shall have the right to proceed against the defaulting Bidder for the additional damages. Award may be made as stated above.

12. AWARD OF CONTRACT:

The City Commission reserves the right to reject any or all Bids, or any part of any Bid, to waive any informality in any Bid, or to readvertise for all or any part of the work contemplated. If Bids are found to be acceptable by the City Commission, written notice of award will be given to the lowest responsive, responsible Bidder.

13. PREFERENCE FOR LOCAL BIDDERS:

Local Preference: Pursuant to §38.50 of the City of Hollywood Code of Ordinances, the City shall grant a preference to Hollywood vendors if their initial bid is within 5% of the bid of the lowest responsive responsible bidder that is a non-local Hollywood vendor. The preference shall allow the local Hollywood vendor to submit a second and final offer which must be at least 1% less than the bid of the lowest responsive responsible bidder non-local Hollywood vendor to be awarded. The local Hollywood vendor shall have the burden of demonstrating that it maintains a permanent place of business with full-time employees within the City limits and has done so for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation within Hollywood, Florida. All supporting documentation (e.g. City of Hollywood valid local business tax receipt) for local preference eligibility must be received with the bid package prior to the bid opening date and time.

14. NOT USED

15. EXECUTION OF CONTRACT:

The Bidder to whom the Contract is awarded shall, within ten (10) days of the date of award, execute and deliver two copies of the following to the Engineer:

- A. The Contract
- B. Performance and Payment Bond
- C. Evidence of required Insurance
- D. Proof of authority to execute the Contract
- E. Proof of authority to execute the Bond on behalf of the Awardee
- F. Subcontractor list.
- G. Proof of valid City of Hollywood Building Department Registration for the Contractor and all Sub-Contractors.

The above documents must be furnished, executed and delivered before the Contract will be executed by the City. The Contract shall not be binding upon the City until it has been executed by the City and a copy of such fully executed Contract is delivered to the Contractor.

16. FAILURE TO EXECUTE CONTRACT, BID GUARANTY FORFEITED:

Should the Bidder to whom the Contract has been awarded refuse or fail to complete the requirements of Section 15 above within ten (10) days after Notice of Award, the additional time in days (including weekends) required to CORRECTLY complete the documents will be deducted, in equal amount, from the Contract Time, or the City may elect to revoke the Award. The City shall hold the Bid Guaranty of any Bidder failing to execute the awarded Contract for consequential damages incurred, and the Contract awarded, as the Commission desires.

17. GUARANTY OF FAITHFUL PERFORMANCE AND PAYMENT:

Performance and Payment Bonds equal to the total Bid will be required of the Awardee. The Performance and Payment Bonds must be written by a Surety licensed to do business in the State of Florida. As per Florida Statute Section 255.05, the Contractor shall be required to record the payment and performance bond in the public records of Broward County.

- A. Listed in the United States Department of Treasury's Circular 750, and
- B. Rated at least "A", Class X in the latest edition of "Best's Key Rating Guide" published by A.M. Best Company.

On projects not exceeding \$500,000, a bond written by an unrated surety will be accepted provided that evidence is submitted to show full compliance with Florida State Statutes Section 287.0935.

18. INSURANCE:

Evidence of insurance must comply with the provisions of Paragraph 13.4 of the General Conditions.

19. BUILDING DEPARTMENT REGISTRATION:

The awardee and all Sub-Contractors, in order to obtain any required City of Hollywood permit, must register with the City of Hollywood Building Department. Registration must be current and in effect prior to the execution of the contract by the City of Hollywood. Registration can be obtained upon presentation of

- A. Proof of valid insurance with the City of Hollywood named as the Certificate Holder to receive notification upon insurance expiration or cancellation;
- B. An Occupational License from within the State of Florida, and
- C. Either a Broward County Central Examining Board Card (with State of Florida Registration) or State of Florida Certification.

20. BUILDING PERMITS:

The CONTRACTOR and Sub-Contractors must obtain the standard Building Department Permits as may be required by the City of Hollywood Building Department for any work covered under this Contract. The City of Hollywood shall pay all City of Hollywood permit fees including any Federal, State, and County surcharges applicable at the time that the permit is issued. The Contractor or Sub-Contractors shall be responsible for obtaining all inspections required under Section 110 of the Florida Building Code 2010.

The Contractor shall obtain all other required permits and licenses as specified in Section 1.06 of the Supplementary Conditions. Payment for all applicable permit and license fees shall be made in accordance with Section 1.06 of the Supplementary Conditions.

21. PUBLIC ENTITY CRIMES FORM:

A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids 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 section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.



**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION**

2600 Hollywood Blvd.
Hollywood, Florida 33022
Phone (954) 921-3900 Fax (954) 921-3416

**HOLLYWOOD POLICE BUILDING
ROOF REPLACEMENT**

The intent of these specifications, together with the plans and all other contract documents, is to tear off and properly dispose of existing roofing, insulation, flashings and perimeter metal on the roof above the fourth floor of the Hollywood Police Building. Install new roof insulation as specified. Install first ply sheet as specified. Install cap sheet as specified. Install new flashing as specified. Install new surface mount counter flashing, lead stack flashing and other metal components as specified. Provide manufacturer's warranty as specified.

CONTRACT INDEX

CONTRACT

SAMPLE CERTIFICATE OF INSURANCE

BID PACKAGE

GENERAL CONDITIONS

SUPPLEMENTARY CONDITIONS – TECHNICAL SPECIFICATIONS

ATTACHMENT A – ROOFING PROJECT SPECIFICATIONS

ATTACHMENT B – REDUCED PLAN AND DETAILS



**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION**

2600 Hollywood Blvd.
Hollywood, Florida 33022
Phone (954) 921-3900 Fax (954) 921-3416

CONTRACT

THIS AGREEMENT, made and entered into, this day of , AD, 20 by and between the CITY OF HOLLYWOOD, Florida, a municipal corporation of the State of Florida, party of the first part, (hereinafter sometimes called "CITY"), AND

PRECISION ROOFING

party of the second part (hereinafter sometimes called the "CONTRACTOR").

WITNESSETH: The parties hereto, for the considerations hereinafter set forth mutually agree as follows:

Article 1. Scope of Work: The CONTRACTOR shall furnish all labor, materials, and equipment and perform all work in the manner and form provided by the attached Contract Documents, for the construction of:

**HOLLYWOOD POLICE BUILDING
ROOF REPLACEMENT**

Article 2. The Contract Sum: The CITY shall pay to the CONTRACTOR, for the faithful performance of the Contract, in lawful money of the United States of America, and subject to additions and deductions as provided in the Contract Documents, as follows:

Based upon the Unit Price shown in the Proposal heretofore submitted to the CITY by the CONTRACTOR, a copy of said Proposal being a part of these Contract Documents, the aggregate amount of this Contract (obtained by the application of such Unit Prices to the quantities shown in the Proposal) being the sum of:

ONE HUNDRED SEVENTY-SIX THOUSAND, NINE HUNDRED DOLLARS

Dollars: **\$176,900.00**

Article 3. Partial and Final Payments: In accordance with the provisions fully set forth in the "General Conditions" of the "Specifications", and subject to additions and deductions as provided, the CITY shall pay the CONTRACTOR as follows:

- a) On the 15th day, or the first business day thereafter, of each calendar month, the CITY shall make partial payments to the CONTRACTOR on

the basis of a duly certified and approved estimate of work performed during the preceding calendar month by the CONTRACTOR, less ten percent (10%) of the amount of such estimate which is to be retained by the CITY until all work has been performed strictly in accordance with the Agreement and until such work has been accepted by the CITY.

PAYMENT:

Payment will be due to the Contractor from the City of Hollywood thirty (30) days after receipt of invoice, provided that Contractor shall not submit more than one invoice per thirty-day period. Payment may be withheld by the City due to failure by the Contractor to comply with the Specifications, because unacceptable equipment or Materials were delivered as determined by the City's inspection or failure by the Contractor to comply with the "Prompt Payment: Late Payments by Contractors to Subcontractor and Material Suppliers; penalty:" clause. The City shall notify the Contractor of any unsatisfactory performance or non-compliance with the "Late Payments by Contractors to Subcontractor and Material Suppliers" clause as soon as practicable so that it can be corrected without delaying payment if possible.

PROMPT PAYMENT: LATE PAYMENTS BY CONTRACTORS TO SUBCONTRACTOR AND MATERIAL SUPPLIERS; PENALTY:

When a contractor receives from the City of Hollywood any payment for contractual services, commodities, materials, supplies, or construction contracts, the contractor shall pay such moneys received to each Subcontractor and Material Supplier in proportion to the percentage of Work completed by each Subcontractor and Material Supplier at the time of receipt. If the contractor receives less than full payment, then the contractor shall be required to disburse only the funds received on a pro rata basis with the Subcontractors and Material Suppliers, each receiving a prorated portion based on the amount due on the payment. If the contractor without reasonable cause fails to make payments required by this section to Subcontractors and Material Suppliers within 15 Working days after the receipt by the contractor of full or partial payment, the contractor shall pay to the Subcontractors and Material Suppliers a penalty in the amount of 1 percent of the amount due, per month, from the expiration of the period allowed herein for payment. Such penalty shall be in addition to actual payments owed. Retainage is also subject to this prompt payment requirement and must be returned to the Subcontractor or Material Supplier whose Work has been completed, even if the prime contract has not been completed. The Contractor shall include the above obligation in each subcontract it signs with a Subcontractor or Material Supplier.

- b) Upon submission by the CONTRACTOR of evidence satisfactory to the CITY that all payrolls, material bills and other costs incurred by the CONTRACTOR in connection with the construction of the WORK have been paid in full, and also, after all guarantees that may be required in the Specifications have been furnished and are found acceptable by the CITY, final payment on account of this Agreement shall be made within sixty (60) days after completion by the CONTRACTOR of all work covered by this Agreement and acceptance of such work by the CITY.

Article 4. Time of Completion: The CONTRACTOR shall commence the work to be performed under this Contract within ten (10) calendar days after the date of written Notice to Proceed, and shall fully complete the Contract in accordance with the Contract Documents no later than the completion date set out in the Notice to Proceed.

It is mutually agreed between the parties hereto, that time is of the essence, and in the event that construction of the WORK is not completed with the Time Stipulated, as may have been modified solely in accordance with the provisions of Article 11 of the General Conditions of this Contract, that from the compensation otherwise to be paid to the CONTRACTOR, the CITY is authorized and shall retain, for each day thereafter, Sundays and holidays included, the sum set forth in the Supplementary Conditions of this Contract as liquidated damages sustained by the CITY in the event of such default by the CONTRACTOR, or shall withhold such compensation for actual and consequential damages as may be stated therein or contemplated therefrom.

Article 5. Additional Bond: It is further mutually agreed between the parties hereto, that if, at any time after the execution of this Agreement and the Performance Bond hereto attached for its faithful performance, the CITY shall deem the surety or sureties upon such bond to be unsatisfactory, or, if for any reason, such bond ceases to be adequate to cover the performance of the work, the CONTRACTOR shall, at his expense, within five (5) days after receipt of notice from the CITY to do so, furnish an additional bond or bonds in such form and amount, and with such surety or sureties as shall be satisfactory to the CITY. In such event, no further payment to the CONTRACTOR shall be deemed to be due under this Agreement until such new or additional security for the faithful performance of the work shall be furnished in a manner and form approved by the CITY Attorney.

Article 6. Contract Documents: All the documents hereinafter listed form the Contract and they are as fully a part of the Contract as if hereto attached, or repeated in this Agreement:

- | | |
|---------------------------|----------------------|
| 1. Notice to Bidders | 6. Performance Bond |
| 2. Instruction to Bidders | 7. Payment Bond |
| 3. Proposal | 8. Specifications |
| 4. Bid Bond | 9. Addenda |
| 5. Contract | 10. Plans |
| | 11. Exhibits A and B |

WHEN THE CONTRACTOR IS A SOLE PROPRIETORSHIP OR OPERATES UNDER
A TRADE NAME:

(Witness)

(Name of Firm)

(Witness)

_____(SEAL)
(Signature of Individual)

PROPOSAL

TO THE MAYOR AND COMMISSIONERS
CITY OF HOLLYWOOD, FLORIDA

SUBMITTED

5-30-14

Dear Mayor and Commissioners:

The undersigned, as BIDDER, hereby declares that the only person or persons interested in the Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Bid or Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The BIDDER further declares that he has examined the site of the Work and informed himself fully in regard to all conditions pertaining to the place where the Work is to be done; that he has examined the Drawings and Specifications for the Work and contractual documents relative thereto, including the Notice to Bidders, Instructions to Bidders, Proposal Form, Form of Bid Bond, Form of Contract and General, Supplementary and Technical Specifications, Addenda and Drawings, and has read all of the Provisions furnished prior to the opening of bids; and that he has satisfied himself relative to the work to be performed.

If this Proposal is accepted, the undersigned BIDDER proposes and agrees to enter into and execute the Contract with the City of Hollywood, Florida, in the form of Contract specified; of which this Proposal, Instructions to Bidders, General Specifications, Supplementary Conditions and Drawings shall be made a part for the performance of Work described therein; to commence Work on the effective date established in the "Notice to Proceed" from the ENGINEER; and to complete all Contract Work with the time specified in the Bid Form, as may be modified by Article 14, Instructions to Bidders, and stated in the "Notice to Proceed" or pay liquidated damages for each calendar day in excess thereof, or such actual and consequential damages as may result therefrom.

The BIDDER acknowledges receipt of the following addenda:

No. 1 Dated 5-15-14

No. _____ Dated _____

No. _____ Dated _____

And the undersigned agrees that in case of failure on his part to execute the said Contract within ten (10) days after being presented with the prescribed Contract forms, the check or Bid Bond accompanying his bid, and the money payable thereon, shall be paid into the funds of the City of Hollywood, Florida, otherwise, the check or Bid Bond accompanying this Proposal shall be returned to the undersigned.

Attached hereto is a certified check on the _____

_____ Bank of _____

_____ or approved Bid Bond for the sum of 10% OF BID

AMOUNT Dollars (\$ 10%) according to the conditions under the

Instructions to Bidders and provisions therein.

WHEN THE BIDDER IS AN INDIVIDUAL: N/A

[Signature]
(Signature of Individual)

JULIO MARTINEZ
(Printed Name of Individual)

2040 W 77 PLACE
(Address)

Hiawatha, FL 33016

WHEN THE BIDDER IS A SOLE PROPRIETORSHIP
OR OPERATES UNDER A TRADE NAME: N/A

(Name of Firm)

(Address)

(Signature of Individual) (SEAL)

(Printed Name of Individual)

WHEN THE BIDDER IS A PARTNERSHIP: N/A

(Name of Firm) A Partnership

(Address)

By: _____ (SEAL)
(Partner)

(Printed Name of Partner)

Name and Address of all Partners:

WHEN THE BIDDER IS A JOINT VENTURE: N/A

(Correct Name of Corporation)

(Address)

By: _____(SEAL)

(Printed Name & Official Title)

Organized under the laws of the State of _____, and authorized by law to make this bid and perform all work and furnish materials and equipment required under the Contract Documents.

WHEN THE BIDDER IS A CORPORATION:

Presessa Roofing Corp.

(Correct Name of Corporation)

2646 West 11th Place

(Address of Corporation)

Hollywood, FL 33016

By: _____(SEAL)

Julio Martinez, President

(Printed Name & Official Title)

Organized under the laws of the State of Florida, and authorized by law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

CERTIFIED COPY
RESOLUTION OF BOARD OF DIRECTORS

Procesa Roofing Corp.

(Name of Corporation)

RESOLVED that

Julio Martinez
(Person Authorized to Sign)

of Procesa Roofing Corp.
(Name of Corporation)

be authorized to sign and submit the Bid or Proposal of this corporation
for the following project:

The foregoing is a true and correct copy of the Resolution adopted by
Procesa Roofing Corp. at a meeting of its Board of
(Name of Corporation)

Directors held on the 28 day of MAY, 2014.

By: [Signature] (SEAL)

Julio Martinez, President
(Printed Name & Official Title)

The above Resolution MUST BE COMPLETED if the Bidder is a Corporation.

In the event of the withdrawal of said bid within the specified period, or the failure to enter into such contract and give such bond and insurance within the specified time, the principal and the surety shall pay to the City of Hollywood the difference between the amount specified in said bid and such larger amount for which the City of Hollywood may in good faith contract with another party to perform the work and/or supply the materials covered by said bid.

IN WITNESS WHEREOF, the above bound parties have executed this statement under their several seals this 29th day of May, 2014, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

Witness

Signature of Individual

Address

Printed Name of Individual

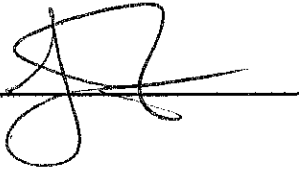
Witness

Address

WHEN THE PRINCIPAL IS A CORPORATION:

Attest:

Secretary



Precision Roofing Corp

Name of Corporation

2646 W 77th Place

Business Address

Hialeah, FL 33016

By:

(Affix Corporate Seal)

Julio Martinez

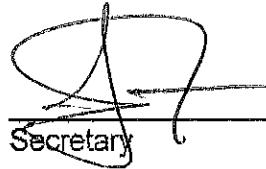
Printed Name

President

Official Title

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, Julio Martinez, certify that I am the secretary of the Corporation named as Principal in the attached bond; that Julio Martinez who signed the said bond on behalf of the Principal, was then President of said Corporation; that I know his signature, and his signature thereto is genuine and that said bond was duly signed, sealed and attested for and on behalf of said Corporation by authority of its governing body.



Secretary

(Seal)

TO BE EXECUTED BY CORPORATE SURETY:

Jennifer Martin
Secretary

Westchester Fire Insurance Company

Corporate Surety

436 Walnut Street, WA10H

Business Address

Philadelphia, PA 19106-3703

By:

Dirk D. DeJong
(Affix Corporate Seal)

Dirk D. DeJong

Attorney-in-Fact

Frank H. Furman, Inc

Name of Local Agency

1314 East Atlantic Blvd

Business Address

Pompano Beach, FL 33060

STATE OF FLORIDA
COUNTY OF BROWARD
CITY OF HOLLYWOOD

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared

Dirk D. DeJong

to me well known, who being by me first duly

sworn upon oath says that he is the attorney-in-fact for the Westchester Fire Insurance Company and

that he has been authorized by Westchester Fire Insurance Company to execute the foregoing

bond on behalf of the CONTRACTOR named therein in favor of the City of Hollywood, Florida.

Subscribed and sworn to before me this 29th day of May, 20 14.

Commission Number:

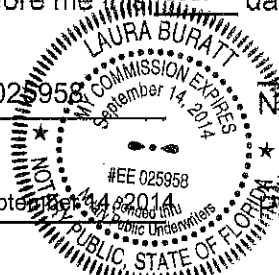
EE025958

Laura Buratt
Notary Public, State of Florida

My Commission Expires:

September 14, 2014

Laura Buratt
Printed Name of Notary



Power of Attorney

WESTCHESTER FIRE INSURANCE COMPANY

Know all men by these presents: That WESTCHESTER FIRE INSURANCE COMPANY, a corporation of the Commonwealth of Pennsylvania pursuant to the following Resolution, adopted by the Board of Directors of the said Company on December 11, 2006, to wit:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into the ordinary course of business (each a "Written Commitment"):

- (1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.
- (2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such persons written appointment as such attorney-in-fact.
- (3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment; which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (4) Each of the Chairman, the President and Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to delegate in writing any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.
- (5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested.

Does hereby nominate, constitute and appoint Dirk D DeJong, Frank H Furman Jr., all of the City of POMPANO BEACH, Florida, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding Ten million dollars & zero cents (\$10,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office,

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice-President, has hereunto subscribed his name and affixed the Corporate seal of the said WESTCHESTER FIRE INSURANCE COMPANY this 26 day of August 2013.

WESTCHESTER FIRE INSURANCE COMPANY




Stephen M. Haney, Vice President

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF PHILADELPHIA ss.

On this 26 day of August, AD. 2013 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M. Haney, Vice-President of the WESTCHESTER FIRE INSURANCE COMPANY to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company, that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
KAREN E. BRANDT, Notary Public
City of Philadelphia, Phila. County
My Commission Expires September 26, 2014


Notary Public

I, the undersigned Assistant Secretary of the WESTCHESTER FIRE INSURANCE COMPANY, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this 9 day of MAY 2014




William L. Kelly, Assistant Secretary

THIS POWER OF ATTORNEY MAY NOT BE USED TO EXECUTE ANY BOND WITH AN INCEPTION DATE AFTER August 26, 2015.



CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION

PROPOSAL BID FORM

Project No.: POL 14-005

Project Name: Hollywood Police Building
Roof Replacement

Account No.: 46.

If this Proposal is accepted, the undersigned Bidder agrees to complete all work under this contract within **40** calendar days following the issuance of the Notice to Proceed.

UNIT PRICE PREVAILS OVER TOTAL PRICE. All entries on this form must be typed or written in block form in ink. Quantities provided are for information purposes.

BASE BID:

<u>No.</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
1.	Demolition work to tear off and properly dispose of existing roofing, insulation, flashings and perimeter metal	1	LS	18,000. ⁰⁰	\$18,000. ⁰⁰
2.	Installation of complete new roof system and new components as specified	1	LS	158,900. ⁰⁰	\$158,900. ⁰⁰
TOTAL BASE BID :					\$176,900. ⁰⁰

Precessal Roofing Corp.

Company Name:

Signature:

Date:

5-29-14

INFORMATION REQUIRED OF BIDDERS

GENERAL INFORMATION

The Bidder shall furnish the following information. Failure to comply with this requirement may cause its rejection. Additional sheets shall be attached as required.

1. Contractor's Name/Address: PRECISA ROOFING CORP.
2646 WEST 17TH PLACE
HOUSTON, TX. 77016
2. Contractor's Email Address: GIV@PRECISA-ROOFING.COM
3. Contractor's Telephone Number: (305) 822-9969
4. Qualifier's Name: JOANNA TALLEY
5. Contractor's Primary Classification: ROOFING
State Registration Number (attach copy, if applicable): CEE1329365
Contractor's Certification/Competency Number (attach copy): N/A
Issuing Agency: _____
Occupational License Number (attach copy): 6959317
Issuing Agency: MIMB - DADE COUNTY
6. Number of years as a Contractor in construction work of the type involved in this Contract: 26 YEARS
7. List the names and titles of all officers of Contractor's firm:
JULIO MARTINEZ - PRESIDENT
JOANNA TALLEY - V.P. / SECRETARY
8. Name of person who inspected site or proposed work for your firm:
Name: CARLOS URBINA
Date of Inspection: 5-22-14 DURING MANDATORY PRE-BID

NOTE: If requested by the City, the Bidder shall furnish a notarized financial statement, references and other information, sufficiently comprehensive to permit an appraisal of his current financial condition.

LIST OF SUB-CONTRACTORS

The Bidder SHALL list below the name, address, and phone number of each Sub-Contractor who will perform work under this Contract in excess of one-half percent of the total bid price, and shall also list the portion of the work which will be done by such Sub-Contractor. After the opening of Proposals, changes or substitutions will be allowed with written approval of the City of Hollywood. Sub-Contractors must be properly licensed and hold a valid Certificate of Competency.

	<u>Work to be Performed</u>	<u>Sub-Contractor's Name/Address</u>	<u>Telephone #</u>
1.	N/A		
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

NOTE: Attach additional sheets if required.

REFERENCES

INFORMATION REQUIRED OF BIDDERS

Contractor's Name: Praxson Roofing Phone Number: (305) 822-9969
 Contractor's Address: 2646 West 11th Ave, Hollywood, Fl. 33016

Please list all of the projects you have completed in the last three (3) years, by using the following table.

Project Name or Description:	Location/Address:	Completion Date	Contract Amount	Email or Website Address	Contact Person Name & Phone Number:
1. <u>Hollywood N.Y.</u>	<u>Hollywood</u>	<u>7-20-12</u>	<u>\$277,900*</u>	<u>coneskey@hollywoodfl.org</u>	<u>TERRELL CONESKEY (954) 921-3900</u>
2. <u>FL. DEPT. OF TRANS.</u>	<u>7550 DUTCH ROAD, HOLLYWOOD, FL.</u>	<u>2-22-13</u>	<u>\$191,950</u>	<u>TERRELL.GRANT@FLDOT.COM</u>	<u>TERRELL GRANT (954) 290-3871</u>
3.					
4.	<u>Please see Attachment</u>				
5.					
6.					
7.					

8.									
9.									
10.									
11.									
12.									
13.									
14.									
15.									
15.									

You may attach additional sheets as necessary

**STATE OF FLORIDA****DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION****CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783****(850) 487-1395****TALLET, JOANNA
PRECISION ROOFING CORP
2646 WEST 77TH PLACE
HIALEAH FL 33016**

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION****AC# 6306720****CCC1329365 08/27/12 128056957****CERTIFIED ROOFING CONTRACTOR
TALLET, JOANNA
PRECISION ROOFING CORP****IS CERTIFIED under the provisions of Ch. 489 FS
Expiration date: AUG 31, 2014 L12082701701****DETACH HERE****THIS DOCUMENT HAS A COLORED BACKGROUND, MICROPRINTING, LINEMARK, PATENTED PAPER****AC# 6306720****STATE OF FLORIDA****DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD****SEQ# L12082701701**

DATE	BATCH NUMBER	LICENSE NBR
08/27/2012	128056957	CCC1329365

The ROOFING CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2014

**TALLET, JOANNA
PRECISION ROOFING CORP
2646 WEST 77TH PLACE
HIALEAH FL 33016****RICK SCOTT
GOVERNOR****KEN LAWSON
SECRETARY****DISPLAY AS REQUIRED BY LAW**

Local Business Tax Receipt

Miami-Dade County, State of Florida

-THIS IS NOT A BILL - DO NOT PAY

LBT

386373

BUSINESS NAME/LOCATIONPRECISION ROOFING CORP
2646 W 77 PL
HIALEAH FL 33016**RECEIPT NO.****RENEWAL**
6959317**EXPIRES****SEPTEMBER 30, 2014**Must be displayed at place of business
Pursuant to County Code
Chapter 8A - Art. 9 & 10**OWNER**PRECISION ROOFING CORP
Worker(s) 23**SEC. TYPE OF BUSINESS**196 SPECIALTY BUILDING CONTRACTOR
CCC1329365**PAYMENT RECEIVED
BY TAX COLLECTOR**\$84.00 07/29/2013
CREDITCARD-13-004286

This Local Business Tax Receipt only confirms payment of the Local Business Tax. The Receipt is not a license, permit, or a certification of the holder's qualifications, to do business. Holder must comply with any governmental or nongovernmental regulatory laws and requirements which apply to the business.

The RECEIPT NO. above must be displayed on all commercial vehicles - Miami-Dade Code Sec 8a-276.

For more information, visit www.miamidade.gov/taxcollector

Local Business Tax Receipt

Miami-Dade County, State of Florida

-THIS IS NOT A BILL - DO NOT PAY

LBT

3203635

BUSINESS NAME/LOCATIONPRECISION ROOFING CORP
2646 W 77 PL
HIALEAH FL 33016**RECEIPT NO.****RENEWAL**
3337482**EXPIRES****SEPTEMBER 30, 2014**Must be displayed at place of business
Pursuant to County Code
Chapter 8A - Art. 9 & 10**OWNER**PRECISION ROOFING CORP
Worker(s) 2**SEC. TYPE OF BUSINESS**196 SPECIALTY BUILDING CONTRACTOR
94BS00298**PAYMENT RECEIVED**BY TAX COLLECTOR
\$45.00 09/26/2013
TXHS1-13-076725

This Local Business Tax Receipt only confirms payment of the Local Business Tax. The Receipt is not a license, permit, or a certification of the holder's qualifications, to do business. Holder must comply with any governmental or nongovernmental regulatory laws and requirements which apply to the business.

The RECEIPT NO. above must be displayed on all commercial vehicles - Miami-Dade Code Sec 8a-276.

For more information, visit www.miamidade.gov/taxcollector

EXHIBIT A

Local Preference Program

Local Preference: Pursuant to §38.50 of the City of Hollywood Code of Ordinances, the City shall grant a preference to Hollywood vendors if their initial bid is within 5% of the bid of the lowest responsive responsible bidder that is a non-local Hollywood vendor. The preference shall allow the local Hollywood vendor to submit a second and final offer which must be at least 1% less than the bid of the lowest responsive responsible bidder non-local Hollywood vendor to be awarded. The local Hollywood vendor shall have the burden of demonstrating that it maintains a permanent place of business with full-time employees within the City limits and has done so for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation within Hollywood, Florida. All supporting documentation (e.g. City of Hollywood valid local business tax receipt) for local preference eligibility must be received with the bid package prior to the bid opening date and time.

EXHIBIT B

ORDINANCE NO. 0-2007-05

AN ORDINANCE OF THE CITY OF HOLLYWOOD, FLORIDA, AMENDING CHAPTER 30 OF THE CITY'S CODE OF ORDINANCES BY AMENDING SECTION 30.15 ENTITLED "LOBBYIST; REGISTRATION AND DISCLOSURE; ENFORCEMENT" IN ORDER TO ESTABLISH A CONE OF SILENCE.

WHEREAS, Section 30.15 of the Hollywood Code of Ordinances establishes the procedures and guidelines for Lobbying activities; and

WHEREAS, the City Commission desires to update Section 30.15 to include a Cone of Silence;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA:

Section 1: That Section 30.15 of the City's Code of Ordinances entitled "Lobbyists; Registration and Disclosure; Enforcement" is hereby amended to read as follows:

TITLE III: ADMINISTRATION

CHAPTER 30: CITY POLICIES, GENERALLY

* * *

LOBBYISTS/VENDORS; EX PARTE COMMUNICATIONS

§30.15 LOBBYIST/VENDOR REGULATIONS.

* * *
* * *

(E) Cone of Silence.

(1) "Cone of Silence" means a prohibition on any communication regarding a particular Request for Proposals (RFP), Request for Qualifications (RFQ), Request for Letters of Interest (RLI), bid or other competitive solicitation governed by Section 38.40 of the Code of Ordinances between:

(Coding: Words in ~~struck-through~~ type are deletions from existing law; words underscored are additions)

- (a) Any person who seeks an award therefrom, including a potential vendor or vendor's representative, and
- (b) Any member of the City Commission, all other city employees, and any non-employee appointed to evaluate or recommend selection in such procurement process.

For purposes of this subsection, "vendor's representative" means an employee, partner, officer, or director of a potential vendor, or consultant, Lobbyist, or actual or potential subcontractor or sub-consultant of a vendor.

(2) A Cone of Silence shall be applicable to each RFP, RLI, RFQ, bid, or other competitive solicitation upon the issuance of the applicable RFP, RLI, RFQ, bid or other competitive solicitation. At the time of imposition of the Cone of Silence, public notice of the Cone of Silence shall be posted. A statement disclosing the requirements of this subsection shall be included in any advertisement and public solicitation for goods and services. The City Manager or his/her designee shall issue a notice to the affected department(s), the City Clerk, and City Commission's Office that such RFP, RLI, RFQ, bid or other competitive solicitation has been issued and the Cone of Silence has been imposed.

(3) The Cone of Silence shall terminate at the time the City awards or approves a contract, votes to reject all bids or responses, or otherwise takes action which ends the solicitation. If the City Commission refers the item back to the City Manager and staff for further review, the Cone of Silence shall remain in effect until an award is made, a contract is approved, or the City Commission takes any other action which ends the solicitation.

(4) Nothing contained herein shall prohibit any potential vendor or vendor's representative:

(a) from making public presentations at a duly noticed pre-bid conference or before a duly noticed evaluation committee meeting;

(b) from communicating with the City Commission during a duly noticed public meeting; or

(c) from communicating verbally or in writing with a City employee for the limited purpose of seeking clarification or additional information, when such employee is specifically designated in the applicable RFP, RLI, RFQ, or bid documents. Only written addenda will be binding. No oral representations, clarifications, or changes made to the written specification by the City's employees, shall be binding unless such clarifications or changes are provided to bidders/proposers in written addendum form. All written information shall be provided to the members

of the applicable Evaluation Committee, including any response thereto and attached to the City Commission agenda item or to the City Manager for consideration of the award under the applicable competitive solicitation.

(d) from communicating in writing with the Director of Procurement Services or other staff person specifically designated on the procurement document, subject to the following provisions:

The potential vendor or vendor's representative shall deliver a copy of any such written communication to the City Clerk, who shall make copies available to the public upon request. The written communication shall include a reference to the RFP, RLI, RFQ, or other bid document number.

All written information shall be provided to the members of the applicable Evaluation Committee, including any response thereto and attached to the City Commission agenda item or to the City Manager for consideration of the award under the applicable competitive solicitation.

(e) from communicating verbally, or in writing to the City Manager, the City Manager's designee, the City Attorney or the City Attorney's designee on those procurement items to be considered by the City Commission.

(f) from attending meetings with homeowner associations, civic associations and the like to discuss a particular RFP, RFQ, RLI, bid or other competitive solicitation where a City Commissioner is in attendance.

(5) Penalties. A violation of, or failure to comply with this subsection shall subject the offender, upon conviction, to a fine of \$500.00, or imprisonment for a period not to exceed 60 days, or both such fine and imprisonment shall be imposed. In addition, the provisions of subsections (6) through (8) below shall apply.

(6) The City Manager shall be informed of any vendor/vendor's representative who is alleged to have violated the requirements of this subsection. In such an event, the City Manager shall cause an investigation to be performed by the Cone of Silence Evaluation Committee (herein referred to as the Committee). The Committee shall be comprised of the Director of Financial Services, the Director of Business Development, the City Clerk, and the director or designee of the Department or Office for which the contract is to be awarded. The Director of the Department or Office for which the contract is to be awarded, or his/her designee, shall serve as the chairperson of the Committee. The City Attorney or designee shall be counsel to the Committee.

The Committee shall investigate the alleged violations, and present a written report, including recommendations, to the City Manager. If the City Manager determines that a

violation has occurred, he/she may void an award pursuant to subsection (7) below, and/or order a debarment as provided in subsection (8) below, based on the severity of the violation.

A copy of the Committee's report, and the City Manager's determination of a violation, if any, as well as the voiding of the award as provided in paragraph (7) below and/or the order of debarment as provided in paragraph (8) below, if any, shall be furnished or mailed to the vendor and vendor's representative who has been investigated.

(7) A determination of violation shall render any RFP award, RLI award, RFQ award, or bid award, or any contract entered into pursuant thereto, to said potential vendor voidable, at the sole discretion of the City Manager, for those contracts which he/she is otherwise authorized to approve, or the City Commission, for all other contracts.

(8) The debarment of a vendor due to said violation shall be for a period commensurate with the seriousness of the violation and shall continue for the duration ordered by the City Manager. Where the violation is willful or egregious, an indefinite term of debarment may be imposed. During the period of debarment, the vendor, and other companies with any of the officers or principals the same as the debarred vendor, may not bid on any City contracts, regardless of the dollar amount, nor be approved as a subcontractor on any City contract.

(9) Appeal. A vendor/vendor's representative who is determined to have violated this subsection and who has been penalized as provided in subsections (7) or (8), may appeal in writing within ten (10) days or the date of receipt of the notice of violation. Said appeal request shall be submitted to the City Clerk, who shall place the appeal on the next available City Commission meeting.

* * *
* * *

Section 2: That it is the intention of the City Commission and it is hereby ordained that the provisions of this section shall be made a part of the Code of Ordinances of the City of Hollywood, Florida, and the sections of the Code may be renumbered to accomplish such intention.

Section 3: That if any word, phrase, clause, subsection or section of this ordinance is for any reason held unconstitutional or invalid, the invalidity thereof shall not affect the validity of any remaining portions of this ordinance.

Section 4: That all sections or parts of sections of the Code of Ordinances, all ordinances or parts of ordinances, and all resolutions or parts of resolutions in conflict herewith be and the same are hereby repealed to the extent of such conflict.

ORDINANCE CONE OF SILENCE CHAPTER 30

Section 5: That this Ordinance shall be in full force and effect immediately upon its passage and adoption.

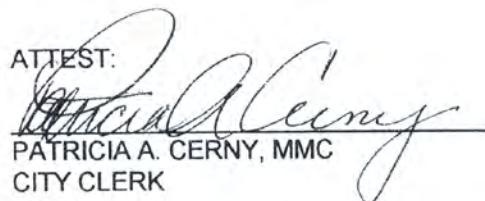
Advertised March 9, 2007.

PASSED on first reading this 21 day of February, 2007.

PASSED AND ADOPTED on second reading this 21 day of March, 2007.


MARA GIULIANTI, MAYOR

ATTEST:


PATRICIA A. CERNY, MMC
CITY CLERK

APPROVED AS TO FORM & LEGALITY
for the use and reliance of the
City of Hollywood, Florida, only.


DANIEL L. ABBOTT CITY ATTORNEY

3/22/07pac

the basis of a duly certified and approved estimate of work performed during the preceding calendar month by the CONTRACTOR, less ten percent (10%) of the amount of such estimate which is to be retained by the CITY until all work has been performed strictly in accordance with the Agreement and until such work has been accepted by the CITY.

PAYMENT:

Payment will be due to the Contractor from the City of Hollywood thirty (30) days after receipt of invoice, provided that Contractor shall not submit more than one invoice per thirty-day period. Payment may be withheld by the City due to failure by the Contractor to comply with the Specifications, because unacceptable equipment or Materials were delivered as determined by the City's inspection or failure by the Contractor to comply with the "Prompt Payment: Late Payments by Contractors to Subcontractor and Material Suppliers; penalty:" clause. The City shall notify the Contractor of any unsatisfactory performance or non-compliance with the "Late Payments by Contractors to Subcontractor and Material Suppliers" clause as soon as practicable so that it can be corrected without delaying payment if possible.

PROMPT PAYMENT: LATE PAYMENTS BY CONTRACTORS TO SUBCONTRACTOR AND MATERIAL SUPPLIERS; PENALTY:

When a contractor receives from the City of Hollywood any payment for contractual services, commodities, materials, supplies, or construction contracts, the contractor shall pay such moneys received to each Subcontractor and Material Supplier in proportion to the percentage of Work completed by each Subcontractor and Material Supplier at the time of receipt. If the contractor receives less than full payment, then the contractor shall be required to disburse only the funds received on a pro rata basis with the Subcontractors and Material Suppliers, each receiving a prorated portion based on the amount due on the payment. If the contractor without reasonable cause fails to make payments required by this section to Subcontractors and Material Suppliers within 15 Working days after the receipt by the contractor of full or partial payment, the contractor shall pay to the Subcontractors and Material Suppliers a penalty in the amount of 1 percent of the amount due, per month, from the expiration of the period allowed herein for payment. Such penalty shall be in addition to actual payments owed. Retainage is also subject to this prompt payment requirement and must be returned to the Subcontractor or Material Supplier whose Work has been completed, even if the prime contract has not been completed. The Contractor shall include the above obligation in each subcontract it signs with a Subcontractor or Material Supplier.

- b) Upon submission by the CONTRACTOR of evidence satisfactory to the CITY that all payrolls, material bills and other costs incurred by the CONTRACTOR in connection with the construction of the WORK have been paid in full, and also, after all guarantees that may be required in the Specifications have been furnished and are found acceptable by the CITY, final payment on account of this Agreement shall be made within sixty (60) days after completion by the CONTRACTOR of all work covered by this Agreement and acceptance of such work by the CITY.

Article 4. Time of Completion: The CONTRACTOR shall commence the work to be performed under this Contract within ten (10) calendar days after the date of written Notice to Proceed, and shall fully complete the Contract in accordance with the Contract Documents no later than the completion date set out in the Notice to Proceed.

It is mutually agreed between the parties hereto, that time is of the essence, and in the event that construction of the WORK is not completed with the Time Stipulated, as may have been modified solely in accordance with the provisions of Article 11 of the General Conditions of this Contract, that from the compensation otherwise to be paid to the CONTRACTOR, the CITY is authorized and shall retain, for each day thereafter, Sundays and holidays included, the sum set forth in the Supplementary Conditions of this Contract as liquidated damages sustained by the CITY in the event of such default by the CONTRACTOR, or shall withhold such compensation for actual and consequential damages as may be stated therein or contemplated therefrom.

Article 5. Additional Bond: It is further mutually agreed between the parties hereto, that if, at any time after the execution of this Agreement and the Performance Bond hereto attached for its faithful performance, the CITY shall deem the surety or sureties upon such bond to be unsatisfactory, or, if for any reason, such bond ceases to be adequate to cover the performance of the work, the CONTRACTOR shall, at his expense, within five (5) days after receipt of notice from the CITY to do so, furnish an additional bond or bonds in such form and amount, and with such surety or sureties as shall be satisfactory to the CITY. In such event, no further payment to the CONTRACTOR shall be deemed to be due under this Agreement until such new or additional security for the faithful performance of the work shall be furnished in a manner and form approved by the CITY Attorney.

Article 6. Contract Documents: All the documents hereinafter listed form the Contract and they are as fully a part of the Contract as if hereto attached, or repeated in this Agreement:

- | | |
|---------------------------|----------------------|
| 1. Notice to Bidders | 6. Performance Bond |
| 2. Instruction to Bidders | 7. Payment Bond |
| 3. Proposal | 8. Specifications |
| 4. Bid Bond | 9. Addenda |
| 5. Contract | 10. Plans |
| | 11. Exhibits A and B |

IN WITNESS WHEREOF the parties hereto have executed this Agreement on the day and date first above written in two (2) counterparts, each of, which shall, without proof of accounting for the other counterparts, be deemed an original contract.

THE CITY OF HOLLYWOOD, FLORIDA
Party of the First Part

By: _____(SEAL)
Peter Bober, Mayor

ATTEST:

City Clerk

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

CONTRACTOR
Party of the Second Part

WHEN THE CONTRACTOR IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

_____(Witness) _____(SEAL)
(Signature of Individual)

_____(Witness) _____
(Signature of Individual)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

WHEN THE CONTRACTOR IS A SOLE PROPRIETORSHIP OR OPERATES UNDER
A TRADE NAME:

Signed, sealed and delivered in the presence of:

(Witness)

(Name of Firm)

(Witness)

(Signature of Individual) (SEAL)

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

WHEN THE CONTRACTOR IS A PARTNERSHIP:

Signed, Sealed and delivered in the presence of:

(Witness)

(Name of Firm) a Partnership

(Witness)

BY: _____
Partner

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

WHEN THE CONTRACTOR IS A CORPORATION:

Attest:

Secretary

(Correct Name of Corporation)

By: _____(SEAL)
President

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

APPROVED AS TO FORM AND
LEGALITY FOR THE USE
AND RELIANCE OF THE CITY
OF HOLLYWOOD, FLORIDA ONLY.

APPROVED AS TO FINANCE:

BY: _____
Jeffrey P. Sheffel
City Attorney

BY: _____
Matthew Lalla
Director of Financial Services

CERTIFICATE

STATE OF FLORIDA)
COUNTY OF BROWARD)

I HEREBY CERTIFY that a meeting of the Board of Directors of _____
_____, a corporation under the laws of the State
of _____, was held on _____, 20 ____, and
the following:

“RESOLVED, that _____, as _____
President of the corporation, be and he is hereby authorized to execute the
contract dated _____, 20_____, between the CITY
OF HOLLYWOOD, a municipal corporation, and the corporation, and that his
execution thereof, attested by the Secretary of the Corporation and with
corporate seal affixed, shall be the official act and deed of this corporation”.

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official
seal of the Corporation, this _____ day of _____
20_____.

Secretary



**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION**

GENERAL CONDITIONS

Index to Articles

		<u>Page</u>
Article 1	Definitions	1
Article 2	Organizational Abbreviations	5
Article 3	Administration of the Contract	8
Article 4	Miscellaneous Preliminary Matters	10
4.1	Contract Document Discrepancies	10
4.2	Submissions	10
4.3	Pre-Construction Conference	10
4.4	Contract Time	10
4.5	Computation of Time	10
4.6	Commencement of Work	11
4.7	Extension of Contract Time	11
4.8	Notice and Service Thereof	11
4.9	Separate Contract	11
4.10	Assignments of Contract	11
4.11	Patents Rights and Infringement	12
4.12	Federal Excise Tax	13
4.13	Savings Due to Excise Tax Exemptions	13
4.14	Overtime Work	14
4.15	Inspections and Testing During Overtime	14
4.16	Nights, Sunday or Holiday Work	14
4.17	Injury or Damage Claims	15
Article 5	Contract Documents	15
5.1	Intent	15
5.2	Order of Precedence of Contract Documents	15
5.3	Reference to Standards	16

Article 6	Preparation of Proposal	16
Article 7	Posting of Bids	17
7.1	Notice of Intent	17
7.2	Posting	17
7.3	Bid Tabulation	17
7.4	Protests	17
Article 8	Rejection of Irregular Proposals	17
Article 9	Withdrawal of Proposals	17
Article 10	Disqualification of Bidders	18
Article 11	Return of Proposal Guaranties	18
Article 12	Examination of Documents	18
Article 13	Bid Bonds and Insurance	19
13.1	Bid Guarantee	19
13.2	Performance and Payment Bond	19
13.3	Signatures	19
13.4	Insurance Coverage	19
13.5	Certificates of Insurance	20
13.6	Insurance Limits of Liability	21
Article 14	Availability of Land; Reference Points	21
14.1	Rights-Of-Way	21
14.2	Permits	21
14.3	Lines and Grades	22
Article 15	Contractor's Responsibilities	22
15.1	Laws/Regulations to Be Observed	22
15.2	Responsibility for Claims, etc.	22
15.3	Guarantee of Payments	23
15.4	Surveys, Permits and Licenses	23
15.5	Emergencies	23
15.6	Measurements To Be Verified	24
15.7	Grouping of Data in Specifications	24
15.8	Substitutes or "Or Equal"	24
15.9	Shop Drawings	26

15.10	Personnel	28
15.11	Safety and Protection	30
15.12	Traffic Control, Public Safety and Convenience	33
15.13	Use of Explosives	36
15.14	Loading of Structures	36
15.15	Concerning Subcontractors	36
15.16	Materials and Equipment	37
15.17	Temporary Services	39
15.18	Review of Records	40
15.19	Use of Premises	40
15.20	Contractor Liable & Responsible to the Owner	40
15.21	Contractor's Daily Reports	40
15.22	Record Documents	41
15.23	Cleanliness of the Site	41
15.24	Dust Control	41
15.25	Continuing the Work	41
15.26	Indemnification	42
Article 16	City's Responsibilities	42
16.1	Communications	42
16.2	Furnish Contract Documents	42
16.3	Furnish Right-of-Way	42
16.4	Timely Delivery of Materials	42
16.5	Tests and Inspections	42
16.6	Payments to Contractor	43
16.7	Right to Stop or Suspend Work	43
Article 17	Changes in the Work/Contract Price	43
17.1	Contract Price	43
17.2	Change Order	43
17.3	Notice of Change	44
17.4	Payment for Extra Work	44
17.5	Records	45
17.6	Cancelled Items and Payments	45
17.7	Full Payment	46
Article 18	Changes in the Contract Time	46
18.1	Change Order	46
18.2	Notice	46
18.3	Basis for Extension	46
18.4	Change of Time due to Contract Execution Problems	47
18.5	Change of Time due to Substitution or Change Order Evaluation	47

18.6	Change of Time and Inspection and Testing	47
18.7	Change of Time and Defective Work	47
18.8	Liquidated and Consequential Damages	48
Article 19	Warranty and Guarantee; Test and Inspections; Correction, Removal or Acceptance of Defective Work	48
19.1	Warranty and Guarantee	48
19.2	Tests and Inspections	48
19.3	Uncovering Work	49
19.4	City May Stop the Work	50
19.5	Correction or Removal of Defective Work	50
19.6	One Year Correction Period	50
19.7	Acceptance of Defective Work	51
19.8	City May Correct Defective Work	51
Article 20	Payments to the Contractor	52
20.1	Basis of Payment	52
20.2	Unit Price Inclusion	52
20.3	Schedule of Values	52
20.4	Changed Conditions	53
20.5	Application for Progress Payment	53
20.6	Payment for Materials	53
20.7	Affidavit Required	53
20.8	Contractor's Warranty of Title	54
20.9	Review of Application for Payment	54
20.10	Payment to the Contractor	55
Article 21	As Built Drawings & Surveys	55
Article 22	Temporary Sanitary Sewers	55
Article 23	Ownership of Drawings	56
Article 24	Registration & Certification	56
Article 25	Substantial Completion, Partial Utilization, Final Clean Up, Inspection, Payment and Acceptance	57
25.1	Substantial Completion	57
25.2	Partial Utilization	58
25.3	Final Clean-Up	58
25.4	Final Inspection	59
25.5	Final Application for Payment	59
25.6	Final Payment and Acceptance	60
25.7	Payment of Retainage without Final Completion	60
25.8	Contractor's Continuing Obligation	61

25.9	Waiver of Claims	61
Article 26	Suspension of Work and Termination	61
26.1	City May Suspend Work	61
26.2	City May Terminate	62
26.3	Contractor May Stop Work or Terminate	64
26.4	Definition	64



**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION**

**GENERAL CONDITIONS
FOR CONSTRUCTION CONTRACTS**

ARTICLE 1 - DEFINITIONS

In the interpretation of these Contract Documents the following terms shall have the meaning indicated:

ADDENDA - Written or graphic instruments issue prior to the opening of Bids which clarify, correct or change the Contract Documents.

CHANGE ORDER - A written order to **CONTRACTOR** signed by the City Manager or his/her authorized designee authorizing an addition, deletion or revision in the work, or an adjustment in the Contract Price or the Contract Time, issued after the date of Award.

CITY - The City of Hollywood, Florida.

COMMISSION - The City Commission of the City of Hollywood, Florida, being the legislative body of the CITY described in the City Charter.

CONTRACT - The written agreement between the CITY and the **CONTRACTOR** covering the work to be performed in accordance with the other Contract Documents which are attached to or referenced in the Contract and made a part thereof.

CONTRACTOR - The person, firm, or corporation with whom the CITY has entered into the Contract.

CONTRACT DOCUMENTS - The Notice to Bidders, Instruction to Bidders, Proposal, Information Required of Bidders, the Record of the Contract Award by the City Commission, the **CONTRACTOR'S** Response thereto, all Bonds, Agreement, and all supporting documents, these General Conditions, the Specifications, Drawings and Permits, together with all Addenda and Change Orders issued with respect thereto, and any Project Manual.

CONTRACT TIME - The number of days agreed to in the Proposal, commencing with the date of the Notice to Proceed for completion of the work.

CONSULTANT - As used herein shall mean the Architect or Engineer who has contracted with the City to provide professional services for this Project and who is registered under the laws of Florida as a registered Architect, Engineer or Landscape Architect, as applicable.

DATE OF SUBSTANTIAL COMPLETION - The date when the work on the project, or specified part thereof, is substantially completed in accordance with the Contract Documents, such that the CITY can occupy or utilize the project or specified part thereof for the use and purpose for which it was intended.

DAYS - Calendar days of 24 hours measured from midnight.

DRAWINGS - The drawings which show the character and scope of the work to be performed and which have been prepared or approved by OWNER'S REPRESENTATIVE and are referred to in and are a part of the Contract Documents.

EXCUSABLE DELAY - Delay caused by acts or neglect by the CITY, hurricane, tornadoes, fires, floods, epidemics or labor strikes.

GENERAL CONDITIONS - That segment of the Contract Specifications incorporating the Provisions common to all CITY Construction Contracts.

INEXCUSABLE DELAY - Any delay caused either (i) by events or circumstances within the control of the CONTRACTOR, such as inadequate crewing, slow submittals, material deliveries etc., which might have been avoided by the exercises of care, prudence, foresight, or diligence on the part of the CONTRACTOR, or (ii) by weather conditions (other than hurricanes or tornadoes).

INSPECTOR - The sole authorized representative of the CITY and OWNER'S REPRESENTATIVE in all on-site relations with the CONTRACTOR, assigned to make all inspections of the work being performed or materials being furnished.

LIQUIDATED DAMAGES - The amount prescribed in the Supplementary Conditions to be paid the CITY, or to be deducted from any payments due the CONTRACTOR for each day's delay in completing the whole or any specified portion of the work beyond the Contract Time.

NOTICE OF AWARD - The written notice by the CITY to the successful Bidder stating that upon his execution of the Agreement and other requirements as listed therein within the time specified the CITY will sign and deliver the Agreement.

NOTICE TO PROCEED - A written notice by the OWNER'S REPRESENTATIVE to the CONTRACTOR fixing the date on which the Contract Time will commence to run and on which the CONTRACTOR shall start to perform his obligation under the Contract Documents.

OTHER CONTRACTORS – As used herein shall mean any person, firm or corporation with whom a Contract has been made by the Owner for the performance of any work on the site, which work is not a portion the work covered by the Contract.

OWNER - The CITY of Hollywood, Florida.

OWNERS REPRESENTATIVE - as used herein shall mean Director of Public Works for the City of Hollywood, 2600 Hollywood, Hollywood, FL.

"OR EQUAL" - Equivalent or superior in construction, efficiency and effectiveness to a type, brand, model or process called out in the Contract Documents to establish a basis of quality.

PROJECT MANAGER is the person, who is an employee of the City of Hollywood, who is assigned by the Director of Public Works to manage the Project, and attempts to resolve issues with the Contract Documents, as a direct representative of the Owner.

SHOP DRAWINGS - All certified affidavits, drawings, diagrams, illustrations, schedules and other data which are specifically prepared by CONTRACTOR, a Sub-Contractor, manufacturer, fabricator, supplier or distributor to illustrate some portion of the work and all illustrations, brochures, standard schedules, performance charts, instructions, diagrams and other information prepared by a manufacturer, fabricator, supplier or distributor and submitted by CONTRACTOR to illustrate material or equipment for some portion of the WORK.

SPECIFICATIONS - Division 1 through 16 of these Contract Documents, consisting of administrative details and written technical descriptions of materials, equipment, standards and workmanship.

SUPERINTENDENT, as used herein refers to the executive representative for the Contractor present on the work at all times during progress, authorized to receive and fulfill instructions from the Owner's Representative and capable of superintending the work efficiently.

SUPPLEMENTARY CONDITIONS - Division 1 of the Contract Specifications incorporating the provisions peculiar to a specific project.

SUB-CONTRACTOR - An individual, firm or corporation having a direct contract with CONTRACTOR or with any other Sub-CONTRACTOR for the performance of a part of the work. The term "Sub-CONTRACTOR will include Sub-Sub-CONTRACTORS, Suppliers and Material Providers of the CONTRACTOR."

SURETY - The person, firm or corporation responsible for the Bidder's acts in the execution of the Contract, or which is bound with and for the CONTRACTOR to insure performance of the Contract and payment of all obligations pertaining to the work.

WORK - All the work materials or products specified, indicated, shown or contemplated in the Contract Documents to construct and complete the improvement, including all alterations, modifications, amendments or extension thereto made by Change Orders.

PROPOSAL GUARANTY, as used herein shall mean that the bid bond or good faith deposit designated in the Proposal, to be furnished by the Bidder as a guaranty of good faith to enter into a Contract with the Board, if the Contract is awarded to him.

WRITTEN NOTICE, shall be deemed to have been duly served if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, if delivered at or sent by registered mail to the last business address known to him who gives notice.

BENEFICIAL OCCUPANCY, as used herein means that date at which time the project is substantially completed, as determined by Owner's Representative, and the Owner may occupy the project with furniture, equipment and accessories required for the operation of the facility. It does not refer to any prior dates wherein the Owner employs other contractors to work on the same site of the project.

PUNCH LIST, as used herein shall refer to a list of items of work required by the Contract Documents which after inspection by the Consultant or Owner's Representative has been termed to be deficient and/or inconsistent with the Contract Documents. This list will be compiled, and submitted to the Contractor, only upon substantial completion of the project, as determined by the Owner's Representative or Consultant.

FINAL COMPLETION, as used herein means that date subsequent to the date of Beneficial Occupancy at which time the project, including the correction of all punch list items, is totally completed in all of its detail for final acceptance, to the satisfaction of the Consultant and Owner's Representative.

SUBSTANTIAL COMPLETION, as used herein, the date on which, as certified in writing by CONSULTANT, the work, or a portion thereof designated by CONTRACT ADMINISTRATOR, in its sole discretion, is at a level of completion in substantial compliance with the CONTRACT documents such that all conditions of permits and regulatory agencies have been satisfied and the Owner or its designee can enjoy use or occupancy and use or operate it in all respects for its intended purpose. A Certificate of Occupancy must be issued for substantial completion to be achieved, however, the issuance of a Certificate of Occupancy or the date thereof is not determinative of the achievement or date of substantial completion.

ARTICLE 2 - ORGANIZATIONAL ABBREVIATIONS

Abbreviations of organizations which may be used in these Specifications are:

AASHTO: American Association of State Highway and Transportation Officials

ACI: American Concrete Institute

AIA: American Institute of Architects

AISC: American Institute of Steel Construction

AITC: American Institute of Timber Construction

ANSI: American National Standards Institute

APWA: American Public Works Association

ASTM: American Society for Testing and Materials

ASCE: American Society of Civil OWNER'S REPRESENTATIVES

ASME: American Society of Mechanical OWNER'S Representatives

ASHRAE: American Society of Heating, Refrigerating and Air Conditioning OWNER'S Representatives

AWPA: American Wood Preservers Association

AWWA: American Water Works Association

AWS: American Welding Society

BCEQCB: Broward County Environmental Quality Control Board
 CRSI: Concrete Reinforcing Steel Institute
 DER: Florida Department of Environmental Regulation
 DNR: Florida Department of Natural Resources
 FBC: Florida Building Code 2010
 FDOT: Florida Department of Transportation
 FP&L: Florida Power and Light
 IEEE: Institute of Electrical and Electronic OWNER'S
 Representatives
 NACE: National Association of Corrosion OWNER'S Representatives
 NCPI: National Clay Pipe Institute
 NEC: National Electrical Code
 NEMA: National Electrical Manufacturers Association
 NFPA: National Fire Protection Association
 OSHA: Occupational Safety and Health Act
 PCI: Prestressed Concrete Institute
 SFWMD: South Florida Water Management District
 SSPC: Structural Steel Painting Council
 UL: Underwriters' Laboratories, Inc.
 UNCLE: Utility Notification Center for Location before Excavation
 (1-800-432-4770)
 USEPA: United States Environmental Protection Agency
 USGS: United States Geological Survey
 WWEMA: Water and Wastewater Equipment Manufacturers Association

ARTICLE 3 – ADMINISTRATION OF THE CONTRACT

The Consultant and the Project Manager will provide Administration of the Contract hereinafter described. For those projects for which the City of Hollywood serves as the Consultant (Architect of Record) all references to the Consultant shall be considered to be to the Project Manager.

The Consultant and the Project Manager will have authority to act on behalf of the Owner to the extent provided in the Contract Documents, unless otherwise modified by written instrument which will be issued to the Contractor. All instructions to the Contractor shall be issued through the Consultant, except under special circumstances when instructions may be issued by the Project Manager or with the Project Manager approval, by the Architect reporting to him/her, or the Engineer reporting to him/her.

The Consultant, the Project Manager and other personnel authorized by the Owner, shall at all times have access to the Work whenever it is in preparation or progress. The Contractor shall provide safe facilities for such access so the Consultant and the Project Manager may perform their functions under the Contract.

The Consultant will make periodic visits to the site to familiarize him/herself generally with the progress and quality of the Work and to determine in general if the Work is proceeding in accordance with the Contract Documents. On the basis of on-site observations the Consultant will keep the Owner informed of the progress of the Work, and will endeavor to guard the Owner against defects and deficiencies in the Work of the Contractor.

Neither the Consultant nor the Owner will be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, and neither will be responsible for the Contractor's failure to carry out the Work in accordance with the Contract Documents.

The Consultant will have authority to reject Work which does not conform to the Contract Documents and to require special inspection or testing, but shall take such action only after consultation with the Project Manager. The Project Manager will have the authority to reject Work which does not conform to the Contract Documents. Whenever the Project Manager considers it necessary or advisable to insure the proper implementation of the Contract Documents, the Project Manager will have the authority to require special inspection or testing of the Work, whether or not such Work be then fabricated, installed or completed. Neither the Consultant's nor the Project Manager's authority to act under this Subparagraph, nor any decision made by them in good faith either to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Consultant or the Project Manager to the Contractor, any Subcontractor, any of their agents or employees, or any other person performing any of the Work.

All interpretations and recommendations of the Consultant shall be consistent with the intent of the Contract Documents. In this capacity as interpreter, the Consultant will exercise best efforts to insure faithful performance by both the Owner and the contractor and will not show partiality to either.

The Contractor shall forward all communications to the Consultant, with copies to the Project Manager.

The Project Manager will assist the Consultant in conducting inspections to determine the date or dates of Substantial Completion and Final Acceptance, and will receive and review written guarantees and related documents required by the Contract. The Project Manager will approve Project Payment Certificates.

The duties, responsibilities and limitations of authority of the Consultant and the Project Manager as the Owner's Representative during assembly as set forth in these General Conditions will not be modified nor extended without written consent of the Contractor, the Consultant, and the Owner.

Neither the consultant nor the Owner will be responsible for the acts of omissions of the Contractor, any Sub-Contractor's, or any of their agents or employees, or any persons performing any of the Work.

In case of the termination of employment of the Consultant, the Director of Public Works may appoint a Consultant whose status under the Contract Documents shall be that of the former Consultant.

ARTICLE 4 – MISCELLANEOUS PRELIMINARY MATTERS

4.1 Contract Document Discrepancies:

Any discrepancies, conflicts, errors or omissions found in the Contract Documents shall be promptly reported to the ENGINEER OWNER'S REPRESENTATIVE who will issue a correction, if necessary, in writing. The CONTRACTOR shall not take advantage of any such discrepancies, conflicts, errors or omissions, but shall comply with any corrective measures regarding the same as prescribed by the ENGINEER OWNER'S REPRESENTATIVE.

4.2 Submissions:

Within seven days subsequent to the CONTRACTOR executing and submitting the required documents of Article 15 in the Instructions to Bidders, he shall submit to the ENGINEER OWNER'S REPRESENTATIVE an estimated progress schedule indicating the starting and completion days of the various stages of the work. A preliminary Schedule of Values and a preliminary schedule of Shop Drawing submissions may also be required by Sections 1.05, 1.112 and 1.512 respectively, of the Supplementary conditions.

4.3 Pre-Construction Conference:

Section 12 of the Supplementary conditions may require a Pre-Construction conference for a review of the above schedules, establishing procedures and establishing a working understanding among the parties as to the work. If required, attendance will be mandatory.

4.4 Contract Time:

The Contract Time will commence on the date of the Notice to Proceed and shall exist for the total number of days as specified in the Proposal (or any subsequent Change Orders), unless the CONTRACTOR failed to complete the requirements of Article 15 of the Instructions to Bidders, in which case the additional time in days (including weekends) required to correctly complete the documents will be deducted from that Contract Time specified in the proposal.

4.5 Computation of Time:

When any period of time is referred to the Contract Documents by days, it shall be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a legal holiday, such day shall be omitted from the computation.

4.6 Commencement of Work:

The CONTRACTOR shall not perform work at the site prior to the date of the Notice to Proceed.

4.7 Extension of Contract Time:

Extensions of time shall be based solely upon the effect of delays to the work as a whole. Extensions of time shall not be granted for delays to the work, unless the CONTRACTOR can clearly demonstrate, through schedule analysis, that the delay to the work as a whole arose in accordance with Article 18, changes in Contract Time and that such delays did or will, in fact, delay the progress of work as a whole. Time extensions shall not be allowed for delays to parts of the work that are not on the critical path of the Project schedule. Time extensions shall not be granted until all float or contingency time, at the time of the delay, available to absorb specific delays and associated impacts, is used.

4.8 Notice and Service Thereof:

All notices, demands, requests, instructions, approvals and claims shall be in writing. Notices, demands, etc., shall be deemed to have been validly given if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

4.9 Separate Contract:

The CITY reserves the right to let other contracts in connection with this Project. The CONTRACTOR shall afford other OTHER CONTRACTORS a reasonable opportunity for the introduction and storage for their materials and the execution of their work and shall properly connect and coordinate his work with theirs.

4.10 Assignments of Contract:

No assignment by the CONTRACTOR of the Contract or of any part thereof, or any monies due or to become due thereunder shall be made without the prior written approval of the City Commission, which approval will be given only after the Surety on the Contract Bond has informed the City Commission in writing that it approves of such assignment being made.

In the event that the CONTRACTOR shall undertake to assign all or any part of any monies due or to become due under the Contract, the instrument of assignment shall contain a provision substantially to the effect that it is agreed that the right of the assignee in and to any such monies shall be subject to the prior liens of all persons for services rendered or material supplied for the performance of all work embraced by the Contract.

4.11 Patent Rights and Infringement:

There are various established performance criteria throughout this contract for products and services. There may exist patent coverage for some means and methods of achieving these performance criteria. CONTRACTOR is responsible for ascertaining that means and methods of the products and services which they are providing are not being provided in violation of any such patent rights. CONTRACTOR responsibilities are as follows:

1. To hold harmless, the CITY, as to any violation to include dollar amounts that could be owing as a result of damages for infringement including potential treble damages as provided for under U. S. Patent and Trademark Law.
2. To pay any and all royalties and cost arising from patents, trademarks and copyrights in any way involved in the work and to show evidence that the right to use any such product has been secured by suitable legal agreements with the Patentee or owner and a copy of the agreement must be filed with the Engineer OWNER'S REPRESENTATIVE.
3. Any and all costs that the CITY would incur in replacing materials and services which are determined to infringe patent rights.
4. All administrative, legal and other costs that would be incurred as a result of an infringement.

If any product or services proposed to be provided by the CONTRACTOR are known by the CONTRACTOR to be subject to any existing claims of infringement, CONTRACTOR shall notify CITY of such claim and provide evidence of financial ability to perform on the above hold harmless requirement.

4.12 Federal Excise Tax:

The forms needed for applying for exemption certificates for materials and equipment, normally subject to the Federal Excise Tax, may be obtained from the Director of Internal Revenue, Jacksonville, Florida.

The CONTRACTOR is solely responsible for obtaining the desired exemption certificate from the Federal Government.

4.13 Savings Due to Excise Tax Exemptions:

The Bidder shall include in the Bid price the estimated cost of all goods, supplies and equipment which will be incorporated in the Work and the taxes that the Bidder would be required to pay if the Bidder were to purchase such goods, supplies or equipment. By subsequent Change Order(s), the parties shall reduce the Bid price to reflect any goods, supplies and equipment purchased directly by City and the resulting tax savings due to City's exemption from Excise Taxes.

CONTRACTOR shall pay all sales, consumer, use and other similar taxes required to be paid by CONTRACTOR in accordance with the laws and regulations of the State of Florida and its political subdivisions.

Consistent with the tax exemption for municipalities provided by state law, CITY and CONTRACTOR shall jointly operate so that CITY may purchase directly, goods, supplies and equipment which will be incorporated into the Work. The goods, supplies and equipment that will be purchased by CITY shall be approved in advance by the parties.

With respect to all goods, supplies and equipment to be purchased by CITY, CONTRACTOR shall, on behalf of CITY, take all actions necessary and appropriate to cause all purchases to be made and shall be responsible for delivery of all such goods, supplies and equipment, including verification of correct quantities and documents or orders, coordination of purchases

and delivery schedules, sequence of delivery, unloading, handling and storage through installation, obtaining warranties and guarantees required by the Contract Documents, inspection and acceptance of the goods, supplies and equipment at the time of delivery, and other arrangements normally required for the particular goods, supplies or equipment purchased. Unless otherwise directed by CITY, such actions shall also include taking the lead in efforts to resolve any and all disputes with the vendor. CONTRACTOR shall ensure that each vendor of goods, supplies and equipment purchased by CITY agrees in writing to the terms and conditions contained in CITY'S standard purchase order, which terms and conditions are set forth in Section 00800 of the Contract Documents. Even though CITY may purchase such goods, supplies and equipment, the goods, supplies and equipment shall be stored at the site in the same manner as goods, supplies and equipment purchased by CONTRACTOR.

CONTRACTOR shall hold CITY harmless from delays in manufacturing, delivery, and other unforeseen conditions that may arise as part of the procurement of CITY-purchased goods, supplies and equipment.

4.14 Overtime Work:

The CONTRACTOR shall receive no additional compensation for overtime work, i.e. work in excess of eight hours in any one calendar day or 40 hours in any one calendar week, even though such overtime work may be required under emergency conditions and may be ordered by the ENGINEER OWNER'S REPRESENTATIVE in writing. Additional compensation will be paid the CONTRACTOR for overtime work only in the event extra work is ordered by the ENGINEER OWNER'S REPRESENTATIVE and the Change Order specifically authorizes the use of overtime work and then only to such extent as overtime work of a similar nature in the same locality.

4.15 Inspections and Testing During Overtime:

All costs of inspection and testing performed during overtime work by the CONTRACTOR, which is allowed solely for the convenience of the CONTRACTOR, shall be borne by the CONTRACTOR, and a credit given to the CITY to deduct the costs of all such inspection and testing from any partial payments otherwise due to the CONTRACTOR.

4.16 Nights, Sunday or Holiday Work:

Except upon specific permission of the ENGINEER OWNER'S REPRESENTATIVE, the CONTRACTOR shall not perform any work on Sundays or on legal State or Municipal holidays in accordance with City of Hollywood Code of Ordinances, Section 21.49, no work between 6:00 p.m. and 8:00 a.m. will be permitted, except in an emergency. All costs of testing and inspection performed during night, Sunday or holiday work shall be borne by the CONTRACTOR.

4.17 Injury or Damage Claims:

Should CITY or CONTRACTOR suffer injury or damage to his person or property because of any error, omission or act of the other party or of any of the other party's employees or agents or others for whose acts the other party is legally liable, claim shall be made in writing to the other party within a reasonable time of the observance of such injury or damage. However, nothing herein shall be deemed to affect the rights, privileges and immunities of Municipalities as are set forth in Section 765.28, Florida Statutes.

ARTICLE 5 – CONTRACT DOCUMENTS

5.1 Intent

The Contract Documents comprise the entire Agreement between the CITY and CONTRACTOR concerning the work. The Contract Documents can be altered only by Change Order. The Contract Documents are complementary, what is called for by one is as binding as if called for by all. It is the intent of the Contract Documents that the CONTRACTOR, for due consideration, shall furnish all equipment, material, supervision and labor, (except as may be specifically noted otherwise) required or necessary to complete the work in total accordance with said Documents. It is the intent of the Drawings and Specifications to describe the Project to be constructed in accordance with the Contract Documents. Any Work that may reasonably be inferred from the Drawings or Specifications as being required to produce the intended result shall be supplied whether or not it is specifically called for.

5.2 Order of Precedence of Contract Documents:

In resolving differences resulting from conflicts, errors or discrepancies in any of the Contract Documents, the order of precedence shall be as follows:

1. Contract Agreement
2. Specifications
3. Drawings

Within the Specifications the order of precedence is as follows:

1. Addenda
2. Notice Inviting Bids
3. Instruction to Bidders
4. Proposal
5. General Conditions
6. Supplementary Conditions
7. Technical Specifications
8. Referenced Standard Specifications

With reference to the Drawings the order of precedence is as follows:

1. Figures Govern over Scaled Dimensions
2. Detail Drawings Govern over General Drawings
3. Change Order Drawings Govern over Contract Drawings
4. Contract Drawings Govern over Standard or Shop Drawings

5.3 Reference to Standards:

Any reference to standard Specifications, manuals or codes of any organization or governmental authority shall mean that the latest edition, in effect as of the Bid Advertisement Date.

ARTICLE 6 – PREPARATION OF PROPOSAL

Each bidder must sign his Proposal with his full name and give his address.

In cases where a firm or corporation submits a Proposal, the Proposal shall be signed

with the full name of each member of the firm name of the officer or officers of the corporation authorized in its bylaws, in addition to the firm or corporation signature, with official corporate seal affixed thereto and the address of such firm or corporation and of such officer thereof must be given.

The CONTRACTOR is cautioned that in preparing his bid, a detailed statement should be prepared as a breakdown of the work, which will be required from the successful bidder to be used in preparing requisitions for payment. This form must be set up and prepared in such a manner as to meet with the approval of the OWNER'S REPRESENTATIVE.

ARTICLE 7 – POSTING OF BIDS

7.1 Notice of Intent

Notice of Intent to award or reject bids shall be posted at City Hall with recommendations reflecting the lowest responsible, responsive bidder meeting specifications, terms and conditions.

7.2 Posting

Recommendation and tabulation will be posted on the bid date by 4:30 p.m. outside the City Clerk's office. The City Hall located at 2600 Hollywood Boulevard, Hollywood, FL 33020.

7.3 Bid Tabulation

The bid tabulation with the recommendation will remain on display for no less than 72 hours. Failure to file a protest within the time prescribed in Section 38.51 of the City Code of Hollywood will forfeit any right to protest.

7.4 Protests

Protests must be made in accordance with Section 38.51 of the Hollywood City Code, which is reproduced herein. Failure to follow the requirements of the Code in making a protest shall bar the protest.

ARTICLE 8 – REJECTION OF IRREGULAR PROPOSALS

The City Commission reserves the right to waive non-material, technical informalities, irregularities, or defects in a Proposal, and to reject any and all bids, to re-bid the Project..

ARTICLE 9 – WITHDRAWAL OF PROPOSALS

No Proposal shall be withdrawn after it is filed unless the Bidder makes his request in writing to the City Manager of the City of Hollywood prior to the time set for opening of bids, and the request for withdrawal is approved by the City of Hollywood Commission.

The Proposal may be withdrawn, without penalty, if the City of Hollywood fails to accept it within 60 days after the date fixed for opening bids.

ARTICLE 10 – DISQUALIFICATION OF BIDDERS

Only one Proposal from an individual, firm or partnership, joint venture, or corporation (including a subsidiary or affiliate) under the same or different names will be considered.

Should it appear to the Owner that any Bidder is interested in more than one Proposal for the work contemplated; all Proposals in which such Bidder is interested will be rejected.

Should there be any reasonable grounds for the Commission believing that a collusion or combination exists between bidders, all Proposals may be rejected, at the sole discretion of the City Commission, and all such Bidders, or participants in such combination or collusion will not be considered in the future Proposals for the same work.

No proposal or Bid will be considered unless accompanied by a Proposal guarantee or good faith deposit in the amount and on the form specified in the Invitation for Bids, and/or Advertisements for Bids. No other Bond Form or form of bid security will be acceptable. Failure to comply with this section shall cause a rejection of bids.

ARTICLE 11 – RETURN OF PROPOSAL GUARANTIES

The Proposal guaranties and good faith deposits will be returned within fifteen (15) days following the award of the Contract and that of the successful bidder upon the execution of the Contract.

ARTICLE 12 – EXAMINATION OF DOCUMENTS

The bidder is required to examine the site of the work, and to examine and become familiar with the form of the Proposal, plans, specifications and all other Contract Documents pertaining to the proposed work, and the submission of a bid shall be sufficient to establish the presumption that the Bidder has investigated the site of the work and is satisfied as to all conditions to be encountered, the character, quantity and quality of the work to be performed and materials furnished in the completion thereof. Requests for interpretation arising out of this Article must be presented in writing at least five (5) days before bid dates to the Project Manager.

ARTICLE 13 – BID BONDS, BONDS AND INSURANCE

13.1 Bid Guarantee:

Bidders may be required to submit a Bid Guarantee in an amount indicated in the NOTICE TO BIDDERS. The Bid Guarantee must be submitted with the Bid or the Bid will be rejected by the City. This Guarantee may be a Certified or Cashier's Check on a solvent National or State Bank transacting business in Broward County, Florida, or a Bid Bond written by a Surety licensed to do business in the State of Florida and having a Resident Agent in the State of Florida.

The Surety must be listed in the United States Department of Treasury's Circular 750 and rated at least "A", Class X in the latest edition of "Best Key Rating Guide" published by A.M. Best & Company.

13.2 CONTRACTOR shall furnish Performance and Payment Bond, in an amount equal to the Contract Price as Security for the faithful performance and payment of the obligations. The Bond or Bonds shall remain in effect one year after the date of final payment or the City may require an additional Bond which shall be conditioned upon the Contractor following written notification by the City will correct any defective or faulty work or materials that appear within one year after final completion of the contract. The Surety must be qualified as specified above in Paragraph 13.1.

13.3 Signatures:

All Bonds signed by an Agent must be accompanied by a Certified copy of the Agent's authority to act with said copy having been signed (not typed nor printed) by an Officer of the Surety and carrying the seal of the Surety.

13.4 Insurance Coverage:

Within ten days from Notice of Award the CONTRACTOR shall purchase and maintain such insurance as will protect him from claims set forth below which may arise out of or result from CONTRACTOR'S operations under the Contract, whether such operations by himself or by any Sub-Contractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be be liable:

- A. Claims under Worker's Compensation, Employer's Liability, Disability Benefit and other similar employee benefits acts as required by the "Worker's Compensation Law" of the State of Florida;
- B. Claims for damages because of bodily injury, occupation, sickness or disease, or death of his employees;
- C. Claims for damages because of bodily injury, sickness or disease, or death of any person other than his employees;
- D. Claims for damages insured by usual personal injury liability coverage which are sustained (1) by any person as a result of any offense directly or indirectly related to the employment of such person by the CONTRACTOR, or (2) by any other person;
- E. Claims for damages, other than to the work itself, because of injury to or destruction of tangible property, including loss of use resulting therefrom; and
- F. Claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.
- G. If operations are to be undertaken on or about navigable waters, coverage must be included for the U.S. Longshoremen & Harbor Workers Act and Jones Act.

13.5 Certificates of Insurance:

Certificates of Insurance shall contain a provision that coverages afforded under the policies will not be cancelled or materially modified until at least 30 days prior written notice has been given to the CITY. The City of Hollywood must be named as additional insured on all coverage with the exception of Worker's Compensation, Employer's Liability, Disability Benefit and other similar employee benefit coverage. Policies shall be issued by companies authorized to do business under the Laws of the State of Florida. Policyholders and Financial Ratings must be no less than "A" and Class X respectively in the latest edition of "Best's Key Rating Guide", published by A.M. Best Company. Any SubContractor used by the contractor shall supply such similar insurance required of the contractor. Such certificates shall name the City as Additional Insured on the general liability and auto liability policies.

13.6 Insurance Limits of Liability:

The insurance required by this Article shall be written for no less than the level of liability specified in "Insurance Requirements", Section 1.03 of the Supplementary Conditions, or required by law, whichever is greater. The insurance shall include contractual liability insurance applicable to the CONTRACTOR'S obligations under this contract.

The level required in Section 1.03 of the Supplementary Conditions will not be reduced for any reason.

ARTICLE 14 – AVAILABILITY OF LAND; REFERENCE POINTS

14.1 Rights-of-Way:

Lands or Rights-of-Way for the work to be constructed under the Contract will be provided by the CITY. Nothing contained in the Contract Documents shall be interpreted as giving the CONTRACTOR exclusive occupancy of the lands or Rights-of-Way provided. Any additional lands or Rights-of-Way required for construction operations shall be provided by the CONTRACTOR at his own expense; provided, that the CONTRACTOR shall not enter upon nor use any property not under the control of the CITY until a written Agreement has been executed, and a copy of said Agreement furnished to the ENGINEER OWNER'S REPRESENTATIVE prior to said use; and neither the CITY nor the ENGINEER OWNER'S REPRESENTATIVE shall be liable for any claims or damages resulting from the CONTRACTOR'S unauthorized trespass or use of any such properties.

14.2 Permits

When required by Section 1.06 of the Supplementary Conditions, the CONTRACTOR shall secure, from the agencies having jurisdiction, the necessary permits to create obstructions, to make excavations if required under the Contract, and to otherwise encroach upon Rights-of-Way, and to present evidence to the ENGINEER OWNER'S REPRESENTATIVE that such permission has been granted, before work is commenced. Regulations and requirements of all agencies concerned shall be strictly adhered to in the performance of the Contract. The enforcement of such requirements under the Contract shall not be made the basis for additional compensation.

14.3 Lines and Grades:

The CONTRACTOR shall furnish all surveying services required to perform all work required under this Contract.

ARTICLE 15 – CONTRACTOR’S RESPONSIBILITIES

15.1 Laws/ Regulations to Be Observed:

The CONTRACTOR shall familiarize himself and comply with all Federal, State, County and CITY laws, by-laws, ordinances or regulations controlling the action or operation of those engaged or employed in the work or affecting material used, and governs himself in accordance with them. He shall indemnify and save harmless the CITY and all of its officers, agents and employees against any claims or liability arising from or based on the violation of any such laws, by-laws, ordinances, regulations, orders or decrees, whether by himself or his employees, agents, or Sub-Contractors.

In accordance with this requirement, it has not been considered necessary to enumerate all wiring, plumbing and other requirements covered by the codes. The CONTRACTOR in making his bid agrees that the requirements of such codes and regulations will be as carefully adhered to be him as if they were specifically set forth in the specifications.

The CONTRACTOR warrants that the products and services supplied to the City of Hollywood shall conform in all respects to the standard set forth in the Occupational Safety and Health Act of 1970, as amended.

15.2 Responsibility for Claims, etc:

In consideration of \$25.00, and other valuable, separate and distinct consideration, the CONTRACTOR shall indemnify and save harmless the CITY and all of its officers, agents and employees and CONSULTANT from all suits, actions, or claims brought because of any injury or damages received or sustained by any person, persons, or property on account of the said CONTRACTORS operations to this Contract during or on account of or in consequence of any neglect in safeguarding the work, or through the use of unacceptable materials in constructing the work, or because of any act or omission by the CONTRACTOR; or on account of, any operations connected with the construction of this Project (including the Warranty Period) or in consequence of any negligence excluding the sole negligence

of the City or Consultant, in connection with same, because of any claims or amounts recovered from any infringement of patent, trademark or copyright, or from any claims or amounts arising or recovered under the Worker's Compensation Law or any other laws, and the ENGINEER OWNER'S REPRESENTATIVE may regain monies due the CONTRACTOR and/or hold the Surety and/or the Insurance until such suits, actions or claims for damages or injuries shall have been settled and suitable written evidence to that effect furnished the ENGINEER OWNER'S REPRESENTATIVE. The CONTRACTOR, or his Surety, or his Insurer, shall reimburse the CITY in enforcing the provisions of this Paragraph. These indemnifications shall survive the term of this Contract.

15.3 Guarantee of Payments:

The CONTRACTOR guarantees the payment of all just claims for materials, supplies, tools, labor and other just claims against him, or any Sub-Contractor in connection with this Contract, and his bond will not be released by final acceptance and payment by the CITY unless all such claims are paid or released.

15.4 Surveys, Permits and Licenses:

The CONTRACTOR shall obtain all required permits and licenses as specified in Section 1.06 of the Supplementary Conditions and by Section 105 of the Florida Building Code 2010. Such permits and licenses, along with any corresponding general and specification conditions and requirements, shall become a part of the contract documents. The CONTRACTOR shall comply with all of the conditions and requirements of said permits and licenses.

Payment for all required permit and license fees shall be in accordance with Section 1.06 of the Supplementary Conditions. The CONTRACTOR shall be responsible for paying any and all fees, penalties, and fines imposed as a result of the CONTRACTOR'S failure to obtain such permits and licenses prior to the commencement of the work.

15.5 Emergencies:

In emergencies affecting the safety or protection of persons or the work or property at the site or adjacent thereto, CONTRACTOR, without special instruction or authorization from ENGINEER OWNER'S REPRESENTATIVE or CITY, is obligated to act to prevent threatened damage, injury or loss. CONTRACTOR shall give ENGINEER OWNER'S

REPRESENTATIVE prompt written notice of any significant changes in the work or deviations from the Contract Documents caused thereby.

15.6 Measurements To Be Verified:

Before ordering any material or doing any work, the CONTRACTOR shall verify all measurements at the site and shall be responsible for the correctness of same. No extra charge or compensation will be allowed on account of difference between actual dimensions and the measurements indicated on the drawings; any difference which may be found, shall be submitted to the Consultant for consideration before proceeding with the work.

15.7 Grouping of Data in Specifications:

Titles to divisions and paragraphs in these Contract Documents are introduced merely for convenience and are not to be taken as a correct or complete segregation of the several units of material and labor. No responsibility, either direct or implied, is assumed by the Owner for omission or duplications by the CONTRACTOR or his Sub-Contractors, due to real or alleged error in arrangement of matter in these Contract Documents.

15.8 Substitutes or "Or Equal":

A. Substitutes or "Or Equal" Materials or Equipment:

Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular supplier the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by words indicating that no substitution is permitted, materials or equipment or other Suppliers may be accepted by the ENGINEER OWNER'S REPRESENTATIVE if sufficient information submitted by the CONTRACTOR to allow the ENGINEER OWNER'S REPRESENTATIVE to determine that the material or equipment proposed is equivalent or equal to that named. The ENGINEER OWNER'S REPRESENTATIVE will be allowed a reasonable time within which to evaluate each proposed substitute. The ENGINEER OWNER'S REPRESENTATIVE will be the sole judge of acceptability, and NO SUBSTITUTE WILL BE ORDERED, INSTALLED OR UTILIZED WITHOUT THE ENGINEER'S OWNER'S REPRESENTATIVE PRIOR WRITTEN ACCEPTANCE which

will be evidenced by either a Change Order or an approved set of Shop Drawings. Requests for review of substitute items of material and equipment will not be accepted by the ENGINEER OWNER'S REPRESENTATIVE from anyone other than the CONTRACTOR. The procedure for review by the ENGINEER OWNER'S REPRESENTATIVE is as follows:

If the CONTRACTOR wishes to furnish or use a substitute item of material or equipment, the CONTRACTOR shall make written application to the ENGINEER OWNER'S REPRESENTATIVE for acceptance thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as that specified. In addition, the application shall:

1. State that the evaluation and acceptance of the proposed substitute will not prejudice the CONTRACTOR'S achievement of completion on time.
2. State whether or not acceptance of the substitute for use in the WORK will require a change in any of the Contract Documents to adapt design to the proposed substitute.
3. State whether or not incorporation or use of the substitute in connection with the work is subject to payment of any license fee or royalty.
4. Provide complete substitute identification and description, including manufacturer's and local distributor's name and address, performance and test data, and reference standards.
5. Provide samples, as required by ENGINEER OWNER'S REPRESENTATIVE.
6. Provide name and address of similar projects on which the proposed substitute has been used, and date of installation.
7. Identify all variations of the proposed substitute from that specified.
8. Indicate available maintenance, repair and replacement service.

9. Submit an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other CONTRACTORS affected by the resulting change.
10. Provide any additional data about the proposed substitute as the ENGINEER OWNER'S REPRESENTATIVE may require of the CONTRACTOR.

B. Substitute means, method, technique, sequence or procedure of construction:

If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, the CONTRACTOR may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to the ENGINEER, OWNER'S REPRESENTATIVE, if the CONTRACTOR submits sufficient information to allow the ENGINEER OWNER'S REPRESENTATIVE to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents. The procedure for review by the ENGINEER OWNER'S REPRESENTATIVE will be similar to that provided in Paragraph 15.8 A.

- C. The CITY may require the CONTRACTOR to furnish at the CONTRACTOR'S expense, a special performance guarantee or other surety with respect to any substitute.
- D. The ENGINEER OWNER'S REPRESENTATIVE will record time required by himself or herself in evaluating substitutions proposed by the CONTRACTOR and in making changes in the Contract Documents occasioned thereby. Whether or not the ENGINEER OWNER'S REPRESENTATIVE accepts a proposed substitute, THE CONTRACTOR SHALL REIMBURSE THE CITY FOR THE CHARGES OF THE ENGINEER OWNER'S REPRESENTATIVE AND THE ENGINEER'S OWNER'S REPRESENTATIVE'S CONSULTANTS FOR EVALUATING EACH PROPOSED SUBSTITUTE.

15.9 Shop Drawings:

Shop Drawing submittals shall be as follows:

- A. The CONTRACTOR shall submit a sufficient number of copies of each Shop Drawing to enable the ENGINEER OWNER'S REPRESENTATIVE to retain three copies. Resubmissions of Shop Drawings shall be made in the same quantity until final approval is obtained.
- B. The CONTRACTOR shall submit Shop Drawings for all equipment, apparatus, machinery, fixtures, piping, fabricated structures, manufactured articles and structural components as listed in Section 1.05 of the Supplementary Conditions. CONTRACTOR shall also provide for all items so noted in Section 1.05 of the Supplementary Conditions, a Manufacturer's Certified Affidavit that the item supplied complies with the design Specifications.
- C. When required by Section 1.05 of the Supplementary Conditions, Shop Drawings for structural components, electrical or mechanical systems shall be Certified by a Registered OWNER'S REPRESENTATIVE of the discipline involved.
- D. The CONTRACTOR shall thoroughly review and check the Shop Drawings, and each and every copy shall show his approval thereon. If the Shop Drawings show or indicate departures from the Contract requirements, the CONTRACTOR shall make specific mention thereof in his letter of transmittal. Failure to point out such departures shall not relieve the CONTRACTOR from his responsibility to comply with the Drawings and Specifications.
- E. No approval will be given to partial submittals of Shop Drawings for items, which interconnect and/or are interdependent. It is the CONTRACTOR'S responsibility to assemble the Shop Drawings for all such interconnecting and/or interdependent items, check them himself and then make one submittal to the ENGINEER OWNER'S REPRESENTATIVE along with his comments as to compliance, non-compliance, or features requiring special attention.

- F. If catalog sheets or prints of manufacturer's standard drawings are submitted as Shop Drawings, any additional information or changes on such Drawings shall be typewritten or lettered in ink.
- G. The CONTRACTOR shall keep one set of Shop Drawings marked with the ENGINEER OWNER'S REPRESENTATIVE'S approval at the job site at all times.
- H. Where a Shop Drawing or sample is required by the Specifications, no related work shall be commenced until the submittal has been reviewed and approved by the ENGINEER OWNER'S REPRESENTATIVE.
- I. Approval of the Shop Drawings shall constitute approval of the subject matter thereof only, and not of any structure, material, equipment or apparatus shown or indicated. The approval of the Shop Drawings will be general and shall not relieve the CONTRACTOR of responsibility for the accuracy of such Drawings, nor for the proper fitting and construction of the work, nor for the furnishing of materials or work required by the contract and not indicated on the Drawings. Approval shall not relieve the CONTRACTOR from responsibility for errors or omissions of any sort on the Shop Drawings.

15.10 Personnel:

A. Supervision and Superintendence:

- 1. The CONTRACTOR shall supervise and direct the work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the work in accordance with the Contract Documents. The CONTRACTOR shall be solely responsible for the means, methods, techniques, sequences and procedures of construction, but the CONTRACTOR shall not be solely responsible for the negligence of others in the design or selection of a specific means, method, technique, sequence or procedure of construction which is indicated in and required by the Contract Documents. The CONTRACTOR shall be responsible to see that the finished work complies accurately with the Contract Documents.

2. The CONTRACTOR shall keep on the work at all times during its progress a competent resident Superintendent fluent in both oral and written communication in the English language, who shall not be replaced without prior written notice to the ENGINEER OWNER'S REPRESENTATIVE except under extraordinary circumstances. The Superintendent will be the CONTRACTOR'S representative at the site and shall have authority to act on behalf of the CONTRACTOR. All communications given to the Superintendent shall be as binding as if given to the CONTRACTOR.

B. Workforce:

1. None but skilled workers shall be employed by CONTRACTOR on work requiring special qualifications. When required in writing by the ENGINEER OWNER'S REPRESENTATIVE the CONTRACTOR or any Sub CONTRACTOR shall discharge any person who is, in the opinion of the ENGINEER OWNER'S REPRESENTATIVE, incompetent, disorderly or otherwise unsatisfactory, and shall not again employ such discharged person on the work except with the consent of the ENGINEER OWNER'S REPRESENTATIVE. The Workers are not employed, directly or indirectly, by the City and are not entitled to any benefit, privilege or incident of municipal employment. Such discharge shall not be the basis of any claim for damages against the CITY or any CITY agents and such discharge is covered by Section 15.2 herein.
2. To the extent allowed by law, with respect to all skilled, semi-skilled and unskilled workers employed on the Project under this Contract, preference in employment shall be given to persons residing in Hollywood when such persons are available and qualified to perform the work to which the employment relates. No person shall be employed in violation of the State or National labor Laws. No person under the age of 16 years shall be employed on a Project under the Contract. No person whose age or physical condition is such as to make his employment dangerous to his health or safety or to the health or safety of others shall be employed on the Project under this Contract; provided

that this shall not operate against the employment of physically handicapped persons, otherwise employable where such persons may be safely assigned to work which they can ably perform.

3. No discrimination shall be made in the employment of persons on the work by the CONTRACTOR or by any Sub-Contractor under him, because of the race, color, sex, age or religion of such persons, and there shall be full compliance with the provisions of applicable State and Federal laws in this regard.

15.11 Safety and Protection:

A. Federal Safety and Health Regulations:

The CONTRACTOR and Sub-Contractors shall comply with the provisions of the Occupational Safety and Health Standards, promulgated by the Secretary of Labor under the "Occupational Safety and Health Act of 1970", as amended from time to time.

B. Responsibilities:

The CONTRACTOR shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work. The CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

1. All employees on the work and other persons who may be affected thereby.
2. All the work and all materials or equipment to be incorporated therein, whether in storage on or off the site.
3. Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures and Services not designated for removal, relocating or replacement in the course of construction.

C. Designated Safety Officer:

The CONTRACTOR shall designate a responsible member of his organization at the site whose duty shall be the prevention of accidents. This person shall be the CONTRACTOR'S Superintendent unless otherwise designated in writing by the CONTRACTOR to the OWNER'S REPRESENTATIVE.

D. Protection of the Work:

Until acceptance of the work by the CITY, it shall be under the charge and in care of the CONTRACTOR and he shall take every necessary precaution against injury or damage to the work by action of the elements or from the execution or from the non-execution of the work. The CONTRACTOR shall rebuild, restore and make good, at his own expense, all injuries or damages to any portion of the work occasioned by any of the above causes before its completion and acceptance.

CONTRACTOR shall take every reasonable precaution to secure and safeguard materials, equipment, supplies and other items used in prosecution of the work including, without limitation, using barriers, locks, storage sheds, and similar measures.

E. Prevailing Wage Rate Ordinance: If the Contract is in excess of \$500,000.00 the following sections shall apply.

1. The rate of wages and fringe benefit payments for all laborers, mechanics, and apprentices shall not be less than those payments for similar skills in classifications of work in a like construction industry as determined by the Secretary of Labor and as published in the Federal Register.
2. All mechanics, laborers, and apprentices, employed or working directly upon the site of the Work shall be paid in accordance with the above referenced wage rates. CONTRACTOR shall post notice of these provisions at the site of the Work in a prominent place where it can be easily seen by the workers.

3. If the parties cannot agree on the proper classification of a particular class of laborers or mechanics or apprentices to be used, the Owners Representative shall submit the question, together with its recommendation, to the County Administrator for final determination.
4. In the event it is found by the Owners Representative that any laborer or mechanic or apprentice employed by CONTRACTOR, or any subcontractor directly on the site of the work has been or is being paid at a rate of wages less than the rate of wages required, the Owners Representative may (1) by written notice to contractor terminate its right to proceed with the Work or such part of the Work for which there has been a failure to pay said required wages; and (2) prosecute the Work for or portion thereof to completion by contract or otherwise. Whereupon, CONTRACTOR and its sureties shall be liable to county for any excess costs occasioned to county thereby.
5. Sections 23.4.1 through 23.4.4 above shall apply to this Contract to the extent that it is (1) a prime Contract subject to the rules and requirements of the City; or (2) a Subcontract also subject to the rules and requirements of the City under such prime Contract.
6. CONTRACTOR shall maintain payrolls and basic records relating thereto during the course of the Work and shall preserve such records for a period of three (3) years thereafter for all laborers, mechanics, and apprentices working at the site of the Work. Such records shall contain the name and address of each such employee; its current classification; rate of pay (including rates of contributions for, costs assumed to provide, fringe benefits); daily and weekly number of hours worked; deductions made; and actual wages paid.
7. CONTRACTOR shall submit, with each requisition for payment, a signed and sworn "Statement of Compliance" attesting to compliance.
8. The Owners Representative may withhold or cause to be withheld from CONTRACTOR so much of the

payments requisitioned as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, watch-persons, and guards employed by CONTRACTOR or any Subcontractor on the Work, the full amount of wages required by the Contract.

9. If CONTRACTOR or any Subcontractor fails to pay any laborer, mechanic, or apprentice employed or working on the site of the Work all or part of the wages required by the Contract, the Owners Representative may, after written notice to CONTRACTOR, take such action as may be necessary to cause suspension of any further payments or advances until such violations have ceased.

F Occupational Health and Safety

1. In compliance with Chapter 442, Florida Statutes, any toxic substance listed in Section 38F-41.03, Florida Administrative Code, delivered as a result of this Project must be accompanied by a Material Safety Data Sheet (MSDS) which may be obtained from the manufacturer. The MSDS must include the following information:
 - 1.1 The chemical name and the common name of the toxic substance, including:
 - 1.2 The hazards or other risks in the use of the toxic substance, including:
 - (1) The potential for fire, explosion, corrosion, and reaction;
 - (2) The known acute and chronic health effects of risks from exposure, including the medical conditions which are generally recognized as being aggravated by exposure to the toxic substance; and
 - (3) The primary routes of entry and symptoms of overexposure.

- 1.3 The proper precautions, handling practices, necessary personal protective equipment, and other safety precautions in the use of or exposure to the toxic substances, including appropriate emergency treatment in case of overexposure.
- 1.4 The emergency procedure for spills, fire, disposal, and first aid.
- 1.5 A description in lay terms of the known specific potential health risks posed by the toxic substance intended to alert any person reading this information.
- 1.6 The year and month, if available, that the information was compiled and the name, address, and emergency telephone number of the manufacturer responsible for preparing the information.

G. Hurricane Precautions

1. During such periods of time as are designated by the United States Weather Bureau as being a hurricane warning or alert, the CONTRACTOR, at no costs to the City, shall take all precautions necessary to secure the project site in response to all threatened storm events, regardless of whether the City or CONSULTANT has given notice of same.
2. Compliance with any specific hurricane warning or alert precautions will not constitute additional work.
3. Suspension of the Work caused by a threatened or actual storm event, regardless of whether the City has directed such suspension, will entitle the CONTRACTOR to additional Contract Time as non-compensable, excusable delay, and shall not give rise to a claim for compensable delay.

15.12 Traffic Control, Public Safety and Convenience:

- A. The maintenance of traffic for the project shall be in accordance with the Manual on Uniform Traffic Control Devices (U.S Department of Transportation FHWA).
- B. The CONTRACTOR shall, at all times, conduct his work so as to assure the least possible obstruction to traffic and inconvenience to the general public, and provide adequate protection of persons and property in the vicinity of the work.
- C. WHEN THE NORMAL FLOW OF TRAFFIC WILL BE IMPAIRED OR DISRUPTED IN ANY MANNER ON ANY STREET, THE CONTRACTOR SHALL NOTIFY THE POLICE TRAFFIC SERGEANT AT 921-3610 AT LEAST 24 HOURS IN ADVANCE.
- D. Streets shall not be closed, except when and where directed by the ENGINEER OWNER'S REPRESENTATIVE , and whenever a street is not closed the work must be conducted with the provision for safe passageway for traffic at all times. The CONTRACTOR shall make all necessary arrangements concerning maintenance of traffic and selection of detours required.
- E. When permission has been granted to close an existing roadway, or portion thereof, the CONTRACTOR shall furnish and erect signs, barricades, lights, flags and other protective devices as necessary subject to the approval of the ENGINEER OWNER'S REPRESENTATIVE. Type I, II, III or Drum Barricades used for delineation at night shall be equipped with steady burn lights. High Intensity flashing arrow boards shall be used if required by the OWNER'S REPRESENTATIVE.
- F. All signs intended to be used during the hours of darkness shall be either reflectorized with a material that has a smooth, sealed outer surface, or illuminated to show approximately the same shape and color day and night. All pavement markings which are to be in place during night hours shall have temporary reflective pavement markers placed in accordance with the MUTCD. Any conflicting reflective pavement markers shall be removed.

- G. During working hours the CONTRACTOR shall furnish flagmen in sufficient numbers to protect and divert the vehicular and pedestrian traffic from working areas closed to traffic, or to protect any new work. Failure to comply with this requirement will result in the OWNER'S REPRESENTATIVE shutting down the work until the CONTRACTOR shall have provided the necessary protection.
- H. No separate payment will be made for such signs, barricades, lights, flags, flagmen or other protective devices as required, with all costs thereof deemed to be included in the prices bid for the various items scheduled in the bid.
- I. Sidewalks, gutters, drains, fire hydrants and private drives shall, insofar as practicable, be kept in condition for their intended uses. While the work is actually going on at any location, as much as half the street width at that location may be barricaded to exclude traffic entirely, but street traffic shall not be obstructed needlessly. Fire hydrants on or adjacent to the work shall be kept accessible to fire apparatus at all times, and no material or obstruction shall be placed within ten feet of any such hydrant.
- J. Construction material stored upon the public street shall be placed so as to cause as little obstruction to the general public as is reasonably possible.

15.13 Use of Explosives:

When the use of explosives is necessary for the prosecution of the work, the CONTRACTOR shall observe the utmost care so as not to endanger life or property, and whenever directed, the number and size of charges shall be limited. All explosives shall be stored in a secure manner and all such storage places shall be marked clearly "DANGEROUS EXPLOSIVES" and shall be in care of a competent watchman at all times. The CONTRACTOR must familiarize himself with all laws and ordinances pertaining thereto, and govern himself and his employees accordingly.

15.14 Loading of Structures:

The CONTRACTOR shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall the CONTRACTOR subject any part of the work or adjacent property to stresses or pressures that will endanger it.

15.15 Concerning Sub-Contractors:

- A. The CONTRACTOR, with his own forces, shall perform no less than 25% of the work as determined by the Contract price. Each Sub-Contractor shall be properly licensed for the type of work he is to perform.
- B. A copy of each Sub-Contract shall be filed promptly with the ENGINEER OWNER'S REPRESENTATIVE upon request. Each Sub-Contract shall contain a reference to the Contract between the CITY and the CONTRACTOR, and the terms and conditions of the Contract shall be made a part of each Sub-Contract. Each Sub-Contract shall provide for cancellation or annulment of same by the CONTRACTOR upon written order of the ENGINEER OWNER'S REPRESENTATIVE if the Sub-Contractor fails to comply with the requirements of this Contract.
- C. The CONTRACTOR shall be responsible to the CITY and ENGINEER OWNER'S REPRESENTATIVE for the acts and omissions of his Sub- CONTRACTORS and their employees to the same extent as he is responsible for the acts and omissions of his own employees. Nothing contained in this Contract shall create any contractual relationship between any Sub-Contractor and the CITY or ENGINEER OWNER'S REPRESENTATIVE nor relieves the CONTRACTOR of any liability or obligation under this Contract.

15.16 Materials and Equipment:

- A. Material for the Work:
 - 1. The CONTRACTOR shall furnish all materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water and sanitary facilities and all other facilities and incidentals necessary for the execution, testing, initial operation and completion of the work.
 - 2. Unless otherwise specified, shown or permitted by the ENGINEER OWNER'S REPRESENTATIVE, all material and equipment incorporated in the work shall be new and of current manufacture. The ENGINEER OWNER'S REPRESENTATIVE may request the

CONTRACTOR to furnish manufacturer's certificates to this effect.

3. The ENGINEER OWNER'S REPRESENTATIVE may require any or all materials to be subjected to test by means of samples or otherwise, at production points or after delivery. The CONTRACTOR shall afford such facilities as the ENGINEER OWNER'S REPRESENTATIVE may require for collecting and forwarding samples, which samples shall be furnished by the CONTRACTOR without charge. The CONTRACTOR shall furnish evidence satisfactory to the ENGINEER OWNER'S REPRESENTATIVE that the materials and finished articles have passed the required test prior to the incorporation of such materials and finished articles in the work. Unless otherwise provided, the cost of such inspection and testing shall be as provided in Article 12.2.
4. All packaged manufactured products for use on the work shall be delivered to the work in their original, unopened packages, bearing thereon the manufacturer's name and the brand name of the product.
5. Wherever any product or material is selected to be used on the work, all such products or material shall be of the same brand and manufacture throughout the work.
6. All equipment, tools and machinery used for handling material or executing any part of the work shall be subject to the approval of the ENGINEER OWNER'S REPRESENTATIVE and shall be maintained in a satisfactory working condition. All equipment utilized on any portion of the work shall be such that no injury to personnel, the work, adjacent property or other objects will result from its use.
7. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable manufacturer, fabricator, supplier or distributor, except as otherwise provided in the Contract Documents.

B. Storage of Materials:

1. All materials and equipment including that ordered by the CITY designed for permanent installation in the work shall be properly stored by the CONTRACTOR to insure protection against deterioration of any type. These materials shall be placed as to cause a minimum of inconvenience to other contractors on the work and to the public. The storage piles shall be arranged to facilitate inspections, and any deterioration shall be grounds for rejection.
2. Materials stored in public Rights-of-Way, shall be stored in such a manner so as to be compatible with the Traffic Control requirements set forth in Paragraph 7.10 15.12. Materials shall be stored so as not to deny access to public or private property. Stored materials shall be adequately marked with barricades and/or flashing warning lights, where necessary, so as to protect the materials from damage and to protect the public health, safety and welfare.
3. Lawns, grass plots or other private property shall not be used for storage purposes without written permission of the Owner or Lessee of that private property. Should the CONTRACTOR desire to store equipment or materials of any kind on the property of the CITY, he must obtain permission from the ENGINEER OWNER'S REPRESENTATIVE. The CITY reserves the right to order materials to be removed or relocated in such approved storage areas, if necessary.
4. The protection of stored materials shall be the CONTRACTOR'S responsibility and the City of Hollywood shall not be liable for any loss of materials, by theft or otherwise, nor for any damage to the stored materials.

C. Salvage of Materials and Equipment:

The CITY reserves the right to retain title to all soil, sand, stone, gravel, equipment, machinery or any other material that was a part of the structure, site or Right- of-Way and which was developed from excavations or other operations

connected with the work. The CONTRACTOR will be permitted to use in the work, without charge, any such material which meets the requirements of the Contract Documents. For that material which the CITY desires to retain the CONTRACTOR shall, at his expense, transfer to a site within the CITY as designated by the OWNER'S REPRESENTATIVE. That material which the CITY does not wish to retain shall be the property of the CONTRACTOR and removed from the site at CONTRACTOR'S expense.

15.17 Temporary Services:

The CONTRACTOR shall provide and maintain at his own expense, all water, power, telephone and sanitary facilities as required to comply with State and/or local Codes and Regulations. If water, including that for testing is required, it is the CONTRACTOR'S responsibility to arrange through the CITY Water Department for a 2" water meter. A deposit to be paid by the CONTRACTOR is required for meter rental and all water shall be purchased at the prevailing rate.

15.18 Review of Records:

The CONTRACTOR shall allow and permit the ENGINEER OWNER'S REPRESENTATIVE or his duly authorized representative to inspect and review all payrolls, records of personnel, conditions of employment, invoice of materials, books of accounts and other relevant data and records pertinent to the CONTRACT and Sub-Contracts.

15.19 Use of Premises:

CONTRACTOR shall confine construction equipment, the storage of materials and equipment and the operations of workmen to areas permitted by law, ordinances, permits or the requirements of the Contract Documents, and shall not unreasonably encumber the premises with construction equipment or other materials or equipment.

15.20 CONTRACTOR Liable and Responsible to the Owner:

The CONTRACTOR shall be held liable by the OWNER for the performance of all the work provided for under this CONTRACT. These specifications make no attempt to fix the scope of the work of any sub-Contractor or the responsibilities of any such Sub-

Contractor, it being understood that the CONTRACTOR shall fix the scope of work and responsibilities of the Sub-Contractor.

Any disputes which may arise in this connection between the CONTRACTOR and any Sub-Contractor must be settled between the parties concerned and the OWNER will not undertake, nor be in any way responsible for, the settlement of such disputes.

No Sub-Contractor shall under condition, relieve the CONTRACTOR of his liabilities and obligations to the OWNER under his CONTRACT and the CONTRACTOR shall be solely responsible to the OWNER as provided for herein.

15.21 CONTRACTOR's Daily Reports:

Except where otherwise provided, the CONTRACTOR shall complete a daily report indicating manpower, major equipment, Sub-Contractors, etc., involved in the performance of the work. The daily report shall be completed on forms prepared by the ENGINEER OWNER'S REPRESENTATIVE, and shall be submitted to the ENGINEER OWNER'S REPRESENTATIVE at the conclusion of each work day.

15.22 Record Documents:

The CONTRACTOR shall keep one record copy of all Specifications, Drawings, Addenda, Modifications, Shop Drawings and samples at the site, in good order and annotated to show all changes made during the construction process. These shall be available to OWNER'S REPRESENTATIVE for examination and shall be delivered to OWNER'S REPRESENTATIVE upon completion of the work.

15.23 Cleanliness of the Site:

During the progress of the work, The CONTRACTOR shall keep the premises free from accumulations of waste materials, rubbish and other debris resulting from the work. At the completion of the work the CONTRACTOR shall remove all waste materials, rubbish and debris from and about the premises as well as all tools, appliances, construction equipment and machinery and surplus materials, and shall leave the site clean and ready for occupancy by the CITY. The CONTRACTOR shall restore to their original condition those portions of the site not designated for alteration by the Contract Documents.

15.24 Dust Control:

It shall be the CONTRACTOR'S responsibility to control dust by watering as directed by the OWNER'S REPRESENTATIVE. The water used shall be paid for by the CONTRACTOR. Should the CONTRACTOR fail to control dust to the satisfaction of the OWNER'S REPRESENTATIVE, the CITY will control the dust by whatever means the CITY desires and the CONTRACTOR shall pay all expenses incurred by the CITY associated with the control of the dust.

15.25 Continuing the Work:

The CONTRACTOR shall carry on the work and maintain the Progress Schedule during all disputes or disagreements with the CITY. No work shall be delayed or postponed pending resolution of any disputes or disagreements, except as the CONTRACTOR and the CITY may otherwise agree in writing.

15.26 Indemnification:

The CONTRACTOR shall indemnify and hold harmless the CITY, its officers and employees, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the CONTRACTOR and persons employed or utilized by the CONTRACTOR in the performance of this Contract. These provisions shall survive the expiration or earlier termination of this Contract. Nothing in this contract shall be construed in any way to affect the sovereign immunity of the CITY or the rights of the CITY as set forth in Florida Statutes 768.28, as amended from time to time.

ARTICLE 16 - CITY'S RESPONSIBILITIES

16.1 Communications:

The CITY shall issue all communications to the CONTRACTOR through the ENGINEER OWNER'S REPRESENTATIVE.

16.2 Furnish Contract Documents:

The CITY shall furnish an appropriate number of Contract Documents to the CONTRACTOR at no cost. Referenced Standard Specifications will not be provided, however, the procurement address and cost, if any, will be stated in the Supplementary

Conditions.

16.3 Furnish Right-of-Way:

The CITY shall furnish the necessary land or Right-of-Way on which the work is to be accomplished, and will provide lines and grades as specified in Article 6.

16.4 Timely Delivery of Materials:

The CITY shall be responsible for the timely delivery of any CITY furnished material, equipment or labor such that the CONTRACTOR shall not incur damage solely due to delayed delivery.

16.5 Tests and Inspections:

The CITY'S responsibility with respect to inspections, tests and approvals is set forth in Article 12.

16.6 Payments to CONTRACTOR:

The CITY'S responsibility with respect to making prompt payments to the CONTRACTOR is set forth in Article 13.

16.7 Right to Stop or Suspend Work:

The CITY'S right to stop or suspend work is set forth in Articles 9, 12 and 15 and the City's Right to Terminate Services of the CONTRACTOR is set forth in Article 15.

ARTICLE 17 - CHANGES IN THE WORK/CONTRACT PRICE

17.1 Contract Price:

The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to the CONTRACTOR for performing the work. All duties, responsibilities and obligations assigned to or undertaken by the CONTRACTOR shall be at his expense without change in the Contract Price or Time except as provided in Article 15.5.

17.2 Change Order:

The Contract Price and/or Time may only be changed by a Change

Order. All requests for change orders must comply with Section 38.47 of the City Code. A FULLY EXECUTED CHANGE ORDER FOR ANY EXTRA WORK MUST EXIST BEFORE SUCH EXTRA WORK IS BEGUN. Any claim for an increase or decrease in the Contract Price shall be based on written notice delivered by the party making the claim to the other party promptly (but in no event later than 15 days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the amount of the claim with supporting data shall be delivered within 30 days after such occurrence (unless more accurate data in support of the claim) and shall be accompanied by claimant's written statement that the amount claimed covers all known amounts (direct, indirect and consequential) to which the claimant is entitled as a result of the occurrence of said event. No claim for an adjustment in the Contract Price will be valid if not submitted in accordance with this Paragraph 17.2.T. The CITY shall execute appropriate Change Orders prepared by the ENGINEER OWNER'S REPRESENTATIVE or CONTRACTOR covering changes in the work which are required by the CITY, or required because of unforeseen physical conditions or emergencies, or because of uncovering work found to be defective, or where the quantity of the work with respect to any item that is covered by a unit price differs materially and significantly from the quantity of such work indicated in the Contract Documents, or because of any other claim of the CONTRACTOR for a change in the Contract Time or the Contract Price which is recommended by the ENGINEER OWNER'S REPRESENTATIVE.

17.3 Notice of Change:

If notice of any change affecting the general scope of the work or change in the Contract Price is required by the provisions of any Bond to be given to the Surety, it will be CONTRACTOR'S responsibility to so notify the Surety, and the amount of each applicable Bond shall be adjusted accordingly. The CONTRACTOR shall furnish proof of such adjustment to the CITY.

17.4 Payment for Extra Work:

All extra work ordered and performed in accordance with the foregoing, for which there is no price included in the Proposal, will be paid for at the price (mutually agreed upon, in writing, by the CONTRACTOR and the ENGINEER OWNER'S REPRESENTATIVE to be equitable compensation for the work contemplated) stipulated in the ENGINEER OWNER'S REPRESENTATIVE'S written order for such work subject to the

requirements of this Contract and applicable laws. However, in the event the CONTRACTOR and the ENGINEER OWNER'S REPRESENTATIVE fail to agree upon an equitable price for any extra work ordered, it shall be performed by using such tools, labor, equipment and materials as may be specified by the ENGINEER OWNER'S REPRESENTATIVE, and will be paid for in the following manner:

- A. For all labor, including a foreman in direct charge of the specified operations, the CONTRACTOR shall receive a sum equal to the current local rate of wages for every hour that the labor is actually engaged in such work, to which shall be added an amount equal to a maximum of 15% of such sum and a total thereof shall be full compensation to the CONTRACTOR for general supervision and for furnishing and repairing small tools and ordinary equipment used in doing the extra work. In addition, the CONTRACTOR shall be paid the actual cost of Social Security Taxes, Surety Bond, Unemployment Insurance, Workmen's Compensation Insurance and CONTRACTOR'S Public Liability and Property Insurance involved in such extra work, based on actual wages paid to such labor.
- B. For all materials used, the CONTRACTOR shall receive the actual cost of such materials, including freight charges as shown by original receipted bills, to which cost shall be added, an amount equal to a maximum of 10% thereof.
- C. For any special machinery or special equipment, including fuel and lubricants therefor, required for the economical performance of extra work, the ENGINEER OWNER'S REPRESENTATIVE shall allow the CONTRACTOR a reasonable rental price, to be agreed upon in writing before such work is begun, for every hour that such special machinery or equipment is used on the work. Rental time will not be allowed while equipment is inoperative due to breakdowns and shall be restricted to the actual time that the equipment is in productive operation on the extra work being performed.

17.5 Records:

The CONTRACTOR'S representative and the ENGINEER OWNER'S REPRESENTATIVE shall compare records of extra work done at the end of the day. Such records shall be made in duplicate upon a form provided for such purpose by the ENGINEER

OWNER'S REPRESENTATIVE and shall be signed by both the Inspector and the CONTRACTOR'S representative, one copy being submitted to the ENGINEER OWNER'S REPRESENTATIVE and the other being retained by the CONTRACTOR.

17.6 Cancelled Items and Payments:

The CITY COMMISSION shall have the right to cancel those portions of the Contract relating to the construction of any item provided therein. Such cancellation shall entitle the CONTRACTOR to payment in a fair and equitable amount covering all items of cost incurred by him prior to the date of cancellation or suspension of the work. The CONTRACTOR shall be allowed a profit percentage on the materials used and on construction work actually performed, at the same rates as provided for "Extra Work", but no allowance will be made for anticipated profits. Acceptable materials ordered by the CONTRACTOR or delivered on the work, prior to the date of such cancellation or suspension, shall be purchased from the CONTRACTOR by the CITY at actual cost and shall, thereupon, become the property of the CITY.

17.7 Full Payment:

The Compensation herein provided shall be received and accepted by the CONTRACTOR as payment in full for all extra work done or costs incurred in event of cancellation.

ARTICLE 18 - CHANGES IN THE CONTRACT TIME

18.1 Change Order:

The Contract Time may only be changed by a Change Order. A FULLY EXECUTED CHANGE ORDER MUST EXIST PRIOR TO EXTENSION OR SHORTENING OF THE CONTRACT TIME.

18.2 Notice:

Any claim for an extension or shortening of the Contract Time shall be based on written notice delivered by the party making the claim to the other party promptly (but in no event later than 15 days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the extent of the claim with supporting data shall be delivered within 30 days after such occurrence (unless ENGINEER OWNER'S REPRESENTATIVE allows an additional period of time to ascertain

more accurate data in support of the claim) and shall be accompanied by the claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant has reason to believe it is entitled as a result of the occurrence of said event. CONTRACTOR hereby agrees to waive rights to recover any lost time or incurred costs from delays unless CONTRACTOR has given the notice and the supporting data required by this Paragraph 18.2.

18.3 Basis for Extension:

Extensions of time shall be considered only for excusable delays and will be based solely upon the effect of delays to the work as a whole. Extensions of time shall not be granted for delays to the work, unless the CONTRACTOR can clearly demonstrate, through schedule analysis, that the delay to the work as a whole arose in accordance with Article 19.3 or Article 26.1, and that such delays did or will, in fact, delay the progress of work as a whole. Time extensions shall not be allowed for delays to parts of the work that are not on the critical path of the project schedule. Time extensions shall not be granted until all float or contingency time, at the time of the delay, available to absorb specific delays and associated impacts is used. Extensions of time via CONTRACTOR are final and CONTRACTOR may not come back at a later date and time and make any claim associated with the time extension.

18.4 Change of Time Due to Contract Execution Problems:

Refer to Article 3.4 for a decrease in Contract Time when the CONTRACTOR fails to return the correctly executed Contract Documents within the time allowed.

18.5 Change of Time Due to Substitution or Change Order Evaluation:

In rendering a substitution decision and when evaluating a proposed Change Order, the ENGINEER OWNER'S REPRESENTATIVE shall have access to any available float or contingency time. Extensions will only be considered in accordance with Article 18.3.

18.6 Change of Time and Inspection and Testing:

Neither observations by the ENGINEER OWNER'S REPRESENTATIVE, nor inspections, tests or approvals by others, passing or failing, will be cause for consideration of time extension.

18.7 Change of Time and Defective Work:

- A. If WORK is found to be defective, CONTRACTOR shall bear all remedial expenses including any additional costs experienced by CITY due to delays to others performing additional WORK. CONTRACTOR shall further bear the responsibility for maintaining schedule, and will be excluded from a time extension and the recovery of delay damages due to the uncovering.
- B. If the WORK is found to be defective per the Specifications, but the CITY chooses to accept it at its sole discretion, CONTRACTOR shall bear the responsibility for maintaining schedule, and will be excluded from a time extension and the recovery of delay damages due to the uncovering.
- C. If the WORK is suspended because of reasonable belief that it is defective and subsequent investigations and tests by the CITY find that the WORK is not defective or absolve the CONTRACTOR of the responsibility for the non-compliance, CONTRACTOR shall be allowed:
 - 1. An increase in Contract Price to recover the additional costs directly attributable to any uncovering, exposure, testing, inspection and reconstruction.
 - 2. An increase in Contract Time, but no increase in Contract Price as a result of the suspension of work. The only remedy for delay due to a suspension because of reasonable doubt that the work meets specifications will be a time extension pursuant to Article 11.3.

18.8 Liquidated and Consequential Damages:

All time limits stated in the Contract Documents are of the essence of the Contract. The provisions of this Article 18 shall not exclude recovery for damages as indicated in Section 1.09 of the Supplementary Conditions.

ARTICLE 19 - WARRANTY AND GUARANTEE;
TEST AND INSPECTIONS;
CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

19.1 Warranty and Guarantee:

The CONTRACTOR warrants and guarantees to the CITY and the ENGINEER OWNER'S REPRESENTATIVE that all work will be in accordance with the Contract Documents and will not be defective. Prompt notice of all defects shall be given to the CONTRACTOR. All defective work, whether or not in place, may be rejected, corrected or accepted as provided in this Article.

19.2 Tests and Inspections:

- A. The CONTRACTOR shall give the ENGINEER OWNER'S REPRESENTATIVE and, when appropriate, the Building Department and other regulatory authorities which have jurisdiction over the work, timely notice of readiness of the work for all required inspections, tests or approvals.
- B. When the Contract Documents, City Ordinances or Regulations, or the Florida Building Code, or the ENGINEER OWNER'S REPRESENTATIVE require any work, (or part thereof) to be specifically inspected, tested or approved, the CITY shall assume full responsibility for and pay all costs in connection with such inspections or tests EXCEPT THAT should said test or inspection fail to pass the CONTRACTOR shall pay all costs associated with the rework and the retesting.
- C. When any other regulatory authority, by virtue of its rules or regulations, requires specific tests or inspections, the CONTRACTOR shall assume full responsibility for and pay all costs in connection with said tests and inspections.
- D. The CONTRACTOR shall also be responsible for and shall pay all costs in connection with any inspection or testing required in connection with the ENGINEER OWNER'S REPRESENTATIVE'S acceptance of a manufacturer, fabricator, supplier or distributor of materials or equipment proposed to be incorporated in the work, or of materials or equipment submitted for approval prior to CONTRACTOR'S purchase thereof for incorporation in the work.

- E. Neither observations by the ENGINEER OWNER'S REPRESENTATIVE nor inspections, tests or approvals by others shall relieve the CONTRACTOR from his obligations to perform the work in accordance with the Contract Documents.

19.3 Uncovering Work:

- A. If any work that is to be inspected, tested or approved is covered without written concurrence of the ENGINEER OWNER'S REPRESENTATIVE, it must, if requested, by the ENGINEER OWNER'S REPRESENTATIVE, be uncovered. Such uncovering and replacement shall be at the CONTRACTOR'S expense.
- B. If the ENGINEER OWNER'S REPRESENTATIVE considers it necessary or advisable that work previously covered with his permission or cognizance be observed, inspected or tested, the CONTRACTOR, at the OWNER REPRESENTATIVE'S request, shall uncover, expose or otherwise make available for observation, inspection or testing as the OWNER'S REPRESENTATIVE may require, that portion of the work in question, furnishing all necessary labor, material and equipment. If it is found that such work is defective, the CONTRACTOR shall bear all the expenses of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, including compensation for additional professional services. If, however, such work is not found to be defective the CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction if he makes a claim therefor in accordance with Article 10.2 and Article 11.2.

19.4 City May Stop the Work:

If the work is defective, or the CONTRACTOR fails to supply sufficient skilled workmen or suitable materials or equipment, the CITY may order the CONTRACTOR to stop the work, or any portion thereof, until the cause for such order has been eliminated; however, this right of the CITY to stop the work shall not give rise to any duty on the part of the CITY to exercise this right for the benefit of the CONTRACTOR or any other party.

19.5 Correction or Removal of Defective Work:

If required by the ENGINEER OWNER'S REPRESENTATIVE, the CONTRACTOR shall promptly, without cost to the CITY and as specified by the ENGINEER OWNER'S REPRESENTATIVE either correct any defective work, whether or not fabricated, installed or completed, or if the work has been rejected by the ENGINEER OWNER'S REPRESENTATIVE, remove it from the site and replace it with non-defective work.

19.6 One Year Correction Period:

If within one year after the date of Substantial Completion or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents or by any specific provision of the Contract Documents, any work is found to be defective, the CONTRACTOR shall promptly without cost to the CITY and in accordance with the ENGINEER OWNER'S REPRESENTATIVE'S written instructions, either correct such defective work, or if it has been rejected by the ENGINEER OWNER'S REPRESENTATIVE remove it from the site and replace it with non-defective work. If the CONTRACTOR does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, the ENGINEER OWNER'S REPRESENTATIVE may have the defective work corrected or the rejected work removed and replaced, and all direct and indirect costs of such removal and replacement, including compensation for additional professional services, shall be paid by the CONTRACTOR.

19.7 Acceptance of Defective Work:

If instead of requiring correction or removal and replacement of defective work, the ENGINEER OWNER'S REPRESENTATIVE prefers to accept it, he may do so. In such case, if acceptance occurs prior to the ENGINEER OWNER'S REPRESENTATIVE'S recommendation of final payment, a Change Order shall be issued incorporating the necessary revisions in the Contract Documents, including appropriate reduction in the Contract Price; or if the acceptance occurs after such recommendation, an appropriate amount shall be paid by the CONTRACTOR to the CITY.

19.8 City May Correct Defective Work:

If the CONTRACTOR fails within a reasonable time after written notice of the ENGINEER OWNER'S REPRESENTATIVE to proceed to correct and to correct defective work or to remove and replace

rejected work as required by the ENGINEER OWNER'S REPRESENTATIVE in accordance with Paragraph 12.5, or if the CONTRACTOR fails to perform the work in accordance with the Contract Documents, (including any requirements of the progress schedule), the CITY may, after seven days' written notice to the CONTRACTOR, correct and remedy any such deficiency. In exercising its rights under this Paragraph the CITY shall proceed expeditiously. To the extent necessary to complete corrective and remedial action, the CITY may exclude the CONTRACTOR from all or part of the site, take possession of all or part of the work, and suspend the CONTRACTOR'S services related thereto, take possession of the CONTRACTOR'S tools, appliances, construction equipment and machinery at the site and incorporate in the work all materials and equipment stored at the site or for which the CITY has paid the CONTRACTOR but which are stored elsewhere. The CONTRACTOR shall allow the CITY, the CITY'S representatives, agents and employees such access to the site as may be necessary to enable the CITY to exercise his rights under this Paragraph. All direct and indirect costs of the CITY in exercising such rights shall be charged against the CONTRACTOR in an amount verified by the ENGINEER OWNER'S REPRESENTATIVE, and a Change Order shall be issued incorporating the necessary revisions in the Contract Documents and a reduction in the Contract Price. Such direct and indirect costs shall include, in particular but without limitations, compensation for additional professional services required and all costs of repair and replacement of work of others destroyed or damaged by correction, removal or replacement of the CONTRACTOR'S defective work. The CONTRACTOR shall not be allowed an extension of the Contract Time because of any delay in performance of the work attributable to the exercise by the CITY of the CITY'S rights hereunder.

ARTICLE 20 - PAYMENTS TO THE CONTRACTOR

20.1 Basis of Payment:

Progress payments shall be based on the aggregate of the unit price amounts listed in the Proposal or in the Schedule of Values which have been incorporated in the work acceptable to the ENGINEER OWNER'S REPRESENTATIVE.

20.2 Unit Price Inclusion:

The unit prices stated in the Proposal include all costs and expenses for materials, labor, tools, equipment, transportation, commissions,

patent fees and royalties, removing crossings or other obstructions, protection or maintaining pipes, drains, railroad tracks, buildings, bridges, or other structures furnishing temporary crossings or bridges, furnishing all supplemental construction stakes, batter boards, templates, common and ordinary labor for handling materials during inspection replacing any property damage, together with any and all costs or expenses for performing and completing the work as specified.

20.3 Schedule of Values:

If a Schedule of Values is required by Section 1.12 of the Supplementary Conditions, it shall be submitted within seven days subsequent to the CONTRACTOR executing and submitting the Documents required of Article 15 of the Instructions to Bidders. The schedules shall be satisfactory in form and substance to the ENGINEER OWNER'S REPRESENTATIVE, and shall include quantity and unit prices aggregating the Contract Price, and shall subdivide the work into component parts in sufficient detail to serve as the basis for progress payments during construction. Upon acceptance of the schedule of values by the ENGINEER OWNER'S REPRESENTATIVE, it shall be incorporated into a form of Application for Payment acceptable to the ENGINEER OWNER'S REPRESENTATIVE.

20.4 Changed Conditions:

It is mutually agreed that due to latent field conditions which can not be foreseen at the time of advertising for bids, adjustments of the Plans to field conditions will be necessary during construction; and, therefore, such changes in the plans shall be recognized as constituting a normal and accepted margin of adjustment not unusual and not involving or permitting any change or modification of unit prices, in which case payment will be made for the revised quantities at the unit price bid in the Proposal.

20.5 Application for Progress Payment:

Prior to 4:30 p.m. on the first working day of the month the CONTRACTOR shall submit to the ENGINEER OWNER'S REPRESENTATIVE for review an Application for Payment form filled out and signed by the CONTRACTOR. The form shall be notarized, and shall cover the work completed as of the date of the application. The Application for Payment shall be accompanied by a "Page 2" laying out the Schedule of Values, and any other supporting documentation as the ENGINEER OWNER'S REPRESENTATIVE

may reasonably require.

20.6 Payment for Materials:

If payment is requested on the basis of materials and equipment not incorporated in the work but delivered and suitably stored at the site or at another location agreed to in writing, the Application for Payment shall also be accompanied by such data, satisfactory to The ENGINEER OWNER'S REPRESENTATIVE, as will establish the CITY'S title to the material and equipment and protect the CITY'S interest therein, including applicable insurance.

20.7 Affidavit Required:

All Applications for Payment shall include an Affidavit of the CONTRACTOR stating that all previous progress payments received on account of the work have been applied to discharge in full all of CONTRACTOR'S obligations reflected in prior Applications for Payment. The amount of retainage with respect to progress payments will be 10%.

20.8 CONTRACTOR's Warranty of Title:

The CONTRACTOR warrants and guarantees that title to all work, materials and equipment covered by any Application for Payment whether incorporated in the Project or not, will pass to the CITY at the time of payment free and clear of all liens, claims, security interests and encumbrances (hereinafter in these General Conditions referred to as "Liens").

20.9 Review of Application for Payment:

The ENGINEER OWNER'S REPRESENTATIVE will promptly review the Application for Payment and either approve and submit it for payment or notify the CONTRACTOR of the deficiencies such that the CONTRACTOR may make the necessary corrections and resubmit in time for the month's payment. However, the ENGINEER OWNER'S REPRESENTATIVE may refuse to recommend the whole or any part of any payment if, in his opinion, it would be incorrect to make such representations. He may also refuse to recommend any such payment, or because of subsequently discovered evidence or the results of subsequent inspections or tests, nullify any such payment previously recommended to such extent as may be necessary in the ENGINEER OWNER'S REPRESENTATIVE'S opinion to protect the CITY from loss because:

- A. The work is defective, or completed work has been damaged requiring correction or replacement.
- B. Written claims have been made against the CITY or Liens have been filed in connection with the work.
- C. The Contract Price has been reduced because of Change Order.
- D. The CITY has been required to correct defective work or complete the work in accordance with Section 19.8 of the General Conditions.
- E. The CONTRACTOR'S unsatisfactory prosecution of the work in accordance with the Contract Documents.
- F. The CONTRACTOR'S failure to make payment to Sub-CONTRACTORS, or for labor, materials or equipment.

20.10 Payment to the CONTRACTOR:

Payments are made only on the fifteenth day or first workday thereafter of each month. The City shall pay undisputed sums no later than the time provided by the Prompt Payment Act, Section 218.70, et. Seq., Florida Statutes.

ARTICLE 21 – AS BUILT DRAWINGS AND SURVEY

A marked up set of prints will be kept up to date by the Contractor on the job site at all times. All trades to record any and all variances to the plans as the work progresses. This record will be given to the consultant and/or Owner's Representative at the completion of the work, and properly labeled "As-Built Drawings".

In addition to the "As-Built Drawings", the CONTRACTOR will cause to have prepared by a Surveyor, registered in the State of Florida, a site survey which shall clearly represent all work done under this contract.

This site survey shall show all fences, walls, walks, building(s) and appurtenances, fire hydrant(s), manholes, catch basins, meters, valve boxes, asphalt playing area, parking, drives, curbs, football goal posts, basketball back boards, tennis courts, ball fields, trees and shrubs. Based on the mean sea level datum, elevations to the 0.01 foot will be shown in sufficient number of points to clearly indicate the scope of parking,

sidewalks, floor and other improved areas. A benchmark will be set at the base of the flag pole or other area as designated by the Owner's Representative. The grate and invert elevation will be shown for all manholes and catch basins. Elevations to 0.1 foot will be indicated at all changes in ground level, such as ditches, and at intervals not exceeding 100 feet including all adjacent rights-of-way. Replace all permanent corner markers which have been removed. An existing survey shall be furnished to the CONTRACTOR by the Owner. At the completion of the work, the general CONTRACTOR shall furnish six (6) certified prints and a sepia on 3 Mil Mylars of the survey to the Consultant and/or Owner's Representative.

This is a critical item and final payment will be withheld from the CONTRACTOR until "As-Built Drawings" and survey are furnished to the OWNER'S REPRESENTATIVE.

ARTICLE 22 – TEMPORARY SANITARY SEWERS

The CONTRACTOR shall provide and maintain in a neat and sanitary condition such accommodations for the use of his employees as may be necessary to comply with the regulations of the State Board of Health and the local health department. No nuisance will be permitted. Upon completion of work, such facilities shall be removed and the premises left in a sanitary condition. Reference should be made to supplementary conditions, Paragraph 1.07 of the Contract.

ARTICLE 23 – OWNERSHIP OF DRAWINGS

All drawings, specifications, and copies thereof furnished by the Consultant are the property of the City. All documents shall remain the property of the City and be turned over to the City.

ARTICLE 24 – REGISTRATION AND CERTIFICATION

In accordance with Chapter 489, of the Florida Statutes, any bid submitted for

construction, improvement, remodeling or repair of public buildings shall be accompanied by evidence that the bidder holds an appropriate certificate or registration issued by the Florida Construction Industry Licensing Board.

- A. Bidders are required to include their registration number and certificate number in the designated place on page 3 of the Proposal form.

- B. Bidders who do not have a certification from the Florida Construction Industry Licensing Board shall include on the Proposal form their Broward County certification number.
- C. The definitions below are from Chapter 489 of the Florida Statutes for the bidders information:

CERTIFICATE – Means a certificate of competency issued by the department as provided in this act.

CERTIFIED CONTRACTOR – Means any CONTRACTOR who possesses a certificate of competency issued by the department and who may contract in any jurisdiction in the state without being required to fulfill competency requirements of that jurisdiction.

REGISTRATION – Means registration with the department as provided in this act.

REGISTRATION CONTRACTOR – Means any CONTRACTOR who has registered with the department pursuant to fulfilling the competency requirements in the jurisdiction for which the registration is issued. Registered CONTRACTOR may contract only in these areas.

CERTIFICATION – Means the act of obtaining or holding a certificate of competency from the department as provided in this act.

ARTICLE 25 - SUBSTANTIAL COMPLETION, PARTIAL UTILIZATION, FINAL CLEAN UP, INSPECTION, PAYMENT AND ACCEPTANCE

25.1 Substantial Completion:

When the CONTRACTOR considers the entire work ready for its intended use, the CONTRACTOR shall, in writing to the ENGINEER OWNER'S REPRESENTATIVE, certify that the entire work is substantially complete and request that the ENGINEER OWNER'S REPRESENTATIVE issue a Certificate of Substantial Completion. Within a reasonable time thereafter the CONTRACTOR and the ENGINEER OWNER'S REPRESENTATIVE shall make an inspection of the work to determine the status of completion. If the ENGINEER OWNER'S REPRESENTATIVE does not consider the work substantially complete, the ENGINEER OWNER'S REPRESENTATIVE will notify the CONTRACTOR in writing giving his reasons thereof. If the ENGINEER OWNER'S REPRESENTATIVE considers the work substantially complete, the

ENGINEER OWNER'S REPRESENTATIVE will prepare and deliver to the CONTRACTOR a Certificate of Substantial Completion, which shall fix the date of Substantial Completion. There shall be attached to the certificate a Punch List of items to be completed or corrected before final payment. At the time of delivery of the Certificate of Substantial Completion the ENGINEER OWNER'S REPRESENTATIVE will deliver to the CONTRACTOR written notice as to division of responsibilities pending final payment between the CITY and the CONTRACTOR with respect to security, operation, safety, maintenance, heat, Services and insurance, said responsibilities will be binding on the CITY and the CONTRACTOR until final payment. Unless otherwise stated herein or on the Certificate of Substantial Completion, all building, product, equipment, and machinery warranties will commence on the date of Substantial Completion. The CITY shall have the right to exclude the CONTRACTOR from the work after the date of Substantial Completion, but the CITY shall allow the CONTRACTOR reasonable access to complete or correct items on the Punch List.

25.2 Partial Utilization:

Use by the CITY of any finished part of the work which has specifically been identified in the Contract Documents or which the ENGINEER OWNER'S REPRESENTATIVE and the CONTRACTOR agree constitutes a separately functioning and usable part of the work that can be used by the CITY without significant interference with CONTRACTOR'S performance of the remainder of the work, may be accomplished prior to Substantial Completion of all the work subject to the following:

- A. The ENGINEER OWNER'S REPRESENTATIVE at any time may request the CONTRACTOR in writing to permit the CITY to use any such part of the work which the ENGINEER OWNER'S REPRESENTATIVE believes to be ready for its intended use and substantially complete. If the CONTRACTOR agrees, the CONTRACTOR will certify to the ENGINEER OWNER'S REPRESENTATIVE that said part of the work is substantially complete and request the ENGINEER OWNER'S REPRESENTATIVE to issue a Certificate of Substantial Completion for that part of the work. The CONTRACTOR, at any time, may notify the ENGINEER OWNER'S REPRESENTATIVE in writing that the CONTRACTOR considers any such part of the work ready for its intended use and substantially complete and request the ENGINEER OWNER'S REPRESENTATIVE to issue a Certificate of Substantial Completion for the part of the work.

Within a reasonable time after either such request, the CONTRACTOR and the ENGINEER OWNER'S REPRESENTATIVE shall make an inspection of that part of the work to determine its status of completion. If the ENGINEER OWNER'S REPRESENTATIVE does not consider that part of the work to be substantially complete, the ENGINEER OWNER'S REPRESENTATIVE will notify the CONTRACTOR in writing giving the reasons therefor. If the ENGINEER OWNER'S REPRESENTATIVE considers that part of the work to be substantially complete, the provisions of Article 14.1 will apply with respect to Certificate of Substantial Completion of that part of the work and the division of responsibility in respect thereof and access thereto.

25.3 Final Clean-Up:

Upon completion of the work and before final inspection shall be made, the CONTRACTOR shall clean and remove from the site, the Right-of-Way and adjacent property, all surplus and discarded materials, rubbish, and temporary structures; restore in an acceptable manner all property, both public and private, which has been damaged during the prosecution of the work; and shall leave the site and vicinity unobstructed in a neat and presentable condition throughout the entire area or length of the work under Contract. The placing of materials of every character, rubbish, or equipment on the abutting property, with or without the consent of the property owners, shall not constitute the satisfactory disposal. If the work is of such a character as may be done by block or sections, the CONTRACTOR may be required to promptly remove and dispose of accumulated rubbish, debris or surplus materials from blocks or sections as completed or partially completed. No separate payment will be made for final cleaning up and restoration of property, but all costs thereof shall be included in the prices bid for the various scheduled items of work.

25.4 Final Inspection:

Upon written notice from the CONTRACTOR that the entire work or an agreed portion thereof is complete and final clean-up has been completed, the ENGINEER OWNER'S REPRESENTATIVE will make a final inspection with the CONTRACTOR and will notify the CONTRACTOR in writing of all particulars in which this inspection reveals that the work is incomplete or defective. The CONTRACTOR shall immediately take such measures as are necessary to remedy

such deficiencies.

25.5 Final Application for Payment:

After the CONTRACTOR has completed all such corrections to the satisfaction of the ENGINEER OWNER'S REPRESENTATIVE and delivered all maintenance and operating instructions, schedules, guarantees, Bonds, certificates of inspection, marked-up record documents (as provided in Article 15.22 of the General Conditions and other documents; all as required by the Contract Documents and after the ENGINEER OWNER'S REPRESENTATIVE has indicated that the work is acceptable (subject to the provisions of Article 25.9) the CONTRACTOR may make Application for Final Payment following the procedure for progress payments. The final Application for Payment shall be accompanied by all documentation called for in the Contract Documents, together with complete and legally effective releases or waivers (satisfactory to the CITY) of all Liens arising out of or filed in connection with the work. In lieu thereof and as approved by the CITY, the CONTRACTOR may furnish receipts or releases in full; an affidavit of the CONTRACTOR that the releases and receipts include all labor, services, material and equipment for which a Lien could be filed, and that all payrolls, material and equipment bills, and other indebtedness connected with the work for which the CITY or the CITY'S property might in any way be responsible, have been paid or otherwise satisfied; and consent of the Surety, if any, to final payment.

If any Sub-Contractor or Supplier fails to furnish a release or receipt in full, the CONTRACTOR may furnish a Bond or other collateral satisfactory to the CITY to indemnify the CITY against any Lien.

25.6 Final Payment and Acceptance:

If on the basis of the ENGINEER OWNER'S REPRESENTATIVE'S observation of the work during construction and final inspection, and the ENGINEER OWNER'S REPRESENTATIVE'S review of the final Application for Payment and accompanying documentation, all as required by the Contract Documents, the ENGINEER OWNER'S REPRESENTATIVE is satisfied that the work has been completed and the CONTRACTOR'S other obligations under the Contract Documents have been fulfilled, the ENGINEER OWNER'S REPRESENTATIVE will recommend payment. Thereupon the ENGINEER OWNER'S REPRESENTATIVE will give written notice to the CITY and the CONTRACTOR that the work is acceptable subject to the provisions of Article 14.9.

25.7 Payment of Retainage Without Final Completion:

If through no fault of the CONTRACTOR, final completion of the work is significantly delayed and if the ENGINEER OWNER'S REPRESENTATIVE so confirms, the CITY shall, upon receipt of the CONTRACTOR'S final Application for Payment and recommendation of the ENGINEER OWNER'S REPRESENTATIVE, and without terminating the Agreement, make payment of the balance due for the portion of the work fully completed and accepted.

If the remaining balance to be held by the CITY for work not fully completed or corrected is less than the retainage stipulated in the Agreement and if Bonds have been furnished as required in Article 13.2, the written consent of the Surety to the payment of the balance due for that portion of the work fully completed and accepted shall be submitted by the CONTRACTOR to the ENGINEER OWNER'S REPRESENTATIVE with the application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

25.8 CONTRACTOR's Continuing Obligation:

The CONTRACTOR'S obligation to perform and complete the work in accordance with the Contract Documents shall be absolute. Neither recommendation of any progress or final payment by the ENGINEER OWNER'S REPRESENTATIVE, nor the issuance of a Certificate of Substantial Completion, nor any payment by the CITY to the CONTRACTOR under the Contract Documents, nor any use or occupancy of the work or any part thereof by the CITY nor any act of acceptance by the CITY nor any failure to do so, nor any review and approval of a Shop Drawing or sample submission, nor the issuance of a notice of acceptability by the ENGINEER OWNER'S REPRESENTATIVE pursuant to Article 25.6, nor any correction of defective work by the CITY will constitute an acceptance of work not in accordance with the Contract Documents or a release of the CONTRACTOR'S obligation to perform the work in accordance with the Contract Documents (except as provided in Article 25.9).

25.9 Waiver of Claims:

The making and acceptance of final payment will constitute:

- A. A waiver of all claims by the CITY against the CONTRACTOR, except claims arising from unsettled Liens, from defective work appearing after final inspection pursuant

to Article 25.4 or from failure to comply with the Contract Documents or the terms of any special guarantees specified therein; however, it will not constitute a waiver by the CITY of any rights in respect of the CONTRACTOR'S continuing obligations under the Contract Documents.

- B. A waiver of all claims by the CONTRACTOR against the CITY other than those previously made in writing and still unsettled.

ARTICLE 26 - SUSPENSION OF WORK AND TERMINATION

26.1 City May Suspend Work:

The CITY may, at any time and without cause, suspend the work or any portion thereof for a period of not more than 90 days by notice in writing to the CONTRACTOR which will fix the date on which work will be resumed. The CONTRACTOR shall resume the work on the date so fixed. The CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to any suspension.

26.2 City May Terminate:

- A. Upon the occurrence of any one or more of the following events:
 - 1. If the CONTRACTOR commences a voluntary case under any chapter of the Bankruptcy Code (Title 11, United States Code), as now or hereafter in effect, or if the CONTRACTOR takes any equivalent or similar action by filing a petition or otherwise under any other federal or state law in effect at such time relating to the bankruptcy or insolvency.
 - 2. If a petition is filed against the CONTRACTOR under any chapter of the Bankruptcy Code as now or hereafter in effect at the time of filing, or if a petition is filed seeking any such equivalent or similar relief against the CONTRACTOR under any other federal or state law in effect at the time relating to bankruptcy or insolvency.
 - 3. If the CONTRACTOR makes a general assignment for the benefit of creditors.

4. If a trustee, receiver, custodian or agent of the CONTRACTOR is appointed under applicable law or under contract, whose appointment or authority to take charge of property of the CONTRACTOR is for the purpose of enforcing a Lien against such property or for the purpose of general administration of such property for the benefit of the CONTRACTOR'S creditors.
 5. If the CONTRACTOR admits in writing an inability to pay its debts generally as they become due.
 6. If the CONTRACTOR persistently fails to perform the work in accordance with the Contract Documents (including, but not limited to, failure to supply a qualified superintendent or sufficient skilled workers or suitable materials or equipment or failure to adhere to the approved progress schedule revised from time to time).
 7. If the CONTRACTOR disregards laws or regulations of any public body having jurisdiction.
 8. If the CONTRACTOR disregards the authority of the ENGINEER OWNER'S REPRESENTATIVE.
 9. If the CONTRACTOR otherwise violates in any material or substantial way any provisions of the Contract Documents or the exhibits thereto.
- B. The CITY may, after giving the CONTRACTOR and the Surety seven days' written notice and to the extent permitted by laws and regulations, terminate the services of the CONTRACTOR, exclude the CONTRACTOR from the site and take possession of the work and of all the CONTRACTOR'S tools, appliances, construction equipment and machinery at the site and use the same to the full extent they could be used by the CONTRACTOR (without liability to the CONTRACTOR for trespass or conversion), incorporate in the work all materials and equipment stored at the site or for which the CITY has paid the CONTRACTOR but which are stored elsewhere, and finish the work as the CITY may deem expedient. In such case the CONTRACTOR shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the Contract Price exceeds the direct, indirect and consequential costs of completing the

work (including but not limited to fees and charges of OWNER'S Representatives, consultant, architects, engineers, attorneys and other professionals, and court and arbitration costs) such excess will be paid to the CONTRACTOR. If such costs exceed such unpaid balance, the CONTRACTOR, or CONTRACTOR'S Surety, shall pay the difference to the CITY.

- C. Where the CONTRACTOR'S services have been so terminated by the CITY, the CITY alone shall determine the scope and description of the work to be completed and the method and schedule for completing it.
- D. Where the CONTRACTOR'S services have been so terminated by the CITY the termination will not affect any rights or remedies of the CITY against the CONTRACTOR then existing or which may thereafter accrue. Any retention or payment of moneys due the CONTRACTOR by the CITY will not release the CONTRACTOR from liability.
- E. Upon seven days' written notice to the CONTRACTOR the CITY may, without cause, for convenience, and without prejudice to any other right or remedy, elect to abandon the work and terminate the Contract. In such case the CONTRACTOR shall be paid for all work executed and any expense sustained plus reasonable termination expenses, which will include, but not be limited to, direct, indirect and consequential costs (including, but not limited to, fees and charges of OWNER'S REPRESENTATIVE, architects, attorneys and other professionals and court and arbitration costs).

26.3 CONTRACTOR May Stop Work or Terminate:

If through no act or fault of the CONTRACTOR, the work is suspended for a period of more than 90 days by the CITY or under an order of court or other public authority, or the CITY fails for 60 days to pay the CONTRACTOR any sum finally determined to be due, then the CONTRACTOR may, upon seven days' written notice to the CITY terminate the Contract and recover from the CITY payment for all work executed and any expense sustained plus reasonable termination expenses. In addition and in lieu of terminating the Contract, if the CITY has failed to make any payment as aforesaid, the CONTRACTOR may upon seven days' written notice to the CITY stop the work until payment of all amounts then due are paid. The provisions of this paragraph shall not relieve the

CONTRACTOR of the obligations under Paragraph 15.25 to carry on the work in accordance with the progress schedule and without delay during disputes and disagreements with the CITY.

26.4 Definition:

For purpose of Article 26, CITY means the City Manager or his designee.

**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION**

SUPPLEMENTARY CONDITIONS

Index

	<u>Page</u>
Part 1 General	1
1.01 Scope of Work	1
1.02 Time and Work Restraints	1
1.03 Insurance Requirements	2
1.04 Referenced Standards	4
1.05 Required Shop Drawings	5
1.06 Required Permits and Notifications	5
1.07 Temporary Services and Facilities	5
1.08 Lines and Grades	6
1.09 Liquidated Damages	7
1.10 Project Closeout	7
1.11 Progress Schedule	8
1.12 Schedule of Values	8
1.13 Project Area Safety	8
1.14 Prevailing Rate of Wages and Fringe Benefits	9
1.15 Basis for Payment/Quantities in The Proposal	10
1.16 Project Coordination	10
1.17 Pre-Construction Photographic Record	10
1.18 Site Conditions and Subsurface Investigation	10
1.19 Contractors Responsibility for Material and Storage	11
1.20 Dust Control	11
1.21 Guarantees	11
1.22 Substitutions-General	12
1.23 Maintenance of Traffic	12
1.24 Work Hours and Overtime Work	13
1.25 Hurricane Preparedness	13



**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & ARCHITECTURAL SERVICES DIVISION
SUPPLEMENTARY CONDITIONS**

PART – 1 - GENERAL

1.01 SCOPE OF WORK

- A. The intent of these specifications, together with the plans and all other contract documents, is to replace the existing roofing above the fourth floor of the Police Building. The work consists of tearing off and properly disposing of existing roofing, insulation, flashings and perimeter metal. Install new roof insulation as specified. Install first ply sheet as specified. Install cap sheet as specified. Install new flashing as specified. Install new surface mount counter flashing, lead stack flashing and other metal components as specified. Provide manufacturer's warranty as specified.
- B. Questions prior to bid opening shall be directed to Terrence Comiskey, A.I.A., Senior Project Manager, Department of Public Works, 954-921-3900 tcomiskey@hollywoodfl.org.

1.02 TIME AND WORK RESTRAINTS

- A. Contractor's Use of Premises: During construction, contractor's use of premises is limited only by Owner's right to perform work.

Contractor to coordinate Work Plan and hours of operations with Owner and must obtain Owner's approval prior to commencing Work.

- B. The estimated project schedule is provided below for informational purposes only:

Notice to Bidders:	Thursday, May 8, 2014
Mandatory Pre-Bid Site Meeting	Thursday, May 22, 2014 at 9:00 A.M.
Last Questions Accepted	Friday, May 23, 2014
Bid Opening:	Friday, May 30, 2014
Contract Awarded by City Commission Notice of Award:	Wednesday, June 18, 2014
Contract Execution/Notice to Proceed:	Wednesday, July 16, 2014
Substantial Completion:	Friday, August 15, 2014
Contractual Completion:	Monday, August 25, 2014

- C. The date of Substantial Completion of the project is the date when the construction is sufficiently completed in accordance with the contract documents, as modified by

any change orders agreed to by the parties, so that the City of Hollywood can occupy or utilize the project for the use and purpose for which it was intended.

1.03 INSURANCE REQUIREMENTS:

All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida and satisfactory to the Owner. All companies shall have a Florida resident agent and be rated a minimum A-VI, as per A.M. Best Company's Key Rating Guide, latest edition.

The CONTRACTOR shall furnish certificates of insurance to the Risk Management Director for review and approval prior to the execution of this agreement. The Certificates shall clearly indicate that the CONTRACTOR has obtained insurance of the type, amount and classification required by these provisions, in excess of any pending claims at the time of contract award to the CONTRACTOR. No failure to renew, material change or cancellation of, the insurance shall be effective without a 30-day prior written notice to and approval by the Owner. The insurance required by Article 13 of the General Conditions shall be as follows:

A. Comprehensive General Liability:

Prior to the commencement of work governed by this contract, the CONTRACTOR shall obtain General Liability Insurance. Coverage shall be maintained throughout the life of the contract and include, as a minimum:

1. Premises Operations
2. Products and Completed Operations
3. Blanket Contractual Liability
4. Personal Injury Liability
5. Expanded Definition of Property Damage

The minimum limits acceptable shall be:

\$1,000, 000.00 Combined Single Limit (CSL)

If split limits are provided, the minimum limits acceptable shall be:

\$ 500,000.00 per Person
\$ 1, 000,000.00 per Occurrence
\$ 100,000.00 Property Damage

An Occurrence Form policy is preferred. If coverage is provided on a Claims Made policy, its provisions should include coverage for claims filed on or after the effective date of this contract. In addition, the period for which claims may be reported should extend for a minimum of twelve (12) months following the acceptance of work by the CITY. The CITY of Hollywood shall be named as Additional Insured on all policies issued to satisfy the above requirements.

B. Comprehensive Automobile Liability:

Recognizing that the work governed by this contract requires the use of vehicles, the CONTRACTOR, prior to the commencement of work, shall obtain Vehicle

Liability Insurance. Coverage shall be maintained throughout the life of the contract and include, as a minimum, liability coverage for:

Owned, Non-Owned, and Hired Vehicles

The minimum limits acceptable shall be:

\$300,000.00 Combined Single Limit (CSL)

If split limits are provided, the minimum limits acceptable shall be:

\$100,000.00 per Person

\$300,000.00 per Occurrence

\$ 50,000.00 Property Damage

The CITY of Hollywood shall be named as Additional Insured on all policies issued to satisfy the above requirements.

C. Worker's Compensation Insurance:

Prior to the commencement of work governed by this contract, the CONTRACTOR shall obtain Workers' Compensation Insurance with limits sufficient to respond to the applicable state statutes.

In addition, the CONTRACTOR shall obtain Employers' Liability Insurance with limits of not less than:

\$ 500,000.00 Bodily Injury by Accident

\$ 500,000.00 Bodily Injury by Disease, policy limits

\$ 500,000.00 Bodily Injury by Disease, each employee

Coverage shall be maintained throughout the entire term of the contract.

Coverage shall be provided by a company or companies authorized to transact business in the state of Florida and the company or companies must maintain a minimum rating of A-VI, as assigned by the A.M. Best Company.

If the CONTRACTOR has been approved by the Florida's Department of Labor, as an authorized self-insurer, the CITY shall recognize and honor the CONTRACTOR's status. The CONTRACTOR may be required to submit a Letter of Authorization issued by the Department of Labor and a Certificate of Insurance, providing details on the CONTRACTOR's Excess Insurance Program.

If the CONTRACTOR participates in a self-insurance fund, a Certificate of Insurance will be required. In addition, the CONTRACTOR may be required to submit updated financial statements from the fund upon request from the CITY.

D. Builder's Risk Insurance Requirements:

The CONTRACTOR shall be required to purchase and maintain, throughout the life of the contract, and until the project is accepted by the CITY, Builder's Risk Insurance on an All Risk of Loss form. Coverage shall include:

Theft
Windstorm
Hail
Explosion
Riot
Civil Commotion

Aircraft
Vehicles
Smoke
Fire
Collapse
Flood

The policy limits shall be no less than the amount of the finished project and coverage shall be provided on a completed value basis. Property located on the construction premises, which is intended to become a permanent part of the building, shall be included as property covered. The policy shall be endorsed permitting the CITY to occupy the building prior to completion without effecting the coverage. The CITY of Hollywood shall be named as Additional Insured and Loss Payee. The Builder's Risk Insurance shall be provided on or before the execution of the Phase II agreement.

- E. No Subcontractor shall commence work until a similar such insurance has been obtained and approved by the CITY. Any SubContractor used by the contractor shall supply such similar insurance required of the contractor. Such certificates shall name the City as Additional Insured on the general liability and auto liability policies.

1.04 REFERENCED STANDARDS

The following standards may be referenced in the specifications and/or on the drawings for this project. It is the responsibility of the CONTRACTOR to verify in the documents exactly which standards are applicable to this Project.

- | | | | | | | |
|----|----|--------|-----|-------|-----|------|
| A. | 1. | AASHTO | 6. | BCTED | 11. | NFPA |
| | 2. | ANSI | 7. | FBC | 12. | OSHA |
| | 3. | ASCE | 8. | FDOT | 13. | UL |
| | 4. | ASTM | 9. | NEC | | |
| | 5. | AWPA | 10. | NEMA | | |

1.05 REQUIRED SHOP DRAWINGS

- A. Submit a preliminary schedule of shop drawing submittals as required in Paragraph 4.2 of the General Conditions and as required indicated in the drawings and specifications. The following shop drawings, illustrations, and samples are required.
 - 1. Roofing Submittal
- B. The CONTRACTOR shall submit five (5) copies minimum of each shop drawings to enable the PROJECT MANAGER to retain three (3) copies. Resubmissions of shop designs shall be made in the same quantity until final approval is obtained.

1.06 REQUIRED PERMITS AND NOTIFICATIONS

- A. The CONTRACTOR shall comply with all state, county and local laws, regulations and ordinances applicable to this work, including all permit provisions and required testing.
- B. The CONTRACTOR and Subcontractors must obtain the standard Building Department Permits as may be required by the City of Hollywood Building Department for any work covered under this Contract. The CONTRACTOR or Subcontractors shall be responsible for obtaining all inspections required under Section 110 of the Florida Building Code 2010.
- C. The City of Hollywood will pay all permit fees including any Federal, State and County surcharges applicable at the time that the permit is issued. In instances where the City of Hollywood has obtained permits from Broward County Traffic Engineering Division (BCTED), Broward County Department of Planning & Environmental Protection (DPEP) and/or South Florida Water Management District (SFWMD) the CONTRACTOR shall comply with permit conditions.
- D. The CONTRACTOR is required to notify all utility companies and call Sunshine at 1-800-432-4770, a minimum of forty-eight (48) hours prior to any excavation for location of existing underground facilities.

- E. The CONTRACTOR is required to notify the Police Traffic Sergeant at 967-4572 when the normal flow of traffic on any street will be disrupted in any manner.
- F. The CONTRACTOR is required to notify the Public Works Department at (954) 967-4526 (Larry Breighner) for location of all electrical facilities on City properties.

1.07 TEMPORARY SERVICES AND FACILITIES

- A. The CONTRACTOR shall make all arrangements for and furnish at his expense, all electricity, water, sanitary facilities and Services necessary for construction purposes.
- B. If water is required, it is the CONTRACTOR's responsibility to arrange through the City Water Department for a two (2") inch water meter. A deposit to be paid by the CONTRACTOR is required for meter rental and all water shall be purchased at the prevailing rate.

1.08 LINES AND GRADES

- A. The CONTRACTOR shall be responsible for and shall furnish all survey work required to locate and install all proposed facilities. The information on existing survey reference points will be provided to the CONTRACTOR by the PROJECT MANAGER. The CONTRACTOR shall provide as built drawings showing the exact location of all items installed including underground, upon completion of the work and prior to final payment.
- B. All work under this Contract shall be constructed in accordance with the lines and grades shown on the Contract Drawings or as directed by the PROJECT MANAGER. Elevations of existing ground, structures and appurtenances are believed to be reasonably correct but are not guaranteed to be absolute and therefore are presented only as an approximation. Any error or apparent discrepancy in the data shown or omissions of data required for accurately accomplishing the stake-out survey shall be referred immediately to the PROJECT MANAGER for interpretation or correction.
- C. All survey work for construction control purposes shall be made by the CONTRACTOR at his expense.
- D. The CONTRACTOR shall establish all base lines for the location of the principal component parts of the work together with bench marks and batter boards adjacent to the work. Based upon the information provided by the Contract Drawings, the CONTRACTOR shall develop and make all detail surveys necessary for construction. The CITY will furnish information and location of existing bench marks.
- E. The CONTRACTOR shall have the responsibility to carefully preserve the bench marks, reference points and stakes. In case of destruction thereof by the CONTRACTOR or resulting from his negligence, he shall be held liable for any expense and damage resulting therefrom and shall be responsible for any mistakes that may be caused by the necessary loss or disturbance of such bench marks, reference points and stakes.

- F. Existing or new control points, property markers, and monuments that will be established or are destroyed during the normal causes of construction shall be re-established by the CONTRACTOR; and all reference ties recorded therefore shall be furnished to the PROJECT MANAGER. All computations necessary to establish the exact position of the work shall be made and preserved by the CONTRACTOR.
- G. The PROJECT MANAGER may check all or any portion of the work and the CONTRACTOR shall afford all necessary assistance to the PROJECT MANAGER in carrying out such checks. Any necessary corrections to the work shall be performed immediately by the CONTRACTOR of any responsibilities for the accuracy or completeness of this work.

1.09 LIQUIDATED DAMAGES

- A. In as much as the actual damages sustained by the CITY as a result of the CONTRACTOR's failure to timely complete his obligations under the contract cannot be readily ascertained, the CONTRACTOR shall apply to the CITY, as damages for non-completion of the work within the time stipulated for its completion, according to the following tables, which sums are hereby agreed upon, fixed and determined by the parties hereto as liquidated damages that the CITY will suffer by reason of such default and shall not be considered a penalty.

Liquidated Damages: For each calendar day of delay that the project is unavailable for Beneficial Occupancy:

Projects up to	\$99,999	\$200.00 per calendar day
Projects from	\$100,000 to \$299,999	\$300.00 per calendar day
Projects from	\$300,000 to \$599,999	\$400.00 per calendar day
Projects from	\$600,000 to \$999.999	\$500.00 per calendar day
Projects from	\$1,000,000	\$600.00 per calendar day

For each consecutive calendar day that the correction for all items on the punch list remain incomplete after the date established for Final Completion, the Contractor and his sureties shall be liable for and shall pay to the Owner stipulated as fixed, agreed and additional liquidated damages in accordance with the following schedule.

Projects up to	\$99,999	\$100.00 per calendar day
Projects from	\$100,000 to \$299,999	\$150.00 per calendar day
Projects from	\$300,000 to \$599,999	\$200.00 per calendar day
Projects from	\$600,000 to \$999.999	\$250.00 per calendar day
Projects from	\$1,000,000	\$300.00 per calendar day

- B. The CITY is hereby authorized to deduct the sum described in Section 1.09 A. from the monies which may be due or become due to the CONTRACTOR for the work under this contract.
- C. Correction of work not complying with plans or specifications shall not be considered as grounds for a time extension

1.10 PROJECT CLOSEOUT

- A. The CONTRACTOR, prior to requesting final payment shall obtain and submit the following items to the PROJECT MANAGER:
 - 1. Written Guarantees
 - 2. Four (4) sets of record drawings/documents signed and sealed by a professional surveyor showing exact locations of all items of work installed under this contract. In addition, record drawings shall be submitted on an AutoCad (version 14) electronic disk. The Contractor shall be held fully responsible for costs incurred by the CITY due to erroneous information supplied on the record drawings submitted. Record drawings shall be provided for: paving, drainage, water, sewer, electrical, irrigation, landscaping, and all other improvements.
 - 3. Release from all parties who are entitled to claims again the subject project, property or improvement, pursuant to the provisions of law.
 - 4. A Certificate of Occupancy or Certificate of Completion as issued by the City of Hollywood Building Department showing that all Building Department inspections have been satisfactorily performed
 - 5. Copies of all reports, certifications, etc, required under this contract.
- B. The CONTRACTOR shall comply with the maintenance and guarantee requirements obtained in Article 19 of the General Conditions.
- B. The Contractor shall make all repairs and replacements promptly upon the receipt of a written order from the CITY. If the CONTRACTOR fails to make such repairs or replacements promptly, the CITY reserves the right to do the work and the CONTRACTOR and his surety shall be liable to the CITY for the cost thereof.

1.11 PROGRESS SCHEDULE

- A. In accordance with Article 4.2 of the General Conditions, the CONTRACTOR shall, prior to commencing work, submit to the PROJECT MANAGER for approval a detailed Sequence of Construction showing the sequence in which the various work elements will be performed and showing conformance to the restrictions and requirements below.
- B. The progress schedule shall be updated and submitted every month during the course of the project.

1.12 SCHEDULE OF VALUES

- A. In accordance with Article 4.2 of the General Conditions the CONTRACTOR shall submit, with the estimated construction progress schedule, on suitable forms, a detailed estimate giving a complete breakdown of the Contract Price. The detailed estimate shall include the price for material, labor and other costs for various units of work in sufficient detail to correspondence with the contemplated construction operations. The schedule shall include all subcontracts and major items of equipment included in the Contract. The detailed estimate will be used only for determining the basis of monthly payment and will not be considered as establishing a basis for additions to or deductions from the Contract Price.

1.13 PROJECT AREA SAFETY

- A. The CONTRACTOR shall give special attention to the protection and welfare of the Public and City of Hollywood personnel who will be maintaining the building and surrounding areas. Any hazardous areas shall be adequately marked and barricaded.

1.14 PREVAILING RATE OF WAGES AND FRINGE BENEFITS

- A. The CONTRACTOR shall be responsible for ensuring payment of the rate of wages and fringe benefits, or cash equivalent, for all laborers, mechanics and apprentices employed by him/her or his/her SUBCONTRACTORS on the work covered by this contract which shall be not less than the prevailing rate of wages and fringe benefits payment or cash equivalent for similar skills or classifications of work as established by the General Wage Decision by the United States Department of Labor for Broward County, Florida that is in effect prior to the date the CITY issued the invitation for bids for this project. If the General Wage Decision fails to provide for a fringe benefit rate for any worker classification, then the fringe benefit rate applicable to such worker classification shall be the fringe benefit rate that has a basic wage rate closest in dollar amount to the work classification for which no fringe benefit rate has been provided.

- B. Upon commencement of work, the CONTRACTOR and all of his/her SUB-CONTRACTORS shall post a notice in a prominent place at the work site stating the requirements of this section.
- C. If any questions should arise concerning the applications of this Section, which are not specifically addressed, the CITY may, but is not required to, rely on rules, regulations, practices, administrative rulings and court decisions governing applications of the Davis-Bacon Act.
- D. CONTRACTOR and SUBCONTRACTORS shall submit to the CITY on a regular basis, but not less than monthly, payroll sheets, which have been certified under oath by CONTRACTOR and/or SUBCONTRACTORS as to their accuracy and compliance with the provisions of this Section. The certified payroll sheets shall contain the following: name and address of each employee; his/her current classification; rate of pay (including rates of contributions for, or costs assumed to provide, fringe benefits); daily and weekly number of hours worked; deductions made; and actual wages paid. Such records shall be maintained by the CONTRACTOR and his/her SUBCONTRACTORS for a period of at least one (1) year following completion of the work.
- E. The CITY may withhold, or cause to be withheld from the CONTRACTOR, so much of any requisitioned payment as may be considered necessary to pay laborers, mechanics and apprentices the full amount of wages required by this section. The CITY, or its designee, may enter on the job site and conduct such inquiries of the CONTRACTOR'S workers and his/her SUBCONTRACTOR'S workers to determine whether this section is being complied with. If the CONTRACTOR or his/her SUBCONTRACTOR fails to pay any laborers, mechanics or apprentices employed or working on the job site all or part of the wages required

by this section, then the CITY may, after written notice to the CONTRACTOR, take such action as may be necessary to cause suspension of any further payments or advances until such violations have been corrected. If the violations are not corrected, the CITY may terminate the CONTRACTOR'S right to proceed with the work or such part of the work for which there has been a failure to pay the required wages and take such steps as are necessary to complete the work, whereupon the CONTRACTOR and its sureties shall be liable to the CITY for all excess costs incurred by the CITY.

- F. The CONTRACTOR shall insert in any subcontracts such language as is necessary to require all of his/her SUBCONTRACTORS to comply with the requirements of this section. The CONTRACTOR shall be responsible for noncompliance by any of his/her SUBCONTRACTORS. This section shall be deemed part of any contract entered into between the CONTRACTOR and any of his/her SUBCONTRACTORS.
 - 1. The threshold dollar amount for construction contracts subject to prevailing wage and fringe benefit payments, pursuant to Section 38.52 of "Code of Ordinances", is \$500,000.00 (Five-hundred-thousand Dollars).
 - 2. CONTRACTOR and SUBCONTRACTORS shall comply with Section 38.52 of the Code of Ordinances titled "Prevailing Rate of Wages and Fringe Benefits on City Construction Contracts" for contracts in the amount of \$500,000.00 and over.

1.15 BASIS FOR PAYMENT/QUANTITIES IN THE PROPOSAL:

- A. Quantities listed in the proposal are approximate and subject to variance. Such quantities are to be used by the OWNER for comparison only. Payment for items with unit prices shall be for the measured amount of such items incorporated by the CONTRACTOR in the completed work and accepted by the PROJECT MANAGER.
- B. The bidder shall not plead misunderstanding or deception because such listed quantities do not correspond with actual quantities. It is understood that the quantities may be increased or decreased in accordance with provisions of the General Conditions.

1.16 PROJECT COORDINATION:

- A. The CONTRACTOR or a representative shall attend project coordination meetings as deemed necessary by the Project Manager.

1.17 PRE-CONSTRUCTION PHOTOGRAPHIC RECORD:

- A. For certain projects, and at certain locations, a pre-construction photographic record may be needed. The CONTRACTOR shall verify the applicability of this requirement with the PROJECT MANAGER.

1.18 SITE CONDITIONS AND SUBSURFACE INVESTIGATION:

- A. The CONTRACTOR shall be responsible for having determined to his satisfaction, prior to the submission of his bid, the nature and location of the work, subsurface soil conditions, the character and quality of the substrate, the types and quantity of materials to be encountered, the nature of the ground water conditions, the character of equipment and facilities needed preliminary to and during the execution of the work, the general and local conditions and all other matters which can in any way affect the work under this contract. The prices established for the work to be done will reflect all costs pertaining to the work. Any claims for extras based on substrate or ground water table conditions will not be allowed.
- B. If applicable, soil boring logs will be provided in the Appendix and are for information only. The CITY makes no guarantees as to their accuracy and is not responsible for assumptions made by the CONTRACTOR based upon the information.

1.19 CONTRACTORS RESPONSIBILITY FOR MATERIAL AND STORAGE:

- A. The CONTRACTOR shall be responsible for all materials furnished by him. All such material which is defective in manufacture or has been damaged in transit or has been damaged after delivery shall be replaced by the CONTRACTOR at his expense.
- B. The CONTRACTOR shall be responsible for the safe storage of material furnished to or by him, and accepted by him, until it has been incorporated in the completed project.

1.20 DUST CONTROL:

- A. CONTRACTOR shall provide to the PROJECT MANAGER for approval, a method of controlling and preventing the spread of dust to occupied premises and vehicles parked along the work area.
- B. The use of public streets and alleys shall be such as to provide a minimum of inconvenience to the public and to other traffic. Any earth or other excavated materials spilled from trucks shall be removed immediately by the CONTRACTOR and the streets cleaned to the satisfaction of the ENGINEER. The walks, roadways, temporary pavement, etc. shall be swept clean at the end of each day.

1.21 GUARANTEES:

- A. Written guarantees shown below shall be provided to the CITY. The guarantee period shall begin the day the project is accepted as complete by the PROJECT MANAGER. Final payment will not be released until all the guarantees have been received in writing, properly signed and executed.

- 1. CONTRACTOR'S GUARANTEE:

- a. The CONTRACTOR shall furnish a written one (1) year guarantee on all labor and materials furnished by him except stated otherwise. No costs will be borne by the CITY for correcting defective workmanship or materials.
- b. The landscape guarantee shall be for a minimum of 180 days.

1.22 SUBSTITUTIONS - GENERAL:

- A. After the execution of the Contract, requests made by the CONTRACTOR for substitution of equipment and/or material of makes and/or types other than those specified in the Contract will be considered for two reasons only:
 - 1. That the equipment and/or material proposed for substitution is **superior** in construction and/or efficiency to that specified in the Contract.
 - 2. That the equipment and/or material proposed for substitution is **equal** in construction and/or efficiency to that specified in the Contract.

In either case, it will be assumed that the cost to the CONTRACTOR of the equipment and/or material proposed to be substituted is less than the equipment and/or material specified in the Contract and, if the substitution is approved, the Contract price shall be reduced a corresponding amount.

1.23 MAINTENANCE OF TRAFFIC:

- A. In projects where it is applicable, The CONTRACTOR shall submit a maintenance of traffic plan for approval by the CITY TRAFFIC ENGINEER, TRAFFIC SERGEANT AND FIRE MARSHALL prior to commencing work.
- B. The CONTRACTOR shall control his operations and those of his SUBCONTRACTORS and all suppliers, to assure the least inconvenience to the traveling public. Under all circumstances, safety shall be the most important consideration. The CONTRACTOR shall keep roads, streets, or highways open to all traffic and shall provide such maintenance as may be required to maintain specified traffic. The CONTRACTOR shall furnish, erect and maintain barricades, warning signs, flagmen, and other traffic control devices in reasonable conformity with the manual of Uniform Traffic Control Devices for Streets and Highways (published by the United States Government Printing Office), unless otherwise specified herein. The CONTRACTOR shall also construct and maintain in a safe condition any temporary connections necessary for ingress to and egress from abutting property or intersecting roads, streets or highways.
- C. Beginning date of CONTRACTOR's responsibility: the CONTRACTOR's responsibility for maintenance of traffic shall begin on the day he starts work on the project or on the first day contract time is charged, whichever is earlier. His responsibility at this date is to notify the PROJECT MANAGER of the dates when traffic will be affected and where it will be affected and the steps he will take to maintain traffic safety.

- D. Sections not requiring traffic maintenance: In general the CONTRACTOR will not be required to maintain traffic over those portions of the project where no work is to be accomplished or where construction operations will not affect existing roads. The CONTRACTOR, however, shall not obstruct nor create a hazard to any traffic during the prosecution of the work and shall be responsible for repair of any damage to existing pavement or facilities caused by his operation.
- E. No waiver of liability: The CONTRACTOR shall conduct his operations in such a manner that no undue hazard will result due to the requirements of this section, and the procedures and policies described therein shall in no way act as a waiver of any of the terms of the liability of the CONTRACTOR or his surety.

1.24 WORK HOURS AND OVERTIME WORK:

- A. City noise ordinances prohibit any work prior to 7:00 a.m. and after 6:00 p.m., Monday through Friday. Work is allowed 8:00 a.m. to 6:00 p.m. on Saturdays. No work is allowed on Sundays.
- B. CONTRACTOR shall provide weekly progress schedule indicating working hours, and days subject to PROJECT MANAGER'S approval.
- C. CONTRACTOR shall be responsible for reimbursement of inspector's wages when inspection is required for over 40 hours per week, at a rate of \$50.00 per hour.
- D. Overtime inspection fees will not be deducted from moneys due the CONTRACTOR. Payment covering all overtime reimbursements must accompany monthly pay request.

1.25 HURRICANE PREPAREDNESS:

- A. As the schedule for this project may coincide, in part, with the recognized South Florida hurricane season, the CONTRACTOR's attention is drawn to the possibility of hurricane conditions, or severe storm conditions, occurring at the site during the course of Contract work.
- B. When applicable, the CONTRACTOR shall submit to the PROJECT MANAGER and OWNER a Hurricane Preparedness Plan. The plan should outline the necessary measures which the CONTRACTOR proposes to perform at no additional cost to the OWNER in case of hurricane warning.
- C. In the event of inclement weather, or whenever the PROJECT MANAGER shall direct, the CONTRACTOR shall, and will cause sub-Contractors to protect carefully the work and materials against damage or injury by reasons of failure on the part of the CONTRACTOR or any Sub-Contractor to so protect the work. Such work and materials so damaged shall be removed and replaced at the expense of the CONTRACTOR.

Hurricane Watch: Upon designation of a hurricane watch, CONTRACTORS shall be responsible for storing all loose supplies and equipment on the job site that may pose a danger. The CONTRACTOR shall also cooperate with City Personnel in protecting other structures at the site.

Hurricane Warning: No mobile "temporary facility" under the control of the City of Hollywood, or on City property shall be staffed during a hurricane warning. CONTRACTOR facilities meeting these criteria shall comply.

- D. The CONTRACTOR is advised to take all necessary precautions to protect his equipment by moving it to higher ground if in an area subject to flooding. Known areas of Hollywood that would be subject to flooding from storm tides include:

Hollywood Blvd.	North Lake Area	South Lake Area
A1A	Sheridan Street	Dania Beach Blvd.
US Highway 1	46 th Avenue	Hallandale Bch Blvd.

END OF SECTION

ATTACHMENT A

ROOFING PROJECT SPECIFICATION

Roofing Project Specifications

Police Building Roof Replacement

POL 14-005

City of Hollywood – Police Building
3250 Hollywood Boulevard, Hollywood, FL 33020

Roof Areas: All roof areas above 4th Floor of the Police Building



THIS DOCUMENT MUST REMAIN INTACT

8 May 2014

SECTION 011100 – SUMMARY OF

WORK PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Documents affecting work of this Section include, but are not necessarily limited to bidding documents and drawings.

1.2 SUMMARY

- A. Furnish and install roof materials, insulation, flashings, and miscellaneous materials on the following designated roof areas:
- B. Work on all roof areas above the 4th floor of the Police Building:
 - 1. Tear off designated roofing, insulation, flashings, perimeter metal, and obsolete equipment and properly dispose.
 - 2. Install first layer of insulation, as specified.
 - 3. Install second layer of insulation, as specified.
 - 4. Install tapered edge and saddles as required to keep water from standing at raised perimeter, upslope from curbs, and between drains and/or scuppers.
 - 5. Install stripping plies as specified around all penetrations, at curbs, and at roof area perimeters.
 - 6. Install ply sheet as specified.
 - 7. Install cap sheet as specified.
 - 8. Install flashings as specified.
 - 9. Install new surface mount counter flashing, lead stack flashings, and other metal components as specified.
 - 10. Provide manufacturer's warranty as specified.

1.3 INTENT OF THE SPECIFICATIONS

- A. The intent of these specifications is to describe the materials and methods of construction required for the performance of the work. In general, it is intended that the drawings shall delineate the detailed extent of the work. When there is a discrepancy between drawings, referenced specifications, and standards and this specification, this specification shall govern.

1.4 PROTECTION

- A. The Contractor shall use every available precaution to provide for the safety of property owner, visitors to the site, and all connected with the work under the specification.
- B. All existing facilities both above and below ground shall be protected and maintained free of damage. Existing facilities shall remain operating during the period of construction unless otherwise permitted. All access roadways must remain open to traffic unless otherwise permitted.
- C. Barricades shall be erected to fence off all construction areas from operations personnel.
- D. Safety Requirements
 - 1. All application, material handling, and associated equipment shall conform to and be operated in conformance with OSHA safety requirements.
 - 2. Comply with federal, state, local and owner fire and safety requirements.
 - 3. Advise owner whenever work is expected to be hazardous to owner employees and/or operations.
 - 4. Maintain a crewman as a floor area guard whenever roof decking is being repaired or replaced.
 - 5. Maintain proper fire extinguisher within easy access whenever power tools, roofing kettles, and torches are being used.
 - 6. All safety requirements of the building owner must be followed. No exceptions will be permitted. Safety orientation meeting required prior to performing any work

1.5 HOUSEKEEPING

- A. Keep materials neat and orderly.
- B. Remove scrap, waste and debris from project area.
- C. Maintenance of clean conditions while work is in progress and cleanup when work is completed shall be in strict accordance with the "General Requirements" of this contract.

END OF SECTION 011100

SECTION 013119 – PROJECT

MEETINGS PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Documents affecting work of this Section include, but are not necessarily limited to bidding documents and drawings.

1.2 PRE-CONSTRUCTION CONFERENCE

- A. Preconstruction Conference will be scheduled within 15 working days after Owner has issued Notice to Proceed, but prior to actual start of Work.

- B. Attendance: Representative of owner, roofing manufacturer/supplier, and

contractor. C. Minimum agenda: Data will be distributed and discussed on:

1. Organizational arrangement of Contractor's forces and personnel, and those of subcontractors, materials suppliers, and Project Manager.
2. Channels and procedures for communication.
3. Review set-up area.
4. Review all required permits.
5. Review insurance requirements.
6. Construction schedule, including sequence of critical work.
7. Contract Documents, including distribution of required copies of Drawings and revisions.
8. Processing of Shop Drawings and other data submitted to Project Manager for review.
9. Processing of field decisions and Change Orders.
10. Rules and regulations governing performance of work.
11. Procedures for safety and first aid, security, quality control, housekeeping, and related matters.

1.3 PROGRESS MEETINGS

- A. Will be scheduled by owner's representative weekly or as described at pre-bid meeting.
- B. Attendance: Owner, Contractor, Job Superintendent, Roofing Material Manufacturer/Supplier, and Sub-Contractors, as appropriate.
- C. Minimum Agenda:
 - 1. Review of work progress.
 - 2. Field observations, problems, and decisions.
 - 3. Identification of problems which impede planned progress.
 - 4. Maintenance of progress schedule.
 - 5. Corrective measures to regain projected schedules.
 - 6. Planned progress during succeeding work period.
 - 7. Coordination of projected progress.
 - 8. Maintenance of quality and work standards.
 - 9. Effect of proposed changes on progress, schedule, and coordination.
 - 10. Other business relating to work.

1.4 PRE-FINAL INSPECTION

- A. Contractor must inform material supplier and building owner's representative when he is ready to schedule a pre-final inspection.
- B. Installations or details noted as deficient during inspection must be repaired and corrected by applicator.
- C. Once corrections have been made, contractor must inform material supplier and building owner's representative so a second inspection can be scheduled.
- D. Material supplier must approve roofing system prior to application of cap sheet.

1.5 FINAL INSPECTION

- A. Scheduled by roofing material manufacturer upon job completion.
- B. Attendance: Owner or designated representative, contractor, roofing material manufacturer/supplier.
- C. Minimum Agenda.

- D. Walkover inspection.
- E. Identification of needed corrections to be completed by contractor with final approval from warrantor.

END OF SECTION 013119

SECTION 013219 – SUBMITTALS

SCHEDULE PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Documents affecting work of this Section include, but are not necessarily limited to bidding documents and drawings.

1.2 SUBMITTAL

PROCEDURES A.

Coordination of submittals.

1. Prior to each submittal, carefully review and coordinate all aspects of each item being submitted.
2. Verify that each item and submittal for it conforms in all respects with specified requirements.
3. By affixing Contractor's signature or approval stamp to each submittal, he/she certifies that this coordination has been performed.

B. Substitutions:

1. The Contract is based on standards of quality established in Contract Documents. To give all bidders equal opportunity, use of any materials or methods other than those specified will require proper submittal information and must be pre-approved in written addenda 10 days prior to bid due date.
2. Products requiring no further approval:
 - a. Minor products specified by reference to standard specification such as
ASTM and similar standards.
 - b. Products specified by manufacturer's name and catalog model number.
3. Building owner reserves right to final authority on acceptance or rejection of any substitute.
4. Request for substitutions will be accepted from prime bidders only. Requests for substitutions from parties not bidding on project as a primary contractor will not be considered.

C. "Or equal":

1. Specified materials are named to denote kind and quality required, whether or not words "or approved equal" are used. These materials shall serve as standards and all proposals shall be based upon same.
2. Where phrase "or equal," or "or equal as approved by Owner," occurs in Contract Documents, The material or method must be so approved for this Work by Owner prior to receipt of bids.
3. Owner's decision is final.

D. "Basis of Design":

1. Materials, manufacturer's product designations, and/or manufacturer's names specified herein shall be regarded as the minimum standard of quality required for work of this specification. Comply with all manufacturer and contractor/ fabricator quality and performance criteria specified within this document.

1.3 SUBMITTAL DOCUMENTS – **MUST BE SUBMITTED WITH PROPOSAL / BID**

- A. Copy of Miami Dade County Notice of Acceptance (NOA) for proposed roof system.
- B. Product data sheets for the following:

- Insulation adhesive, base layer of insulation, top layer of insulation, base sheet, and cap sheet, coping cap.

- C. A list of five (5) jobs of similar size where proposed materials have been used, under similar conditions as specified.

D. Shop Drawings:

1. Make Shop Drawings accurately to a scale sufficiently large to show all pertinent aspects of item and its method of connection to Work.
2. Owner will review and comment on required changes. The Contractor may make and distribute corrected copies as are required for his purposes.

- E. Sample of roofing supplier's warranty which meets all requirements of specified warranty.

- F. Material supplier providing roofing warranty shall have an ISO 9001 certification.

- G. Letter from material supplier on company stationery, confirming that all bidding documents have been approved, that site has been inspected and meets requirements for suitability, and that specified warranty shall be provided upon satisfactory completion of project.

- H. Verify material supplier is a financially stable organization with ability to protect building Owner from both product liability and warranty claims relating to roofing that might arise during course of warranty period. It is intent of building Owner to establish requirements that will protect him, be fair to all suppliers and ensure that requirements are in line with exposure of supplier. The following information will be provided by material supplier that will issue warranty and will be submitted by prime bidder:
- I. Any proposed substitute materials or methods must also be accompanied by following documentation:
 - 1. A detailed analysis of roofs being bid on.
 - 2. A complete specification of proposed substitute. If, after review, substitute is found to be acceptable, copies will be provided to each bidder who has picked up original specification.
 - 3. Written explanation of why substitutions should be considered is required.

1.4 BID DOCUMENTS

- A. Bid and Proposal Form shall contain quotes to be identified "BASE BID" for specified materials and methods. Quotes for approved substitutions or specified alternates shall be identified as 'DEDUCTION FROM BASE BID" for installation.
- B. Certificate of insurance for General Liability, Worker's Compensation Insurance, and auto insurance.

END OF SECTION 013219

SECTION 014200 –

REFERENCES PART 1 –

GENERAL

1.1 RELATED DOCUMENTS

- A. Documents affecting work of this Section include, but are not necessarily limited to bidding documents and drawings.

1.2 REFERENCE STANDARDS

- A. Referenced specifications and standards published by national societies, associations, and institutes shall be considered as part of this specification. In all cases, referenced specification or standard shall be most recent publication date. Abbreviated identifications for particular organizations involved are as listed below:

1. AIA - The American Institute of Architects
2. ANSI – American National Standards Institute
3. ASCE - American Society of Civil Engineers
4. ASHRAE - The American Society of Heating, Refrigerating and Air-Conditioning Engineers
5. ASTM - American Society for Testing and Materials
6. AWPA - American Wood Preservers Association
7. AWPB - American Wood Preservers Bureau
8. FM - Factory Mutual Global
9. MDC – Miami Dade County Product Control Division
10. NRCA - National Roofing Contractors Association
11. OSHA - Occupational Safety and Health Administration
12. SMACNA - Sheet Metal and Air-conditioning Contractors National Association
13. UL - Underwriters Laboratory
14. WH - Warnock-

Hersey.

END OF SECTION 014200

SECTION 014500 – QUALITY

CONTROL PART 1 - GENERAL

RELATED DOCUMENTS

- A. Documents affecting work of this Section include, but are not necessarily limited to bidding documents and drawings.

QUALITY CONTROL

- B. Contractor shall:
 - 1. Be experienced in torch applied roofing and modified bitumen roofing.
 - 2. Be acceptable by owner and roofing material Manufacturer/supplier.
- C. Roofing manufacturer shall:
 - 1. Be an Associate Member in good standing with National Roofing Contractors Association (NRCA).
 - 2. Be recognized in roofing, waterproofing and moisture survey industry.
 - 3. Be approved by owner.
 - 4. Material manufacturer/supplier must supply representative to perform periodic inspections throughout course of project. Written reports must be submitted to owner's representative and copies to contractor.
 - 5. Material supplier providing roofing warranty shall have an ISO 9001 certification.
- D. Any deficiencies noted during inspections must be corrected by contractor and approved in writing by material manufacturer/supplier's representative.

RANDOM SAMPLINGS

- E. During course of work, owner/owner's representative, may secure samples of materials being used from containers at job site and submit them to an independent laboratory for comparison to specified material.
- F. Materials shall be tested using ASTM D2829 - 07 (or most recent) Standard Practice for Sampling and Analysis of Existing Built-Up Roof Systems or other ASTM Standards for collecting, sampling and testing roof materials.

G. If test results prove that a material is not functionally equal to specified material:

1. Contractor shall pay for all testing.
2. Owner will charge Contractor a penalty up to 20 percent of contract price when all work has been completed before test results become known.
3. Owner will charge Contractor a penalty in proportion to amount of work completed before test results become known. Remaining work shall be completed with specified materials.

PART 2 -

PRODUCTS

GENERAL

- A. Comply with Quality Control, References, Specification, and Manufacturer's data. Where conflict may exist, more stringent requirements govern.
- B. Provide primary products, including each type of roofing sheet (felt), bitumen, base flashings, miscellaneous flashing materials, and sheet metal components from a single manufacturer, which has produced that type of product successfully for not less than ten (10) years. Provide secondary products (insulation, mechanical fasteners, lumber, etc.) only as recommended by manufacturer of primary products for use with roofing system specified.

PART 3 -

EXECUTION

SUBMITTALS

- A. Provide building owner's representative a letter from roof material manufacturer indicating that applicator is approved to install their products and will provide warranty for this installation.

END OF SECTION 014500

SECTION 016600 – PRODUCT STORAGE AND

HANDLING PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Documents affecting work of this Section include, but are not necessarily limited to bidding documents and drawings.

1.2 DESCRIPTION

A. Delivery of Materials

1. Deliver materials to job-site in new, dry, unopened and well-marked containers showing product and manufacturer's name.
2. Deliver materials in sufficient quantity to allow continuity of work.

B. Storage of Materials

1. Store bitumen and ply sheets in dry area protected from water or extreme humidity.
2. Store coatings and adhesives in an area where the minimum temperature is 40°F.
3. Store ply sheets on ends only. Discard rolls which have been flattened, creased, or otherwise damaged.
4. Stack insulation on pallets.
5. Remove plastic packing shrouds. Cover all stored materials with tarpaulin top to bottom. Secure tarpaulin.
6. Store formed edge metal in a dry area and protect from water. Remove metal immediately from wet packaging. Wet packaging may stain and corrode metal, especially mill finish aluminum.
7. Rooftop storage: Disperse material on roof to avoid overloading the structure.

C. Material Handling

1. Handle all materials on site to avoid bending, tearing, or other damage during transportation and installation.
2. Material handling equipment shall be selected and operated so as not to damage existing construction or applied roofing. Do not operate or situate material handling equipment in locations that will hinder smooth flow of

vehicular or pedestrian traffic.

Environmental Requirements

3. Do not work in rain or in presence of water.

END OF SECTION 016600

SECTION 017836 –

WARRANTIES PART 1 -

GENERAL

1.1 RELATED DOCUMENTS

- A. Documents affecting work of this Section include, but are not necessarily limited to bidding documents and drawings.

1.2 GENERAL

- A. This specification section sets forth warranty requirements.

1.3 WARRANTY

- A. Quotations will include a price for a twenty (20) year NDL (no dollar limit), non-prorated warranty to be provided by the material supplier. If the supplier is a subsidiary company, the warranty must be issued by the parent company.
- B. The material supplier will issue the warranty to owner upon material supplier acceptance of project completion and full payment of all bills related to project.
- C. Warranty supplier shall require annual roof maintenance. Each maintenance visit will include Inspections, Housekeeping, Routine Maintenance and Preventive Maintenance as described below.

1. General

- a. All repairs will follow the manufacturer's written repair and maintenance guidelines or NRCA recommended repair procedure.

2. Debris

- a. A complete walkover of the existing roof areas to determine the immediate surface conditions of the roof.
- b. Removal of all naturally occurring debris (i.e., leaves, branches,

paper and similar items) from the roof membrane.

- c. Service will include removal of surface debris from the roof drains, gutters, and scuppers, but not clogged piped or plumbing.
- d. All debris will be disposed of at the owner's approved site location.

3. Terminations and Flashing

- a. Sealant voids in termination bars, counter flashings and parapet caps will be cleaned and resealed as required.
- b. Exposed fasteners will be resealed on perimeter metal details where required.
- c. All pitch pans will be refilled and topped off as required.
- d. Metal projections (hoods and clamps) will be checked and resealed.
- e. Soil stack leads will be inspected for cuts or holed and temporarily resealed when required with appropriate materials until arrangements can be made for permanent repair.
- f. Re-secure loose metal coping caps, termination bars, counter flashings and metal edge systems where required with appropriate fasteners.

4. Membrane

- a. Tears, splits and breaks in the perimeter and internal membrane flashing systems and flashing strip-ins will be repaired with appropriate repair materials.
- b. Visible membrane defects which may allow water into the roofing system will be repaired with appropriate repair materials.
- c. Dress-up reflective coatings where mastic repairs have been made.
- d. Drains and Gutters
- e. Check and re-secure drain bolts and clamping rings.
- f. Check strip-in around drain leads, coat with approved mastics if required.

END OF SECTION 017836

SECTION 072113 – ROOF AND DECK

INSULATION PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Roof Insulation
- B. This portion of the specification describes materials and workmanship required for installation of insulation over roof decks.
- C. All materials described herein shall be furnished and installed by roofing contractor unless specifically noted otherwise.

1.3 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed insulation materials shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Membrane roofing and base flashings shall remain watertight.
- B. Material Compatibility: Provide insulation materials that are compatible with one another under conditions of service and application required, as demonstrated by membrane roofing manufacturer based on testing and field experience.
- C. FM Approvals Listing: Provide membrane roofing, base flashings, and component materials that are consistent with requirements in FM Approvals 4470 as part of a membrane roofing system, Identify materials with FM Approvals markings.
 - 1. Fire/Windstorm Classification: FM 1-120 (minimum)

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that has UL, FM, and Miami Dade County Product Control Division approvals approved for membrane roofing system consistent to that used for this Project.

- B. **Installer Qualifications:** A qualified firm that is approved, authorized, or licensed by membrane roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.
- C. **Source Limitations:** Obtain components including roof insulation, fasteners, adhesive, and etc. as approved by membrane roofing manufacturer.
- D. **Preliminary Roofing Conference:** Before starting construction, conduct conference at Project site.
 - 1. Meet with Owner's representative, roofing Installer, roofing system manufacturer's representative.
 - 2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
 - 3. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 4. Review deck substrate requirements for conditions and finishes including flatness and fastening.
 - 5. Review structural loading limitations of roof deck during and after roofing.
 - 6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that will affect roofing system.
 - 7. Review governing regulations and requirements for insurance and certificates if applicable.
 - 8. Review temporary protection requirements for roofing system during and after installation.
 - 9. Review roof observation and repair procedures after roofing installation.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Insulation shall be delivered to site in an undamaged and dry condition. Material received that is not dry or is otherwise damaged shall be rejected.
- C. Proper storage on or off site shall be roofing contractor responsibility.
- D. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.

- E. Any unused insulation remaining on roof at end of workday shall be returned to storage.
- F. Handle and store roofing materials and place equipment in a manner to avoid permanent deflection of deck.

1.6 INSULATION – GENERAL

- A. All insulation materials must be approved by warrantor of primary roof membrane materials. Samples should be provided to manufacturer and written approval from warrantor of primary roof membrane materials is required before ordering these materials for project.
- B. Insulation boards shall be full size except when cutting is required at roof edges and openings. Boards that are broken, cracked, have been exposed to moisture, or are otherwise damaged shall not be used.
- C. Proper installation and fit of wood nailers, blocking, and other rough carpentry in appropriate locations shall be verified prior to installation of roof insulation.
- D. Caution shall be exercised with construction traffic to avoid damage to new insulation.
Breaking or crushing of insulation is unacceptable and any damaged insulation shall be replaced at roofing contractor's expense.
- E. Insulation shall be laid with end joints staggered and all joints tight; however, boards shall not be forced into place.
- F. No more insulation shall be installed during any work period than can be covered by all plies of roofing during same work period. At end of work period, temporary edge seals shall be installed to protect roof insulation. Upon resumption of work, they must be removed. Such seals shall consist of strips of roofing felt applied and top-coated with specified adhesive.
- G. Insulation surfaces shall be cleared of all debris before roofing is placed.
- H. All precautions should be made to prevent bitumen dripping during and after application of insulation and roofing materials.

1.7 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.8 WARRANTY

- A. Refer to warranty section for requirements.

PART 2 - PRODUCTS

2.1 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved membrane roofing manufacturer, selected from manufacturer's standard sizes suitable for application, of thicknesses indicated.
- B. Base layer - Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class I, Grade 3, with glass-fiber mat facer on both major surfaces, minimum thickness – 1".
- C. Cover Board: ASTM C 1278/C 1278M, cellulosic-fiber-reinforced, water-resistant gypsum substrate, 1/4" thick minimum.
 - 1. Products: Subject to compliance with requirements, available products to be incorporated into the work include the following:
 - a. USG Corporation SECUROCK Gypsum-Fiber Roof Board

2.2 INSULATION ACCESSORIES

- A. General: Furnish roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with membrane roofing.
- B. Bead-Applied Insulation Adhesive: Insulation manufacturer's recommended bead-applied, low-rise, two component urethane adhesive formulated to attach roof insulation to substrate or to another insulation layer.
 - 1. Products: Subject to compliance with requirements, available products to be incorporated into the work include the following:
 - a. TITASET / 3M Polyurethane Foam Insulation Adhesive CR-20
- C. Insulation Cant Strips: ASTM C 728, perlite insulation board.
- D. Tapered Edge Strips: ASTM C 728, perlite insulation board.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with the following requirements and other conditions affecting performance of insulation system:

1. Verify that roof openings and penetrations are in place and curbs are set and braced and that roof drain bodies are securely clamped in place.
2. Verify that wood cants, blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
3. Contractor must verify deck slopes and determine if insulation stops and/or backnailing is required by warranty supplier based on system being installed.
4. Prior to installing insulation, deck must be inspected and accepted by roofing contractor and roofing system warrantor.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- C. Roofing contractor shall perform all other work of preparing deck. When insulation is applied, deck shall be dry and free of dew, frost, ice, and snow.

3.3 INSULATION INSTALLATION

- A. Comply with roofing system manufacturer's written instructions for installing roof insulation.
- B. Insulation Cant Strips: Install and secure preformed 45-degree insulation cant strips at junctures of roofing membrane system with vertical surfaces or angle changes more than 45 degrees.
- C. All boards installed shall be 18 inches in length or width, minimum.
- D. Install tapered insulation under area of roofing to conform to slopes indicated.
- E. Install insulation with long joints of insulation in a continuous straight line with end joints staggered between rows, abutting edges and ends between boards. Fill gaps exceeding 1/4 inch with insulation.
 1. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.

- F. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict flow of water.
- G. Install tapered edge strips at perimeter edges of roof that do not terminate at vertical surfaces.
- H. Adhered Insulation: Install each layer of insulation and adhere to substrate as follows:
 - 1. Set each layer of insulation in beads of TITESET / 3M Polyurethane Foam
Insulation Adhesive CR-20 adhesive per manufacturer's instructions.
- I. Install specified cover board over insulation in beads of TITESET / 3M Polyurethane Foam Insulation Adhesive CR-20 per manufacturer's instructions with long joints in continuous straight lines with end joints staggered between rows. Offset joints a minimum of 6 inches in each direction from joints of insulation below.

3.4 FIELD QUALITY CONTROL

- A. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.
 - 1. Notify owner's representative 48 hours in advance of date and time of inspection.
- B. Roofing system will be considered defective if it does not pass inspections.

3.5 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period.
When remaining construction will not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to the owner's representative.
- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION 072113

SECTION 075216 - SBS MODIFIED BITUMINOUS MEMBRANE

ROOFING PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Styrene-butadiene-styrene (SBS) modified bituminous membrane roofing (White).

1.3 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed membrane roofing and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Membrane roofing and base flashings shall remain watertight.
- B. Material Compatibility: Provide roofing materials that are compatible with one another under conditions of service and application required, as demonstrated by membrane roofing manufacturer based on testing and field experience.
- C. FM Approvals Listing: Provide membrane roofing, base flashings, and component materials that comply with requirements in FM Approvals 4470 as part of a membrane roofing system, Identify materials with FM Approvals markings.
 - 1. Fire/Windstorm Classification: Class 1A-120 minimum
- D. Proposed roof system must have Miami Dade County Product Control Notice of Acceptance (NOA) with a maximum design pressure of - 442.5 psf minimum.
- E. Energy Performance: Provide roofing system with initial Solar Reflectance Index not less than 78 when calculated according to ASTM E 1980 based on testing identical products by a qualified testing agency.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that has UL, FM, and Miami Dade County Product Control approvals approved for membrane roofing system consistent to that used for this Project.
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by membrane roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.
- C. Source Limitations: Obtain components including roof insulation, fasteners, adhesive, and etc. as approved by membrane roofing manufacturer.
- D. Exterior Fire-Test Exposure: ASTM E 108, Class A; for application and roof slopes indicated, as determined by testing membrane roofing materials by a qualified testing agency. Materials shall be identified with appropriate markings of applicable testing agency.
- E. Preliminary Roofing Conference: Before starting construction, conduct conference at Project site.
 - 1. Meet with owner's representative, roofing Installer, and roofing system manufacturer's representative.
 - 2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
 - 3. Review and finalize construction schedule and verify availability of materials,
 - Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 4. Review deck substrate requirements for conditions and finishes, including
 - flatness and fastening.
 - 5. Review structural loading limitations of roof deck during and after roofing.
 - 6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that will affect roofing system.
 - 7. Review governing regulations and requirements for insurance and certificates if applicable.
 - 8. Review temporary protection requirements for roofing system during and after installation.
 - 9. Review roof observation and repair procedures after roofing installation.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials and place equipment in a manner to avoid permanent deflection of deck.

1.6 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.7 WARRANTY

- A. Refer to warranty section for warranty

requirements. PART 2 - PRODUCTS

2.1 SBS-MODIFIED ASPHALT-SHEET

MATERIALS A. SBS-Modified Bituminous

Membrane Roofing:

In order to establish a unified and coordinated system, a uniform standard of quality, a single source of materials to ensure production of an integrated system, and maintain the capability of a complete system warranty, the specifications are based on a system produced by Soprema, Wadsworth, OH, without intent to restrict other manufacturers from providing an equivalent

installation. Products of other manufacturers which meet the requirements of this section will be considered, provided approval is obtained from the owner's representative ten (10) days before bids are submitted.

1. Base sheet – Waterproofing membrane shall have a non-woven polyester reinforcement and thermofusible elastomeric asphalt. Both sides shall have a special film surface. This membrane is to be applied by heat welding with the following performance characteristics.

Property	Typical Value	Test Method
Thickness, mil (mm)	160 (4.0)	ASTM D5147
Maximum Load, 73.4 ± 3.6°F (23 ± 2°C), lbf/in. (kN/m)	70 MD	ASTM D 6164
Elongation at Maximum Load, 73.4 ± 3.6°F (23 ± 2°C), %	70 XMD	
Elongation at Maximum Load, 73.4 ± 3.6°F (23 ± 2°C), %	56 MD	ASTM D 6164
Maximum Load, 0°F ± 3.6°F (-18 ± 2°C), lbf/in. (kN/m)	91 XMD	
Elongation at Maximum Load, 0°F ± 3.6°F (-18 ± 2°C), %	117 MD	ASTM D 5147/6164
Elongation at Maximum Load, 0°F ± 3.6°F (-18 ± 2°C), %	83 XMD	ASTM D 5147/6164
Tear Strength, 73.4 ± 3.6°F (23 ± 2°C), lbf/in. (kN/m)	29 MD	ASTM D 5147/6164
Low Temperature Flexibility, °F	22 XMD	ASTM D 5147/6164
Dimensional Stability, %	120 MD	ASTM D 5147/6164
Compound Stability, °F	87 XMD	ASTM D 5147/6164
Granule Embedment (Grams Loss), max.	-15°	ASTM D 5147/6164
Net Mass per Unit Area, lbs/100 ft ² (g/m ²)	<0.5	ASTM D 5147/6164
Fire Resistance	230	ASTM D 5147/6164
	0.8	ASTM D 5147/6164
	113 (51.3 kg)	
	Pass, Class A	ASTM E 108

2. Cap sheet - Composed of selected SBS modified bitumen applied onto a polyester reinforcement with a polypropylene film underside and a reflective white top surface. The field and flashing base membrane plies are adhered to a properly prepared, clean, dry and/or primed (where required) substrate by using the specified method. Optional inner ply(s) are bonded to the properly prepared clean, dry and/or primed (where required) top surface using the appropriate application method. This heat welded cap sheet is installed over film surfaced or a high brush sanded base membrane with the following performance characteristics.

Property	Typical Value	Test Method
Thickness, mil (mm)	160 (4.0)	ASTM D5147
Maximum Load, 73.4 ± 3.6°F (23 ± 2°C),	70 MD	ASTM D 6164
lbf/in. (kN/m)	70 XMD	
Elongation at Maximum Load, 73.4 ± 3.6°F	56 MD	ASTM D 6164
(23 ± 2°C), %	91 XMD	
Maximum Load, 0°F ± 3.6°F (-18 ± 2°C),	117 MD	ASTM D
lbf/in. (kN/m)	83 XMD	5147/6164
Elongation at Maximum Load, 0°F ± 3.6°F	29 MD	ASTM D
(-18 ± 2°C), %	22 XMD	5147/6164
Tear Strength, 73.4 ± 3.6°F (23 ± 2°C), lbf/in.	120 MD	ASTM D
(kN/m)	87 XMD	5147/6164
Low Temperature Flexibility, °F	-15°	ASTM D 5147/6164
Dimensional Stability, %	<0.5	ASTM D 5147/6164
Compound Stability, °F	230	ASTM D 5147/6164
Granule Embedment (Grams Loss), max.	0.8	ASTM D 5147/6164
Net Mass per Unit Area, lbs/100 ft ² (g/m ²)	113 (51.3 kg)	
Fire Resistance	Pass, Class A	ASTM E 108

2.2 BASE FLASHING SHEET MATERIALS

First Flashing Ply – Waterproofing membrane shall have a non-woven polyester reinforcement and thermofusible elastomeric asphalt. Both sides shall have a special film surface. This membrane is to be applied by heat welding with the following performance characteristics.

Property	Typical Value	Test Method
Thickness, mil (mm)	160 (4.0)	ASTM D5147
Maximum Load, 73.4 ± 3.6°F (23 ± 2°C),	70 MD	ASTM D 6164
lbf/in. (kN/m)	70 XMD	
Elongation at Maximum Load, 73.4 ± 3.6°F	56 MD	ASTM D 6164
(23 ± 2°C), %	91 XMD	
Maximum Load, 0°F ± 3.6°F (-18 ± 2°C),	117 MD	ASTM D
lbf/in. (kN/m)	83 XMD	5147/6164
Elongation at Maximum Load, 0°F ± 3.6°F	29 MD	ASTM D
(-18 ± 2°C), %	22 XMD	5147/6164
Tear Strength, 73.4 ± 3.6°F (23 ± 2°C), lbf/in.	120 MD	ASTM D
(kN/m)	87 XMD	5147/6164

Low Temperature Flexibility, °F	-15°	ASTM D 5147/6164
Dimensional Stability, %	<0.5	ASTM D 5147/6164
Compound Stability, °F	230	ASTM D 5147/6164
Granule Embedment (Grams Loss), max.	0.8	ASTM D 5147/6164
Net Mass per Unit Area, lbs/100 ft ² (g/m ²)	113 (51.3 kg)	
Fire Resistance	Pass, Class A	ASTM E 108

Top Flashing Ply - Composed of selected SBS modified bitumen applied onto a polyester reinforcement with a polypropylene film underside and a reflective white top surface. The field and flashing base membrane plies are adhered to a properly prepared, clean, dry and/or primed (where required) substrate by using the specified method. Optional inner ply(s) are bonded to the properly prepared clean, dry and/or primed (where required) top surface using the appropriate application method. This heat welded cap sheet is installed over film surfaced or a high brush sanded base membrane with the following performance characteristics.

Property	Typical Value	Test Method
Thickness, mil (mm)	160 (4.0)	ASTM D5147
Maximum Load, 73.4 ± 3.6°F (23 ± 2°C), lbf/in. (kN/m)	70 MD	ASTM D 6164
	70 XMD	
Elongation at Maximum Load, 73.4 ± 3.6°F (23 ± 2°C), %	56 MD	ASTM D 6164
	91 XMD	
Maximum Load, 0°F ± 3.6°F (-18 ± 2°C), lbf/in. (kN/m)	117 MD	ASTM D 5147/6164
	83 XMD	
Elongation at Maximum Load, 0°F ± 3.6°F (-18 ± 2°C), %	29 MD	ASTM D 5147/6164
	22 XMD	
Tear Strength, 73.4 ± 3.6°F (23 ± 2°C), lbf/in. (kN/m)	120 MD	ASTM D 5147/6164
	87 XMD	
Low Temperature Flexibility, °F	-15°	ASTM D 5147/6164
Dimensional Stability, %	<0.5	ASTM D 5147/6164
Compound Stability, °F	230	ASTM D 5147/6164
Granule Embedment (Grams Loss), max.	0.8	ASTM D 5147/6164
Net Mass per Unit Area, lbs/100 ft ² (g/m ²)	113 (51.3 kg)	
Fire Resistance	Pass, Class A	ASTM E 108

2.3 AUXILIARY ROOFING MEMBRANE MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with roofing membrane.
1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
- B. Asphalt Roofing Cement: ASTM D 4586, asbestos free.

Property	Typical Value	Test Method
Lap Shear Adhesion	60.84 lbf	ASTM D 3019
Tensile Strength	1298.1 psi	ASTM D 412
Elongation	961.24%	ASTM D 412
Non-Volatile Matter by Weight	77.67%	ASTM D 4586
Viscosity @ 250°F	116,000 cPs	ASTM D 2196
Specific Gravity	1.0032	ASTM D 1475
Adhesion to Concrete	11.970 lbf/in	ASTM D903
Adhesion to Plywood	11.228 lbf/in	ASTM D 4586/95
Water Content % Max	2.0%	ASTM D 4586/2822
Solids Content	44.6%	ASTM D 4586/4
Bitumen Content %	47.61%	ASTM D 4586/4
Behavior @ 140°F (pass/fail)	Pass	ASTM D 4586/2822
Pliability @ 0°F (pass/fail)	Pass	ASTM D 4586/2822

- C. Mastic Sealant: Polyisobutylene, plain or modified bitumen; nonhardening, nonmigrating, nonskinning, and nondrying.
- D. Glass-Fiber Fabric: - Woven glass-fiber cloth, treated with asphalt, complying with ASTM D 1668, Type I.
- E. Roofing Granules: Ceramic-coated roofing granules, No. 11 screen size with color to match roofing membrane.
- F. Miscellaneous Accessories: Provide those recommended by roofing system manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with the following requirements and other conditions affecting performance of roofing system:
 - 1. Verify that roof openings and penetrations are in place and curbs are set and braced and that roof drain bodies are securely clamped in place.
 - 2. Verify that wood cants, blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.

3.3 ROOFING MEMBRANE INSTALLATION, GENERAL

- A. Install roofing membrane system according to roofing system manufacturer's written instructions and applicable recommendations in ARMA/NRCA's "Quality Control Guidelines for the Application of Polymer Modified Bitumen Roofing".
- B. Start installation of roofing membrane in presence of roofing system manufacturer's technical personnel.
- C. Coordinate installation of roofing system so insulation and other components of the roofing membrane system not permanently exposed are not subjected to precipitation or left uncovered at the end of the workday or when rain is forecast.
 - 1. At end of each day's work, provide tie-offs to cover exposed roofing membrane sheets and insulation with a course of coated felt set in roofing cement or hot roofing asphalt, with joints and edges sealed.
 - 2. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system.
 - 3. Remove and discard temporary seals before beginning work on adjoining roofing.

- D. Asphalt Heating: Heat and apply SEBS-modified roofing asphalt according to roofing system manufacturer's written instructions.
- E. Substrate-Joint Penetrations: Prevent roofing asphalt and adhesives from penetrating substrate joints, entering building, or damaging roofing system components or adjacent building construction.
- F. Membrane installation further requirements:
 - 1. Place base ply sheet to ensure water will flow over or parallel to, but never against, exposed edges.
 - 2. Ply should never touch ply even at roof edges, laps, tapered edge strips, and cants.
 - 3. Avoid traffic on all newly installed membrane.
 - 4. Overlap previous day's work 24 inches.
 - 5. Lap ply sheet ends six inches. Stagger end laps twelve inches minimum.
 - 6. Fit plies into roof drain rims, install metal flashing and finishing plies, secure clamping collars, and install domes.
 - 7. Cut out fishmouths/side laps that are not completely sealed. Replace all sheets that are not fully and continuously bonded.
 - 8. Roof is to be inspected and approved by representative from roof system warrantor before application of surfacing.
 - 9. Follow warranty supplier's recommendations for backnailing requirements.
- G. Daily Waterstop/Tie-Ins
 - 1. Install "deadman" insulation filler at insulation staggers.
 - 2. Extend roofing plies at least twelve inches onto prepared area of adjacent roofing. Strip edges with twelve-inch wide ply sheet.
 - 3. At beginning of next day's work, remove temporary connection by cutting felts evenly along edge of existing roof system. Remove "deadman" insulation fillers

3.4 BASE-SHEET INSTALLATION

- A. Fully adhere base sheet to top layer of insulation using heat welding methods.

3.5 SBS-MODIFIED BITUMINOUS MEMBRANE INSTALLATION

- A. Install modified bituminous cap sheet according to roofing manufacturer's written instructions, starting at low point of roofing system. Extend roofing membrane sheets over and terminate beyond cants, installing as follows:
 - 1. Fully adhere to base ply using heat welding methods.
 - 2. Unroll roofing membrane sheets and allow them to relax for minimum time period required by manufacturer.

3. Install specified membrane as starter strips at all edges, perimeters, transitions, around equipment curbs, and penetrations, and drains, a minimum of 18" width from the top of the cant strip or from the edge on to the roof in specified ply adhesive.

- B. Laps: Accurately align roofing membrane sheets, without stretching, and maintain uniform side and end laps. Stagger end laps. Completely bond and seal laps, leaving no voids.

1. Repair tears and voids in laps and lapped seams not completely sealed.
2. Apply roofing granules to cover exuded bead at laps while bead is hot. C.

Install roofing membrane sheets so side and end laps shed water.

3.6 FLASHING AND STRIPPING INSTALLATION

- A. Install base flashing at all sloped and vertical surfaces, at roof edges, and at penetrations through roof; secure to substrates according to roofing system manufacturer's written instructions, and as follows:

1. Prime substrates with asphalt primer if required by roofing system manufacturer.
2. Backer Sheet Application: Backer sheet to be fully adhered to substrate using heat welding methods.
3. Flashing Sheet Application: Fully adhere flashing sheet to backer sheet using heat welding methods.

- B. Extend base flashing up walls or parapets a minimum of 8 inches (200 mm) above roofing membrane and 4 inches (100 mm) onto field of roofing membrane.

- C. Mechanically fasten top of base flashing securely at terminations and perimeter of roofing.

1. Seal top termination of base flashing with a strip of glass-fiber fabric set in asphalt roofing cement.

- D. Install roofing membrane cap-sheet stripping where metal flanges and edgings are set on membrane roofing according to roofing system manufacturer's written instructions.

3.7 FIELD QUALITY CONTROL

- A. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.

1. Notify owner's representative 48 hours in advance of date and time of inspection.

B. Roofing system will be considered defective if it does not pass inspections.

1. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

3.8 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction will not affect or endanger roofing, inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION 075216

SECTION 076200 – SHEET METAL FLASHING

AND TRIM PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Documents affecting work of this Section include, but are not necessarily limited to, General Requirements, bidding documents and drawings.

1.2 GENERAL

- A. Roofing contractor shall furnish and install all materials described herein unless specifically noted otherwise

1.3 SUMMARY

- A. Formed sheet metal work for flashing is specified in this section.

1.4 RELATED WORK

- A. Composition base flashings and stripping in metal roof flanges:
 - 1. Section 075216 SBS MODIFIED MEMBRANE ROOFING.

1.5 SUBMITTALS

- A. Submit in accordance with Section 013323, Shop Drawings, Product Data, and Samples.
- B. Shop drawings:
 - 1. Flashings.
 - 2. Copings.
 - 3. Manufacturer's Literature and Data.

1.6 APPLICABLE PUBLICATIONS

- A. The publications listed below for a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.

B. American Society for Testing and Materials (ASTM):

1. A167-99(R 2004): Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip
2. A653/A653M-05: Steel Sheet Zinc-Coated (Galvanized) or Zinc Alloy Coated (Galvanized) by the Hot- Dip Process
3. B32-04: Solder Metal
4. B209-04: Aluminum and Aluminum-Alloy Sheet and Plate
5. B370-03: Copper Sheet and Strip for Building Construction
6. D173-03: Bitumen-Saturated Cotton Fabrics Used in Roofing and Waterproofing
7. D412-98 (R2002): Vulcanized Rubber and Thermoplastic Elastomers-Tension
8. D1187-97 (R2002): Asphalt Base Emulsions for Use as Protective Coatings for Metal
9. D1784-03: Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
10. D3656-04: Insect Screening and Louver Cloth Woven from Vinyl-Coated Glass Yarns
11. D4586-00: Asphalt Roof Cement, Asbestos Free

C. Sheet Metal and Air Conditioning Contractors National Association (SMACNA): Architectural Sheet Metal Manual (Fifth Edition, 1993).

D. National Association of Architectural Metal Manufacturers (NAAMM):

1. AMP 500 Series: Metal Finishes Manual

E. American Architectural Manufacturers Association (AAMA):

1. 605-98: Voluntary Specification for High Performance Organic Coatings on Architectural Extrusions Panels

PART 2 - PRODUCTS

2.1 MATERIALS

A. Galvanized Sheet: ASTM,

A653. B. Fasteners:

1. Use galvanized steel or stainless steel for galvanized steel.
2. Nails:

- a. Minimum diameter for stainless steel nails: 2 mm (0.095 inch) and annular threaded.
 - b. Length to provide not less than 7/8" penetration into anchorage.
3. Rivets: Not less than 3 mm (1/8 inch) diameter.
4. Expansion Shields: Fed Spec A-A-

1925A. C. Roof Cement: ASTM D4586.

2.2 SHEET METAL THICKNESS

- A. Except as otherwise shown or specified use thickness or weight of sheet metal as follows:
- B. Exposed Locations:
 1. 24 gauge kynar coated galvanized steel

2.3 FABRICATION

- A. Jointing:
 1. In general, copper, stainless steel and copper clad stainless steel joints, except expansion and contraction joints, shall be locked and soldered.
 2. Joints shall conform to following requirements:
 - a. Flat-lock joints shall finish not less than 3/4 inch wide.
 - b. Lap joints subject to stress shall finish not less than one inch wide and shall be soldered and riveted.
 3. Soldering:
 - a. Pre tin both mating surfaces with solder for a width not less than 1 1/2 inches of uncoated copper, stainless steel, and copper clad stainless steel.
 - b. Wire brush to produce a bright surface before soldering lead coated copper.
 - c. Treat in accordance with metal producers recommendations other sheet metal required to be soldered.
 - d. Completely remove acid and flux after soldering is completed.
- B. Metal Options:
 1. Where options are permitted for different metals use only one metal throughout.
 2. Stainless steel may be used in concealed locations for fasteners of other metals exposed to view.

3. Where copper gravel stops, copings and flashings will carry water onto cast stone, stone, or architectural concrete, or stainless steel

2.4 FINISH

- A. Use same finish on adjacent metal or components and exposed metal surfaces unless specified or shown otherwise.
- B. In accordance with NAAMM Metal Finishes Manual, unless otherwise specified.
 1. Steel and Galvanized Steel:
 - a. Manufacturer's finish: Kynar.

2.5 COUNTERFLASHING

- A. 24 gauge kynar coated steel
- B. Surface Mounted Counterflashing
 1. Use at existing or new surfaces where flashing cannot be inserted in vertical surface.
 2. One piece fabricate upper edge folded double for 1 1/2 inches with top 3/4 inch bent out to form "V" joint sealant pocket with vertical surface. Perforate flat double area against vertical surface with horizontally slotted fastener holes at 16 inch centers between end holes. Option: One piece surface mounted counter-flashing (cap flashing) may be used. Fabricate as detailed on Plate 51 of SMACNA Architectural Sheet Metal Manual.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General:
 1. Install flashing and sheet metal items as shown in Sheet Metal and Air Conditioning Contractors National Association, Inc., publication, ARCHITECTURAL SHEET METAL MANUAL, except as otherwise shown or specified.
 2. Apply sheet metal and other flashing material to surfaces which are smooth, sound, clean, dry and free from defects that might affect the application.
 3. Remove projections which would puncture the materials and fill

holes and depressions with material compatible with the substrate. Cover holes or cracks in wood wider than 1/4 inch with sheet metal compatible with the roofing and flashing material used.

4. Confine direct nailing of sheet metal to strips 12 inch or less wide. Nail flashing along one edge only. Space nails not over 4 inches on center unless specified otherwise.
5. Install bolts, rivets, and screws where indicated, specified, or required in accordance with the SMACNA Sheet Metal Manual. Space rivets at 3 inch on centers in two rows in a staggered position. Use neoprene washers under fastener heads when fastener head is exposed.
6. Coordinate with roofing work for the installation of metal base flashings and other metal items having roof flanges for anchorage and watertight installation.
7. Nail continuous cleats on 3 inch on centers in two rows in a staggered position.
8. Nail individual cleats with two nails and bend end tab over nail heads. Lock other end of cleat into hemmed edge.
9. Install flashings in conjunction with other trades so that flashings are inserted in other materials and joined together to provide a water tight installation.
10. Where required to prevent galvanic action between dissimilar metal isolate the contact areas of dissimilar metal with sheet lead, waterproof building paper, or a coat of bituminous paint.

3.2 COUNTERFLASHING

A. General:

1. Install counterflashing over and in conjunction with installation of base flashings, except as otherwise specified or shown.
2. Install counterflashing to lap base flashings not less than 4 inch.
3. Install upper edge or top of counterflashing not less than 9 inch above top of the roofing.
4. Lap joints not less than 4 inch. Stagger joints with relation to metal base flashing joints.
5. Use surface applied counterflashing on existing surfaces and new work where not possible to integrate into item.

6. When fastening to concrete or masonry, use screws driven in expansion shields set in concrete or masonry. Use screws to wood and sheet metal. Set fasteners in mortar joints of masonry work.
- B. One Piece Counterflashing:
1. Where flashing is surface mounted on flat surfaces.
 - a. When top edge is double folded anchor flat portion below sealant "V" joint with fasteners spaced not over 16 inch on center.
 - b. Locate fasteners in masonry mortar joints.
 - c. Use screws to sheet metal or wood.
 - d. Fill joint at top with sealant.

END OF SECTION 076200

ATTACHMENT B

REDUCED PLAN AND DETAILS








POLICE STATION ROOF PLAN

ADDRESS: 3250 HOLLYWOOD BLVD.

EXIST. ROOF TYPE: ASPHALT PITCH AND GRAVEL BUILT-UP
ROOF OVER CONCRETE.

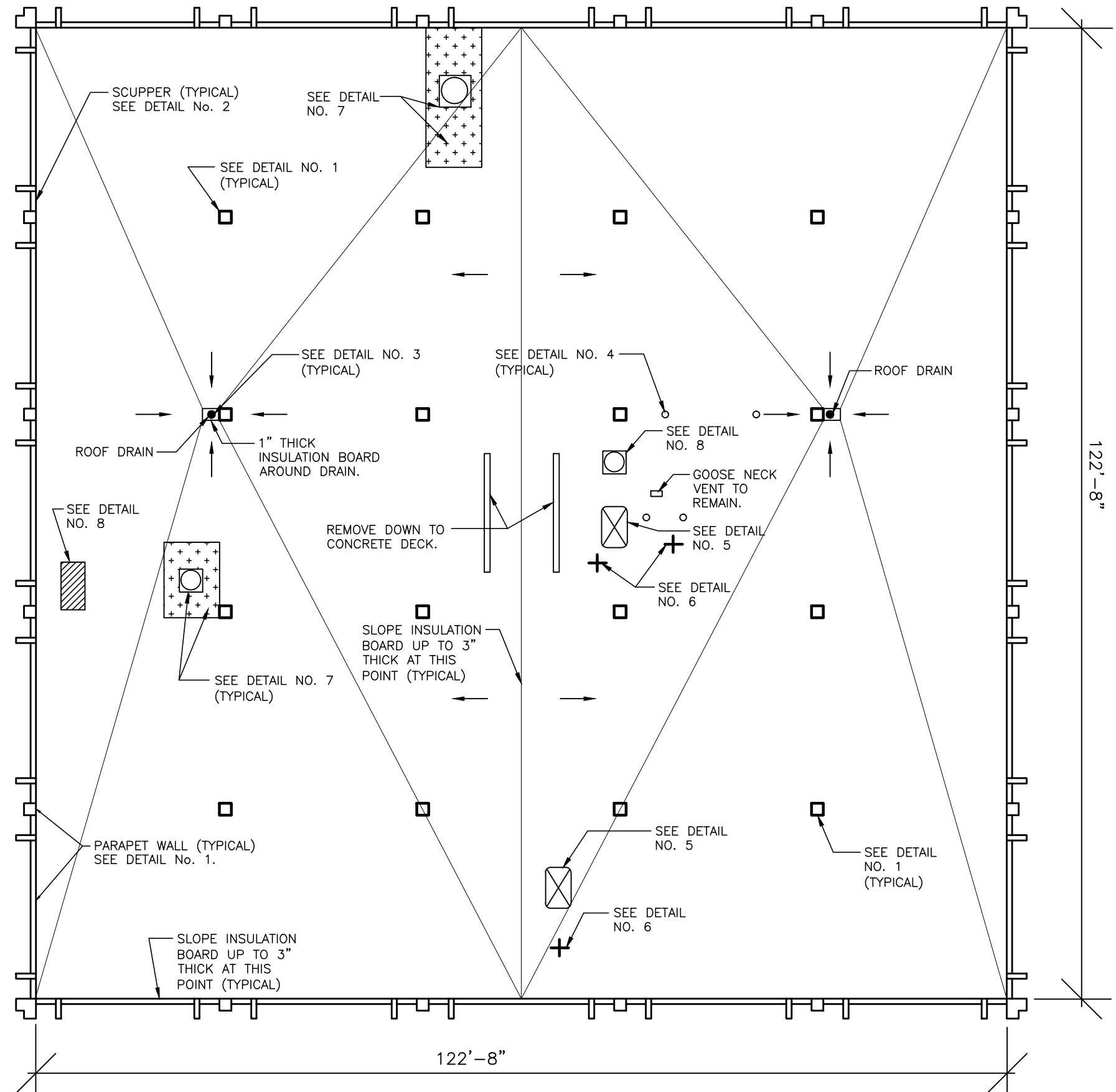
ROOF AREA: APPROX. 15,000 S.F.
ROOF HEIGHT: 4th STORY.

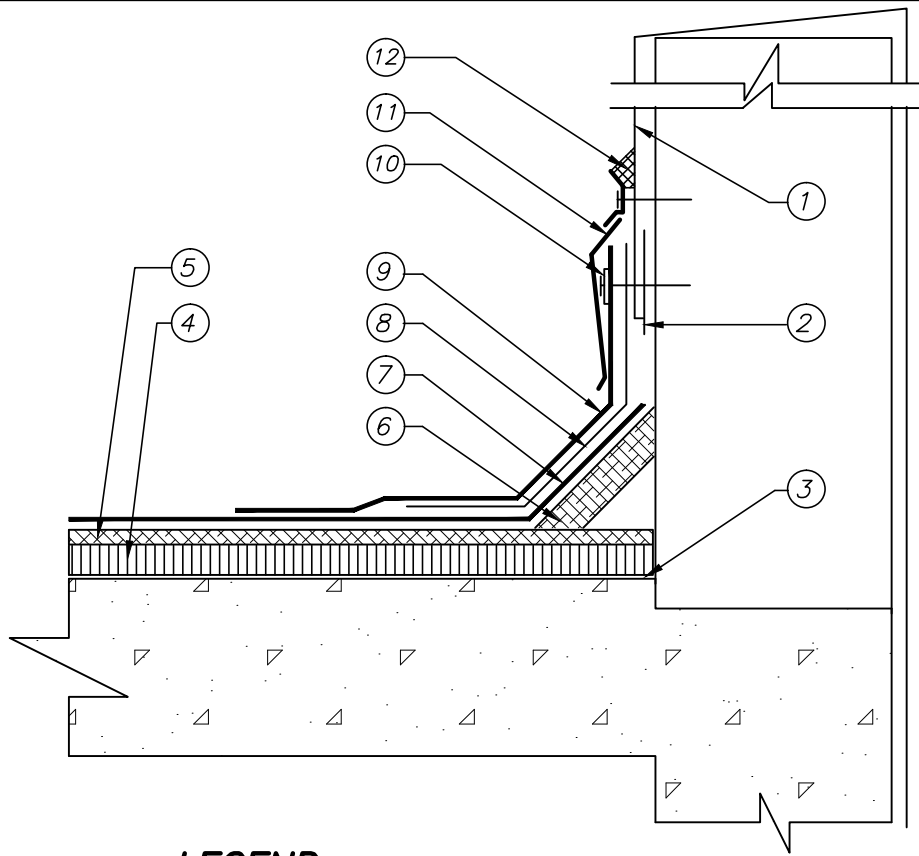
LEGEND:

- | | |
|-----------------------------------------------------------------------------------|-------------------|
|  | ROOF PENETRATION. |
|  | ROOF DRAIN. |
|  | VENT STACK. |
|  | AIR VENT. |
|  | A/C UNIT |
|  | RAISED SLAB |
|  | ROOF ACCESS. |

NOTE:

EXISTING ITEMS TO REMAIN WHICH ARE NOT SHOWN
ON THIS ROOF PLAN SHALL FOLLOW THE APPROPRIATE
DETAIL FOR THE SITUATION.

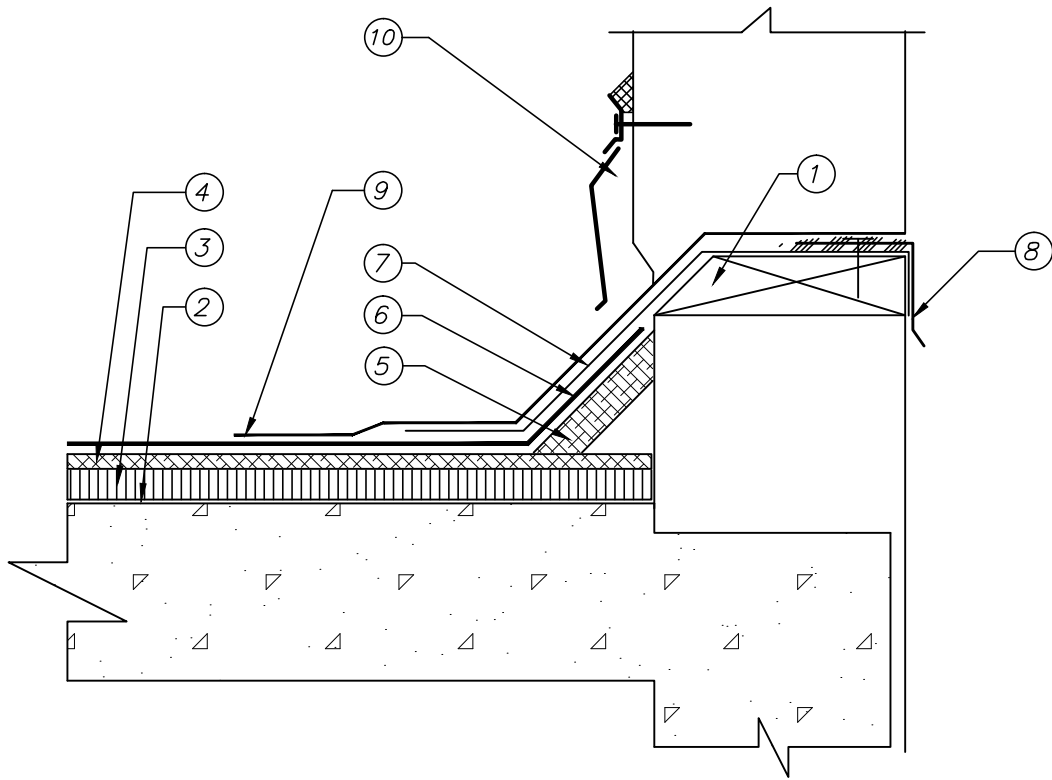




LEGEND:

- ① SCRAPE-OFF PAINT FROM STUCCO 2 INCHES ABOVE AND BELOW REGLET. PRIME SURFACES AS REQUIRED FOR PROPER SEALANT ADHESION.
- ② CUT-AWAY EXISTING EXPOSED METAL COUNTER-FLASHING AND HAMMER DOWN SHARP EDGE.
- ③ INSULATION ADHESIVE.
- ④ BASE LAYER INSULATION (1" THICK @ DRAIN TO 3" THICK @ PARAPET WALL).
- ⑤ 1/4" THICK COVER BOARD.
- ⑥ 4" FIBROUS WOOD CANT.
- ⑦ SPECIFIED ROOF MEMBRANE TERMINATING AT TOP OF CANT.
- ⑧ FLASHING MEMBRANE. EXTEND MEMBRANE FROM THE REGLET TO NOT LESS THAN 4 INCHES BEYOND THE BASE OF THE CANT ONTO THE ROOF.
- ⑨ SPECIFIED STRIPPING PLIES.
- ⑩ INSTALL AN APPROVED ANCHOR BAR SYSTEM, 1/2" FROM TOP OF FLASHING SECURED APPROX. 8 INCHES O.C. PRE-DRILLING FOR FASTENERS WILL BE REQUIRED. SEAL FASTENER SYSTEM & TOP EDGE OF FLASHING WITH REINFORCING MEMBRANE AND MASTIC.
- ⑪ FRY REGLET COUNTER-FLASHING SECURED TO PARAPET WALL WITH APPROVED FASTENERS. PRE-DRILLING WILL BE REQUIRED. SEAL FASTENERS
- ⑫ ELASTOMERIC SEALANT. TOOL IN CLEANLY.

DETAIL No. 1 **PARAPET FLASHING**

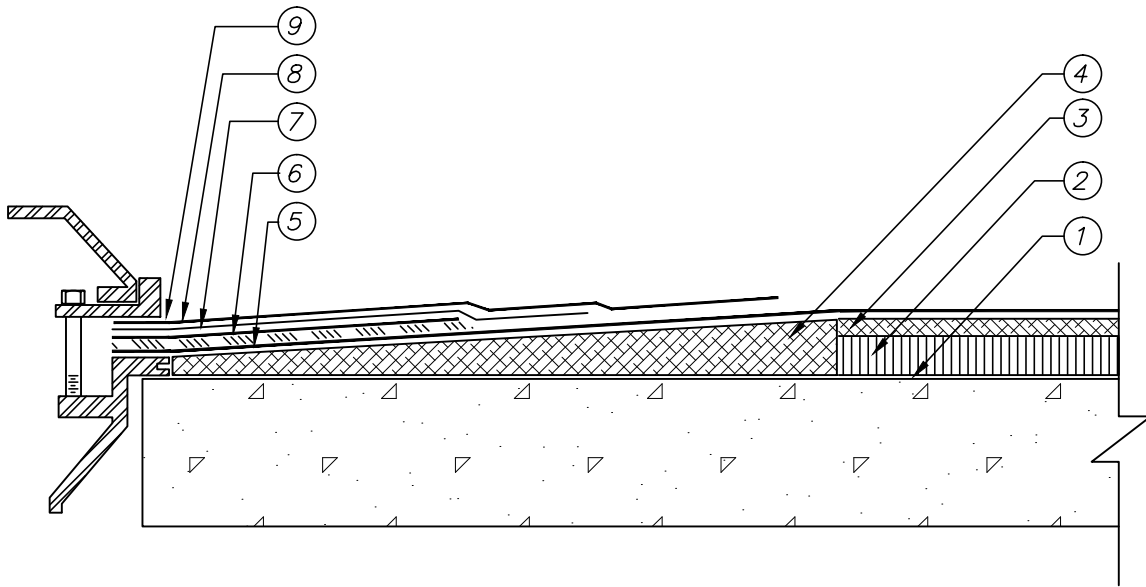


LEGEND:

- ① 2" X PRESSURE TREATED WOOD NAILER.
- ② INSULATION ADHESIVE
- ③ BASE LAYER INSULATION.
- ④ 1/4" THICK COVER BOARD.
- ⑤ 4" FIBROUS WOOD CANT.
- ⑥ SPECIFIED ROOF MEMBRANE EXTENDING TO TOP OF CANT. SEAL TOP EDGE OF CANT AND MEMBRANE WITH MASTIC.
- ⑦ FLASHING MEMBRANE. EXTEND MEMBRANE FROM UNDER ALUMINUM EDGING TO NOT LESS THAN FOUR INCHES BEYOND THE BASE OF THE CANT ONTO THE ROOF
- ⑧ ALUMINUM EDGING SECURED TO NAILER 3" O.C.
- ⑨ FLASHING MEMBRANE. EXTEND MEMBRANE FROM THE ALUMINUM EDGING TO 4 INCHES BEYOND THE FLASHING MEMBRANE. SEAL EDGES OF FLASHING WITH MASTIC.
- ⑩ SEAL END OF COUNTERFLASHING IN MANNER APPROVED BY ENGINEER.

DETAIL No. 2 **OVERFLOW SCUPPER FLASHING**

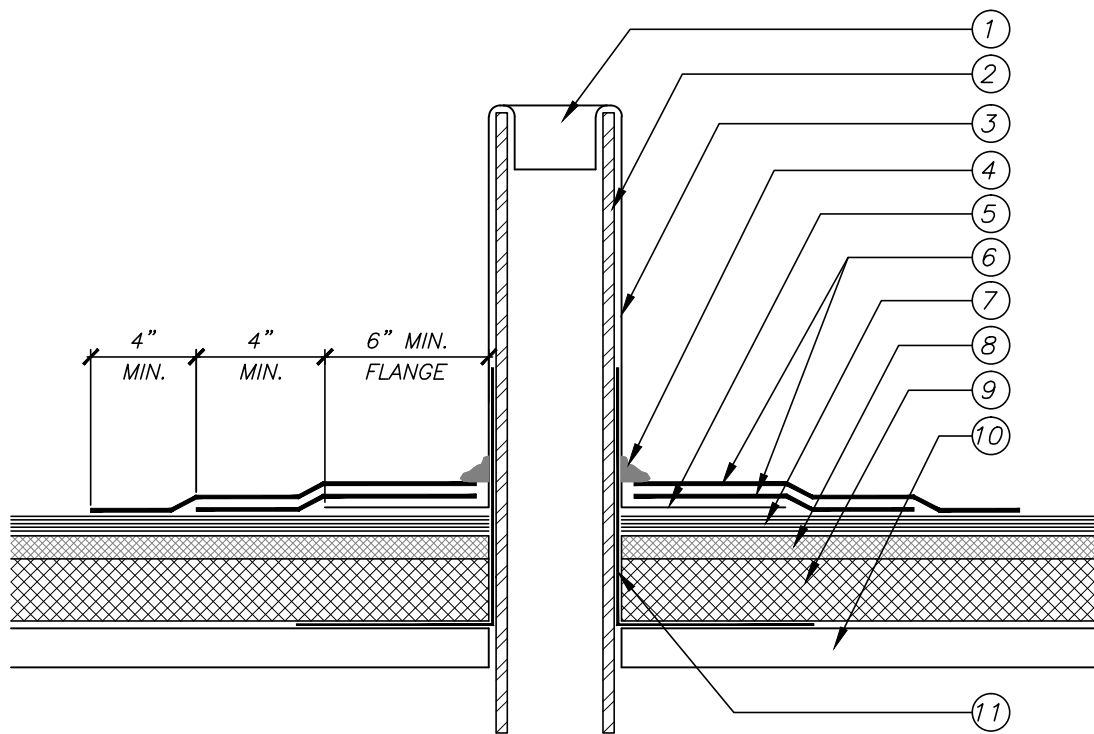
N.T.S.



LEGEND:

- ① INSULATION ADHESIVE.
- ② BASE LAYER INSULATION
- ③ 1/4" THICK COVER BOARD.
- ④ BASE LAYER INSULATION WITH COVER BOARD.
- ⑤ SPECIFIED ROOF MEMBRANE.
- ⑥ 4 Lb. LEAD DRAIN SHEET, 30 INCHES SQUARE. SET IN MASTIC DIRECTLY TO BASE SHEET MEMBRANE. PRIME DRAIN SHEET & STRIP-IN WITH REINFORCING MESH.
- ⑦ REINFORCING MEMBRANE SHEET 3'X3' (TORCH APPLIED).
- ⑧ CAP SHEET.
- ⑨ CAP SHEET, LEAD DRAIN SHEET, AND BASE SHEET MEMBRANE SHALL EXTEND FROM UNDER CLAMPING RING OF EXISTING DRAIN.

DETAIL No. 3 ROOF DRAIN

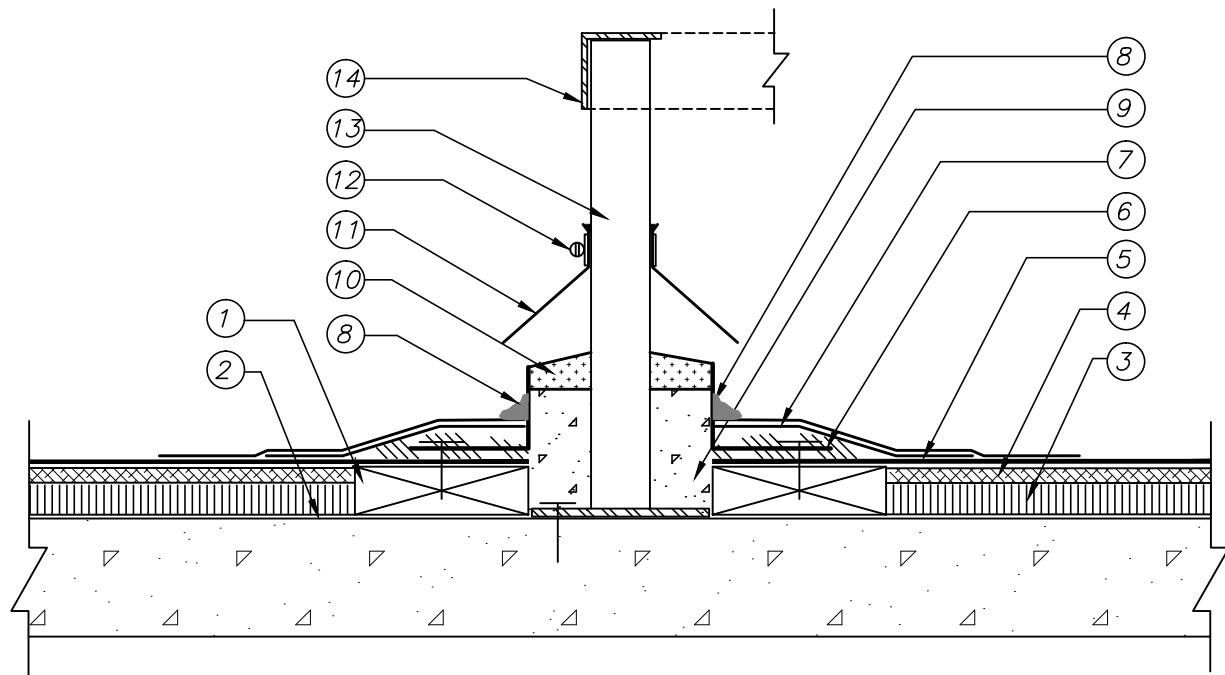


LEGEND:

- ① TOP OF FLASHING CAPPED OR ROLLED INTO PIPE APPROXIMATELY 1".
- ② PLUMBING VENT STACK.
- ③ SPECIFIED SOFT METAL PIPE FLASHING.
- ④ SPECIFIED MASTIC OR SEALANT.
- ⑤ SET FLANGE IN MASTIC PRIME FLANGE BEFORE STRIPPING.
- ⑥ SPECIFIED STRIPPING PLIES.
- ⑦ SPECIFIED ROOF MEMBRANE.
- ⑧ COVERBOARD INSULATION.
- ⑨ THERMAL INSULATION.
- ⑩ ROOF DECK.
- ⑪ METAL BITUMEN DAM.

DETAIL No. 4 VENT STACK

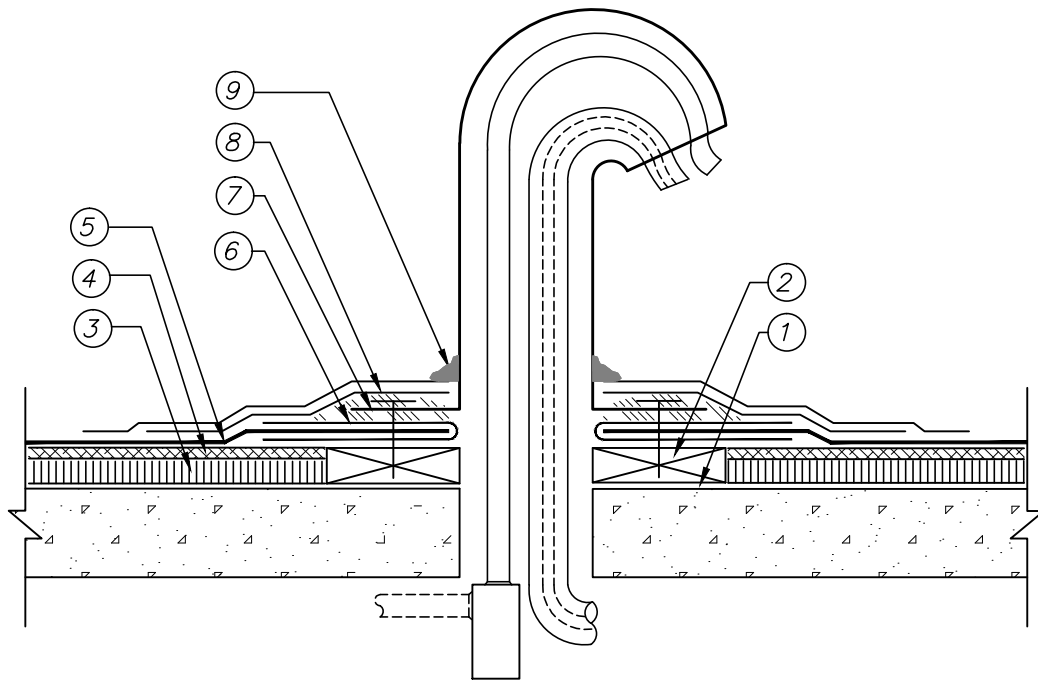
N.T.S.



LEGEND:

- ① 2" X 6" PRESSURE TREATED WOOD NAILER.
- ② INSULATION ADHESIVE.
- ③ BASE LAYER INSULATION.
- ④ 1/4" THICK COVER BOARD.
- ⑤ SPECIFIED ROOF MEMBRANE.
- ⑥ ALUMINUM PITCH PAN SET IN MASTIC AND NAILED 3" O.C. PRIME METAL FLANGE AND STRIP-IN.
- ⑦ SPECIFIED STRIPPING PLIES.
- ⑧ SPECIFIED MASTIC OR SEALANT.
- ⑨ NON-SHRINK GROUT.
- ⑩ MASTIC SLOPED TO DRAIN
- ⑪ WATERTIGHT ALUMINUM UMBRELLA WITH SEALING TAPE. CAULK TOP WITH ELASTOMERIC SEALANT.
- ⑫ STAINLESS STEEL CLAMP.
- ⑬ TWO INCH DIAMETER, 24 INCH LONG, ALUMINUM PIPE WELDED TO 6" X 6" X 1/4" ALUMINUM PLATE. SECURE PLATE TO DECK WITH S.S. WEDGE ANCHOR.
- ⑭ 2-1/2" X 2-1/2" X 1/8" ALUMINUM STRUCTURAL ANGLE.

DETAIL No. 5 **A/C UNIT SUPPORT**

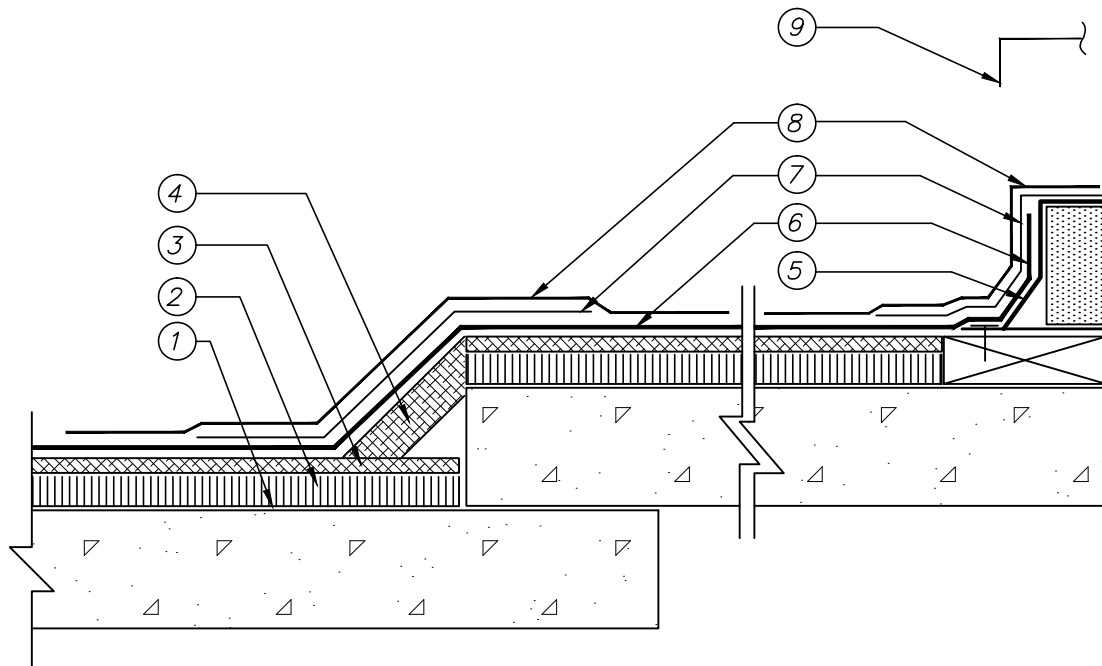


LEGEND:

- ① INSULATION ADHESIVE.
- ② 2" X 6" PRESSURE TREATED WOOD NAILER.
- ③ BASE LAYER INSULATION.
- ④ 1/4" THICK COVER BOARD.
- ⑤ SPECIFIED ROOF MEMBRANE.
- ⑥ ENVELOP FELTS.
- ⑦ ALUMINUM SLEEVE SET IN MASTIC AND NAILED 3 INCHES O.C. PRIME METAL FLANGE AND STRIP-IN.
- ⑧ SPECIFIED STRIPPING PLIES.
- ⑨ SPECIFIED MASTIC OR SEALANT.

DETAIL No. 6 ***GOOSE NECK FLASHING***

N.T.S.

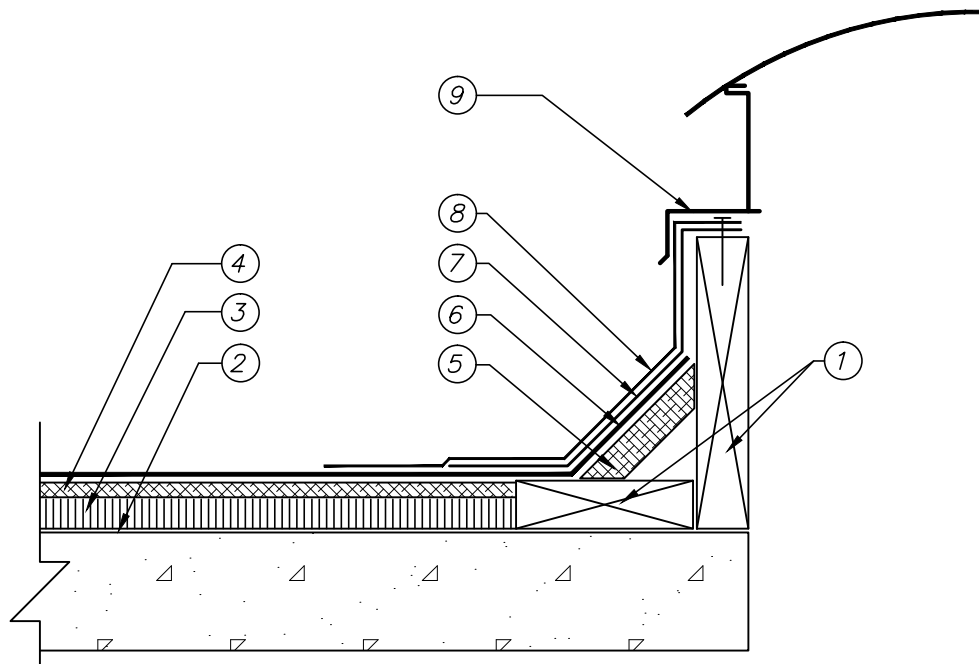


LEGEND:

- ① INSULATION ADHESIVE.
- ② BASE LAYER INSULATION.
- ③ 1/4" THICK COVER BOARD.
- ④ 4" FIBROUS WOOD CANT.
- ⑤ EXISTING PRE-FAB. METAL CURB. PRIME METAL FLANGE AND STRIP-IN WITH REINFORCING MESH.
- ⑥ SPECIFIED ROOF MEMBRANE. EXTEND TO TOP OF CURB.
- ⑦ FLASHING MEMBRANE. EXTEND MEMBRANE FROM TOP OF CURB TO NOT LESS THAN FOUR INCHES FROM THE BASE OF THE CANT/FLANGE.
- ⑧ FLASHING MEMBRANE. EXTEND MEMBRANE FROM TOP OF CURB TO FOUR INCHES BEYOND THE FLASHING MEMBRANE. SECURELY FASTEN MEMBRANE AT TOP OF CURB BY ENGINEER APPROVED METHOD. SEAL TOP EDGES OF FLASHING WITH MASTIC.
- ⑨ EXISTING MOUNTED APPARATUS.

DETAIL No. 7 EXISTING PRE-FAB CURB AND RAISED SLAB.

N.T.S.



LEGEND:

- ① REMOVE EXISTING PRE-FAB CURB AND REPLACE WITH TWO 2" X PRESSURE TREATED WOOD NAILERS.
- ② INSULATION ADHESIVE.
- ③ BASE LAYER INSULATION.
- ④ 1/4" THICK COVER BOARD.
- ⑤ 4" FIBROUS WOOD CANT.
- ⑥ SPECIFIED ROOF MEMBRANE TERMINATING AT TOP OF CANT, SEAL TOP EDGE OF CANT AND MEMBRANE WITH MASTIC.
- ⑦ FLASHING MEMBRANE. EXTEND MEMBRANE FROM TOP OF CURB TO NOT LESS THAN FOUR INCHES BEYOND THE BASE OF THE CANT ONTO ROOF.
- ⑧ FLASHING MEMBRANE. EXTEND MEMBRANE FROM TOP OF CURB TO FOUR INCHES BEYOND THE FLASHING MEMBRANE. SECURELY FASTEN MEMBRANE AT TOP OF CURB BY ENGINEER APPROVED METHOD.
- ⑨ DOME AIR VENT. ADJUST ELECTRICAL AS REQUIRED TO ACCOMMODATE NEW CURB HEIGHT.

DETAIL No. 8 **FAN VENT ON DECK** **(USE ONLY WHEN RAISING CURB IS REQUIRED)**

N.T.S.