

City of San Diego

CONTRACTOR'S NAME: _____
ADDRESS: _____
TELEPHONE NO.: _____ FAX NO.: _____
CITY CONTACT: Clementina Giordano - Contract Specialist, Email: CGiordano@sandiego.gov.
Phone No. (619) 533-3481, Fax No. (619) 533-3450

JGrani/KA/RIR

CONTRACT DOCUMENTS

FOR



BALBOA PARK MUNICIPAL GYMNASIUM ROOF REPLACEMENT

VOLUME 1 OF 2

BID NO.: _____ K-13-5490-DBB-3
SAP NO. (WBS/IO/CC): _____ B-00972
CLIENT DEPARTMENT: _____ 1714
COUNCIL DISTRICT: _____ 2
PROJECT TYPE: _____ BF

THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

- PHASED-FUNDING
- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM.

BID DUE DATE:

2:00PM

FEBRUARY 6, 2013

CITY OF SAN DIEGO

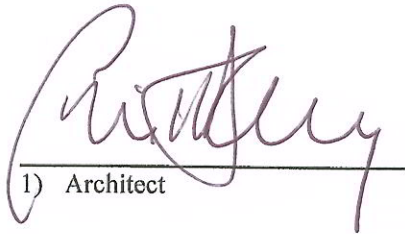
PUBLIC WORKS DEPARTMENT

1010 SECOND AVENUE, SUITE 1400, MS 614C

SAN DIEGO, CA 92101

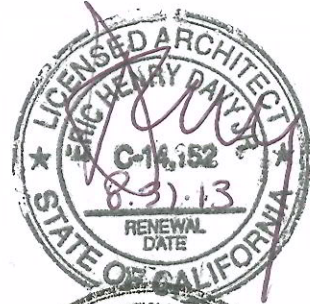
ENGINEER OF WORK

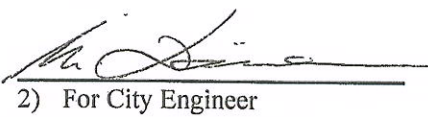
The engineering Specifications and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer and Architect:


1) Architect

12.20.12
Date

Seal:




2) For City Engineer

12/20/12
Date

Seal:

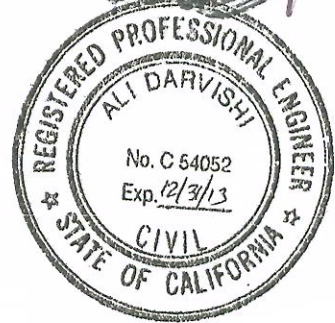


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CITY OF SAN DIEGO, CALIFORNIA

NOTICE INVITING BIDS

1. **RECEIPT AND OPENING OF BIDS:** Bids will be received at the Public Works Contracting Group at the location, time, and date shown on the cover of these specifications for performing work on **Balboa Park Municipal Gymnasium Roof Replacement Project**.
2. **DESCRIPTION OF WORK:** The Work involves furnishing all labor, materials, equipment, services, and other incidental works and appurtenances for the construction of the Project as described below:

Replacement of approximately 27,000 SF of roofing and replacement of parapet/curtain wall and accessible path of travel to the building

2.1. The Work shall be performed in accordance with:

2.1.1. This Notice Inviting Bids and Plans numbered **36528-01-D** through **36528-10-D**, inclusive.

3. **EQUAL OPPORTUNITY:**

3.1. To The WHITEBOOK, Chapter 10, Sections D and E, DELETE in their entirety and SUBSTITUTE with the following:

D. CITY'S EQUAL OPPORTUNITY COMMITMENT.

1. Nondiscrimination in Contracting Ordinance.

1. The Contractor, Subcontractors and Suppliers shall comply with requirements of the City's Nondiscrimination in Contracting Ordinance, San Diego Municipal Code §§22.3501 through 22.3517.

The Contractor shall not discriminate on the basis of race, gender, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring, or treatment of subcontractors, vendors, or suppliers. The Contractor shall provide equal opportunity for subcontractors to participate in subcontracting opportunities. The Contractor understands and agrees that violation of this clause shall be considered a material breach of the contract and may result in contract termination, debarment, or other sanctions.

The Contractor shall include the foregoing clause in all contracts between the Contractor and Subcontractors and Suppliers.

2. Disclosure of Discrimination Complaints. As part of its Bid or Proposal, the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors, or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.
3. Upon the City's request, the Contractor agrees to provide to the City, within 60 days, a truthful and complete list of the names of all Subcontractors and Suppliers that the Contractor has used in the past 5 years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by the Contractor for each subcontract or supply contract.
4. The Contractor further agrees to fully cooperate in any investigation conducted by the City pursuant to the City's Nondiscrimination in Contracting Ordinance, Municipal Code §§22.3501 through 22.3517. The Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result in remedies being ordered against the Contractor up to and including contract termination, debarment and other sanctions for violation of the provisions of the Nondiscrimination in Contracting Ordinance. The Contractor further understands and agrees that the procedures, remedies and sanctions provided for in the Nondiscrimination in Contracting Ordinance apply only to violations of the Ordinance.

E. EQUAL EMPLOYMENT OPPORTUNITY OUTREACH PROGRAM.

1. The Contractor, Subcontractors and Suppliers shall comply with the City's Equal Employment Opportunity Outreach Program, San Diego Municipal Code §§22.2701 through 22.2707.

The Contractor shall not discriminate against any employee or applicant for employment on any basis prohibited by law. Contractor shall provide equal opportunity in all employment practices. Prime Contractor shall ensure their subcontractors comply with this program. Nothing in this section shall be interpreted to hold a prime contractor liable for any discriminatory practice of its subcontractors.

The Contractor shall include the foregoing clause in all contracts between the Contractor and Subcontractors and Suppliers.

2. If the Contract is competitively solicited, the selected Bidder shall submit a Work Force Report (Form BB05), within 10 Working Days after receipt by the Bidder of Contract forms to the City for approval as specified in the Notice of Intent to Award letter from the City.
3. If a Work Force Report is submitted, and the City determines there are under-representations when compared to County Labor Force

Availability data, the selected Bidder shall submit an Equal Employment Opportunity Plan.

4. If the selected Bidder submits an Equal Employment Opportunity Plan, it shall include the following assurances:
 1. The Contractor shall maintain a working environment free of discrimination, harassment, intimidation and coercion at all sites and in all facilities at which the Contractor's employees are assigned to work.
 2. The Contractor reviews its EEO Policy, at least annually, with all on-site supervisors involved in employment decisions.
 3. The Contractor disseminates and reviews its EEO Policy with all employees at least once a year, posts the policy statement and EEO posters on all company bulletin boards and job sites, and documents every dissemination, review and posting with a written record to identify the time, place, employees present, subject matter, and disposition of meetings.
 4. The Contractor reviews, at least annually, all supervisors' adherence to and performance under the EEO Policy and maintains written documentation of these reviews.
 5. The Contractor discusses its EEO Policy Statement with subcontractors with whom it anticipates doing business, includes the EEO Policy Statement in its subcontracts, and provides such documentation to the City upon request.
 6. The Contractor documents and maintains a record of all bid solicitations and outreach efforts to and from subcontractors, contractor associations and other business associations.
 7. The Contractor disseminates its EEO Policy externally through various media, including the media of people of color and women, in advertisements to recruit, maintains files documenting these efforts, and provides copies of these advertisements to the City upon request.
 8. The Contractor disseminates its EEO Policy to union and community organizations.
 9. The Contractor provides immediate written notification to the City when any union referral process has impeded the Contractor's efforts to maintain its EEO Policy.
 10. The Contractor maintains a current list of recruitment sources, including those outreaching to people of color and women, and provides written notification of employment opportunities to these recruitment sources with a record of the organizations' responses.

11. The Contractor maintains a current file of names, addresses and phone numbers of each walk-in applicant, including people of color and women, and referrals from unions, recruitment sources, or community organizations with a description of the employment action taken.
12. The Contractor encourages all present employees, including people of color and women employees, to recruit others.
13. The Contractor maintains all employment selection process information with records of all tests and other selection criteria.
14. The Contractor develops and maintains documentation for on-the-job training opportunities, participates in training programs, or both for all of its employees, including people of color and women, and establishes apprenticeship, trainee, and upgrade programs relevant to the Contractor's employment needs.
15. The Contractor conducts, at least annually, an inventory and evaluation of all employees for promotional opportunities and encourages all employees to seek and prepare appropriately for such opportunities.
16. The Contractor ensures the company's working environment and activities are non-segregated except for providing separate or single-user toilets and necessary changing facilities to assure privacy between the sexes.

4. SUBCONTRACTING PARTICIPATION PERCENTAGES:

4.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

1. SLBE participation	1.1%
2. ELBE participation	2.9%
3. Total mandatory participation	4.0%

4.2. The Bidders are strongly encouraged to attend the Pre-Submittal Meeting to better understand the Good Faith Effort requirements of this contract. See the City's document titled "SLBE Program, Instructions For Bidders Completing The Good Faith Effort Submittal" available at: <http://www.sandiego.gov/eoc/>

4.3. The Bid will be declared non-responsive if the Bidder fails the following mandatory conditions:

- 4.3.1. Bidder's inclusion of SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR.
- 4.3.2. Bidder's submission of Good Faith Effort documentation demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document within 3 Working Day of the Bid opening if the overall mandatory participation percentage is not met.

5. PRE-BID MEETING:

- 5.1. There will be a Pre-Bid Meeting to discuss the scope of the Project, bidding requirements, and Equal Opportunity Contracting Program requirements and reporting procedures in the Public Works Contracting Group, Conference Room at 1010 Second Avenue, Suite 1400, San Diego, CA 92101 at **10:00 A.M.**, on **January 17, 2013**.
- 5.2. All potential bidders are encouraged to attend.
- 5.3. To request a copy of the agenda on an alternative format, or to request a sign language or oral interpreter for this meeting, call the Public Works Contracting Group at (619) 533-3450 at least 5 Working Days prior to the Pre-Bid Meeting to ensure availability.

6. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

- 6.1. **Prior** to the Award of the Contract or each Task Order, you and your Subcontractors and Suppliers **must** register with Prism®, the City's web-based contract compliance portal at:

<https://pro.prismcompliance.com/default.aspx>.
- 6.2. The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.

7. CONSTRUCTION COST: The City's estimated construction cost for this contract is **\$1,000,000**.

8. LOCATION OF WORK: The location of the Work is as follows:

2111 Pan American Plaza, San Diego, CA 92101

CONTRACT TIME: The Contract Time for completion of the Work shall be **80 Working Days**.

9. CONTRACTOR'S LICENSE CLASSIFICATION: In accordance with the provisions of California Law, the Contractor shall possess valid appropriate license(s) at the time that the Bid is submitted. Failure to possess the specified license(s) shall render the Bid as **non-responsive** and shall act as a bar to award of the Contract to any Bidder not possessing required license(s) at the time of Bid.

9.1. The City has determined the following licensing classification(s) for this contract:

Option	Classification(s)
1	CLASS A or
2	CLASS B

10. PREQUALIFICATION OF CONTRACTORS:

10.1. Contractors submitting Bid or Proposal must be pre-qualified for the total amount proposed, inclusive of all alternate items or specified Task Order limits prior to the date of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified will be deemed **non-responsive** and ineligible for award or a Task Order authorization. Complete information and prequalification questionnaires are available at:

<http://www.sandiego.gov/engineering-cip/services/consultcontract/prequal.shtml>

11. INSURANCE REQUIREMENTS:

11.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City’s Notice of Intent to Award letter.

11.2. Refer to sections 7-3, “LIABILITY INSURANCE”, and 7-4, “WORKERS’ COMPENSATION INSURANCE” of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

11.3. The completed questionnaire, financial statement, and bond letter or a copy of the contractor’s SLBE-ELBE certification and bond letter, must be submitted no later than 2 weeks prior to the bid opening to the Public Works Department - Engineering & Capital Project, Prequalification Program, 1010 Second Avenue, Suite 1200, San Diego, CA 92101. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.

- 12. REFERENCE STANDARDS:** Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction (“The GREENBOOK”)	2012	PITS070112-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)*	2012	PITS070112-02
City of San Diego Standard Drawings*	2012	PITS070112-03
Caltrans Standard Specifications	2010	PITS070112-04
Caltrans Standard Plans	2010	PITS070112-05
California MUTCD	2012	PITS070112-06
City Standard Drawings - Updates Approved For Use (when specified)*	Varies	Varies
Standard Federal Equal Employment Opportunity Construction Contract Specifications and the Equal Opportunity Clause Dated 09-11-84	1984	769023

NOTE: Available online under Engineering Documents and References at: <http://www.sandiego.gov/engineering-cip>.

- 13. CITY'S RESPONSES AND ADDENDA:** The City at its option, may respond to any or all questions submitted in writing, via letter, or FAX in the form of an addendum. No oral comment shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addendum are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda on the form provided for this purpose in the Bid.
- 14. CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Invitations to Bid at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Invitations to Bid shall be the sole responsibility of each bidder. The Invitations to Bid creates or imposes no obligation upon the City to enter a contract.

- 15. CONTRACT PRICING FORMAT:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth in the Bid Proposal Form(s), Volume 2 unless specified otherwise, such as as-needed contracts e.g., JOC in the Contract Documents.
- 16. SUBMITTAL OF “OR EQUAL” ITEMS:** See Section 4-1.6, “Trade Names or Equals” in The WHITEBOOK and as amended in the SSP.
- 17. AWARD PROCESS:**
- 17.1.** The Award of this contract is contingent upon the Contractor’s compliance with all conditions precedent to Award.
- 17.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 17.3.** This contract will be deemed executed, and effective, only upon the signing of the Contract by the Mayor or designee of the City.
- 18. SUBCONTRACT LIMITATIONS:** The Bidder’s attention is directed to Standard Specifications for Public Works Construction, Section 2-3, “SUBCONTRACTS” in The WHITEBOOK and as amended in the SSP which requires the Contractor to self perform the amount therein stipulated. Failure to comply with these requirements may render the Bid **non-responsive** and ineligible for award.
- 19. AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City’s website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracting Group.
- 20. QUESTIONS:**
- 20.1.** The Director (or designee), of the Public Works Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. All questions related to this procurement action shall be addressed to the Public Works Contracting Group, Attention Contract Specialist, 1010 Second Avenue, Suite 1400, San Diego, California, 92101, and Telephone No. (619) 533-3450.
- 20.2.** Questions received less than 14 days prior to the date for opening of Bids may not be answered.
- 20.3.** Interpretations or clarifications considered necessary by the City in response to such questions will be issued by Addenda which will be uploaded to the City’s online bidding service.

- 20.4.** Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. It is the Bidder's responsibility to become informed of any Addenda that have been issued and to include all such information in its Bid.
- 21. ELIGIBLE BIDDERS:** No person, firm, or corporation shall be allowed to make, file, or be interested in **more** than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
- 22. SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, first floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms with the Notice Inviting Bids and Contract forms.
- 23. PROPOSAL FORMS:** Bid shall be made only upon the Bidding Documents i.e., Proposal form attached to and forming a part of the specifications. The signature of each person signing shall be in longhand.
- 23.1.** Bidder shall complete and submit all pages in the "Bidding Document" Section (see Volume 2) as their Bid per the schedule given under "Required Documents Schedule," (see Volume 1). Bidder is requested to retain for their reference other portions of the Contract Documents that are not required to be submitted with the Bid. The entire specifications for the bid package do not need to be submitted with the bid.
- 23.2.** The City may require any Bidder to furnish a statement of experience, financial responsibility, technical ability, equipment, and references.
- 23.3.** Bids and certain other forms and documents as specified in the Volume 2 of 2 of the Contract Documents shall be enclosed in a sealed envelope and shall bear the title of the work and name of the Bidder and the appropriate State Contractors License designation which the Bidder holds.
- 23.4.** Bids may be withdrawn by the Bidder prior to, but not after, the time fixed for opening of Bids.
- 24. BIDDERS' GUARANTEE OF GOOD FAITH (BID SECURITY):**
- 24.1.** With the exception of the contracts valued \$5,000 or less, JOC and Design-Build contracts, and contracts subject to the Small and Local Business Program of \$250,000 or less e.g., ELBE contracts, each Bidder shall accompany its Bid with either a cashier's check upon some responsible bank, or a check upon such bank properly certified or an approved corporate surety bond payable to the City of San Diego, for an amount of not less than 10% of the aggregate sum of the Bid, which check or bond, and the monies represented thereby shall be held by the City as a

guarantee that the Bidder, if awarded the contract, will in good faith enter into such contract and furnish the required final bonds.

- 24.2. The Bidder agrees that in case of Bidder's refusal or failure to execute this contract and give required final bonds, the money represented by a cashier's or certified check shall remain the property of the City, and if the Bidder shall fail to execute this contract, the Surety agrees that it will pay to the City damages which the City may suffer by reason of such failure, not exceeding the sum of 10% of the amount of the Bid.
- 24.3. A Bid received without the specified bid security will be rejected as being **non-responsive**.

25. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 25.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 25.2. For Design-Build contracts, the award may not be solely based on price. Refer to the RFP for the selection and award details.
- 25.3. Bidders shall complete the entire Bid schedule (also referred to as "schedule of prices" or Proposal form). Incomplete price schedules will be rejected as being non-responsive.
- 25.4. The City reserves the right to reject any or all Bids, and to waive any informality or technicality in Bids received and any requirements of these specifications as to bidding procedure.
- 25.5. Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City from the Bidder within 3 Working Days, excluding Saturdays, Sundays, and state holidays, after the opening of Bids, of written notice which includes proof of honest, credible, clerical error of material nature, free from fraud or fraudulent intent, and of evidence that reasonable care was observed in the preparation of the Bid.
- 25.6. A non-selected Bidder may protest award of the Contract to the selected Bidder by submitting a written "Notice of Intent to Protest" including supporting documentation which shall be received by Public Works Contracting Group no later than 10 days after the City's announcement of the selected Bidder or no later than 10 days from the date that the City issues notice of designation of a Bidder as non-responsible in accordance with San Diego Municipal Code Chapter 2, § 22.3029, "Protests of Contract Award."
- 25.7. The City of San Diego will not discriminate with regard to race, religious creed, color, national origin, ancestry, physical handicap, marital status, sex or age, in the award of contracts.
- 25.8. Each Bid package properly executed as required by these specifications shall constitute a firm offer, which may be accepted by the City within the time specified in the Proposal.

25.9. The City reserves the right to evaluate all Bids and determine the lowest Bidder (or winner for Design-Build contracts) on the basis of any proposed alternates, additive items or options, at its discretion that will be disclosed in the Volume 2 of 2 (or RFP for the Design-Build contracts).

26. BID RESULTS:

26.1. The Bid opening by the City shall constitute the public announcement of the Apparent Low Bidder (or Apparent Winner in case of Design-Build contracts). In the event that the Apparent Low Bidder (or Apparent Winner in case of Design-Build contracts) is subsequently deemed non-responsive or non-responsible, a public announcement will be posted in the City's web page: <http://www.sandiego.gov/bids-contracts/>, with the name of the newly designated Apparent Low Bidder (or Apparent Winner in case of Design-Build contracts).

26.2. To obtain Bid results, either attend Bid opening, review the results on the City's web site, or provide a self-addressed, stamped envelope, referencing Bid number, and Bid tabulation will be mailed to you upon verification of extensions. Bid results cannot be given over the telephone.

27. THE CONTRACT:

27.1. The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.

27.2. If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.

27.3. If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.

27.4. For contracts that are not Design-Build, pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.

- 27.5.** The award of the Contract is contingent upon the satisfactory completion of the above mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.
- 28. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, the JOC Unit Price Books if applicable, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid or JOC Task Order Proposal shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 29. CITY STANDARD PROVISIONS.** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 29.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 29.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 29.3.** The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 29.4.** The City of San Diego’s Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 29.5.** Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 29.6.** The City’s Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 29.7.** The City’s Information Security Policy (ISP) as defined in the City’s Administrative Regulation 90.63.
- 30. PRE-AWARD ACTIVITIES:**
- 30.1.** The selected contractor by the City to execute a contract for this Work shall provide the information required within the time specified in “Required Documents,” of this bid package. Failure to provide the information within the time specified may result in the Bid being rejected as **non-responsive**.
- 30.2.** If the Bid is rejected as non-responsive, the selected contractor by the City to execute a contract for this Work shall forfeit the required Bid. The decision that the selected

contractor by the City to execute a contract for this Work is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

31. PHASED FUNDING:

- 31.1.** For phased funded contracts, the City typically secures enough funds for the first 90 days of the contract prior to award. Within 10 Working Days after Bid opening date the Apparent Low Bidder must contact the Project Manager to discuss fund availability and the duration of the first phase and submit the Pre-Award Schedule to the City for approval and preparation of the first Phased Funding Schedule Agreement.
- 31.2.** The Apparent Low Bidder will be required to provide a Pre-award Schedule in accordance with 6-1, “CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK” and 9-3, “PAYMENT” prior to award of Contract.
- 31.3.** If the Bid submitted by the Apparent Low Bidder is rejected by the City for any reason, then within 5 Working Days after receiving notice, the next Apparent Low Bidder must provide the Pre-Award Schedule. This process will continue until the City has selected the Apparent Low Bidder or have decided to reject all Bids.
- 31.4.** The first Phased Funding Schedule Agreement must show the fund availability for the first phase. Within 22 Working Days from the date of the Bid Opening or notice to the next Apparent Low Bidder (whichever occurs last) and once a Pre-Award Schedule is accepted by the City, the City will present the first Phased Funding Schedule Agreement to you when you are selected as the Apparent Low Bidder as defined in the City’s Municipal Code, §22.3003.
- 31.5.** At the City’s request, you must meet with the City’s project manager before execution of the first Phased Funding Schedule Agreement to discuss his or her comments and requests for revision to the Pre-Award Schedule.
- 31.6.** Your failure to perform the following may result in the Bid being rejected as **non-responsive:**
 - 1. meet with the City’s project manager, if requested to do so, to discuss and respond to the City’s comments regarding the Pre-Award Schedule,
 - 2. revise the Pre-Award Schedule as requested by the City within the specified 22 Working Days timeframe, or
 - 3. execute the first Phased Funding Schedule Agreement within a day after receipt.

32. REQUIRED DOCUMENT SCHEDULE:

- 32.1.** The Bidder’s attention is directed to the City’s Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.

32.2. The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City’s web site at:

<http://www.sandiego.gov/eoc/forms/index.shtml>

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
1.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid
2.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid Bond
3.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Non-collusion Affidavit to be Executed By Bidder and Submitted with Bid under 23 USC 112 and PCC 7106
4.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Contractors Certification of Pending Actions
5.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Equal Benefits Ordinance Certification of Compliance
6.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA35 - List of Subcontractors
7.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA40 - Named Equipment/Material Supplier List
8.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	SLBE Good Faith Efforts Documentation
9.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Form AA60 – List of Work Made Available
10.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Proof of Valid DBE-MBE-WBE-DVBE Certification Status e.g., Certs.
11.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Phased Funding Schedule Agreement
12.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Pre-Award Schedule
13.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Names of the principal individual owners of the Apparent Low Bidder
14.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
15.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Form BB05 - Work Force Report
16.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms – Agreement
17.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Payment and Performance Bond
18.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Certificates of Insurance and Endorsements
19.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - Drug-Free Workplace
20.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - American with Disabilities Act

CONTRACT FORMS
AGREEMENT

CONTRACT FORMS AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Kinsman Construction, Inc., herein called "Contractor" for construction of Balboa Park Municipal Gymnasium Roof Replacement; Bid No. K-13-5490-DBB-3; in the amount of Nine Hundred Thirty-Eight Thousand Dollars and 00/100 (\$938,000.00), which is comprised of the Base Bid.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Notice Inviting Bids and the Supplementary Special Provisions (SSP).
 - (d) Phase Funding Schedule Agreement and Supplemental Agreements.
 - (e) That certain documents entitled Balboa Park Municipal Gymnasium Roof Replacement, on file in the office of the Public Works Department as Document No. B-00972, as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner Balboa Park Municipal Gymnasium Roof Replacement, Bid Number K-13-5490-DBB-3, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

CONTRACT FORMS (continued)

AGREEMENT

IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM AND LEGALITY

Jan I. Goldsmith, City Attorney

By: Tony Heinrichs
Tony Heinrichs
Director, Department of Public Works st

By: [Signature]
Print Name: Thomas Zelensky
Deputy City Attorney

Date: 6/24/13

Date: 6/26/13

CONTRACTOR

By: [Signature]

Print Name: Michael Stephenson

Title: Vice President

Date: 3/15/2013

City of San Diego License No.: 132012015922

State Contractor's License No.: 955119

CONTRACT ATTACHMENT
PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Kinsman Construction, Inc., a corporation, as principal, and
International Fidelity Insurance Company, a corporation authorized to do
 business in the State of California, as Surety, hereby obligate themselves, their successors and
 assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of
Nine Hundred Thirty-Eight Thousand Dollars and 00/100 (\$938,000.00) for the faithful
 performance of the annexed contract, and in the sum of Nine Hundred Thirty-Eight Thousand
Dollars and 00/100(\$938,000.00) for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract Balboa Park Municipal Gymnasium Roof Replacement, Bid Number K-13-5490-DBB-3, San Diego, California then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Chapter 3 of Division 5 of Title I of the Government Code of the State of California or under the provisions of Section 3082 et seq. of the Civil Code of the State of California.

Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California)

County of San Diego)

On 14 March 2013 before me, Audrey Rodriguez, Notary Public
(here insert name and title of the officer)

personally appeared Brooke Lafrenz

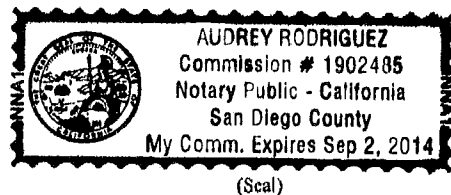
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature of Notary Public



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date _____

(Additional information)

CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
 Corporate Officer

(Title)

- Partner(s)
 Attorney-in-Fact
 Trustee(s)
 Other _____

Signer is Representing: Surety Company

POWER OF ATTORNEY

INTERNATIONAL FIDELITY INSURANCE COMPANY ALLEGHENY CASUALTY COMPANY

ONE NEWARK CENTER, 20TH FLOOR NEWARK, NEW JERSEY 07102-5207

KNOW ALL MEN BY THESE PRESENTS: That INTERNATIONAL FIDELITY INSURANCE COMPANY, a corporation organized and existing under the laws of the State of New Jersey, and ALLEGHENY CASUALTY COMPANY a corporation organized and existing under the laws of the State of Pennsylvania, having their principal office in the City of Newark, New Jersey, do hereby constitute and appoint

BROOKE LAFRENZ, MICHAEL W. THOMAS, LARRY D. COGDILL, GLADYS ROGERS, AUDREY RODRIGUEZ

Woodland Hills, CA.

their true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by their regularly elected officers at their principal offices.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of the By-Laws of INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY and is granted under and by authority of the following resolution adopted by the Board of Directors of INTERNATIONAL FIDELITY INSURANCE COMPANY at a meeting duly held on the 20th day of July, 2010 and by the Board of Directors of ALLEGHENY CASUALTY COMPANY at a meeting duly held on the 15th day of August, 2000:

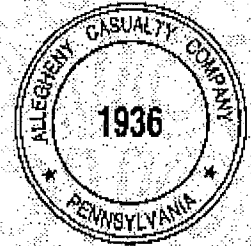
"RESOLVED, that (1) the President, Vice President, or Secretary of the Corporation shall have the power to appoint, and to revoke the appointments of, Attorneys-in-Fact or agents with power and authority as defined or limited in their respective powers of attorney, and to execute on behalf of the Corporation and affix the Corporation's seal thereto, bonds, undertakings, recognizances, contracts of indemnity and other written obligations in the nature thereof or related thereto; and (2) any such Officers of the Corporation may appoint and revoke the appointments of joint-control custodians, agents for acceptance of process, and Attorneys-in-fact with authority to execute waivers and consents on behalf of the Corporation; and (3) the signature of any such Officer of the Corporation and the Corporation's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seals when so used whether heretofore or hereafter, being hereby adopted by the Corporation as the original signature of such officer and the original seal of the Corporation, to be valid and binding upon the Corporation with the same force and effect as though manually affixed."

IN WITNESS WHEREOF, INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY have each executed and attested these presents on this 12th day of March, 2012.



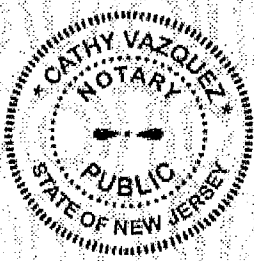
STATE OF NEW JERSEY
County of Essex

ROBERT W. MINSTER
Executive Vice President/Chief Operating Officer
(International Fidelity Insurance Company)
and President (Allegheny Casualty Company)



On this 12th day of March 2012, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said he is the therein described and authorized officer of INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY, that the seals affixed to said instrument are the Corporate Seals of said Companies; that the said Corporate Seals and his signature were duly affixed by order of the Boards of Directors of said Companies.

IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.



A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Mar. 27, 2014

CERTIFICATION

I, the undersigned officer of INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Sections of the By-Laws of said Companies as set forth in said Power of Attorney, with the originals on file in the home office of said companies, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14TH day of MARCH, 2013

MARIA BRANCO, Assistant Secretary

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

PROJECT TITLE: Balboa Park Municipal Gymnasium Roof Replacement

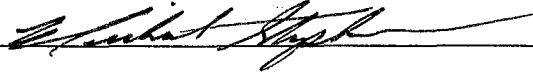
I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

Kinsman Construction Inc

(Name under which business is conducted)

has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

Signed



Printed Name

Michael Stephenson

Title

Vice President

CONTRACTOR CERTIFICATION

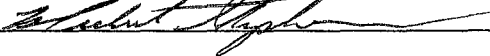
AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

PROJECT TITLE: Balboa Park Municipal Gymnasium Roof Replacement

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that;

Kingsman Construction Inc.
(Name under which business is conducted)

has in place workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

Signed 

Printed Name Michael Stephenson

Title Vice President

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

PROJECT TITLE: Balboa Park Municipal Gymnasium Roof Replacement

I declare under penalty of perjury that I am authorized to make this certification on behalf of Kinsman Construction Inc. as Contractor, that I am familiar with the requirements of City of San Diego Municipal Code § 22.3224 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3224.

Dated this 15th Day of March, 2013.

Signed 

Printed Name Michael Stephenson

Title Vice President

AFFIDAVIT OF DISPOSAL

WHEREAS, on the _____ DAY OF _____, _____, the undersigned entered into and executed a contract with the City of San Diego, a municipal corporation, for:

Balboa Park Municipal Gymnasium Roof Replacement

(Name of Project)

as particularly described in said contract and identified as Bid No. **K-13-5490-DBB-3**, SAP No. (WBS/IO/CC) **B-00972**; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

NOW, THEREFORE, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

Contractor
by

ATTEST:

State of _____
County of _____

On this _____ DAY OF _____, 2____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

PHASED FUNDING SCHEDULE AGREEMENT

Check one:

- First Phased Funding Schedule Agreement
- Final Phased Funding Schedule Agreement

NOTE: THIS IS A SAMPLE PHASE FUNDING SCHEDULE AGREEMENT FORM. Particulars left blank in this sample, the total number of phases, and the amounts assigned to each phase will be filled with funding specific information as the result of the Pre-Award Schedule, and subsequent Schedules, required by these Bid Documents and approved by the City.

BID NUMBER: _____

CONTRACT OR TASK TITLE: _____

CONTRACTOR: _____

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Demolition of built-up roofing system and installation of new built-up roofing system on barrel portion of roof, including flashing gutters and down spouts and all appurtenances			\$450,000
2	Demolition curtain wall, and built up roofing system and installation of new curtain wall and built-up roofing system, compliant ADA path of travel, and all appurtenances			\$550,000
Total				\$

Notes:

- (1) City Supplements 9-3.6, "PHASE FUNDING COMPENSATION" applies.
- (2) The total of all funding phases shall be equal to the TOTAL BID PRICE as shown on BID SCHEDULE 1 - PRICES.
- (3) This PHASE FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by a written modification to the CONTRACT.

CITY OF SAN DIEGO

CONTRACTOR

By: _____

By: _____

Name: _____
Project Manager

Name: _____

Department Name: _____

Title: _____

Date: _____

Date: _____

-END OF PHASE FUNDING SCHEDULE AGREEMENT-

SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS

The following Supplementary Special Provisions (SSP) modifies the following documents:

- 1) Standard Specifications for Public Works Construction (The GREENBOOK) currently in effect.
- 2) The City of San Diego Standard Specifications for Public Works Construction (The WHITEBOOK).

SECTION 1 – TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE AND SYMBOLS

1-2 TERMS AND DEFINITIONS.

Normal Working Hours. To the City Supplements, ADD the following:

The Normal Working Hours are 7:00 AM to 3:30 PM.

SECTION 2 – SCOPE AND CONTROL OF WORK

2-3.2 Self Performance. DELETE in its entirety and SUBSTITUTE with the following:

1. You must perform, with your own organization, Contract work amounting to at least 50% of the base bid alone or base bid and any additive or deductive alternate(s) that together when added or deducted form the basis of award.
2. The self performance percentage requirement will be waived for contracts when a “B” License is required or allowed.

SECTION 4 – CONTROL OF MATERIALS

4-1.3.4 Inspection Paid For By the Contractor. To the City Supplements, ADD the following:

Welding

4-1.6 Trade Names or Equals. ADD the following:

You must submit your list of proposed substitutions for “an equal” (“or equal”) item(s) **no later than 5 Working Days after the determination of the Apparent Low Bidder** and on a City form when provided by the City.

SECTION 7 – RESPONSIBILITIES OF THE CONTRACTOR

7-3 LIABILITY INSURANCE. DELETE in its entirety and SUBSTITUTE with the following:

The insurance provisions herein must not be construed to limit your indemnity obligations contained in the Contract.

7-3.1 Policies and Procedures.

1. You must procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.

3. You must maintain this insurance for the duration of this contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this contract.
4. Payment for insurance is included in the various items of Work as bid by you, and except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any work under this contract until you have provided and the City has approved all required insurance.
5. Policies of insurance must provide that the City is entitled to 30 days (10 days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

7-3.2 Types of Insurance.

7-3.2.1 Commercial General Liability Insurance.

1. Commercial General Liability Insurance must be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
2. The policy must cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured’s contract (including the tort liability of another assumed in a business contract).
3. There must be no endorsement or modification limiting the scope of coverage for either “insured vs. insured” claims or contractual liability. You must maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense must be outside the policy limits. Policy coverage must be in liability limits of not less than the following:

<u>General Annual Aggregate Limit</u>	<u>Limits of Liability</u>
Other than Products/Completed Operations	\$2,000,000
Products/Completed Operations Aggregate Limit	\$2,000,000
Personal Injury Limit	\$1,000,000
Each Occurrence	\$1,000,000

7-3.2.2 Commercial Automobile Liability Insurance.

1. You must provide a policy or policies of Commercial Automobile Liability Insurance written on the current version of the ISO form CA 00 01 12 90 or later version or equivalent form providing coverage at least as broad in the amount of \$1,000,000 combined single limit per accident, covering bodily injury and property damage for owned, non-owned, and hired automobiles (“Any Auto”).
2. All costs of defense must be outside the limits of the policy.

7-3.2.3

Contractors Pollution Liability Insurance.

1. You must procure and maintain at your expense or require Subcontractor, as described below to procure and maintain, the Contractors Pollution Liability Insurance including contractual liability coverage to cover liability arising out of cleanup, removal, storage, or handling of hazardous or toxic chemicals, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit for bodily injury and property damage.
2. All costs of defense must be outside the limits of the policy. Any such insurance provided by Subcontractor instead of you must be approved separately in writing by the City.
3. For approval of a substitution of Subcontractor's insurance, you must certify that all activities for which the Contractors Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible must not exceed \$25,000 per claim.
4. Contractual liability must include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There must be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability.
5. Occurrence based policies must be procured before the Work commences and must be maintained for the Contract Time. Claims Made policies must be procured before the Work commences, must be maintained for the Contract Time, and must include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies must continue to be maintained for 12 months after the completion of the Work without advancing the retroactive date.
6. Except as provided for under California law, the policy or policies must provide that the City is entitled to 30 days prior written notice (10 days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

7-3.2.4

Contractors Hazardous Transporters Pollution Liability Insurance.

1. You must provide at your expense or require Subcontractor to provide, as described below Contractors Hazardous Transporters Pollution Liability Insurance including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit per occurrence/aggregate for bodily injury and property damage.
2. All costs of defense must be outside the limits of the policy. The deductible must not exceed \$25,000 per claim. Any such insurance provided by a subcontractor instead of you must be approved separately in writing by the City.
3. For approval of the substitution of Subcontractor's insurance the Contractor shall certify that all activities for which Contractors Hazardous Transporters Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance.

4. Contractual liability must include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There must be no endorsement or modification of the coverage limiting the scope of coverage for either “insured vs. insured” claims or contractual liability. Occurrence based policies must be procured before the Work commences and must be maintained for the duration of this contract. Claims Made policies must be procured before the Work commences, must be maintained for the duration of this contract, and must include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies must continue to be maintained for 12 months after the completion of the Work under this contract without advancing the retroactive date.
5. Except as provided for under California law, the policy or policies must provide that the City is entitled to 30 days prior written notice (10 days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

7-3.2.5 Contractors Builders Risk Property Insurance..

1. You must provide at its expense, and maintain until Final Acceptance of the Work, a Special Form Builders Risk Policy or Policies. This insurance must be in an amount equal to the replacement cost of the completed Work (without deduction for depreciation) including the cost of excavations, grading, and filling. The policy or policies limits must be 100% of this contract value of the Work plus 15% to cover administrative costs, design costs, and the costs of inspections and construction management.
2. Insured property must include material or portions of the Work located away from the Site but intended for use at the Site, and must cover material or portions of the Work in transit. The policy or policies must include as insured property scaffolding, falsework, and temporary buildings located at the Site. The policy or policies must cover the cost of removing debris, including demolition.
3. The policy or policies must provide that all proceeds thereunder must be payable to the City as Trustee for the insured, and must name the City, the Contractor, Subcontractors, and Suppliers of all tiers as named insured. We as Trustee will collect, adjust, and receive all monies which may become due and payable under the policy or policies, may compromise any and all claims thereunder, and will apply the proceeds of such insurance to the repair, reconstruction, or replacement of the Work.
4. Any deductible applicable to the insurance must be identified in the policy or policies documents and responsibility for paying the part of any loss not covered because of the application of such deductibles must be apportioned among the parties except for the City as follows: if there is more than one claimant for a single occurrence, then each claimant must pay a pro-rata share of the per occurrence deductible based upon the percentage of their paid claim to the total paid for insured. The City must be entitled to 100% of its loss. The Contractor must pay the City any portion of that loss not covered because of a deductible, at the same time the proceeds of the insurance are paid to the City as trustee.

5. Any insured, other than the City, making claim to which a deductible applies must be responsible for 100% of the loss not insured because of the deductible. Except as provided for under California law, the policy or policies must provide that the City is entitled to 30 days prior written notice (10 days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

7-3.3 Rating Requirements. Except for the State Compensation Insurance Fund, all insurance required by this contract as described herein must be carried only by responsible insurance companies with a rating of, or equivalent to, at least “A-, VI” by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

7-3.3.1 Non-Admitted Carriers. The City will accept insurance provided by non-admitted, “surplus lines” carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

All policies of insurance carried by non-admitted carriers must be subject to all of the requirements for policies of insurance provided by admitted carriers described herein.

7-3.4 Evidence of Insurance. Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal documentation prior to expiration of this insurance. Each required document must be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

7-3.5 Policy Endorsements.

7-3.5.1 Commercial General Liability Insurance

7-3.5.1.1 Additional Insured.

- a) You must provide at your expense policy endorsement written on the current version of the ISO Occurrence form CG 20 10 11 85 or an equivalent form providing coverage at least as broad.
- b) To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
- c) The additional insured coverage for projects for which the Engineer’s Estimate is \$1,000,000 or more must include liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) your products, (c) your work, e.g., your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled, or used by you.
- d) The additional insured coverage for projects for which the Engineer’s Estimate is less than \$1,000,000 must include liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) your products, or (c) premises owned, leased, controlled, or used by you.

7-3.5.1.2 Primary and Non-Contributory Coverage. The policy must be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it must provide that any insurance maintained by the City

and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.

7-3.5.1.3 Project General Aggregate Limit.

The policy or policies must be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work must reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit must be in addition to the aggregate limit provided for the products-completed operations hazard.

7-3.5.2 Commercial Automobile Liability Insurance.

7-3.5.2.1 Additional Insured. Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

7-3.5.3 Contractors Pollution Liability Insurance Endorsements.

7-3.5.3.1 Additional Insured.

- a) The policy or policies must be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) your products, (c) your work, e.g., your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled, or used by you; except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of § 2782 of the California Civil Code apply, this endorsement must not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.
- b) In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that is not covered because of California Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives must be limited to obligations permitted by California Insurance Code §11580.04.

7-3.5.3.2 Primary and Non-Contributory Coverage. The policy or policies must be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.

- 7-3.5.3.3 Severability of Interest.** For Contractors Pollution Liability Insurance, the policy or policies must provide that your insurance must apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and must provide cross-liability coverage.
- 7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.**
- 7-3.5.4.1 Additional Insured.**
- a) The policy or policies must be endorsed to include as an Insured the City and its respective elected officials, officers, employees, agents, and representatives, with respect to liability arising out of: (a) Ongoing operations performed by you or on your behalf, (b) your products, (c) your work, e.g., your completed operations performed by you or on your behalf, or (d) premises owned, leased, controlled, or used by you; except that in connection with, collateral to, or affecting any construction contract to which the provisions of subdivision (b) of §2782 of the California Civil Code apply, this endorsement must not provide any duty of indemnity coverage for the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives in any case where an agreement to indemnify the City and its respective elected officials, officers, employees, agents, and representatives would be invalid under subdivision (b) of §2782 of the California Civil Code.
 - b) In any case where a claim or loss encompasses the negligence of the Insured and the active negligence of the City and its respective elected officials, officers, employees, agents, and representatives that is not covered because of California Insurance Code §11580.04, the insurer's obligation to the City and its respective elected officials, officers, employees, agents, and representatives must be limited to obligations permitted by California Insurance Code §11580.04.
- 7-3.5.4.2 Primary and Non-Contributory Coverage.** The policy or policies must be endorsed to provide that the insurance afforded by the Contractors Pollution Liability Insurance policy or policies is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives with respect to operations including the completed operations of the Named Insured. Any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.
- 7-3.5.4.3 Severability of Interest.** For Contractors Hazardous Transporters Pollution Liability Insurance, the policy or policies must provide that your insurance must apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability and must provide cross-liability coverage.
- 7-3.5.5 Builders Risk Endorsements.**
- 7-3.5.5.1 Waiver of Subrogation.** The policy or policies must be endorsed to provide that the insurer will waive all rights of subrogation against the City, and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from work performed by the Named Insured for the City.
- 7-3.5.5.2 Builders Risk – Partial Utilization.** If the City desire to occupy or use a portion or portions of the Work prior to Acceptance in accordance with this contract, the City

will notify you and you must immediately notify your Builder's Risk insurer and obtain an endorsement that the policy or policies must not be cancelled or lapse on account of any such partial use or occupancy. You must obtain the endorsement prior to our occupation and use.

7-3.6 Deductibles and Self-Insured Retentions. You must pay for all deductibles and self-insured retentions. You must disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.

7-3.7 Reservation of Rights. The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this contract.

7-3.8 Notice of Changes to Insurance. You must notify the City 30 days prior to any material change to the policies of insurance provided under this contract.

7-3.9 Excess Insurance. Policies providing excess coverage must follow the form of the primary policy or policies e.g., all endorsements.

7-4 WORKERS' COMPENSATION INSURANCE. DELETE in its entirety and SUBSTITUTE with the following:

7-4.1 Workers' Compensation Insurance and Employers Liability Insurance.

1. In accordance with the provisions of §3700 of the California Labor Code, you must provide at your expense Workers' Compensation Insurance and Employers Liability Insurance to protect you against all claims under applicable state workers compensation laws. The City, its elected officials, and employees will not be responsible for any claims in law or equity occasioned by your failure to comply with the requirements of this section.

2. Limits for this insurance must be not less than the following:

<u>Workers' Compensation</u>	<u>Statutory Employers Liability</u>
Bodily Injury by Accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 each employee
Bodily Injury by Disease	\$1,000,000 policy limit

3. By signing and returning the Contract you certify that you are aware of the provisions of §3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code and you must comply with such provisions before commencing the Work as required by §1861 of the California Labor Code.

7-4.1.1 Waiver of Subrogation.

The policy or policies must be endorsed to provide that the insurer will waive all rights of subrogation against the City, and its respective elected officials, officers, employees, agents, and representatives for losses paid under the terms of the policy or policies and which arise from work performed by the Named Insured for the City.

7-8.6 **Water Pollution Control.** ADD the following:

1. Based on a preliminary assessment by the City, the Contract is subject to WPCP.

7-15 **INDEMNIFICATION AND HOLD HARMLESS AGREEMENT.** To the City Supplements, fourth paragraph, last sentence, DELETE in its entirety and SUBSTITUTE with the following:

Your duty to indemnify and hold harmless does not include any claims or liability arising from the established active or sole negligence, or willful misconduct of the City, its officers, or employees.

SECTION 8 – FACILITIES FOR AGENCY PERSONNEL

8-2 **FIELD OFFICE FACILITIES.** To the City Supplements, DELETE in its entirety.

SECTION 707 – RESOURCES DISCOVERIES

ADD:

707-1.1 **Environmental Document.** The City of San Diego Environmental Analysis Section (EAS) of the Development Services Department has prepared [Notice of Exemption] for [**Balboa Park Municipal Gymnasium**], as referenced in the Contract Appendix. You must comply with all requirements of the [Notice of Exemption] as set forth in the Contract Appendix.

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS

APPENDICES

APPENDIX A

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

DIVISION 01 – GENERAL REQUIREMENTS

010100 SUMMARY OF WORK
013281 ASBESTOS ABATEMENT
013591 HISTORICAL TREATMENT PROCEDURES

DIVISION 02 – SITE CONDITIONS

020700 SELECTIVE DEMOLITION

DIVISION 03 – CONCRETE

NOT USED

DIVISION 04 – MASONRY

NOT USED

DIVISION 05 – METALS

05511 ALUMINUM LADDERS

DIVISION 06 – WOOD, PLASTIC AND COMPOSITES

061000 ROUGH CARPENTRY
061063 EXTERIOR ROUGH CARPENTRY

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

075520 HOT APPLIED BUR WITH COLD APPLIED MODIFIED SURFACE
MEMBRANE
076200 SHEET METAL FLASHING AND TRIM
077110 GUTTER AND DOWN SPOUTS

DIVISION 08 – OPENINGS

081113 HOLLOW METAL DOORS AND FRAMES
087100 DOOR HARDWARE
089000 LOUVERS AND VENTS

DIVISION 09 – FINISHES

092400 PORTLAND CEMENT PLASTERING
099000 PAINTING
099123 INTERIOR PAINTING

SECTION 010100
SUMMARY OF WORK

PART 1- GENERAL

1.01 DESCRIPTION

- A. Provide all labor, materials, transportation, equipment, appliances, and services necessary for, and incidental to, the execution and completion of all work indicated in the Contract Documents for the removal and replacement of the roof in the project entitled:

BALBOA PARK MUNICIPAL GYMNASIUM ROOF REPLACEMENT
Balboa Park San Diego, CA 92101

Totaling approximately= 27,000 square feet.

- B. In general, the scope of work includes, but shall not be limited to, the following sections of the specifications which are more fully described herein:

DIVISION 1 - GENERAL REQUIREMENTS

01010 Summary of Work

DIVISION 2 - SITE WORK

02070 Selective Demolition

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

07500 Built-Up Roofing

07600 Flashing and Sheet Metal

- C. Applicable portions of Section 01010 apply to all other sections of these specifications; therefore these applicable portions are not specifically referred to in those other sections.

PART 2 – PRODUCTS (Not used)

PART 3 - EXECUTION (Not used)

SECTION 013281

ASBESTOS ROOFING ABATEMENT

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

- A. ABATEMENT CONTRACTOR shall supply all labor, transportation, material, apparatus, and equipment for the removal, and disposal of all asbestos-containing roofing materials (ACM) as identified in Appendix A tables of this section.
- B. ABATEMENT CONTRACTOR shall be responsible for ensuring building will not be contaminated with asbestos and any roofing debris and shall be responsible for any clean-up determined necessary by City of San Diego's PROJECT MONITOR.
- C. Before submitting his/her bid, the ABATEMENT CONTRACTOR shall visit the project site and verify the location of the asbestos-containing roofing materials that will be removed under the terms and conditions of the contract and this specification.
- D. Abatement work shall be performed within agreed upon hours submitted prior to project start which will not include designated City holidays.
- E. Before the beginning of the work related to asbestos abatement, ABATEMENT CONTRACTOR shall hold a safety construction meeting with all asbestos related supervisors, workers, and other contractors on-site that provides an overview of the accepted asbestos work plan, decontamination procedures specific to this project (decontamination procedures shall be on paper with copies for all present), and disposal plan for this project. Meeting shall include the PROJECT MONITOR and any other designated City representative. Meeting time shall be provided for the PROJECT MONITOR to introduce them and identify their role in this project.

1.2 DEFINITIONS RELATIVE TO ASBESTOS ABATEMENT

- A. **Accredited or Accreditation (when referring to a person or laboratory):** A person or laboratory accredited in accordance with section 206 of Title II of the Toxic Substances Control Act (TSCA).
- B. **Air Monitoring:** The process of measuring the fiber content of a specific volume of air.
- C. **Amended Water:** Water to which a surfactant has been added to decrease the surface tension to 35 or less dynes.
- D. **Asbestos:** The asbestiform varieties of serpentinite (chrysotile), riebeckite (crocidolite), cummingtonite-grunerite, anthophyllite, and actinolite-tremolite. For purposes of determining respiratory and worker protection both the asbestiform and non-asbestiform varieties of the above minerals and any of these materials that have been chemically treated and/or altered shall be considered as asbestos.

- E. **Asbestos-Containing Material (ACM):** Any material containing more than 1% by weight of asbestos of any type or mixture of types.
- F. **Asbestos-Containing Building Material (ACBM):** Surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of a building.
- G. **Asbestos-Containing Waste Material:** Any material which is or is suspected of being or any material contaminated with an asbestos-containing material which is to be removed from a work area for disposal.
- H. **Asbestos debris:** Pieces of ACBM that can be identified by color, texture, or composition, or means dust, if the dust is determined by an accredited inspector to be ACM.
- I. **Authorized Visitor:** The Owner, the Owner's Representative, testing lab personnel, the Architect/Engineer, emergency personnel or a representative of any federal, state and local regulatory or other agency having authority over the project.
- J. **Barrier:** Any surface that seals off the work area to inhibit the movement of fibers.
- K. **Breathing Zone:** A hemisphere forward of the shoulders with a radius of approximately 6 to 9 inches.
- L. **Ceiling Concentration:** The concentration of an airborne substance that shall not be exceeded.
- M. **Curtained Doorway:** Device to allow ingress and egress from one room to another while permitting minimal air movement between the rooms.
- N. **Demolition:** The wrecking or taking out of any building component, system, finish or assembly of a facility together with any related handling operations.
- O. **Disposal Bag:** A properly labeled 6 mil thick leak-tight plastic bags used for transporting asbestos waste from work and to disposal site.
- P. **Encapsulant:** a penetrating encapsulant specifically designed to minimize fiber release during removal of asbestos-containing materials rather than for in situ encapsulation.
- Q. **Encapsulation:** Treatment of asbestos-containing materials, with an encapsulant.
- R. **Enclosure:** The construction of an air-tight, impermeable, permanent barrier around asbestos-containing material to control the release of asbestos fibers into the air.
- S. **Filter:** A media component used in respirators to remove solid or liquid particles from the inspired air.
- T. **Friable Asbestos Material:** Material that contains more than 1.0% asbestos by weight and that can be crumbled, pulverized, or reduced to powder by hand pressure when dry. A material can also be rendered friable via mechanical means.

- U. **HEPA Filter:** A High Efficiency Particulate Air (HEPA) filter capable of trapping and retaining 99.97% of asbestos fibers greater than 0.3 microns in diameter.
- V. **HEPA Filter Vacuum Collection Equipment (or vacuum cleaner):** High efficiency particulate air filtered vacuum collection equipment with a filter system capable of collecting and retaining asbestos fibers. Filters should be of 99.97% efficiency for retaining fibers of 0.3 microns or larger.
- W. **Negative Pressure Respirator:** A respirator in which the air pressure inside the respiratory-inlet covering is positive during exhalation in relation to the air pressure of the outside atmosphere and negative during inhalation in relation to the air pressure of the outside atmosphere.
- X. **Personal Monitoring:** Sampling of the asbestos fiber concentrations within the breathing zone of an employee.
- Y. **Protection Factor:** The ratio of the ambient concentration of an airborne substance to the concentration of the substance inside the respirator at the breathing zone of the wearer. The protection factor is a measure of the degree of protection provided by a respirator to the wearer.
- Z. **Project Monitor:** City of San Diego Asbestos & Lead Management Program staff or their designated consultant.
- AA. **Visible Emissions:** Any emissions containing particulate asbestos material that are visually detectable without the aid of instruments. This does not include condensed uncombined water vapor.
- BB. **Wet Cleaning:** The process of eliminating asbestos contamination from building surfaces and objects by using cloths, mops, or other cleaning utensils which have been dampened with amended water or diluted removal encapsulant and afterwards thoroughly decontaminated or disposed of as asbestos-contaminated waste.
- CC. **Work Area:** The area where asbestos-related work or removal operations are performed which is defined and/or isolated to prevent the spread of asbestos dust, fibers or debris, and entry by unauthorized personnel. Work area is a Regulated Area as defined by 8 CCR 1529.

1.3 REGULATIONS

- A. As required, ABATEMENT CONTRACTOR shall notify all Local, State, and Federal agencies regulating standards for the removal of asbestos-containing materials, including but not limited to: Cal-OSHA, San Diego Air Pollution Control District, and U.S. Environmental Protection Agency. ABATEMENT CONTRACTOR shall provide Owner a copy of each notification and a copy of a certified mail receipt proving proper notification to all required agencies.
- B. ABATEMENT CONTRACTOR shall be registered as a asbestos contractor before performing any asbestos related work, a licensee must also be registered with the Department of Industrial Relations, Division of Occupational Safety and Health.

- C. Transportation of hazardous materials shall be in accordance with the State of California Title 22 and the Department of Transportation regulations.
- D. ABATEMENT CONTRACTOR shall comply with all provisions of California Title 8, Section 5208 and Section 1529.
- E. ABATEMENT CONTRACTOR shall be in compliance with all provisions of Title 40 CFR Part 61.
- F. ABATEMENT CONTRACTOR shall assume full responsibility and liability for compliance with all applicable Federal, State, and local regulations pertaining to work practices, hauling, disposal, and protection of workers, visitors to site, and persons occupying areas adjacent to the site.

1.4 SUBMITTALS

- A. Before the Start of Work, submit the following to the City of San Diego's for review. Do not start work until the submittals are returned with the PROJECT MONITOR'S written approval, indicating that they are authorized for unrestricted use.
 - 1. Asbestos Abatement Work Plan: In addition to information required in this section, Work Plan shall contain all information required under 8 CCR 1529. Submit a detailed job-specific plan that includes:
 - a. The procedures proposed to comply with the requirements of this specification and all applicable regulations.
 - b. Detailed drawings that identify the location, size, layout and details of the Work Areas, any equipment, disposal storage, restrooms, and worker decontamination facilities.
 - c. The sequencing of abatement work and the interface of trades involved in the performance of work. Provide a time line that details each major phase of work activity and anticipated time it will occur.
 - d. The methods to be used to assure the safety occupants and visitors to the site.
 - e. Detailed description of the methods to be employed to ensure asbestos is not released above background air levels.
 - f. The method of removal to reduce asbestos dust generation in the Work Area,
 - 2. Work site coordination submittals including:
 - a. Contingency and Spill Plan: Prepare a contingency plan for emergencies including fire, accident, power failure, or any other event that may require modification or abridgement of decontamination or Work Area isolation procedures. Include in plan specific procedures for decontamination or Work Area isolation. Plan should be specific for all types of hazardous materials or situations specific to this work site. Note that nothing in this specification

should impede safe exiting or providing of adequate medical attention in the event of an emergency.

- b. Telephone numbers and locations of emergency services including but not limited to fire, ambulance, doctor, hospital, police, power company, telephone company.
 - c. Notifications:
 - i. Notify emergency service agencies including fire, ambulance, police or other agency that may service the abatement work site in case of an emergency. Notification is to include methods of entering Work Area, emergency entry and exit locations, modifications to fire notification or fire-fighting equipment, and other information needed by agencies providing emergency services.
 - ii. Notifications of Emergency: Any individual at the job site may notify emergency service agencies if necessary without effect on this contract or the Contract Sum.
 - iii. Provide submittal identifying person responsible for responding to project site emergencies twenty-four hours a day, seven days a week.
3. ABATEMENT CONTRACTOR qualifications and personnel information submittals that include but are not limited to:
- a. Provide all staff names, certifications, and experience. Identify their duties and responsibilities on this project. ABATEMENT CONTRACTOR shall have the following minimum levels of qualified supervision on the project site:
 - i. General Superintendent: Provide a full-time General Superintendent who is experienced in administration and supervision of asbestos roof abatement projects including work practices, protective measures for building and personnel, disposal procedures, etc. This person is the ABATEMENT CONTRACTOR`s representative responsible for compliance with all applicable federal, state and local regulations and guidelines, particularly those relating to asbestos abatement and hazardous waste. Should, in the opinion of the OWNER, any language barrier exist between the on-site superintendent and the OWNER or PROJECT MONITOR, the ABATEMENT CONTRACTOR shall employ a qualified full-time interpreter or provide a new on-site superintendent at no additional cost to the OWNER. Shall be AHERA certified as asbestos supervisor.
 - ii. Foreman: Provide a full time Foreman to directly supervise and direct no more than 10 abatement workers. Each Foreman will act as the Competent Person as required by 8 CCR 1529 for the workers the foreman is directing. The Foreman has oversight authority over the workers and reports to the General Superintendent. If there are 10 or

fewer abatement workers on the project the General Superintendent may fill the Foreman's position. Shall be AHERA certified as asbestos supervisor.

- iii. Experience and Training: The General Superintendent and foreman shall meet all the requirements as a Competent Person as required by OSHA 8 CCR 1529. They shall have completed training in EPA Asbestos Supervisor Training. They shall have experience with projects of similar types and sizes.
 - iv. Workers: All asbestos abatement workers shall have current EPA and OSHA asbestos abatement training.
 - v. Certificate of Worker's Acknowledgment: Submit an original signed copy of the Certificate of Worker's Acknowledgment found in Appendix B of this section, for each worker and supervisor who is to be at the job site or enter the Work Area.
- 4. Submit a copy of the ABATEMENT CONTRACTOR's Asbestos DOSH Handling License.
 - 5. If required by regulations, submit copies of notifications made to regulatory agencies along with a copy of certified mail receipt.
 - 6. Submit respiratory protection information and air monitoring data as per the following:
 - a. Operating Instruction: Submit complete operating and maintenance instructions for all components and systems as a whole. Submittal is to be in bound manual form suitable for field use.
 - b. Respiratory Protection Program: Submit ABATEMENT CONTRACTOR's written respiratory protection program manual as required by 8 CCR 1529 and 5144.
 - c. Respiratory Protection Schedule: Submit level of respiratory protection intended for each operation required by the project.
 - 7. Submit doctor's report from medical examination conducted within the last 12 months as part of compliance with OSHA medical surveillance requirements for each worker who is to enter the Work Area. Submit, at a minimum, the following for each worker:
 - a. Name and Social Security Number
 - b. Physicians Written Opinion from examining physician including at a minimum the following:
 - i. Whether worker has any detected medical conditions that would place the worker at an increased risk of material health impairment from

exposure to asbestos. Any recommended limitations on the worker or on the use of personal protective equipment such as respirators.

- ii. Statement that the worker has been informed by the physician of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
8. Submit a notarized certification, signed by an officer of the ABATEMENT CONTRACTOR firm that exposure measurements, medical surveillance, and worker training records are being kept in conformance with 8 CCR 1529.
 9. Identify disposal location and provide associated permits for all non-friable asbestos waste.
 10. Identify state licensed transporter, disposal location, and associated permits for all friable asbestos waste.
 11. Identify the laboratory that will be performing the analysis of the personnel samples and provide their accreditation. Also discuss how ABATEMENT CONTRACTOR will be providing the analytical results to the PROJECT MONITOR within 24 hours of sampling completion.
- B. Submit the following during and at the completion of the work
1. Copies of all Waste Shipment Records
 2. Copies of all air monitoring results within 24 hours

1.5 AIR MONITORING/WORK AREA CLEARANCE

- A. The City's PROJECT MONITOR will provide ambient area air monitoring during all phases of the removal of asbestos-containing roofing materials, including but not limited to interior of facility, dumpster area and downwind samples.
- B. During the project, personnel air monitoring will be conducted by ABATEMENT CONTRACTOR to determine fiber levels. If fiber levels exceed 0.1 fibers/cc then work shall cease and not begin again until after PROJECT MONITOR approves the ABATEMENT CONTRACTOR's revised methodology which will lower fiber levels. Procedures shall be submitted in writing to the City prior to implementing these procedures. This includes Short Term Exposure Limit (STEL) air monitoring. The ABATEMENT CONTRACTOR shall install a personal pump on one of the employees working at the point where the asbestos-containing roofing materials are being cut. This air sample shall run for 30 minutes. At a minimum, ABATEMENT CONTRACTOR shall provide air monitoring for every four workers. Testing of air samples will be by Phase Contrast Microscopy following NIOSH 7400 rules.
- C. If any of the ambient area samples taken by the PROJECT MONITOR either inside or outside exceed .01 fibers/cc then ABATEMENT CONTRACTOR is required to pay for the additional testing on those samples collected using transmission electron microscopy (TEM).

- D. Release of the ABATEMENT CONTRACTOR from the asbestos-containing material removal phase of the contract will be accomplished by a visual inspection by the PROJECT MONITOR. Visual Clearance, performed by the PROJECT MONITOR, shall include all exterior and interior areas of the facility.

1.6 WORKER PROTECTION

- A. Provide worker protection as required by the most stringent OSHA and/or EPA standards applicable to the work.
- B. Training
 - 1. All workers are to be trained, certified and accredited as required by state or local code or regulation.
 - 2. Train all workers, in accordance with Title 8 CCR section 5208 and section 1529, regarding the dangers inherent in handling asbestos and breathing asbestos dust, proper work procedures, and personal and area protective measures.
- C. Provide medical examinations for all workers who may encounter an airborne fiber level of 0.1 fibers/cc or greater for an 8 hour Time Weighted Average. In the absence of specific airborne fiber data, provide medical examinations for all workers who will enter the Work Area for any reason. Examination shall as a minimum meet OSHA requirements as set forth in 8 CCR 1529. In addition, provide an evaluation of the individual's ability to work in environments capable of producing heat stress in the worker.
- D. Protective clothing
 - 1. Coveralls: Provide two (2) disposable "full body" coveralls and disposable head covers, and require that they be worn at all times by all workers in the Work Area. Provide a sufficient number for all required changes, for all workers in the Work Area.
 - 2. Boots: Provide work boots with non-skid soles, and where required by OSHA, foot protection for all workers. Provide boots at no cost to workers. Do not allow boots to be removed from the Work Area for any reason, after being contaminated with asbestos-containing material. Thoroughly clean, decontaminate and bag boots before removing them from Work Area at the end of the work.
 - 3. Hard Hats: Provide head protection (hard hats) as required by OSHA for all workers, and provide 1 spare for use by Owner's Representative, Project Administrator, and Owner. Require hard hats to be worn at all times that work is in progress that may potentially cause head injury. Provide hard hats of the type with plastic strap suspension. Require hats to remain in the Work Area throughout the work. Thoroughly clean, decontaminate and bag hats before removing them from Work Area at the end of the work.
 - 4. Goggles: Provide eye protection (goggles) as required by OSHA for all workers involved in scraping, spraying, or any other activity which may potentially cause

eye injury. Thoroughly clean, decontaminate and bag goggles before removing them from Work Area at the end of the work.

5. Gloves: Provide work gloves to all workers and require that they be worn at all times in the Work Area. Do not remove gloves from Work Area and dispose of as asbestos-contaminated waste at the end of the work.

E. Respirators

1. Air Purifying Respirators

- a. Respirator Bodies: Provide half face or full face type respirators.
 - b. Filter Cartridges: Provide, at a minimum, HEPA type filters labeled with NIOSH and MSHA Certification for "Radionuclides, Radon Daughters, Dust, Fumes, Mists including Asbestos Containing Dusts and Mists" and color coded in accordance with ANSI Z228.2 (1980). In addition, a chemical cartridge section may be added, if required, for solvents, etc., in use. In this case, provide cartridges that have each section of the combination canister labeled with the appropriate color code and NIOSH/MSHA Certification.
 - c. Non-permitted respirators: Do not use single use, disposable or quarter face respirators.
2. Require that respiratory protection be used at all times when there is any possibility of disturbance of asbestos containing materials whether intentional or accidental.
 3. Require that a respirator be worn by anyone in a Work Area at all times, regardless of activity, during a period that starts with any operation which could cause airborne fibers until the area has been cleared for re-occupancy.
 4. Regardless of Airborne Fiber Levels: Require that the minimum level of respiratory protection used be half-face air-purifying respirators with high efficiency filters.

F. Fit testing

1. Initial Fitting: Provide initial fitting of respiratory protection during a respiratory protection course of training. Only allow an individual to use respirators for which training and fit testing has been provided.
2. Upon Each Wearing: Require that each time an air-purifying respirator is put on it be checked for fit with a positive and negative pressure fit test in accordance with the manufacturer's instructions or ANSI Z88.2 (1980).

- G. Respirators, disposable coveralls, head covers, and foot covers shall be provided by the ABATEMENT CONTRACTOR for the City of San Diego's Asbestos and Lead Management Program's PROJECT MONITOR, and other authorized representatives who may inspect the job site. Provide two (2) respirators and six (6) complete coveralls and, where applicable, six (6) respirators filter changes per day.

1.7 DECONTAMINATION PROCEDURE

- A. Prior to leaving the Work Area, HEPA vacuum outer suit completely and remove, turning it inside out while doing so.
- B. Hygiene facilities such as change rooms and showers are not required to be adjacent to the operations on top of a roof, but these facilities must be provided [California Title 8, Section 1529 (1)(3)]. Proceed to decontamination area where the second suit is to be removed while turning it inside out.
- C. After wiping all areas and respirator, remove respirator and wipe facial area clean.
- D. Place contaminated suits, towels, and respirator cartridges in a properly labeled disposal bag.
- E. At the completion of the project, boots, hard hats, and goggles should be decontaminated and bagged prior to removal from the Work Area.
- F. Equipment leaving the Work Area should be HEPA vacuumed and wet wiped.

PART 2 - PRODUCTS

2.1 POLYETHYLENE SHEET

- A. A single polyethylene film in the largest sheet size possible to minimize seams, 4.0 or 6.0 mil thick as indicated, and clear, frosted, or black as indicated.
- B. Provide flame resistant polyethylene film that conforms to requirements set forth by the National Fire Protection Association Standard 701, Small Scale Fire Test for Flame-resistant Textiles and Films. Provide largest size possible to minimize seams, 4.0 or 6.0 mil thick as indicated, and frosted or black as indicated.
- C. Reinforced Polyethylene Sheet: Where plastic sheet is the only separation between the Work Area and building exterior, provide translucent, nylon reinforced, laminated, flame resistant, polyethylene film that conforms to requirements set forth by the National Fire Protection Association Standard 701, Small Scale Fire Test for Flame-resistant Textiles and Films. Provide largest size possible to minimize seams, 4.0 or 6.0 mil thick as indicated, frosted or black as indicated.

2.2 TAPE

- A. Provide duct tape in 2" or 3" widths as indicated, with an adhesive which is formulated to stick aggressively to sheet polyethylene.

2.3 SPRAY ADHESIVE

- A. Provide spray adhesive in aerosol cans which is specifically formulated to stick tenaciously to sheet polyethylene.

PART 3 - EXECUTION

3.1 WORK AREA PROCEDURES

- A. Require that workers NOT eat, drink, smoke, chew tobacco or gum, or apply cosmetics in the Work Area.

3.2 WORK AREA PREPARATION

- A. ABATEMENT CONTRACTOR shall secure work area from access by public, staff or users of the area. Accomplish this where possible, by locking doors, gates, or other means of access to the area.
- B. Barricade fencing is required for securing an outside area from unauthorized access. Work area delineation shall occur at no less than twelve feet (12') from the radius of the work and/or building. Yellow caution tape shall not be used.
- C. ABATEMENT CONTRACTOR shall place 6 mil polyethylene sheeting in area directly below roof where removal is taking place. Additional control measures closer to the roof shall be used for structures higher than 2 stories.
- D. All windows, vents, mechanical systems, etc., in close proximity to the abatement area shall be sealed with plastic and tape by the ABATEMENT CONTRACTOR prior to the work beginning.
- E. Provide warning signs at roof access in accordance with California Title 8, Section 1529 reading as follows:

**DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE CLOTHING
ARE REQUIRED IN THIS AREA**

3.3 REMOVAL OF ASBESTOS-CONTAINING ROOFING MATERIALS

- A. Asbestos-containing roofing materials shall be adequately wetted with either amended water or a removal encapsulant before and during cutting process, to reduce fiber emission.
- B. The asbestos-containing roofing materials shall be cut into manageable sizes using methods approved by the Asbestos and Lead Management Program. The squares will be separated from the roofing buffer board and any other non asbestos-containing substrate and then prepared for disposal.
- C. ABATEMENT CONTRACTOR shall ensure that no asbestos-containing materials remain adhered to the roofing buffer board, or other materials that will be treated as non-contaminated waste.
- D. The ABATEMENT CONTRACTOR should exercise caution in using water, as he

will be solely responsible for any water damage to the facility resulting from the work.

- E. After Work Area and all interior and exterior areas are determined to be visually clean according to section 1.5, PROJECT MONITOR shall direct the ABATEMENT CONTRACTOR to apply one coat of an approved sealant to all dried, exposed surfaces from which asbestos-containing materials have been removed.
- F. ABATEMENT CONTRACTOR is responsible for keeping all asbestos roofing debris out of the interior of the buildings at all times during the roof removal. If the roof sheathing cannot prevent roofing material inside the interior, ABATEMENT CONTRACTOR shall install control measures inside the structure. All interior contamination is the responsibility of the ABATEMENT CONTRACTOR to clean with no additional cost to this contract.
- G. ABATEMENT CONTRACTOR shall ensure there is no loose debris around the Work Area during the removal and if found, ABATEMENT CONTRACTOR shall clean the area immediately.
- H. Removal Method One
 - 1. The asbestos containing roofing materials shall be cut into manageable sizes and immediately place into two 6 mil thick polyethylene bags. All non-friable asbestos-containing material (ACM) shall remain wet while being placed in bags. As soon as each bag is filled it will be sealed in the following manner:
 - i. Bags: The neck of the bag shall be twisted and sealed with at least three turns of duct tape. The neck shall then be folded over, goose necked, and sealed with at least three turns of duct tape. This bag shall then be inserted into another bag and the above sealing procedure shall be followed.
 - ii. All bags shall be carefully **LOWERED** to the ground to ensure they do not break. The bags shall then be loaded into a dumpster or truck which is completely enclosed and locked.
- I. Removal Method Two
 - 1. Non-friable asbestos-containing roofing materials shall be cut into manageable sizes and separated from the substrate while wetting with an approved removal encapsulant. All materials may then be lowered to dumpster by means of a dust tight chute.
 - 2. The dumpster shall be lined with two layers of 6 mil polyethylene sheeting. Care must be taken to prevent lining from being torn. At the end of the day the dumpster shall be covered and locked.

3. The dumpster shall be labeled in accordance with California Title 8, Section 1529:

**DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD
BREATHING AIRBORNE ASBESTOS
FIBERS ARE HAZARDOUS TO YOUR HEALTH**

3.4 DISPOSAL

- A. Non-friable asbestos materials may be disposed of at Miramar Landfill.
- B. Any friable ACM shall be containerized immediately, secured in a locked container, be transported by state licensed hauler with manifest, and disposed of at appropriate landfill location.
- C. The PROJECT MONITOR or designated representative will inspect each load and sign all waste manifests before waste leaves the site.
- D. Copies of Waste Shipment Records for each load of asbestos waste material shall be given to the City.
- E. Cordon off the Work Area, a safe zone around the building, and the dumpster area with barrier fencing. **Yellow caution tape shall not be used.**
- F. Provide warning signs at roof access in accordance with 8 CCR 1529 reading as follows:

**DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE CLOTHING
ARE REQUIRED IN THIS AREA**

APPENDIX A

Asbestos Sampling Results:

SAN DIEGO MUNICIPAL GYMNASIUM ROOF INSPECTION			
SAMPLE #	LOCATION	TYPE OF MATERIAL	ASBESTOS %
6161-1	Roof Lower Perimeter	Rolled Roofing	None Detected
6161-2	Roof Lower Perimeter	Rolled Roofing	None Detected
6161-3	Roof Lower Perimeter	Rolled Roofing	None Detected
6161-4	Roof Lower Perimeter	Mastic	6
6161-5	Upper Roof	Rolled Roofing	None Detected
6161-6	Upper Roof	Rolled Roofing	None Detected
6161-7	Upper Roof	Rolled Roofing	None Detected
6161-8	Roof Lower Perimeter Wall	Mastic	5
6161-9	Roof Lower Perimeter	Tar in Pitch Pot	None Detected
6161-10	Roof Lower Perimeter Wall	Mastic	5
<p>Summary: Asbestos-containing roofing mastic was found in all of the roofing areas in the lower roof perimeter walls and roof penetrations. Work disturbing materials containing greater than 0.1% asbestos must be performed by a contractor with the California Division of Occupational Safety and Health (DOSH) asbestos registration.</p>			

APPENDIX B - CERTIFICATE OF WORKER'S ACKNOWLEDGMENT

PROJECT NAME: _____ **DATE:** _____

PROJECT ADDRESS: _____

CONTRACTOR'S NAME: _____

Working with asbestos can be dangerous. Inhaling asbestos fibers has been linked with various types of cancer. If you smoke and inhale asbestos fibers, the chance that you will develop lung cancer is greater than that of the non-smoking public.

Your employer's contract with the Owner for the above project requires that: You be supplied with the proper respirator and be trained in its use. You be trained in safe work practices and in the use of the equipment found on the job. You receive a medical examination. These things are to have been done at no cost to you.

RESPIRATORY PROTECTION: You must have been trained in the proper use of respirators, and informed of the type respirator to be used on the above referenced project. You must be given a copy of the written respiratory protection manual issued by your employer. You must be equipped at no cost with the respirator to be used on the above project.

TRAINING COURSE: You must have been trained in the dangers inherent in handling asbestos and breathing asbestos dust and in proper work procedures and personal and area protective measures. The topics covered in the course must have included the following:

- Physical characteristics of asbestos
- Health hazards associated with asbestos
- Respiratory protection
- Use of protective equipment
- Pressure Differential Systems
- Work practices including hands on or on-job training
- Personal decontamination procedures
- Air monitoring, personal and area

MEDICAL EXAMINATION: You must have had a medical examination within the past 12 months at no cost to you. This examination must have included: health history, pulmonary function tests and may have included an evaluation of a chest x-ray.

By signing this document you are acknowledging only that the Owner of the building you are about to work in has advised you of your rights to training and protection relative to your employer, the ABATEMENT CONTRACTOR.

Signature _____ Social Security No _____

Printed Name _____ Witness _____

SECTION 013591 HISTORIC TREATMENT PROCEDURES

PART 1 –GENERAL

SUMMARY

This Section includes special procedures for historic treatment on Project including, but not limited to, the following:

- Storage and protection of existing historic materials.
- Temporary protection of historic materials during construction.
- Protection during application of chemicals.
- Protection during use of heat-generating equipment.
- Historic treatment procedures.
- Removal of bird excrement.

DEFINITIONS

"Preservation": To apply measures necessary to sustain the existing form, integrity, and materials of a historic property. Work may include preliminary measures to protect and stabilize the property.

"Rehabilitation": To make possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features that convey its historical, cultural, or architectural values.

"Restoration": To accurately depict the form, features, and character of a property as it appeared at a particular period of time by means of the removal of features from other periods in its history and the reconstruction of missing features from the restoration period.

"Reconstruction": To reproduce in the exact form and detail a building, structure, or artifact as it appeared at a specific period in time.

"Stabilize": To apply measures designed to reestablish a weather-resistant enclosure and the structural reinforcement of an item or portion of the building while maintaining the essential form as it exists at present.

"Protect and Maintain": To remove deteriorating corrosion, reapply protective coatings, and install protective measures such as temporary guards; to provide the least degree of intervention.

"Repair": To stabilize, consolidate, or conserve; to retain existing materials and features while employing as little new material as possible. Repair includes patching, piecing-in, splicing, consolidating, or otherwise reinforcing or upgrading materials. Within restoration, repair also includes limited replacement in kind; rehabilitation, and reconstruction, with compatible substitute materials for deteriorated or missing parts of features when there are surviving prototypes.

"Replace": To duplicate and replace entire features with new material in kind. Replacement includes the following conditions:

Duplication: Includes replacing elements damaged beyond repair or missing. Original material is indicated as the pattern for creating new duplicated elements.

Replacement with New Materials: Includes replacement with new material when original material is not available as patterns for creating new duplicated elements.

Replacement with Substitute Materials: Includes replacement with compatible substitute materials. Substitute materials are not allowed, unless otherwise indicated.

"Remove": To detach items from existing construction and legally dispose of them off-site unless indicated to be removed and salvaged or removed and reinstalled.

"Remove and Salvage": To detach items from existing construction and deliver them to Owner ready for reuse.

"Remove and Reinstall": To detach items from existing construction, repair and clean them for reuse, and reinstall them where indicated.

"Existing to Remain" or "Retain": Existing items of construction that are not to be removed and that are not otherwise indicated to be removed and salvaged, or removed and reinstalled.

"Material in Kind": Material that matches existing materials, as much as possible, in species, cut, color, grain, and finish.

SUBMITTALS

Historic Treatment Program: Submit a written plan for each phase or process including protection of surrounding materials during operations. Describe in detail materials, methods, and equipment to be used for each phase of work.

Alternative Methods and Materials: If alternative methods and materials to those indicated are proposed for any phase of work, provide a written description including evidence of successful use on other, comparable projects, and program of testing to demonstrate effectiveness for use on this Project.

Photographs or Videotape: Show existing conditions of adjoining construction and site improvements, including finish surfaces that might be misconstrued as damage caused by historic treatment operations. Submit before work begins.

QUALITY ASSURANCE

Historic Treatment Specialist Qualifications: A firm that employs personnel, including supervisory personnel, experienced and skilled in the processes and operations indicated.

Historic Treatment Preconstruction Conference: Conduct conference 2111 Pan America Plaza, San Diego CA 92101.

STORAGE AND PROTECTION OF HISTORIC MATERIALS

Removed and Salvaged Historic Materials:

- Clean salvaged historic items.
- Pack or crate items after cleaning. Identify contents of containers.
- Store items in a secure area until delivery to Owner.
- Transport items to Owner's storage area designated by Owner.
- Protect items from damage during transport and storage.
- Do not dispose of items removed from existing construction without prior written consent of Owner.

Removed and Reinstalled Historic Materials:

- Clean and repair historic items to functional condition adequate for intended reuse.
- Pack or crate items after cleaning and repairing. Identify contents of containers.
- Protect items from damage during transport and storage.
- Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.

Existing Historic Materials to Remain: Protect construction indicated to remain against damage and soiling during historic treatment. When permitted by Architect, items may be removed to a suitable, protected storage location during historic treatment and cleaned and reinstalled in their original locations after historic treatment operations are complete.

Storage and Protection: When removed from their existing location, store historic materials within a weather tight enclosure where they are protected from wetting by rain, snow, or ground water, and temperature variations. Secure stored materials to protect from theft.

Identify removed items with an inconspicuous mark indicating their original location.

PROJECT-SITE CONDITIONS

Exterior Cleaning and Repairing:

Proceed with the work only when forecasted weather conditions are favorable.

Wet Weather: Do not attempt repairs during rainy or foggy weather. Do not apply primer, paint, putty, or epoxy when the relative humidity is above 80 percent. Do not remove exterior elements of structures when rain is forecast or in progress.

Do not perform exterior wet work when the air temperature is below 40 deg F (5 deg C).

Do not begin cleaning, patching, or repairing when there is any likelihood of frost or freezing.

Do not begin cleaning when either the air or the surface temperature is below 45 deg F (7 deg C) unless approved means are provided for maintaining a 45 deg F (7 deg C) temperature of the air and materials during, and for 48 hours subsequent to, cleaning.

Perform cleaning and rinsing of the exterior only during daylight hours.

Owner will occupy portions of building immediately adjacent to historic treatment area. Conduct historic treatment so Owner's operations will not be disrupted. Provide not less than 72 hours' notice to Owner of activities that will affect Owner's operations.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

PROTECTION, GENERAL

Comply with manufacturer's written instructions for precautions and effects of products and procedures on adjacent building materials, components, and vegetation.

Ensure that supervisory personnel are present when work begins and during its progress.

Temporary Protection of Historic Materials during Construction:

Protect existing materials during installation of temporary protections and construction. Do not deface or remove existing materials.

Attachments of temporary protection to existing construction shall be approved by Architect prior to installation.

Protect landscape work adjacent to or within work areas as follows:

Provide barriers to protect tree trunks.

Bind spreading shrubs.

Use coverings that allow plants to breathe and remove coverings at the end of each day. Do not cover plant material with a waterproof membrane for more than 8 hours at a time.

Set scaffolding and ladder legs away from plants.

Existing Drains: Prior to the start of work or any cleaning operations, test drains and other water removal systems to ensure that drains and systems are functioning properly. Notify Architect immediately of drains or systems that are stopped or blocked. Do not begin Work of this Section until the drains are in working order.

Provide a method to prevent solids including stone or mortar residue from entering the drains or drain lines. Clean out drains and drain lines that become blocked or filled by sand or any other solids because of work performed under this Contract.

Protect storm drains from pollutants. Block drains or filter out sediments, allowing only clean water to pass.

PROTECTION DURING APPLICATION OF CHEMICALS

Protect persons, motor vehicles, surrounding surfaces of building being restored, building site, plants, and surrounding buildings from harm or damage resulting from applications of chemical cleaners and paint removers.

Cover adjacent surfaces with materials that are proven to resist chemical cleaners selected for Project unless chemicals being used will not damage adjacent surfaces. Use covering materials that contain only waterproof, UV-resistant adhesives. Apply masking agents to comply with manufacturer's written instructions. Do not apply liquid masking agent to painted or porous surfaces. When no longer needed, promptly remove masking to prevent adhesive staining.

Do not clean surfaces during winds of sufficient force to spread cleaning solutions to unprotected surfaces.

Neutralize and collect alkaline and acid wastes and dispose of off Owner's property.

Dispose of runoff from chemical operations by legal means and in a manner that prevents soil erosion, undermining of paving and foundations, damage to landscaping, and water penetration into building interiors.

PROTECTION DURING USE OF HEAT-GENERATING EQUIPMENT

Comply with the following procedures while performing work with heat-generating equipment, including welding, cutting, soldering, brazing, paint removal with heat, and other operations where open flames or implements utilizing heat are used:

Obtain Owner's approval for operations involving use of open-flame or welding equipment.

Notification shall be given for each occurrence and location of work with heat-generating equipment.

As far as practical, use heat-generating equipment in shop areas or outside the building.

Before work with heat-generating equipment commences, furnish personnel to serve as a fire watch (or watches) for location(s) where work is to be performed.

Do not perform work with heat-generating equipment in or near rooms or in areas where flammable liquids or explosive vapors are present or thought to be present. Use a combustible gas indicator test to ensure that the area is safe.

Remove and keep the area free of combustibles, including, rubbish, paper, waste, etc., within area of operations.

If combustible material cannot be removed, provide fireproof blankets to cover such materials.

Where possible, furnish and use baffles of metal or gypsum board to prevent the spraying of sparks or hot slag into surrounding combustible material.

Prevent the extension of sparks and particles of hot metal through open windows, doors, holes, and cracks in floors, walls, ceilings, roofs, and other openings.

Inspect each location of the day's work not sooner than 30 minutes after completion of operations to detect hidden or smoldering fires and to ensure that proper housekeeping is maintained.

Where sprinkler protection exists and is functional, maintain it without interruption while operations are being performed. If operations are performed close to automatic sprinkler heads, shield the individual heads temporarily with guards.

HISTORIC TREATMENT PROCEDURES

The principal aim of preservation work is to halt the process of deterioration and stabilize the item's condition, unless otherwise indicated. Repair is required where specifically indicated. The following procedures shall be followed:

Retain as much existing material as possible; repair and consolidate rather than replace.

Use additional material or structure to reinforce, strengthen, prop, tie, and support existing material or structure.

Use reversible processes wherever possible.

Use traditional replacement materials and techniques. New work shall be distinguishable to the trained eye, on close inspection, from old work.

Record the work before the procedure with preconstruction photos and during the work with periodic construction photos. Photographic documentation is specified in Division 01 Section "Photographic Documentation."

Prohibit smoking by personnel performing work on or near historic structures.

Obtain Architect's review and written approval in the form of a Constructive Change Directive or Supplemental Instruction before making changes or additions to construction or removing historic materials.

Notify Architect of visible changes in the integrity of material or components whether due to environmental causes including biological attack, UV degradation, freezing, or thawing; or due to structural defects including cracks, movement, or distortion.

Do not proceed with the work in question until directed by Architect.

Where missing features are indicated to be repaired or replaced, provide features whose designs are based on accurate duplications rather than on conjectural designs, subject to the approval of Architect and Historic Treatment Specialist.

Where Work requires existing features to be removed, cleaned, and reused, perform these operations without damage to the material itself, to adjacent materials, or to the substrate.

Identify new or replacement materials and features with inconspicuous, permanent marks to distinguish them from original materials. Record the legend of identification marks and the locations of these marks on Record Drawings.

When cleaning, match samples of existing materials that have been cleaned and identified for acceptable cleaning levels. Avoid over cleaning to prevent damage to existing materials during cleaning.

REMOVAL OF BIRD EXCREMENT

General: Before disturbing accumulated bird excrement, consult with an occupational medicine physician, industrial hygienist, and authorities having jurisdiction to determine acceptable removal procedures and appropriate protective measures for personnel.

Removing Bird Excrement: Treat bird excrement before its removal as required by authorities having jurisdiction.

Prior to removal, dampen excrement to prevent it from becoming airborne.

Use only nonmetallic tools (plastic spatulas and brushes with natural fiber or nylon bristles, or their equivalent) to remove excrement.

Collect removed excrement and legally disposed of offsite.

Perform bird excrement removal work from the outside of the building with windows and other openings in the building closed.

END OF SECTION 013591

**SECTION 02070
SELECTIVE DEMOLITION**

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. General Provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

1.02 DESCRIPTION OF WORK

- A. Extent of selective demolition work is indicated in specifications and will be identified during pre-bid walkthrough.
- B. Types of Selective Demolition Work: Demolition requires the selective removal and **subsequent offsite disposal** of the following:
 - 1. Existing roofing materials and flashings of all designated roof Areas, **INCLUDES PROPER REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING ROOF MATERIALS.**
 - 2. Removal and replacement of all roof drains.
 - 3. Removal and proper disposal of designated obsolete equipment and equipment supports
 - 4. Remove and replace roof access hatch.
 - 5. Demolition and removal of selected portions of building or structure.
 - 6. Demolition and removal of selected site elements.
 - 7. Salvage of existing items to be reused or recycled.

1.03 PROTECTIONS

- A. Provide temporary barricades and other forms of protection as required to protect the City's personnel and general public from injury due to selective demolition work and roof installation. **Contractor or listed sub-contractor's shall be properly licensed for the removal and disposal of non-friable roofing asbestos and comply with City of San Diego Environmental Requirements.**
- B. Provide protective measures as required to provide free and safe passage of the City's personnel and general public to and from occupied portions of building.
- C. Protect walks, paving, landscaping, etc. with suitable coverings when necessary.
- D. Remove barricades and protections at completion of work.
- E. Damages: Promptly repair damages caused to adjacent facilities by demolition work at no cost to the City.

1.04 TRAFFIC

- A. Conduct selective demolition operations and debris removal in a manner to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities.

- B. Do not close, block, or otherwise obstruct streets, walks or other occupied or used facilities without written permission from the City or authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by governing regulations.

1.05 UTILITY SERVICES

- A. Maintain existing utilities indicated to remain; keep in service, and protect against damage during demolition operations.
- B. Do not interrupt any existing utilities serving occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as acceptable to the City.

1.06 ENVIRONMENTAL CONTROLS

- A. Use water sprinkling and other suitable methods to limit dust and dirt rising and scattering in air to lowest practical level. Comply with governing regulations pertaining to environmental protection.

1.07 ENVIRONMENTAL CONTROLS

- A. Use water sprinkling and other suitable methods to limit dust and dirt rising and scattering in air to lowest practical level. Comply with governing regulations pertaining to environmental protection.

PART 3 - EXECUTION

3.01 Removal of Existing Roof: CONTRACTOR OR APPROVED SUB-CONTRACTOR'S MUST BE PROPERLY LICENSED FOR THE REMOVAL OF DESIGNATED ASBESTOS CONTAINING ROOF MATERIALS

- A. Existing roofing system is to be removed. Contractor shall provide all labor, material, equipment and tools as required to prepare the existing roofing system for the removal and disposal of non-ACRM and asbestos-containing roofing materials (ACRM). Contractor shall remove existing roof as required to prepare existing roof surface to receive metal and membrane system as specified herein. Roof shall be cleaned and free of all debris to the satisfaction of the Roofing Manufacturer and City Representative. Debris and all material removed, shall be removed and disposed of at the Contractor's expense in a proper disposal site.
- B. The Contractor is hereby notified that designated roofing materials at Casa de Prado Balboa Park Municipal Gym Roof, contains non-friable asbestos. Except to the extent that more explicit or more stringent requirements are written directly into these specifications, all applicable codes, regulations and standards have the same force and effect (and are made part of the specifications) as if copied directly herein.
- C. The Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State and local regulations pertaining to work practices, hauling, disposal, and protection of workers, visitors to the site and building occupants. The Contractor is responsible for providing medical examinations and maintaining

medical records of personnel as required by applicable Federal, State and local regulations. The Contractor shall hold the City and the City's representatives harmless for failure to comply with any applicable work, handling, disposal, safety, health or other regulation on the part of himself, his employees or his subcontractors.

D. Requirements pertaining to this work include, but are not limited to the following:

- a.) Cal/OSHA Title 8, Section 1529, Asbestos, California Administrative Code.
- b.) OSHA Asbestos Standards for the industry.
- c.) CFR 1910.1001 - General
- d.) CFR 1926.58 - Construction Industry
- e.) CFR 1910.134 – Use of Respirators
- f.) CFR 1910.20 – Access to Employees Exposed & Medical Records
- g.) CFR 1910.1200 – Hazard Communication
- h.) CFR 1910.145 – Specifications for Accident Prevention Signs & Tags
- i.) National Emission Standard for Hazardous Air Pollutants (NESHAP)
- j.) EPA Regulations 40 CFR Part 61 subparts A & M including NESHAP Revision; Final Rule, Federal Registers 11/20/99
- k.) 49 CFR 171 and 172 Hazardous Substances
- l.) San Diego County Air Pollution Control City Regulations

E. Contractor is responsible for all OSHA-required testing of Contractor's employees.

F. A minimum of two, full-shift air samples will be required to establish an acceptable 8-Hour Time Weighted Average (TWA). Air samples shall be collected at flow rates not exceeding 10 liters per minute. The air volume shall be at least 1000 liters for each sample. Air samples shall be analyzed using the PLM (Polarized Light Microscopy) and followed by TEM (Transmission Electron Microscopy (TEM) method to obtain final clearance should the PLM samples reveal unacceptable air sampling. If the airborne concentrations for the 8 hour TWA are less than 0.1 fibers/cubic centimeter of air, air monitoring can be discontinued. Work practices, employee protection, and engineering controls must be carried out throughout the duration of the roofing removal process.

G. Engineering controls listed below are provided as a minimum activity to control release of debris. Should project conditions indicate a more stringent effort be made to control release, they will be incorporated Where sawing roofing membrane or other vibration-causing activities are carried out, water will be sprayed over the roof surface immediately adjacent to the work.

- a.) The collection dumpster at ground level must be lined with 2 layers of 6-mil polyethylene

Contractor Written Notification: Send Notice at least ten (10) days prior to beginning any work on asbestos-containing materials, as required by EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) Asbestos Regulations (40 CFR 61, subpart M as amended).

1. Re-Notification: Send when work begins on date other than that contained in the original Notice, in accordance with governing regulations

3.02 MATERIAL AND DEBRIS STORAGE

- A. Provide suitable containers to hold debris and all material from selective demolition, so that all debris and material from selective demolition will occupy only areas authorized by the City.

3.03 DEMOLITION

- A. Perform selective demolition work in a systematic manner. Use such methods as required to complete work indicated in Specifications in accordance with demolition schedule and governing regulations. Schedule demolition work to minimize risk of exposure to rain or other unfavorable weather conditions.

3.04 CLEAN-UP AND REPAIR

- A. Upon completion of demolition work, remove tools, equipment, and demolished materials from site. Remove protections and leave interior areas broom clean.
 1. Repair demolition performed in excess of that required. Repair and restore structures and surfaces to remain to condition existing prior to commencement of selective demolition work. Repair adjacent construction or surfaces soiled or damaged by selective demolition work.

END OF SECTION 02070

SECTION 05511
ALUMINUM LADDERS

GENERAL

1.1 SECTION INCLUDES

- A. Vertical ladders.

1.2 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets indicating materials of construction.
- C. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- D. Product Data: Submit product data, including manufacturer's product sheet, for specified products.
- E. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- F. Shop Drawings: Submit shop drawings prepared for this project, showing layout and relationship of ladders to other construction and methods of anchorage, profiles, product components, accessories and finishes.
- G. Samples: Submit selection and verification samples for finishes.
- H. Quality Assurance Submittals: Submit the following;
 - 1. Manufacturer's Instructions: Manufacturer's installation instructions.
 - 2. Closeout Submittals: Submit the following:

Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with Division 1 Closeout Submittals (Maintenance Data and Operation Data) Section. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.
 - 3. Quality Assurance Submittals: Submit the following:

Manufacturer's Instructions: Manufacturer's installation instructions.

Closeout Submittals: Submit the following:

Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with Division 1 Closeout Submittals (Maintenance Data and Operation Data) Section. Include methods for

maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.

QUALITY ASSURANCE

QUALIFICATIONS:

1. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.

DELIVERY, STORAGE & HANDLING

General: comply with Division 1 Product Requirements Sections.

Ordering: Comply with manufacturer's original unopened, undamaged containers with identification labels intact.

Storage and Protection: Store materials protected from exposure to harmful weather conditions and at temperature and humidity conditions recommended by manufacturer.

WARRANTY

Product Warranty: Refer to Conditions of the Contract for project warranty provisions.

Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.

1.3 MANUFACTURERS

1. Acceptable Manufacturers:

- a. ALACO, 5167 "G" Street, Chino, CA 91710-5143 Tel: (909) 591-7565.
- b. Balco Inc.
- c. Royalite Manufacturing, Inc; 1055 Terminal Way, San Carlos, CA 94070. ASD. Tel: (650) 637-1440 or (800) 875-9548. Fax: (650) 637-9770. www.royalite-mfg.com.
- d. ACL Industries.

- A. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2. System Description

Ladder Performance Requirements: Provide aluminum wall ladders which have been manufactured, fabricated and installed to withstand and maintain performance criteria stated by manufacturer without defects, damage or failure.

- A. Ladder Performance Requirements:

- B. Aluminum Fixed Wall Ladders: Certified to meet ANSI A14.3 as an OSHA Type I industrial metal ladder.
- C. Solid Rivets: 4 per rung with combined shear strength in excess of 3600 lb (16,020 N).

1.4 COMPONENTS

- A. Ladders: Provide assembled ladders that comply with OSHA and local building codes, with all edges rounded, clean, smooth, and burr free; dimensions as indicated on drawings.
- B. Ladder Treads: Extruded aluminum, 6063-T5 alloy, with self-cleaning serrated top surface and rounded front and back edges; fastened to handrails with concealed stainless steel screws; capable of withstanding 1200 pounds (3179 kg) load per tread without damage.
 - 1. Cross Section for Vertical Ladders: Minimum 2 inches (50.8 mm) horizontal, nominal 1 inch (25 mm) vertical.
 - 2. Cross Section for Ship's Ladders: Minimum 4 inches (101 mm) horizontal, nominal 1 inch (25 mm) vertical.
 - 3. Width: 24 inches (610 mm).
 - 4. Spacing: 12 inches (305 mm) vertically.
 - 5. Landings: Made up of tread members mounted side-by-side.
- C. Vertical Ladder Rails Supporting Treads: Extruded aluminum, 6063-T5 alloy, with rounded corners, approximately 4 inches (100 mm) deep; mounted so that centerline of tread is minimum of 7 inches (178 mm) from face of wall.
 - 1. Wall Brackets: Bent aluminum plate, 2 inches (50 mm) wide by 3/16 inch (5 mm) thick.
 - 2. Base Brackets: Aluminum angle floor bracket, 2 by 2 by 2 by 1/8 inch (50 by 50 by 3 mm).
 - 3. Base Brackets: Wall bracket with additional angle brace; supporting foot of rail at least 4 inches (100 mm) above floor or grade.
- D. Anchor Bolts: Hot-dipped galvanized or stainless steel bolts; diameter as specified by ladder manufacturer; length as required to provide adequate anchorage into substrate.

EXECUTION

1.5 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Anchor securely using fasteners specified by manufacturer or others of equivalent or greater strength and corrosion resistance.

END OF SECTION

SECTION 061000
ROUGH CARPENTRY

GENERAL

SUMMARY

This Section includes the following:

- Framing with dimension lumber.
- Framing with engineered wood products.
- Rooftop equipment bases and support curbs.
- Wood blocking, cants and nailers.
- Wood furring.
- Wood sleepers.
- Plywood backing panels.

SUBMITTALS

Product Data: For each type of process and factory-fabricated product.

Include data for wood-preservative treatment from chemical treatment manufacturer and certification by treating plant that treated materials comply with requirements.

Material Certificates: For dimension lumber specified to comply with minimum allowable unit stresses. Indicate species and grade selected for each use and design values approved by the American Lumber Standards Committee Board of Review.

Research/Evaluation Reports: For the following, showing compliance with building code in effect for Project:

- Wood-preservative-treated wood.
- Engineered wood products.
- Power-driven fasteners.
- Powder-actuated fasteners.
- Expansion anchors.
- Metal framing anchors.

PRODUCTS

WOOD PRODUCTS, GENERAL

Lumber: DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, provide lumber that complies with the applicable rules of any rules-writing agency certified by the ALSC Board of Review. Provide lumber graded by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated.

Factory mark each piece of lumber with grade stamp of grading agency.

For exposed lumber indicated to receive a stained or natural finish, mark grade stamp on end or back of each piece or omit grade stamp and provide certificates of grade compliance issued by grading agency.

Provide dressed lumber, S4S, unless otherwise indicated.

Engineered Wood Products: Provide engineered wood products acceptable to authorities having jurisdiction and for which current model code research or evaluation reports exist that show compliance with building code in effect for Project.

Allowable Design Stresses: Provide engineered wood products with allowable design stresses, as published by manufacturer that meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency.

WOOD-PRESERVATIVE-TREATED LUMBER

Preservative Treatment by Pressure Process: AWPAC2.

Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.

Kiln-dry lumber after treatment to a maximum moisture content of 19 percent.

Mark lumber with treatment quality mark of an inspection agency approved by the ALSC Board of Review.

Application: Treat items indicated on Drawings, and the following:

Wood cants, nailers, curbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.

Wood sills sleepers, blocking, furring, stripping, and similar concealed members in contact with masonry or concrete.

Wood framing and furring attached directly to the interior of below-grade exterior masonry or concrete walls.

Wood framing members that are less than 18 inches (460 mm) above the ground in crawlspaces or unexcavated areas.

Wood floor plates that are installed over concrete slabs-on-grade.

DIMENSION LUMBER FRAMING

Maximum Moisture Content: 19 percent for 4-inch nominal (38-mm actual) thickness or less, no limit for more than 4-inch nominal (38-mm actual) thickness.

Non-Load-Bearing Interior Partitions: Construction or No. 2 grade of any species.

Framing Other Than Non-Load-Bearing Interior Partitions: As noted on the drawings.

Exposed Framing: Provide material hand-selected for uniformity of appearance and freedom from characteristics, on exposed surfaces and edges, that would impair finish appearance, including decay, honeycomb, knot-holes, shake, splits, torn grain, and wane.

Species and Grade: Species same as indicated above for load-bearing construction of same type; No. 1 grade.

ENGINEERED WOOD PRODUCTS

Laminated-Veneer Lumber: As noted on the drawings.

Wood I-Joists: Prefabricated units, I-shaped in cross section, made with solid or structural composite lumber flanges and wood-based structural panel webs, let into and bonded to flanges. Provide units complying with material requirements of and with structural capacities established and monitored according to ASTM D 5055.

Provide I-joists manufactured without urea formaldehyde.

Web Material: Either oriented strand board or plywood, complying with DOC PS 1 or DOC PS 2, Exposure 1.

Structural Properties: Provide units with depths and design values not less than those indicated.

Provide units complying with APA PRI-400, factory marked with APA trademark indicating nominal joist depth, joist class, span ratings, mill identification, and compliance with APA standard.

Rim Boards: Product designed to be used as a load-bearing member and to brace wood I-joists at bearing ends, complying with research/evaluation report for I-joists.

Material: Product made from any combination solid lumber, wood strands, and veneers. Provide rim boards made without urea formaldehyde.

Provide performance-rated product complying with APA PRR-401, grade as indicated on the drawings, factory marked with APA trademark indicating thickness, grade, and compliance with APA standard.

MISCELLANEOUS LUMBER

General: Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:

- Blocking.
- Nailers.
- Rooftop equipment bases and support curbs.
- Cants.
- Furring.
- Grounds.

For items of dimension lumber size, provide Construction or No. 2 grade lumber with 19 percent maximum moisture content of any species.

PLYWOOD BACKING PANELS

Telephone and Electrical Equipment Backing Panels: DOC PS 1, Exposure 1, C-D Plugged in thickness indicated or, if not indicated, not less than 1/2-inch (13-mm) nominal thickness.

FASTENERS

General: Provide fasteners of size and type indicated that comply with requirements specified.

Where rough carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M or provide fasteners of Type 304 stainless steel.

Power-Driven Fasteners: NES NER-272.

Bolts: Steel bolts complying with ASTM A 307, Grade A (ASTM F 568M, Property Class 4.6); with ASTM A 563 (ASTM A 563M) hex nuts and, where indicated, flat washers.

METAL FRAMING ANCHORS

Manufacturers: Subject to compliance with requirements, provide products as indicated on the structural drawings, or approved equivalent.

Allowable Design Loads: Provide products with allowable design loads, as published by manufacturer that meet or exceed those for the products indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency.

Galvanized Steel Sheet: Hot-dip, zinc-coated steel sheet complying with ASTM A 653/A 653M, G60 (Z180) coating designation.

MISCELLANEOUS MATERIALS

Sill-Sealer Gaskets: Glass-fiber-resilient insulation, fabricated in strip form, for use as a sill sealer; 1-inch (25-mm) nominal thickness, compressible to 1/32 inch (0.8 mm); selected from manufacturer's standard widths to suit width of sill members indicated.

EXECUTION

INSTALLATION

Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit rough carpentry to other construction; scribe and cope as needed for accurate fit. Locate furring, nailers, blocking, grounds, and similar supports to comply with requirements for attaching other construction.

Framing Standard: Comply with American Forest & Paper Association (AF&PA) "Details for Conventional Wood Frame Construction," unless otherwise indicated.

Framing with Engineered Wood Products: Install engineered wood products to comply with manufacturer's written instructions.

Metal Framing Anchors: Install metal framing to comply with manufacturer's written instructions.

Do not splice structural members between supports, unless otherwise indicated.

Comply with AWWA M4 for applying field treatment to cut surfaces of preservative-treated lumber.

Securely attach rough carpentry work to substrate by anchoring and fastening as indicated, complying with the following:

NES NER-272 for power-driven fasteners.

Table 2304.9.1, "Fastening Schedule," in the 2007 Edition of the California Building Code.

END OF SECTION 061000

SECTION 061063 EXTERIOR ROUGH CARPENTRY

SUMMARY

Section Includes:

Beams, T&G Soffits, railings and support framing.
Wood benches.

SUBMITTALS

Product Data: For preservative-treated wood products and metal framing anchors.

LEED Submittal:

Material Certificates:

For lumber specified to comply with minimum allowable unit stresses. Indicate species and grade selected for each use and design values approved by American Lumber Standards Committee (ALSC) Board of Review.

For preservative-treated wood products - Indicate type of preservative used and net amount of preservative retained.

QUALITY ASSURANCE

PRODUCTS

LUMBER, GENERAL

Lumber: Comply with DOC PS 20 and with applicable rules of grading agencies indicated. If no grading agency is indicated, provide lumber that complies with the applicable rules of any rules-writing agency certified by ALSC's Board of Review. Provide lumber graded by an agency certified by ALSC's Board of Review to inspect and grade lumber under the rules indicated.

Factory mark each item with grade stamp of grading agency.

For items that are exposed to view in the completed Work, mark grade stamp on end or back of each piece or omit grade stamp and provide certificates of grade compliance issued by grading agency.

Provide dressed lumber, S4S, or resawn for more than 2-inch marginal joist/beams.

DIMENSION LUMBER

Maximum Moisture Content: 19 percent for 2-inch nominal (38-mm actual) thickness or less; no limit for more than 2-inch nominal (38-mm actual) thickness.

Dimension Lumber Posts: Construction or No. 2 grade and any of the following species:

- Hem-fir or hem-fir (North); NLGA, WCLIB, or WWPA.
- Douglas fir-larch, Douglas fir-larch (North), or Douglas fir-south; NLGA, WCLIB, or WWPA.
- Mixed southern pine; SPIB.
- Spruce-pine-fir or spruce-pine-fir (South); NeLMA, NLGA, WCLIB, or WWPA.

Dimension Lumber T&G Soffits: No. 1 grade and any of the following species:

- Hem-fir or hem-fir (North); NLGA, WCLIB, or WWPA.
- Douglas fir-larch, Douglas fir-larch (North), or Douglas fir-south; NLGA, WCLIB, or WWPA.
- Mixed southern pine; SPIB.
- Redwood; RIS.

BOARDS

Maximum Moisture Content: 19 percent.

Railing Boards: Any of the following species and grades:

- Douglas fir, C & Btr finish or C Select; NLGA, WCLIB, or WWPA.
- Hem-fir, C & Btr finish or C Select; NLGA, WCLIB, or WWPA.
- Redwood, Heart B or Select Heart; RIS.
- Southern pine, B & B finish; SPIB.

TIMBER

Maximum Moisture Content: 19 percent.

Dressing: Provide timber that is rough sawn (Rgh) unless otherwise indicated.

Timber Beams: Balsam fir, Douglas fir-larch, Douglas fir-larch (North), eastern hemlock tamarack (North), hem-fir, southern pine, western hemlock, or western hemlock (North); No. 1, NeLMA, NLGA, SPIB, WCLIB, or WWPA.

PRESERVATIVE TREATMENT

Pressure treat boards and dimension lumber with waterborne preservative according to AWPA C2.

Pressure treat timber with waterborne preservative according to AWPA C15 requirements for "sawn building poles and posts as structural members."

Treatment with CCA shall include post-treatment fixation process.

Preservative Chemicals:

Do not use chemicals containing arsenic or chromium.

Use process that includes water-repellent treatment.

Use process that does not include water repellents or other substances that might interfere with application of indicated finishes.

After treatment, redry boards, dimension lumber and timber to 19 percent maximum moisture content.

Mark treated wood with treatment quality mark of an inspection agency approved by ALSC's Board of Review.

For items indicated to receive a stained or natural finish, mark each piece on surface that will not be exposed or omit marking and provide certificates of treatment compliance issued by inspection agency.

Application: Treat all exterior rough carpentry unless otherwise indicated:

Sills and ledgers.

Members in contact with masonry or concrete.

Posts.

Decking.

FASTENERS

General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture. Provide nails or screws, in sufficient length, to penetrate not less than 1-1/2 inches (38 mm) into wood substrate.

Use fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M or ASTM F 2329 unless otherwise indicated.

For pressure-preservative-treated wood, use stainless-steel fasteners.

Post installed Anchors: Stainless-steel, chemical or torque-controlled expansion anchors with capability to sustain, without failure, a load equal to six times the load imposed when installed in unit masonry assemblies and equal to four times the load imposed when installed in concrete as determined by testing per ASTM E 488 conducted by a qualified independent testing and inspecting agency.

Stainless-steel bolts and nuts complying with ASTM F 593 and ASTM F 594, Alloy Group 1 or 2 (ASTM F 738M and ASTM F 836M, Grade A1 or A4).

METAL FRAMING ANCHORS

Manufacturers: Subject to compliance with requirements, provide products by one of the following:

Cleveland Steel Specialty Co.

Harlen Metal Products, Inc.

KC Metals Products, Inc.

Simpson Strong-Tie Co., Inc.

Southeastern Metals Manufacturing Co., Inc.

USP Structural Connectors.

Allowable Design Loads: Provide products with allowable design loads, as published by manufacturer, that meet or exceed those of products of manufacturers listed. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency.

Galvanized-Steel Sheet: Hot-dip, zinc-coated steel sheet complying with ASTM A 653/A 653M, G90 (Z270) coating designation.

Stainless-Steel Sheet: ASTM A 666, Type 304.

CONCEALED DECKING FASTENERS

Deck Splines: Plastic splines designed to fit in grooves routed into the sides of decking material and be fastened to deck framing with screws.

Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

Blue Heron Enterprises, LLC.; Eb-Ty Hidden Deck-Fastener.

KK Mfg. Co., Inc.; Lumber Loc Hidden Deck Fasteners.

Deck Clips: Black oxide coated stainless-steel clips designed to be fastened to deck framing with screws, and to secure decking material with teeth.

Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:

Tiger Claw Inc.; Tiger Claw Hidden Deck Fasteners.

EXECUTION

INSTALLATION

Set exterior rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit exterior rough carpentry to other construction; scribe and cope as needed for accurate fit.

Framing Standard: Comply with AF&PA's "Details for Conventional Wood Frame Construction" unless otherwise indicated.

Secure decking to framing with concealed decking fasteners.

Install metal framing anchors to comply with manufacturer's written instructions.

Do not splice structural members between supports unless otherwise indicated.

Comply with AWWPA M4 for applying field treatment to cut surfaces of preservative-treated lumber.

Securely attach exterior rough carpentry work to substrate by anchoring and fastening as indicated, complying with the following:

NES NER-272 for power-driven fasteners.

Table 2304.9.1, "Fastening Schedule," in ICC's International Building Code.

Table 23-II-B-1, "Nailing Schedule," in ICBO's Uniform Building Code.

Table 2305.2, "Fastening Schedule," in BOCA's BOCA National Building Code.

Table 2306.1, "Fastening Schedule," in SBCCI's Standard Building Code.

Table R602.3(1), "Fastener Schedule for Structural Members" and Table R602.3(2), "Alternate Attachments," in ICC's International Residential Code for One- and Two-Family Dwellings.

END OF SECTION 061063

SECTION 075520

HOT APPLIED BUR WITH COLD APPLIED MODIFIED SURFACING MEMBRANE

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. The attached are components of this section:
 - 1. General Conditions
 - 2. Statement of Roofing Material Manufacturers Qualifications.

1.02 SCOPE OF WORK

- A. Furnish and install specified roofing and related components to the following designated roof areas:

BALBOA PARK MUNICIPAL GYMNASIUM ROOF REPLACEMENT

- B. Work includes:
 - 1. Removal of existing roofing, insulation and flashing materials to substrate
 - 2. Installation of the following:
 - a. Loose laid rosin paper, 25/32" Asphalt Coated Wood Fiber Cover mechanically fastened to deck with #1211 fasteners and 3" metal plates.
 - b. Tapered perlite crickets and tapered perlite insulation on designated low areas on lower roof sections, set in type IV asphalt.
 - c. 4 Ply Roof Manufacturer (Tremco System) or equivalent BUR system consisting over 1 Ply Modified Trilaminate Composite Base & 2 Plies High Tensile Fiberglass Ply set in Premium Type IV Asphalt, 1 Ply 120 Mil Fire Rated Modified Surfacing Membrane set in Cold Applied Adhesive. All Modified Membrane seams shall be hot air welded.
 - d. 2 Ply Modified Flashing Membrane system.
 - e. Replace existing drains with new primary and overflow drains / scuppers.
 - f. All through roof penetrations including new sight screen supports to be sealed with alpha guard flashing per manufacturer warranty detail requirements.
 - g. Install asphalt walkpads adjacent to service areas on rooftop and leading from roof access door.
 - h. Install Butyl Acrylic Elastomeric wall coating system on perimeter parapet wall and perimeter wall of main barrel roof section.

- i. Install new 24 gage kynar edge metal with gutters / downspouts on main barrel roof section.

**Provide City with 20 year quality assurance warranty.
New Roof System shall be U.L. Class A Fire Rated and F.M. Approved .**

1.03 QUALITY CONTROL

A. Contractor shall:

1. Be experienced in hot process and cold process built-up roofing.
 - a. Five (5) years minimum.
2. Be acceptable to City.
3. Be a manufacturer Certified Contractor.
4. Be approved by manufacturer. The contractor shall be required to acquire full-time inspection days utilizing manufacturer's technical inspectors. The minimum number of Technical Service full-time inspection days will be three (3) days.
5. Has not been in Chapter 7 during the last ten (10) years.
6. Provide a list of at least five (5) projects available for inspection employing similar type system within a 75-mile radius of City.

B. Roofing material manufacturer shall:

1. Be an Associate Member in good standing with the National Roofing Contractors' Association (NRCA) for at least five (5) years.
2. Be nationally recognized in roofing, waterproofing, and moisture survey industry.
3. Be approved by City.
4. Has not been in Chapter 11 during the last five (5) years.
5. The City is desirous of working with a financially strong organization which has the ability to protect and insulate the building City from both product liability and warranty claims, relating to roofing, that could be brought before the building City during the course of the roofing warranty period. As financial strength of suppliers are a requirement of the building City, proof of such must be shown. To this end, the following information may be required by the building City:
 - a. The manufacturer must present to the building City a certificate of insurance for product liability with minimum limits of \$25 million.
6. The City is a supporter of responsible Health, Safety and Environmental (HS&E) issues and requires all manufacturers to have similar concerns, convictions, and commitments. To this end, the primary manufacturers of materials used on building City roof must submit a formalized Corporate HS&E Policy and demonstrate active participation in such a policy.

7. Provide a Project Close-out Report upon delivery of the project warranty. This report shall include the following sections:
 - a. Project Specifications
 - b. Project Summary
 - c. Project reports as a result of roof inspections.
 - d. Job progress photos.
 - e. Warranty document.
 - f. City's Manual describing maintenance and emergency repair.
 - g. Inspection Report to be completed by the roofing material manufacturer two (2) years from project completion.

 8. The roofing material manufacturer shall be ISO 9001 Certified or be able to demonstrate levels of quality assurance.
 - a. Manufacturer will provide proof of ISO 9001 Certification by submitting copy of the Certificate of Registration or similar type of quality documentation.

 - b. Manufacturer's products will be produced per specifications developed under design control procedures per ISO 9001 requirements or similar type requirements.

 - c. The assessment body providing certification of the manufacturer's quality management system will be nationally recognized agency with sufficient knowledge and experience in the manufacturer's industry to permit a credible assessment of the manufacturer's quality system.

 9. Employ full-time Field Technical Services Representative available for final roof inspection.
 10. Provide local Field Representative to make daily site visits, report work quality and job progress.
 11. Provide list of at least five (5) projects available for inspection employing similar type roofing system within a 75-mile radius of the City.
 12. The presence and activity of the manufacturer's/ specifier's representative and/or City's representative shall in no way relieve the contractor of contractual responsibilities of duties.
- C. Project meetings:
1. Final inspection:
 - a. Will be scheduled by City upon job completion.
 - 1) Contractor.
 - 2) Roofing material manufacturer.
 - 3) City.

- c. Minimum agenda:
 - 1) Walkover inspection.
 - 2) Identification of problems which may impede issuance of warranty.
 - 2. Progress meetings:
 - a. Will be scheduled as needed.
- D. Random sampling:
 - 1. Roofing material:
 - a. During course of work, City’s Representative may secure samples according to ASTM D140-93 of materials being used from containers at job site and submit them to an independent laboratory for comparison to specified material.
 - b. Should test results prove that a material is not functionally equal to specified material
 - 1) Contractor shall pay for all testing.
 - 2) Roofing installed and found not to comply with the specifications shall be removed and replaced at no change in the contract price.
- E. Regulatory requirements:
 - 1. Uniform Building Code.
 - 2. UL Classified Fire Rating - UL 790.
 - a. Class A.
 - 3. FM 4470.
 - a. Roof materials shall be F.M. Approved.
- F. Plans and specifications:
 - 1. Contractor shall notify the City of any omissions, contradictions, or conflicts seven (7) days before bid date. The City shall provide necessary corrections or additions to plans and specifications by addendum. If Contractor does not so notify the City of any such condition, it will be assumed that the Contractor has included the necessary items in the bid to complete this specification.
 - 2. It is the intent that this be a completed project as far as the contract documents set forth. It is not the intent that different phases of work on this project be delegated to various trades and subcontractors by the contract documents. Contractor must make own contracts with various subcontractors, setting forth the work these subcontractors will be held responsible for. The Contractor alone will be held responsible by the City for the completed project.
 - 3. If the Contractor feels a conflict exists between what is considered good

roofing practice and these specifications, contractor shall state in writing all objections prior to submitting quotations.

4. It is the Contractor's responsibility during the course of the work to bring to the attention of the City's representative any defective membrane, insulation or deck discovered where not previously identified.

1.04 SUBMITTALS

- A. Submit prior to award of contract:
 1. Product data:
 - a. Product data sheets.
 - b. Material safety data sheets.

1.05 DELIVERY, STORAGE, AND HANDLING

- 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.
 3. Coordinate delivery with the City.
- B. Do not order project materials or start work before receiving written approval from the City.
- C. Storage of materials:
 1. Store roll goods on ends only. Discard rolls which have been flattened, creased, or otherwise damaged. Place materials on pallets. Do not stack pallets.
 2. For insulation, remove plastic packaging shrouds. For felt rolls, slit the top of the plastic shrink wrap only. Cover top and sides of all stored materials with tarpaulin (not polyethylene). Secure tarpaulin.
 3. Rooftop storage: Disperse material to avoid concentrated loading.
 4. No materials may be stored in open or in contact with ground or roof surface.
 5. Should Contractor be required to quickly cover material temporarily, such as during an unanticipated rain shower, all materials shall be stored on a raised platform covered with secured canvas tarpaulin (not polyethylene), top to bottom.

6. Contractor shall assume full responsibility for the protection and safekeeping of products stored on premises.

D. Material handling:

1. Handle materials to avoid bending, tearing, or 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.

1.05 SITE CONDITIONS

A. Field measurements and material quantities:

1. Contractor shall have SOLE responsibility for accuracy of all measurements, estimates of material quantities and sizes, and site conditions that affect work

B. Existing conditions:

1. Building space directly under roof area covered by this specification will be utilized by ongoing operations. Do not interrupt City operations unless prior written approval is received from the City.
2. Access to roof shall be from exterior only.
3. Air conditioning units and other equipment shall be moved as required to install roofing materials complete and in accordance with plans and specifications. When units and equipment are to be moved, they shall be carefully disconnected and removed to a protected area so as not to damage any part or component thereof, and shall be reconnected in such a way that they are restored to a prior-work operating condition. Appropriate measures shall be taken to prevent dust, vapors, gases, or odors from entering the building during roof removal, replacement, or repair.
4. All disconnection and re-connection shall be performed by mechanical and/or electrical company licensed to perform such work.

C. 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 City fire and safety requirements.
3. Advise the City whenever work is expected to be hazardous to any persons of the City community, employees, and/or operators.
4. Maintain a crewman as a floor area guard whenever roof decking is being repaired or replaced.

5. Maintain fire extinguisher within easy access whenever power tools, roofing kettles, and torches are being used.
- D. Waste disposal:
1. Do not re-use, re-cycle or dispose of material manufacturers product containers except in accordance with all applicable regulations. The user of manufactured products is responsible for proper use and disposal of product containers
- E. Environmental requirements:
1. Do not work in rain, or in presence of water.
- F. Security requirements:
1. Comply with City security requirements.
 2. Provide City with current list of persons on the job site.

1.06 PAYMENT SECURITY

- A. Progress payments:
1. Contractor shall establish with the City procedures for progress payments, retainages, and final payment prior to commencement of work on this project.
 2. Partial or progress payments shall not relieve Contractor of performance obligations under this contract, nor shall such payments be viewed as approval or acceptance of work performed.
 3. Final payment shall be withheld until all provisions of the specifications are met.

1.07 WARRANTY/GUARANTEE

- A. Guarantee
1. Upon project completion and City acceptance, effective upon complete payment, Contractor shall issue the City a guarantee against defective workmanship and materials for a period of two (2) years.
- B. Warranty
1. Upon project completion, Manufacturer acceptance, and once complete payment has been received, by both Contractor and Manufacturer, Manufacturer shall deliver to the City a **Twenty (20)-year** manufacturer Roofing System Quality Assurance Warranty and Maintenance Agreement. Manufacturer shall perform housekeeping and preventative maintenance as follows: **Inspections and maintenance shall be performed at year 2, 5, 10 & 15 of the warranty period.**

Warranty Coverage Includes:

- The Roof Membrane.
- The Flashings.
- Insulation and adhesive.
- Base sheet and vapor barrier over lightweight concrete.
- Edge components
- Metal Components

Warranty/Maintenance Service:

- Housekeeping and preventative maintenance including removal of debris from roof membranes and cleaning of drains and scuppers.
- All metal edge components, tears, splits and breaks in flashings repaired. Open/split flashing strip-ins re-secured. Exposed Fasteners Resealed.
- All parapet wall flashings, breaks, tears, open laps, voids in terminations bars, counterflashings and parapet coping cap cleaned and resealed. Dress up reflective coating on flashing.
- All equipment/projection flashing components to be repaired Including pitch pans, hoods and clamps, exposed fasteners and unsecured roof top components.
- Roof membrane tears, splits and stripping plies will be repaired as needed.
- All drains bolts and clamping rings will be checked and re-secured. Advise City of missing dome strainers, check lead flashing around drains, check inside and exterior of scupper for open solder or caulking sealants.

Warranty shall be an entire system warranty and include roof insulation, membrane, surfacing, flashing, and sheet metal terminations. At the end of twenty (20) years, warranty may be renewed in five (5)-year increments following manufacturer's standard warranty renewal process. **Manufacturer to provide written reports after each inspection documenting maintenance work performed.**

PART 2 - PRODUCTS

2.01 GENERAL

- A. Comply with quality control, references, specifications, and manufacturer's data. Products containing asbestos are prohibited on this project. Use only asbestos-free products.
- B. Use all products with appropriate personal protection. User must read container label and material safety data sheets prior to use.

2.02 WOOD BLOCKING AND CURBS

- A. Lumber:
 - 1. Re-use of existing wood cants is possible if condition, when revealed, is acceptable to the City, otherwise replace with wood fiber cants.
- B. Wood Fiber: 3" x 3" cut on bias.

2.03 INSULATION:

- A. 6 sided asphalt coated wood fiber 4' x 8' x 25/32" by Tremco / Temple or approved equal.
- C. Fasteners: #1211 screws and 3" plates over wood deck: 1 fastener every 2 square feet.
- D. Tapered: Tapered Perlite Crickets: Minimum running slope 2% (1/4" per foot), in designated low areas / waterways. Install in hot asphalt.

2.04 MECHANICAL FASTENERS

- A. Galvanized sheet steel to wood blocking:
 - 1. FS FF-N-105B(3), Type II, Style 20, roofing nails; galvanized steel wire, flat-head, diamond-point, round, barbed shank.
 - 2. Length: Sufficient to penetrate wood blocking 1-1/4 inches (32 mm) minimum.
- B. Drawband:
 - 1. Gold Seal stainless steel worm gear clamp by Murray Corporation, Cockeysville, MD.
 - 2. Power-Seal stainless steel worm drive clamps by Breeze Clamp Company, Saltsburg, PA.

2.05 ROOFING MATERIALS

- A. Adhesives:
 - 1. Base, ply, adhesive:
 - a. Premium Type IV Asphalt by Tremco or approved equal.
 - 2. Surfacing Membrane Adhesive

Powerply LV modified cold applied adhesive by Tremco or approved equal.
- B. Base Sheet (Over Insulation)
 - 1. Modified Trilaminare Composite Base Sheet, Burmastic Modified Supreme Composite Base by Tremco or approved equal.

- C. Ply Sheet:
 - 1. High Tensile Ply VI. Powerply VI by Tremco or approved equal.
- D. Surfacing Membrane.
 - 1. 120 Mil Modified Surfacing Membrane.
- E. Related materials:
 - 1. Asphalt mastic:
 - a. ELS by Tremco or approved equal.
 - 2. Base Flashing adhesive:
 - a. ELS by Tremco or approved equal.
 - 3. BaseFlashing
 - a. Powerply Standard FR by Tremco or approved equal.
 - 4. Projection Flashing System:
 - a. Alphaguard Primer, Base Coat, Top Coat and Fiberglass Reinforcing Fabric by Tremco or approved equal.
 - 6. Sealants:
 - a. Drawband sealant:
 - 1) TremSEAL S by Tremco or approved equal.
 - 7. Walkway panels:
 - a. 3' x 4' x 1/2", granule surfaced, fiberglass reinforced asphalt pads
In Designated Areas.
 - 8. Coating of Mastic:
 - a. ICE coating by Tremco or approved equal.
 - 9. Elastomeric Wall Coating System.
 - a. Walltite F by Tremco or approved equal.

2.06 METAL FLASHINGS

- A. Surface mounted counterflashing (high walls)
 - 1. 24 gage galvanized steel.
- B. Lead flashings (drains only)
 - 1. ASTM B 29-79(1984), 4 lb. (1.82 kg.) sheet lead.

- C. Work shall be in accordance with Architectural Sheet Metal Manual, as issued by

Sheet Metal and Air Conditioning Contractor's National Association, Inc. (SMACNA).

- D. New roof drains shall be cast iron drain assemblies with cast iron drain dome.
- F. Edge Metal 24 gage kynar over 22 gage continuous cleat.
- G. Gutter: Seamless Aluminum Gutter and downspouts.

2.07 ROOF SYSTEM PERFORMANCE REQUIREMENTS:

Composite Base and 3-ply High Tensile BUR System Minimum Tensile / Tear Strength Requirements.

Composite Base: (1 Ply)	Tensile:	312 lbf. / in. MD	290 lbf. /in. XMD
	Tear:	540 lbf. / MD	558 lbf. / XMD
VI Glass Ply (2 Plies)	Tensile:	85 lbf./ in MD	85 lbf. /in XMD
120 Mil Modified Surfacing (1 Ply)	Tensile:	120 lbs / in MD	115 Lbf / in XMD

**ASTM D-2523 - ROOF SYSTEM TENSILE REQUIREMENTS:
(4 PLY HIGH TENSILE MODIFIED BUR SYSTEM)**

Machine Direction	602 lbf / in	ASTM D-2523
Cross Machine Direction	575 lbf / in	ASTM D-2523

PROJECTION FLASHING

One-Part, Moisture Triggered, Polyurethane Coating System:

EXCEEDS ASTM D7311

Dynamic Puncture Resistance	830 ft poundals (35J)	ASTM D 7311
Static Puncture Resistance	75 lbs (34 kg)	ASTM D 7311
Water Vapor Transmission	0.020 perm-in	ASTM D 7311
	5.16 g/m2 / day	
Accelerated Weathering 5,000 hrs	PASS- no cracking Or flaking	ASTM D 7311
Volume Solids	87-89%	ASTM D 2697
Weight Solids	88-90%	ASTM D 1644
VOC	< 35 g/l	ASTM D 3960
Viscosity	3,000 – 6,000 cp	ASTM D 2196

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify conditions as satisfactory to receive work.
- B. Do not begin roofing until all unsatisfactory conditions are corrected. Beginning work constitutes acceptance of conditions.
- C. Verify that work of other trades penetrating roof deck or requiring men and equipment to traverse roof deck has been approved by the City, manufacturer, and roofing contractor.
- D. Check projections, curbs, and deck for inadequate anchorage, foreign material, moisture or unevenness that would prevent quality and execution of new roofing system.

3.02 GENERAL WORKMANSHIP

- A. Substrate shall be free of foreign particles prior to laying roof membrane.
- B. Phased application is not permitted. All plies shall be completed each day.
- C. Traffic and equipment shall be kept off completed plies until adhesive has set.
- D. Wrapper and packaging materials shall not be included in roofing system.
- E. Entrapped aggregate shall not be permitted within new membrane. Discovery of entrapped aggregate is sufficient cause for rejection.
- F. Ply shall never touch ply, even at roof edges, laps, tapered edge strips, and cants.
- G. Fit plies into roof drain rims; install lead flashing and finishing plies; secure clamping collars; and install domes.
- H. Extend roofing membrane to top edge of cant at wall and projection bases.
- I. Cut out fishmouths at side laps which are not completely sealed and patch. Replace all sheets which are not fully and continuously bonded.
- J. Do Not exceed flash point of Type IV Asphalt. Contractor shall verify that Roof Kettle has an accurate Thermostat. Asphalt shall be applied within E.V.T. of Specified Adhesive.

3.03 PREPARATION

- A. Protection:
 - 1. Contractor shall be responsible for protection of property during course of work. Lawns, shrubbery, pavement areas, and buildings shall be protected from damage. Repair damage at no extra cost to the City.

2. Prior to commencing removal of debris, provide at the site, a dumpster or dump truck to be located adjacent to building as directed by the City.
3. Roofing, flashings, membrane repairs, and installation shall be installed and sealed in a watertight manner on same day of installation or before arrival of inclement weather.
4. At start of each work day, drains within daily work area shall be plugged. Plugs to be removed at end of each work day or before arrival of inclement weather.
5. Preparation work shall be limited to those areas that can be covered with installed roofing material on same day and before arrival of inclement weather.
6. Arrange work sequence to avoid use of newly constructed roofing for storage, walking surface, and equipment movement. Move equipment and ground storage areas as work progresses.
7. Protect building surfaces at set-up areas with tarpaulin. Secure tarpaulin. Remove dumpster from premises when full and empty at approved dumping or refuse area. Deliver empty dumpster to site for further use. Upon job completion, dumpster shall be removed from premises. Spilled or scattered debris shall be cleaned up immediately. Removed material to be disposed from roof as it accumulates.
8. At the end of each working day, removal area shall be sealed with water stops along edges to prevent water entry.
9. Provide clean plywood walkways and take other precautions required to prevent tracking of aggregate/debris from existing membrane into new work area where aggregate/debris pieces can be trapped within new roofing membrane. Contractor shall instruct and police workmen to ensure that aggregate/debris is not tracked into new work areas on workmen's shoes or equipment wheels. Discovery of entrapped aggregate/debris within new membrane is sufficient cause for its rejection.

B. Surface preparation:

1. **REMOVE EXISTING ROOFING AND FLASHINGS DOWN TO SUBSTRATE INSPECT WOOD DECK AND ADVISE CITY OF ANY DEFICIENCIES WHICH REQUIRE CORRECTION.**

3.04 INSULATION

- A. Loose lay rosin, mechanically fasten 25/32" asphalt coated wood fiber insulation with #1211 fasteners and 3" metal plates, 1 fastener every 2 square feet (16 per board).
- B. Install tapered perlite insulation in waterways and low spots to provide proper slope to

drain, set in Type IV hot asphalt.

3.05 ROOF SYSTEM APPLICATION

- A. Install composite base sheet over insulation, side laps 4" end laps 6" staggered, set in type IV Asphalt @ 22-25 lbs per square. Place base sheet so that water runs over and along , but never against laps. Install two (2) plies of ply sheet, shingle fashion. Overlap starter strips 19 inches with first ply, then overlap each succeeding ply 20 inches . Place ply sheets to ensure water will flow over or parallel to, but never against exposed edges.
- B. Use 18 and 36-inch wide plies to start and finish roof membrane along roof edges and terminations.
- C. Immediately after installation, broom and/or roll ply sheet. Ensure complete and continuous seal and contact between adhesive and felts, including ends, edges and laps without wrinkles, fishmouths, or blisters. Broom/roller width: 34 inches (860 mm) minimum.
- D. Apply uniform and continuous pressure to exposed edge and end laps to ensure complete adhesion.
- E. Avoid walking on plies until adhesive has set.
- F. Overlap previous day's work 24 inches (610 mm).
- G. Lap ply membrane ends 4 inches (100 mm). Stagger end laps 3 feet (910 mm) minimum.
- H. Embed each ply in a uniform and continuous application of Type IV Asphalt Application Rate: 22-25 lbs. per square.
- I. Install surfacing membrane in Powerply Cold Adhesive. Place plies so that water flows along and over, but never against laps. Apply in a continuous application of surfacing membrane adhesive @ 2 gallons per square Broom membrane into place. Use extreme care so as not to track adhesive onto finished cap sheet membrane. Excessive tracking of adhesive will require clean up. Membrane shall be run perpendicular on slopes greater than 2/12 and backnailed to insulation stops / wood nailers.
- J. Surfacing Membrane Seams: Must be hot air welded with Bitumat B2 Hot Air welder by Leister or approved equal (no open flames). Hot Air Welder must have 3.5" wide heat nozzle to allow entire selvage to be seamed in one pass, Air Volume Control to reduce bitumen blow out form seam, and Seam Air Dam to prevent air from being blown back into the adhered sheet. Seams will be inspected for bleed out and probed to ensure a solid weld.

3.06 DAILY WATERSTOP/TIE-INS

- A. Remove embedded gravel/debris from top ply of felt along termination.
 - 1. Width: 18 inches (460 mm).
- B. Adhere 12 and 18-inch (305 and 460 mm) wide ply sheets from exposed deck to existing roofing with a continuous 1/16 inch (1.6 mm) 1.6 mm thick application of tie-off mastic. Glaze cut-off with surfacing mastic. Extend 18-inch (460 mm) wide felt 3 inches (80 mm) either side 12-inch (305 mm) felt.
- C. Install “deadman” insulation filler at insulation staggers.
- D. Extend roofing system at least 12 inches (305 mm) onto prepared area of adjacent roofing. Seal edge with 6 inches (150 mm) wide reinforcing membrane embedded between alternate courses of tie-off mastic.
- E. At beginning of next day’s work, remove temporary connection by cutting felts evenly along edge of existing roof system. Remove “deadman” insulation fillers.

3.07 FLASHINGS

- A. General flashing requirements:
 - 1. Flashing membrane.:
 - a. Adhere ply sheet and flashing membrane completely to flashing surface, cant, and roofing with flashing adhesive.
 - b. Ensure complete bond and continuity without wrinkles or voids. Lap sheeting ends 4 inches (100 mm). width: Sufficient to extend at least 6 inches (150 mm) beyond toe of cant onto new roof.
 - c. Nail off top edge 8” on center and seal with mastic 3 course and re-install existing counterflashing or install new surface mounted counterflashing on designated high walls.
 - 2. Two-ply stripping for metal flanges:
 - a. Set flange in asphalt mastic. Seal flange with two (2) composite stripping plies embedded between alternate applications of stripping adhesive/bitumen. Extend first ply 4 inches (100 mm) beyond flange; second ply 2 inches (50 mm) beyond first ply.
- B. At wood curb flashings:
 - 1. Remove mechanical equipment from curb.
 - 2. Install new roofing to top edge of cant. Nail 8 inches (200 mm) o.c. with spiral or annular nails, with a 1-inch (25 mm) cap.

3. Install elastomeric base flashing described in general flashing requirements section.
4. Secure top edge of flashing to substrate with spiral or annular shank nails, with a 1-inch (2.54 cm) cap, 8 inches (20.3 cm) o.c
5. Reinstall mechanical equipment onto curb. Refasten and Reconnect.

D. AT ALL ROOF PROJECTION FLASHINGS:

1. Mastic seal around base of projections with asphalt mastic before installation of surfacing cap sheet, after installation of surfacing cap sheet:
2. Prime cap sheet with Alphaguard re-prime at 200-400 square feet per gallon, clean metal projections and prime with Alphaguard metal prime at 200-400 square feet per gallon.
3. Install Alphaguard Base coat @ 3 gallons per square around base of projection and 8" up projection.
4. Embed 1 layer of fiberglass reinforcing membrane, fully saturate and top coat, no pinholes or exposed fibers.
5. Install Alphaguard Top coat at 2 gallons per square.
6. Touch up any voids / pinholes / exposed fibers shall require sanding to smooth and then coat over.
7. Install per manufacturer's warranty detail requirements.

G. At roof drains:

1. Remove and replace all roof drains with new cast iron drain assemblies with cast iron clamping ring and domes, properly tie into existing drain lines.
2. Plug drain to prevent water entry until service connection is completed.
3. Prime the bottom side of the lead flashing.
4. Apply 1/16 inch (1.6 mm) uniformly thick layer of asphalt mastic to surface receiving lead flashing.
5. Set single piece lead flashing in mastic centered over drain; extend lead 6 inches (150 mm) beyond drain rim. Neatly dress lead with wood block.
6. Clamp flashing collar to drain in bed of mastic.
7. Neatly cut lead/felts within drain at rim. Lead to extend 1 inch (25 mm) into bowl.
8. Prime lead with asphalt primer.
9. Install two (2)-ply stripping described in general flashing requirements section. Stripping shall not extend under clamping ring.

10. Ensure new drains are properly tied into service lines and properly secured to deck.

3.08 WALKWAYS

- A. Install walkway panels at roof access locations, crossovers and adjacent to service areas on A.C. Units.
 1. Adhere walkway panels, spot in mastic adhesive over completed gravel surfacing.

3.09 PARAPET WALL WATERPROOFING APPLICATION

- A. Surface Preparation- Elastomeric Masonry Wall Coating:
 1. Prime all affected surfaces to receive the pigmented waterproofing materials with the appropriate Masonry Primer; application rate at approximately 250 to 300 sq. ft. per gallon. Actual coverage will vary depending upon surface porosity. This will be the inside of the parapet wall and the top surface, no exposed ornamentation, exterior walls, or tower walls will be sealed.
- B. Surface Application - Elastomeric Masonry Wall Coating:
 1. Precautions: Elastomeric Masonry Wall Coatings requires complete evaporation of water to cure. Cool temperatures and high humidities retard cure.
 - a. Do not apply if weather conditions will not permit complete cure before rain or dew.
 - b. Do not apply in the late afternoon if high moisture condensation can appear during the night.
- C. Application Data - Elastomeric Masonry Wall Coating:
 1. The Elastomeric Masonry Wall Coating application must be applied in two separate coats to insure proper film build and cure rate and a pinhole free continuous film.
 2. Masonry surfaces may be sprayed with multi-directional spray passes to assure coverage. However, roller application is the preferred application technique.
 3. Apply the second coat in perpendicular direction to the first coat after the First coat is dry. All surfaces must be uniformly coated and free from voids, pinholes, or blisters.
 4. Elastomeric Masonry Wall Coating applied in a 2 coat application, at a coverage rate of approximately 75 to 80 square feet per gallon per coat, to achieve a thickness of not less than 9 mils per coat. Coverage rates may vary due to the porosity of the existing surfaces.

3.10 GENERAL NOTES TO SCOPE OF WORK

- A. Prior to application of coatings, all structural cracks should be routed out and filled with suitable joint backing under 35% minimum compression, re-caulked, tooled flush with surrounding surface and a floating slip joint formed with bond breaker tape and additional caulking should be installed over the cracks. All non structural cracks shall be filled with approved quick set mortar to provide flat surface for wall coating system.

3.11 ADJUSTING AND CLEANING

A. Repair of deficiencies:

1. Installations of details noted as deficient during final inspection must be repaired and corrected by applicator and made ready for reinspection within five (5) working days.

B. Clean-up:

1. Immediately upon completion, roof membrane and flashing surfaces shall be cleaned of debris. Clean gutters and downspouts of debris.

END OF SECTION

**SECTION 076000
FLASHING AND SHEET METAL**

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to work of this Section.

1.02 SUMMARY

- A. This Section includes the following:
 - 1. Metal counterflashing and base flashing.
 - 2. Metal wall flashing and expansion joints.
 - 3. Built-in metal valley, gutters, and scuppers.
 - 4. Gutters and downspouts.
 - 5. Exposed metal trim/fascia units.
 - 6. Miscellaneous sheet metal accessories.
 - 7. Laminated and composition flashing.
 - 8. Elastic flashing.
 - 9. Sheet metal ducts.
- B. Roofing accessories installed integral with roofing membrane are specified in this section and installed in coordination with roofing work.

1.03 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. Shop drawings showing layout, profiles, methods of joining, and anchorage's details, including major counterflashings, trim/fascia units, gutters, downspouts, scuppers, and expansion joint systems. Provide layouts at 1/4-inch scale and details at 3-inch scale.

1.04 PROJECT CONDITIONS

- A. Coordinate work of this section with interfacing and adjoining work for proper sequencing of each installation. Ensure best possible weather resistance and durability of work and protection of materials and finishes.

PART 2 - PRODUCTS

2.01 SHEET METAL FLASHING AND TRIM MATERIALS

- A. Zinc-Coated Steel: Commercial quality with 0.20 percent copper, ASTM A 526 except ASTM A 527 for lock-forming, G90 hot-dip galvanized, mill phosphatized where indicated for painting; 0.0359-inch thick (20 gauge) except as otherwise indicated.

- B. Copper: ASTM B 370; temper H00 (cold-rolled) except where temper 060 is required for forming; 16 oz. (0.0216-inch thick) except as otherwise indicated.
 - 1. Provide lead coating of 0.06 psf on exposed copper surfaces.
- C. Lead: ASTM B 749, Type L51121, copper-bearing sheet lead, minimum 4 lbs./sq. ft. (0.0625-inch thick) except not less than 6 lbs/sq. ft. (0.0937-inch thick) for burning (welding) unless otherwise indicated.

2.02 MISCELLANEOUS COMPONENTS

- A. Fasteners: Same metal as flashing/sheet metal or other non-corrosive metal as recommended by sheet manufacturer. Match finish of exposed heads with material being fastened.
- B. Bituminous Coating: SSPC - Paint 12, solvent-type bituminous mastic, nominally free of sulfur, compounded for 15-mil dry film thickness per coat.
- C. Mastic Sealant: Polyisobutylene; non-hardening, non-skinning, non-drying, non-migrating sealant.
- D. Elastomeric Sealant: Generic type recommended by manufacturer of metal and fabricator of components being sealed and complying with requirements for joint sealants indicated.
- E. Adhesives: Type recommended by flashing sheet manufacturer for waterproof/weather-resistant seaming and adhesive application of flashing sheet.
- F. Paper Slip Sheet: 5-lb. rosin-sized building paper.
- G. Polyethylene Underlayment: Minimum 6-mil carbonated polyethylene film resistant to decay when tested in accordance with ASTM E 154.
- H. Metal Accessories: Provide sheet metal clips, straps, anchoring devices, and similar accessory units as required for installation of work, matching or compatible with material being installed, non-corrosive, size and gauge required for performance.
- I. Cast-Iron Drainage Boots: Gray iron castings of size and pattern indicated, ASTM A 48, bituminous shop-coated.
- J. Gutter and Conductor-Head Guards: 20-gauge bronze or non-magnetic stainless steel mesh or fabricated units, with selvage edges and non-corrosive fasteners. Select materials for compatibility with gutters and downspouts.
- K. Elastic Flashing Filler: Closed-cell polyethylene or other soft closed-cell material recommended by elastic flashing manufacturer as filler under flashing loops to ensure movement with minimum stress on flashing sheet.
- L. Roofing Cement: ASTM D 2822, asphaltic.

2.03 FABRICATED UNITS

- A. General Metal Fabrication: Shop-fabricate work to greatest extent possible. Comply with details shown and with applicable requirements of SMACNA “Architectural Sheet Metal Manual” and other recognized industry practices. Fabricate for waterproof and weather-resistant performance, with expansion provisions for running work, sufficient to permanently prevent leakage, damage, or deterioration of the work. Form work to fit substrates. Comply with material manufacturer instructions and recommendations for forming material. Form exposed sheet metal work without excessive oil-canning, buckling, and tool marks, true to line and levels indicated, with exposed edges folded back to form hems.
- B. Seams: Fabricate non-moving seams in sheet metal with flat-lock seams. For metal other than aluminum, tin edges to be seamed, form seams, and solder. Form aluminum seams with epoxy seam sealer; rivet joints for additional strength where required.
- C. Expansion Provisions: Where lapped or bayonet-type expansion provisions in work cannot be used or would not be sufficiently water/weatherproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with mastic sealant (concealed within joints).
- D. Sealant Joints: Where movable, non-expansion type joints are indicated or required for proper performance of work, form metal to provide for proper installation of elastomeric sealant, in compliance with SMACNA standards.
- E. Separations: Provide for separation of metal from non-compatible metal or corrosive substrates by coating concealed surfaces at locations of contact, with bituminous coating or other permanent separation as recommended by manufacturer/fabricator.
- F. Shop Finish, Rain Drainage: Remove oil and debris from all copper rain drainage units (gutters, downspouts, and similar exposed units); clean as needed to provide installation of uniform, clean, shiny, and neat appearance.

2.04 ELASTIC EXPANSION JOINTS

- A. General: Provide factory-fabricated units of size and profile indicated, complete with prefabricated corner units, intersection units, and splicing materials. Provide complete with elastic sheet flashing forming the primary joint membrane, in a supported, “bellows” arrangement designed for securing to both sides of expansion joints. Underside of bellows insulated with adhesive-applied, flexible, closed-cell rubber or plastic not less than 3/8-inch thick.
- B. Type: Metal flanged edges, 3 to 4 inches wide, formed to profiles as indicated to fit curbs and designed for nailing to curb substrate. Provide metal flanges in the following thickness:
 - 1. Zinc-coated steel: 0.0179 inch (26 gauge).
 - 2. Copper: 16 oz.
 - 3. Stainless Steel: 0.0187 inch (26 gauge).
 - 4. Aluminum: 0.032 inch.

PART 3 - EXECUTION

3.01 INSTALLATION REQUIREMENTS

- A. General: Except as otherwise indicated, comply with manufacturer's installation instructions and recommendations and with SMACNA "Architectural Sheet Metal Manual." Anchor units of work securely in place by methods indicated, providing for thermal expansion of metal units; conceal fasteners where possible, and set units true to line and level as indicated,. Install work with laps, joints, and seams that will be permanently watertight and weatherproof.
- B. Underlayment: Where stainless steel or aluminum is to be installed directly on cementitious or wood substrates, install a slip sheet of red rosin paper and a course of polyethylene underlayment.
- C. Bed flanges of work in a thick coat of bituminous roofing cement where required for waterproof performance.
- D. Install elastic flashing in accordance with manufacturer's recommendations. Where required, provide for movement at joints by forming loops or bellows in width of flashing. Locate cover of filler strips at joints to facilitate complete drainage of water from flashing. Seam adjacent flashing sheets with adhesive, seal and anchor edges in accordance with manufacturer's recommendations.
- E. Nail flanges of expansion joint units to curb nailers, at maximum spacing of 6 inches o.c. Fabricate seams at joints between units with minimum 3-inch overlap, to form a continuous, waterproof system.

3.02 CLEANING AND PROTECTION

- A. Clean exposed metal surfaces, removing substances that might cause corrosion of metal or deterioration of finishes.
- B. Protection: Advise Contractor of required procedures for surveillance and protection of flashings and sheet metal work during construction to ensure that work will be without damage or deterioration other than natural weathering at time of Substantial Completion.

END OF SECTION 076000

SECTION 077110

GUTTERS AND DOWNSPOUTS

GENERAL

SUMMARY

Section Includes:

Galvanized steel gutters and downspouts, with expansion joints.
Downspout collectors.
Conductor heads.

Related Sections:

Section 07620 - Sheet Metal Flashings and Trim.
Section 07900 - Joint Sealers.
Section 09900 - Paints and Coatings: Field painting of metal surfaces.

REFERENCES

The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.

ASTM International (ASTM):

ASTM A 123 - Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
ASTM A 283 - Low and Intermediate Tensile Strength Carbon Steel Plates.
ASTM A 653 - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

Sheet Metal and Air Conditioning Contractors National Association (SMACNA):
Architectural Sheet Metal Manual.

Steel Structures Painting Council (SSPC):

SSPC - Paint 12 - Cold-Applied Asphalt Mastic (Extra Thick Film).

QUALITY ASSURANCE

Nominal sizing of components for rainfall intensity determined by a storm occurrence of 1 in 5 years shall be as indicated on Drawings.

DELIVERY, STORAGE AND HANDLING

Stack preformed materials to prevent twisting, bending, or abrasion, and to aid ventilation. Slope to drain.

Prevent contact with materials during storage which may cause discoloration, staining, or damage.

PRODUCTS

MATERIALS

Galvanized Steel Sheet: ASTM A 653 Structural Quality, Grade 33, G90 zinc coating.

Galvanized Steel Plate: ASTM A 283, Grade A; hot-dipped galvanized G90 coating complying with ASTM A123.

COMPONENTS

Hanging Gutters: Fabricate to cross section indicated, complete with end pieces, outlet tubes, and other accessories as required. Fabricate in minimum 96-inch long sections. Furnish flat-stock gutter spacers and gutter brackets fabricated from same metal as gutters, of size recommended by SMACNA but not less than twice the gutter thickness. Fabricate expansion joints, expansion-joint covers, and gutter accessories from same metal as gutters. SMACNA rectangular profile, Figure 1-2, Style D, gauge as follows:

12"x 12": 22 gauge.

8"x 8": 22 gauge.

5"x 5": 24 gauge.

4"x 4": 24 gauge.

Downspouts: 22 gauge; SMACNA rectangular. Fabricate downspouts complete with mitered elbows. Furnish with metal hangers, from same material as downspouts, and anchors. Downspouts shall be fully enclosed profile, Figure 1-32B.

Conductor Head: SMACNA Figure 1-25F.

ACCESSORIES

Gutter Brackets: Galvanized steel plate, 3/16 inch thick by 2 inches wide bent plate.

Gutter Spacer Clip: Galvanized steel sheet, gauge to match gutter.

Gutter Strap: Galvanized steel sheet size and spacing as shown.

Downspout/Gutter Connections: SMACNA rectangular profile, Figure 1-33B, Detail 1, gauge to match gutter.

Downspout Straps: Galvanized steel sheet; 20 gauge, SMACNA Figure 1-35G.

Bituminous Coating: SSPC - Paint 12, solvent-type bituminous mastic, nominally free of sulfur, compounded for 15 mil dry film thickness per coat.

Sealant: Specified in Section 07900.

Splash Blocks (if indicated on Drawings): Precast concrete units, minimum 3000 psi at 28 days, with 5 percent air entrainment, size and profile to suit application.

Downspout Collectors (if indicated on Drawings): Pipe material, sizes, connections, dimensions and profiles to suit downspouts and underground storm drainage system as indicated on drawings.

FABRICATION

Form gutters and downspouts of size indicated on Drawings.

Fabricate in accordance with SMACNA details unless otherwise shown.

Provide gutter spacers at spacing shown. Fasten to front and back of gutter.

Field measure site conditions prior to fabricating work.

Form sections square, true, and accurate in size, in maximum possible lengths and free of distortion or defects detrimental to appearance or performance. Allow for expansion at joints.

Hem exposed edges of metal.

Field Finishing: Field paint gutter, downspouts, and accessories surfaces exposed to view from ground surface. Paint in accordance with Section 09900.

EXECUTION

EXAMINATION

Verify that surfaces are ready to receive work and conditions are acceptable.

Verify surfaces behind gutters and downspouts are painted prior to installation. Gutters, downspouts, and conductor heads shall not be in place while surfaces behind such items are being painted.

Beginning of installation indicates acceptance of existing conditions and substrate.

INSTALLATION

Install gutters, brackets, and accessories in accordance with SMACNA Figure 1-12 and as shown on the Drawings.

Install gutters level without sags or dips to prevent ponding.

Gutter Brackets: Space alternately with gutter spacers at 36 inches on center.

Attachment to Masonry: Anchor to masonry bond beam as shown. Space anchor bolts minimum of 3 inches apart.

Attachment to Steel: Weld to steel tube section with 3/16 inch by 2 inches fillet weld, both sides of bracket. Begin weld at top of bracket.

Lap gutter joints 2 inches, set laps in bead of sealant, and rivet at 1 inch on center.

Provide lap type gutter expansion joint in accordance with SMACNA Figure 1-6. Locate joints at a maximum spacing of 40 feet with at least one expansion joints in each segment of gutter between ends and/or downspouts.

Install downspouts in accordance with SMACNA Figure 1-35A, space straps at 48 inches on center.

Install conductor heads and downspouts after application of exterior wall coating.

Apply bituminous coating on surfaces in contact with dissimilar materials including the following:
Dissimilar metals as defined in SMACNA Appendix A-3 and backside of conductor heads, gutters and downspouts.

Preservative treated wood.

END OF SECTION

**SECTION 081113
HOLLOW METAL DOORS AND FRAMES**

GENERAL

SUMMARY

Section Includes:

Standard hollow metal doors and frames.

SUBMITTALS

Product Data: For each type of product indicated.

Shop Drawings: Include elevations, door edge details, frame profiles, metal thicknesses, preparations for hardware, and other details.

Samples for Verification: For each type of exposed finish required.

Schedule: Prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings.

PRODUCTS

MANUFACTURERS

Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

Amweld Building Products, LLC.
Benchmark; a division of Therma-Tru Corporation.
Ceco Door Products; an Assa Abloy Group company.
Curries Company; an Assa Abloy Group company.
Deansteel Manufacturing Company, Inc.
Firedoor Corporation.
Fleming Door Products Ltd.; an Assa Abloy Group company.
Habersham Metal Products Company.
Kewanee Corporation (The).
Mesker Door Inc.
Pioneer Industries, Inc.
Security Metal Products Corp.
Steelcraft; an Ingersoll-Rand company.
Windsor Republic Doors.

MATERIALS

Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, CS, Type B; suitable for exposed applications.

Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, CS, Type B.

Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B; with minimum G60 (Z180) or A60 (ZF180) metallic coating.

Frame Anchors: ASTM A 591/A 591M, Commercial Steel (CS), 40Z (12G) coating designation; mill phosphatized.

For anchors built into exterior walls, steel sheet complying with ASTM A 1008/A 1008M or ASTM A 1011/A 1011M, hot-dip galvanized according to ASTM A 153/A 153M, Class B.

Inserts, Bolts, and Fasteners: Hot-dip galvanized according to ASTM A 153/A 153M.

Mineral-Fiber Insulation: ASTM C 665, Type I.

STANDARD HOLLOW METAL DOORS

General: Comply with ANSI/SDI A250.8.

Design: Flush panel.

Core Construction: Manufacturer's standard kraft-paper honeycomb, polystyrene, polyurethane, polyisocyanurate, mineral-board, or vertical steel-stiffener core.

Vertical Edges for Single-Acting Doors: Manufacturer's standard.

Top and Bottom Edges: Closed with flush or inverted 0.042-inch- (1.0-mm-) thick, end closures or channels of same material as face sheets.

Tolerances: SDI 117, "Manufacturing Tolerances for Standard Steel Doors and Frames."

Exterior Doors: Face sheets fabricated from metallic-coated steel sheet. Comply with ANSI/SDI A250.8 for level and model and ANSI/SDI A250.4 for physical performance level:

Level 2 and Physical Performance Level B (Heavy Duty), Model 1 (Full Flush).

STANDARD HOLLOW METAL FRAMES

General: Comply with ANSI/SDI A250.8.

Exterior Frames: Fabricated from metallic-coated steel sheet.

Fabricate frames with mitered or coped corners.

Fabricate frames as full profile welded unless otherwise indicated.

Frames for Level 2 Steel Doors: 0.053-inch- (1.3-mm-) thick steel sheet.

Interior Frames: Fabricated from cold-rolled steel sheet.

Fabricate frames with mitered or coped corners.

Fabricate frames as full profile welded unless otherwise indicated.

Frames for Level 2 Steel Doors: 0.053-inch- (1.3-mm-) thick steel sheet.

Frames for Wood Doors: 0.053-inch- (1.3-mm-) thick steel sheet.

Hardware Reinforcement: ANSI/SDI A250.6.

FRAME ANCHORS

Jamb Anchors:

Stud-Wall Type: Designed to engage stud, welded to back of frames; not less than 0.042 inch (1.0 mm) thick.

STOPS AND MOLDINGS

Terminated Stops: Where indicated, terminate stops 6 inches (152 mm) above finish floor with a 90-degree angle cut, and close open end of stop with steel sheet closure. Cover opening in extension of frame with welded-steel filler plate, with welds ground smooth and flush with frame.

LOUVERS

Provide 12"x18" sightproof louvers with insect screens for interior doors, where indicated, that comply with SDI 111C, with blades or baffles formed of 0.020-inch- (0.5-mm-) thick, cold-rolled steel sheet set into 0.032-inch- (0.8-mm-) thick steel frame.

FABRICATION

Tolerances: Fabricate hollow metal work to tolerances indicated in SDI 117.

Hollow Metal Doors:

Exterior Doors: Provide weep-hole openings in bottom of exterior doors. Seal joints in top edges of doors against water penetration.

Hollow Metal Frames: Where frames are fabricated in sections, provide alignment plates or angles at each joint, fabricated of same thickness metal as frames.

Welded Frames: Weld flush face joints continuously; grind, fill, dress, and make smooth, flush, and invisible.

Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.

Floor Anchors: Weld anchors to bottom of jambs and mullions with at least four spot welds per anchor.

Jamb Anchors: Provide number and spacing of anchors as follows:

Stud-Wall Type: Locate anchors not more than 18 inches (457 mm) from top and bottom of frame. Space anchors not more than 32 inches (813 mm) o.c. and as follows:

Three anchors per jamb up to 60 inches (1524 mm) high.

Four anchors per jamb from 60 to 90 inches (1524 to 2286 mm) high.

Five anchors per jamb from 90 to 96 inches (2286 to 2438 mm) high.

Five anchors per jamb plus 1 additional anchor per jamb for each 24 inches (610 mm) or fraction thereof above 96 inches (2438 mm) high.

Two anchors per head for frames more than 42 inches (1066 mm) wide and mounted in metal-stud partitions.

Door Silencers: Except on weather-stripped doors, drill stops to receive door silencers.

Single-Door Frames: Three door silencers.

Double-Door Frames: Two door silencers.

Hardware Preparation: Factory prepare hollow metal work to receive templated mortised hardware according to the Door Hardware Schedule and templates furnished as specified in Division 08 Section "Door Hardware."

Locate hardware as indicated, or if not indicated, according to ANSI/SDI A250.8.

Reinforce doors and frames to receive nontemplated, mortised and surface-mounted door hardware.

Comply with applicable requirements in ANSI/SDI A250.6 and ANSI/DHI A115 Series specifications for preparation of hollow metal work for hardware.

Coordinate locations of conduit and wiring boxes for electrical connections with Division 26 electrical Sections.

STEEL FINISHES

Prime Finish: Apply manufacturer's standard primer immediately after cleaning and pretreating.

Shop Primer: ANSI/SDI A250.10.

EXECUTION

INSTALLATION

Hollow Metal Frames: Comply with ANSI/SDI A250.11.

Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces, leaving surfaces smooth and undamaged.

Where frames are fabricated in sections because of shipping or handling limitations, field splice at approved locations by welding face joint continuously; grind, fill, dress, and make splice smooth, flush, and invisible on exposed faces.

Install door silencers in frames before grouting.
Remove temporary braces necessary for installation only after frames have been properly set and secured.
Check plumbness, squareness, and twist of frames as walls are constructed. Shim as necessary to comply with installation tolerances.

Installation Tolerances: Adjust hollow metal door frames for squareness, alignment, twist, and plumb to the following tolerances:

Squareness: Plus or minus 1/16 inch (1.6 mm), measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.

Alignment: Plus or minus 1/16 inch (1.6 mm), measured at jambs on a horizontal line parallel to plane of wall.

Twist: Plus or minus 1/16 inch (1.6 mm), measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.

Plumbness: Plus or minus 1/16 inch (1.6 mm), measured at jambs at floor.

Hollow Metal Doors: Fit hollow metal doors accurately in frames, within clearances specified below. Shim as necessary.

Non-Fire-Rated Standard Steel Doors:

Jambs and Head: 1/8 inch (3 mm) plus or minus 1/16 inch (1.6 mm).

Between Edges of Pairs of Doors: 1/8 inch (3 mm) plus or minus 1/16 inch (1.6 mm).

Between Bottom of Door and Top of Threshold: Maximum 3/8 inch (9.5 mm).

Between Bottom of Door and Top of Finish Floor (No Threshold): Maximum 3/4 inch (19 mm).

ADJUSTING AND CLEANING

Final Adjustments: Check and readjust operating hardware items immediately before final inspection. Leave work in complete and proper operating condition. Remove and replace defective work, including hollow metal work that is warped, bowed, or otherwise unacceptable.

Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying, rust-inhibitive primer.

Metallic-Coated Surfaces: Clean abraded areas and repair with galvanizing repair paint according to manufacturer's written instructions.

END OF SECTION 081113

SECTION 087100 DOOR HARDWARE

GENERAL

SUMMARY

This Section includes the following:

- Commercial door hardware.
- Cylinders for doors specified in other Sections.

See Division 08 door sections for astragals and door silencers.

SUBMITTALS

Product Data: For each type of product indicated.

Samples: For each exposed finish.

Product certificates.

Other Action Submittals:

- Door Hardware Sets: Prepared by or under the supervision of Installer, detailing fabrication and assembly of door hardware, as well as procedures and diagrams.

- Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.

- Content: Include the following information:

- Identification number, location, hand, and material of each door and frame.
- Type, style, function, size, quantity, and finish of each door hardware item.
- Include description and function of each lockset and exit device.
- Complete designations of every item required for each door or opening including name and manufacturer.
- Description of each electrified door hardware function, including location, sequence of operation, and interface with other building control systems.

- Keying Schedule: Prepared by or under the supervision of Installer detailing Owner's final keying instructions for locks.

QUALITY ASSURANCE

Installer Qualifications: An employer of workers trained and approved by lock manufacturer.

Installer's responsibilities include supplying and installing door hardware and providing a qualified Architectural Hardware Consultant available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.

Architectural Hardware Consultant Qualifications: A person who is currently certified by DHI as an Architectural Hardware Consultant and who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project.

Source Limitations: Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.

Keying Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination." Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system.

Preinstallation Conference: Conduct conference at Project site.

COORDINATION

Templates: Distribute door hardware templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

WARRANTY

Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

Warranty Period: Three years from date of Substantial Completion, except as follows:

Exit Devices: Two years from date of Substantial Completion.
Manual Closers: 10 years from date of Substantial Completion.

PRODUCTS

SCHEDULED DOOR HARDWARE

General: Provide door hardware for each door to comply with requirements in this Section and door hardware sets indicated in door and frame schedule.

Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and named manufacturers' products.

HINGES, GENERAL

Template Requirements: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template-produced units.

Hinge Base Metal: Unless otherwise indicated, provide the following:

Exterior Hinges: Stainless steel, with stainless-steel pin.

Interior Hinges: Stainless steel, with stainless-steel pin.

Nonremovable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for outswinging exterior doors.

Fasteners: Comply with the following:

Machine Screws: For metal doors and frames. Install into drilled and tapped holes.

Wood Screws: For wood doors and frames.

Screws: Phillips flat head; machine screws (drilled and tapped holes) for metal doors, wood screws for wood doors and machine screws for metal frames. Finish screw heads to match surface of hinges.

HINGES

Butts and Hinges: BHMA A156.1.

Template Hinge Dimensions: BHMA A156.7.

Available Manufacturers:

Baldwin Hardware Corporation (BH).

Bommer Industries, Inc. (BI).

Cal-Royal Products, Inc. (CRP).

Hager Companies (HAG).

Lawrence Brothers, Inc. (LB).

McKinney Products Company; an ASSA ABLOY Group company (MCK).

PBB, Inc. (PBB).

Stanley Commercial Hardware; Div. of The Stanley Works (STH).

CONTINUOUS HINGES AT EXTERIOR DOORS

Standard: BHMA A156.26, Grade 1-150.

General: Minimum 0.120-inch- (3.0-mm-) thick, hinge leaves with minimum overall width of 4 inches (102 mm); fabricated to full height of door and frame and to template screw locations; with components finished after milling and drilling are complete.

Fire Pins: Steel pins to hold labeled fire doors in place if required by tested listing.

Continuous, Barrel-Type Hinges: Hinge with knuckles formed around a pin that extends entire length of hinge.

Base Metal for Exterior Hinges: Stainless steel.

Available Manufacturers:

Hager Companies (HAG).

Markar Architectural Products, Inc.; a Subsidiary of Adams Rite Manufacturing Co. (MP).

McKinney Products Company; an ASSA ABLOY Group company (MCK).

Stanley Commercial Hardware; Div. of The Stanley Works (STH).

Zero International (ZRO).

LOCKS AND LATCHES, GENERAL

Accessibility Requirements: Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).

Latches and Locks for Means of Egress Doors: Comply with NFPA 101. Latches shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.

Lock Trim:

Levers: To be selected by Architect from manufacturer's full range to match owner's standards.

Dummy Trim: Match lever lock trim and escutcheons.

Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors.

Backset: 2-3/4 inches (70 mm), unless otherwise indicated.

Strikes: Manufacturer's standard strike with strike box for each latchbolt or lock bolt, with curved lip extended to protect frame, finished to match door hardware set.

OPERATING TRIM

Standard: BHMA A156.6.

Materials: Fabricate from stainless steel, unless otherwise indicated.

Available Manufacturers:

Burns Manufacturing Incorporated (BM).

Don-Jo Mfg., Inc. (DJO).

Forms + Surfaces (FS).

Hager Companies (HAG).

Hiawatha, Inc. (HIA).

IVES Hardware; an Ingersoll-Rand Company (IVS).
Rockwood Manufacturing Company (RM).
Trimco (TBM).

CLOSERS

Size of Units: Unless otherwise indicated, comply with manufacturer's written recommendations for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.

Surface Closers: BHMA A156.4, Grade 1 unless Grade 2 is indicated. Provide type of arm required for closer to be located on non-public side of door, unless otherwise indicated.

Available Manufacturers:

Arrow USA; an ASSA ABLOY Group company (ARW).
Corbin Russwin Architectural Hardware; an ASSA ABLOY Group company (CR).
DORMA Architectural Hardware; Member of The DORMA Group North America (DAH).
Dor-O-Matic; an Ingersoll-Rand Company (DOR).
LCN Closers; an Ingersoll-Rand Company (LCN).
Norton Door Controls; an ASSA ABLOY Group company (NDC).
Rixson Specialty Door Controls; an ASSA ABLOY Group company (RIX).
SARGENT Manufacturing Company; an ASSA ABLOY Group company (SGT).
Yale Commercial Locks and Hardware; an ASSA ABLOY Group company (YAL).

PROTECTIVE TRIM UNITS

Size: 1-1/2 inches (38 mm) less than door width on push side and 1/2 inch (13 mm) less than door width on pull side, by height specified in door hardware sets.

Metal Protective Trim Units: BHMA A156.6; beveled top and 2 sides; fabricated from material indicated in door hardware sets.

Material: 0.050-inch- (1.3-mm-) thick stainless steel.

Available Manufacturers:

American Floor Products Co., Inc. (AFP).
Baldwin Hardware Corporation (BH).
Burns Manufacturing Incorporated (BM).
Don-Jo Mfg., Inc. (DJO).
Hager Companies (HAG).
Hiawatha, Inc. (HIA).
IPC Door and Wall Protection Systems, Inc.; Div. of InPro Corporation (IPC).
IVES Hardware; an Ingersoll-Rand Company (IVS).
Pawling Corporation (PAW).
Rockwood Manufacturing Company (RM).
Trimco (TBM).

DOOR GASKETING

Standard: BHMA A156.22.

General: Provide continuous weather-strip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated or scheduled. Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.

Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

Gasketing Materials: ASTM D 2000 and AAMA 701/702.

Available Manufacturers:

Hager Companies (HAG).

M-D Building Products, Inc. (MD).

National Guard Products (NGP).

Pemko Manufacturing Co. (PEM).

Reese Enterprises (RE).

Sealeze; a unit of Jason Incorporated (SEL).

Zero International (ZRO).

MISCELLANEOUS DOOR HARDWARE

Auxiliary Hardware: BHMA A156.16, Grade 1 unless Grade 2 is indicated.

Available Manufacturers:

Baldwin Hardware Corporation (BH).

Cal-Royal Products, Inc. (CRP).

Don-Jo Mfg., Inc. (DJO).

Hager Companies (HAG).

Lawrence Brothers, Inc. (LB).

Rockwood Manufacturing Company (RM).

Stanley Commercial Hardware; Div. of The Stanley Works (STH).

Trimco (TBM).

FABRICATION

Base Metals: Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18. Do not furnish manufacturer's standard materials or forming methods if different from specified standard.

Fasteners: Provide screws according to commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.

Comply with NFPA 80 for fasteners of door hardware in fire-rated applications.

Finishes: BHMA A156.18, as indicated in door hardware sets.

EXECUTION

INSTALLATION

Steel Doors and Frames: Comply with DHI A115 Series. Drill and tap doors and frames for surface-applied door hardware according to ANSI A250.6.

Wood Doors: Comply with DHI A115-W Series.

Mounting Heights: Mount door hardware units at heights indicated as follows unless otherwise indicated or required to comply with governing regulations.

Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."

Custom Steel Doors and Frames: DHI's "Recommended Locations for Builders' Hardware for Custom Steel Doors and Frames."

Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 09 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.

Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

Spring Hinges: Adjust to achieve positive latching when door is allowed to close freely from an open position of 30 degrees.

Door Closers: Unless otherwise required by authorities having jurisdiction, adjust sweep period so that, from an open position of 70 degrees, the door will take at least 3

seconds to move to a point 3 inches (75 mm) from the latch, measured to the leading edge of the door.

DOOR HARDWARE SETS

- A. Refer to schedule on drawings.

END OF SECTION 087100

**SECTION 089000
LOUVERS AND VENTS**

GENERAL

SUMMARY

Section Includes:

Fixed, extruded-aluminum louvers.

See Division 08 Section "Hollow Metal Doors and Frames" for louvers in hollow-metal doors.

See Division 15 or 23 Sections for louvers that are a part of mechanical equipment.

PERFORMANCE REQUIREMENTS

Delegated Design: Design louvers, including comprehensive engineering analysis by a qualified professional engineer, using structural and seismic performance requirements and design criteria indicated.

Structural Performance: Louvers shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated without permanent deformation of louver components, noise or metal fatigue caused by louver blade rattle or flutter, or permanent damage to fasteners and anchors.

Wind Loads: Determine loads based on pressures as indicated on Drawings.

Wind Loads: Determine loads based on a uniform pressure of 20 lbf/sq. ft. (957 Pa), acting inward or outward.

Seismic Performance: Louvers, including attachments to other construction, shall withstand the effects of earthquake motions determined according to SEI/ASCE 7.

Design earthquake spectral response acceleration, short period (Sds) for Project is.
Component Importance Factor is 1.5.

Louver Performance Ratings: Provide louvers complying with requirements specified, as demonstrated by testing manufacturer's stock units identical to those provided, except for length and width according to AMCA 500-L.

SUBMITTALS

Product Data: For each type of product indicated.

For louvers specified to bear AMCA seal, include printed catalog pages showing specified models with appropriate AMCA Certified Ratings Seals.

Shop Drawings: For louvers and accessories. Include plans, elevations, sections, details, and attachments to other work. Show frame profiles and blade profiles, angles, and spacing.

Samples: For each type of metal finish required.

Delegated-Design Submittal: For louvers indicated to comply with structural and seismic performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

Product Test Reports: Based on tests performed according to AMCA 500-L.

PRODUCTS

MATERIALS

Aluminum Extrusions: ASTM B 221 (ASTM B 221M), Alloy 6063-T5, T-52, or T6.

Aluminum Sheet: ASTM B 209 (ASTM B 209M), Alloy 3003 or 5005 with temper as required for forming, or as otherwise recommended by metal producer for required finish.

Fasteners: Use types and sizes to suit unit installation conditions.

For fastening aluminum, use aluminum or 300 series stainless-steel fasteners.

For fastening galvanized steel, use hot-dip-galvanized steel or 300 series stainless-steel fasteners.

For fastening stainless steel, use 300 series stainless-steel fasteners.

For color-finished louvers, use fasteners with heads that match color of louvers.

Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187.

FABRICATION, GENERAL

Fabricate frames, including integral sills, to fit in openings of sizes indicated, with allowances made for fabrication and installation tolerances, adjoining material tolerances, and perimeter sealant joints.

Join frame members to each other and to fixed louver blades with fillet welds concealed from view unless otherwise indicated or size of louver assembly makes bolted connections between frame members necessary.

FIXED, EXTRUDED-ALUMINUM LOUVERS

Vertical Storm-Resistant Louver LV-1:

Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

Air Balance Inc.; a Mestek company.
Air Flow Company, Inc.
Aiolite Company, LLC (The).
All-Lite Architectural Products.
American Warming and Ventilating, Inc.; a Mestek company.
Arrow United Industries; a division of Mestek, Inc.
Cesco Products; a division of Mestek, Inc.
Construction Specialties, Inc.
Greenheck Fan Corporation.
Industrial Louvers, Inc.
Louvers & Dampers, Inc.; a division of Mestek, Inc.
NCA Manufacturing, Inc.
Nystrom Building Products.
Reliable Products, Inc.
Ruskin Company; Tomkins PLC.
United Enertech Corp.

Louver Depth: 6 inches (150 mm).

Frame and Blade Nominal Thickness: Not less than 0.060 inch (1.52 mm) for blades and 0.080 inch (2.03 mm) for frames.

Louver Performance Ratings:

Free Area: Not less than 8.0 sq. ft. (0.75 sq. m) for 48-inch- (1220-mm-) wide by 48-inch- (1220-mm-) high louver.

Air Performance: Not more than 0.10-inch wg (25-Pa) static pressure drop at 600-fpm (3.0-m/s) free-area exhaust velocity.

Wind-Driven Rain Performance: Not less than 99 percent effectiveness when subjected to a rainfall rate of 3 inches (75 mm) per hour and a wind speed of 29 mph (13 m/s)] at a core-area intake velocity of 300 fpm (1.5 m/s).

AMCA Seal: Mark units with AMCA Certified Ratings Seal.

LOUVER SCREENS

General: Provide screen at each exterior louver.

Louver Screen Frames: Same kind and form of metal as indicated for louver to which screens are attached.

Louver Screening:

Bird Screening: Aluminum, 1/2-inch- (13-mm-) square mesh, 0.063-inch (1.60-mm) wire.

ALUMINUM FINISHES

Color Anodic Finish: AAMA 611, AA-M12C22A42/A44, Class I, 0.018 mm or thicker.

EXECUTION

INSTALLATION

Locate and place louvers and vents level, plumb, and at indicated alignment with adjacent work.

Use concealed anchorages where possible. Provide brass or lead washers fitted to screws where required to protect metal surfaces and to make a weathertight connection.

Provide perimeter reveals and openings of uniform width for sealants and joint filers, as indicated.

Repair damaged finishes so no evidence remains of corrective work. Return items that cannot be refinished in the field to the factory and refinish entire unit or provide new units.

Protect galvanized and nonferrous-metal surfaces that will be in contact with concrete, masonry, or dissimilar metals from corrosion and galvanic action by applying a heavy coating of bituminous paint.

END OF SECTION 089000

**SECTION 092400
PORTLAND CEMENT PLASTERING**

GENERAL

SUMMARY

This Section includes the following:

Exterior portland cement plasterwork (stucco) on metal lath and solid plaster bases.

SUBMITTALS

Product Data: For each type of product indicated.

Samples: For each type of colored finish coat indicated; 12 by 12 inches (305 by 305 mm), and prepared on rigid backing.

PROJECT CONDITIONS

Comply with ASTM C 926 requirements.

Exterior Plasterwork: Apply plaster when ambient temperature is greater than 40 deg F (4.4 deg C).

PRODUCTS

MANUFACTURERS

In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, products specified.

Products: Subject to compliance with requirements, provide one of the products specified.

METAL LATH

Expanded-Metal Lath: ASTM C 847 with ASTM A 653/A 653M, G60 (Z180), hot-dip galvanized zinc coating.

Diamond-Mesh Lath: Self-furring.

Weight: 2.5 lb/sq. yd. (1.4 kg/sq. m).

Flat Rib Lath: Rib depth of not more than 1/8 inch (3.1 mm).

Weight: 2.75 lb/sq. yd. (1.5 kg/sq. m).

Wire-Fabric Lath:

Welded-Wire Lath: ASTM C 933; self-furring.

Weight: 1.4 lb/sq. yd. (0.8 kg/sq. m).

Woven-Wire Lath: ASTM C 1032; self-furring, with stiffener wire backing.

Weight: 1.1 lb/sq. yd. (0.6 kg/sq. m).

Paper Backing: FS UU-B-790, Type I Grade D, Style 2 vapor-permeable paper.

Provide paper-backed lath at exterior locations.

ACCESSORIES

General: Comply with ASTM C 1063 and coordinate depth of trim and accessories with thicknesses and number of plaster coats required.

Zinc and Zinc-Coated (Galvanized) Accessories:

Foundation Weep Scream: Fabricated from hot-dip galvanized steel sheet, ASTM A 653/A 653M, G60 (Z180) zinc coating.

Cornerite: Fabricated from metal lath with ASTM A 653/A 653M, G60 (Z180), hot-dip galvanized zinc coating.

G60 (Z180), hot-dip galvanized zinc coating.

Cornerbeads: Fabricated from zinc or zinc-coated (galvanized) steel.

Bull-nose style; use unless otherwise indicated.

Casing Beads: Fabricated from zinc or zinc-coated (galvanized) steel; square-edged style; with expanded flanges.

Control Joints: Fabricated from zinc or zinc-coated (galvanized) steel; one-piece-type, folded pair of unperforated screeds in M-shaped configuration; with perforated flanges and removable protective tape on plaster face of control joint.

Expansion Joints: Fabricated from zinc or zinc-coated (galvanized) steel; folded pair of unperforated screeds in M-shaped configuration; with expanded flanges.

Two-Piece Expansion Joints: Fabricated from zinc or zinc-coated (galvanized) steel; formed to produce slip-joint and square-edged reveal that is adjustable from 1/4-to-5/8-inch (6.34-to-16-mm) wide; with perforated flanges.

MISCELLANEOUS MATERIALS

Water for Mixing: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories.

Fiber for Base Coat: Alkaline-resistant glass or polypropylene fibers, 1/2 inch (13 mm) long, free of contaminants, manufactured for use in portland cement plaster.

Bonding Compound: ASTM C 932.

Steel Drill Screws: For metal-to-metal fastening, ASTM C 1002 or ASTM C 954, as required by thickness of metal being fastened; with pan head that is suitable for application; in lengths required to achieve penetration through joined materials of not fewer than three exposed threads.

Fasteners for Attaching Metal Lath to Substrates: Complying with ASTM C 1063.

Sound Attenuation Blankets: ASTM C 665, Type I (blankets without membrane facing), produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.

Isolation Strip at Exterior Walls:

Asphalt-Saturated Organic Felt: ASTM D 226, Type I (No. 15 asphalt felt), unperforated.

Foam Gasket: Adhesive-backed, closed-cell vinyl foam strips that allow fastener penetration without foam displacement, 1/8 inch (3.1 mm) thick, in width to suit steel stud size.

Available Products:

OSI Sealants, Inc.; Pro-Series, SC 175 Acoustical Sound Sealant Non-Flammable - Latex.

Pecora Corporation; AC-20 + Silicone.

Tremco Incorporated; Tremflex 834.

United States Gypsum Co.; SHEETROCK Acoustical Sealant.

PLASTER MATERIALS

Portland Cement: ASTM C 150, Type I.

Color for Finish Coats: White.

Lime: ASTM C 206, Type S; or ASTM C 207, Type S.

Sand Aggregate: ASTM C 897.

Color for Job-Mixed Finish Coats: In color matching existing stucco.

Ready-Mixed Finish-Coat Plaster: Mill-mixed portland cement, aggregates, coloring agents, and proprietary ingredients.

Available Products:

California Stucco Products Corp.; Conventional Portland Cement Stucco.
ChemRex; Thoro Stucco.
United States Gypsum Co.; Oriental Exterior Finish Stucco.

Color: As selected by City from manufacturer's full range.

Acrylic-Based Finish Coatings: Factory-mixed acrylic-emulsion coating systems, formulated with colorfast mineral pigments and fine aggregates; for use over portland cement plaster base coats. Include manufacturer's recommended primers and sealing topcoats for acrylic-based finishes.

Available Manufacturers:

Bonsal, W. R. Co.
ChemRex, SonoWall Stucco Systems
Dryvit Systems, Inc.
Parex Incorporated
Pleko Products, Inc.
Senenergy, Inc.
Sto Corp.
Stuc-O-Flex International, Inc.

Color: As selected by City from manufacturer's full range.

PLASTER MIXES

General: Comply with ASTM C 926 for applications indicated.

Fiber Content: Add fiber to base-coat mixes after ingredients have mixed at least two minutes. Comply with fiber manufacturer's written instructions for fiber quantities in mixes, but do not exceed 1 lb of fiber/cu. yd. (0.6 kg of fiber/cu. m) of cementitious materials. Reduce aggregate quantities accordingly to maintain workability.

Portland Cement Base-Coat Mixes:

Over Metal Lath: Scratch and brown coats for three-coat plasterwork as follows: (decreasing the proportion of lime in the mix produces a harder surface)

Scratch Coat: For cementitious material, mix 1 part portland cement and 0 to 3/4 parts lime. Use 2-1/2 to 4 parts aggregate per part of cementitious material (sum of separate volumes of each component material).

Brown Coat: For cementitious material, mix 1 part portland cement and 0 to 3/4 parts lime. Use 3 to 5 parts aggregate per part of cementitious material (sum of separate volumes of each component material).

Portland Cement Job-Mixed Finish-Coat Mixes: For cementitious materials, mix 1 part portland cement and 3/4 to 1-1/2 parts lime. Use 1-1/2 to 3 parts aggregate per part of cementitious material (sum of separate volumes of each component material).

Factory-Prepared Finish-Coat Mixes: For ready-mixed finish-coat plasters and acrylic-based finish coatings, comply with manufacturer's written instructions.

EXECUTION

PREPARATION

Protect adjacent work from soiling, spattering, moisture deterioration, and other harmful effects caused by plastering.

Prepare solid-plaster bases that are smooth or that do not have the suction capability required to bond with plaster according to ASTM C 926.

INSTALLATION, GENERAL

Sound Attenuation Blankets: Where required, install blankets before installing lath unless blankets are readily installed after lath has been installed on one side.

Acoustical Sealant: Where required, seal joints between edges of plasterwork and abutting construction with acoustical sealant.

INSTALLING METAL LATH

Expanded-Metal Lath: Install according to ASTM C 1063.

Partition Framing and Vertical Furring: Install woven-wire lath.

Flat-Ceiling and Horizontal Framing: Install woven-wire lath.

INSTALLING ACCESSORIES

Install according to ASTM C 1063 and at locations indicated on Drawings.

Reinforcement for External Corners:

Install lath-type external-corner reinforcement at exterior locations.

Control Joints: Install control joints as indicated on the drawings or in specific locations approved by the Architect for visual effect as follows.

As required to delineate plasterwork into areas (panels) of the following maximum sizes:

Vertical Surfaces: 144 sq. ft. (13.4 sq. m).

Horizontal and other Nonvertical Surfaces: 100 sq. ft. (9.3 sq. m).

Where control joints occur in surface of construction directly behind plaster.

Where plasterwork areas change dimensions, to delineate rectangular-shaped areas (panels) and to relieve the stress that occurs at the corner formed by the dimension change.

PLASTER APPLICATION

General: Comply with ASTM C 926.

Plaster Finish Coats: Apply to provide float finish to match Architect's sample.

Acrylic-Based Finish Coatings: Apply coating system, including primers, finish coats, and sealing topcoats, according to manufacturer's written instructions.

CUTTING AND PATCHING

Cut, patch, replace, and repair plaster as necessary to accommodate other work and to restore cracks, dents, and imperfections. Repair or replace work to eliminate blisters, buckles, crazing (check cracking), dry outs, efflorescence, sweat outs, and similar defects and where bond to substrate has failed.

END OF SECTION 092400

SECTION 09900 - PAINTING

PART 1 -GENERAL

1.1 SUMMARY

A. Section Includes:

1. Painting and finishing of exposed items and surfaces.
 - a. Specified surface preparation, priming and coats of paint are in addition to shop priming and surface treatment specified under other sections of work.
 - b. Painting and finishing includes field finishing of exterior and interior items not listed as "Surfaces Not To Be Painted" unless clearly indicated otherwise.
 - c. Painting and finishing includes field finishing of select shop finished items where indicated as required to match adjacent surfaces, such as mechanical grilles and registers.
 - d. Field paint exposed bare and covered pipes, ducts, and hangers, exposed steel and iron work, and primed metal surfaces of equipment installed under mechanical and electrical work in occupied spaces.

B. Related Sections:

1. Shop priming of ferrous metal items is included under various Specification sections.

C. Surfaces Not To Be Painted:

1. Prefinished items including finished metal surfaces.
2. Walls and ceilings in concealed areas and generally inaccessible areas.
3. Moving parts of operating mechanical and electrical units.
4. Labels: Keep equipment identification and fire rating labels free of paint.
5. Plastic smoke stops and weatherstripping at doors.

1.2 SUBMITTALS

A. **Product Data:** Submit manufacturer's technical information, including paint label analysis and application instructions for each material.

B. **Samples:** Submit samples for review of color and texture; provide list of material and application for each coat of each finish sample.

1. **Brush-Outs:** Provide a minimum of 3 samples of each color and material with texture to simulate actual conditions. on hardboard.

2. Field Samples: Duplicate painted finishes of approved samples on actual wall surfaces and components for approval prior to commencing work.
 - a. Size: Minimum 100 ft², located where approved.
 - b. Components: One full component as directed.
 - c. Simulate finished lighting conditions for review.
- C. Certificates: Furnish certificates from each manufacturer stating materials are top quality lines and suitable for intended use on this Project.

1.3 QUALITY ASSURANCE

- A. Regulatory Requirements: Furnish materials approved for use by applicable air quality management district for limitations of volatile organic compounds for architectural or special coatings as applicable.
- B. Mock-Ups: Provide a 4'-0" x 8'-0" mock-up of exterior wall painting. Do not proceed with exterior painting until mock-up has been reviewed and approved by Family Health Centers of San Diego.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to job site in original, new and unopened packages and containers bearing manufacturer's name and label, with:
 1. Name of material, color and sheen.
 2. Manufacturer's name, stock number and date of manufacture.
 3. Contents by volume, for major pigment and vehicle constituents.
 4. Thinning and application instructions.

1.5 SITE CONDITIONS

- A. Apply water-base paints when temperature of surfaces and surrounding air are between 50 and 90 degrees F.
- B. Apply solvent-thinned paints when temperature of surfaces and surrounding air are between 45 and 95 degrees F.
- C. Do not apply paint in rain, fog or mist; or when relative humidity exceeds 85 percent; or to damp or wet surfaces.
- D. Painting may be continued during inclement weather if areas to be painted are enclosed and heated within temperature limits specified.
- E. Provide additional temporary ventilation during interior application of paints to eliminate volatile organic compound (VOC) emissions from interior spaces as quickly as possible.

PART 2- PRODUCTS

2.1 MANUFACTURERS

- A. Dunn-Edwards Corp
- B. Substitutions: None will be accepted.

2.2 MATERIALS

- A. Definition: "Paint" as used herein means coating systems including primers, emulsions, enamels, stains, sealers and fillers, whether used as prime, intermediate or finish coats.
- B. Material Quality: Provide top line quality commercial grade (professional painter) paints; materials not bearing manufacturer's identification as a best-grade product shall not be acceptable.
 - 1. Primers: Provide premium grade primers recommended by paint manufacturer for substrates indicated and for finish systems specified.
 - 2. Undercoats and Barrier Coats: Provide undercoat paints produced by same manufacturer as finish coats; use only thinners approved by paint manufacturer, and use only within recommended limits.
 - 3. Finish Coats: Provide finish coats capable of being washed with mild detergent without loss of color, sheen, or pigments.
 - a. Color pigments: Pure, non-fading, applicable types to suit substrates and service indicated; no lead content permitted.
 - 4. Finish Coat Coordination: Provide finish coats which are compatible with prime paints, undercoats, and barrier coats used.
 - a. Review other Specification sections in which prime paints are provided; ensure compatibility of total coatings systems.
 - b. Upon request from other trades furnish information on characteristics of finish materials proposed for use.
 - c. Provide barrier coats over incompatible primers or remove and reprime as required.
 - d. Notify Architect in writing of any anticipated problems in use of specified coating systems with substrates primed by others.
- C. Colors and Finishes: Prior to commencement of painting work, Architect will furnish color chips for surfaces to be painted.
 - 1. Use of proprietary names in color selection is not intended to imply exclusion of equivalent products of other manufacturers unless otherwise noted.
 - 2. Final acceptance of colors by City will be from submitted.

- D. Volatile Organic Compound (VOC) Emissions: Select materials that generate least amount of pollution; consider pollution and volatile organic compound (VOC) emissions generated during manufacturing, transport, installation, use, and disposal.
 - 1. Use materials that conform to (VOC) guidelines.
 - 2. Avoid materials that can leach harmful chemicals into ground; do not allow potentially harmful chemicals to enter sewers nor storm drains.
 - 3. Select materials that can be reused or recycled and materials with significant percentage of recycled content; set specific recycled content percentages for individual materials; avoid materials difficult to recycle.

PART 3- EXECUTION

3.1 PREPARATION

- A. Inspection: Examine areas and conditions under which painting work is to be applied.
 - 1. Start of painting work indicates acceptance of surfaces and conditions of surfaces and conditions within any particular area.
 - 2. Where exposed items or surfaces are not specifically mentioned in Schedules, paint same as adjacent similar materials or areas.
 - 3. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to a durable paint film.
- B. Perform preparation and cleaning procedures in accordance with paint manufacturer's instructions and as specified for substrate condition.
 - 1. Existing Painted Finishes:
 - a. Clean existing painted surfaces and remove oil, grease, dust, stains, scale, efflorescence, mildew, mold, algae, blisters, and non-adhering paint.
 - b. Measure adhesion of existing paints using ASTM D3359 tape test; remove existing coatings not achieving minimum ratings of 9 to 10.
 - c. Feather edges of severely deteriorated paint where several coats are removed as part of cleaning, to provide smooth transition for new paint.
 - d. Fill holes, cracks, and defects and fill and sand smooth, ready for new paint finish.
- C. Remove hardware, accessories, and items in place and not to be painted, or provide protection prior to surface preparation and painting; after painting reinstall removed

- items.
- D. Clean surfaces before applying paint; remove oil and grease prior to mechanical cleaning; program cleaning so contaminants from cleaning process do not fall onto wet, newly painted surfaces, or leach into the ground.
 - E. Top and bottom of all doors to be sanded smooth, primed and painted.
 - F. Cementitious Materials: Prepare by removing efflorescence, chalk, dirt, grease, oils, and by roughening as required to remove glaze.
 - 1. Determine alkalinity and moisture content of surfaces to be painted.
 - 2. If surfaces are found to be sufficiently alkaline to cause blistering and burning of finish paint, neutralize before application of paint.
 - 3. Do not paint over surfaces where moisture content exceeds manufacturer's printed directions.
 - 4. Concrete Floors: Clean using a commercial solution of muriatic acid, or other etching cleaner prior to painting; flush floor with clean water to neutralize acid, and allow to dry before painting.
 - G. Ferrous Metals: Touch up shop-applied prime coats wherever damaged or bare, using same type of primer.
 - 1. Bare Surfaces: Clean surfaces that are not galvanized or shop-coated, of oil, dirt, loose mill scale and other foreign substances by solvent or mechanical cleaning.
 - 2. Galvanized Surfaces: Clean free of oil and surface contaminants, using non-petroleum based solvent; primer and touch-up primer to be zinc-rich primer.
 - H. Mix painting materials in accordance with manufacturer's directions.
 - I. Store materials in tightly covered containers; maintain containers used in storage, mixing and application of paint in a clean condition, free of foreign materials and residue.
 - J. Stir materials before application to produce mixture of uniform density, and stir as required during application; do not stir surface film into material, if necessary, strain material before using.

3.2 APPLICATION

- A. Apply paint in accordance with manufacturer's directions; use applicators and techniques best suited for substrate and type of material being applied.
 - 1. Apply additional coats when stains or blemishes show through final coat, until paint is a uniform finish, color and appearance.
 - 2. Provide extra attention to assure dry film thickness at corners and crevices is

equivalent to that of flat surfaces.

3. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces; paint surfaces behind permanently-fixed equipment and furniture with prime coat only.
 4. Paint interior surfaces of ducts, where visible through registers or grilles, with a flat, non specular black paint.
 5. Paint back sides of access panels and removable or hinged covers to match exposed surfaces.
 6. Finish doors on tops, bottoms and side edges same as faces.
 7. Sand lightly between each succeeding enamel and each varnish coat.
- B. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated or prepared for painting as soon as practicable after preparation.
1. Allow time between successive coatings to permit proper drying.
 2. Do not recoat until paint feels firm and does not deform or feel sticky under moderate thumb pressure.
- C. Minimum Coating Thickness: Apply materials at not less than manufacturer's recommended spreading rate, to establish a total dry film thickness as recommended by coating manufacturer.
- D. Prime Coats: Apply to items not previously primed; recoat primed and sealed surfaces where there is evidence of suction spots or unsealed areas in first coat.
- E. Finish Coats: Provide even texture; leave no laps, irregularity in texture, skid marks, or other surface imperfections.
1. Opaque Finishes: Provide opaque, uniform finish, color and coverage; cloudiness, spotting, holidays, brush marks, runs, sags, ropiness and other surface imperfections are not acceptable.
- F. Completed Work: Match approved samples for color, texture and coverage; remove, refinish or repaint work not accepted.

3.3 PAINTING SCHEDULE

- A. Exterior Work: Provide following paint systems.
1. Metal: Semigloss sheen.
 - a. 1st Coat: Touch-up primer, prime if none.
 - b. 2nd and 3rd Coat: Exterior alkyd or 100% acrylic enamel.

2. Concrete: Flat sheen.
 - a. 1st and 2nd Coat: Exterior acrylic latex emulsion.
 3. Plaster: Flat sheen.
 - a. 1st and 2nd Coat: Heavy body waterproof elastomeric acrylic coating.
 4. Traffic Line Paint: Manufacturer's standard sheen; colors as required by line or symbol; blue for handicapped parking spaces.
 - a. 1st and 2nd Coat: Water based acrylic/epoxy traffic line paint.
 5. Doors and casings will have no less than two (2) coats of finish.
- B. Interior Work: Provide following paint systems.
1. Gypsum Board Systems: Eggshell (satin) sheen at walls, flat sheen at ceilings.
 - a. 1st Coat: Universal primer.
 - b. 2nd and 3rd Coat: Interior latex or acrylic latex emulsion. The final coat must be hand applied and rolled off evenly.
 2. Metal: Semigloss sheen.
 - a. 1st Coat: Touch-up primer, prime if none.
 - b. 2nd and 3rd Coat: Alkyd or 100% acrylic enamel.
 3. Opaque Finished Wood: Semigloss sheen.
 - a. 1st Coat: Primer undercoat.
 - b. 2nd and 3rd Coat: Alkyd or 100% acrylic enamel.
 4. Concrete: Flat sheen.
 - a. 1st Coat: Primer sealer.
 - b. 2nd and 3rd Coat: Interior latex emulsion.
 5. Doors and casings will have no less than two (2) coats of finish. Top and bottom of doors shall also receive paint.
- C. Sheens: Comply with ASTM D523, reflectance of paint.
1. Flat: 1-10.
 2. Satin: 15-30.
 3. Eggshell: 30-45.
 4. Semigloss: 45-75.
 5. Gloss: 75-100.

3.4 CLEAN-UP, PROTECTION AND REPAIR

- A. Clean-Up: During progress of work, remove discarded paint materials, rubbish, cans and rags from site at end of each work day.
 - 1. Clean glass and paint-spattered surfaces immediately by proper methods of washing and scraping, using care not to scratch or damage finished surfaces.
- B. Protection: Protect work of other trades, whether to be painted or not; correct damage by cleaning, repairing or replacing, and repainting, as acceptable to Architect.
 - 1. Provide "Wet Paint" signs to protect newly-painted finishes.
 - 2. Remove temporary protective wrappings provided by others for protection of their work, after completion of painting operations.
- C. Repair: At completion of work of other trades, touch-up and restore damaged surfaces or defaced painted surfaces.

END OF SECTION 09900

SECTION 099123 INTERIOR PAINTING

GENERAL

SUMMARY

This Section includes surface preparation and the application of paint systems on the following interior substrates:

- Concrete.
- Wood.
- Gypsum board.

SUBMITTALS

Product Data: For each type of product indicated.

Samples: For each finish and for each color and texture required.

Product List: Printout of current "MPI Approved Products List" for each product category specified in Part 2, with the proposed product highlighted.

LEED Submittal:

Product Data for Credit EQ 4.2: For paints, including printed statement of VOC content and chemical components.

QUALITY ASSURANCE

MPI Standards:

Products: Complying with MPI standards indicated and listed in "MPI Approved Products List."

Preparation and Workmanship: Comply with requirements in "MPI Architectural Painting Specification Manual" for products and paint systems indicated.

Mockups: Apply benchmark samples of each paint system indicated and each color and finish selected to verify preliminary selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

Architect will select one surface to represent surfaces and conditions for application of each paint system specified in Part 3.

Wall and Ceiling Surfaces: Provide samples of at least 100 sq. ft. (9 sq. m).

Other Items: Architect will designate items or areas required.

Apply benchmark samples after permanent lighting and other environmental services have been activated.

Final approval of color selections will be based on benchmark samples.

If preliminary color selections are not approved, apply additional benchmark samples of additional colors selected by Architect at no added cost to City.

EXTRA MATERIALS

Furnish extra materials described below that are from same production run (batch mix) as materials applied and that are packaged for storage and identified with labels describing contents.

Quantity: Furnish an additional 5 percent, but not less than 1 gal. (3.8 L) of each material and color applied.

PRODUCTS

PAINT, GENERAL

Material Compatibility:

Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.

For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.

VOC Content of Field-Applied Interior Paints and Coatings: Provide products that comply with the following limits for VOC content, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24); these requirements do not apply to paints and coatings that are applied in a fabrication or finishing shop:

Flat Paints, Coatings, and Primers: VOC content of not more than 50 g/L.

Nonflat Paints, Coatings, and Primers: VOC content of not more than 150 g/L.

Anti-Corrosive and Anti-Rust Paints Applied to Ferrous Metals: VOC not more than 250 g/L.

Floor Coatings: VOC not more than 100 g/L.

Shellacs, Clear: VOC not more than 730 g/L.

Shellacs, Pigmented: VOC not more than 550 g/L.

Flat Topcoat Paints: VOC content of not more than 50 g/L.

Nonflat Topcoat Paints: VOC content of not more than 150 g/L.

Anti-Corrosive and Anti-Rust Paints Applied to Ferrous Metals: VOC not more than 250 g/L.

Floor Coatings: VOC not more than 100 g/L.

Shellacs, Clear: VOC not more than 730 g/L.

Shellacs, Pigmented: VOC not more than 550 g/L.

Primers, Sealers, and Undercoaters: VOC content of not more than 200 g/L.

Dry-Fog Coatings: VOC content of not more than 400 g/L.

Zinc-Rich Industrial Maintenance Primers: VOC content of not more than 340 g/L.

Pre-Treatment Wash Primers: VOC content of not more than 420 g/L.

Chemical Components of Field-Applied Interior Paints and Coatings: Provide topcoat paints and anti-corrosive and anti-rust paints applied to ferrous metals that comply with the following chemical restrictions; these requirements do not apply to paints and coatings that are applied in a fabrication or finishing shop:

Aromatic Compounds: Paints and coatings shall not contain more than 1.0 percent by weight of total aromatic compounds (hydrocarbon compounds containing one or more benzene rings).

Restricted Components: Paints and coatings shall not contain any of the following:

- Acrolein.
- Acrylonitrile.
- Antimony.
- Benzene.
- Butyl benzyl phthalate.
- Cadmium.
- Di (2-ethylhexyl) phthalate.
- Di-n-butyl phthalate.
- Di-n-octyl phthalate.
- 1,2-dichlorobenzene.
- Diethyl phthalate.
- Dimethyl phthalate.
- Ethylbenzene.
- Formaldehyde.
- Hexavalent chromium.
- Isophorone.
- Lead.
- Mercury.
- Methyl ethyl ketone.
- Methyl isobutyl ketone.
- Methylene chloride.
- Naphthalene.
- Toluene (methylbenzene).
- 1,1,1-trichloroethane.
- Vinyl chloride.

Colors: As selected by Architect from manufacturer's full range.

PRIMERS/SEALERS

Interior Latex Primer/Sealer: MPI #50.

VOC Content: E Range of E1.

Environmental Performance Rating: EPR 1

Wood-Knot Sealer: Sealer recommended in writing by topcoat manufacturer for use in paint systems indicated.

WOOD PRIMERS

Interior Latex-Based Wood Primer: MPI #39.

VOC Content: E Range of E1

Environmental Performance Rating: EPR 1

LATEX PAINTS

Institutional Low-Odor/VOC Latex (Flat): MPI #143 (Gloss Level 1).

VOC Content: E Range of E3.

Environmental Performance Rating: EPR 4

Institutional Low-Odor/VOC Latex (Low Sheen): MPI #144 (Gloss Level 2).

VOC Content: E Range of E3.

Environmental Performance Rating: EPR 4.5.

Institutional Low-Odor/VOC Latex (Semigloss): MPI #147 (Gloss Level 5).

VOC Content: E Range of E3.

Environmental Performance Rating: EPR 3

FLOOR COATINGS

Interior/Exterior Clear Concrete Floor Sealer (Water Based): MPI #99.

VOC Content: E Range of E1

EXECUTION

EXAMINATION

Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.

Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:

Concrete: 12 percent.

Wood: 15 percent.

Gypsum Board: 12 percent.

Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.

Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

PREPARATION AND APPLICATION

Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates indicated.

Clean substrates of substances that could impair bond of paints, including dirt, oil, grease, and incompatible paints and encapsulants.

Remove incompatible primers and reprime substrate with compatible primers as required to produce paint systems indicated.

Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

Painting Mechanical and Electrical Work: Paint items exposed in equipment rooms and occupied spaces including, but not limited to, the following:

Mechanical Work:

Uninsulated metal piping.

Uninsulated plastic piping.

Pipe hangers and supports.

Tanks that do not have factory-applied final finishes.

Visible portions of internal surfaces of metal ducts, without liner, behind air inlets and outlets.

Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.

Mechanical equipment that is indicated to have a factory-primed finish for field painting.

Electrical Work:

Switchgear.

Panelboards.

Electrical equipment that is indicated to have a factory-primed finish for field painting.

Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

INTERIOR PAINTING SCHEDULE

Concrete Substrates, Traffic Surfaces:

Water-Based Clear Sealer System: MPI INT 3.2G.

First Coat: Interior/exterior clear concrete floor sealer (water based).

Topcoat: Interior/exterior clear concrete floor sealer (water based).

Dressed Lumber Substrates: Including doors.

Institutional Low-Odor/VOC Latex System: MPI INT 6.3V.

Prime Coat: Interior latex-based wood primer.

Intermediate Coat: Institutional low-odor/VOC interior latex matching topcoat.

Topcoat: Institutional low-odor/VOC interior latex (semigloss).

Dimension Lumber Substrates, Nontraffic Surfaces: Including exposed beams.

Institutional Low-Odor/VOC Latex System: MPI INT 6.2L.

Prime Coat: Interior latex-based wood primer.

Intermediate Coat: Institutional low-odor/VOC interior latex matching topcoat.

Topcoat: Institutional low-odor/VOC interior latex (low sheen).

Gypsum Board Substrates:

Institutional Low-Odor/VOC Latex System: MPI INT 9.2M.

Prime Coat: Interior latex primer/sealer.

Intermediate Coat: Institutional low-odor/VOC interior latex matching topcoat.

Topcoat: Institutional low-odor/VOC interior latex (low sheen) and (semigloss).

END OF SECTION 099123

APPENDIX B
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

TO: RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422
 OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

FROM: CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT
1222 FIRST AVENUE, MS 501
SAN DIEGO, CA 92101

PROJECT NO.: WBS # B-00972 PROJECT TITLE: Balboa Park Municipal Gymnasium Roof Replacement

PROJECT LOCATION-SPECIFIC: The project is located at 2111 Pan American Plaza within Balboa Park.

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: The project will consist of the following scope of work: removal and replacement of approximately 27,000 square feet of built up roofing system of the Balboa Park Municipal Gymnasium, replacement of roof drains, and the demolition and replacement of Curtain walls to make building water tight and eliminate ponding areas on the roof. The project is designed to preserve the appearance of the historic character of the building.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, E&CP Dept/Jason Grani
600 B Street, Suite 800 (MS 908A)
San Diego, CA 92101
619 533-7525

EXEMPT STATUS: (CHECK ONE)

- MINISTERIAL (SEC. 21080(b)(1); 15268);
- DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
- CATEGORICAL EXEMPTION: 15301(A) (EXISTING FACILITIES)
- OTHER: 15331 (HISTORICAL RESOURCE RESTORATION/ REHABILITATION)

REASONS WHY PROJECT IS EXEMPT: This project qualifies for State CEQA Guideline § 15301(A), "Existing Facilities" for minor alteration, maintenance and repair of facilities involving no expansion of use and does not trigger any of the exceptions to categorical exemptions found in State CEQA Guideline § 15300.2. This project has been reviewed by the Historical Resources Board staff and determined to be consistent with the Secretary of the Interior Standards. This project qualifies for an exemption under section 15331, "Historical Resource Restoration/ Rehabilitation" for the repair, rehabilitation, and preservation of historic structures.

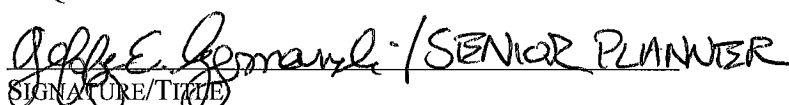
LEAD AGENCY CONTACT PERSON:

TELEPHONE: (619) 446-

IF FILED BY APPLICANT:

- 1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
- 2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
 YES NO

IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS DETERMINED THE ABOVE ACTIVITY TO BE EXEMPT FROM CEQA

 / SENIOR PLANNER
SIGNATURE/TITLE

NOVEMBER 28, 2012
DATE

CHECK ONE:

SIGNED BY LEAD AGENCY

DATE RECEIVED FOR FILING WITH COUNTY CLERK OR OPR:

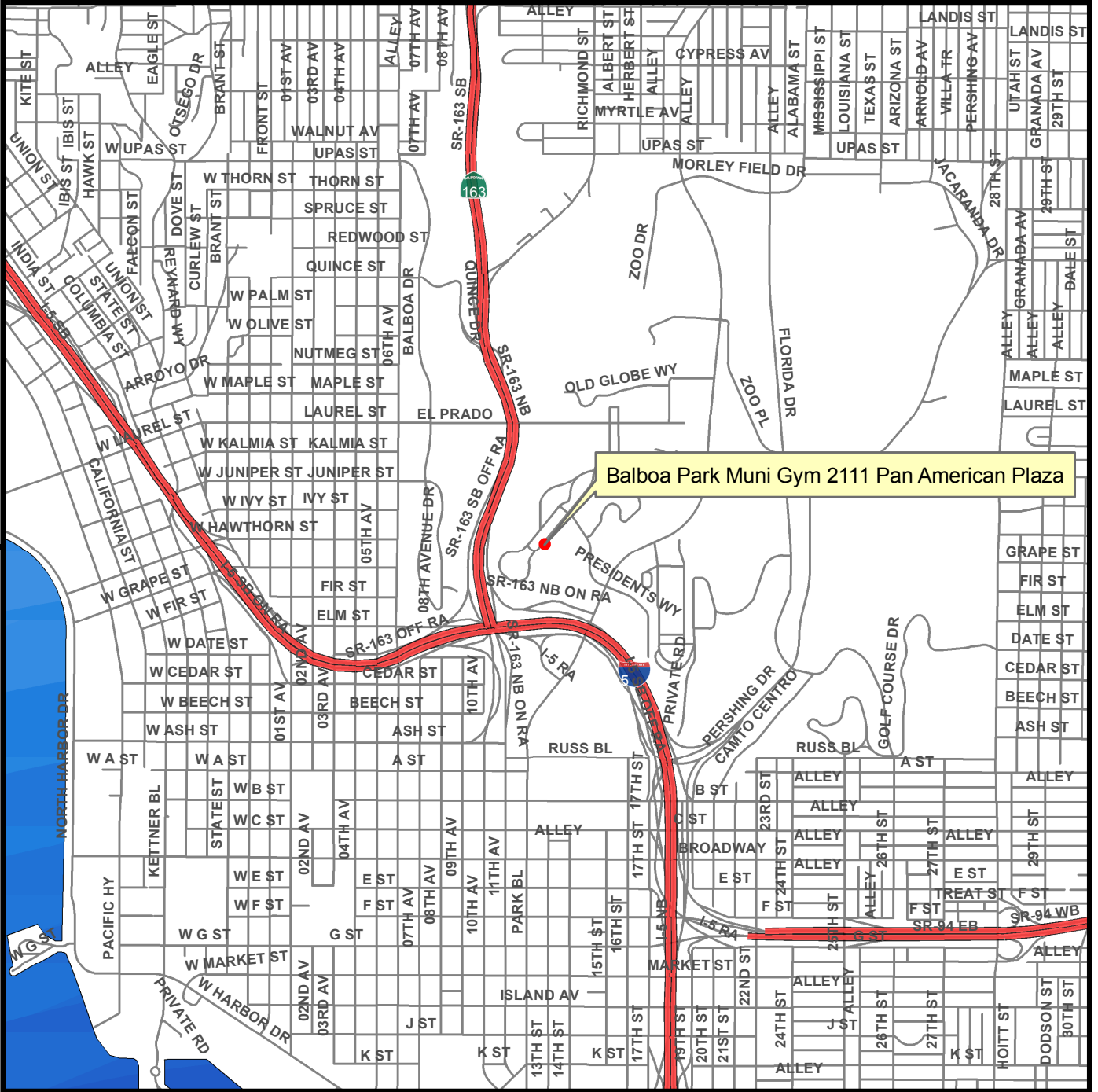
APPENDIX C
LOCATION MAP

THIS MAP/DATA IS PROVIDED WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Note: This product may contain information reproduced with permission granted by RAND McNALLY & COMPANY to SanGIS. This map is copyrighted by RAND McNALLY & COMPANY. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior written permission of RAND McNALLY & COMPANY.

Balboa Park Muni. Gym. Roof Replacement

SENIOR ENGINEER
Ali Darvishi

PROJECT MANAGER
Jason Grani



Balboa Park Muni Gym 2111 Pan American Plaza

Legend



COMMUNITY NAME:

Balboa Park

COUNCIL DISTRICT: 3

SAP ID: B00972

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Appendix C – Location Map - Balboa Park Municipal Gymnasium Roof Replacement

Date: October 27, 2011



APPENDIX D
HAZARDOUS LABELS/FORMS

INCIDENT/RELEASE ASSESSMENT FORM ¹

If you have an emergency, Call 911

Handlers of hazardous materials are required to report releases. The following is a tool to be used for assessing if a release is reportable. Additionally, a non-reportable release incident form is provided to document why a release is not reported (see back).

Questions for Incident Assessment:

	YES	NO
1. Was anyone killed or injured, or did they require medical care or admitted to a hospital for observation?	<input type="checkbox"/>	<input type="checkbox"/>
2. Did anyone, other than employees in the immediate area of the release, evacuate?	<input type="checkbox"/>	<input type="checkbox"/>
3. Did the release cause off-site damage to public or private property?	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the release greater than or equal to a reportable quantity (RQ)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Was there an uncontrolled or unpermitted release to the air?	<input type="checkbox"/>	<input type="checkbox"/>
6. Did an uncontrolled or unpermitted release escape secondary containment, or extend into any sewers, storm water conveyance systems, utility vaults and conduits, wetlands, waterways, public roads, or off site?	<input type="checkbox"/>	<input type="checkbox"/>
7. Will control, containment, decontamination, and/or clean up require the assistance of federal, state, county, or municipal response elements?	<input type="checkbox"/>	<input type="checkbox"/>
8. Was the release or threatened release involving an unknown material or contains an unknown hazardous constituent?	<input type="checkbox"/>	<input type="checkbox"/>
9. Is the incident a threatened release (a condition creating a substantial probability of harm that requires immediate action to prevent, reduce, or mitigate damages to persons, property, or the environment)?	<input type="checkbox"/>	<input type="checkbox"/>
10. Is there an increased potential for secondary effects including fire, explosion, line rupture, equipment failure, or other outcomes that may endanger or cause exposure to employees, the general public, or the environment?	<input type="checkbox"/>	<input type="checkbox"/>

If the answer is YES to any of the above questions – report the release to the California Office of Emergency Services at 800-852-7550 and the local CUPA daytime: (619) 338-2284, after hours: (858) 565-5255. Note: other state and federal agencies may require notification depending on the circumstances.

Call 911 in an emergency

If all answers are NO, complete a Non Reportable Release Incident Form (page 2 of 2) and keep readily available. Documenting why a “no” response was made to each question will serve useful in the event questions are asked in the future, and to justify not reporting to an outside regulatory agency.

If in doubt, report the release.

¹ This document is a guide for accessing when hazardous materials release reporting is required by Chapter 6.95 of the California Health and Safety Code. It does not replace good judgment, Chapter 6.95, or other state or federal release reporting requirements.

NON REPORTABLE RELEASE INCIDENT FORM

1. RELEASE AND RESPONSE DESCRIPTION

Incident # _____

Date/Time Discovered	Date/Time Discharge	Discharge Stopped <input type="checkbox"/> Yes <input type="checkbox"/> No
Incident Date / Time:		
Incident Business / Site Name:		
Incident Address:		
Other Locators (Bldg, Room, Oil Field, Lease, Well #, GIS)		
Please describe the incident and indicate specific causes and area affected. Photos Attached?: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Indicate actions to be taken to prevent similar releases from occurring in the future.		

2. ADMINISTRATIVE INFORMATION

Supervisor in charge at time of incident:	Phone:
Contact Person:	Phone:

3. CHEMICAL INFORMATION

Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Chemical	Quantity <input type="checkbox"/> GAL <input type="checkbox"/> LBS <input type="checkbox"/> FT ³
Clean-Up Procedures & Timeline:	
Completed By:	Phone:
Print Name:	Title:

EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

A	BUSINESS NAME	FACILITY EMERGENCY CONTACT & PHONE NUMBER () -
B	INCIDENT DATE: MO DAY YR TIME OES NOTIFIED (use 24 hr time)	OES CONTROL NO.
C	INCIDENT ADDRESS LOCATION	CITY / COMMUNITY COUNTY ZIP
D	CHEMICAL OR TRADE NAME (print or type)	CAS Number
D	CHECK IF CHEMICAL IS LISTED IN 40 CFR 355, APPENDIX A <input type="checkbox"/>	CHECK IF RELEASE REQUIRES NOTIFICATION UNDER 42 U.S.C. Section 9603 (a) <input type="checkbox"/>
D	PHYSICAL STATE CONTAINED: <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS	PHYSICAL STATE RELEASED: <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> GAS
D	ENVIRONMENTAL CONTAMINATION: <input type="checkbox"/> AIR <input type="checkbox"/> WATER <input type="checkbox"/> GROUND <input type="checkbox"/> OTHER	TIME OF RELEASE DURATION OF RELEASE _____ DAYS _____ HOURS _____ MINUTES
E	ACTIONS TAKEN	
E		
E		
E		
E		
F	KNOWN OR ANTICIPATED HEALTH EFFECTS (Use the comments section for addition information)	
F	<input type="checkbox"/> ACUTE OR IMMEDIATE (explain) _____	
F	<input type="checkbox"/> CHRONIC OR DELAYED (explain) _____	
F	<input type="checkbox"/> NOTKNOWN (explain) _____	
G	ADVICE REGARDING MEDICAL ATTENTION NECESSARY FOR EXPOSED INDIVIDUALS	
G		
H	COMMENTS (INDICATE SECTION (A - G) AND ITEM WITH COMMENTS OR ADDITIONAL INFORMATION)	
H		
H		
H		
I	CERTIFICATION: I certify under penalty of law that I have personally examined and I am familiar with the information submitted and believe the submitted information is true, accurate, and complete.	
I	REPORTING FACILITY REPRESENTATIVE (print or type) _____	
I	SIGNATURE OF REPORTING FACILITY REPRESENTATIVE _____ DATE: _____	

EMERGENCY RELEASE FOLLOW-UP NOTICE REPORTING FORM INSTRUCTIONS

GENERAL INFORMATION:

Chapter 6.95 of Division 20 of the California Health and Safety Code requires that written emergency release follow-up notices prepared pursuant to 42 U.S.C. § 11004, be submitted using this reporting form. Non-permitted releases of reportable quantities of Extremely Hazardous Substances (listed in 40 CFR 355, appendix A) or of chemicals that require release reporting under section 103(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [42 U.S.C. § 9603(a)] must be reported on the form, as soon as practicable, but no later than 30 days, following a release. The written follow-up report is required in addition to the verbal notification.

BASIC INSTRUCTIONS:

- The form, when filled out, reports follow-up information required by 42 U.S.C § 11004. Ensure that all information requested by the form is provided as completely as possible.
- If the incident involves reportable releases of more than one chemical, prepare one report form for each chemical released.
- If the incident involves a series of separate releases of chemical(s) at different times, the releases should be reported on separate reporting forms.

SPECIFIC INSTRUCTIONS:

Block A: Enter the name of the business and the name and phone number of a contact person who can provide detailed facility information concerning the release.

Block B: Enter the date of the incident and the time that verbal notification was made to OES. The OES control number is provided to the caller by OES at the time verbal notification is made. Enter this control number in the space provided.

Block C: Provide information pertaining to the location where the release occurred. Include the street address, the city or community, the county and the zip code.

Block D: Provide information concerning the specific chemical that was released. Include the chemical or trade name and the Chemical Abstract Service (CAS) number. Check all categories that apply. Provide best available information on quantity, time and duration of the release.

Block E: Indicate all actions taken to respond to and contain the release as specified in 42 U.S.C. § 11004(c).

Block F: Check the categories that apply to the health effects that occurred or could result from the release. Provide an explanation or description of the effects in the space provided. Use Block H for additional comments/information if necessary to meet requirements specified in 42 U.S.C. § 11004(c).

Block G: Include information on the type of medical attention required for exposure to the chemical released. Indicate when and how this information was made available to individuals exposed and to medical personnel, if appropriate for the incident, as specified in 42 U.S.C. § 11004(c).

Block H: List any additional pertinent information.

Block I: Print or type the name of the facility representative submitting the report. Include the official signature and the date that the form was prepared.

MAIL THE COMPLETED REPORT TO:

**State Emergency Response Commission (SERC)
Attn: Section 304 Reports
Hazardous Materials Unit
3650 Schriever Avenue
Mather, CA 95655**

NOTE: Authority cited: Sections 25503, 25503.1 and 25507.1, Health and Safety Code. Reference: Sections 25503(b)(4), 25503.1, 25507.1, 25518 and 25520, Health and Safety Code.

APPENDIX E
SAMPLE CITY INVOICE

City of San Diego, Field Engineering Div., 9485 Aero Drive, SD CA 92123						Contractor's Name:					
Project Name:						Contractor's Address:					
SAP No. (WBS/IO/CC)											
City Purchase Order No.						Contractor's Phone #:			Invoice No.		
Resident Engineer (RE):						Contractor's Fax #:			Invoice Date:		
RE Phone#:			RE Fax#:			Contact Name:			Billing Period:		
Item #	Item Description	Contract Authorization				Previous Estimate		This Estimate		Totals to Date	
		Unit	Qty	Price	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount
1	2 Parallel 4" PVC C900	LF	1,380	\$34.00	\$46,920.00						
2	48" Primary Steel Casing	LF	500	\$1,000.00	\$500,000.00						
3	2 Parallel 12" Secondary Steel	LF	1,120	\$53.00	\$59,360.00						
4	Construction and Rehab of PS 49	LS	1	\$150,000.00	\$150,000.00						
5	Demo	LS	1	\$14,000.00	\$14,000.00						
6	Install 6' High Chain Link Fence	LS	1	\$5,600.00	\$5,600.00						
7	General Site Restoration	LS	1	\$3,700.00	\$3,700.00						
8	10" Gravity Sewer	LF	10	\$292.00	\$2,920.00						
9	4" Blow Off Valves	EA	2	\$9,800.00	\$19,600.00						
10	Bonds	LS	1	\$16,000.00	\$16,000.00						
11	Field Orders	AL	1	80,000	\$80,000.00						
11.1	Field Order 1	LS	5,500	\$1.00	\$5,500.00						
11.2	Field Order 2	LS	7,500	\$1.00	\$7,500.00						
11.3	Field Order 3	LS	10,000	\$1.00	\$10,000.00						
11.4	Field Order 4	LS	6,500	\$1.00	\$6,500.00						
12	Certified Payroll	LS	1	\$1,400.00	\$1,400.00						
CHANGE ORDERS											
Change Order 1			4,890								
Items 1-4					\$11,250.00						
Item 5-Deduct Bid Item 3		LF	120	-\$53.00	(\$6,360.00)						
Change Order 2			160,480								
Items 1-3					\$95,000.00						
Item 4 Deduct Bid Item 1		LF	380	-\$340.00	(\$12,920.00)						
Item 5-Encrease bid Item 9		LF	8	\$9,800.00	\$78,400.00						
Change Order 3 (Close Out)			-121,500								
Item 1 Deduct Bid Item 3			53	-500.00	(\$26,500.00)						
Item 2 Deduct Bid Item 4		LS	-1	45,000.00	(\$45,000.00)						
Items 3-9			1	-50,500.00	(\$50,500.00)						
SUMMARY								Total This	\$ -	Total Billed	\$0.00
A. Original Contract Amount						Retention and/or Escrow Payment Schedule					
B. Approved Change Order 1 Thru 3						Total Retention Required as of this billing					
C. Total Authorized Amount (A+B)						Previous Retention Withheld in PO or in Escrow					
D. Total Billed to Date						Add'l Amt to Withhold in PO/Transfer in Escrow:					
E. Less Total Retention (5% of D)						Amt to Release to Contractor from PO/Escrow:					
F. Less Total Previous Payments											
G. Payment Due Less Retention						Contractor Signature and Date:					
H. Remaining Authorized Amount											

City of San Diego

CITY CONTACT: Clementina Giordano - Contract Specialist, Email: cgiordano@sandiego.gov.
Phone No. (619) 533-3481, Fax No. (619) 533-3450

ADDENDUM "A"

FOR



BALBOA PARK MUNICIPAL GYMNASIUM ROOF REPLACEMENT

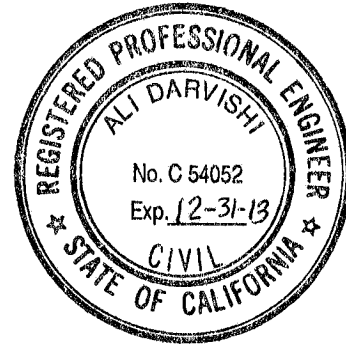
BID NO.:	K-13-5490-DBB-3
SAP NO. (WBS/IO/CC):	B-00972
CLIENT DEPARTMENT:	1714
COUNCIL DISTRICT:	2
PROJECT TYPE:	BF

BID DUE DATE:

2:00 PM
FEBRUARY 6, 2013
CITY OF SAN DIEGO
PUBLIC WORKS DEPARTMENT
1010 SECOND AVENUE, SUITE 1400, MS 614C
SAN DIEGO, CA 92101

ENGINEER OF WORK

Pursuant to California Business and Professions Code Section 6735, the Plans, Specifications, and Special Provisions contained herein have been prepared by or under the direction of the following Registered Engineer:





For City Engineer

1/18/13

Date

Seal

A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the Contract Documents are hereby made effective as though originally issued with the bid package. Bidders are reminded that all previous requirements to this solicitation remain in full force and effect.

B. VOLUME 1

1. To Notice Inviting Bids, pages 4 through 18, DELETE in its entirety and SUBSTITUTE with page 3 of 21 through 17 of 21 of this Addendum.
2. To Contract Forms Agreement, Construction Contract, page 20, DELETE in its entirety and SUBSTITUTE with page 18 of 21 of this Addendum.
3. To Supplementary Special Provisions – Appendices, ADD “Appendix F, Waste Management Form for Construction & Demolition (C&D) Debris”, page 19 of 21 through 21 of 21 of this Addendum.

Tony Heinrichs, Director
Public Works Department

Dated: *January 18, 2013*
San Diego, California

TH/KA/rir/egz

CITY OF SAN DIEGO, CALIFORNIA

NOTICE INVITING BIDS

1. **RECEIPT AND OPENING OF BIDS:** Bids will be received at the Public Works Contracting Group at the location, time, and date shown on the cover of these specifications for performing work on **Balboa Park Municipal Gymnasium Roof Replacement Project**.

2. **DESCRIPTION OF WORK:** The Work involves furnishing all labor, materials, equipment, services, and other incidental works and appurtenances for the construction of the Project as described below:

Replacement of approximately 27,000 SF of roofing and replacement of parapet/curtain wall and accessible path of travel to the building

2.1. The Work shall be performed in accordance with:

2.1.1. This Notice Inviting Bids and Plans numbered **36528-01-D** through **36528-10-D**, inclusive.

3. **EQUAL OPPORTUNITY:**

3.1. To The WHITEBOOK, Chapter 10, Sections D and E, DELETE in their entirety and SUBSTITUTE with the following:

D. CITY'S EQUAL OPPORTUNITY COMMITMENT.

1. Nondiscrimination in Contracting Ordinance.

1. The Contractor, Subcontractors and Suppliers shall comply with requirements of the City's Nondiscrimination in Contracting Ordinance, San Diego Municipal Code §§22.3501 through 22.3517.

The Contractor shall not discriminate on the basis of race, gender, religion, national origin, ethnicity, sexual orientation, age, or disability in the solicitation, selection, hiring, or treatment of subcontractors, vendors, or suppliers. The Contractor shall provide equal opportunity for subcontractors to participate in subcontracting opportunities. The Contractor understands and agrees that violation of this clause shall be considered a material breach of the contract and may result in contract termination, debarment, or other sanctions.

The Contractor shall include the foregoing clause in all contracts between the Contractor and Subcontractors and Suppliers.

2. Disclosure of Discrimination Complaints. As part of its Bid or Proposal, the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors, or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

3. Upon the City's request, the Contractor agrees to provide to the City, within 60 days, a truthful and complete list of the names of all Subcontractors and Suppliers that the Contractor has used in the past 5 years on any of its contracts that were undertaken within San Diego County, including the total dollar amount paid by the Contractor for each subcontract or supply contract.
4. The Contractor further agrees to fully cooperate in any investigation conducted by the City pursuant to the City's Nondiscrimination in Contracting Ordinance, Municipal Code §§22.3501 through 22.3517. The Contractor understands and agrees that violation of this clause shall be considered a material breach of the Contract and may result in remedies being ordered against the Contractor up to and including contract termination, debarment and other sanctions for violation of the provisions of the Nondiscrimination in Contracting Ordinance. The Contractor further understands and agrees that the procedures, remedies and sanctions provided for in the Nondiscrimination in Contracting Ordinance apply only to violations of the Ordinance.

E. EQUAL EMPLOYMENT OPPORTUNITY OUTREACH PROGRAM.

1. The Contractor, Subcontractors and Suppliers shall comply with the City's Equal Employment Opportunity Outreach Program, San Diego Municipal Code §§22.2701 through 22.2707.

The Contractor shall not discriminate against any employee or applicant for employment on any basis prohibited by law. Contractor shall provide equal opportunity in all employment practices. Prime Contractor shall ensure their subcontractors comply with this program. Nothing in this section shall be interpreted to hold a prime contractor liable for any discriminatory practice of its subcontractors.

The Contractor shall include the foregoing clause in all contracts between the Contractor and Subcontractors and Suppliers.

2. If the Contract is competitively solicited, the selected Bidder shall submit a Work Force Report (Form BB05), within 10 Working Days after receipt by the Bidder of Contract forms to the City for approval as specified in the Notice of Intent to Award letter from the City.
3. If a Work Force Report is submitted, and the City determines there are under-representations when compared to County Labor Force Availability data, the selected Bidder shall submit an Equal Employment Opportunity Plan.
4. If the selected Bidder submits an Equal Employment Opportunity Plan, it shall include the following assurances:
 1. The Contractor shall maintain a working environment free of discrimination, harassment, intimidation and coercion at all sites and in all facilities at which the Contractor's employees are assigned to work.

2. The Contractor reviews its EEO Policy, at least annually, with all on-site supervisors involved in employment decisions.
3. The Contractor disseminates and reviews its EEO Policy with all employees at least once a year, posts the policy statement and EEO posters on all company bulletin boards and job sites, and documents every dissemination, review and posting with a written record to identify the time, place, employees present, subject matter, and disposition of meetings.
4. The Contractor reviews, at least annually, all supervisors' adherence to and performance under the EEO Policy and maintains written documentation of these reviews.
5. The Contractor discusses its EEO Policy Statement with subcontractors with whom it anticipates doing business, includes the EEO Policy Statement in its subcontracts, and provides such documentation to the City upon request.
6. The Contractor documents and maintains a record of all bid solicitations and outreach efforts to and from subcontractors, contractor associations and other business associations.
7. The Contractor disseminates its EEO Policy externally through various media, including the media of people of color and women, in advertisements to recruit, maintains files documenting these efforts, and provides copies of these advertisements to the City upon request.
8. The Contractor disseminates its EEO Policy to union and community organizations.
9. The Contractor provides immediate written notification to the City when any union referral process has impeded the Contractor's efforts to maintain its EEO Policy.
10. The Contractor maintains a current list of recruitment sources, including those outreaching to people of color and women, and provides written notification of employment opportunities to these recruitment sources with a record of the organizations' responses.
11. The Contractor maintains a current file of names, addresses and phone numbers of each walk-in applicant, including people of color and women, and referrals from unions, recruitment sources, or community organizations with a description of the employment action taken.
12. The Contractor encourages all present employees, including people of color and women employees, to recruit others.
13. The Contractor maintains all employment selection process information with records of all tests and other selection criteria.

14. The Contractor develops and maintains documentation for on-the-job training opportunities, participates in training programs, or both for all of its employees, including people of color and women, and establishes apprenticeship, trainee, and upgrade programs relevant to the Contractor's employment needs.
15. The Contractor conducts, at least annually, an inventory and evaluation of all employees for promotional opportunities and encourages all employees to seek and prepare appropriately for such opportunities.
16. The Contractor ensures the company's working environment and activities are non-segregated except for providing separate or single-user toilets and necessary changing facilities to assure privacy between the sexes.

4. SUBCONTRACTING PARTICIPATION PERCENTAGES:

4.1. The City has incorporated **mandatory** SLBE-ELBE subcontractor participation percentages to enhance competition and maximize subcontracting opportunities. For the purpose of achieving the mandatory subcontractor participation percentages, a recommended breakdown of the SLBE and ELBE subcontractor participation percentages based upon certified SLBE and ELBE firms has also been provided to achieve the mandatory subcontractor participation percentages:

- | | |
|----------------------------------|-------------|
| 1. SLBE participation | 1.1% |
| 2. ELBE participation | 2.9% |
| 3. Total mandatory participation | 4.0% |

4.2. The Bidders are strongly encouraged to attend the Pre-Bid Meeting to better understand the Good Faith Effort requirements of this contract. See the City's document titled "SLBE Program, Instructions For Bidders Completing The Good Faith Effort Submittal" available at: <http://www.sandiego.gov/eoc/>

4.3. The Bid will be declared non-responsive if the Bidder fails the following mandatory conditions:

- 4.3.1.** Bidder's inclusion of SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document; OR.
- 4.3.2.** Bidder's submission of Good Faith Effort documentation demonstrating the Bidder made a good faith effort to outreach to and include SLBE-ELBE Subcontractors required in this document within 3 Working Day of the Bid opening if the overall mandatory participation percentage is not met.

5. PRE-BID MEETING:

5.1. There will be a Pre-Bid Meeting to discuss the scope of the Project, bidding requirements, pre-qualification requirements and Equal Opportunity Contracting Program requirements and reporting procedures in the Public Works Contracting Group, Conference Room at 1010 Second Avenue, Suite 1400, San Diego, CA 92101 **at 10:00 AM, on January 17, 2013.**

5.2. All potential bidders are encouraged to attend.

5.3. To request a copy of the agenda on an alternative format, or to request a sign language or oral interpreter for this meeting, call the Public Works Contracting Group at (619) 533-3450 at least 5 Working Days prior to the Pre-Bid Meeting to ensure availability.

6. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:

6.1. **Prior** to the Award of the Contract or each Task Order, you and your Subcontractors and Suppliers **must** register with Prism®, the City's web-based contract compliance portal at:

<https://pro.prismcompliance.com/default.aspx>.

6.2. The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.

7. **PRE-BID SITE VISIT:** The prospective Bidders are encouraged to visit the Work Site with the Engineer. The purpose of the Site visit is to acquaint Bidders with the Site conditions.

Time: 10:00 AM

Date: January 22, 2013

Location: 2111 West Pan American Road San, Diego, CA 92101

8. **CONSTRUCTION COST:** The City's estimated construction cost for this contract is **\$1,000,000**.

9. **LOCATION OF WORK:** The location of the Work is as follows:

2111 Pan American Plaza, San Diego, CA 92101

10. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **80 Working Days**.

11. **CONTRACTOR'S LICENSE CLASSIFICATION:** In accordance with the provisions of California Law, the Contractor shall possess valid appropriate license(s) at the time that the Bid is submitted. Failure to possess the specified license(s) shall render the Bid as **non-responsive** and shall act as a bar to award of the Contract to any Bidder not possessing required license(s) at the time of Bid.

11.1. The City has determined the following licensing classification(s) for this contract:

Option	Classification(s)
1	CLASS A or
2	CLASS B

11.2. The Bidder shall satisfy the licensing requirement by meeting **at least** one of the listed options.

12. PREQUALIFICATION OF CONTRACTORS:

12.1. Contractors submitting Bid or Proposal must be pre-qualified for the total amount proposed, inclusive of all alternate items or specified Task Order limits prior to the date

of submittal. Bids from contractors who have not been pre-qualified as applicable and Bids that exceed the maximum dollar amount at which contractors are pre-qualified will be deemed **non-responsive** and ineligible for award or a Task Order authorization. Complete information and prequalification questionnaires are available at:

<http://www.sandiego.gov/engineering-cip/services/consultcontract/prequal.shtml>

13. INSURANCE REQUIREMENTS:

- 13.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City’s Notice of Intent to Award letter.
- 13.2. Refer to sections 7-3, “LIABILITY INSURANCE”, and 7-4, “WORKERS’ COMPENSATION INSURANCE” of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.
- 13.3. The completed questionnaire, financial statement, and bond letter or a copy of the contractor’s SLBE-ELBE certification and bond letter, must be submitted no later than 2 weeks prior to the bid opening to the Public Works Department - Engineering & Capital Project, Prequalification Program, 1010 Second Avenue, Suite 1200, San Diego, CA 92101. For additional information or the answer to questions about the prequalification program, contact David Stucky at (619) 533-3474 or dstucky@sandiego.gov.

14. REFERENCE STANDARDS: Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction (“The GREENBOOK”)	2012	PITS070112-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)*	2012	PITS070112-02
City of San Diego Standard Drawings*	2012	PITS070112-03
Caltrans Standard Specifications	2010	PITS070112-04
Caltrans Standard Plans	2010	PITS070112-05
California MUTCD	2012	PITS070112-06
City Standard Drawings - Updates Approved For Use (when specified)*	Varies	Varies
Standard Federal Equal Employment Opportunity Construction Contract Specifications and the Equal Opportunity Clause Dated 09-11-84	1984	769023

NOTE: Available online under Engineering Documents and References at: <http://www.sandiego.gov/engineering-cip>.

15. CITY'S RESPONSES AND ADDENDA: The City at its option, may respond to any or all questions submitted in writing, via letter, or FAX in the form of an addendum. No oral comment shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addendum are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda on the form provided for this purpose in the Bid.

16. **CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Invitations to Bid at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Invitations to Bid shall be the sole responsibility of each bidder. The Invitations to Bid creates or imposes no obligation upon the City to enter a contract.
17. **CONTRACT PRICING FORMAT:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth in the Bid Proposal Form(s), Volume 2 unless specified otherwise, such as as-needed contracts e.g., JOC in the Contract Documents.
18. **SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
19. **AWARD PROCESS:**
 - 19.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
 - 19.2. Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
 - 19.3. This contract will be deemed executed, and effective, only upon the signing of the Contract by the Mayor or designee of the City.
20. **SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The WHITEBOOK and as amended in the SSP which requires the Contractor to self perform the amount therein stipulated. Failure to comply with these requirements may render the Bid **non-responsive** and ineligible for award.
21. **AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracting Group.
22. **QUESTIONS:**
 - 22.1. The Director (or designee), of the Public Works Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. All questions related to this procurement action shall be addressed to the Public Works Contracting Group, Attention Contract Specialist, 1010 Second Avenue, Suite 1400, MS 614C, San Diego, California, 92101, and Telephone No. (619) 533-3450.
 - 22.2. Questions received less than 14 days prior to the date for opening of Bids may not be answered.
 - 22.3. Interpretations or clarifications considered necessary by the City in response to such questions will be issued by Addenda which will be uploaded to the City's online bidding service.

- 22.4. Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. It is the Bidder's responsibility to become informed of any Addenda that have been issued and to include all such information in its Bid.
23. **ELIGIBLE BIDDERS:** No person, firm, or corporation shall be allowed to make, file, or be interested in **more** than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
24. **SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, first floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms with the Notice Inviting Bids and Contract forms.
25. **PROPOSAL FORMS:** Bid shall be made only upon the Bidding Documents i.e., Proposal form attached to and forming a part of the specifications. The signature of each person signing shall be in longhand.
- 25.1. Bidder shall complete and submit all pages in the "Bidding Document" Section (see Volume 2) as their Bid per the schedule given under "Required Documents Schedule," (see Volume 1). Bidder is requested to retain for their reference other portions of the Contract Documents that are not required to be submitted with the Bid. The entire specifications for the bid package do not need to be submitted with the bid.
- 25.2. The City may require any Bidder to furnish a statement of experience, financial responsibility, technical ability, equipment, and references.
- 25.3. Bids and certain other forms and documents as specified in the Volume 2 of 2 of the Contract Documents shall be enclosed in a sealed envelope and shall bear the title of the work and name of the Bidder and the appropriate State Contractors License designation which the Bidder holds.
- 25.4. Bids may be withdrawn by the Bidder prior to, but not after, the time fixed for opening of Bids.
26. **BIDDERS' GUARANTEE OF GOOD FAITH (BID SECURITY):**
- 26.1. With the exception of the contracts valued \$5,000 or less, JOC and Design-Build contracts, and contracts subject to the Small and Local Business Program of \$250,000 or less e.g., ELBE contracts, each Bidder shall accompany its Bid with either a cashier's check upon some responsible bank, or a check upon such bank properly certified or an approved corporate surety bond payable to the City of San Diego, for an amount of not less than 10% of the aggregate sum of the Bid, which check or bond, and the monies represented thereby shall be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into such contract and furnish the required final bonds.

- 26.2. The Bidder agrees that in case of Bidder's refusal or failure to execute this contract and give required final bonds, the money represented by a cashier's or certified check shall remain the property of the City, and if the Bidder shall fail to execute this contract, the Surety agrees that it will pay to the City damages which the City may suffer by reason of such failure, not exceeding the sum of 10% of the amount of the Bid.
- 26.3. A Bid received without the specified bid security will be rejected as being **non-responsive**.

27. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 27.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 27.2. For Design-Build contracts, the award may not be solely based on price. Refer to the RFP for the selection and award details.
- 27.3. Bidders shall complete the entire Bid schedule (also referred to as "schedule of prices" or Proposal form). Incomplete price schedules will be rejected as being non-responsive.
- 27.4. The City reserves the right to reject any or all Bids, and to waive any informality or technicality in Bids received and any requirements of these specifications as to bidding procedure.
- 27.5. Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City from the Bidder within 3 Working Days, excluding Saturdays, Sundays, and state holidays, after the opening of Bids, of written notice which includes proof of honest, credible, clerical error of material nature, free from fraud or fraudulent intent, and of evidence that reasonable care was observed in the preparation of the Bid.
- 27.6. A non-selected Bidder may protest award of the Contract to the selected Bidder by submitting a written "Notice of Intent to Protest" including supporting documentation which shall be received by Public Works Contracting Group no later than 10 days after the City's announcement of the selected Bidder or no later than 10 days from the date that the City issues notice of designation of a Bidder as non-responsive in accordance with San Diego Municipal Code Chapter 2, § 22.3029, "Protests of Contract Award."
- 27.7. The City of San Diego will not discriminate with regard to race, religious creed, color, national origin, ancestry, physical handicap, marital status, sex or age, in the award of contracts.
- 27.8. Each Bid package properly executed as required by these specifications shall constitute a firm offer, which may be accepted by the City within the time specified in the Proposal.
- 27.9. The City reserves the right to evaluate all Bids and determine the lowest Bidder (or winner for Design-Build contracts) on the basis of any proposed alternates, additive items or options, at its discretion that will be disclosed in the Volume 2 of 2 (or RFP for the Design-Build contracts).

28. BID RESULTS:

- 28.1. The Bid opening by the City shall constitute the public announcement of the Apparent Low Bidder (or Apparent Winner in case of Design-Build contracts). In the event that the Apparent Low Bidder (or Apparent Winner in case of Design-Build contracts) is subsequently deemed non-responsive or non-responsible, a public announcement will be posted in the City's web page: <http://www.sandiego.gov/bids-contracts/>, with the name of the newly designated Apparent Low Bidder (or Apparent Winner in case of Design-Build contracts).
- 28.2. To obtain Bid results, either attend Bid opening, review the results on the City's web site, or provide a self-addressed, stamped envelope, referencing Bid number, and Bid tabulation will be mailed to you upon verification of extensions. Bid results cannot be given over the telephone.

29. THE CONTRACT:

- 29.1. The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 29.2. If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 29.3. If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 29.4. For contracts that are not Design-Build, pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 29.5. The award of the Contract is contingent upon the satisfactory completion of the above mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.

- 30. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, the JOC Unit Price Books if applicable, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid or JOC Task Order Proposal shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 31. CITY STANDARD PROVISIONS.** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 31.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 31.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 31.3.** The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 31.4.** The City of San Diego’s Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 31.5.** Sections 1777.5, 1777.6, and 1777.7 of the State of California Labor Code concerning the employment of apprentices by contractors and subcontractors performing public works contracts.
- 31.6.** The City’s Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 31.7.** The City’s Information Security Policy (ISP) as defined in the City’s Administrative Regulation 90.63.
- 32. PRE-AWARD ACTIVITIES:**
- 32.1.** The selected contractor by the City to execute a contract for this Work shall provide the information required within the time specified in “Required Documents,” of this bid package. Failure to provide the information within the time specified may result in the Bid being rejected as **non-responsive**.
- 32.2.** If the Bid is rejected as non-responsive, the selected contractor by the City to execute a contract for this Work shall forfeit the required Bid. The decision that the selected contractor by the City to execute a contract for this Work is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.
- 33. PHASED FUNDING:**
- 33.1.** For phased funded contracts, the City typically secures enough funds for the first 90 days of the contract prior to award. Within 10 Working Days after Bid opening date the Apparent Low Bidder must contact the Project Manager to discuss fund availability and the duration of the first phase and submit the Pre-Award Schedule to the City for approval and preparation of the first Phased Funding Schedule Agreement.

- 33.2. The Apparent Low Bidder will be required to provide a Pre-award Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 9-3, "PAYMENT" prior to award of Contract.
- 33.3. If the Bid submitted by the Apparent Low Bidder is rejected by the City for any reason, then within 5 Working Days after receiving notice, the next Apparent Low Bidder must provide the Pre-Award Schedule. This process will continue until the City has selected the Apparent Low Bidder or have decided to reject all Bids.
- 33.4. The first Phased Funding Schedule Agreement must show the fund availability for the first phase. Within 22 Working Days from the date of the Bid Opening or notice to the next Apparent Low Bidder (whichever occurs last) and once a Pre-Award Schedule is accepted by the City, the City will present the first Phased Funding Schedule Agreement to you when you are selected as the Apparent Low Bidder as defined in the City's Municipal Code, §22.3003.
- 33.5. At the City's request, you must meet with the City's project manager before execution of the first Phased Funding Schedule Agreement to discuss his or her comments and requests for revision to the Pre-Award Schedule.
- 33.6. Your failure to perform the following may result in the Bid being rejected as **non-responsive**:
 - 1. meet with the City's project manager, if requested to do so, to discuss and respond to the City's comments regarding the Pre-Award Schedule,
 - 2. revise the Pre-Award Schedule as requested by the City within the specified 22 Working Days timeframe, or
 - 3. execute the first Phased Funding Schedule Agreement within a day after receipt.

34. REQUIRED DOCUMENT SCHEDULE:

- 34.1. The Bidder's attention is directed to the City's Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.
- 34.2. The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City's web site at:

<http://www.sandiego.gov/eoc/forms/index.shtml>

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
1.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid
2.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid Bond
3.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Non-collusion Affidavit to be Executed By Bidder and Submitted with Bid under 23 USC 112 and PCC 7106
4.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Contractors Certification of Pending Actions
5.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Equal Benefits Ordinance Certification of Compliance

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
6.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA35 - List of Subcontractors
7.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA40 - Named Equipment/Material Supplier List
8.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	SLBE Good Faith Efforts Documentation
9.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Form AA60 – List of Work Made Available
10.	WITHIN 3 WORKING DAYS OF BID OPENING WITH GOOD FAITH EFFORT DOCUMENTATION	ALL BIDDERS	Proof of Valid DBE-MBE-WBE-DVBE Certification Status e.g., Certs.
11.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Phased Funding Schedule Agreement
12.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Pre-Award Schedule
13.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Names of the principal individual owners of the Apparent Low Bidder
14.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License
15.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Form BB05 - Work Force Report
16.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms – Agreement
17.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Payment and Performance Bond
18.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Certificates of Insurance and Endorsements

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
19.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - Drug-Free Workplace
20.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - American with Disabilities Act

CONTRACT FORMS AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and _____, herein called "Contractor" for construction of **Balboa Park Municipal Gymnasium Roof Replacement**; Bid No. **K-13-5490-DBB-3**; in the amount of _____ (\$ _____), which is comprised of the Base Bid plus/minus Additive/Deductive Alternate(s) _____.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Notice Inviting Bids and the Supplementary Special Provisions (SSP).
 - (d) Phase Funding Schedule Agreement.
 - (e) That certain documents entitled **Balboa Park Municipal Gymnasium Roof Replacement**, on file in the office of the Public Works Department as Document No. _____, as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **Balboa Park Municipal Gymnasium Roof Replacement**, Bid Number **K-13-5490-DBB-3**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

APPENDIX F

Waste Management Form for Construction & Demolition (C&D) Debris



Waste Management Form for Construction & Demolition (C&D) Debris

Required for projects described in Municipal Code §66.0601-66.0610. Please see Information Bulletin 119 for more information.

PART I Complete this section before obtaining a building or demolition permit. Submit this form and your recycling deposit to the Development Services Department when paying permit fees.

Approval No. _____ Project Title (if applicable) _____

Project Address _____ Zip Code _____

Property Owner _____ Contact Name _____ Title _____

Signature _____ Date _____

Phone _____ Fax _____ Email _____

Contact Mailing Address (if different than project address) _____

City _____ State _____ Zip Code _____

Project Type (check all that apply): New Construction Addition/Alteration Demolition
 Commercial Residential Single Family Multi-Family

Estimated Square Feet _____

Estimated Start Date ____/____/____

Estimated Completion Date ____/____/____

TO BE FILLED OUT BY DSD STAFF
 Recycling Deposit Paid \$ _____
 By _____

Fill out the following table with estimated waste tonnage that will be generated by your project.
Goal : Reduce quantity of materials disposed at landfills by percentage noted in Municipal Code §66.0601-66.0610

Indicate quantities in tons for each material listed. Note: A = B + C (Please use the City Construction and Demolition Debris Conversion Rate Tables if converting from volume to tonnage.)

Material Type	A Estimated Waste Quantity	B Estimated Salvage Reuse OR Recycled	C Estimated Disposal	D Hauler	E Facility Destination(s)
Asphalt & Concrete					
Brick / Masonry / Tile					
Dirt					
Mixed Inerts					
Mixed C&D Debris					
Cabinets, Doors, Fixtures, Windows (circle all that apply)					
Carpet					
Carpet Padding / Foam					
Cardboard					
Ceiling Tile (acoustic)					
Drywall (Used, new, unpainted sheets or scrap)					
Landscape Debris					
Unpainted Wood & Pallets					
Roofing Materials					
Scrap Metal					
Stucco					
Garbage / Trash					
Other (please describe)					
Other (please describe)					
TOTAL					

PART I Continued

Refer to the table on the previous page and fill in the blanks below to determine your estimated diversion rate.

(Total Column B / Total Column A : _____) x 100 = _____ %

For Multi-Family, Commercial and Industrial Projects ONLY (Single family projects do not need to answer this question):

My project complies with Municipal Code §142.0805 which requires certain space allocation for trash and recyclable material storage.

PART II Complete this section after final inspection. Submit with a copy of all diversion and disposal receipts, written statements or photographs documenting on-site reuse or other reuse or donation, and a copy of PART I of this form to apply for your refund.

Send completed form and all documentation to:

**City of San Diego
Environmental Services Department
Attn: C&D Diversion Coordinator
9601 Ridgehaven Court, Suite 320
San Diego, CA 92123**

Applicants must submit refund requests within 180 days following project final inspection. Requests submitted after 180 days will not be eligible for a refund. Refunds will not be issued if all requested information and documentation is not provided. Refunds will be mailed within 45 days following receipt of all proper forms and documentation.

Applicant is advised of San Diego Municipal Code section 11.0401(b) which states: "No person willfully shall make a false statement or fail to report any material fact in any application for City license, permit, certificate, employment or other City action under the provisions of the San Diego Municipal Code."

Section A

I certify under penalty of perjury under the laws of the State of California that the information provided in and with this form pertains to construction and demolition debris generated only from the project listed in PART I, that I have reviewed the accuracy of the information, and that the information is true and correct to the best of my knowledge and belief.

Name _____ Title _____

Signature _____ Date _____

Final Inspection Date _____

Section B

Please fill in this part only if the refund check is to be sent to a different person and address than that listed in PART I. By signing my name, I hereby direct the C&D refund for this project to be sent to the person listed in Section C below

Name _____ Signature _____

Section C

Please send refund to:

Name _____ Address _____

City _____ State _____ Zip Code _____

For more information please call City of San Diego Environmental Services Department (858) 694-7000 or visit www.sandiego.gov/environmental-services/recycling/cdrecycling.shtml

2/11/13 CW

City of San Diego

CONTRACTOR'S NAME: Kinsman Construction, Inc
 ADDRESS: 6711 Nancy Ridge Dr., San Diego, CA 92121
 TELEPHONE NO.: 858-875-2950 FAX NO.: 858-875-2955
 CITY CONTACT: Clementina Giordano - Contract Specialist, Email: CGiordano@sandiego.gov,
Phone No. (619) 533-3481, Fax No. (619) 533-3450

JGmm/KA/RIR

CONTRACT DOCUMENTS



FOR

BALBOA PARK MUNICIPAL GYMNASIUM ROOF REPLACEMENT

VOLUME 2 OF 2

BID NO.: K-13-5490-DBB-3
 SAP NO. (WBS/IO/CC): B-00972
 CLIENT DEPARTMENT: 1714
 COUNCIL DISTRICT: 2
 PROJECT TYPE: BF

THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

- PHASED-FUNDING
- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM.

THIS BIDDING DOCUMENT TO BE SUBMITTED IN ITS ENTIRETY
REFER TO VOLUME 1 COVER PAGE FOR TIME, DATE, AND LOCATION

TABLE OF CONTENTS

Volume 2 - Bidding Documents

The following forms must be completed in their entirety and submitted with the Bid. Include the form(s) even if the information does not apply. Where the information does not apply write in N/A. Failure to include any of the forms may cause the Bid to be deemed **non-responsive**. If you are uncertain or have any questions about any required information, contact the City no later than 14 days prior to Bid due date.

1. Bid/Proposal.....	3-6
2. Bid Bond.....	7
3. Non-Collusion Affidavit to be executed by Bidder and Submitted with Bid under 23 USC 112 and PCC 7106.....	8
4. Contractors Certification of Pending Actions.....	9
5. Equal Benefits Ordinance Certification of Compliance.....	10
6. Proposal (Bid).....	11-13
7. Form AA35 - List of Subcontractors	14
8. Form AA40 - Named Equipment/Material Supplier List	15

BIDDING DOCUMENTS

PROPOSAL

Bidder's General Information

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

IF A SOLE OWNER OR SOLE CONTRACTOR SIGN HERE:

- (1) Name under which business is conducted _____
- (2) Signature (Given and surname) of proprietor _____
- (3) Place of Business (Street & Number) _____
- (4) City and State _____ Zip Code _____
- (5) Telephone No. _____ Facsimile No. _____

IF A PARTNERSHIP, SIGN HERE:

- (1) Name under which business is conducted _____
- (2) Name of each member of partnership, indicate character of each partner, general or special (limited);

BIDDING DOCUMENTS

(3) Signature (Note: Signature must be made by a general partner)

Full Name and Character of partner

(4) Place of Business (Street & Number) _____

(5) City and State _____ Zip Code _____

(6) Telephone No. _____ Facsimile No. _____

IF A CORPORATION, SIGN HERE:

(1) Name under which business is conducted Kinsman Construction, Inc

(2) Signature, with official title of officer authorized to sign for the corporation:



(Signature)

Michael Stephenson

(Printed Name)

Vice President

(Title of Officer)

(Impress Corporate Seal Here)

(3) Incorporated under the laws of the State of California

(4) Place of Business (Street & Number) 6711 Nancy Ridge Drive

(5) City and State San Diego CA Zip Code 92121

(6) Telephone No. 858-875-2950 Facsimile No. 858-875-2955

CONTRACTORS CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past ten years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

CHECK ONE BOX ONLY.

- [X] The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
[] The undersigned certifies that within the past ten years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

Multiple horizontal lines provided for describing the complaint or resolution.

Contractor Name: _____

Certified By Michael Stephenson Title Vice President
Name

Signature Date 2/6/2013

USE ADDITIONAL FORMS AS NECESSARY

BIDDING DOCUMENTS

**EQUAL BENEFITS ORDINANCE
CERTIFICATION OF COMPLIANCE**



For additional information, contact:

CITY OF SAN DIEGO

EQUAL BENEFITS PROGRAM

202 C Street, MS 9A, San Diego, CA 92101

Phone (619) 533-3948 Fax (619) 533-3220

COMPANY INFORMATION

Company Name: Kinsman Construction, Inc	Contact Name: Michael Stephenson
Company Address: 6711 Nancy Ridge Dr	Contact Phone: 858-875-2950
San Diego CA 92121	Contact Email: mstephenson@kinsmanconstruction.net

CONTRACT INFORMATION

Contract Title: Balboa Park Municipal Gymnasium Roof Replacement	Start Date: MARCH 15 2013
Contract Number (if no number, state location): K-13-5490-DBB-3	End Date: JUNE 30 2013

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

The Equal Benefits Ordinance (EBO) requires the City to enter into contracts only with contractors who certify they will provide and maintain equal benefits as defined in SDMC §22.4302 for the duration of the contract. To comply:

- Contractor shall offer equal benefits to employees with spouses and employees with domestic partners.
 - Benefits include health, dental, vision insurance; pension/401(k) plans; bereavement, family, parental leave; discounts, child care; travel/relocation expenses; employee assistance programs; credit union membership; or any other benefit.
 - Any benefit not offer an employee with a spouse, is not required to be offered to an employee with a domestic partner.
- Contractor shall post notice of firm's equal benefits policy in the workplace and notify employees at time of hire and during open enrollment periods.
- Contractor shall allow City access to records, when requested, to confirm compliance with EBO requirements.
- Contractor shall submit *EBO Certification of Compliance*, signed under penalty of perjury, prior to award of contract.

NOTE: This summary is provided for convenience. Full text of the EBO and Rules Implementing the EBO are available at www.sandiego.gov/administration.

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

Please indicate your firm's compliance status with the EBO. The City may request supporting documentation.

- I affirm compliance with the EBO because my firm (*contractor must select one reason*):
- Provides equal benefits to spouses and domestic partners.
 - Provides no benefits to spouses or domestic partners.
 - Has no employees.
 - Has collective bargaining agreement(s) in place prior to January 1, 2011, that has not been renewed or expired.

- I request the City's approval to pay affected employees a cash equivalent in lieu of equal benefits and verify my firm made a reasonable effort but is not able to provide equal benefits upon contract award. I agree to notify employees of the availability of a cash equivalent for benefits available to spouses but not domestic partners and to continue to make every reasonable effort to extend all available benefits to domestic partners.

It is unlawful for any contractor to knowingly submit any false information to the City regarding equal benefits or cash equivalent associated with the execution, award, amendment, or administration of any contract. [San Diego Municipal Code §22.4307(a)]

Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City.

Michael Stephenson, Vice President

2/6/2013

Name/Title of Signatory

Signature

Date

FOR OFFICIAL CITY USE ONLY

Receipt Date: _____ EBO Analyst: _____ Approved Not Approved - Reason: _____

rev 02/16/2011

BIDDING DOCUMENTS

PROPOSAL (BID)

The Bidder agrees to the construction of Balboa Park Municipal Gymnasium Roof Replacement, for the City of San Diego, in accordance with these contract documents for the prices listed below. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening to Award of the Contract. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent e.g., bond and insurance.

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
BASE BID							
1	1	LS	238160	2-4.1	Bonds (Payment and Performance)	 	\$11,000. ⁰⁰
2	1	AL	238160	7-5.3	Building Permits - Type I	 	\$4,000.00
3	1	AL	238160	9-3.5	Field Orders - Type II	 	\$90,000.00
4	1	LS	541330	701-13.8.4	Water Pollution Control Program Development	 	\$ 1,000. ⁰⁰
5	1	LS	237990	701-13.8.4	Water Pollution Control Program Implementation	 	\$ 12,000. ⁰⁰
6	1	LS	238990	Appendix A	Asbestos Abatement	 	\$ 11,000. ⁰⁰
7	1	LS	238160	Appendix A	Demolition of Built up Roofing	 	\$ 50,000
8	1	LS	238160	Appendix A	Demolition of Parapet Wall and construction of new parapet wall, bracing and all associated items	 	\$ 452,000
9	1	LS	238160	Appendix A	Re-roofing of the Balboa Park Municipal Gymnasium and all items associated with it to make building Water Tight	 	\$ 297,000
10	1	LS	238160	Appendix A	Replacement of Door and Louvers and Vents	 	\$ 10,000
ESTIMATED TOTAL BASE BID							\$938,000

BIDDING DOCUMENTS

TOTAL BID PRICE FOR BID (Items 1 through 10 inclusive) amount written in words:

nine hundred thirty eight thousand ⁰⁰/₁₀₀

The Bid shall contain an acknowledgment of receipt of all addenda, the numbers of which shall be filled in on the Bid form. If an addendum or addenda has been issued by the City and not noted as being received by the Bidder, this proposal shall be rejected as being non-responsive. The following addenda have been received and are acknowledged in this bid: A

The names of all persons interested in the foregoing proposal as principals are as follows:

Craig Kinsman, President

Michael Stephenson, Vice President

Janet Reynolds, Secretary

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, state secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual co-partners composing firm; if Bidder or other interested person is an individual, state first and last names in full.


Bidder: Kinsman Construction, Inc Michael Stephenson

Title: Vice President

Business Address: 6711 Nancy Ridge Dr, San Diego CA 92121

Place of Business: 6711 Nancy Ridge Dr, San Diego CA 92121

Place of Residence: El Cajon, CA 1829 JASMINE ST EL CAJON CA 92120

Signature: 

BIDDING DOCUMENTS

NOTES:

- A. The City shall determine the low Bid based on the Base Bid alone.
- B. Prices and notations shall be in ink or typewritten. All corrections (which have been initiated by the Bidder using erasures, strike out, line out, or "white-out") shall be typed or written in with ink adjacent thereto, and shall be initialed in ink by the person signing the bid proposal.
- C. Failure to initial all corrections made in the bidding documents shall cause the Bid to be rejected as **non-responsive** and ineligible for further consideration.
- D. Blank spaces must be filled in, using figures. Bidder's failure to submit a price for any Bid item that requires the Bidder to submit a price shall render the Bid **non-responsive** and shall be cause for its rejection.
- E. Unit prices shall be entered for all unit price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceed two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
- F. All extensions of the unit prices bid will be subject to verification by the City. In the case of inconsistency or conflict between the product of the Quantity x Unit Price and the Extension, the product shall govern.
- G. In the case of inconsistency or conflict, between the sums of the Extensions with the estimated total Bid, the sum of the Extensions shall govern.
- H. Bids shall not contain any recapitulation of the Work. Conditional Bids will be rejected as being **non-responsive**. Alternative proposals will not be considered unless called for.

BIDDING DOCUMENTS

LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement shall result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>J.P. Witherow Roofing Co</u> Address: <u>10171e Riverford Rd</u> City: <u>Lakeside</u> State: <u>CA</u> Zip: <u>92040</u> Phone: <u>(619) 297-4701</u>	J.P. Witherow	Roofing	\$345,483.-			
Name: <u>J.P. Witherow Roofing Co</u> Address: <u>10171e Riverford Rd</u> City: <u>Lakeside</u> State: <u>CA</u> Zip: <u>92040</u> Phone: <u>(619) 297-4701</u>	J.P. Witherow	Sheet Metal	in roofing			
Name: <u>Nurse Stucco</u> Address: <u>12030 3rd St</u> City: <u>Lakeside</u> State: <u>CA</u> Zip: <u>92040</u> Phone: <u>(619) 561-7429</u>	Nurse Stucco	bath and Plaster	\$41,100. ⁰⁰			

① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, Bidder shall indicate if Subcontractor is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification (except for OBE, SLBE and ELBE).

BIDDING DOCUMENTS

LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement shall result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General, Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>SCW Contracting Corp</u> Address: <u>2225 Noid Hwy 395</u> City: <u>Fallbrook</u> State: <u>CA</u> Zip: <u>92028</u> Phone: <u>760-728-1308</u>	SCW Contracting Corp	Structural Steel	\$256,275. ⁰⁰			
Name: <u>Bowcon Company</u> Address: <u>1348 La Mirada Dr #A</u> City: <u>San Marcos</u> State: <u>CA</u> Zip: <u>92078</u> Phone: <u>760-736-8283</u>	Bowcon Company	Rough Carpentry	\$25,120. ⁰⁰	ELBE/ SLBE	City of San Diego	
Name: <u>Bowcon Company</u> Address: <u>1348 La Mirada Dr #A</u> City: <u>San Marcos</u> State: <u>CA</u> Zip: <u>92078</u> Phone: <u>760-736-8283</u>	Bowcon Company	Demolition	\$42,480. ⁰⁰	ELBE/ SLBE	City of San Diego	

① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, Bidder shall indicate if Subcontractor is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification (except for OBE, SLBE and ELBE).

BIDDING DOCUMENTS

LIST OF SUBCONTRACTORS

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement shall result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Bowcon Company</u> Address: <u>1345 Comrad Dr # A</u> City: <u>San Marcos</u> State: <u>CA</u> Zip: <u>92078</u> Phone: <u>760-736-5253</u>	<u>Bowcon Company</u>	<u>Metal Studs and Densglass</u>	<u>\$18,980.00</u>	<u>ELBE/SLBE</u> <u>121360547</u>	<u>City of San Diego</u>	
Name: <u>Allstate Plumbing & Pipe</u> Address: <u>5189 W Poppy</u> City: <u>Yuma</u> State: <u>AZ</u> Zip: <u>85364</u> Phone: <u>925-391-388</u>	<u>Allstate Plumbing & Pipe</u>	<u>plumbing</u>	<u>\$5,200.00</u>			
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

① As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, Bidder shall indicate if Subcontractor is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification (except for OBE, SLBE and ELBE).

BIDDING DOCUMENTS

NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

The Bidder seeking the recognition of equipment, materials, or supplies obtained from Suppliers towards achieving any mandatory, voluntary, or both subcontracting participation percentages shall list the Supplier(s) on the Named Equipment/Material Supplier List. The Named Equipment/Material Supplier List, at a minimum, shall have the name, locations (City) and the **DOLLAR VALUE** of the Suppliers. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for such materials and supplies unless vendor manufactures or substantially alters materials and supplies in which case 100% will be credited. The Bidder is to indicate (Yes/No) whether listed firm is a supplier or manufacturer. In calculating the subcontractor participation percentages, vendors/suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage, Suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE** for purposes of calculating the subcontractor participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

ⓐ As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

ⓑ As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
State of California	CA	U.S. Small Business Administration	SBA

The Bidder will not receive any subcontracting participation percentages if the Bidder fails to submit the required proof of certification (except for OBE, SLBE and ELBE).

Form Title: NAMED EQUIPMENT/MATERIAL SUPPLIER LIST

(Rev. July 2012)

Form Number: AA40

Balboa Park Municipal Gymnasium Roof Replacement

15 | Page

CONTRACT FORMS AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Kinsman Construction, Inc., herein called "Contractor" for construction of Balboa Park Municipal Gymnasium Roof Replacement; Bid No. K-13-5490-DBB-3; in the amount of Nine Hundred Thirty-Eight Thousand Dollars and 00/100 (\$938,000.00), which is comprised of the Base Bid.

IN CONSIDERATION of the payments to be made hereunder and the mutual undertakings of the parties hereto, City and Contractor agree as follows:

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Notice Inviting Bids and the Supplementary Special Provisions (SSP).
 - (d) Phase Funding Schedule Agreement and Supplemental Agreements.
 - (e) That certain documents entitled Balboa Park Municipal Gymnasium Roof Replacement, on file in the office of the Public Works Department as Document No. B-00972, as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner Balboa Park Municipal Gymnasium Roof Replacement, Bid Number K-13-5490-DBB-3, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

CONTRACT FORMS (continued)

AGREEMENT

IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, authorizing such execution.

THE CITY OF SAN DIEGO

APPROVED AS TO FORM AND LEGALITY

Jan I. Goldsmith, City Attorney

By: Tony Heinrichs
Tony Heinrichs
Director, Department of Public Works st

By: [Signature]
Print Name: Thomas Zelensky
Deputy City Attorney

Date: 6/24/13

Date: 6/26/13

CONTRACTOR

By: [Signature]

Print Name: Michael Stephenson

Title: Vice President

Date: 3/15/2013

City of San Diego License No.: 132012015922

State Contractor's License No.: 955119

CONTRACT ATTACHMENT
PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Kinsman Construction, Inc., a corporation, as principal, and
International Fidelity Insurance Company, a corporation authorized to do
business in the State of California, as Surety, hereby obligate themselves, their successors and
assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of
Nine Hundred Thirty-Eight Thousand Dollars and 00/100 (\$938,000.00) for the faithful
performance of the annexed contract, and in the sum of **Nine Hundred Thirty-Eight Thousand**
Dollars and 00/100(\$938,000.00) for the benefit of laborers and materialmen designated below.

Conditions:

If the Principal shall faithfully perform the annexed contract **Balboa Park Municipal Gymnasium Roof Replacement**, Bid Number **K-13-5490-DBB-3**, San Diego, California then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

If the Principal shall promptly pay all persons, firms and corporations furnishing materials for or performing labor in the execution of this contract, and shall pay all amounts due under the California Unemployment Insurance Act then the obligation herein with respect to laborers and materialmen shall be void; otherwise it shall remain in full force.

The obligation herein with respect to laborers and materialmen shall inure to the benefit of all persons, firms and corporations entitled to file claims under the provisions of Chapter 3 of Division 5 of Title I of the Government Code of the State of California or under the provisions of Section 3082 et seq. of the Civil Code of the State of California.

Changes in the terms of the annexed contract or specifications accompanying same or referred to therein shall not affect the Surety's obligation on this bond, and the Surety hereby waives notice of same.

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California)

County of San Diego)

On 14 March 2013 before me, Audrey Rodriguez, Notary Public
(here insert name and title of the officer)

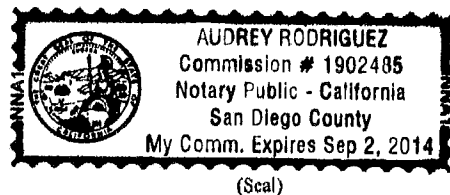
personally appeared Brooke Lafrenz

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Signature of Notary Public



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages _____ Document Date _____

(Additional information)

CAPACITY CLAIMED BY THE SIGNER

- Individual (s)
 Corporate Officer

(Title)

- Partner(s)
 Attorney-in-Fact
 Trustee(s)
 Other _____

Signer is Representing: Surety Company

POWER OF ATTORNEY

INTERNATIONAL FIDELITY INSURANCE COMPANY ALLEGHENY CASUALTY COMPANY

ONE NEWARK CENTER, 20TH FLOOR NEWARK, NEW JERSEY 07102-5207

KNOW ALL MEN BY THESE PRESENTS: That INTERNATIONAL FIDELITY INSURANCE COMPANY, a corporation organized and existing under the laws of the State of New Jersey, and ALLEGHENY CASUALTY COMPANY a corporation organized and existing under the laws of the State of Pennsylvania, having their principal office in the City of Newark, New Jersey, do hereby constitute and appoint

BROOKE LAFRENZ, MICHAEL W. THOMAS, LARRY D. COGDILL, GLADYS ROGERS, AUDREY RODRIGUEZ

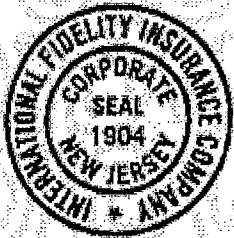
Woodland Hills, CA.

their true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by their regularly elected officers at their principal offices.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of the By-Laws of INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY and is granted under and by authority of the following resolution adopted by the Board of Directors of INTERNATIONAL FIDELITY INSURANCE COMPANY at a meeting duly held on the 20th day of July, 2010 and by the Board of Directors of ALLEGHENY CASUALTY COMPANY at a meeting duly held on the 15th day of August, 2000:

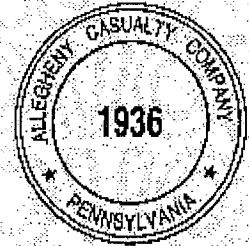
"RESOLVED, that (1) the President, Vice President, or Secretary of the Corporation shall have the power to appoint, and to revoke the appointments of, Attorneys-in-Fact or agents with power and authority as defined or limited in their respective powers of attorney, and to execute on behalf of the Corporation and affix the Corporation's seal thereto, bonds, undertakings, recognizances, contracts of indemnity and other written obligations in the nature thereof or related thereto; and (2) any such Officers of the Corporation may appoint and revoke the appointments of joint-control custodians, agents for acceptance of process, and Attorneys-in-fact with authority to execute waivers and consents on behalf of the Corporation; and (3) the signature of any such Officer of the Corporation and the Corporation's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seals when so used whether heretofore or hereafter, being hereby adopted by the Corporation as the original signature of such officer and the original seal of the Corporation, to be valid and binding upon the Corporation with the same force and effect as though manually affixed."

IN WITNESS WHEREOF, INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY have each executed and attested these presents on this 12th day of March, 2012.



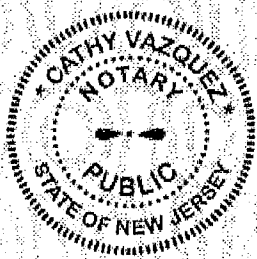
STATE OF NEW JERSEY
County of Essex

ROBERT W. MINSTER
Executive Vice President/Chief Operating Officer
(International Fidelity Insurance Company)
and President (Allegheny Casualty Company)



On this 12th day of March 2012, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said he is the therein described and authorized officer of INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY, that the seals affixed to said instrument are the Corporate Seals of said Companies; that the said Corporate Seals and his signature were duly affixed by order of the Boards of Directors of said Companies.

IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.



A NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Mar. 27, 2014

CERTIFICATION

I, the undersigned officer of INTERNATIONAL FIDELITY INSURANCE COMPANY and ALLEGHENY CASUALTY COMPANY do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Sections of the By-Laws of said Companies as set forth in said Power of Attorney, with the originals on file in the home office of said companies, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14TH day of MARCH, 2013

MARIA BRANCO, Assistant Secretary

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

PROJECT TITLE: Balboa Park Municipal Gymnasium Roof Replacement

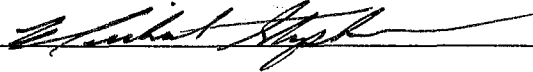
I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

Kinsman Construction Inc

(Name under which business is conducted)

has in place a drug-free workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of subdivisions a) through c) of the policy as outlined.

Signed



Printed Name

Michael Stephenson

Title

Vice President

CONTRACTOR CERTIFICATION

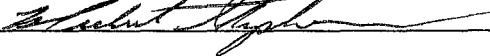
AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

PROJECT TITLE: Balboa Park Municipal Gymnasium Roof Replacement

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that;

Kingsman Construction Inc.
(Name under which business is conducted)

has in place workplace program that complies with said policy. I further certify that each subcontract agreement for this project contains language which indicates the subcontractor's agreement to abide by the provisions of the policy as outlined.

Signed 

Printed Name Michael Stephenson

Title Vice President

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

PROJECT TITLE: Balboa Park Municipal Gymnasium Roof Replacement

I declare under penalty of perjury that I am authorized to make this certification on behalf of Kinsman Construction Inc. as Contractor, that I am familiar with the requirements of City of San Diego Municipal Code § 22.3224 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

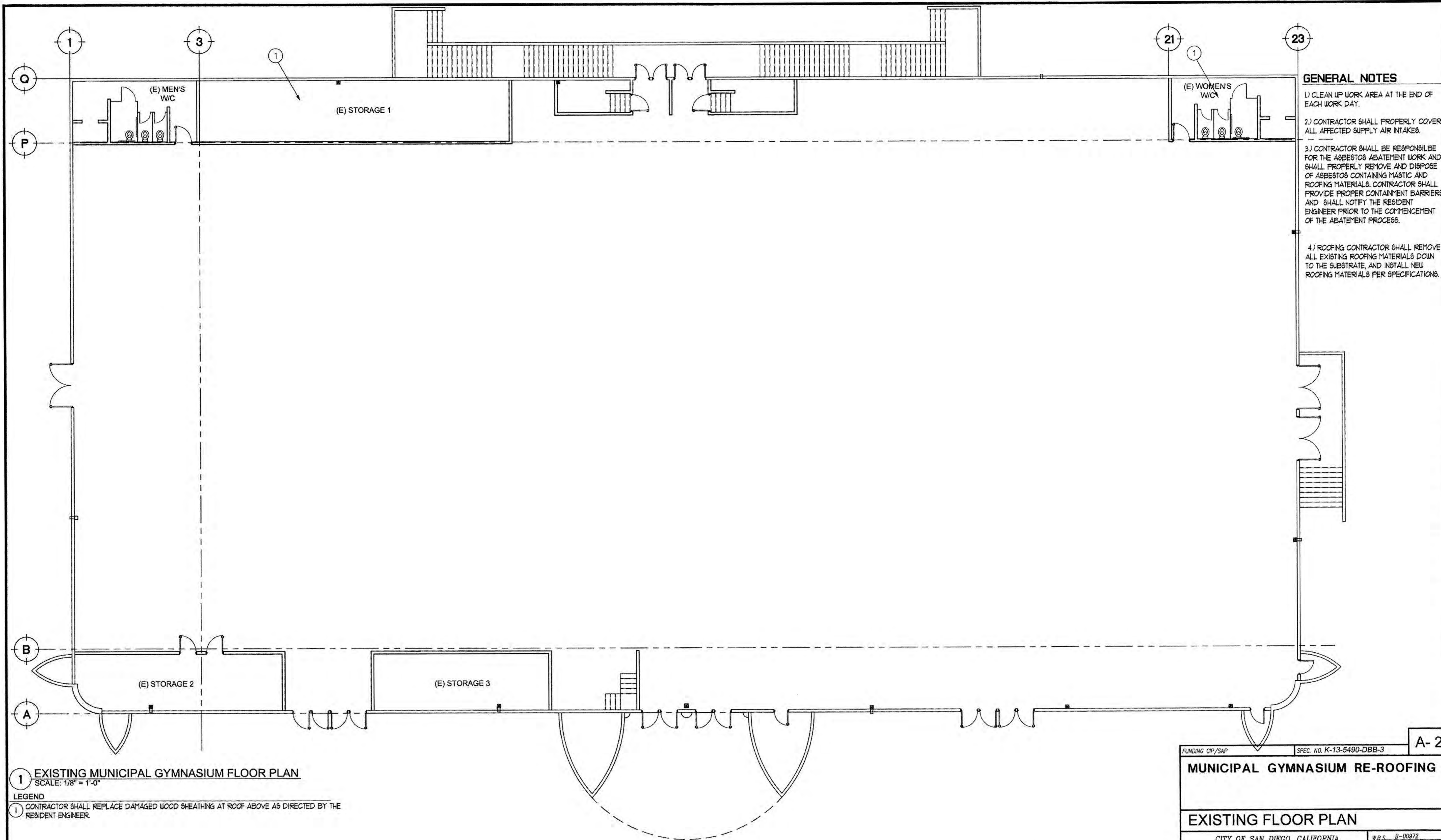
I further certify that each of the Contractor's subcontractors whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3224.

Dated this 15th Day of March, 2013.

Signed 

Printed Name Michael Stephenson

Title Vice President



- GENERAL NOTES**
- 1) CLEAN UP WORK AREA AT THE END OF EACH WORK DAY.
 - 2) CONTRACTOR SHALL PROPERLY COVER ALL AFFECTED SUPPLY AIR INTAKES.
 - 3) CONTRACTOR SHALL BE RESPONSIBLE FOR THE ASBESTOS ABATEMENT WORK AND SHALL PROPERLY REMOVE AND DISPOSE OF ASBESTOS CONTAINING MASTIC AND ROOFING MATERIALS. CONTRACTOR SHALL PROVIDE PROPER CONTAINMENT BARRIERS AND SHALL NOTIFY THE RESIDENT ENGINEER PRIOR TO THE COMMENCEMENT OF THE ABATEMENT PROCESS.
 - 4) ROOFING CONTRACTOR SHALL REMOVE ALL EXISTING ROOFING MATERIALS DOWN TO THE SUBSTRATE, AND INSTALL NEW ROOFING MATERIALS PER SPECIFICATIONS.

1 EXISTING MUNICIPAL GYMNASIUM FLOOR PLAN
SCALE: 1/8" = 1'-0"

LEGEND
1 CONTRACTOR SHALL REPLACE DAMAGED WOOD SHEATHING AT ROOF ABOVE A9 DIRECTED BY THE RESIDENT ENGINEER.

A-2

FUNDING QIP/SAP		SPEC. NO. K-13-5490-DBB-3	
MUNICIPAL GYMNASIUM RE-ROOFING			
EXISTING FLOOR PLAN			
CITY OF SAN DIEGO, CALIFORNIA SHEET 2 OF 10 SHEETS			W.B.S. B-00972
APPROVED	DATE	PROJECT MANAGER	
	12/13/12		
FOR CITY ENGINEER			
DESCRIPTION	BY	APPROVED	DATE
AS-BUILTS			
CONTRACTOR	DATE STARTED		
INSPECTOR	DATE COMPLETED		
			36528-2-D

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

DAVY ARCHITECTURE

CONSULTANT

811 TENTH AVENUE
SAN DIEGO CA 92101-6503
(619) 238-3811

WWW.DAVYARCHITECTURE.COM

SCALE: HORIZONTAL NO SCALE
VERTICAL NO SCALE

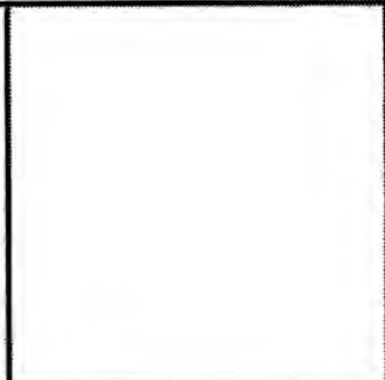


**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

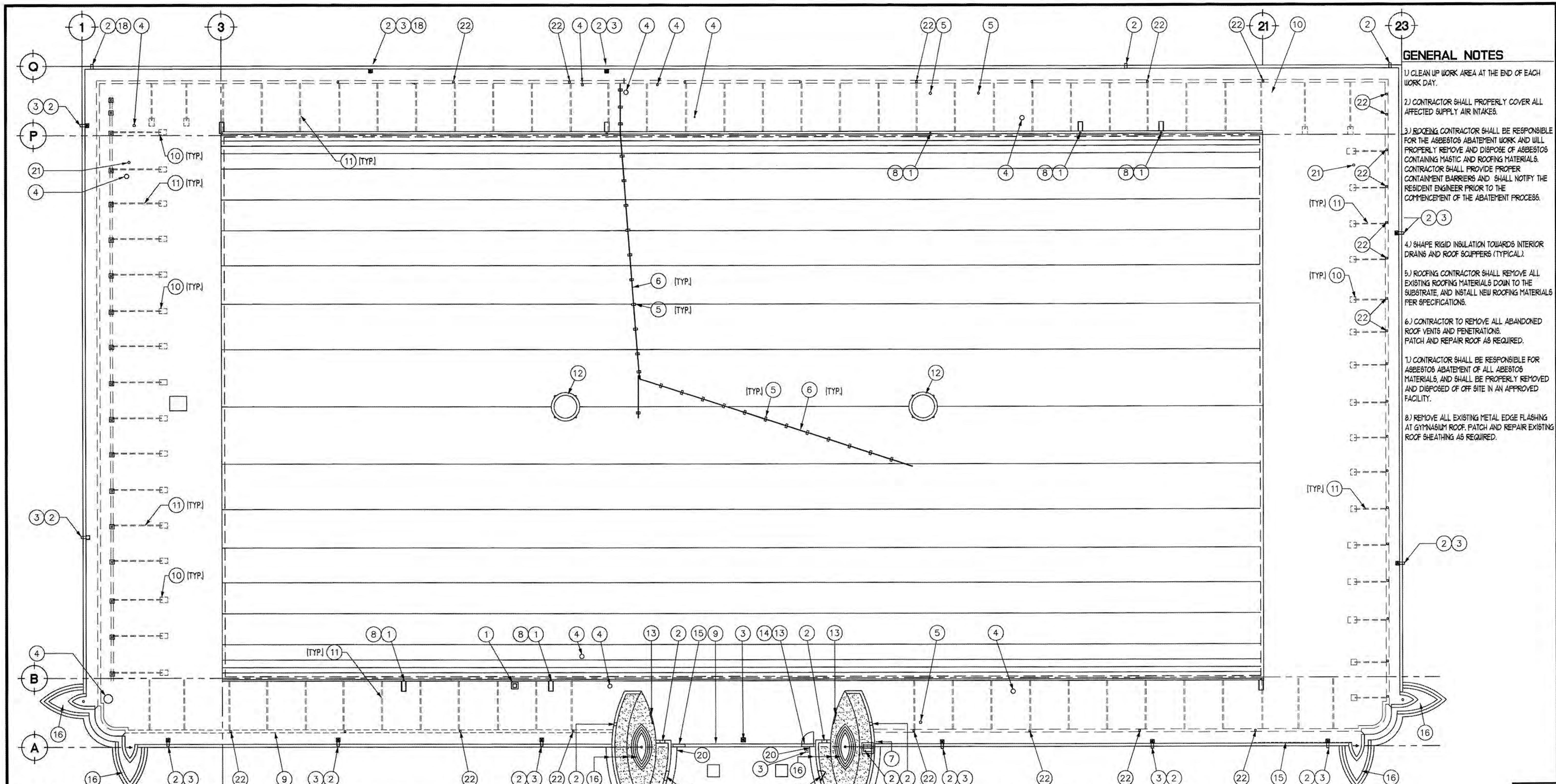
WARNING

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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE



MUNICIPAL GYMNASIUM - RE-ROOFING PROJECT



GENERAL NOTES

- 1) CLEAN UP WORK AREA AT THE END OF EACH WORK DAY.
- 2) CONTRACTOR SHALL PROPERLY COVER ALL AFFECTED SUPPLY AIR INTAKES.
- 3) ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR THE ASBESTOS ABATEMENT WORK AND WILL PROPERLY REMOVE AND DISPOSE OF ASBESTOS CONTAINING MASTIC AND ROOFING MATERIALS. CONTRACTOR SHALL PROVIDE PROPER CONTAINMENT BARRIERS AND SHALL NOTIFY THE RESIDENT ENGINEER PRIOR TO THE COMMENCEMENT OF THE ABATEMENT PROCESS.
- 4) SHAPE RIGID INSULATION TOWARDS INTERIOR DRAINS AND ROOF SCUFFERS (TYPICAL).
- 5) ROOFING CONTRACTOR SHALL REMOVE ALL EXISTING ROOFING MATERIALS DOWN TO THE SUBSTRATE, AND INSTALL NEW ROOFING MATERIALS PER SPECIFICATIONS.
- 6) CONTRACTOR TO REMOVE ALL ABANDONED ROOF VENTS AND PENETRATIONS. PATCH AND REPAIR ROOF AS REQUIRED.
- 7) CONTRACTOR SHALL BE RESPONSIBLE FOR ASBESTOS ABATEMENT OF ALL ASBESTOS MATERIALS, AND SHALL BE PROPERLY REMOVED AND DISPOSED OF OFF SITE IN AN APPROVED FACILITY.
- 8) REMOVE ALL EXISTING METAL EDGE FLASHING AT GYMNASIUM ROOF. PATCH AND REPAIR EXISTING ROOF SHEATHING AS REQUIRED.

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

- LEGEND**
- 1 EXISTING DOWNSPOUT AND GUTTER SUPPORTS TO BE REMOVED. CLEAN SURFACE AREA FOR INSTALLATION OF NEW GUTTERS AND SUPPORTS.
 - 2 REMOVE EXISTING METAL SCUFFER. CLEAN SURFACE AREA FOR INSTALLATION OF NEW SCUFFER.
 - 3 REMOVE EXISTING DRAIN SCREEN. PREP AREA FOR THE INSTALLATION OF NEW DOME ROOF DRAIN.
 - 4 EXISTING GAS VENT TO REMAIN. PROVIDE GALVANIZED METAL SLEEVE AND STORM COLLAR SEE DETAIL 5/ A-4 SHEET 4 OF 8.
 - 5 REPLACE (E) WOOD SLEEPERS AND INSTALL NEW RUBBER SLEEPERS PER SPECIFICATIONS.
 - 6 EXISTING EMT CONDUIT TO BE RE-INSTALLED AFTER RE-ROOFING OF GYMNASIUM.
 - 7 PROVIDE NEW FLASHING TO EXISTING VENT.
 - 8 CONCRETE SPLASH BLOCK REMOVED AND REINSTALLED AFTER COMPLETION OF RE-ROOFING.
 - 9 DEMO AND REMOVE EXISTING PARAPET WALL AND WOOD SUPPORTS IN THEIR ENTIRETY.
 - 10 REMOVE ALL EXISTING SHEET METAL PITCH PANS.
 - 11 REMOVE AND DEMOLISH ALL EXISTING 2X4 WOOD BRACING MEMBERS, PATCH AND REPAIR EXISTING ROOF DECK AS REQUIRED FOR INSTALL OF NEW METAL SUPPORTS.
 - 12 (E) EXHAUST FAN AND CURB TO REMAIN. REMOVE EXISTING FLASHING AND INSTALL NEW GALVANIZED FLASHING.
 - 13 CAREFULLY REMOVE EXISTING THROUGH THE WALL WOOD LOUVER AND PROVIDE NEW GALVANIZED METAL LOUVER WITH INSECT SCREEN FACTORY FINISH AND FIELD PAINTED. SHIM AS REQUIRED PROVIDE BACKER ROD, BOND BREAKER AND SEALANT PER SPECIFICATIONS. FIELD VERIFY LOUVER SIZE.
 - 14 REMOVE AND REPLACE EXISTING 28' WIDE X 48' HIGH PLYWOOD DOOR WITH NEW DOOR. DOOR SHALL BE EXTERIOR GRADE PRIMED AND PAINTED TO MATCH BUILDING DOOR JAMB, HEAD AND SILL TO BE REFURBISHED AS NEEDED PRIMED AND PAINTED. REPLACE DOOR HINGES AND PROVIDE LOCKSET, CALK AND SEAL PER SPECIFICATIONS.
 - 15 REMOVE EXISTING ROOFING MATERIAL FROM PARAPET OR WALL. PATCH AND REPAIR PARAPET WALL TO MATCH EXISTING PARAPET WALL CONSTRUCTION. PATCH AND REPAIR WITH EXTERIOR STUCCO OVER METAL LATH. FINISH, TEXTURE AND COLOR TO MATCH EXISTING.
 - 16 CLEAN STUCCO PLASTER AND APPLY DEXTOX ELASTOMERIC WATERPROOFING AND SURFACING SYSTEM.
 - 17 REMOVE EXISTING WOOD DOOR AND INSTALL NEW 20" W X 30" H METAL GALV. LOUVERED DOOR PRIMED AND PAINTED.
 - 18 PATCH AND REPAIR WATERPROOFING MEMBRANE AND EXTERIOR STUCCO FINISH. FINISH AND COLOR TO MATCH EXISTING.
 - 19 PATCH AND REPAIR EXISTING EXTERIOR STUCCO WALL AS REQUIRED. INFILL WITH 2X CONSTRUCTION TO MATCH EXISTING PROVIDE WATER PROOFING MEMBRANE, METAL LATH AND STUCCO FINISH. FINISH AND COLOR TO MATCH EXISTING.
 - 20 REMOVE AND INSTALL NEW PLUMBING VENT PER DETAIL 10/A-5
 - 21 REMOVE AND INSTALL NEW PLUMBING VENT PER DETAIL 10/A-5
 - 22 REMOVE AND DISPOSE OF ALL EXISTING VERTICAL WOOD PARAPET SUPPORTS.

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

CONSULTANT

DAVY ARCHITECTURE
811 TENTH AVENUE
SAN DIEGO CA 92101-6503
(619) 238-3811

WWW.DAVYARCHITECTURE.COM

SCALE: HORIZONTAL NO SCALE, VERTICAL NO SCALE



CITY OF SAN DIEGO PUBLIC WORKS PROJECT

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

FUNDING CIP/SAP: _____ SPEC. NO. K-13-5490-DBB-3

MUNICIPAL GYMNASIUM RE-ROOFING

ROOF PLAN / DEMO PLAN

CITY OF SAN DIEGO, CALIFORNIA
SHEET 3 OF 10 SHEETS

W.B.S. B-00972

APPROVED: *[Signature]* 12/13/12
FOR CITY ENGINEER DATE PROJECT MANAGER

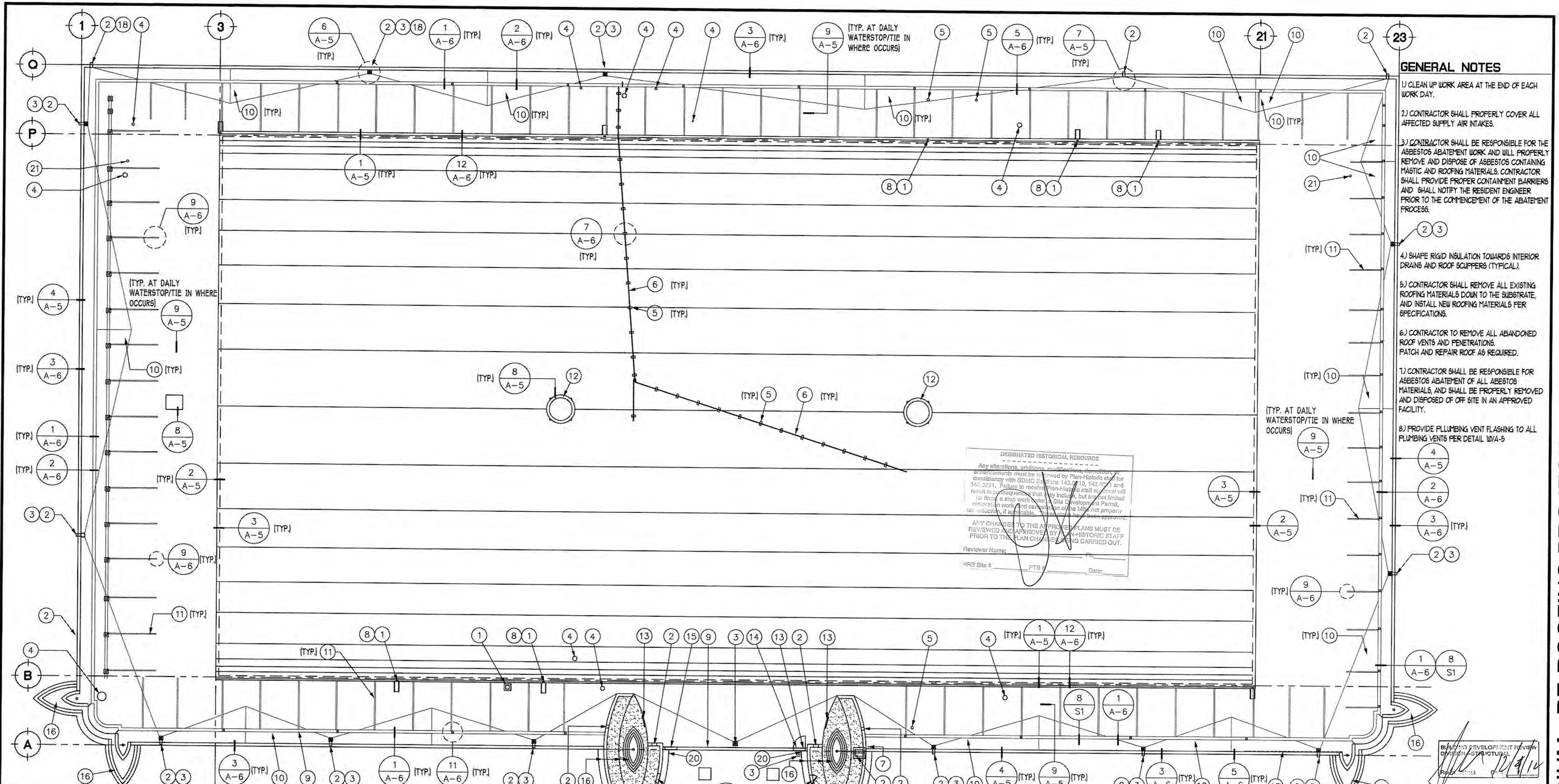
DESCRIPTION	BY	APPROVED	DATE	FILMED

AS-BUILTS

CONTRACTOR: _____ DATE STARTED: _____
INSPECTOR: _____ DATE COMPLETED: _____

36528-3-D

MUNICIPAL GYMNASIUM - RE-ROOFING PROJECT



GENERAL NOTES

- 1) CLEAN UP WORK AREA AT THE END OF EACH WORK DAY.
- 2) CONTRACTOR SHALL PROPERLY COVER ALL AFFECTED SUPPLY AIR INTAKES.
- 3) CONTRACTOR SHALL BE RESPONSIBLE FOR THE ASBESTOS ABATEMENT WORK AND WILL PROPERLY REMOVE AND DISPOSE OF ASBESTOS CONTAINING MASTIC AND ROOFING MATERIALS. CONTRACTOR SHALL PROVIDE PROPER CONTAINMENT BARRIERS AND SHALL NOTIFY THE RESIDENT ENGINEER PRIOR TO THE COMMENCEMENT OF THE ABATEMENT PROCESS.
- 4) SHAPE RIGID INSULATION TOWARDS INTERIOR DRAINS AND ROOF SCUPPERS (TYPICAL).
- 5) CONTRACTOR SHALL REMOVE ALL EXISTING ROOFING MATERIALS DOWN TO THE SUBSTRATE, AND INSTALL NEW ROOFING MATERIALS PER SPECIFICATIONS.
- 6) CONTRACTOR TO REMOVE ALL ABANDONED ROOF VENTS AND PENETRATIONS. PATCH AND REPAIR ROOF AS REQUIRED.
- 7) CONTRACTOR SHALL BE RESPONSIBLE FOR ASBESTOS ABATEMENT OF ALL ASBESTOS MATERIALS, AND SHALL BE PROPERLY REMOVED AND DISPOSED OF OFF SITE IN AN APPROVED FACILITY.
- 8) PROVIDE PLUMBING VENT FLASHING TO ALL PLUMBING VENTS PER DETAIL 10/A-5

DESIGNATED HISTORICAL RESOURCE
 Any alterations, additions, modifications, demolition, or replacements must be reviewed by Plan-Historic staff for consistency with SDGHS Sections 143.0710, 143.0711 and 143.0251. Failure to receive Plan-Historic staff approval will result in consequences that may include, but are not limited to, a stop-work order, a Site Development Permit, an injunction, or other actions of the MHP Act property. Any changes to the approved plans must be reviewed and approved by the HISTORIC STAFF PRIOR TO THE PLAN CHANGES BEING CARRIED OUT.
 Reviewer Name: _____
 HRB Site # _____ PTS # _____ Date: _____

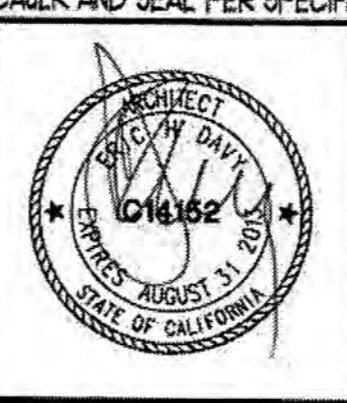
1 MUNICIPAL GYMNASIUM RENOVATION ROOF PLAN
 SCALE: 1/8" = 1'-0"

- LEGEND**
- 1 NEW DOWNSPOUT AND GUTTER SUPPORTS AND DOWNSPOUT TO BE INSTALLED PER SMACNA STANDARDS. PRIME AND PAINT TO MATCH EXISTING.
 - 2 NEW METAL SCUPPER AND INSTALL NEW GALV. METAL SCUPPER TO MATCH EXISTING IN DESIGN.
 - 3 NEW DOME ROOF DRAIN. SEE DETAIL 6/A-5.
 - 4 PROVIDE NEW GALVANIZED METAL SLEEVE AND STORM COLLAR SEE DETAIL 5/ A-5 SHEET 5 OF 9.
 - 5 REPLACE ALL EXISTING WOOD SLEEPERS WITH NEW RUBBER SLEEPERS PER SPECIFICATIONS. ALSO SEE DET. 7/A-6
 - 6 EXISTING EMT CONDUIT TO BE RE-INSTALLED AFTER RE-ROOFING OF GYMNASIUM.
 - 7 PROVIDE NEW FLASHING TO EXISTING VENT.
 - 8 CONCRETE SPLASH BLOCK REMOVED AND REINSTALLED AFTER COMPLETION OF RE-ROOFING.
 - 9 NEW ROUNDED STUCCO CAP TO MATCH EXISTING IN PROFILE AND FINISH, PAINT TO MATCH.
 - 10 NEW SHAPED ROOF CRICKET, TAPER SLOPE TOWARDS ROOF DRAIN OR ROOF SCUPPER.
 - 11 NEW BRACING MEMBER(S). SEE SHEET. 91 FOR ADDITIONAL INFORMATION AND DETAILS (TYPICAL).
 - 12 (E) EXHAUST FAN AND CURB TO REMAIN. INSTALL NEW GALVANIZED CURB BASE FLASHING AS REQUIRED.
 - 13 NEW GALVANIZED METAL LOUVER WITH INSECT SCREEN, FACTORY PRIMED AND FIELD PAINTED. 3/4" AS REQUIRED PROVIDE BACKER ROD, BOND BREAKER AND SEALANT PER SPECIFICATIONS. FIELD VERIFY LOUVER SIZE.
 - 14 NEW DOOR SHALL BE EXTERIOR GRADE PRIMED AND PAINTED TO MATCH BUILDING. DOOR JAMB, HEAD AND SILL TO BE REFURBISHED AS NEEDED PRIMED AND PAINTED.
 - 15 PATCH AND REPAIR PARAPET WALL TO MATCH EXISTING PARAPET WALL. CONSTRUCTION PATCH AND REPAIR WITH EXTERIOR STUCCO OVER METAL LATH. FINISH, TEXTURE AND COLOR TO MATCH EXISTING.
 - 16 CLEAN STUCCO FLASTER AND APPLY DEXTOX ELASTOMERIC WATERPROOFING AND SURFACING SYSTEM.
 - 17 NEW 20" W X 30" H METAL GALV. LOUVERED DOOR PRIMED AND PAINTED.
 - 18 NEW LEADER BOX AND REPAIR LEADER LINE AS NECESSARY.
 - 19 PATCH AND REPAIR WATERPROOFING MEMBRANE AND EXTERIOR STUCCO FINISH FINISH AND COLOR TO MATCH EXISTING.
 - 20 PATCH AND REPAIR EXISTING EXTERIOR STUCCO WALL. AS REQUIRED. INFILL WITH 2X CONSTRUCTION TO MATCH EXISTING PROVIDE WATER PROOFING MEMBRANE, METAL LATH AND STUCCO FINISH FINISH AND COLOR TO MATCH EXISTING.
 - 21 NEW PLUMBING VENT PER DETAIL 10/A-5

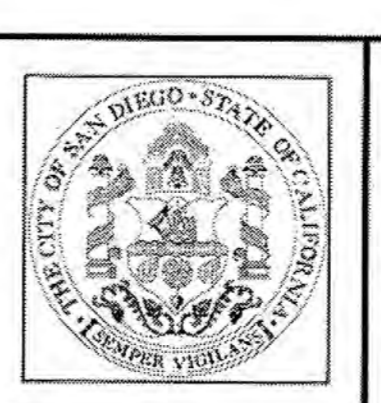
- 18 NEW LEADER BOX AND REPAIR LEADER LINE AS NECESSARY.
- 19 PATCH AND REPAIR WATERPROOFING MEMBRANE AND EXTERIOR STUCCO FINISH FINISH AND COLOR TO MATCH EXISTING.
- 20 PATCH AND REPAIR EXISTING EXTERIOR STUCCO WALL. AS REQUIRED. INFILL WITH 2X CONSTRUCTION TO MATCH EXISTING PROVIDE WATER PROOFING MEMBRANE, METAL LATH AND STUCCO FINISH FINISH AND COLOR TO MATCH EXISTING.
- 21 NEW PLUMBING VENT PER DETAIL 10/A-5

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

DAVY ARCHITECTURE
 811 TENTH AVENUE
 SAN DIEGO CA 92101-6503
 (619) 238-3811
 WWW.DAVYARCHITECTURE.COM
 SCALE: HORIZONTAL NO SCALE, VERTICAL NO SCALE



CITY OF SAN DIEGO PUBLIC WORKS PROJECT



WARNING
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

FUNDING CIP/SAP: _____ SPEC. NO. K-13-5490-DBB-3

MUNICIPAL GYMNASIUM RE-ROOFING

ROOF PLAN

CITY OF SAN DIEGO, CALIFORNIA
 SHEET 4 OF 10 SHEETS

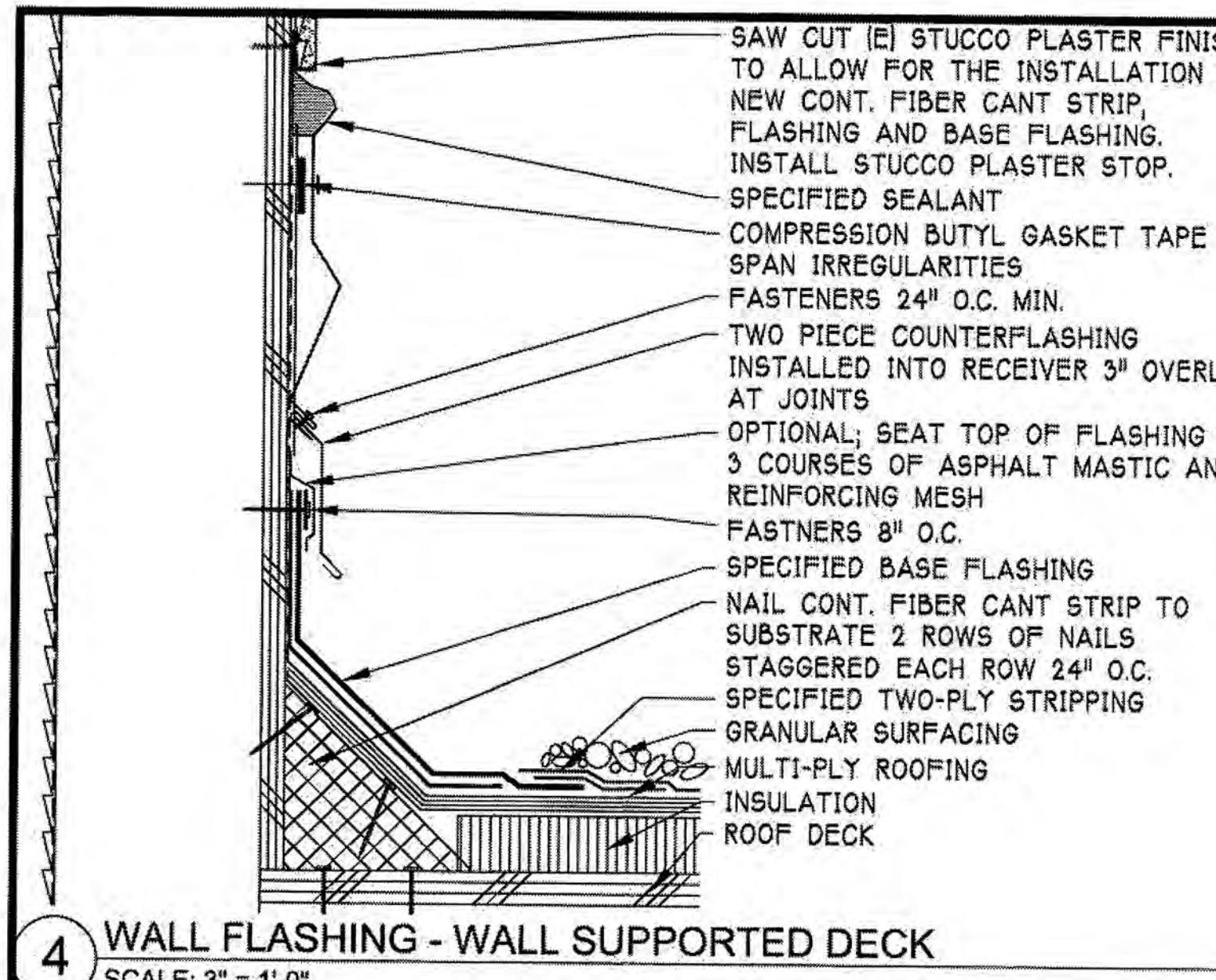
DATE: 12/13/12

DESCRIPTION	BY	APPROVED	DATE	FILMED

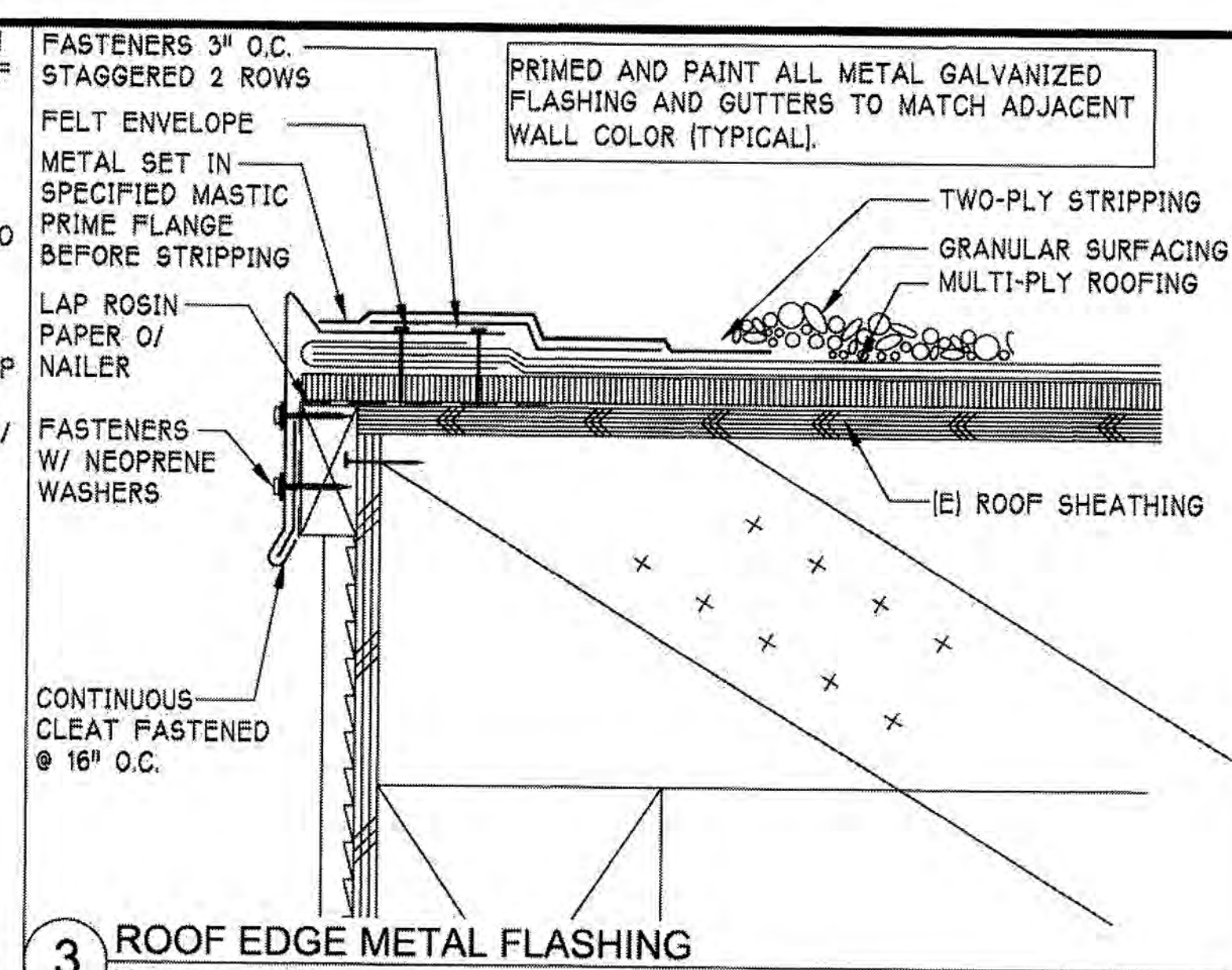
CONTRACTOR: _____ DATE STARTED: _____
 INSPECTOR: _____ DATE COMPLETED: _____

36528-4-D

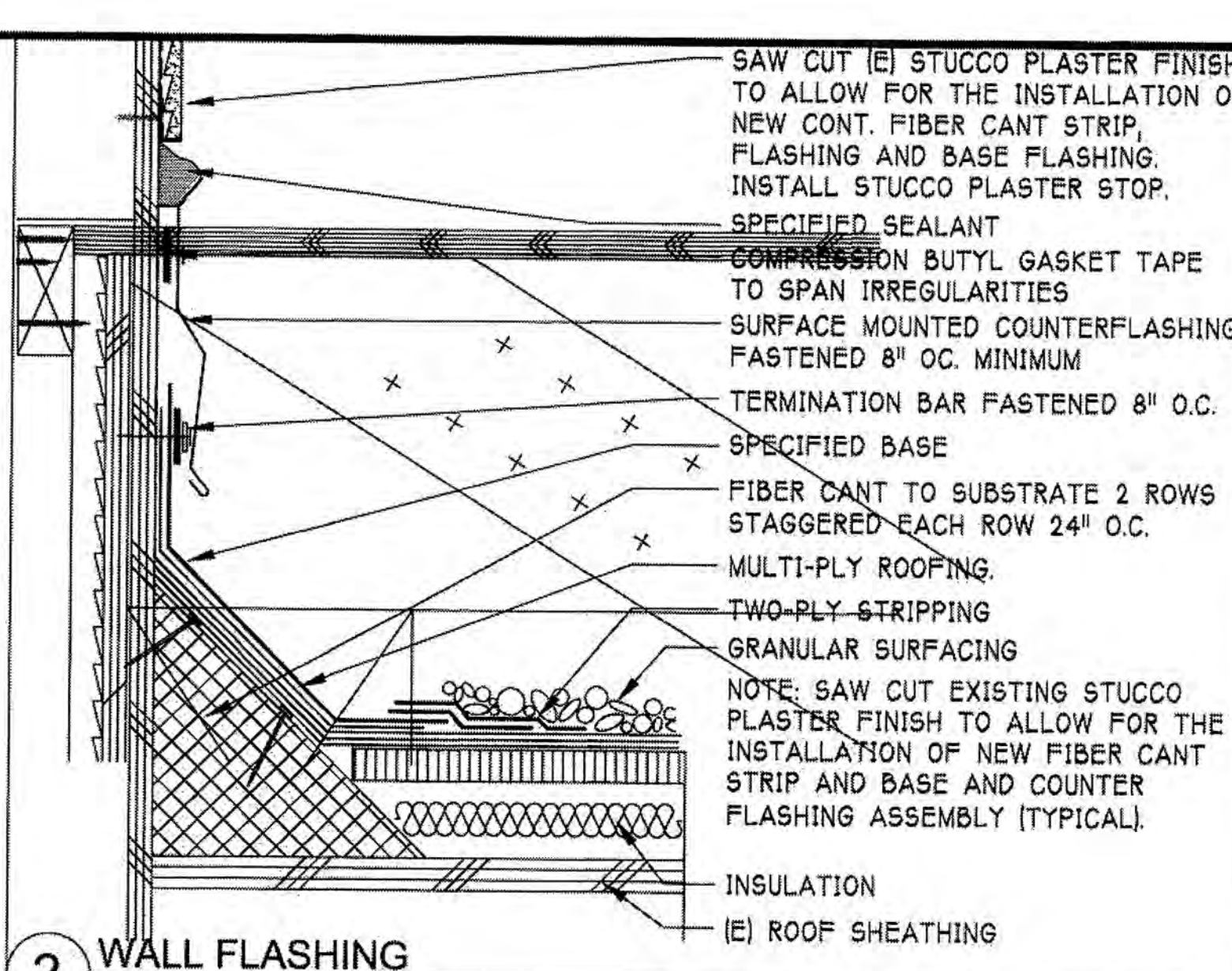
MUNICIPAL GYMNASIUM - RE-ROOFING PROJECT



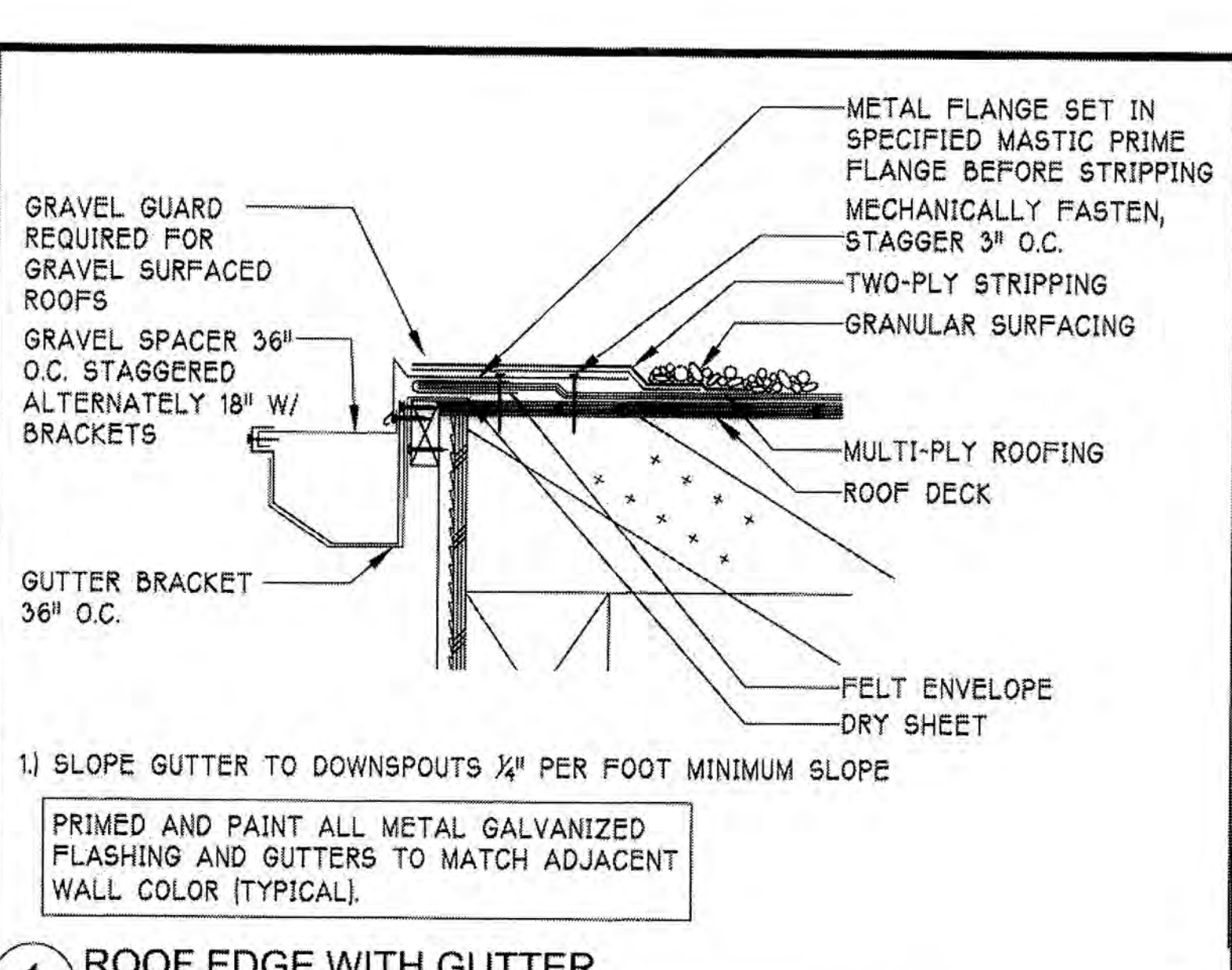
4 WALL FLASHING - WALL SUPPORTED DECK
SCALE: 3" = 1'-0"



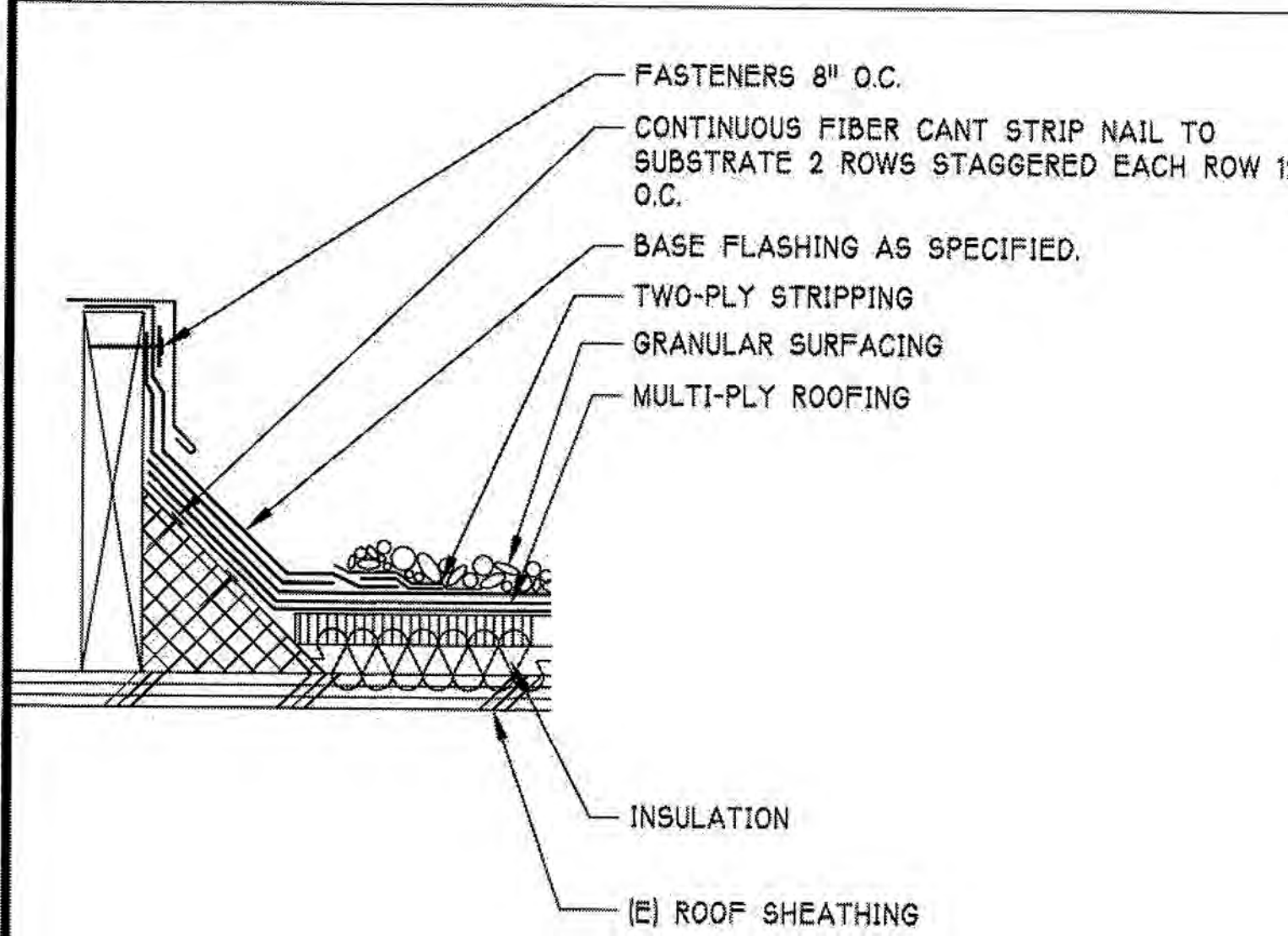
3 ROOF EDGE METAL FLASHING
SCALE: 3" = 1'-0"



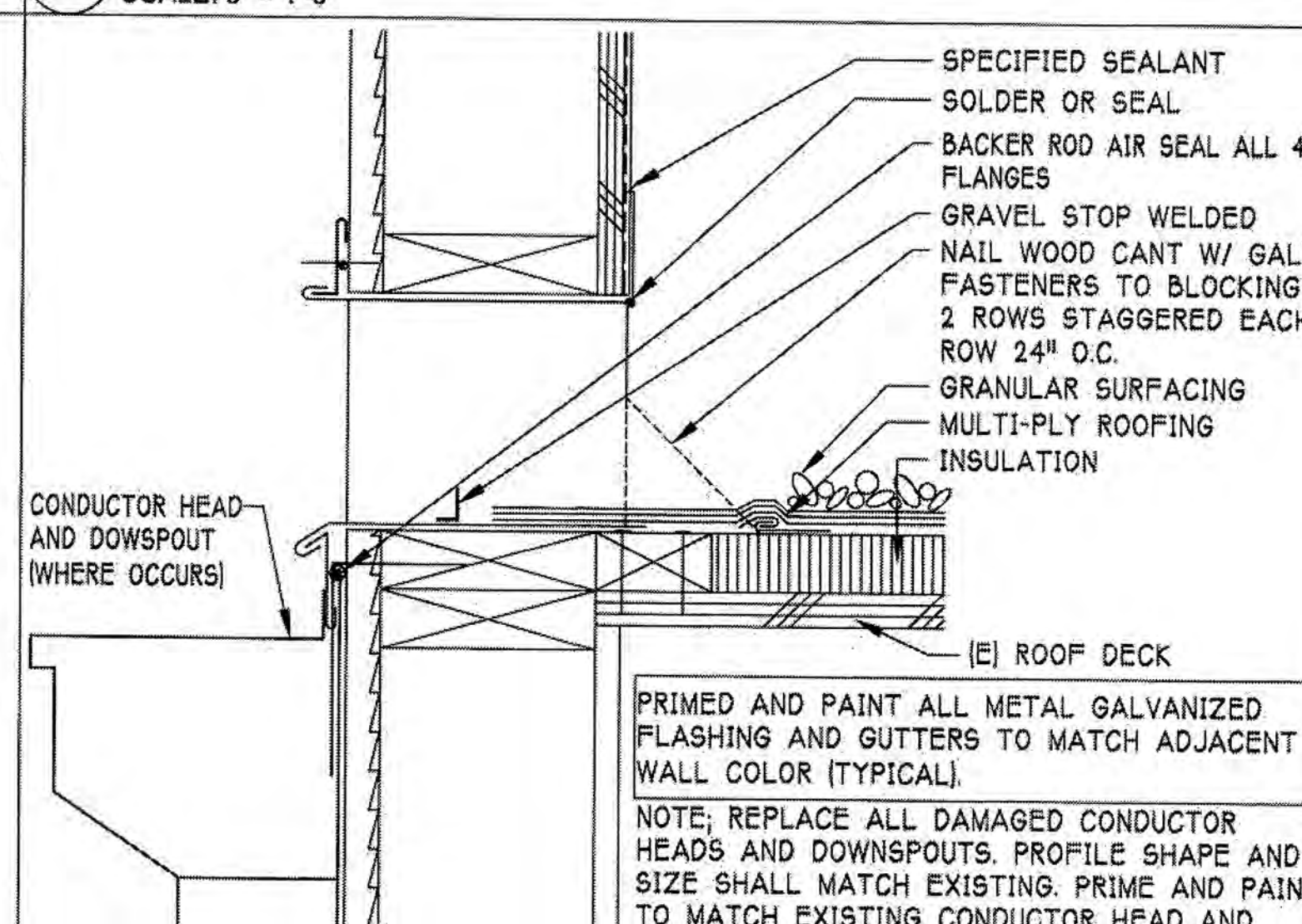
2 WALL FLASHING
SCALE: 3" = 1'-0"



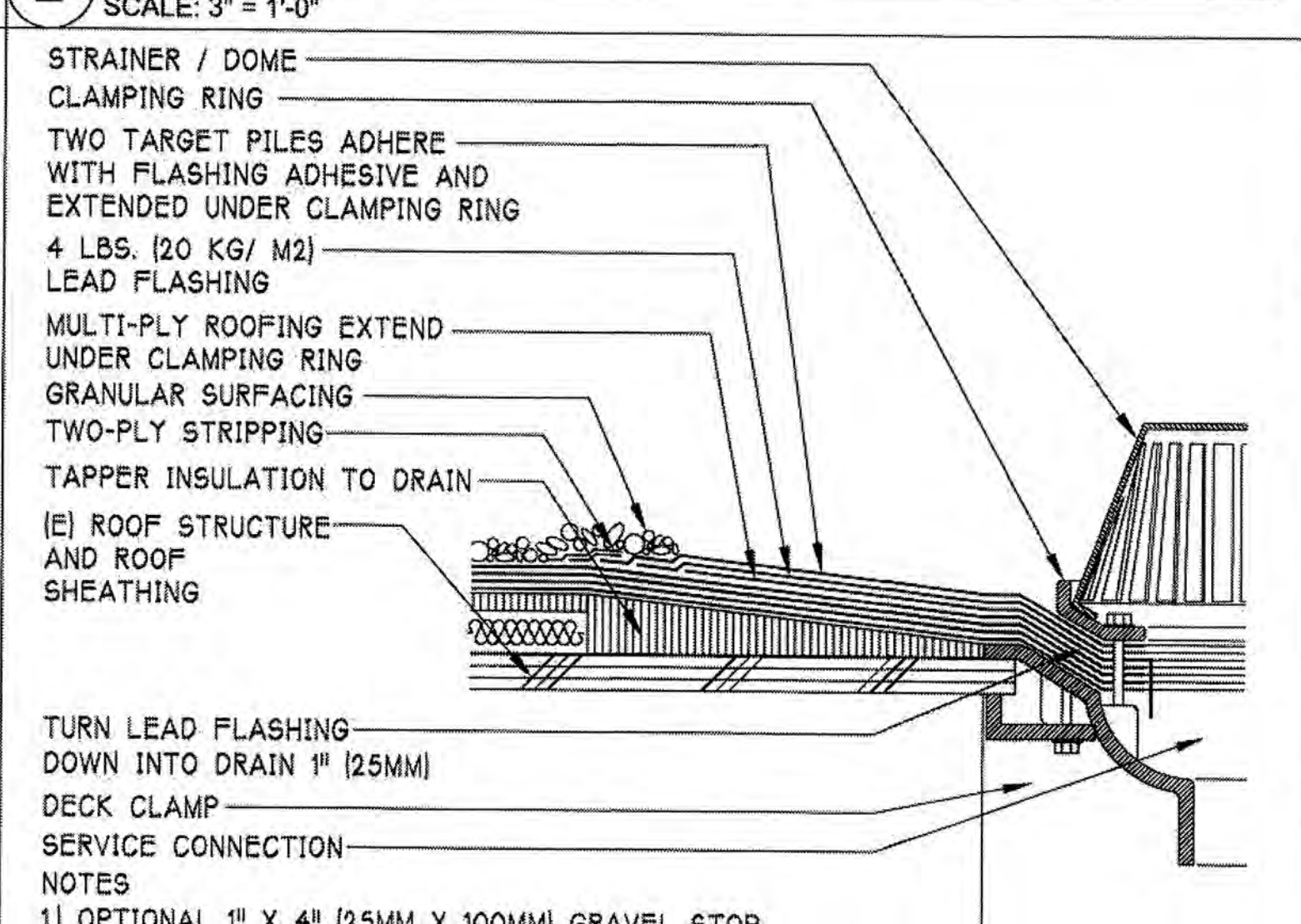
1 ROOF EDGE WITH GUTTER
SCALE: 3" = 1'-0"



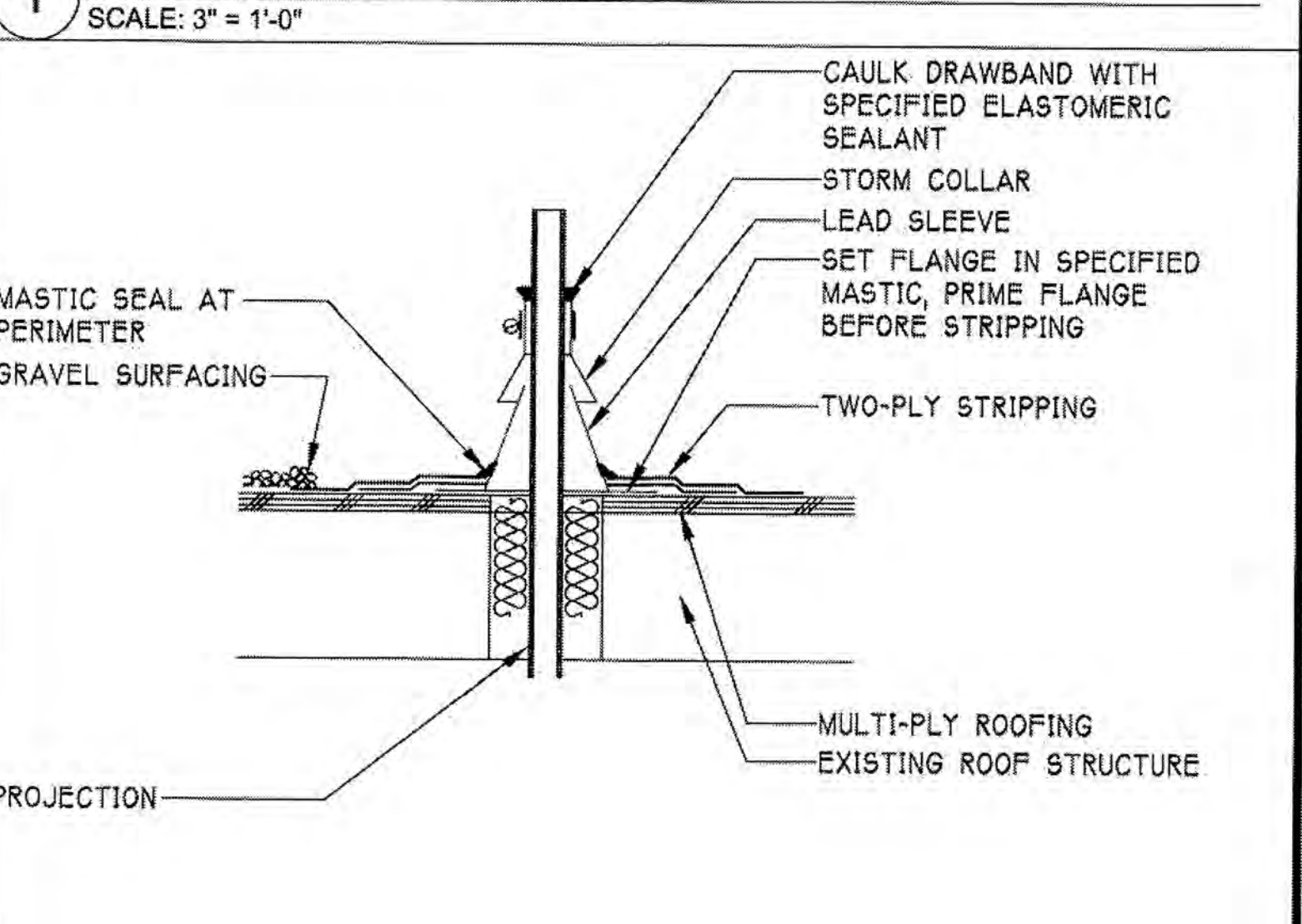
8 WOOD CURB
SCALE: 3" = 1'-0"



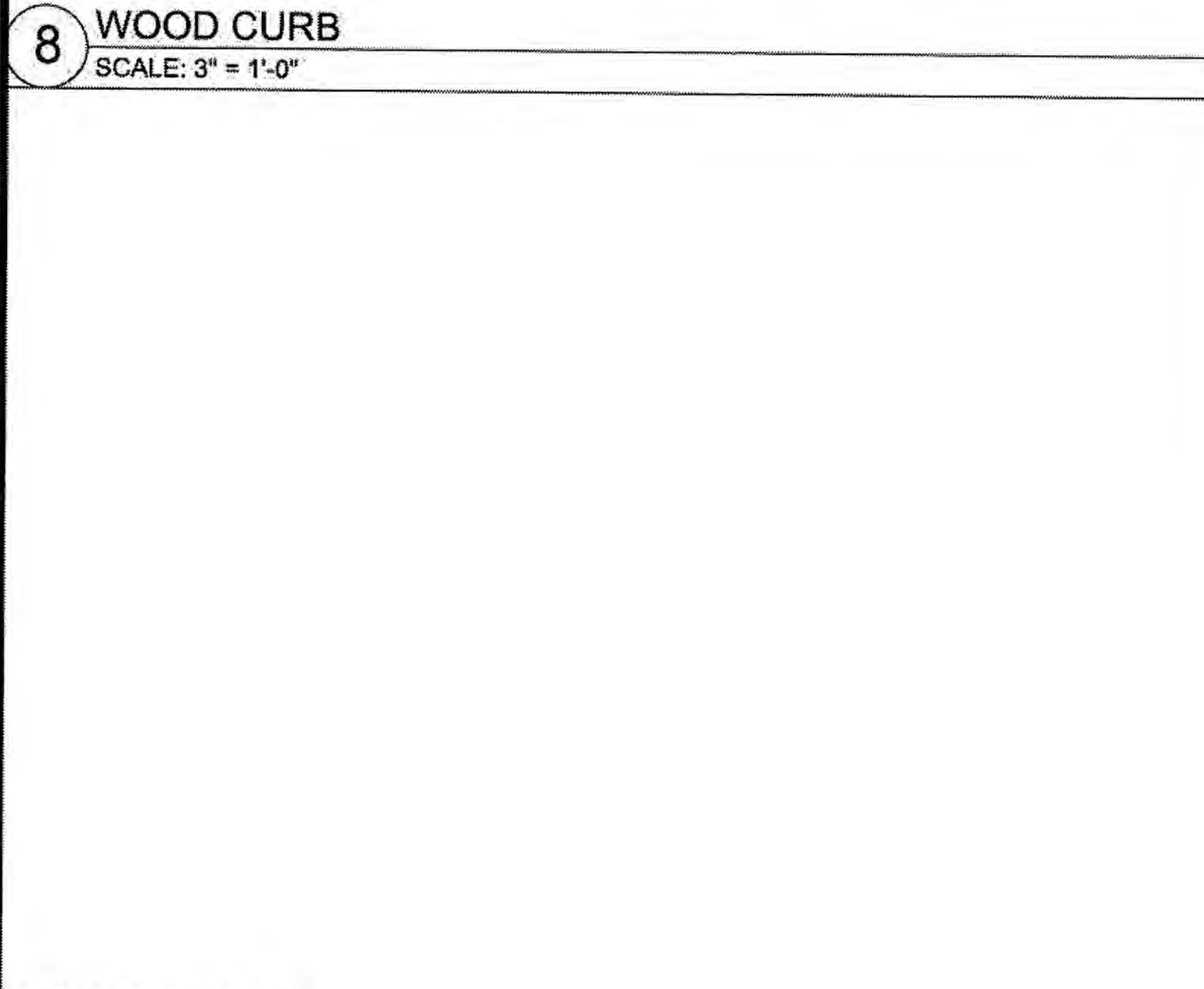
7 THROUGH THE WALL SCUPPER & DOWNSPOUT
SCALE: 3" = 1'-0"



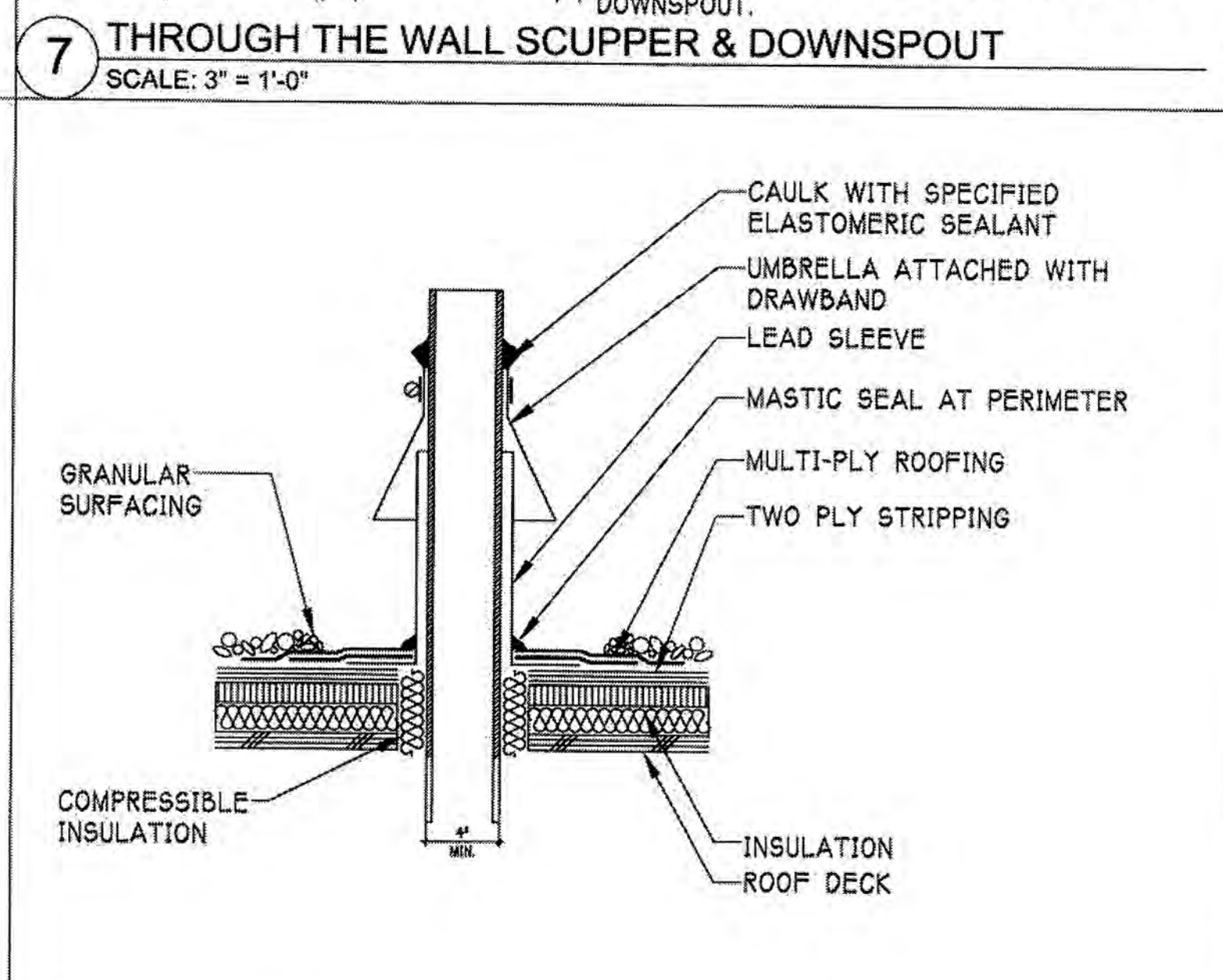
6 ROOF DRAIN
SCALE: 3" = 1'-0"



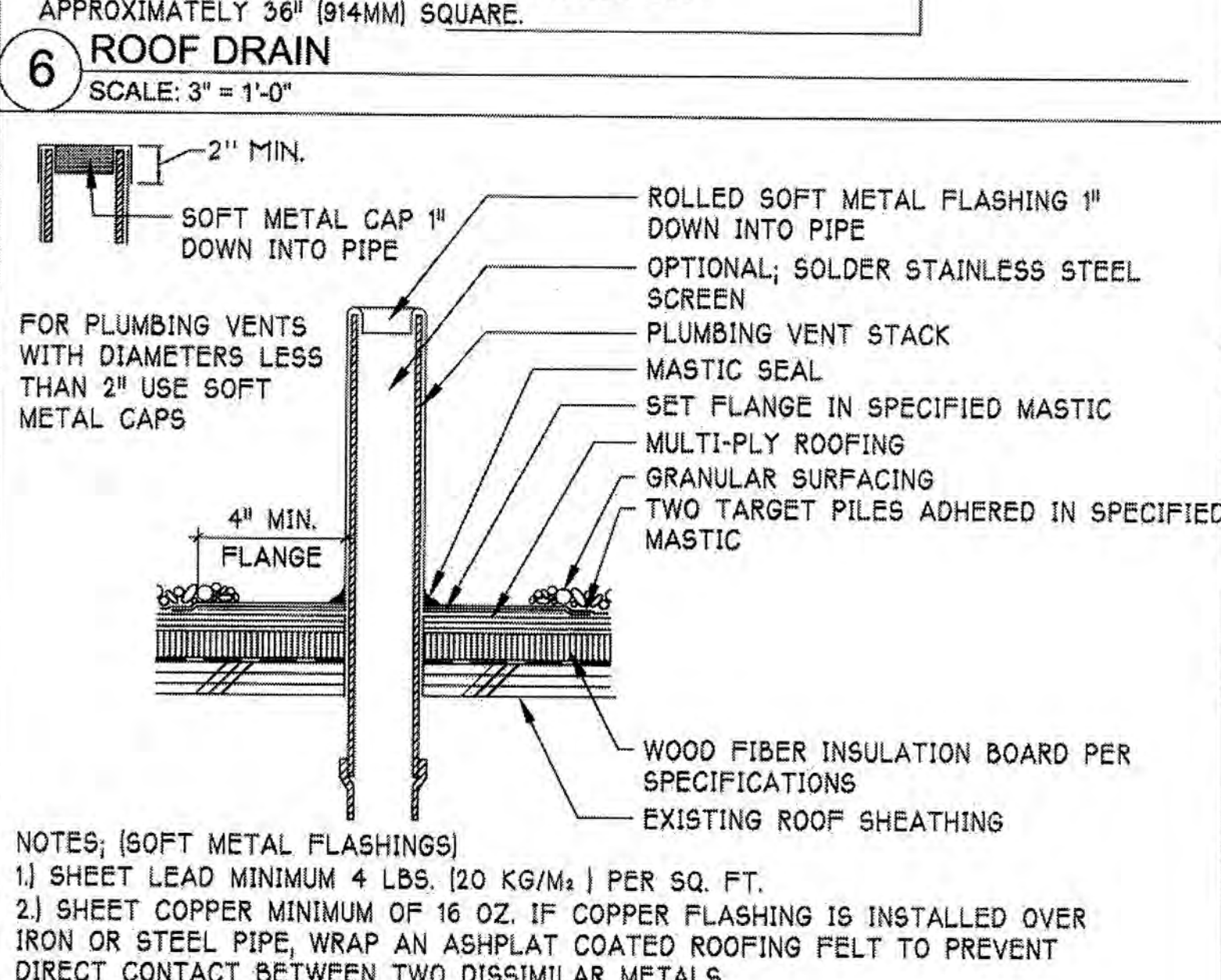
5 METAL SLEEVE AND STORM COLLAR
SCALE: 3" = 1'-0"



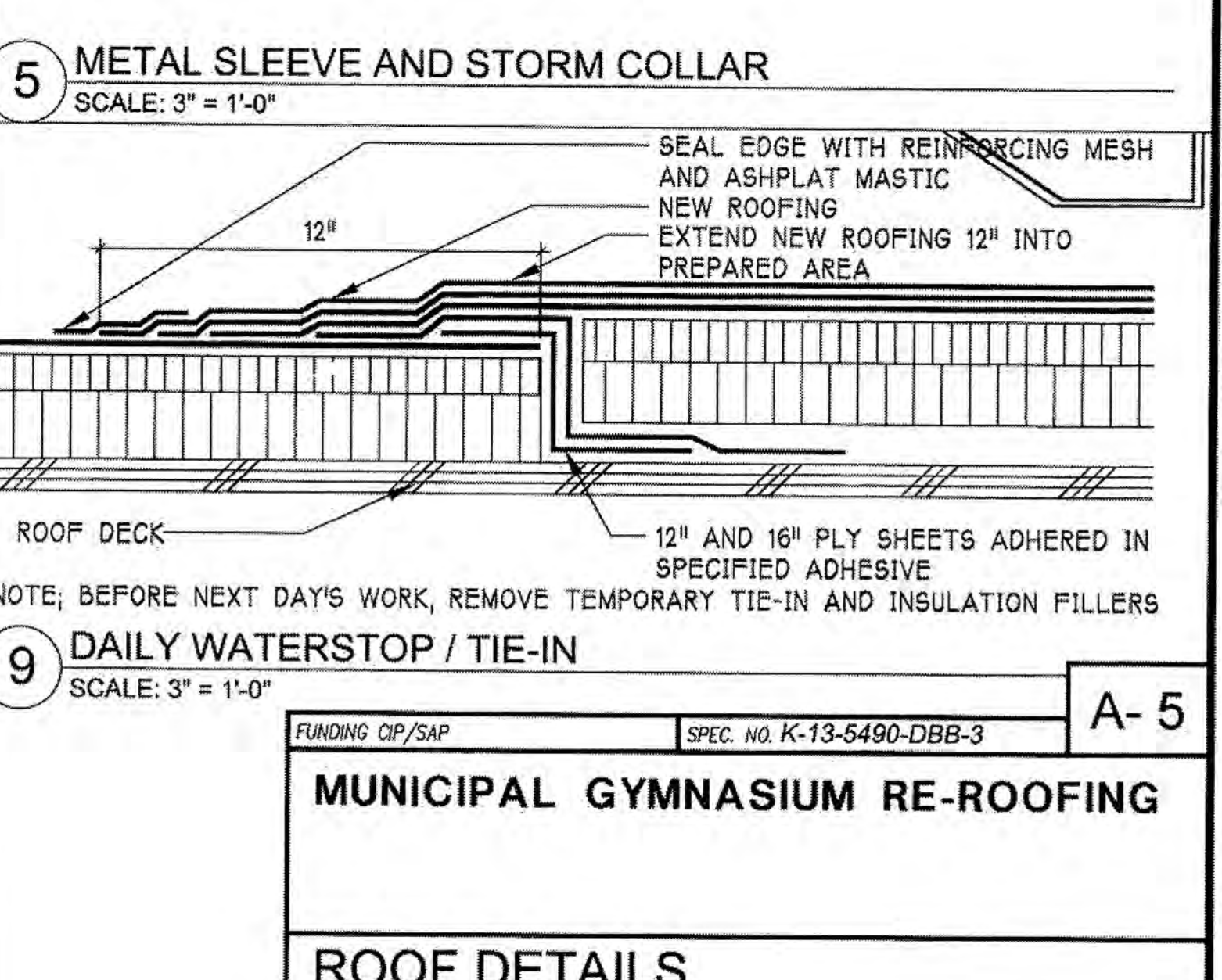
12 NOT USED
SCALE:



11 EQUIPMENT STAND
SCALE: 3" = 1'-0"



10 PLUMBING VENT FLASHING
SCALE: 3" = 1'-0"



9 DAILY WATERSTOP / TIE-IN
SCALE: 3" = 1'-0"

CONSTRUCTION CHANGE / ADDENDUM			
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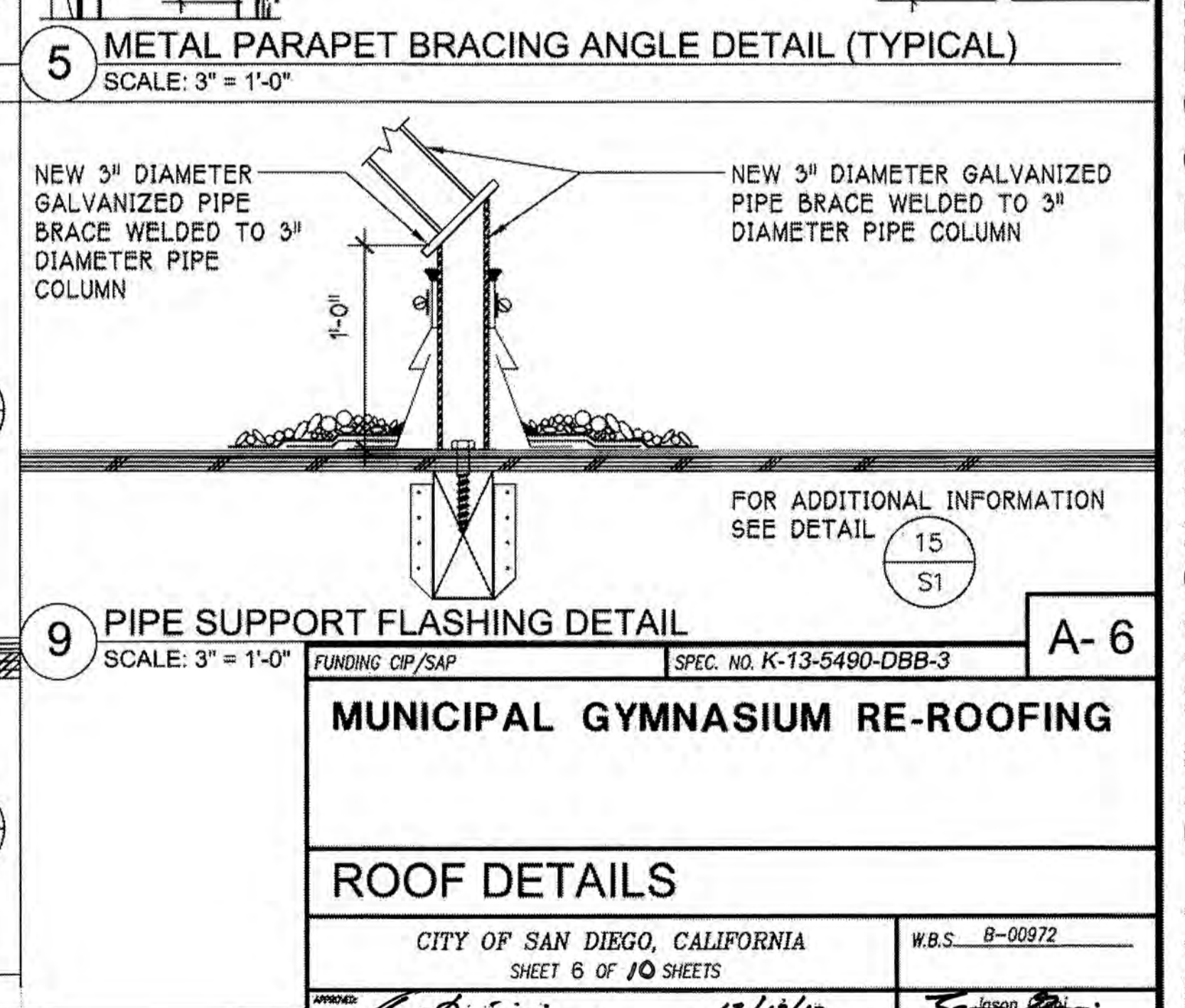
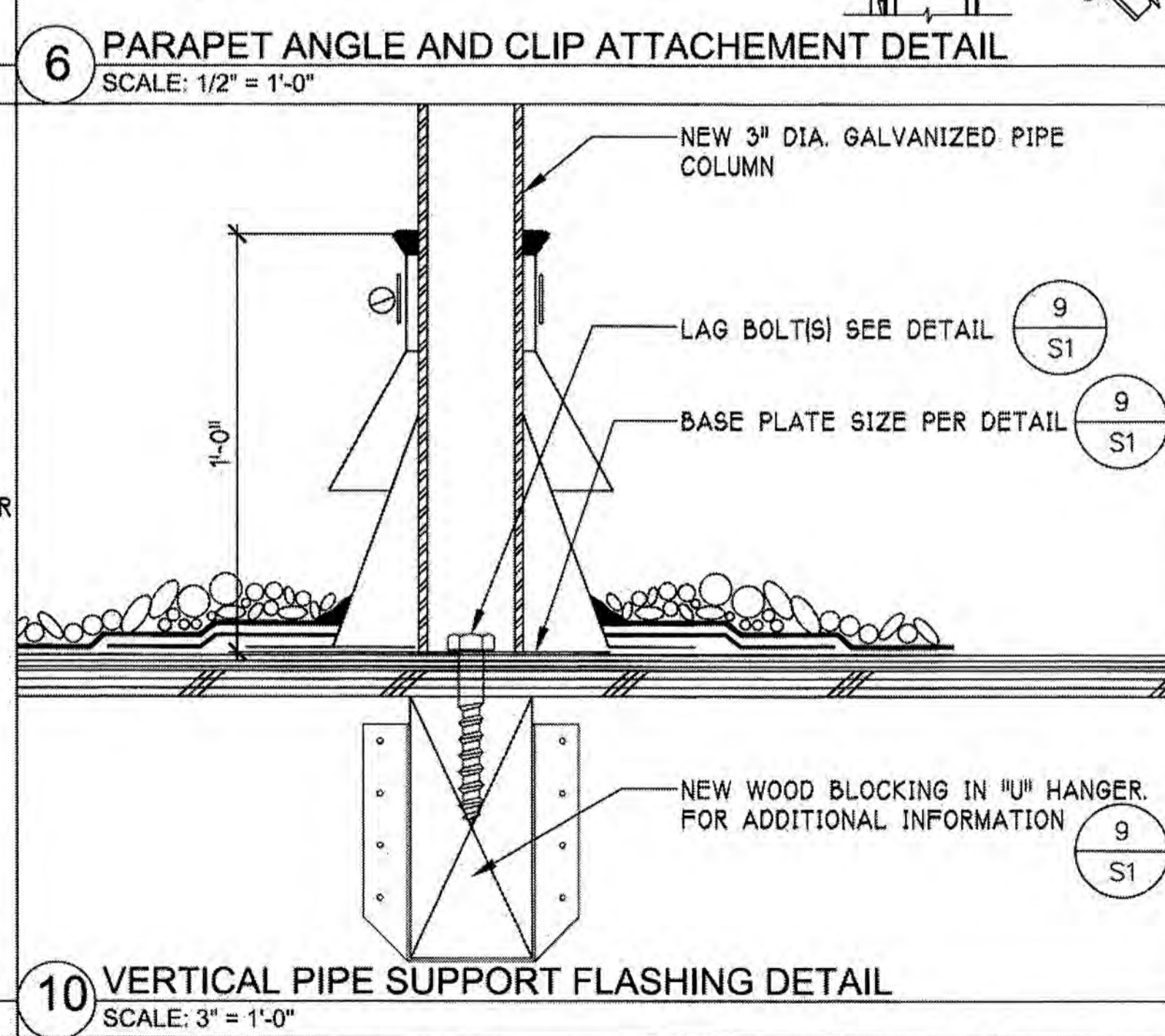
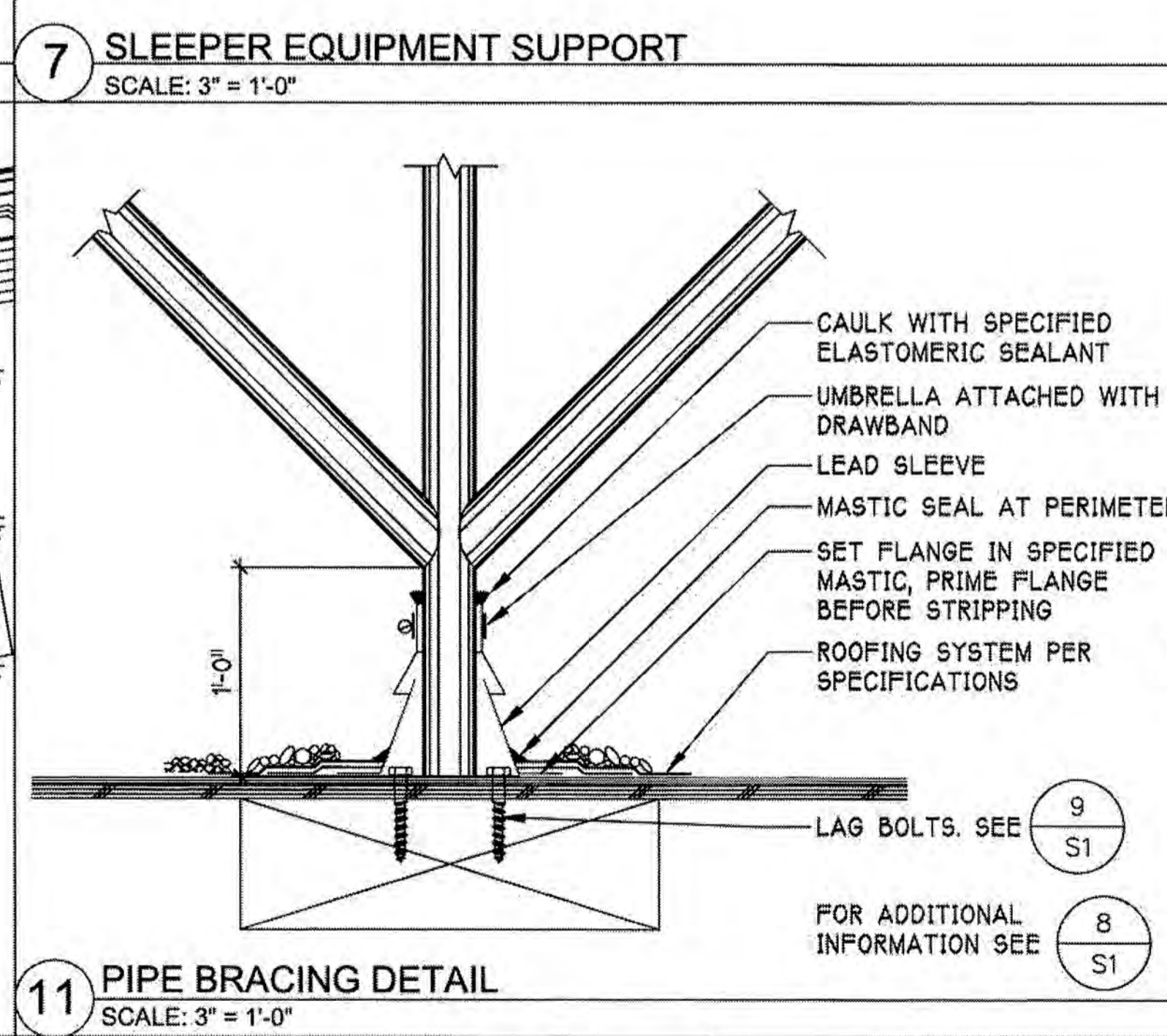
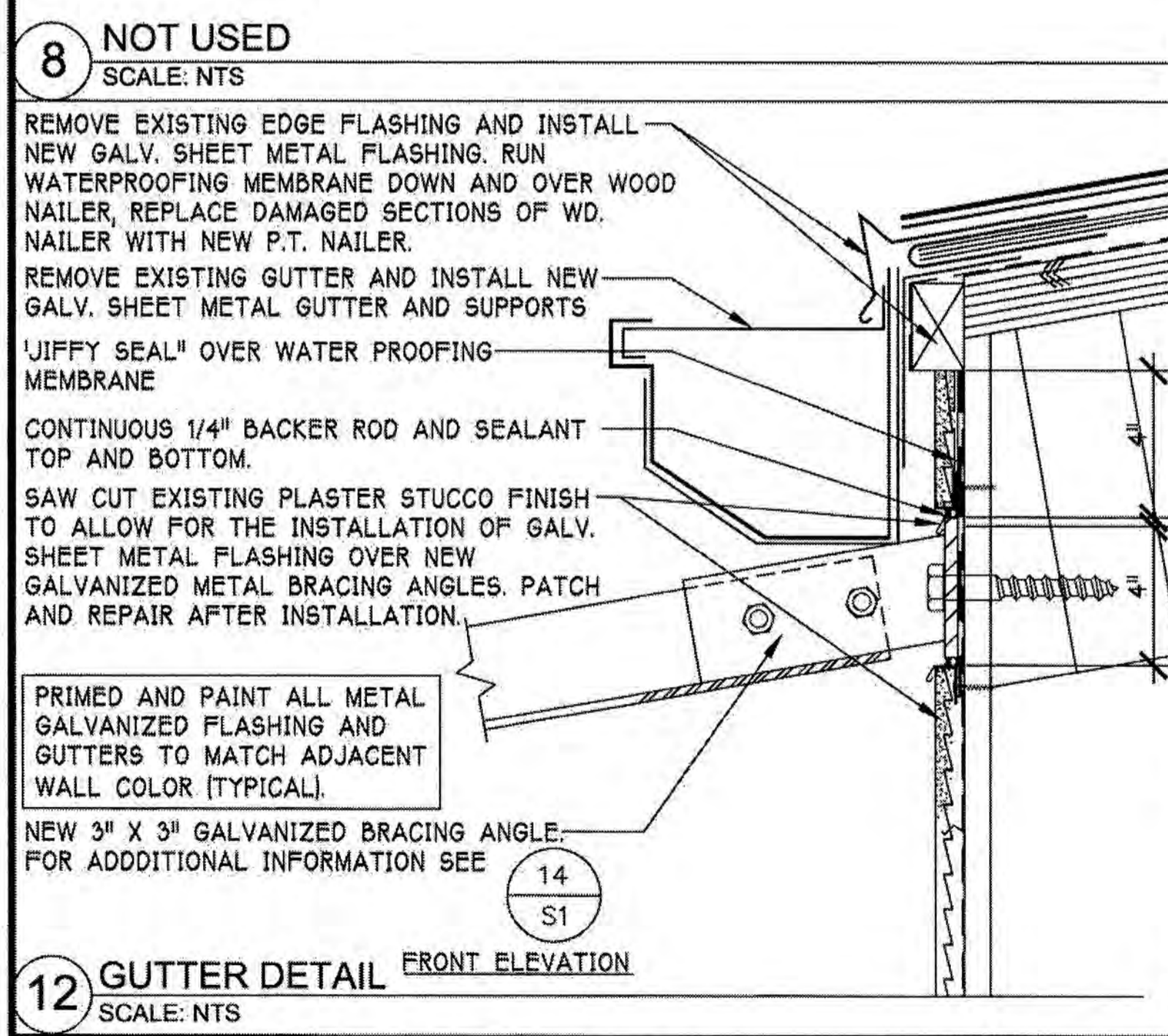
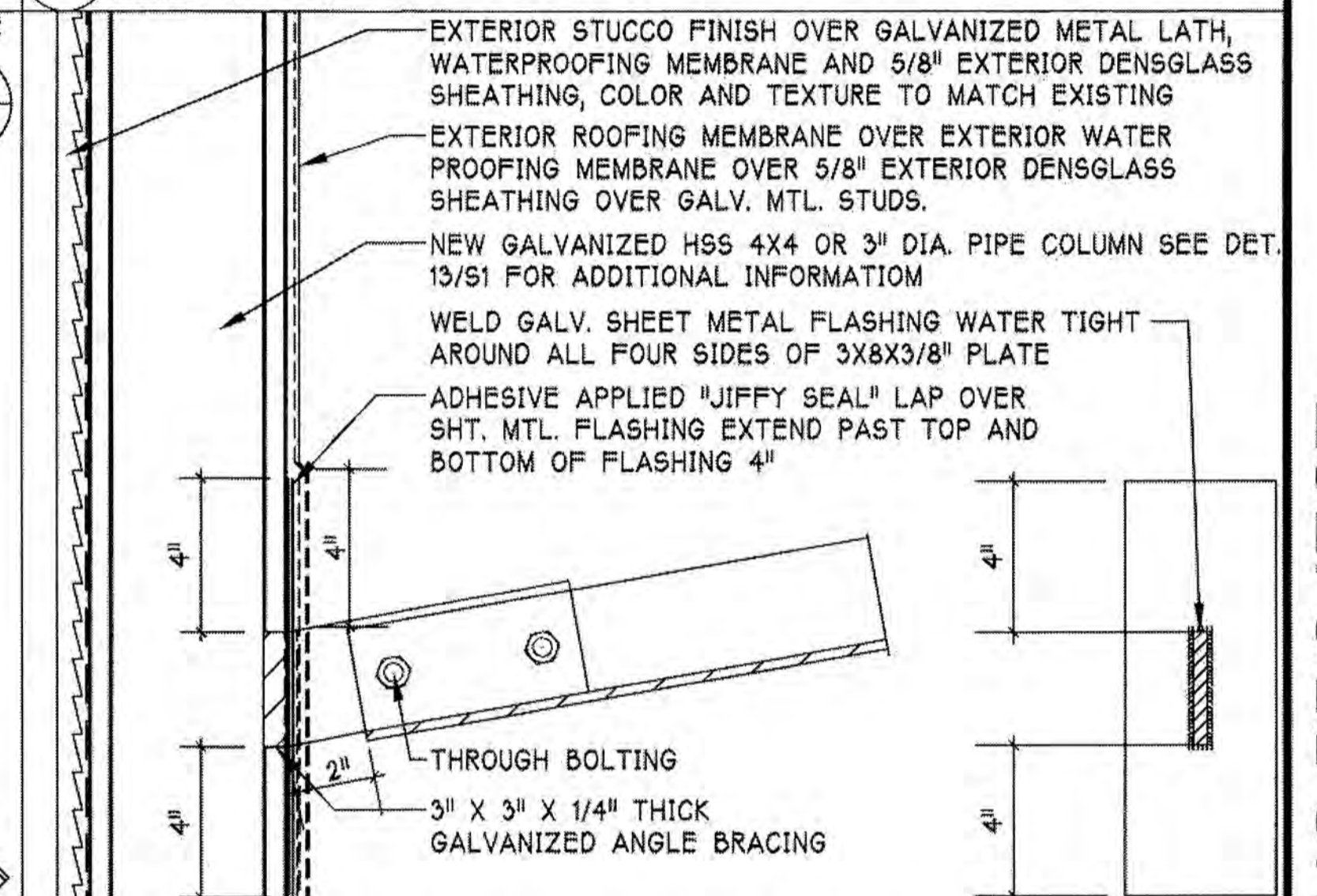
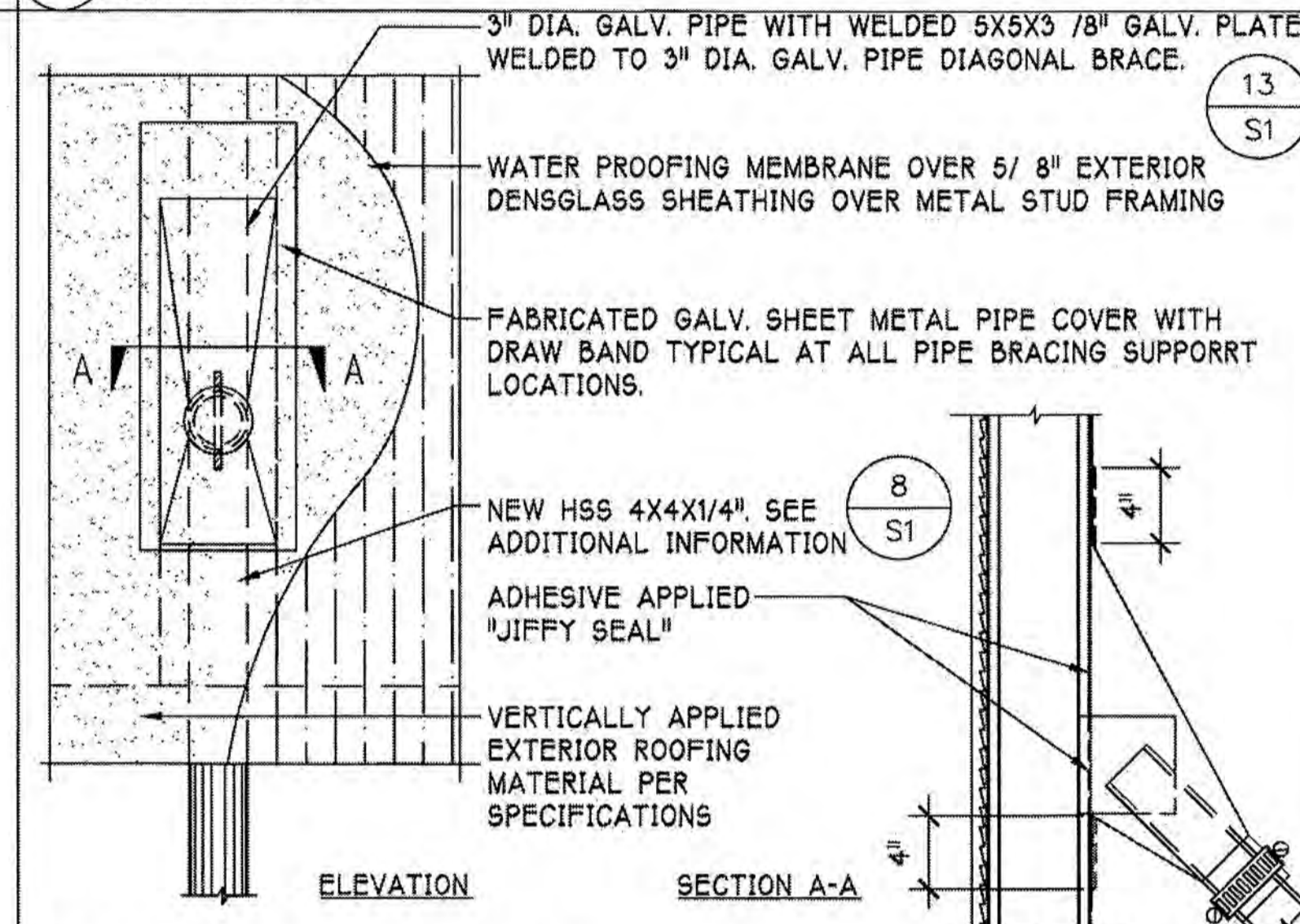
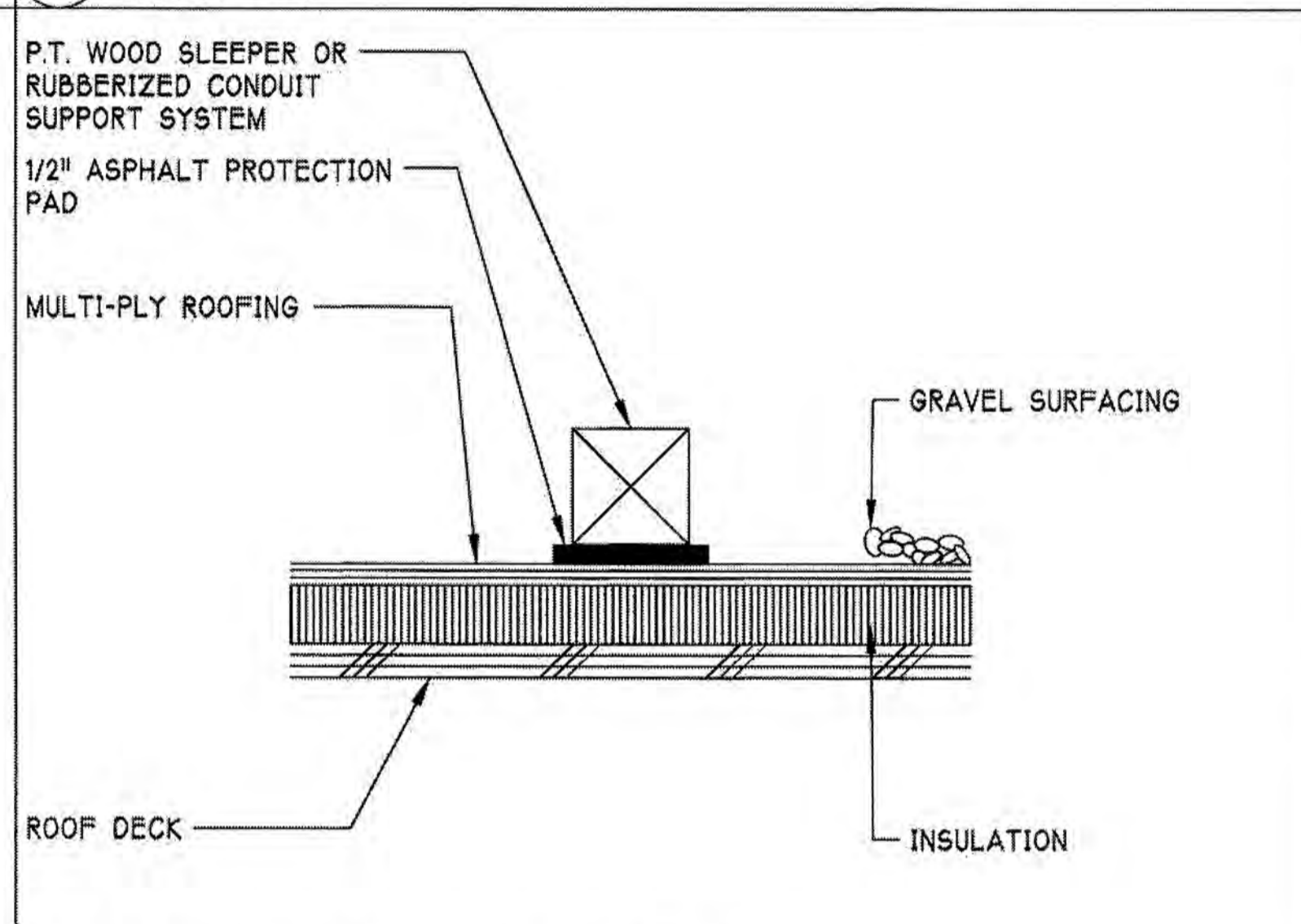
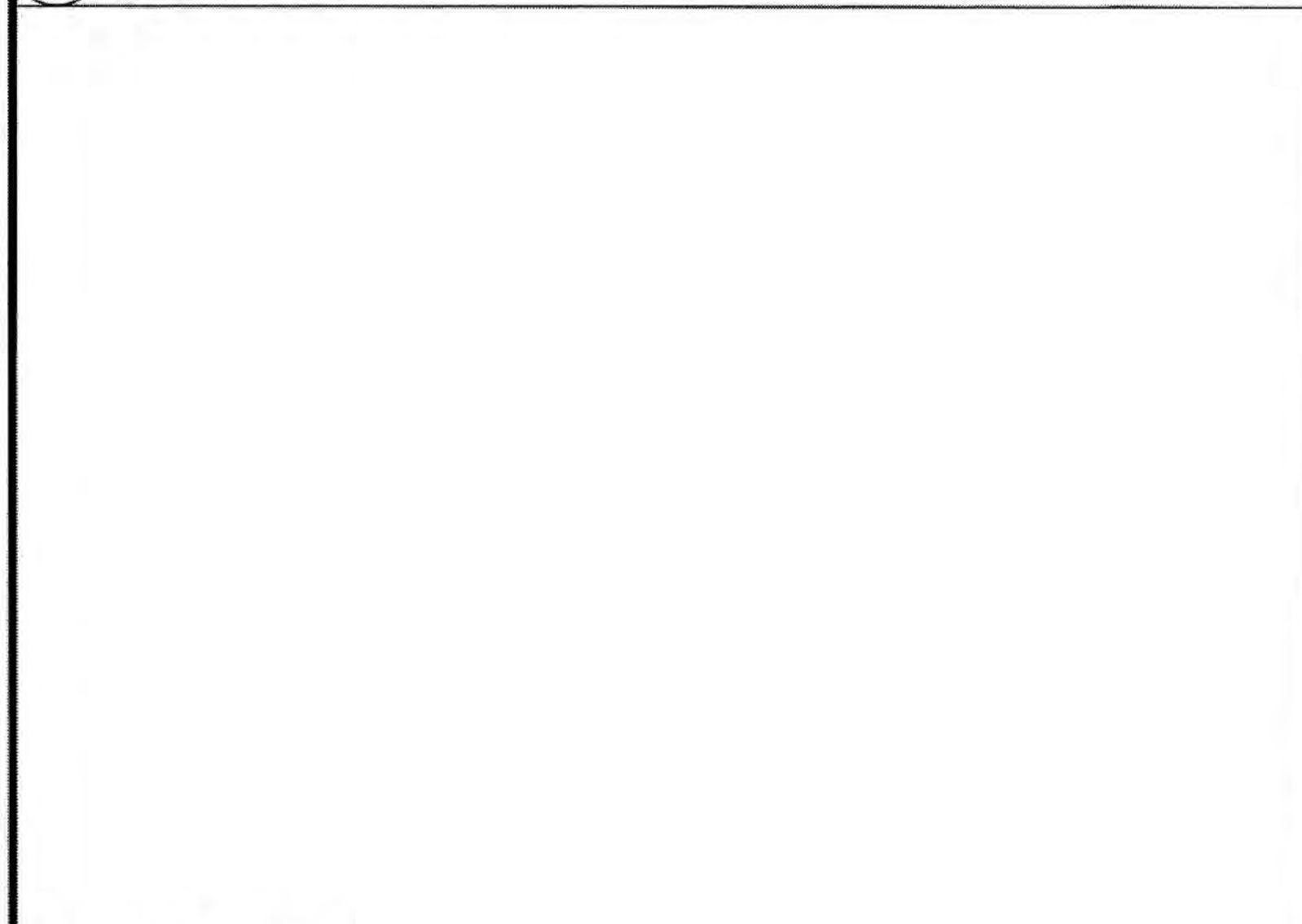
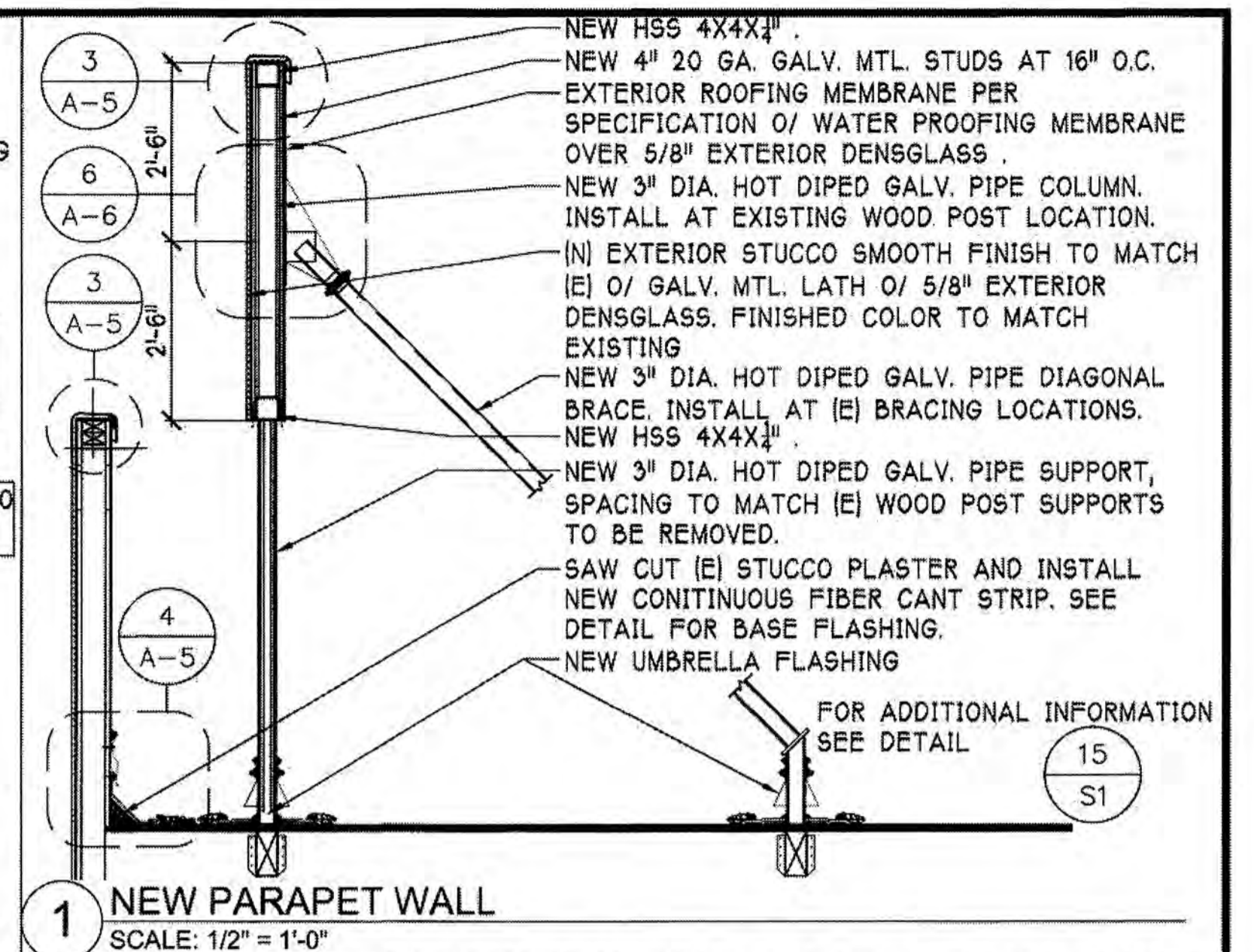
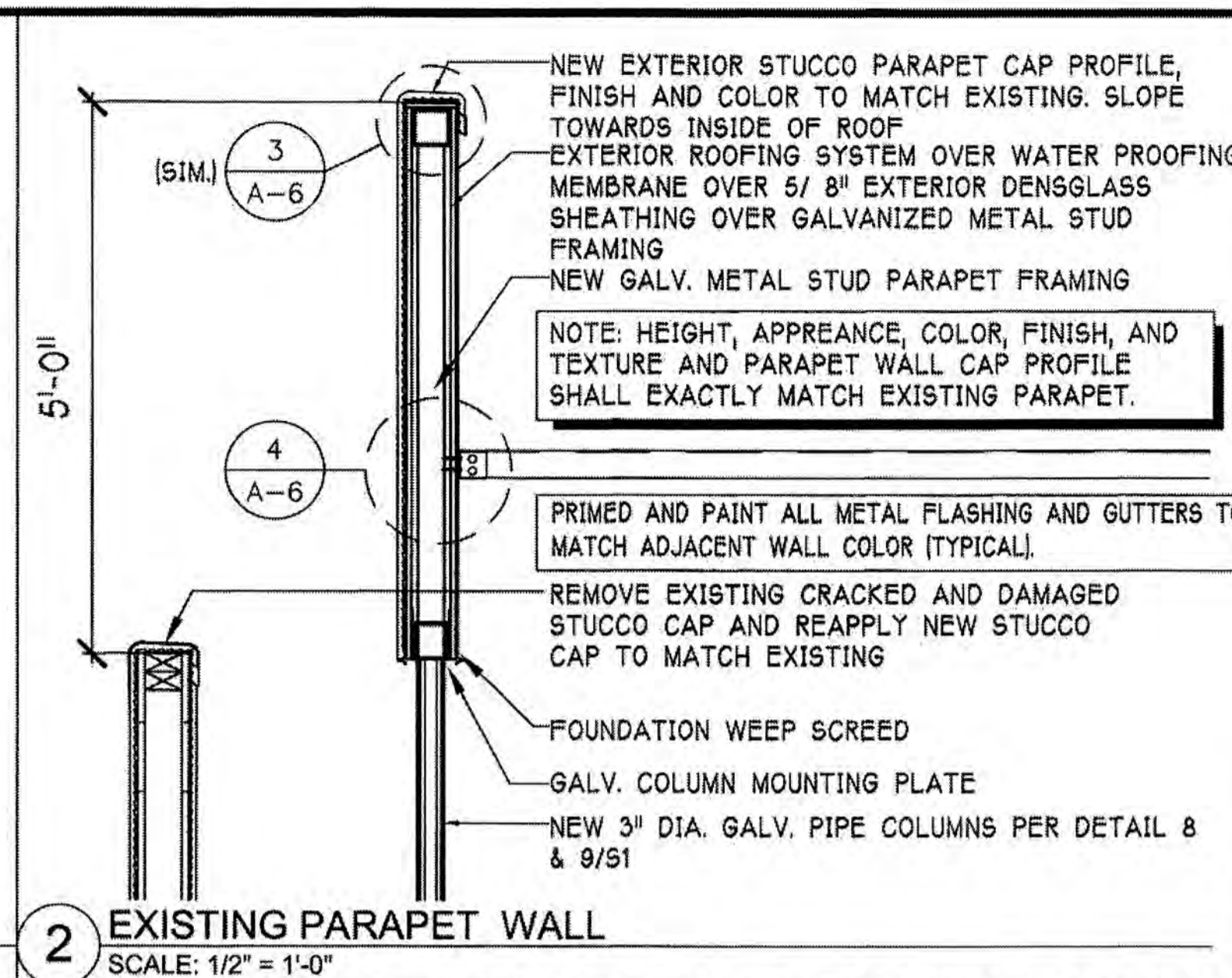
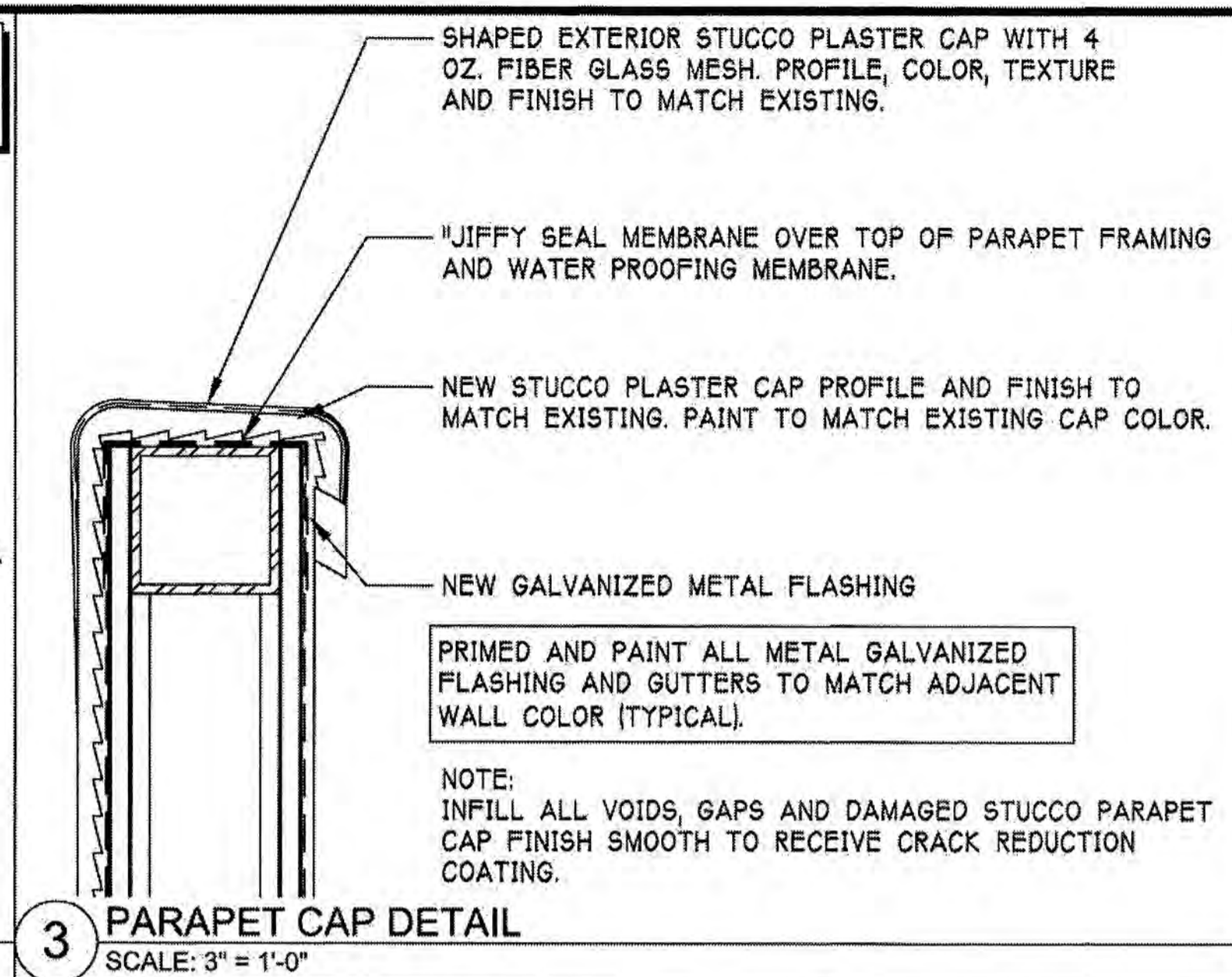
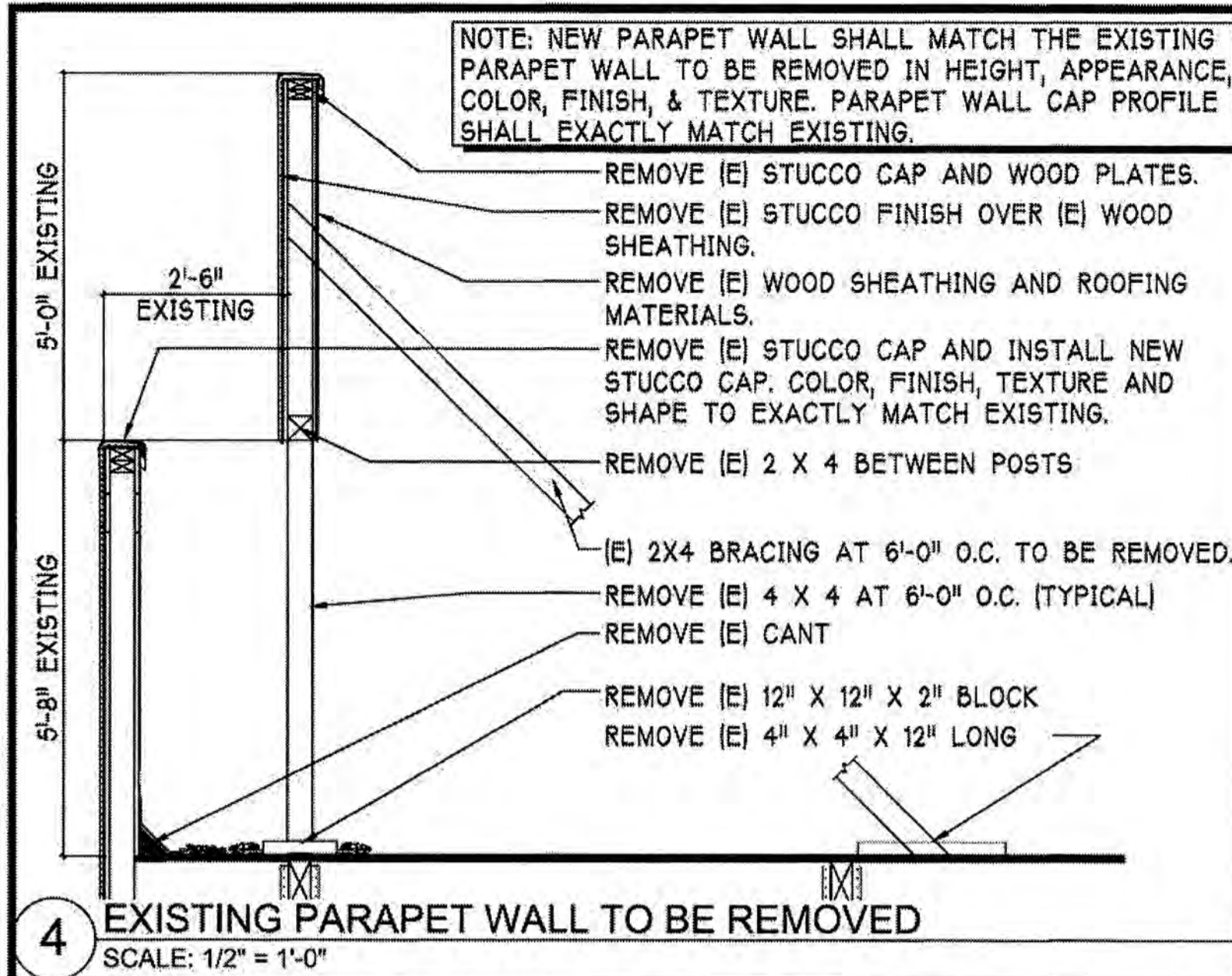


CITY OF SAN DIEGO PUBLIC WORKS PROJECT

WARNING
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MUNICIPAL GYMNASIUM RE-ROOFING
SHEET 5 OF 10 SHEETS
CITY OF SAN DIEGO, CALIFORNIA
W.B.S. B-00972
DATE: 12/19/12
PROJECT MANAGER: Ali Darvishi
SECTION HEAD: XXXX-XXXX
COORDINATE: CCS27
CONTRACTOR: 36528-5-D

MUNICIPAL GYMNASIUM - RE-ROOFING PROJECT

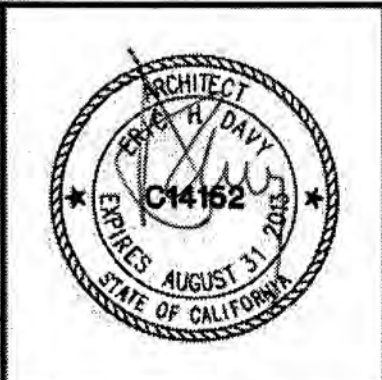


CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

DAVY ARCHITECTURE
811 TENTH AVENUE
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MUNICIPAL GYMNASIUM RE-ROOFING			
CITY OF SAN DIEGO, CALIFORNIA SHEET 6 OF 10 SHEETS			W.B.S. B-00972
DESCRIPTION	BY	APPROVED	DATE
AS-BUILTS			
CONTRACTOR			
INSPECTOR			

DATE STARTED: / / DATE COMPLETED: / /

36528-6-D

MUNICIPAL GYMNASIUM - RE-ROOFING PROJECT

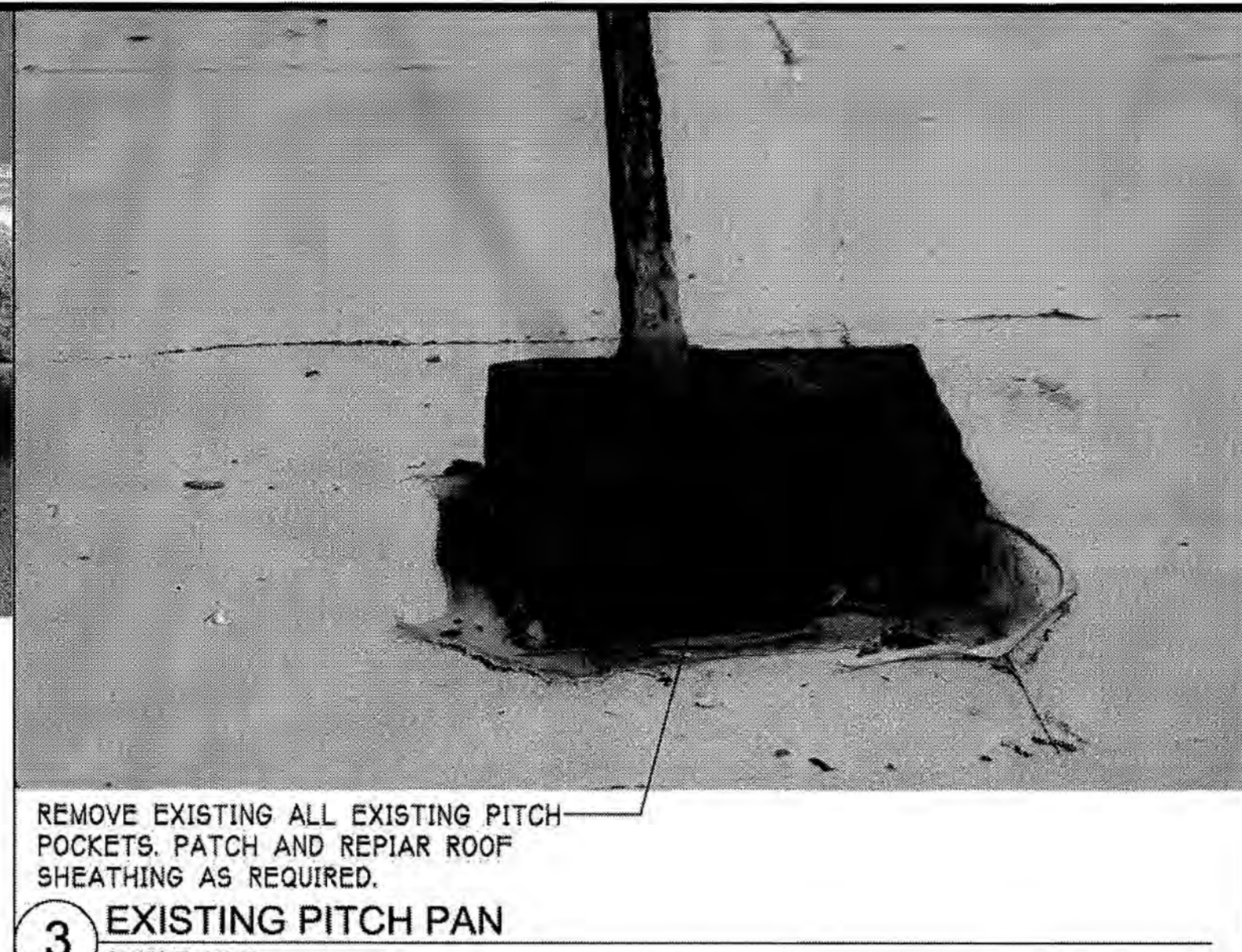


REMOVE EXISTING STUCCO PLASTER CAP. INSTALL NEW STUCCO PLASTER CAP PROFILE TO MATCH EXISTING. RUN NEW WATER PROOFING MEMBRANE UP AND OVER TOP OF PARAPET WALL.

INSTALL NEW PLASTER STOP AND NEW GALVANIZED SHEET METAL FLASHING, PRIME AND PAINTED TO MATCH ORIGINAL COLOR.

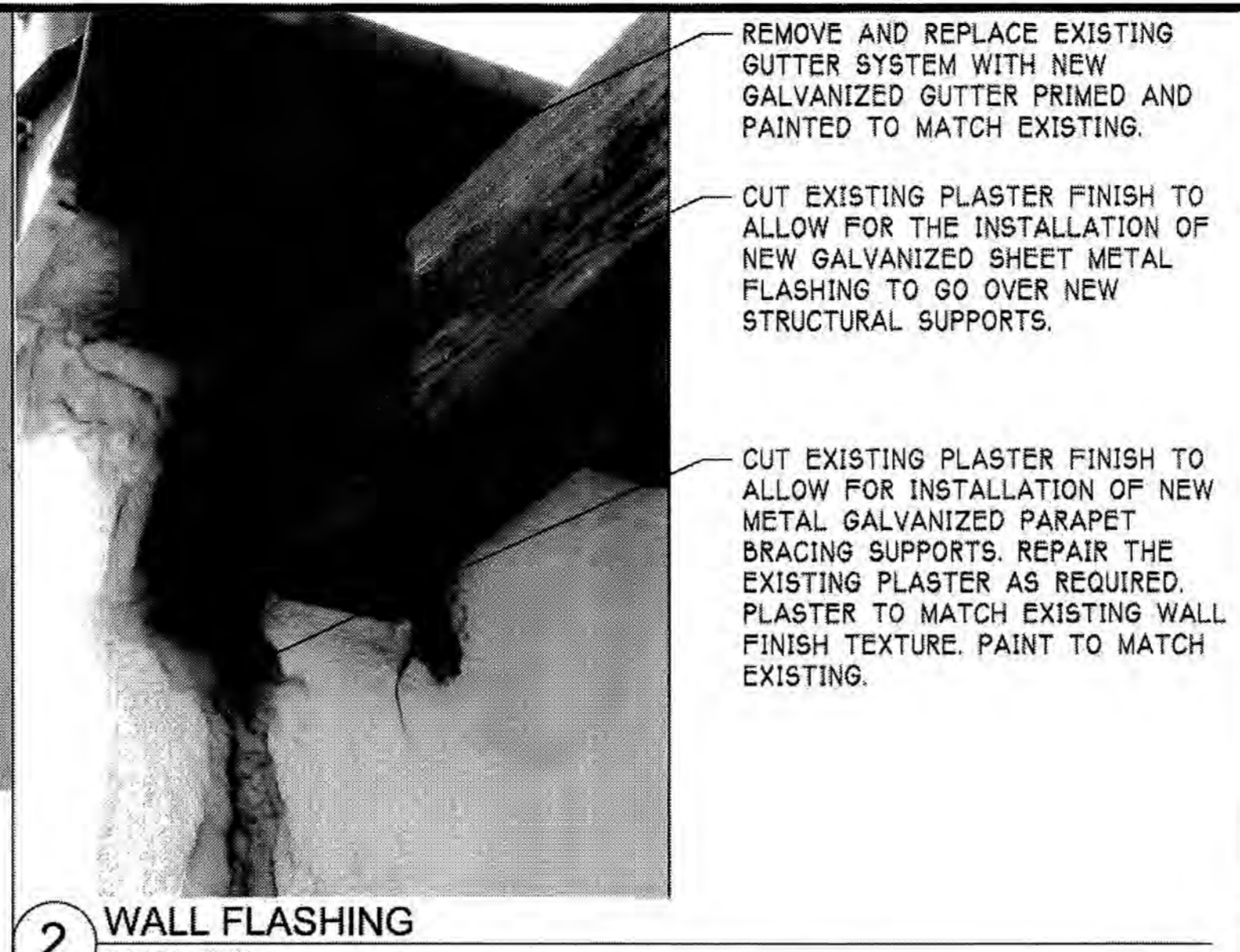
INSTALL NEW ROOFING SYSTEM PER SPECIFICATIONS

4 EXISTING PARAPET WALL CAP
SCALE: NTS



REMOVE EXISTING ALL EXISTING PITCH POCKETS. PATCH AND REPAIR ROOF SHEATHING AS REQUIRED.

3 EXISTING PITCH PAN
SCALE: NTS

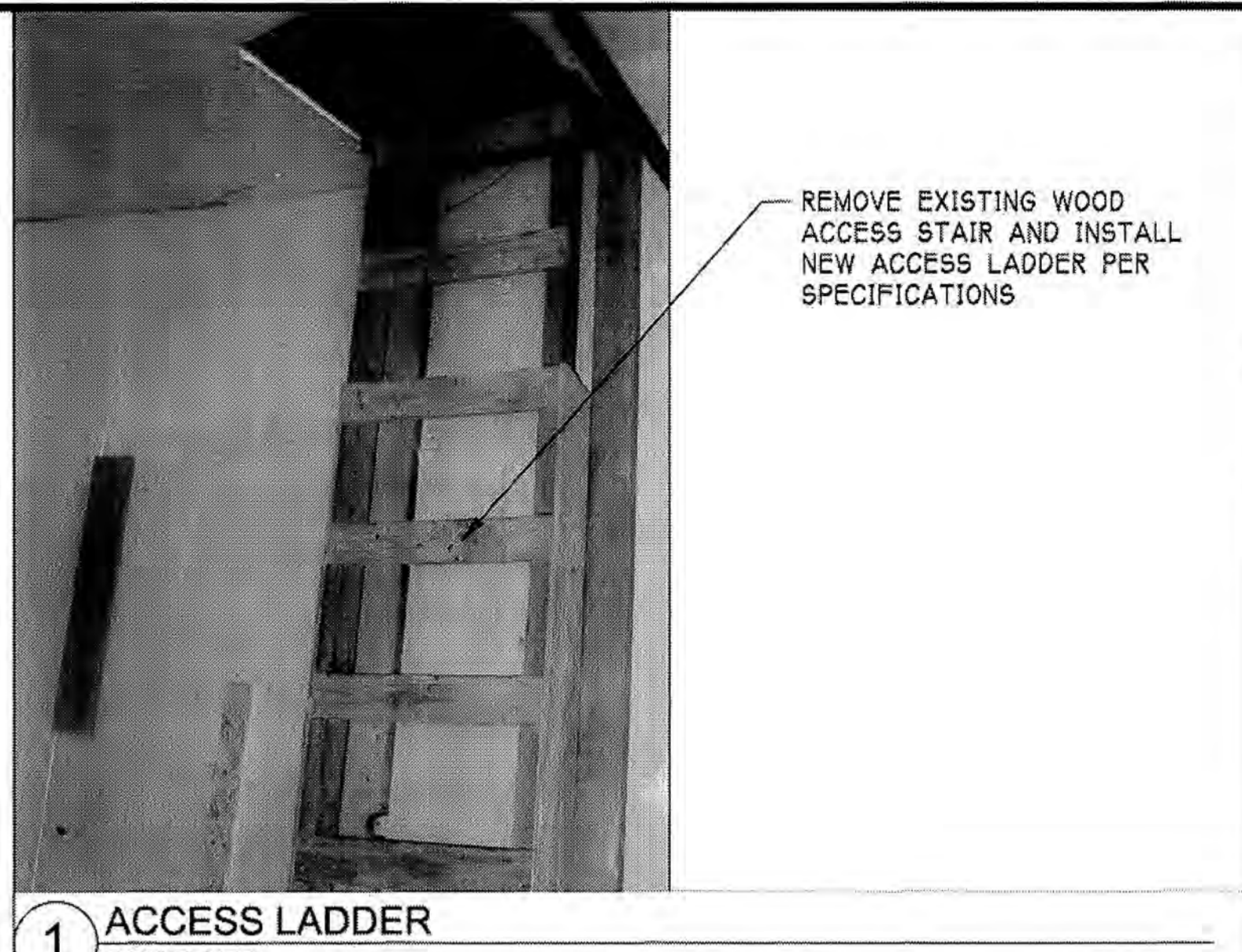


REMOVE AND REPLACE EXISTING GUTTER SYSTEM WITH NEW GALVANIZED GUTTER PRIMED AND PAINTED TO MATCH EXISTING.

CUT EXISTING PLASTER FINISH TO ALLOW FOR THE INSTALLATION OF NEW GALVANIZED SHEET METAL FLASHING TO GO OVER NEW STRUCTURAL SUPPORTS.

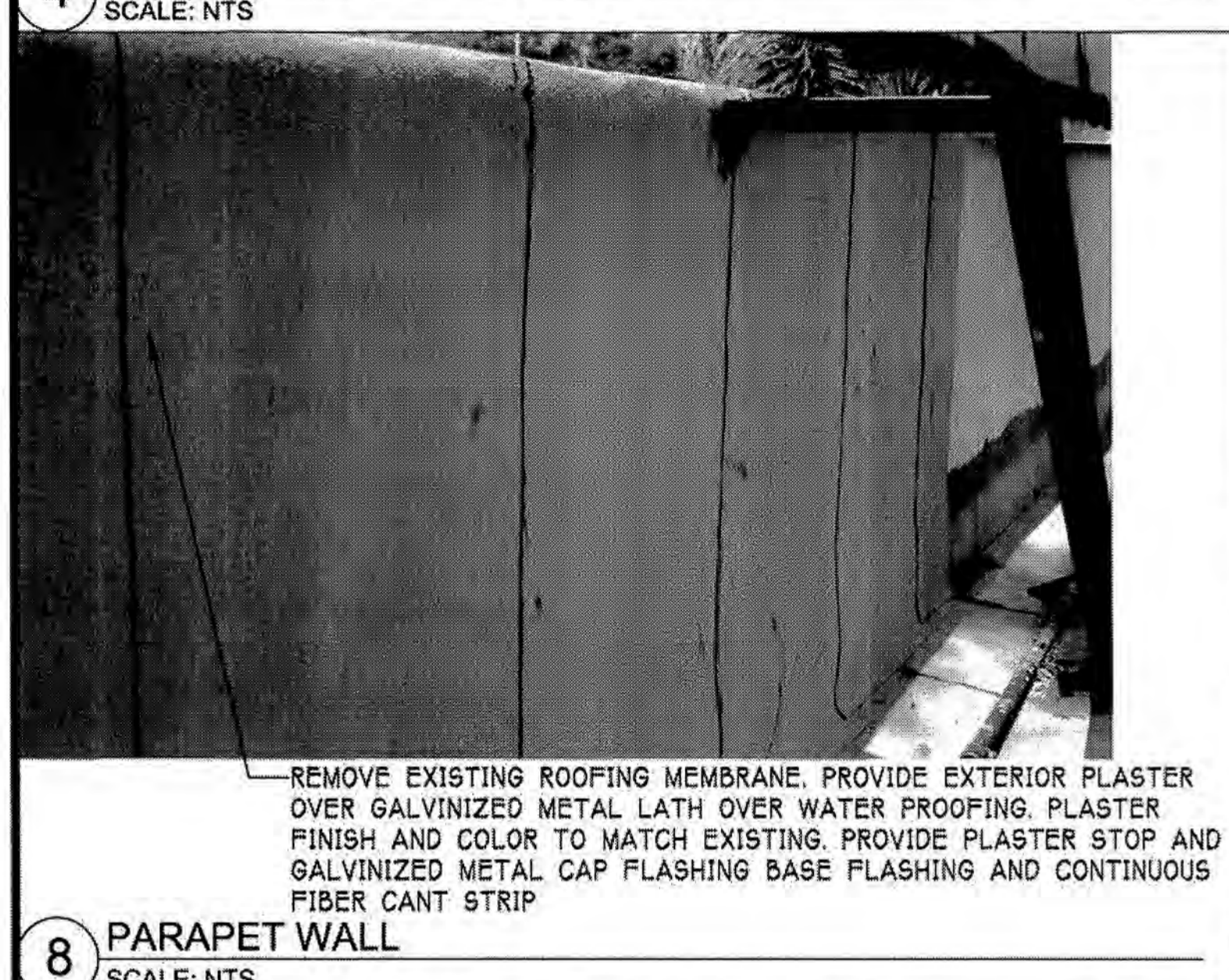
CUT EXISTING PLASTER FINISH TO ALLOW FOR INSTALLATION OF NEW METAL GALVANIZED PARAPET BRACING SUPPORTS. REPAIR THE EXISTING PLASTER AS REQUIRED. PLASTER TO MATCH EXISTING WALL FINISH TEXTURE. PAINT TO MATCH EXISTING.

2 WALL FLASHING
SCALE: NTS



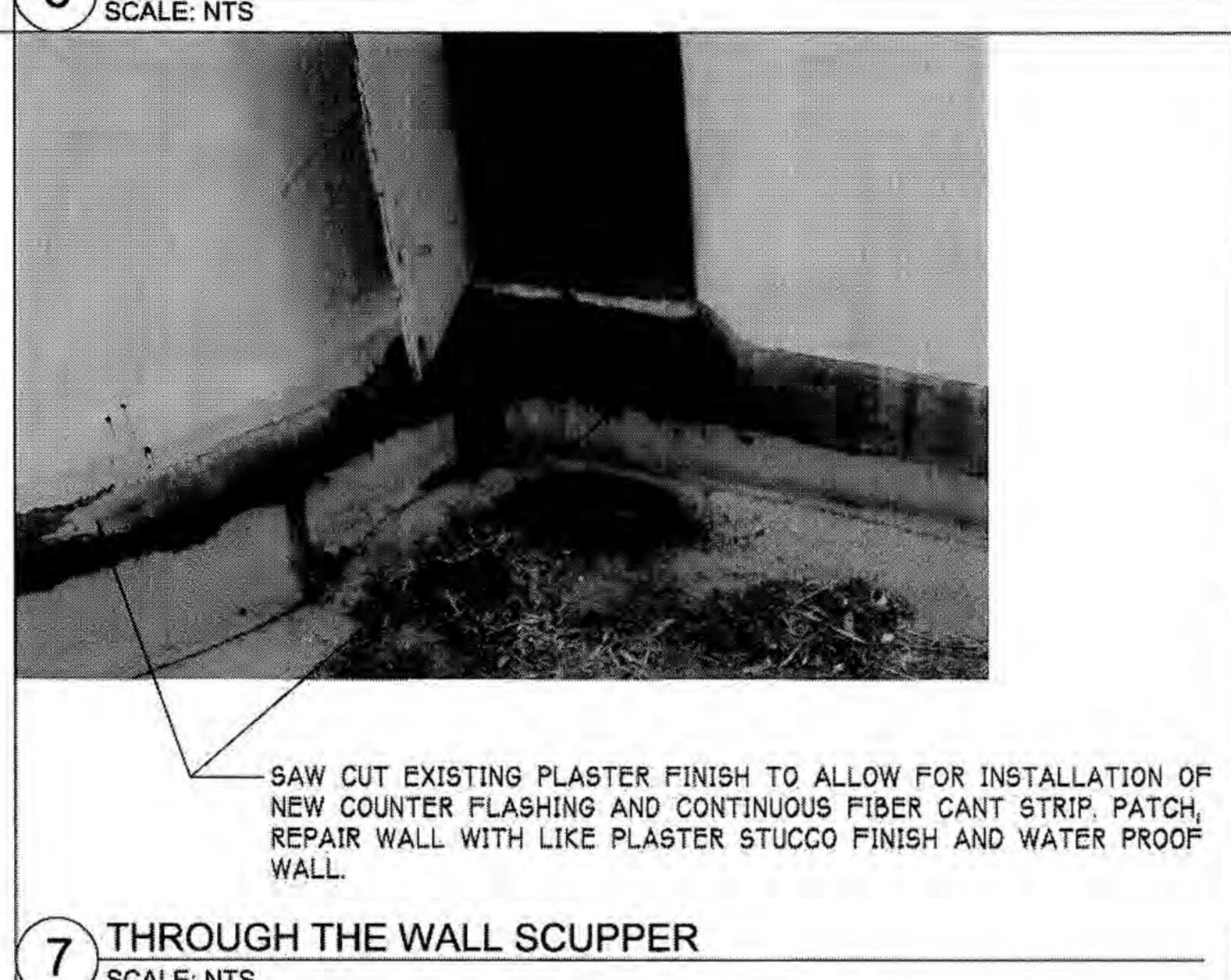
REMOVE EXISTING WOOD ACCESS STAIR AND INSTALL NEW ACCESS LADDER PER SPECIFICATIONS

1 ACCESS LADDER
SCALE: NTS



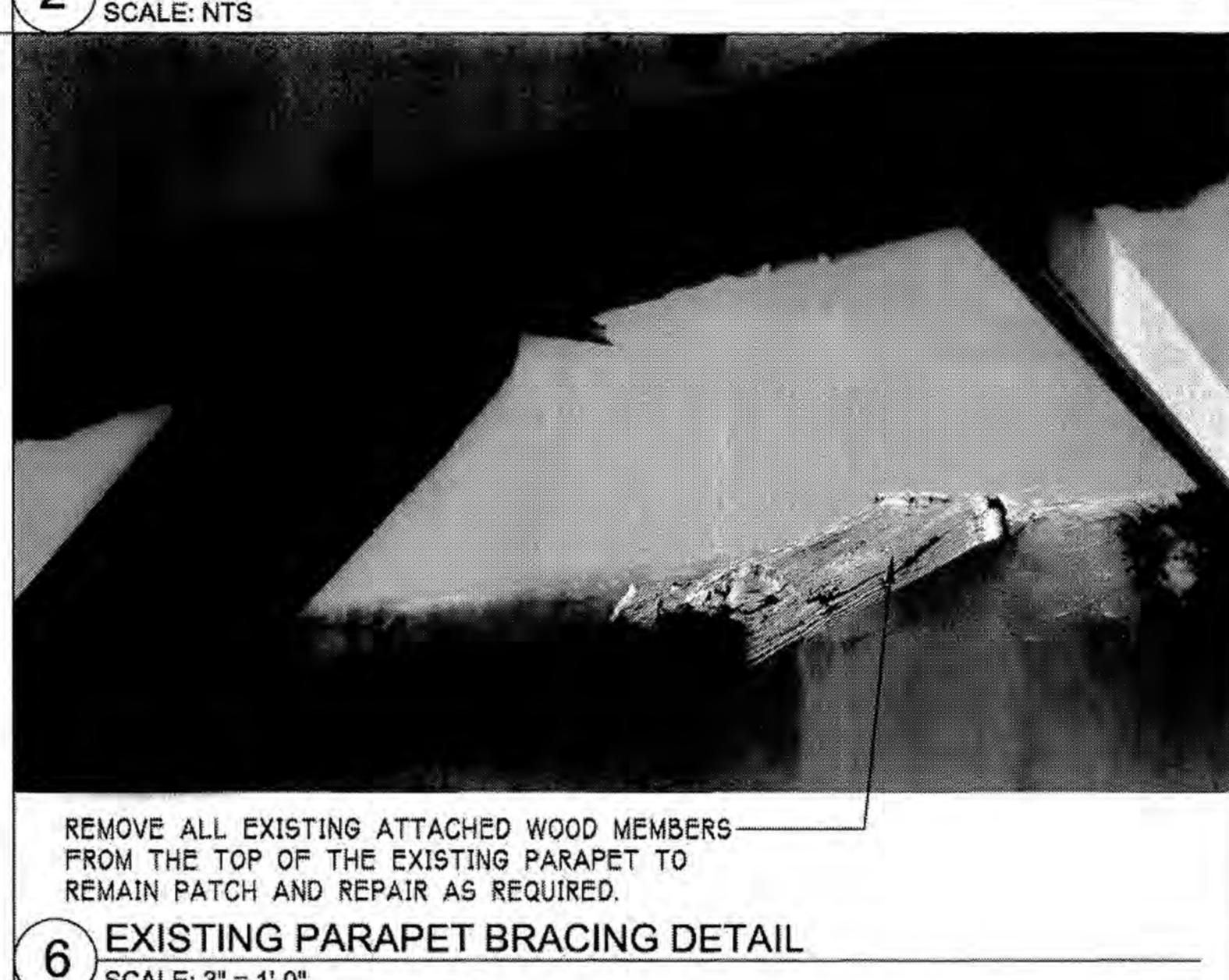
REMOVE EXISTING ROOFING MEMBRANE. PROVIDE EXTERIOR PLASTER OVER GALVANIZED METAL LATH OVER WATER PROOFING. PLASTER FINISH AND COLOR TO MATCH EXISTING. PROVIDE PLASTER STOP AND GALVANIZED METAL CAP FLASHING BASE FLASHING AND CONTINUOUS FIBER CANT STRIP

8 PARAPET WALL
SCALE: NTS



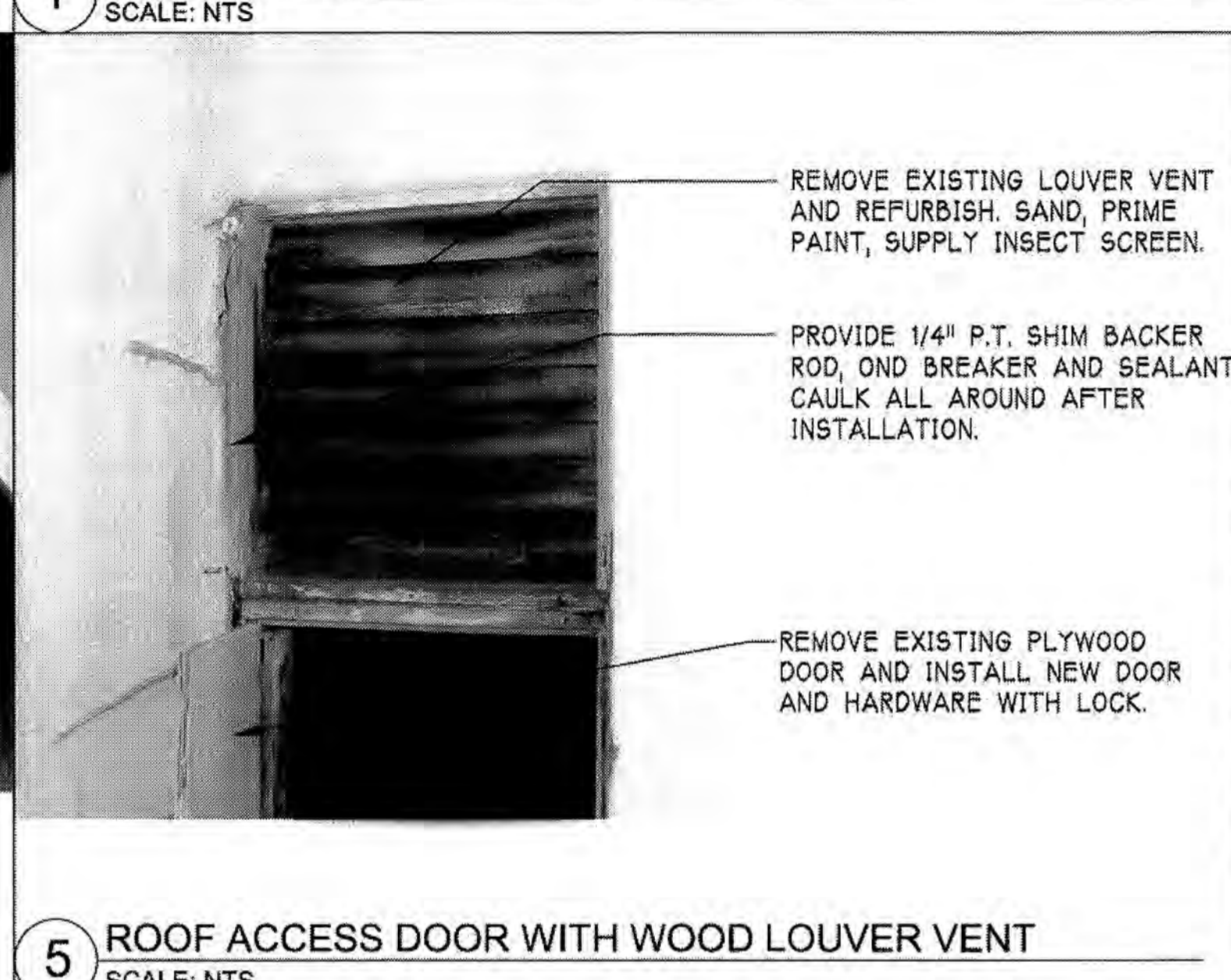
SAW CUT EXISTING PLASTER FINISH TO ALLOW FOR INSTALLATION OF NEW COUNTER FLASHING AND CONTINUOUS FIBER CANT STRIP. PATCH, REPAIR WALL WITH LIKE PLASTER STUCCO FINISH AND WATER PROOF WALL.

7 THROUGH THE WALL SCUPPER
SCALE: NTS



REMOVE ALL EXISTING ATTACHED WOOD MEMBERS FROM THE TOP OF THE EXISTING PARAPET TO REMAIN PATCH AND REPAIR AS REQUIRED.

6 EXISTING PARAPET BRACING DETAIL
SCALE: 3" = 1'-0"

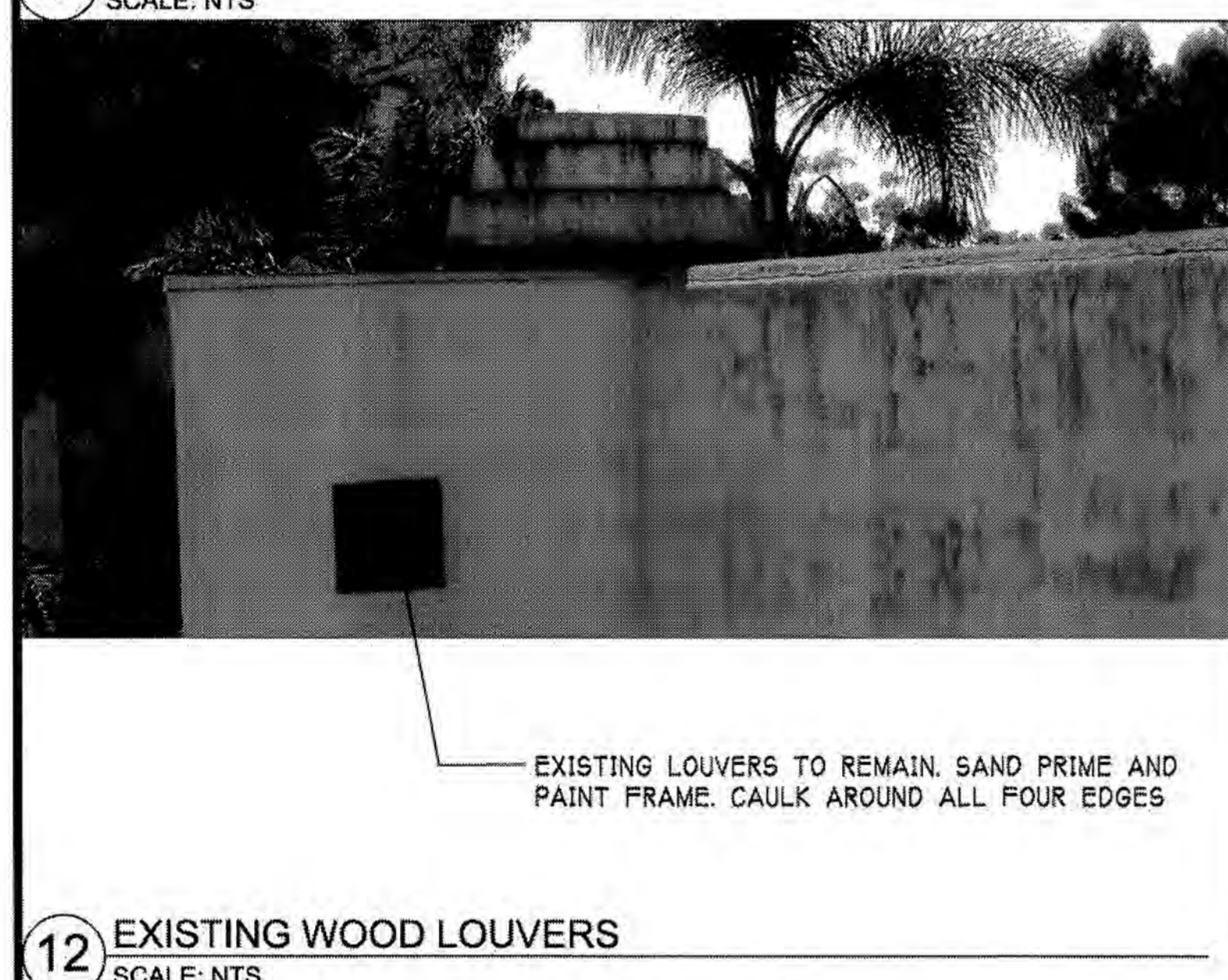


REMOVE EXISTING LOUVER VENT AND REFINISH. SAND, PRIME, PAINT, SUPPLY INSECT SCREEN.

PROVIDE 1/4" P.T. SHIM BACKER ROD, OND BREAKER AND SEALANT CAULK ALL AROUND AFTER INSTALLATION.

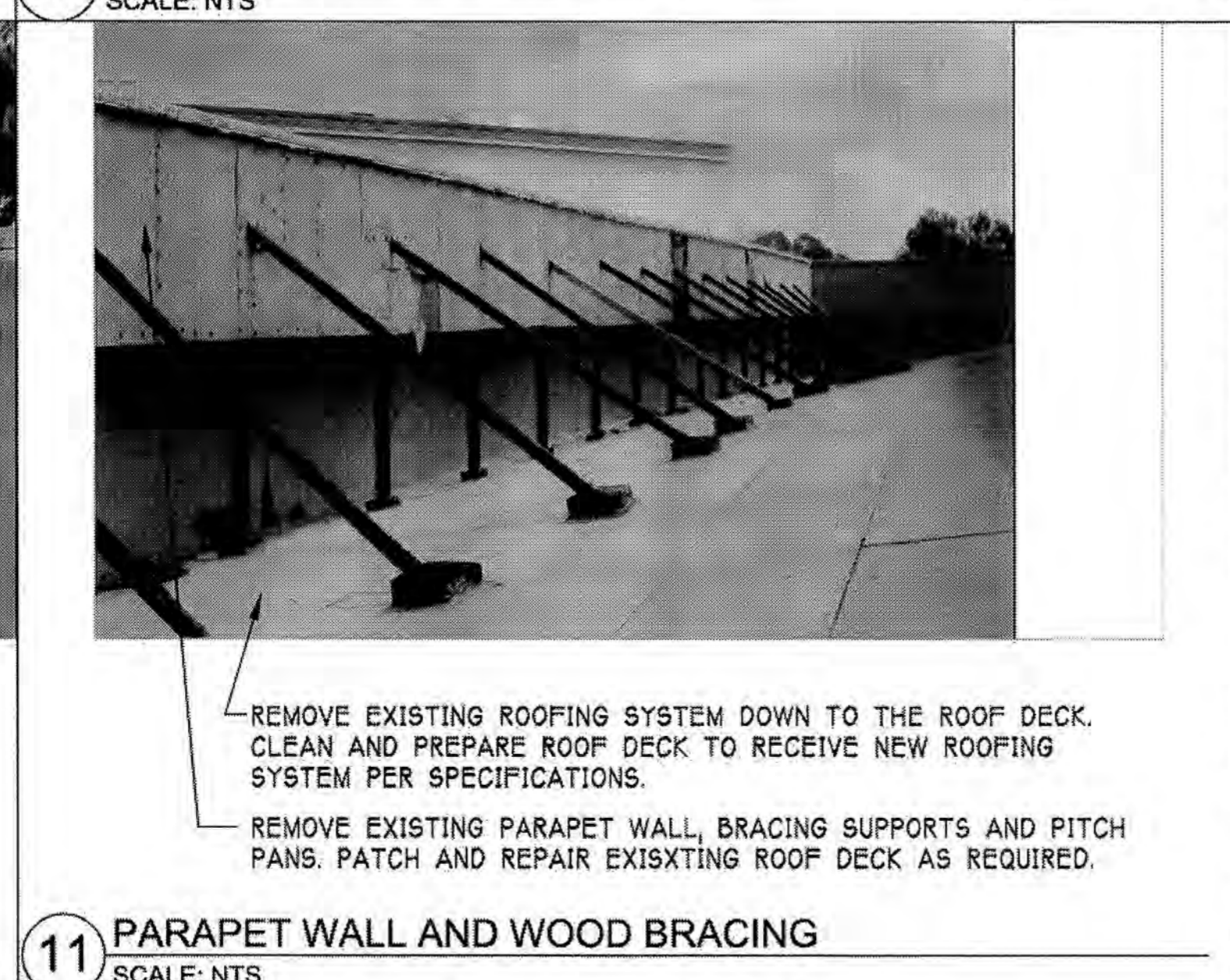
REMOVE EXISTING PLYWOOD DOOR AND INSTALL NEW DOOR AND HARDWARE WITH LOCK.

5 ROOF ACCESS DOOR WITH WOOD LOUVER VENT
SCALE: NTS



EXISTING LOUVERS TO REMAIN. SAND PRIME AND PAINT FRAME. CAULK AROUND ALL FOUR EDGES

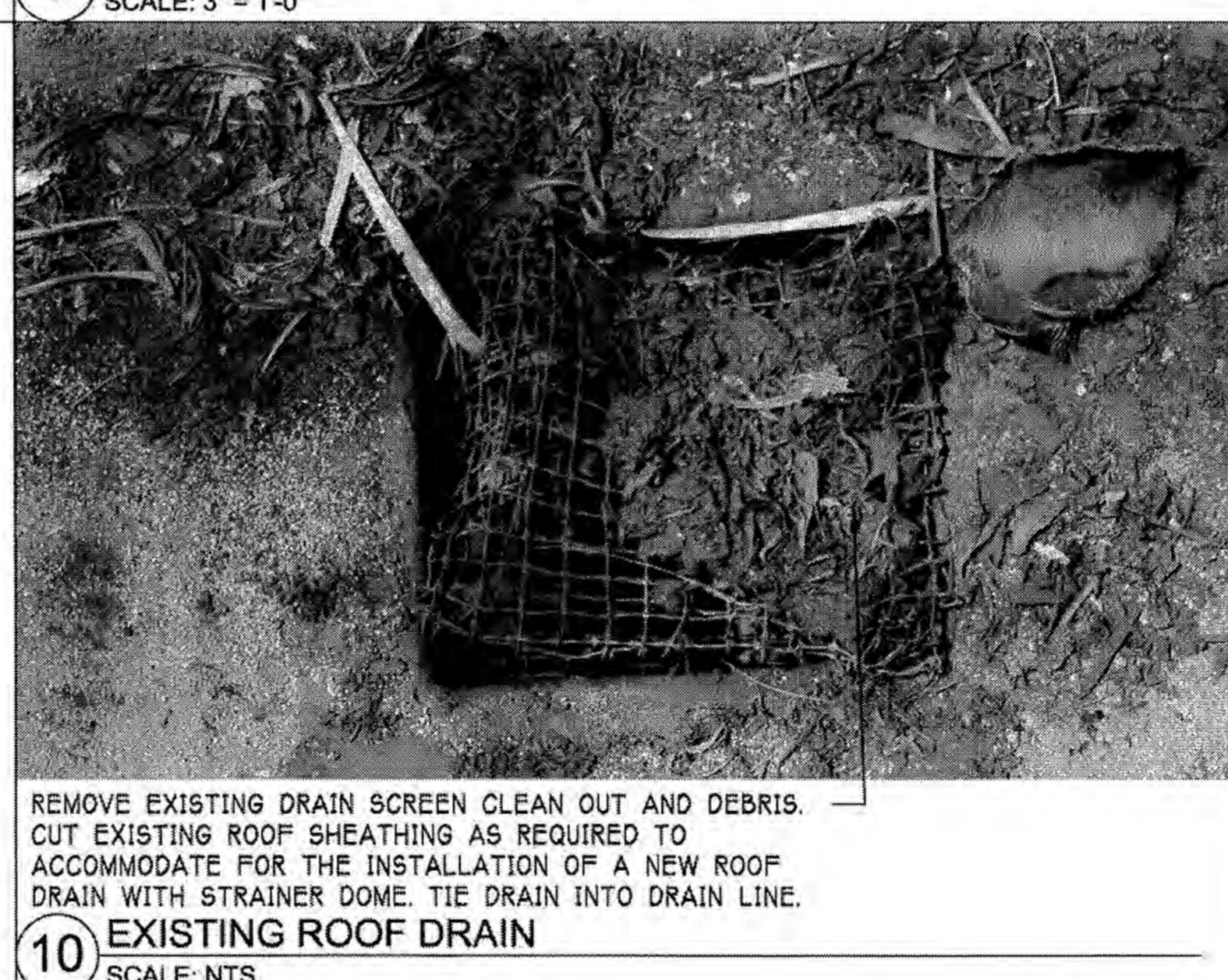
12 EXISTING WOOD LOUVERS
SCALE: NTS



REMOVE EXISTING ROOFING SYSTEM DOWN TO THE ROOF DECK. CLEAN AND PREPARE ROOF DECK TO RECEIVE NEW ROOFING SYSTEM PER SPECIFICATIONS.

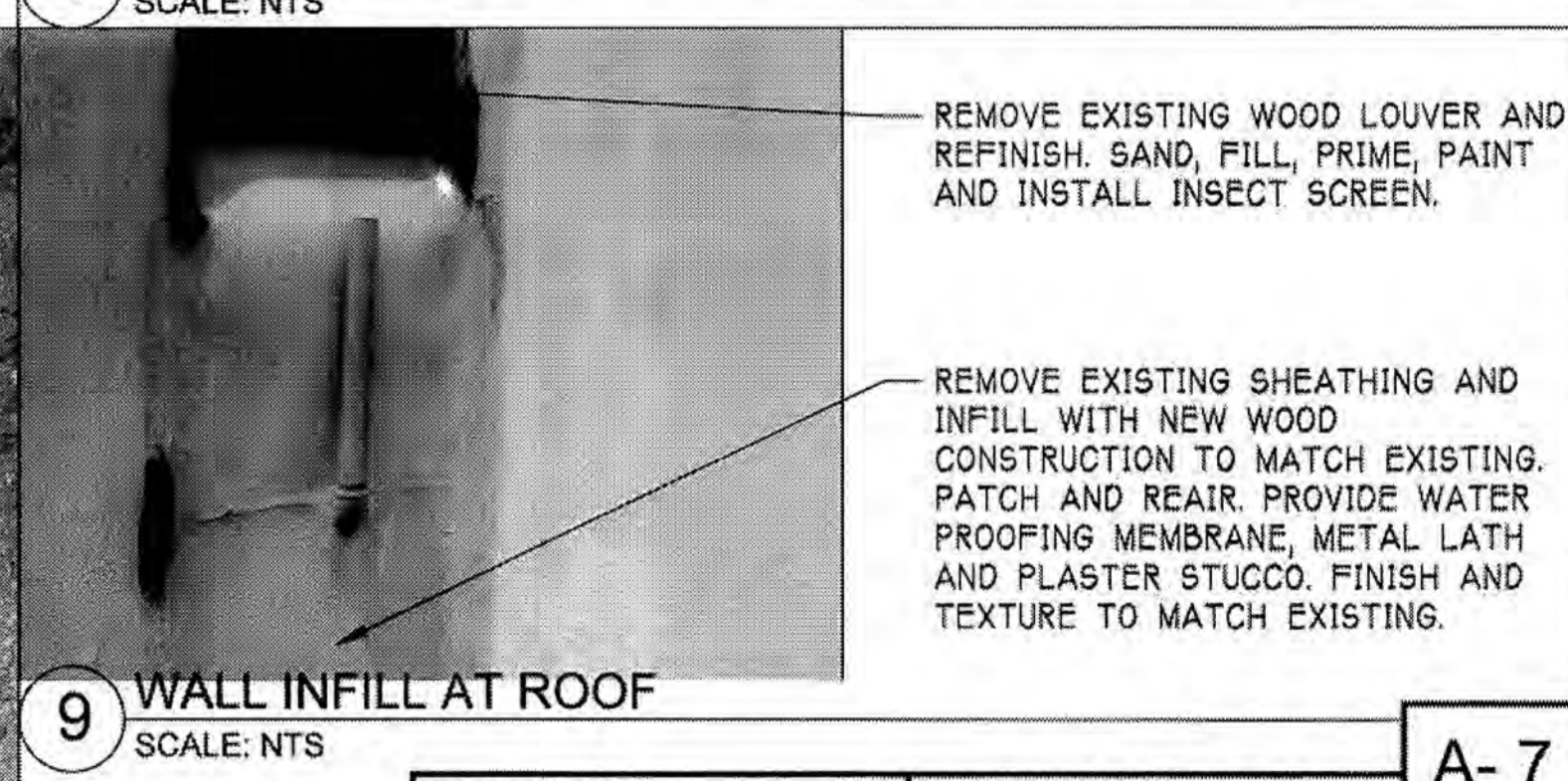
REMOVE EXISTING PARAPET WALL, BRACING SUPPORTS AND PITCH PANS. PATCH AND REPAIR EXISTING ROOF DECK AS REQUIRED.

11 PARAPET WALL AND WOOD BRACING
SCALE: NTS



REMOVE EXISTING DRAIN SCREEN CLEAN OUT AND DEBRIS. CUT EXISTING ROOF SHEATHING AS REQUIRED TO ACCOMMODATE FOR THE INSTALLATION OF A NEW ROOF DRAIN WITH STRAINER DOME. TIE DRAIN INTO DRAIN LINE.

10 EXISTING ROOF DRAIN
SCALE: NTS



REMOVE EXISTING WOOD LOUVER AND REFINISH. SAND, FILL, PRIME, PAINT AND INSTALL INSECT SCREEN.

REMOVE EXISTING SHEATHING AND INFILL WITH NEW WOOD CONSTRUCTION TO MATCH EXISTING. PATCH AND REPAIR. PROVIDE WATER PROOFING MEMBRANE, METAL LATH AND PLASTER STUCCO. FINISH AND TEXTURE TO MATCH EXISTING.

9 WALL INFILL AT ROOF
SCALE: NTS

FUNDING CIP/SAP	SPEC. NO. K-13-5490-DBB-3	A-7
MUNICIPAL GYMNASIUM RE-ROOFING		
ROOF PHOTOS		
CITY OF SAN DIEGO, CALIFORNIA SHEET 7 OF 10 SHEETS		W.B.S. B-00972
FOR CITY ENGINEER	DATE 12/13/12	PROJECT MANAGER
DESCRIPTION	BY	APPROVED
AS-BUILTS		
CONTRACTOR	DATE STARTED	SECTION HEAD
INSPECTOR	DATE COMPLETED	36528-7-D

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

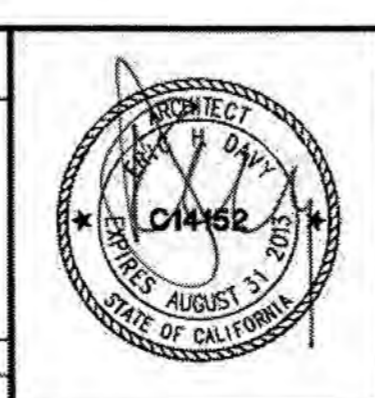
CONSULTANT

DAVY ARCHITECTURE

811 TENTH AVENUE
SAN DIEGO CA 92101-6503
(619) 238-3811

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SCALE: HORIZONTAL NO SCALE, VERTICAL NO SCALE



**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**

WARNING
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MUNICIPAL GYMNASIUM - RE-ROOFING PROJECT

PROVIDE NEW CONDUIT SLEEPER SUPPORTS (TYPICAL).

INSTALL NEW BASE FLASHING AT EACH EXISTING EXHAUST FAN, EXTEND BASE FLASHING UP RAISED CURB AND UNDER METAL FLASHING.

REMOVE EXISTING ROOFING SYSTEM DOWN TO ROOF SUBSTRATE PREP FOR INSTALLATION OF NEW ROOFING SYSTEM PER SPECIFICATIONS

4 EXISTING GYMNASIUM ROOF
SCALE: NTS

REMOVE EXISTING ROOFING SYSTEM DOWN TO THE ROOFING SUBSTRATE. CLEAN AND PREPARE THE ROOF TO RECEIVE NEW ROOFING SYSTEM PER SPECIFICATIONS.

PROVIDE FIBER CANT STRIP ALL FOUR SIDES AND INSTALL NEW SHEET METAL GALVANIZED COVER PRIMED AND PAINTED (TYPICAL).

REMOVE EXISTING ROOFING SYSTEM DOWN TO THE ROOFING SUBSTRATE. CLEAN AND PREPARE THE ROOF TO RECEIVE NEW ROOFING SYSTEM PER SPECIFICATIONS.

3 ENTRY ROOF
SCALE: NTS

REMOVE EXISTING ROOFING SYSTEM DOWN TO THE ROOFING SUBSTRATE. CLEAN AND PREPARE THE ROOF TO RECEIVE NEW ROOFING SYSTEM PER SPECIFICATIONS.

REMOVE EXISTING DRAIN SCREEN CLEAN OUT AND DEBRIS. CUT EXISTING ROOF SHEATHING AS REQUIRED TO ACCOMMODATE FOR THE INSTALLATION OF A NEW ROOF DRAIN WITH STRAINER DOME. TIE DRAIN INTO DRAIN LINE.

2 ENTRY ROOF
SCALE: NTS

1 NOT USED
SCALE: NTS

REMOVE EXISTING ROOFING MATERIAL AND WATERPROOFING MEMBRANE. REFINISH WOOD LOUVERS INSTALL INSECT SCREEN, SAND, PRIME AND PAINT. INSTALL NEW BASE AND CAP SHEET AND WATERPROOFING MEMBRANE AND GALVANIZED METAL EDGE FLASHING. PRIME AND PAINT MTL. EDGE FLASHING.

CLEAN TOP OF PARAPET AND APPLY DEXOTEX ELASTOMERIC COATING.

INSTALL NEW FIBER CANT STRIP AND FLASHING.

8 ENTRY ROOF EXHAUST VENT ENCLOSURE
SCALE: NTS

INSTALL NEW DOME DRAIN WITH STRAINER AND TIE INTO EXISTING DRAIN LINE. INSTALL NEW TAPERED INSULATION AND SLOPE TO DRAIN.

CLEAN TOP OF PARAPET AND APPLY DEXOTEX ELASTOMERIC COATING.

CLEAN METAL PARAPET SUPPORTS AND PRIME AND PAINT.

REMOVE EXISTING PITCH PANS AND INSTALL NEW GALVANIZED SHEET METAL PITCH PANS FILLED WITH PLASTIC CEMENT.

REMOVE EXISTING ROOFING DOWN TO ROOF SUBSTRATE INSTALL NEW FIBER CANT AND GALVANIZED METAL FLASHING.

7 ENTRY ROOF
SCALE: NTS

SAW CUT EXISTING PLASTER STUCCO FINISH TO ALLOW FOR THE INSTALLATION OF A CONTINUOUS SHEET METAL FLASHING AND FIBER CANT STRIP

CLEAN OUT EXISTING DRAIN, CUT ROOF SHEATHING AS REQUIRED FOR INSTALLATION OF NEW DOME ROOF DRAIN WITH STAINER, TIE INTO EXISTING DRAIN LINE.

6 ENTRY ROOF DRAIN
SCALE: NTS

DEMO AND REMOVE ALL EXISTING WOOD BRACING MEMBERS (TYPICAL)

DEMO AND REMOVE ALL EXISTING WOOD POSTS AND BRACING, PATCH AND REPAIR EXISTING ROOF SHEATHING AS REQUIRED FOR THE INSTALLATION OF NEW PARAPET SUPPORT SYSTEM.

REMOVE ALL EXISTING GALVANIZED PITCH PANS, PATCH AND REPAIR ROOF SHEATHING AS REQUIRED.

5 PARAPET POST AND BRACING
SCALE: NTS

REMOVE EXISTING PARAPET IN IT'S ENTIRETY.

12 NOT USED
SCALE: NTS

DEMO AND REMOVE ALL WOOD BRACING MEMBERS, PATCH AND REPAIR ROOF AND STUCCO WALL AS REQUIRED AFTER INSTALLATION OF NEW BRACING MEMBERS AND SUPPORTS.

DEMO AND REMOVE EXISTING STUCCO AND WOOD FRAMED PARAPET WALL IN IT'S ENTIRETY.

REMOVE (E) VERTICAL WOOD POST AND ANGLED WOOD BRACING MEMBERS AND REPLACE WITH NEW GALV. PIPE SUPPORTS AND COLUMN AND BRACING. SEE SHEET S1 FOR ADDITIONAL INFORMATION

PROVIDE P.T. SLEEPERS UNDER ALL UTILITY CONDUITS).

EXISTING PITCH PANS TO BE REMOVED. PATCH AND REPAIR ROOF SHEATHING AS REQUIRED.

REMOVE EXISTING ROOFING MEMBRANE DOWN TO THE PLYWOOD SHEATHING. CLEAN AND PREPARE SURFACE FOR THE INSTALLATION OF NEW ROOFING SYSTEM PER SPECIFICATIONS.

11 PARAPET WALL AND BRACING
SCALE: NTS

9 NOT USED
SCALE: NTS

9 NOT USED
SCALE: NTS

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

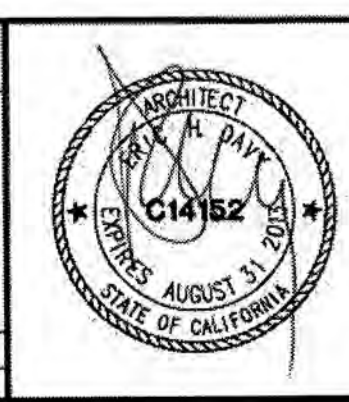
CONSULTANT

DAVY ARCHITECTURE

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SAN DIEGO CA 92101-6503
(619) 238-3811

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SCALE: HORIZONTAL NO SCALE
VERTICAL NO SCALE



CITY OF SAN DIEGO
PUBLIC WORKS PROJECT

WARNING

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

FUNDING CIP/SAP		SPEC. NO. K-13-5490-DBB-3		A-8	
MUNICIPAL GYMNASIUM RE-ROOFING					
ROOF PHOTOS					
CITY OF SAN DIEGO, CALIFORNIA SHEET 8 OF 10 SHEETS				W.B.S. B-00972	
APPROVED	FOR CITY ENGINEER	DATE	12/18/12	PROJECT MANAGER	Ali Darvishi
DESCRIPTION	BY	APPROVED	DATE	FILMED	SECTION HEAD
					XXX-XXXX CCS27 COORDINATE
					XXX-XXXX CCS85 COORDINATE
AS-BUILTS		DATE STARTED			
CONTRACTOR		DATE COMPLETED			
INSPECTOR					

MUNICIPAL GYMNASIUM - RE-ROOFING PROJECT

- GENERAL:**
- ALL MATERIALS, WORKMANSHIP, DESIGN AND CONSTRUCTION SHALL CONFORM TO MINIMUM STANDARDS OF THE 2010 EDITION OF THE CALIFORNIA BUILDING CODE (CBC) AND ANY OTHER REGULATORY AGENCIES WHO MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK.
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE RESIDENT ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES THAT ARE FOUND. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
 - WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK THE DETAILS USED SHALL BE THE SAME AS FOR THE OTHER SIMILAR WORK.
 - WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
 - CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING SHORING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED.
 - WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.

- STRUCTURAL DESIGN CRITERIA:**
- SEISMIC PARAMETERS:
OCCUPANCY CATEGORY: II
SEISMIC DESIGN CATEGORY: D, SITE CLASS D
DESIGN SPECTRAL ACCELERATION PARAMETERS: $S_{pg}+1.10$, $S_{p1}+0.670$
 - SEISMIC COEFFICIENT FOR MECHANICAL COMPONENTS: $R_p+2.5$, $d_p+1.0$
WIND: 85 MPH EXPOSURE: C.

- STRUCTURAL STEEL:**
- MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (19TH EDITION), INCLUDING ALL REFERENCED CODES.
 - THE STEEL FABRICATOR/ERECTOR SHALL PROVIDE SHOP DRAWINGS OF ALL STRUCTURAL STEEL FOR REVIEW PRIOR TO ANY FABRICATION OR ERECTION.
 - STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 (Fy+50 KSI) FOR "I" SHAPES AND ASTM A36 (Fy+36 KSI) FOR OTHER SHAPES.
 - PIPE COLUMN SHALL CONFORM TO ASTM A53, GRADE "B", (Fy+35 KSI)
 - TUBE COLUMN SHALL CONFORM TO ASTM A500, GRADE "B", (Fy+46 KSI)
 - MACHINE BOLTS SHALL CONFORM TO ASTM A307 UNLESS OTHERWISE NOTED.
 - ALL EXTERIOR EXPOSED STRUCTURAL STEEL OR MISCELLANEOUS METAL SHALL BE HOT-DIP GALVANIZED (G60) AFTER FABRICATION. ZINC COATING SHALL CONFORM TO ASTM A123. RESTORE DAMAGED GALVANIZING IN FIELD USING TWO COATS OF GALVALLOY OR EQUIVALENT.
 - ALL WELDING SHALL BE BY SHIELDED PROCESS AND SHALL BE PERFORMED BY CERTIFIED WELDERS USING E-70 ELECTRODES (UNLESS OTHERWISE NOTED) AND CONFORMING TO AISC AND AWS D11 STANDARDS. WELDS SHOWN ON DRAWINGS ARE MINIMUM SIZES. INCREASE WELD SIZE TO AWS MINIMUM SIZES, BASED ON PLATE THICKNESS. WELDING PROCEDURES SHALL BE SUBMITTED TO THE ENGINEER AND TESTING AGENCY FOR REVIEW PRIOR TO START OF FABRICATION OR ERECTION.
 - SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH SECTION 1704, 1707 AND 1708 OF THE CALIFORNIA BUILDING CODE AND THE "STATEMENT OF SPECIAL INSPECTIONS" ON THESE CONSTRUCTION DOCUMENTS.
 - ELECTRODES FILLER MATERIAL SHALL BE A MINIMUM OF E70XX UNLESS OTHERWISE NOTED. EXCEPT E60XX MAY BE USED FOR WELDING OF METAL DECK AND LIGHT GAUGE FRAMING.

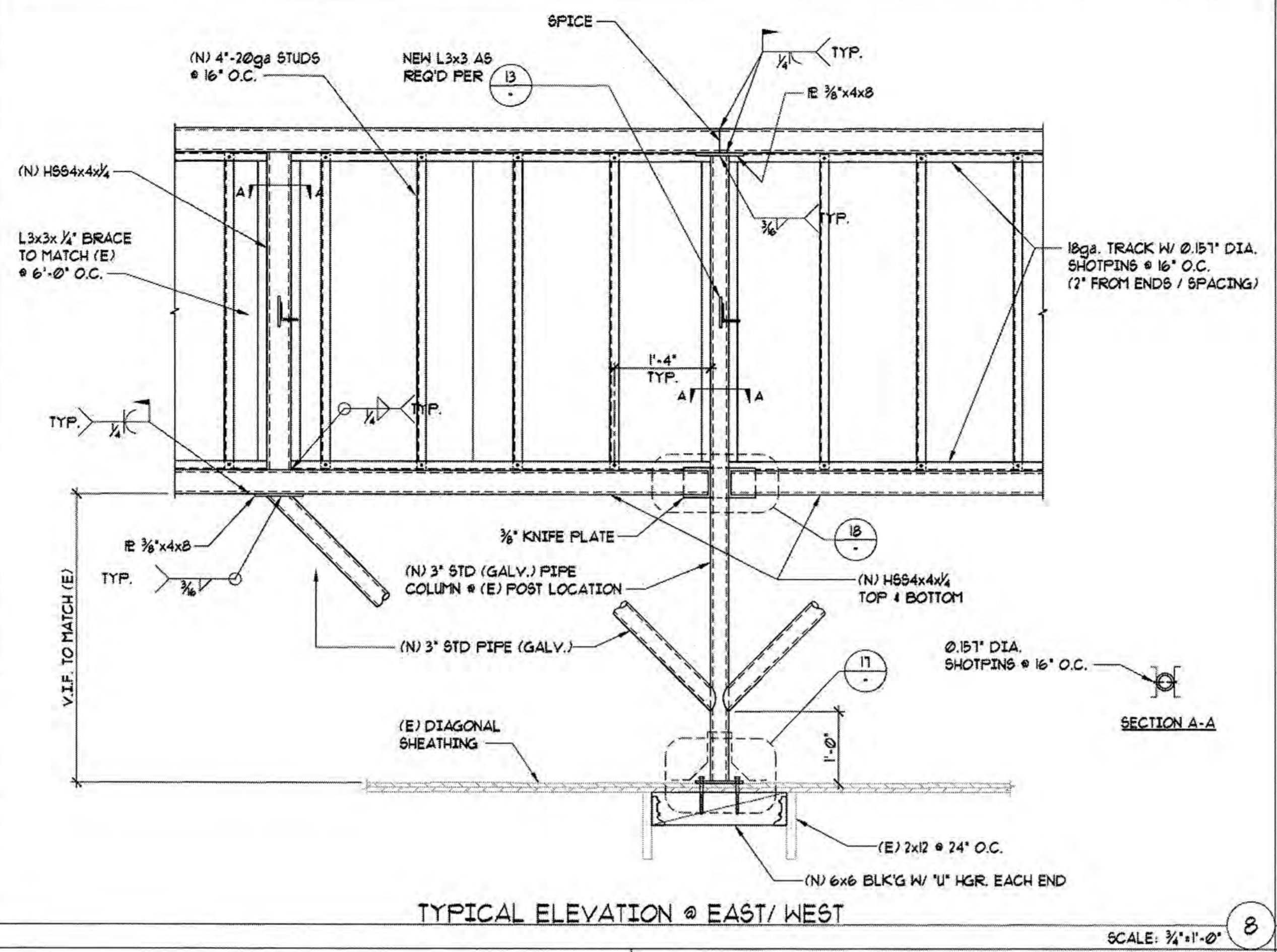
- STATEMENT OF SPECIAL INSPECTIONS:**
- WHERE CONTINUOUS SPECIAL INSPECTION IS REQUIRED, THE SPECIAL INSPECTOR SHALL CONTINUOUSLY PROVIDE FULL-TIME VERIFICATION OF THE WORK.
 - WHERE PERIODIC SPECIAL INSPECTION IS REQUIRED, THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING THE WORK WHERE PERIODIC INSPECTION IS INDICATED, AS A MINIMUM PERIODIC SPECIAL INSPECTION SHALL OCCUR DAILY.
 - SPECIAL INSPECTIONS SHALL MEET THE REQUIREMENTS OF THE CBC CHAPTER 17 AND SHALL BE PERFORMED BY A QUALIFIED INSPECTOR OR TESTING AGENCY, RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL TO ACT AS A SPECIAL INSPECTOR. THEY SHALL PERFORM INSPECTIONS PER CBC SECTIONS 1704, 1707 & 1708.
 - THE SPECIAL INSPECTOR SHALL CONTINUOUSLY INSPECT THE INITIAL INSTALLATION OF EACH TYPE AND SIZE OF ADHESIVE ANCHOR BY EACH INSTALLER. SUBSEQUENT INSTALLATIONS OF THE SAME TYPE AND SIZE OF ANCHOR BY THE SAME INSTALLER MAY BE PERFORMED ON A PERIODIC BASIS.

NOTICE TO THE APPLICANT / OWNER / OWNER'S AGENT / ARCHITECT OR ENGINEER OF RECORD:

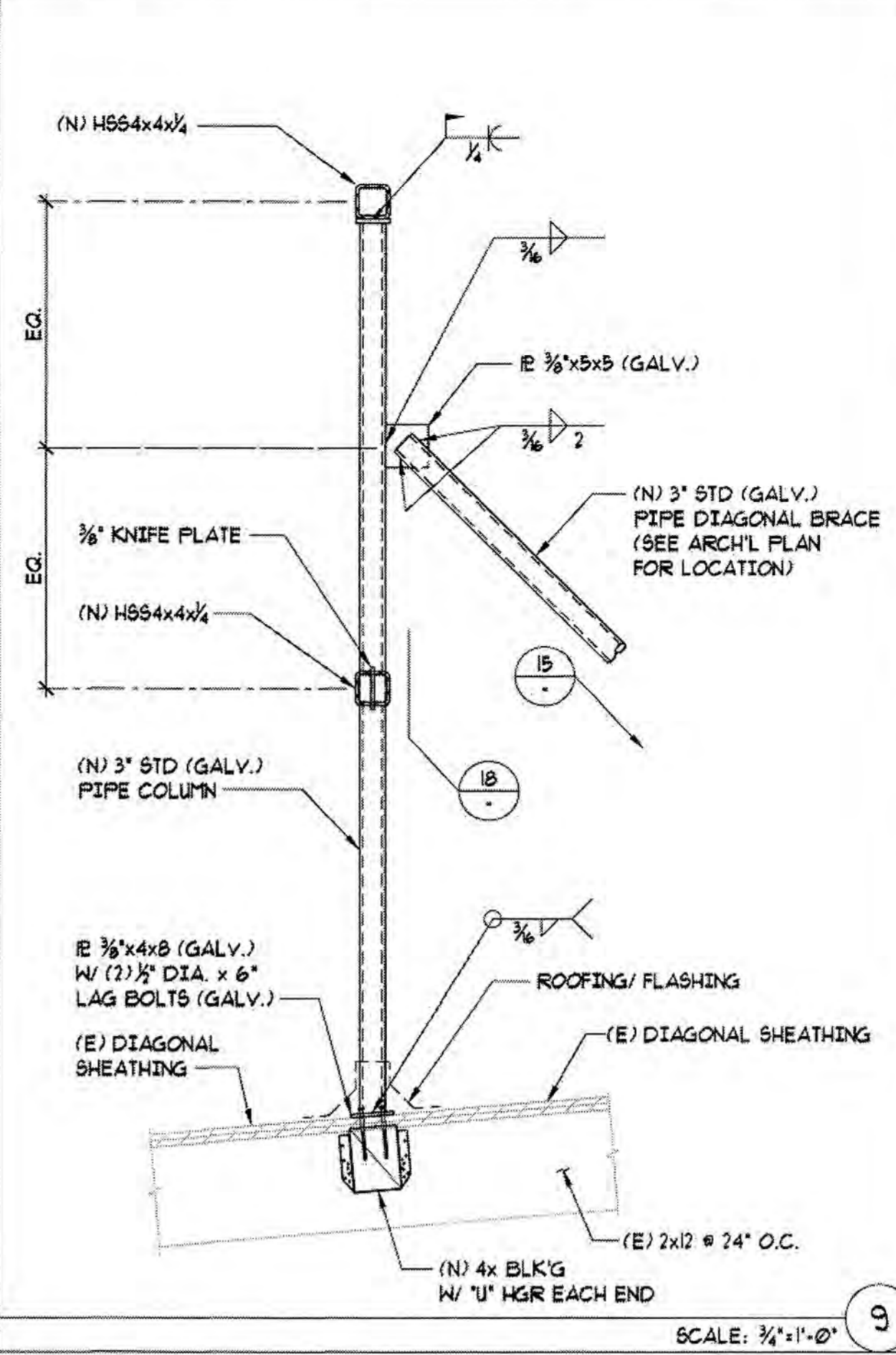
- BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION / INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF CITY OF SAN DIEGO FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.

NOTICE TO THE CONTRACTOR / BUILDER / SUB-CONTRACTOR / OWNER-BUILDER:

- BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION / INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE AND ARE AWARE OF THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF CITY OF SAN DIEGO FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATION, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.



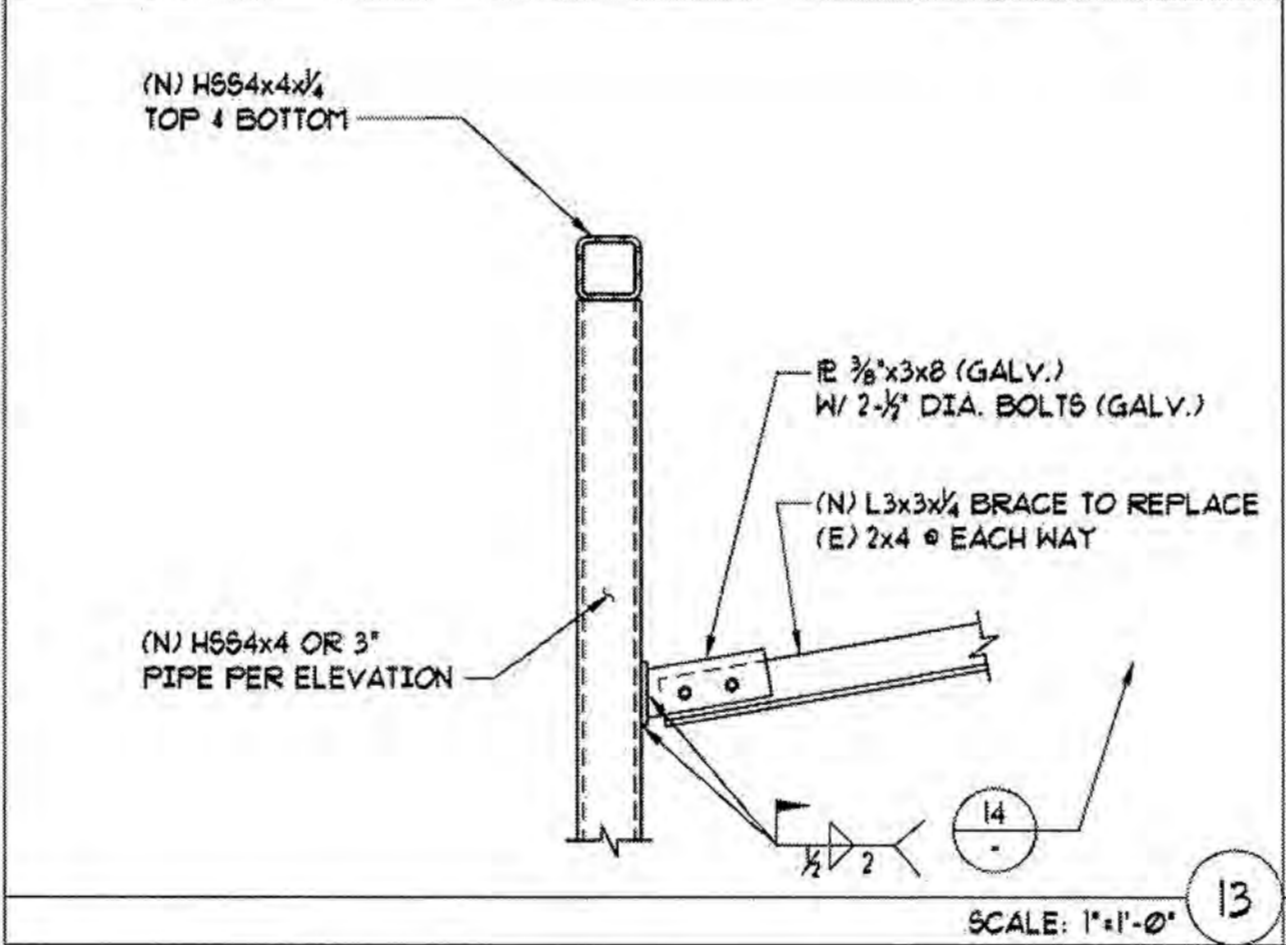
TYPICAL ELEVATION @ EAST/WEST SCALE: 3/4"=1'-0" 8



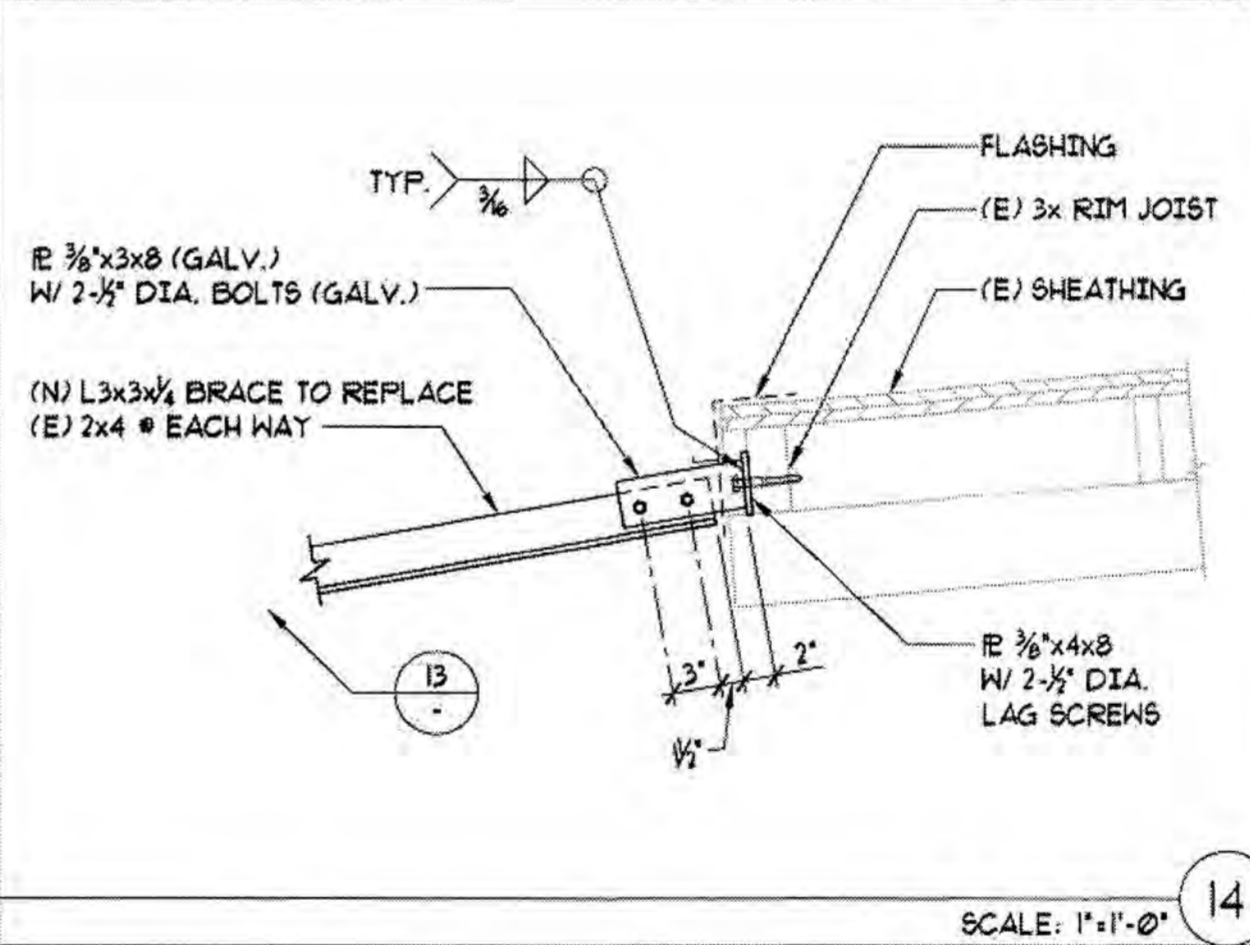
TYPICAL ELEVATION @ NORTH/SOUTH SCALE: 3/4"=1'-0" 9

SUMMARY OF SPECIAL INSPECTIONS		DESIGN STRENGTHS
DESCRIPTION OF TYPE OF INSPECTION REQUIRED, LOCATION, REMARKS, ETC.		
ALL STRUCTURAL WELDING (PERIODIC)		E70
OFF-SITE FABRICATION OF BUILDING COMPONENTS		

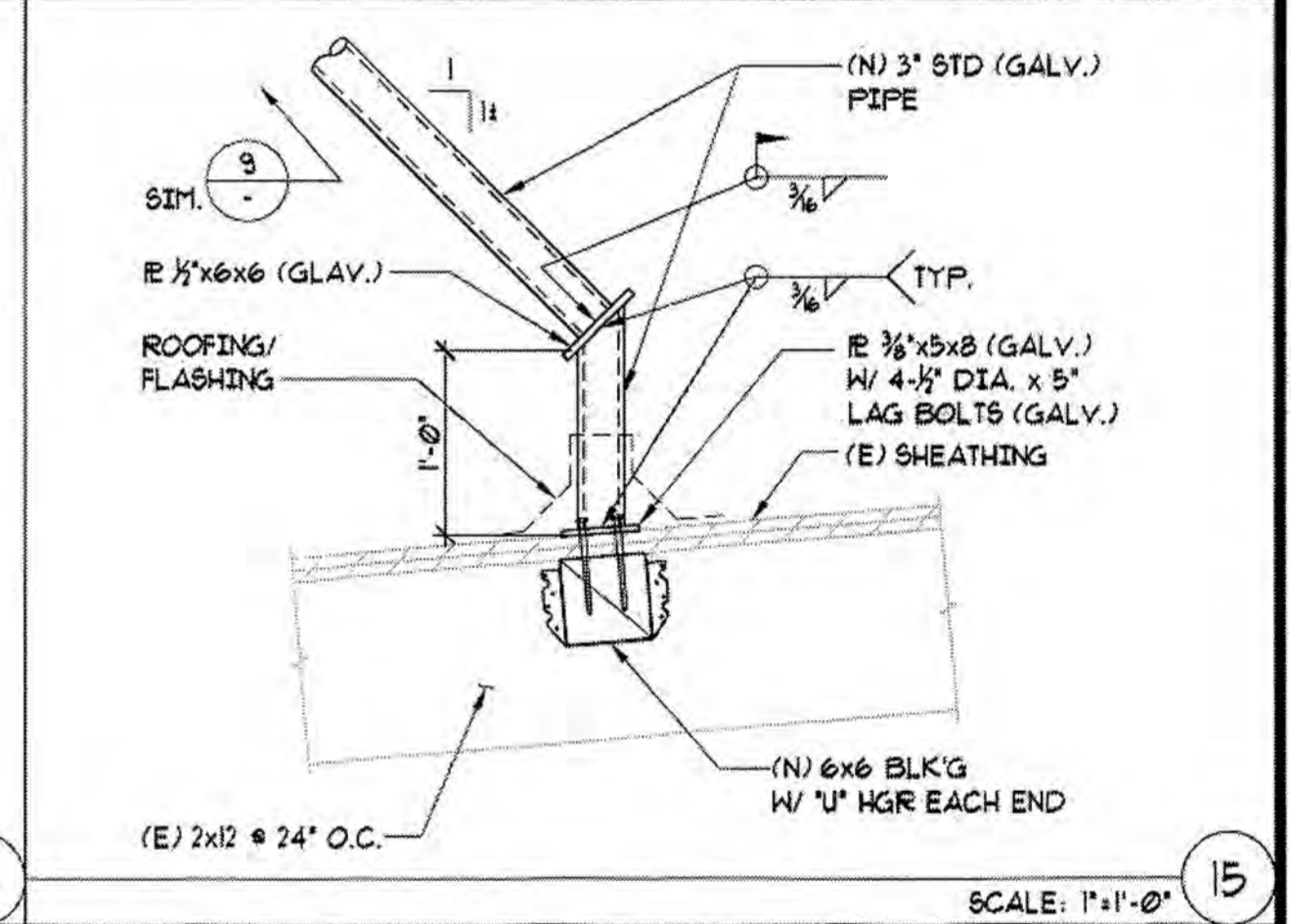
- STATEMENT OF SPECIAL INSPECTIONS NOTES:**
- THE CONSTRUCTION INSPECTIONS LISTED ARE IN ADDITION TO THE CALLED INSPECTIONS REQUIRED BY CBC. THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE, IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A CITY'S BUILDING INSPECTOR. SPECIALLY INSPECTED WORK WHICH IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE CITY INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE.
 - SPECIAL INSPECTION IS REQUIRED DURING THE PERFORMANCE OF THE WORK PER CBC REFERENCED ABOVE.
 - IT IS THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR TO NOTIFY THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST TWO WORKING DAYS PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. ALL WORK PERFORMED WITHOUT SPECIAL INSPECTION IS SUBJECT TO REMOVAL.
 - A CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE FIELD INSPECTION DIVISION.
 - THE SPECIAL INSPECTOR MUST BE CERTIFIED BY THE CITY OF SAN DIEGO, DEVELOPMENT SERVICES, IN THE CATEGORY OF WORK REQUIRED TO THE HAVE SPECIAL INSPECTION.
 - THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE CITY OF SAN DIEGO, DEVELOPMENT SERVICES, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND EQUIPMENTS.
 - FABRICATOR MUST BE REGISTERED AND APPROVED BY THE CITY OF SAN DIEGO, DEVELOPMENT SERVICES FOR THE FABRICATION OF MEMBERS AND ASSEMBLIES ON THE PREMISES OF THE FABRICATOR'S SHOP.
 - FABRICATOR SHALL SUBMIT AN APPLICATION TO PERFORM OFF-SITE FABRICATION TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO COMMENCEMENT OF FABRICATION.
 - FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE OF OFF-SITE FABRICATION TO THE INSPECTION SERVICES DIVISION PRIOR TO ERECTION OF FABRICATED ITEMS AND ASSEMBLIES.
 - A PROPERTY OWNER'S FINAL REPORT FORM FOR WORK REQUIRED TO HAVE SPECIAL INSPECTIONS, TESTING AND OBSERVATION MUST BE COMPLETED BY THE PROPERTY OWNER, PROPERTY OWNER'S AGENT OF RECORD, ARCHITECT OF RECORD OR ENGINEER OF RECORD AND SUBMITTED TO THE INSPECTION SERVICES DIVISION.



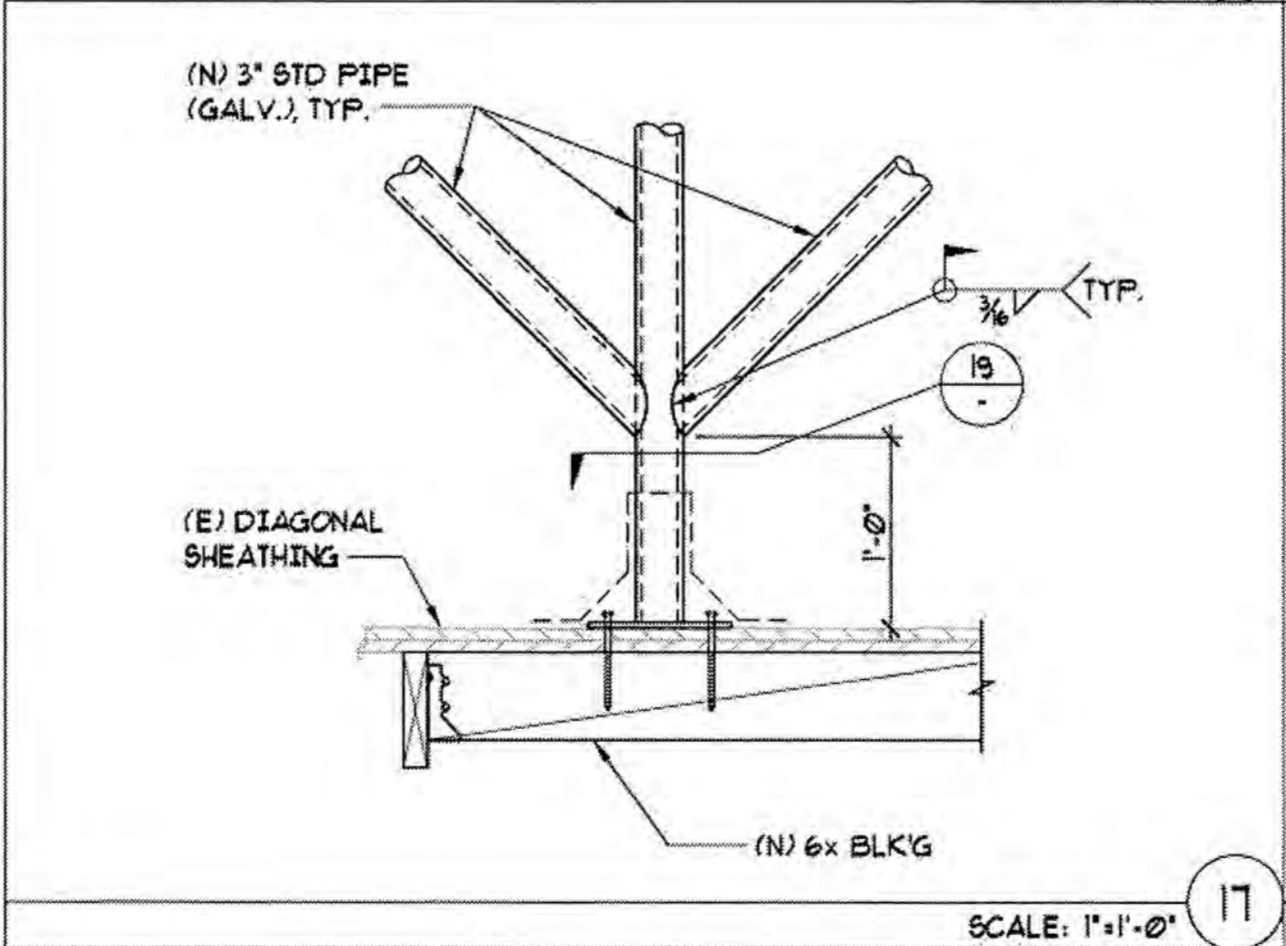
SCALE: 1"=1'-0" 13



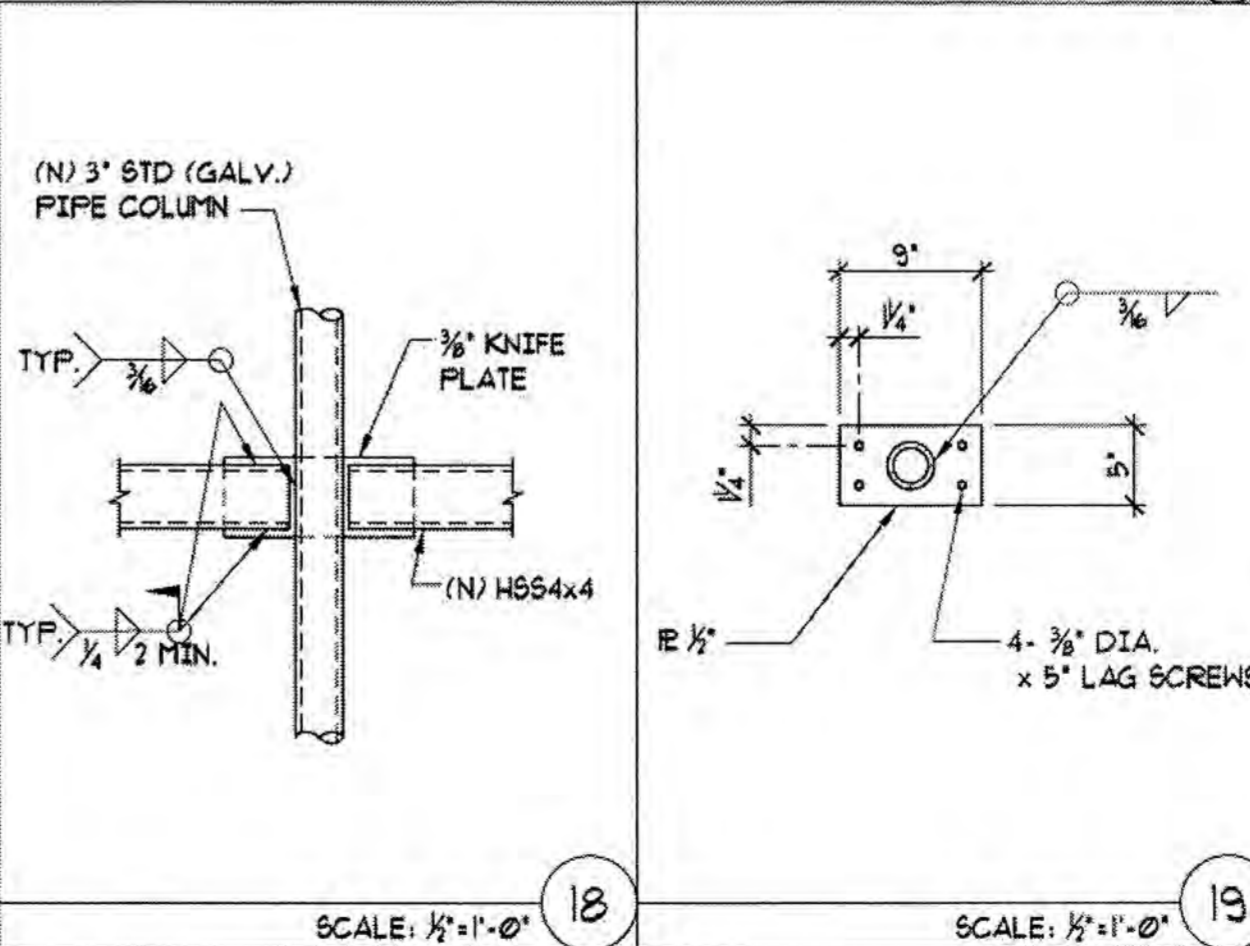
SCALE: 1"=1'-0" 14



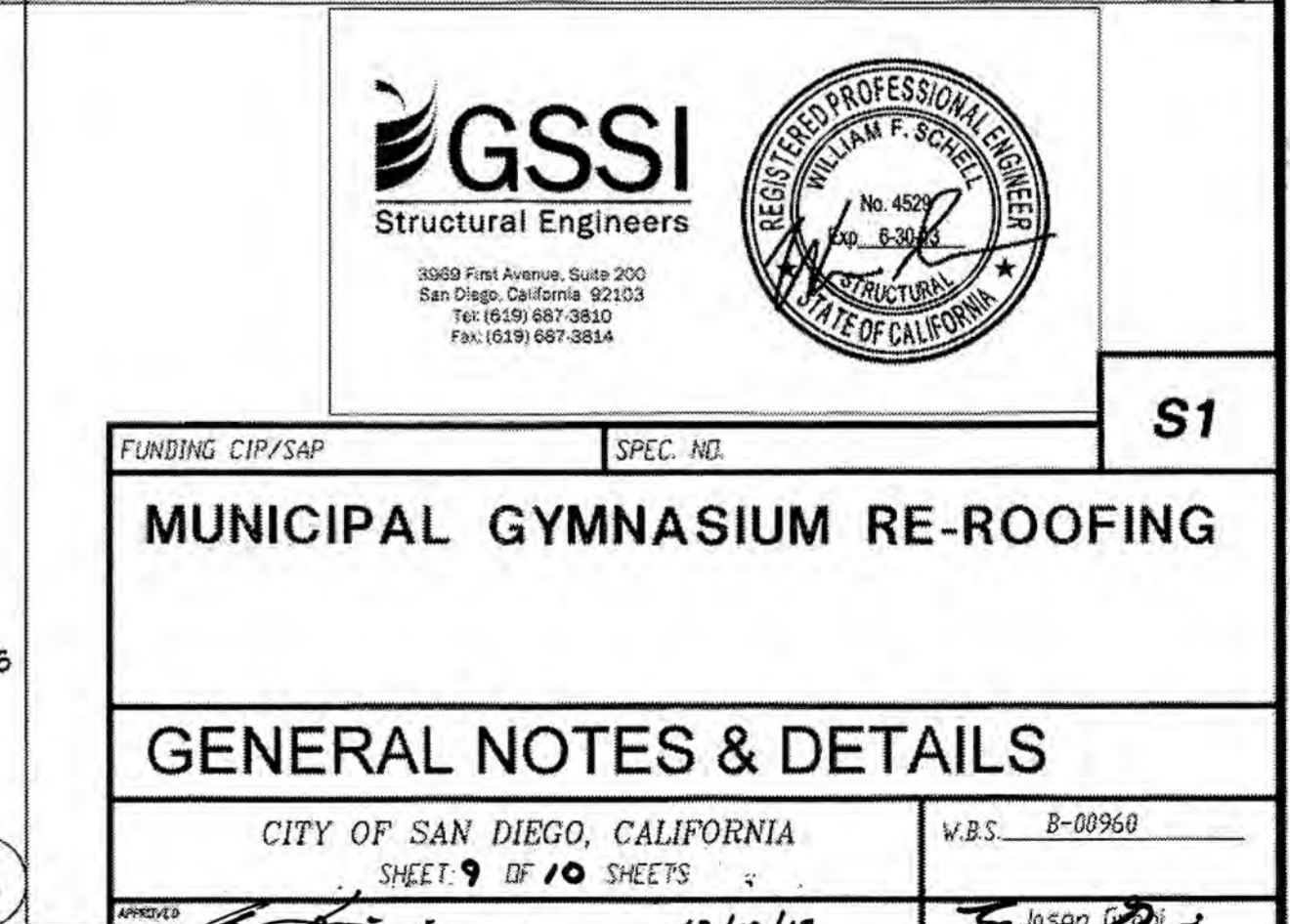
SCALE: 1"=1'-0" 15



SCALE: 1"=1'-0" 17



SCALE: 1/2"=1'-0" 18



SCALE: 1/2"=1'-0" 19

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

CONSULTANT

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(619) 238-3811

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SCALE: HORIZONTAL NO SCALE, VERTICAL NO SCALE

CITY OF SAN DIEGO PUBLIC WORKS PROJECT

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GSSI Structural Engineers
3888 First Avenue, Suite 200
San Diego, California 92103
Tel: (619) 687-9810
Fax: (619) 687-9814

REGISTERED PROFESSIONAL ENGINEER
WILLIAM F. SCHULTZ
No. 4552
Exp. 8-30-15
STRUCTURAL
STATE OF CALIFORNIA

FUNDING CIP/SAP: _____ SPEC. NO.: _____

MUNICIPAL GYMNASIUM RE-ROOFING

GENERAL NOTES & DETAILS

CITY OF SAN DIEGO, CALIFORNIA W.B.S. B-09960
SHEET 9 OF 10 SHEETS

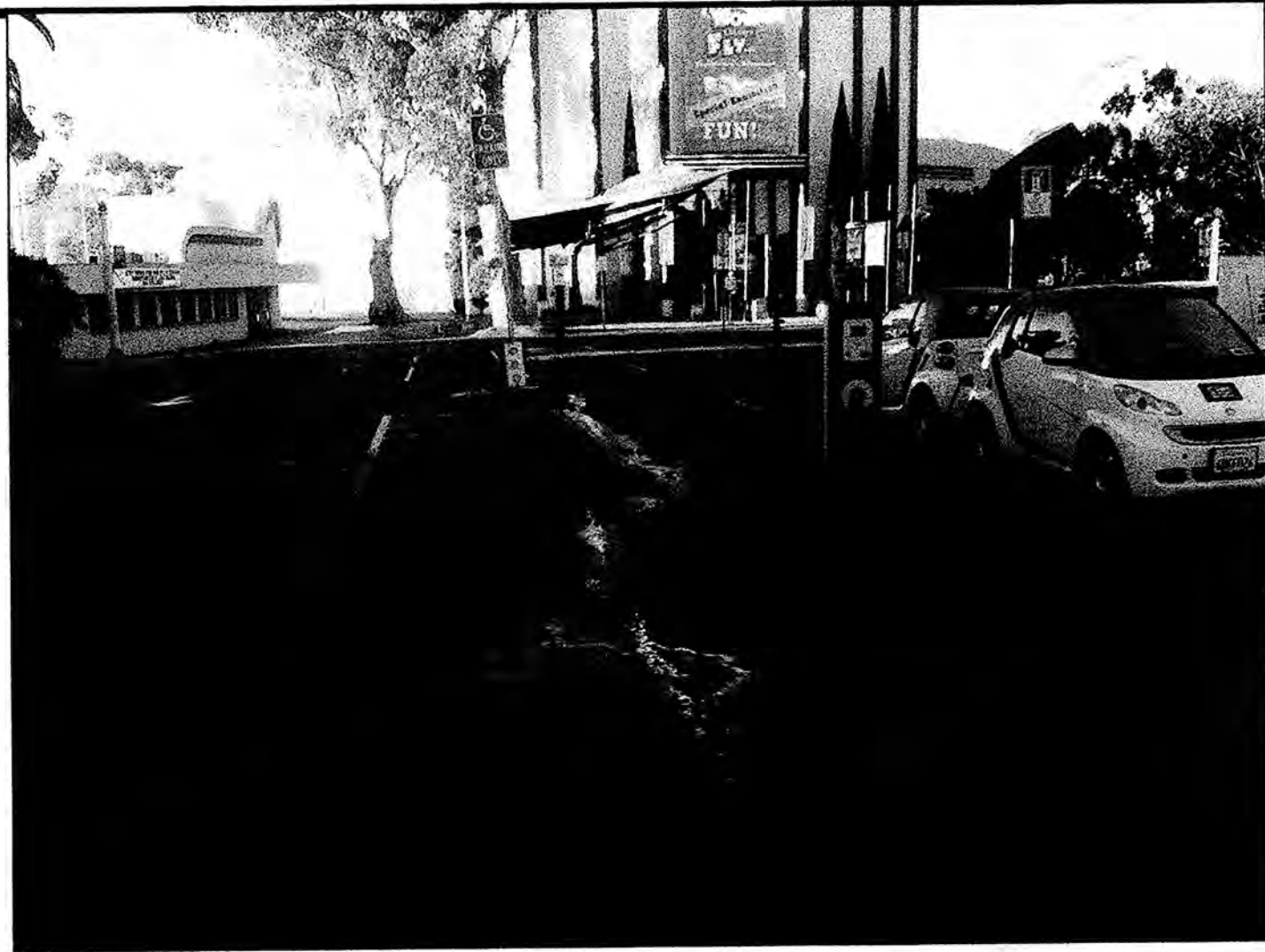
DATE: 12/15/12

DESCRIPTION	BY	APPROVED	DATE	FILED
AS-BUILTS				
CONTRACTOR				
INSPECTOR				

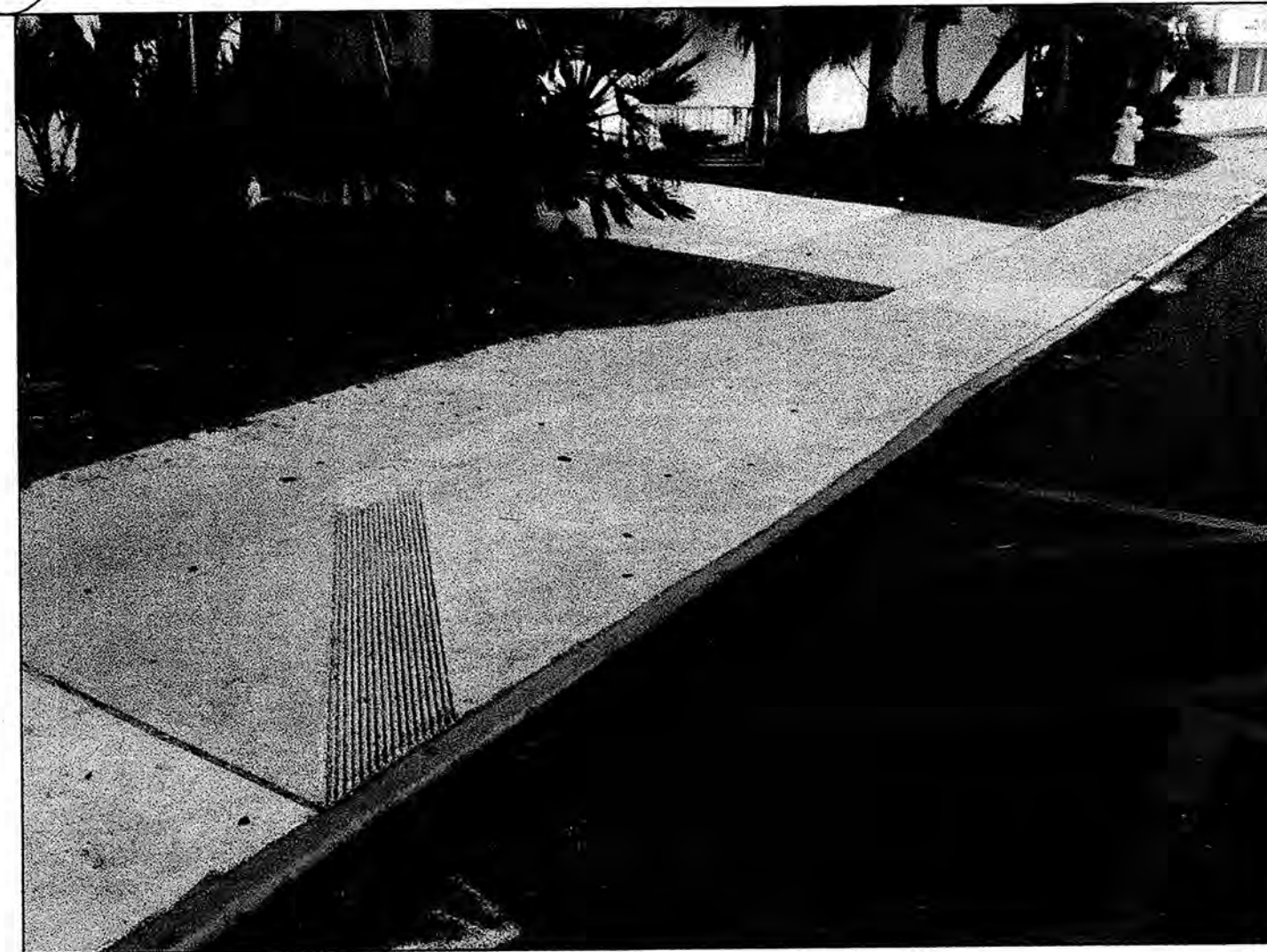
DATE STARTED: _____ DATE COMPLETED: _____

36528-9-D

MUNICIPAL GYMNASIUM - RE-ROOFING PROJECT



A EXISTING ADA ACCESSIBLE PARKING STALL
SCALE: NTS



B EXISTING CURB RAMP
SCALE: NTS

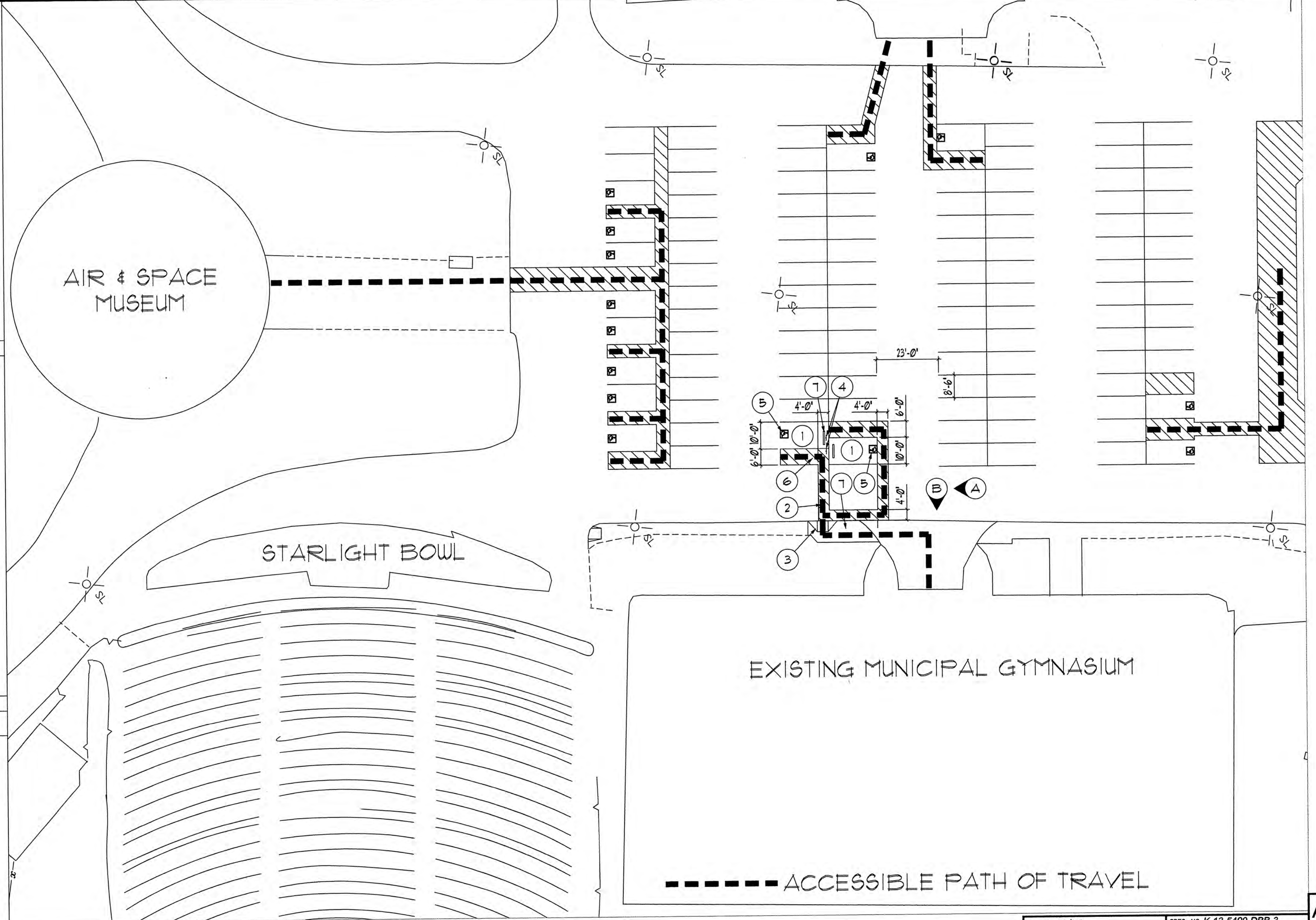
SYMBOL LEGEND

- ① EXISTING ADA ACCESSIBLE PARKING STALL.
- ② EXISTING ADA PATH OF TRAVEL.
- ③ EXISTING CURB RAMP TO BE REMOVED AND REPLACED WITH TYPE 'B' RAMP SEE STANDARD CITY OF SAN DIEGO STANDARD DRAWING SDG-132.
- ④ EXISTING ADA PARKING SIGNAGE REMOVE AND REPLACE WITH SDM-111.
- ⑤ EXISTING ADA PAINTED INTERNATIONAL SYMBOL OF ACCESSIBILITY.
- ⑥ EXISTING ADA PAINTED PATH OF TRAVEL ACCESS HATCHING.
- ⑦ SIDEWALK TO BE REPLACED. SEE CITY OF SAN DIEGO STANDARD DRAWING SDG-155.

Ⓐ = SEE PICTURE

I AM THE OWNER IN RESPONSIBLE CHARGE OF THIS TENANT IMPROVEMENT PROJECT. I HAVE INSPECTED THE SITE AND DETERMINED THAT EXISTING PATH OF TRAVEL TO THE BUILDING WILL BE IN COMPLIANCE WITH CURRENT SITE ACCESSIBILITY REQUIREMENTS TO THE EXTENT REQUIRED BY LAW.

Signature: *Jason Granl* DATE: 11/30/2012 PRINT NAME: JASON GRANL



1 EXISTING PARTIAL SITE PLAN
SCALE: 1/8" = 1'-0"

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FUNDING CIP/SAP: _____ SPEC. NO. K-13-5490-DBB-3

MUNICIPAL GYMNASIUM RE-ROOFING

PARTIAL SITE PLAN

CITY OF SAN DIEGO, CALIFORNIA SHEET 10 OF 10 SHEETS W.B.S. B-00872

APPROVED: *Jason Granl* DATE: 12/13/12 PROJECT MANAGER: *Ali Darishi*

DESCRIPTION	BY	APPROVED	DATE	FILMED

AS-BUILTS: _____ DATE STARTED: _____ CONTRACTOR: _____ DATE COMPLETED: _____ INSPECTOR: _____

36528-10-D

MUNICIPAL GYMNASIUM - RE-ROOFING PROJECT

A-10