

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

2375 Northside Drive, Suite 100, San Diego, CA 92108
Phone (619) 516-1990 • Fax (619) 516-1994
<http://www.waterboards.ca.gov/sandiego/>

Clean Water Act Section 401 Water Quality Certification
and Waste Discharge Requirements
for Discharge of Dredged and/or Fill Materials

**PROJECT: City of San Clemente Marine Safety Building
Structural Repairs, Accessibility Improvements and
Bulkhead Repairs Project
Certification Number R9-2018-0078
WDID: 9000003297**

Reg. Meas. ID: 421126
Place ID: 846884
Party ID: 42965
Person ID: 495942

**APPLICANT: City of San Clemente
910 Calle Negocio, Suite 100
San Clemente, CA 92672**

ACTION:

<input checked="" type="checkbox"/> Order for Low Impact Certification	<input type="checkbox"/> Order for Denial of Certification
<input type="checkbox"/> Order for Technically-conditioned Certification	<input type="checkbox"/> Waiver of Waste Discharge Requirements
<input checked="" type="checkbox"/> Enrollment in SWRCB GWDR Order No. 2003-017-DWQ	<input type="checkbox"/> Enrollment in Isolated Waters Order No. 2004-004-DWQ

PROJECT DESCRIPTION

An application dated April 20, 2018 was submitted by City of San Clemente (hereinafter Applicant), for Water Quality Certification pursuant to section 401 of the Clean Water Act (33 U.S.C. § 1341) for the proposed City of San Clemente Marine Safety Building Structural Repairs, Accessibility Improvements and Bulkhead Repairs Project (Project). The Applicant has also applied for authorization under Clean Water Act section 404 from the United States Army Corps of Engineers for the Project (USACE File Nos. SPL-2018-00299-MY).

The Project is located within the City of San Clemente, Orange County, California at 620 Avenida Del Mar. The Project center reading is located at latitude 33.421002 and longitude -117.621583.

The Applicant has paid all required fees for this Certification in the amount of \$1,500.00. On an annual basis, the Applicant must also pay all active discharge fees and post discharge monitoring fees, as appropriate¹. On June 11, 2018, the San Diego Water Board provided

¹ The Applicant shall pay an annual active discharge fee each fiscal year or portion of a fiscal year during which discharges occur until the regional water board or the State Water Resources Control Board (State Water Board) issues a Notice of Completion of Discharges Letter to the discharger. Dischargers shall pay an annual post-discharge monitoring fee each fiscal year or portion of a fiscal year commencing with the first fiscal year following the fiscal year in which the regional water board or State Water Board issued a Notice of Completion of Discharges Letter to the discharger, but continued water quality monitoring or compensatory mitigation monitoring is required. Dischargers shall pay the annual post-discharge monitoring fee
(footnote continued on next page)

public notice of the Project application pursuant to California Code of Regulations, title 23, section 3858 by posting information describing the Project on the San Diego Water Board's web site and providing a period of twenty-one days for public review and comment. No comments were received.

The Applicant proposes to implement structural foundation repairs to the existing San Clemente Marine Safety Building and installation of a new steel sheet pile bulkhead in front (water side) of an existing steel sheet pile bulkhead. The proposed repairs include the following elements:

Building Site / Structural Foundation Work

- Approximately 400 sq. ft. of at-grade concrete walkway/deck replacement.
- Approximately 92 sq. ft. of wood catwalk removal.
- Approximately 190 sq. ft. of wood deck replacement.
- Siding replacement along Northwest and Southwest sides of the building (sides facing the ocean).
- Concrete Repairs to 5 existing concrete piles underneath the building using fiberglass jackets around the existing concrete piling.
- Concrete Repairs to approximately 85 linear feet of concrete beam which provide support to the building under the floor.
- Removal of one existing timber pile and replacement with one new steel pile.
- Installation of 20 linear feet of 8" thick concrete wall between existing bulkhead and existing concrete foundation beam.

Steel Sheet Pile Bulkhead Work

- Placement of approximately 220 linear feet of steel sheet pile bulkhead with concrete cap, immediately in front of, and aligned with the existing bulkhead.
- Removal of approximately 4,250 sq. ft. of filter fabric and placement of concrete armor mat between the bulkhead and building foundation wall under the building.

Building foundation repairs are necessary in order to maintain a safe facility for official use by the lifeguards. Project construction will permanently impact a maximum of 0.09 acre (220 linear feet) of ocean waters of the United States and/or State. Installation of the steel sheet piles will be accomplished at lower tides. Impacts are limited to unvegetated sandy beach. Project impacts are the minimum necessary to replace the existing sheet pile bulkhead. No compensatory mitigation is required as the Project will replace and repair an existing facility with no loss of aquatic resource functions.

Additional Project details are provided in Attachments 1 through 2 of this Certification.

(footnote continued from previous page)

each fiscal year until the regional water board or the State Water Board issues a Notice of Project Complete Letter to the discharger. Additional information regarding Water Quality Fees, Waste Discharge Requirement Fees, and Water Quality Certification Dredge and Fill Application Fee Calculator can be found electronically at the following location:
http://www.waterboards.ca.gov/resources/fees/water_quality/#wqfees.

TABLE OF CONTENTS

I.	STANDARD CONDITIONS.....	4
II.	GENERAL CONDITIONS	4
III.	PROJECT IMPACTS AND COMPENSATORY MITIGATION	7
IV.	MONITORING AND REPORTING REQUIREMENTS	8
V.	NOTIFICATION REQUIREMENTS	10
VI.	CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE	12
VII.	SAN DIEGO WATER BOARD CONTACT PERSON	12
VIII.	WATER QUALITY CERTIFICATION	12

Attachments:

1. Definitions
2. Project Figures and Plans

The San Diego Water Board has independently reviewed the record of the Project to analyze the extent and nature of proposed Project impacts to the water quality and beneficial uses of waters of the United States and/or State and associated compensatory mitigation required to offset impacts attributed to the Project. In accordance with this Certification, the Applicant may proceed with the Project under the following terms and conditions:

I. STANDARD CONDITIONS

Pursuant to section 3860 of title 23 of the California Code of Regulations, the following three standard conditions apply to all water quality certification actions:

- A. This Certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the Water Code and chapter 28, article 6 (commencing with title 23, section 3867), of the California Code of Regulations.
- B. This Certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility and requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent Certification application was filed pursuant to California Code of Regulations title 23, section 3855 subdivision (b), and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
- C. This Certification action is conditioned upon total payment of any fee required under title 23, chapter 28 (commencing with section 3830) of California Code of Regulations and owed by the applicant.

II. GENERAL CONDITIONS

- A. **Term of Certification.** Water Quality Certification No. R9-2018-0078 (Certification) shall expire upon a) the expiration or retraction of the Clean Water Act section 404 (33 U.S.C. §1344) permit issued by the U.S. Army Corps of Engineers for this Project, or b) five (5) years from the date of issuance of this Certification, whichever occurs first.
- B. **Duty to Comply.** The Applicant must comply with all conditions and requirements of this Certification. Any Certification noncompliance constitutes a violation of the Water Code and is grounds for enforcement action or Certification termination, revocation and reissuance, or modification.

- C. **General Waste Discharge Requirements.** The requirements of this Certification are enforceable through Water Quality Order No. 2003-0017-DWQ, *Statewide General Waste Discharge Requirements for Discharges of Dredged or Fill Material that have Received State Water Quality Certification* (Water Quality Order No. 2003-0017-DWQ). This provision shall apply irrespective of whether a) the federal permit for which the Certification was obtained is subsequently retracted or is expired, or b) the Certification is expired. Water Quality Order No. 2003-0017-DWQ is accessible at:

http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/generalorders/gowdr401regulated_projects.pdf

- D. **Project Conformance with Application.** All water quality protection measures and BMPs described in the application and supplemental information for water quality certification are incorporated by reference into this Certification as if fully stated herein. Notwithstanding any more specific conditions in this Certification, the Applicant shall construct, implement and comply with all water quality protection measures and BMPs described in the application and supplemental information. The conditions within this Certification shall supersede conflicting provisions within the application and supplemental information submitted as part of this Certification action.
- E. **Project Conformance with Water Quality Control Plans or Policies.** Notwithstanding any more specific conditions in this Certification, the Project shall be constructed in a manner consistent with the *Water Quality Control Plan, Ocean Waters of California (Ocean Plan)*, Basin Plan and any other applicable water quality control plans or policies adopted or approved pursuant to the Porter Cologne Water Quality Act (Division 7, commencing with Water Code Section 13000) or section 303 of the Clean Water Act (33 U.S.C §1313.). The Basin Plan is accessible on-line at:

http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/index.shtml

- F. **Beneficial Use Protection.** The Applicant must take all necessary measures to protect the beneficial uses of waters of Pacific Ocean. This Certification requires compliance with all applicable requirements of the Basin Plan. If at any time, an unauthorized discharge to surface waters (including rivers or streams) occurs or monitoring indicates that the Project is violating, or threatens to violate, water quality objectives, the associated Project activities shall cease immediately and the San Diego Water Board shall be notified in accordance with Notification Requirement VI.A of this Certification. Associated Project activities may not resume without approval from the San Diego Water Board.
- G. **Project Modification.** The Applicant must submit any changes to the Project, including Project operation, which would have a significant or material effect on the findings, conclusions, or conditions of this Certification, to the San Diego Water for prior review and written approval. If the San Diego Water Board is not notified of a significant change to the Project, it will be considered a violation of this Certification

- H. **Certification Distribution Posting.** During Project construction, the Applicant must maintain a copy of this Certification at the Project site. This Certification must be available at all times to site personnel and agencies. A copy of this Certification shall also be provided to any contractor or subcontractor performing construction work, and the copy shall remain in their possession at the Project site.
- I. **Inspection and Entry.** The Applicant must allow the San Diego Water Board or the State Water Resources Control Board, and/or their authorized representative(s) (including an authorized contractor acting as their representative), upon the presentation of credentials and other documents as may be required under law, to:
1. Enter upon the Project or Compensatory Mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Certification;
 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Certification;
 3. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Certification; and
 4. Sample or monitor, at reasonable times, for the purposes of assuring Certification compliance, or as otherwise authorized by the Clean Water Act or Water Code, any substances or parameters at any location.
- J. **Enforcement Notification.** In the event of any violation or threatened violation of the conditions of this Certification, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Certification.
- K. **Certification Actions.** This Certification may be modified, revoked and reissued, or terminated for cause including but not limited to the following:
1. Violation of any term or condition of this Certification;
 2. Monitoring results indicate that continued Project activities could violate water quality objectives or impair the beneficial uses of Pacific Ocean;
 3. Obtaining this Certification by misrepresentation or failure to disclose fully all relevant facts;
 4. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge; and

5. Incorporation of any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or section 303 of the Clean Water Act.

The filing of a request by the Applicant for modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Certification condition.

- L. **Duty to Provide Information.** The Applicant shall furnish to the San Diego Water Board, within a reasonable time, any information which the San Diego Water Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Certification or to determine compliance with this Certification.
- M. **Property Rights.** This Certification does not convey any property rights of any sort, or any exclusive privilege.
- N. **Petitions.** Any person aggrieved by this action of the San Diego Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with the California Code of Regulations, title 23, sections 3867 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Certification. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.
- O. **Construction BMPs.** The Applicant must use properly secured tarp enclosures to capture any debris. Construction equipment must be used and stored from the shore (i.e., away from the water) to the greatest practical extent. Pre-fabrication of material used for repairs must occur away from water and beach areas. Installation of steel sheet piles must be accomplished at lower tides. Sheet pile installation must utilize a cushion block for the diesel impact hammer. Sheet pile installation must occur at lower tides.

III. PROJECT IMPACTS AND COMPENSATORY MITIGATION

- A. **Project Impacts Avoidance.** The Project must avoid and minimize adverse impacts to waters of the United States and/or State to the maximum extent practicable. Project activities must not cause a discharge of waste to the Pacific Ocean.
- B. **Project Impacts and Compensatory Mitigation.** Unavoidable Project impacts to the Pacific Ocean within the San Juan Watershed must not exceed the type and magnitude of impacts described in the table below. Impacts are limited to unvegetated sandy beach:

	Impacts (acres)	Impacts (linear ft.)	Mitigation for Impacts (acres)	Mitigation Ratio (area mitigated :area impacted)	Mitigation for Impacts (linear ft.)	Mitigation Ratio (linear feet mitigated :linear feet impacted)
Permanent Impacts						
Ocean	0.09	220	NA	NA	NA	NA
Temporary Impacts¹						
	0	0	NA	NA	NA	NA

1. No waters of the United States and/or State shall receive temporary discharges of fill associated with the Project.

IV. MONITORING AND REPORTING REQUIREMENTS

A. **Annual Project Progress Reports.** The Applicant must submit annual Project progress reports describing compliance with all requirements of this Certification to the San Diego Water Board prior to **March 1** of each year following the issuance of this Certification, until the Project has reached completion. Annual Project Progress Reports must be submitted even if Project construction has not begun. The monitoring period for each Annual Project Progress Report shall be January 1st through December 31st of each year. Annual Project Progress Reports must include, at a minimum, the following:

1. The names, qualifications, and affiliations of the persons contributing to the report;
2. The status, progress, and anticipated schedule for completion of Project construction activities;
3. A description of Project construction delays encountered or anticipated that may affect the schedule for construction completion; and
4. A description of each incident of noncompliance during the annual monitoring period and its cause, the period of the noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

B. **Final Project Completion Report.** The Applicant must submit a Final Project Completion Report to the San Diego Water Board **within 30 days of completion** of the Project. The final report must include the following information:

1. Date of construction initiation;
2. Date of construction completion; and
3. As-built drawings of the Project, no bigger than 11”X17.”

C. **Reporting Authority.** The submittal of information required under this Certification, or in response to a suspected violation of any condition of this Certification, is required pursuant to Water Code section 13267 and 13383. Civil liability may be administratively imposed by the San Diego Water Board for failure to submit information pursuant to Water Code sections 13268 or 13385.

D. **Electronic Document Submittal.** The Applicant must submit all reports and information required under this Certification in electronic format via e-mail to SanDiego@waterboards.ca.gov. Documents over 50 megabytes will not be accepted via e-mail and must be placed on a disc and delivered to:

California Regional Water Quality Control Board
San Diego Region
Attn: 401 Certification No. R9-2018-0078:846884:dbradford
2375 Northside Drive, Suite 100
San Diego, California 92108

Each electronic document must be submitted as a single file, in Portable Document Format (PDF), and converted to text searchable format using Optical Character Recognition (OCR). All electronic documents must include scanned copies of all signature pages; electronic signatures will not be accepted. Electronic documents submitted to the San Diego Water Board must include the following identification numbers in the header or subject line: Certification No. R9-2018-0078:846884:dbradford.

E. **Document Signatory Requirements.** All applications, reports, or information submitted to the San Diego Water Board must be signed as follows:

1. For a corporation, by a responsible corporate officer of at least the level of vice president.
2. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
3. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
4. A duly authorized representative may sign applications, reports, or information if:
 - a. The authorization is made in writing by a person described above.

- b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
- c. The written authorization is submitted to the San Diego Water Board Executive Officer.

If such authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the Project, a new authorization satisfying the above requirements must be submitted to the San Diego Water Board prior to or together with any reports, information, or applications, to be signed by an authorized representative.

- F. **Document Certification Requirements.** All applications, reports, or information submitted to the San Diego Water Board must be certified as follows:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

V. NOTIFICATION REQUIREMENTS

- A. **Twenty Four Hour Non-Compliance Reporting.** The Applicant shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the San Diego Water Board within **24 hours** from the time the Applicant becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Applicant becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The San Diego Water Board, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
- B. **Caulerpa Taxifolia.** The Applicant must conduct a surveillance-level survey for *Caulerpa taxifolia*, in accordance with the requirements in the National Marine Fisheries Service's *Caulerpa* Control Protocol (version 4), dated February 25, 2008, not more than 90 days before the initiation of construction to determine presence/absence of this species within the immediate vicinity of the project. If *Caulerpa taxifolia* is identified during a survey, or at any other time before, during, or within 120 days following completion of authorized activities, both National Marine Fisheries Service and California Department of Fish and Wildlife must be contacted within 24 hours of first noting the occurrence. In the event *Caulerpa taxifolia* is detected, all disturbing activity must cease until such time as the infestation has been isolated and treated, or the risk of spread from the disturbing activity is eliminated in accordance with the *Caulerpa* Control Protocol.

- C. **Anticipated Noncompliance.** The Applicant shall give advance notice to the San Diego Water Board of any planned changes in the Project or the Compensatory Mitigation project which may result in noncompliance with Certification conditions or requirements.
- D. **Discharge Commencement.** The Applicant must notify the San Diego Water Board in writing **at least 5 days prior to** the start of Project construction.
- E. **Transfers.** This Certification is not transferable in its entirety or in part to any person or organization except after notice to the San Diego Water Board in accordance with the following terms:
1. **Transfer of Property Ownership:** The Applicant must notify the San Diego Water Board of any change in ownership of the Project area. Notification of change in ownership must include, but not be limited to, a statement that the Applicant has provided the purchaser with a copy of the Section 401 Water Quality Certification and that the purchaser understands and accepts the certification requirements and the obligation to implement them or be subject to liability for failure to do so; the seller and purchaser must sign and date the notification and provide such notification to the San Diego Water Board **within 10 days of the transfer of ownership.**
 2. **Transfer of Mitigation Responsibility:** Any notification of transfer of responsibilities to satisfy the mitigation requirements set forth in this Certification must include a signed statement from an authorized representative of the new party (transferee) demonstrating acceptance and understanding of the responsibility to comply with and fully satisfy the mitigation conditions and agreement that failure to comply with the mitigation conditions and associated requirements may subject the transferee to enforcement by the San Diego Water Board under Water Code section 13385, subdivision (a). Notification of transfer of responsibilities meeting the above conditions must be provided to the San Diego Water Board **within 10 days of the transfer date.**

Upon properly noticed transfers of responsibility, the transferee assumes responsibility for compliance with this Certification and references in this Certification to the Applicant will be interpreted to refer to the transferee as appropriate. Transfer of responsibility does not necessarily relieve the Applicant of this Certification in the event that a transferee fails to comply.

VI. CALIFORNIA ENVIRONMENTAL QUALITY ACT COMPLIANCE

- A. The City of San Clemente is the Lead Agency under the California Environmental Quality Act (CEQA) (Public Resources Code section 21000, et seq.) section 21067, and CEQA Guidelines (California Code of Regulations, title 14, section 15000 et seq.) section 15367, and has determined that the Project is categorically exempt.²
- B. The San Diego Water Board is a Responsible Agency under CEQA (Public Resources Code section 21069; CEQA Guidelines section 15381). The San Diego Water Board has independently determined that the project is categorically exempt as the Project consists of the repair, replacement and maintenance of structural components of the Marine Safety Building and Bulkhead. Lack of these necessary repairs work will cause detritions and failure of the Building.³
- C. As a Responsible Agency under CEQA, the San Diego Water Board will file a Notice of Exemption in accordance with CEQA Guidelines section 15062.

VII. SAN DIEGO WATER BOARD CONTACT PERSON

Darren Bradford, Environmental Scientist
California Regional Water Quality Control Board, San Diego Region
2375 Northside Drive, Suite 100
San Diego, California 92108
Telephone: 619-521-3356
Email: darren.bradford@waterboards.ca.gov


VIII. WATER QUALITY CERTIFICATION

I hereby certify that the proposed discharge from the **City of San Clemente Marine Safety Building Structural Repairs, Accessibility Improvements and Bulkhead Repairs Project** (Certification No. R9-2018-0078) will comply with the applicable provisions of sections 301 ("Effluent Limitations"), 302 ("Water Quality Related Effluent Limitations"), 303 ("Water Quality Standards and Implementation Plans"), 306 ("National Standards of Performance"), and 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "*Statewide General Waste Discharge Requirements for Dredged or Fill Discharges that have Received State Water Quality Certification (General WDRs)*," which requires compliance with all conditions of this Water Quality Certification. Please note that enrollment under Order No. 2003-017-DWQ is conditional and, should new information come to our attention that indicates a water quality problem, the San Diego Water Board may issue individual waste discharge requirements at that time.

² 14 CCR section 15302

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on (a) the discharge being limited to, and all proposed mitigation being completed in strict compliance with, the applicants' Project description and/or the description in this Certification, and (b) compliance with all applicable requirements of the Basin Plan.

I, David W. Gibson, Executive Officer, do hereby certify the forgoing is a full, true, and correct copy of Certification No. R9-2018-0078 issued on July 13, 2018.



DAVID W. GIBSON
Executive Officer
San Diego Water Board

13 July 2018

Date

ATTACHMENT 1

DEFINITIONS

Activity - when used in reference to a permit means any action, undertaking, or project including, but not limited to, construction, operation, maintenance, repair, modification, and restoration which may result in any discharge to waters of the state.

Buffer - means an upland, wetland, and/or riparian area that protects and/or enhances aquatic resource functions associated with wetlands, rivers, streams, lakes, marine, and estuarine systems from disturbances associated with adjacent land uses.

California Rapid Assessment Method (CRAM) - is a wetland assessment method intended to provide a rapid, scientifically-defensible and repeatable assessment methodology to monitor status and trends in the conditions of wetlands for applications throughout the state. It can also be used to assess the performance of compensatory mitigation projects and restoration projects. CRAM provides an assessment of overall ecological condition in terms of four attributes: landscape context and buffer, hydrology, physical structure and biotic structure. CRAM also includes an assessment of key stressors that may be affecting wetland condition and a "field to PC" data management tool (eCRAM) to ensure consistency and quality of data produced with the method.

Compensatory Mitigation Project - means compensatory mitigation implemented by the Applicant as a requirement of this Certification (i.e., applicant -responsible mitigation), or by a mitigation bank or an in-lieu fee program.

Discharge of dredged material – means any addition of dredged material into, including redeposit of dredged material other than incidental fallback within, the waters of the United States and/or State.

Discharge of fill material – means the addition of fill material into waters of the United States and/or State.

Dredged material – means material that is excavated or dredged from waters of the United States and/or State.

Ecological Success Performance Standards – means observable or measurable physical (including hydrological), chemical, and/or biological attributes that are used to determine if a compensatory mitigation project meets its objectives.

Enhancement – means the manipulation of the physical, chemical, or biological characteristics of an aquatic resource to improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

Establishment – means the manipulation of the physical, chemical, or biological characteristics present to develop an aquatic resource that did not previously exist. Creation results in a gain in aquatic resource area.

Fill material – means any material used for the primary purpose of replacing an aquatic area with dry land or of changing the bottom elevation of a water body.

Isolated wetland – means a wetland with no surface water connection to other aquatic resources.

Mitigation Bank – means a site, or suite of sites, where resources (e.g., wetlands, streams, riparian areas) are restored, established, enhanced, and/or preserved for the purpose of providing mitigation for impacts authorized by this Certification.

Preservation - means the removal of a threat to, or preventing the decline of, aquatic resources by an action in or near those aquatic resources. This term includes activities commonly associated with the protection and maintenance of aquatic resources through the implementation of appropriate legal and physical mechanisms. Preservation does not result in a gain of aquatic resource area or functions.

Re-establishment - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/ historic functions to a former aquatic resource. Re-establishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area and functions.

Rehabilitation - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/ historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

Restoration - means the manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: re-establishment and rehabilitation.

Start of Project Construction - For the purpose of this Certification, "start of Project construction" means to engage in a program of on-site construction, including site clearing, grading, dredging, landfilling, changing equipment, substituting equipment, or even moving the location of equipment specifically designed for a stationary source in preparation for the fabrication, erection or installation of the building components of the stationary source within waters of the United States and/or State.

Uplands - means non-wetland areas that lack any field-based indicators of wetlands or other aquatic conditions. Uplands are generally well-drained and occur above (i.e., up-slope) from nearby aquatic areas. Wetlands can, however, be entirely surrounded by uplands. For example, some natural seeps and constructed stock ponds lack aboveground hydrological connection to other aquatic areas. In the watershed context, uplands comprise the landscape matrix in which aquatic areas form. They are the primary sources of sediment, surface runoff, and associated chemicals that are deposited in aquatic areas or transported through them.

Water quality objectives and other appropriate requirements of state law – means the water quality objectives and beneficial uses as specified in the appropriate water quality control plan(s); the applicable provisions of sections 301, 302, 303, 306, and 307 of the Clean Water Act; and any other appropriate requirement of state law.

City of San Clemente
Marine Safety Building Structural Repairs
Certification No. R9-2018-0078

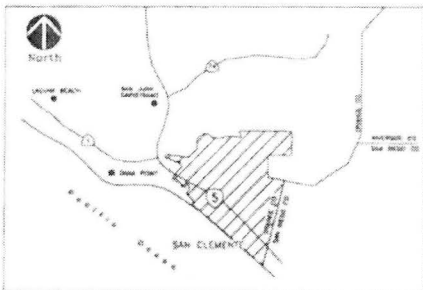
**ATTACHMENT 2
PROJECT FIGURES AND PLANS**

CITY OF SAN CLEMENTE

MARINE SAFETY BUILDING

STRUCTURAL REPAIRS & ACCESSIBILITY IMPROVEMENTS

PROJECT No. 16530



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

PROJECT ADDRESS:
620 AVENIDA DEL MAR
SAN CLEMENTE, CA 92672

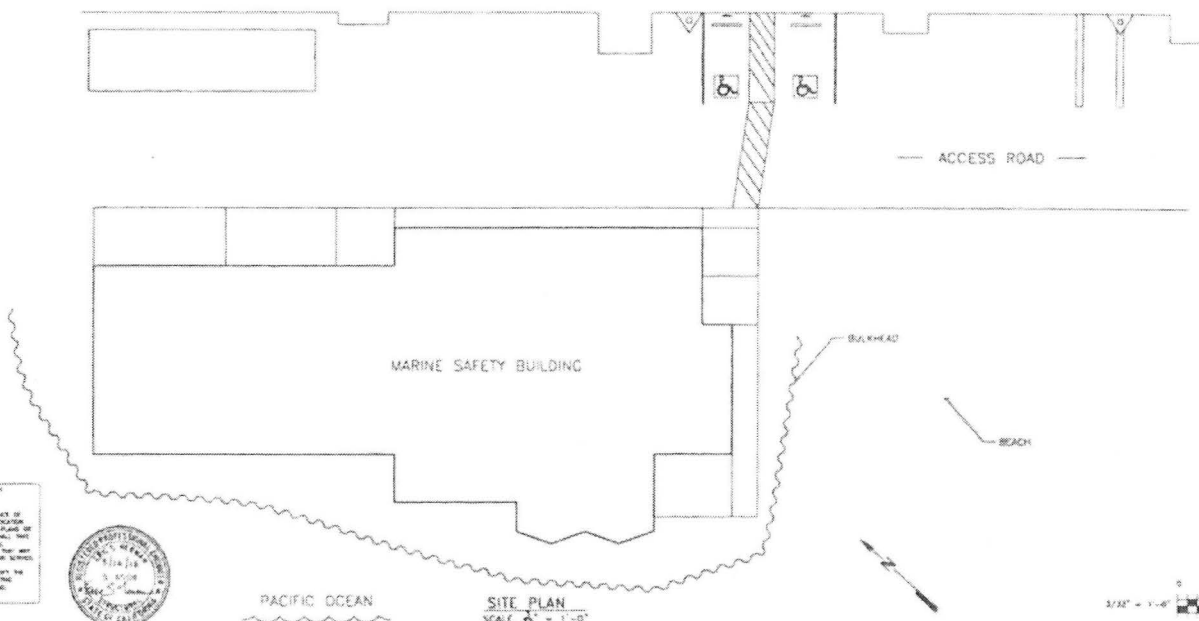
ARCHITECT & ENGINEER:
TRANSYSTEMS CORPORATION
CONTACT: ERIC S. NEWMAN, SE
6 HUTTON CENTRE DRIVE, SUITE 1250
SANTA ANA, CA 92707
(714) 708-6890



PROJECT OWNER:
CITY OF SAN CLEMENTE
CONTACT: AMIR ILKHAJIPOUR, PE
910 CALLE NEGOCIO, SUITE 100
SAN CLEMENTE, CA 92672
(949) 361-6140

March 2018

SHEET INDEX	
1	G-011 TITLE SHEET
2	G-012 EXISTING PHOTOS
3	A-011 ARCHITECTURAL NOTES
4	AD111 DEMOLITION SITE PLAN
5	AD112 DEMOLITION FLOOR PLAN
6	A-111 SITE PLAN
7	A-112 FLOOR PLAN
8	A-211 WALL ELEVATIONS
9	A-311 BUILDING ENVELOPE SECTIONS
10	A-511 ARCHITECTURAL DETAILS
11	A-611 DOOR & SIGNAGE SCHEDULE
12	S-011 STRUCTURAL NOTES
13	S-012 SPECIAL INSPECTION & BIMPA's
14	S-013 TYPICAL WOOD DETAILS
15	SD112 DEMOLITION FLOOR PLAN
16	S-111 FOUNDATION PLAN
17	S-112 FLOOR PLAN
18	S-113 ROOF FRAMING PLAN
19	S-411 CATWALK FRAMING PLAN
20	S-812 DECK FRAMING PLAN
21	S-511 PILE DETAILS
22	S-512 FOUNDATION DETAILS
23	S-513 FLOOR FRAMING DETAILS
24	S-514 ROOF FRAMING DETAILS



AGENCY INDEX		
AT&T		(714) 818-8141
CONTRACT	CARL JOHNSON	
SAN DIEGO GAS & ELECTRIC	(949) 361-8080	
CONTRACT	NIKE CAMPBELL	
SD CALIF GAS COMPANY	(714) 834-3061	
CONTRACT	DAVID WOODSON	
TELE COMMUNICATIONS	(949) 545-2616	
CONTRACT	LESLIE BRUESCH	
CITY OF SAN CLEMENTE	(949) 361-8293	
WATER & SEWER DEPTS		
CONTRACT	LARRY BROTHAN	

100% SUBMITTAL
3-12-2018

NOT FOR CONSTRUCTION



DIGALERT
Call Toll Free
1-800-227-2800
For More Details Visit Us On:
www.digalert.com

UNDERGROUND SERVICE ALERT
OF BURIED UTILITIES

ATTENTION: IS ADVISED TO THE POSSIBLE PRESENCE OF
UNDERGROUND UTILITIES AND PROHIBITS OF A LOCATION
OPERATING FROM THIS BEACH & SANDS ON THE PLANS AND
THE OFFICE PROHIBITS OF CONSTRUCTION SHALL NOT
BE TO EXCEED THE EXACT LOCATION OF ALL
UTILITIES LOCATED PRIOR TO COMMENCEMENT AND
SHALL BEAWARE OF INTERFERE WITH THEIR SERVICE

BEFORE STARTING THE CONSTRUCTION SHALL NOTIFY THE
AGENCY OF UNDERGROUND UTILITIES BY CONTACTING
UNDERGROUND SERVICE ALERT BY DIALING 1-800-227-2800



NO.	DATE	DESCRIPTION	BY	APP'D.
REVISIONS				



REFERENCES	

ENGINEERING SCALE: AS SHOWN	DATE: 3/12/18
DRAWN BY: MJD	DESIGNED BY: ENR
CHECKED BY: GSD	2/17/18
APPROVED:	

TITLE SHEET
MARINE SAFETY BUILDING REPAIRS
Project No. 16530
CITY OF SAN CLEMENTE

DRAWING NO.	G-011
SHEET	1
OF	24

MARINE SAFETY BUILDING REPAIRS, Project No. 16530

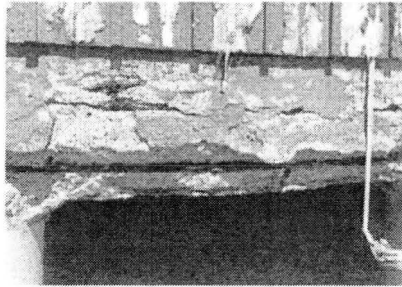


PHOTO 001 : CONG. BEAM - GRID G BETWEEN 1 & 2

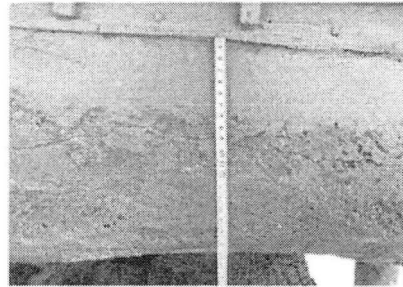


PHOTO 002 : CONG. BEAM - GRID 1 BETWEEN F & G

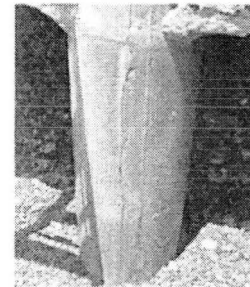


PHOTO 003 : CONG. PILE AT GRIDS G & 1.3



PHOTO 004 : STONE VENEER - GRID H BETWEEN 2 & 3

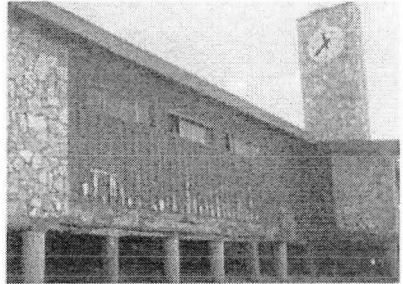


PHOTO 005 : WOOD SIDING - GRID G BETWEEN 1 & 2

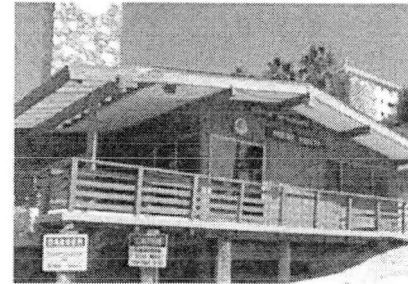


PHOTO 006 : WOOD DECK



PHOTO 007 : WOOD CATWALK

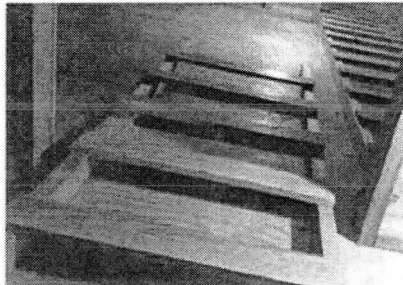


PHOTO 008 : WOOD TOWER LADDER



100% SUBMITTAL
3-12-2018
NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	BY	APP'D
REVISIONS				

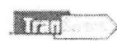


EXHIBIT CENTER DRIVE
DUBLIN, CA
94568-1434
TEL: 925-835-7000

NO.	REFERENCE

ENGINEERING SCALE AS SHOWN	DATE
DRAWN BY: MJJ	DESIGNED BY: CWN
CHECKED BY: SEB	3/12/18
(SEE SHEET 1 OF 29) APPROVAL:	



EXISTING PHOTOS
MARINE SAFETY BUILDING REPAIRS
Project No. 16530
CITY OF SAN CLEMENTE

DRAWING NO.	G-012
SHEET	2
OF	21

ARCHITECTURAL NOTES

ACCESSIBILITY CLEARANCES

- CODES & OCCUPANCY**
- APPLICABLE CODES
- CALIFORNIA BUILDING STANDARD CODES (CALIFORNIA CODE OF REGULATIONS)
 - FIRE CODE 2016 CALIFORNIA FIRE CODE
 - GREEN BUILDING CODE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE
 - ADA 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
 - REGIONAL OR NATIONAL CODE 2013 SAN CLEMENTE LOCAL FIRE AMENDMENTS
 - OCCUPANCY CLASSIFICATION GROUP B
 - CONSTRUCTION CLASSIFICATION TYPE V-B
 - EXISTING 50 FT. 2540 SQ. FT.
 - NOT SPRINKLERED

APPLICABLE CODES

- GENERAL**
- CONTRACTOR SHALL REMAIN IN FULL OPERATIONAL DURING ALL PHASES OF CONSTRUCTION AND ALL VEHICLES SHALL HAVE RIGHT OF WAY ON THIS SITE AT ALL TIMES.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE IMPROVEMENTS AND MAINTENANCE OF ALL PERSON CONTROL MEASURES THROUGHOUT THE PROJECT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVED TIES OR CHARGES RELATED TO CLEANUP WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING ALL ASPECTS OF THE WORK WITH THE CITY AND MARINE SAFETY CODE TO MINIMIZE INTERFERENCE WITH BUILDING OPERATIONS.
 - CONTRACTOR SHALL MAINTAIN THE LOCATION OF THE CONSTRUCTION TRAILER AND STAGING OF ALL MATERIALS WITH THE CITY OF SAN CLEMENTE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS OF MATERIALS DUE TO DEFICIENCIES FOR THE SECURITY OF ALL CONSTRUCTION RELATED TOOLS AND EQUIPMENT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF A FOREMAN SAFETY PLAN TO BE SUBMITTED TO THE CITY FOR ENDORSEMENT THAT ALL CONSTRUCTION WORKERS ARE EQUIPPED WITH THE PROPER SAFETY EQUIPMENT.
 - CONTRACTOR SHALL REPORT ALL INJURIES TO THE CITY IMMEDIATELY AFTER OCCURRENCE.
 - CONTRACTOR SHALL MAINTAIN ALL ARCHITECTURAL BRANDS AND CONTACTS ADDRESS CHANGES AND BRANDS SHALL COMPLY WITH THE VOLATILE ORGANIC COMPOUND (VOC) LIMITS PER THE 2016 CALIFORNIA CODE OF REGULATIONS 5-1-24 PART 1 - CALIFORNIA GREEN BUILDING CODE CHAPTER 9 SECTIONS 3.504-3.504.4.1.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.

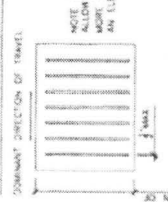
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.

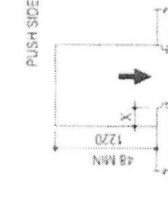
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES TO REMAIN.

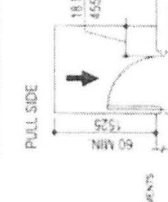
OPENINGS IN THE FLOOR



PULL SIDE



PUSH SIDE



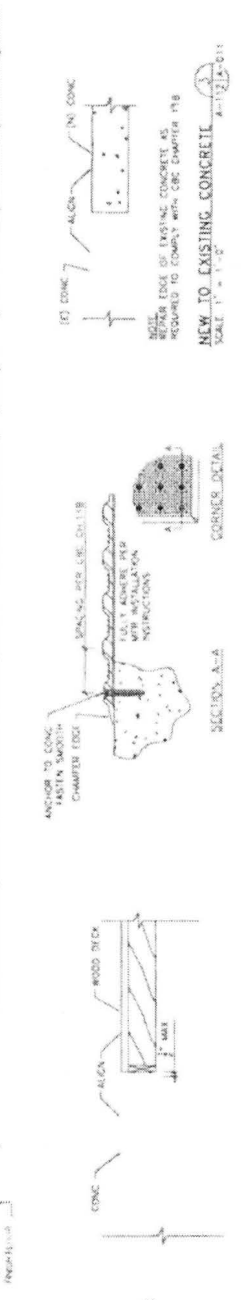
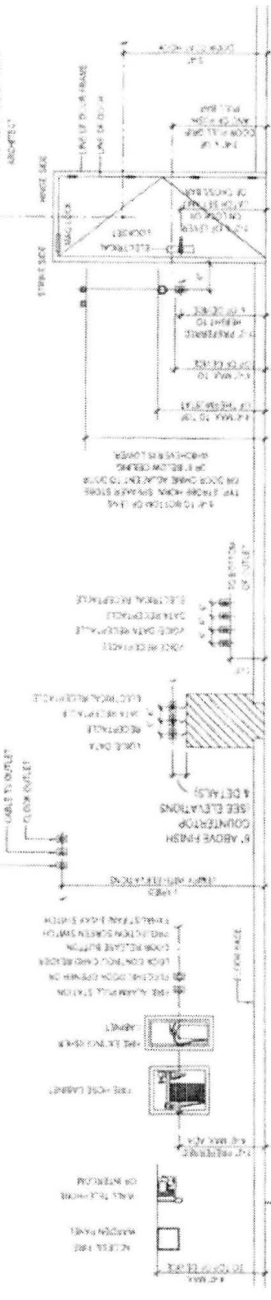
NOTE: X=1/2 IN. (395 MM) IF THE DOOR HAS BOTH A CLOSER AND A LATCH

FRONT APPROACHES - SWINGING DOORS



TYPICAL MOUNTING HEIGHTS

- ALL MOUNTING HEIGHTS FOR ELECTRICAL AND TELEPHONE
- ELECTRICAL TO VERIFY AND OBTAIN ANY APPLICABLE REGULATIONS



100% SUBMITTAL
03-12-2018
NOT FOR CONSTRUCTION

TRUNCATED DOMES
SCALE: 3/4" = 1'-0"
4-12(A)-011

FLOOR TRANSITION - WOOD DECK TO CONC.
SCALE: 1" = 1'-0"
4-12(B)-011

NEW TO EXISTING CONCRETE
SCALE: 1" = 1'-0"
4-12(C)-011

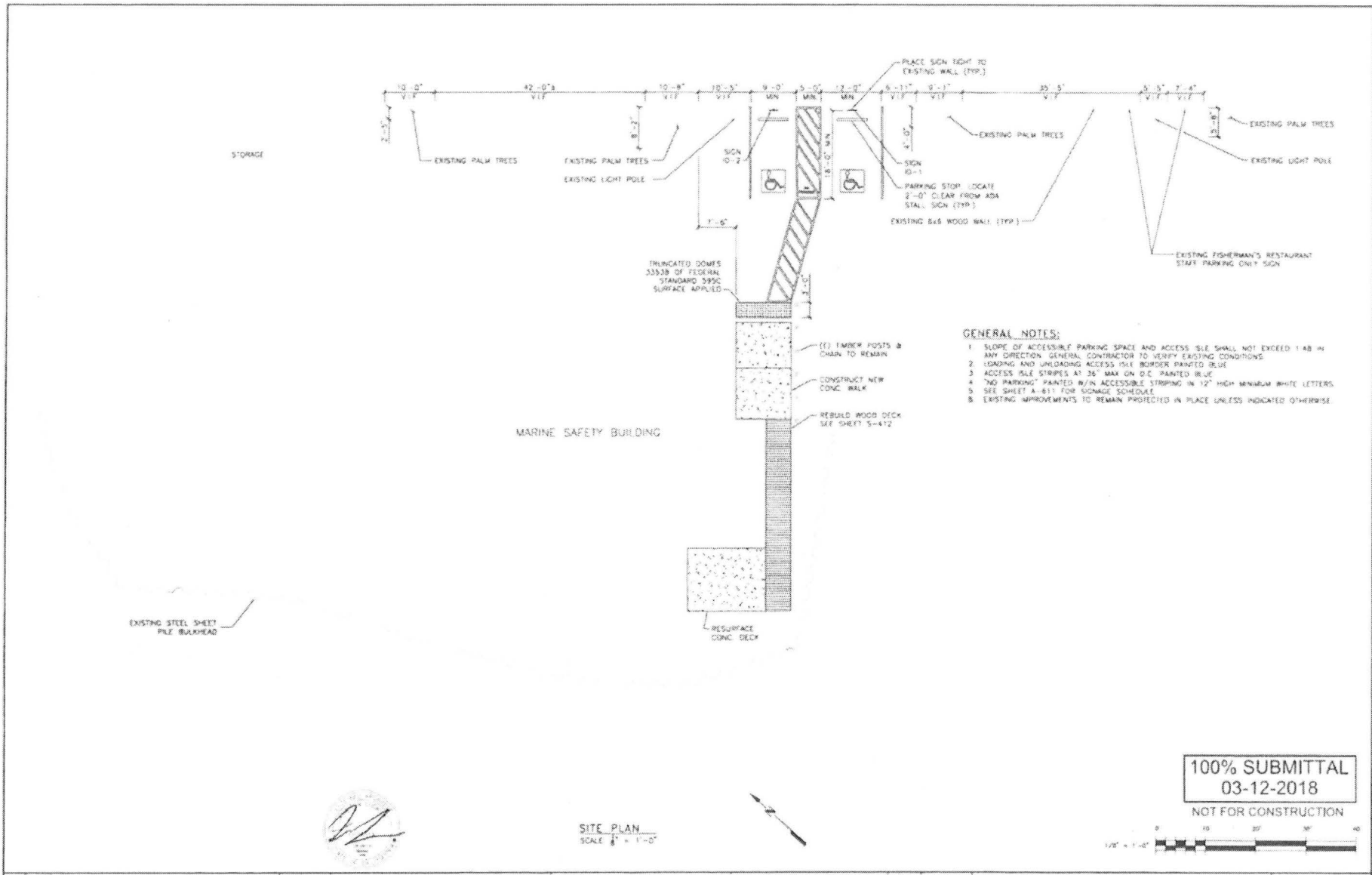
NO.	DATE	DESCRIPTION	REVISIONS
1	03/12/2018	100% SUBMITTAL	
2			
3			
4			

PROJECT NO.	16530
CITY OF SAN CLEMENTE	
ARCHITECTURAL NOTES	
MARINE SAFETY BUILDING REPAIRS	
DRAWN BY	WJL/STP
CHECKED BY	JMK
DATE	3/12/2018
SCALE	AS SHOWN
PROJECT NO.	16530
SHEET	3
TOTAL SHEETS	24
DATE	03-12-2018

PROJECT NO.	16530
CITY OF SAN CLEMENTE	
ARCHITECTURAL NOTES	
MARINE SAFETY BUILDING REPAIRS	
DRAWN BY	WJL/STP
CHECKED BY	JMK
DATE	3/12/2018
SCALE	AS SHOWN
PROJECT NO.	16530
SHEET	3
TOTAL SHEETS	24
DATE	03-12-2018

PROJECT NO.	16530
CITY OF SAN CLEMENTE	
ARCHITECTURAL NOTES	
MARINE SAFETY BUILDING REPAIRS	
DRAWN BY	WJL/STP
CHECKED BY	JMK
DATE	3/12/2018
SCALE	AS SHOWN
PROJECT NO.	16530
SHEET	3
TOTAL SHEETS	24
DATE	03-12-2018

100% SUBMITTAL
03-12-2018
NOT FOR CONSTRUCTION



- GENERAL NOTES:**
1. SLOPE OF ACCESSIBLE PARKING SPACE AND ACCESS ISLE SHALL NOT EXCEED 1:48 IN ANY DIRECTION. GENERAL CONTRACTOR TO VERIFY EXISTING CONDITIONS.
 2. LOADING AND UNLOADING ACCESS ISLE BORDER PAINTED BLUE.
 3. ACCESS ISLE STRIPES AT 36" MAX ON O.C. PAINTED BLUE.
 4. "NO PARKING" PAINTED W/IN ACCESSIBLE STRIPING IN 12" HIGH MINIMUM WHITE LETTERS.
 5. SEE SHEET A-811 FOR SIGNAGE SCHEDULE.
 6. EXISTING IMPROVEMENTS TO REMAIN PROTECTED IN PLACE UNLESS INDICATED OTHERWISE.

100% SUBMITTAL
03-12-2018
 NOT FOR CONSTRUCTION



SITE PLAN
 SCALE 1/8" = 1'-0"



REV	DATE	DESCRIPTION	BY	APPROV
REVISIONS				



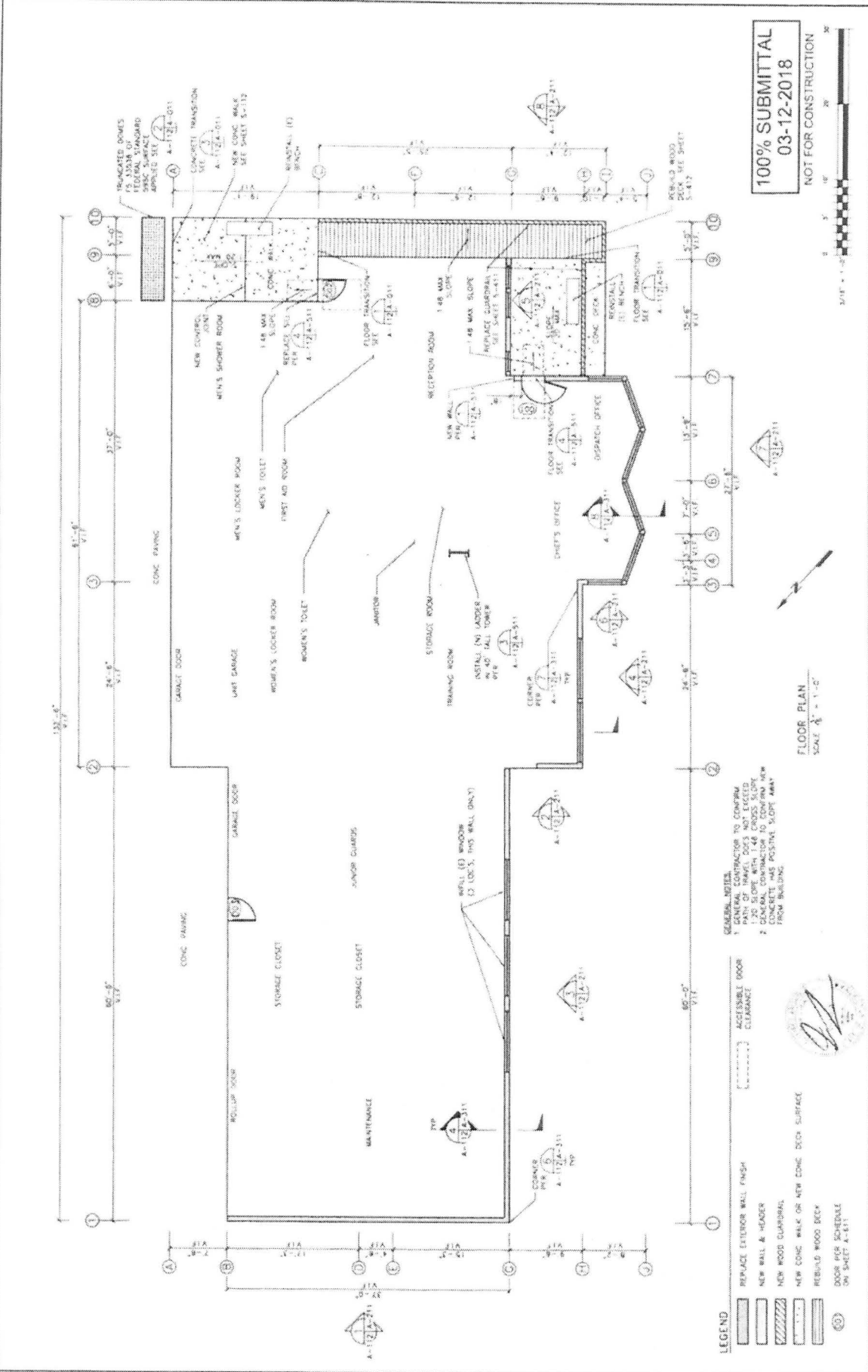
REFERENCES

ARCHITECTURAL SCALE AS SHOWN	DATE
DRAWN BY: M.J.	DESIGNED BY: A.L.
CHECKED BY: E.S.A.	3/12/18



SITE PLAN
MARINE SAFETY BUILDING REPAIRS
 Project No. 16530
CITY OF SAN CLEMENTE

DRAWING NO. A-111	SHEET 8
OF 24	



100% SUBMITTAL
 03-12-2018
 NOT FOR CONSTRUCTION

GENERAL NOTES
 1. GENERAL CONTRACTOR TO CONFIRM PATH OF TRAVEL DOES NOT EXCEED 200 FEET TO ANY ROOM OR STAIRWAY. 2. CONCRETE AND POSITIVE SLOPE AWAY FROM BUILDING.

LEGEND
 [Symbol] REPLACE EXTERIOR WALL FINISH
 [Symbol] NEW WALL & HEADER
 [Symbol] NEW WOOD CLAMPING
 [Symbol] NEW CONG. WALK OR NEW CONG. DECK SURFACE
 [Symbol] REBUILD WOOD DECK
 [Symbol] DECK W/FR SCHEDULE ON SHEET A-111

REVISIONS

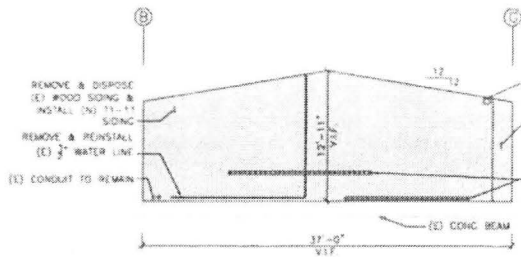
NO.	DATE	DESCRIPTION

REFERENCES

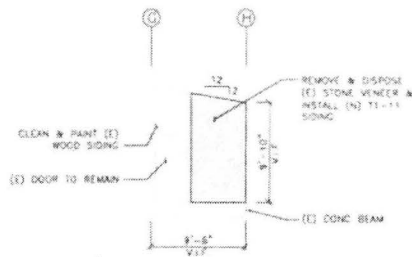
ADDITIONAL SCALE AS SHOWN
 DRAWN BY: JJA
 CHECKED BY: ESW
 DATE: 02/20/18
 DESIGNED BY: AM
 (SEE SHEET 1 OF 2)
 APPROVALS:

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

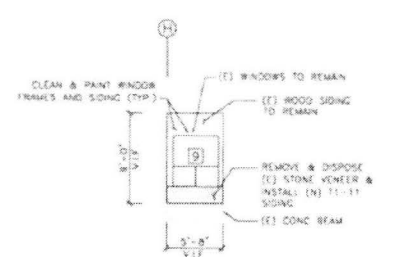
		DRAWING NO. A-112
PROJECT NO. 16530 MARINE SAFETY BUILDING REPAIRS		SHEET 7 OF 26
CITY OF SAN CLEMENTE		DATE 02/20/18
PROJECT LOCATION 1000 MARINE AVENUE, SAN CLEMENTE, CA 92673		DESIGNED BY AM
ARCHITECT JJA		CHECKED BY ESW
DATE 02/20/18		APPROVALS (SEE SHEET 1 OF 2)
PROJECT NO. 16530		DRAWING NO. A-112
CITY OF SAN CLEMENTE		SHEET 7 OF 26



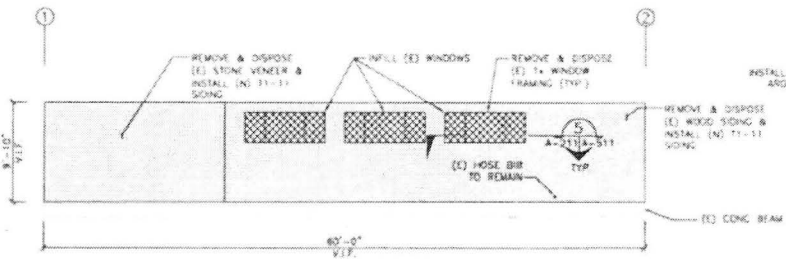
EXTERIOR WALL ELEV - LINE 1
SCALE 1/8" = 1'-0"
40112A-112(A)-211



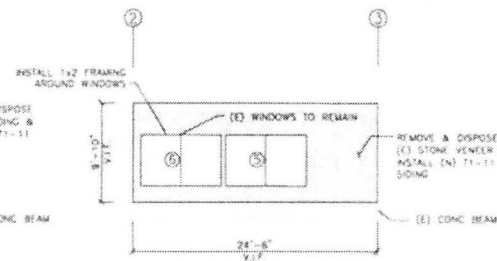
EXTERIOR WALL ELEV - LINE 2
SCALE 1/8" = 1'-0"
40112A-112(A)-211



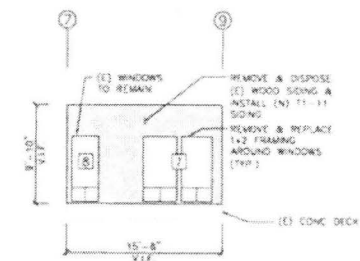
EXTERIOR WALL ELEV - LINE 3
SCALE 1/8" = 1'-0"
40112A-112(A)-211



EXTERIOR WALL ELEV - LINE G (1 TO 2)
SCALE 1/8" = 1'-0"
40112A-112(A)-211



EXTERIOR WALL ELEV - LINE H
SCALE 1/8" = 1'-0"
40112A-112(A)-211

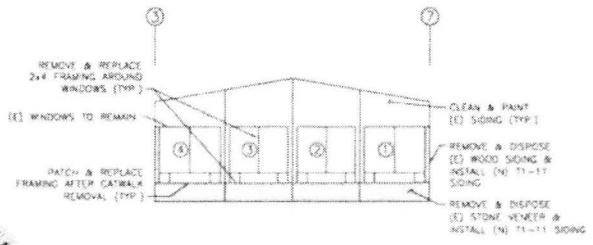


EXTERIOR WALL ELEV - LINE C
SCALE 1/8" = 1'-0"
40112A-112(A)-211

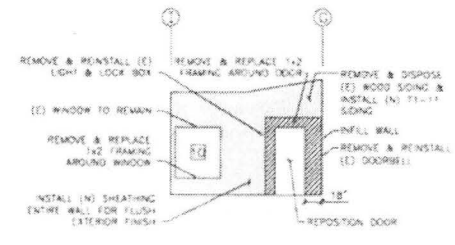
LEGEND

- ① REMOVE & REINSTALL WINDOW SHUTTERS
- ② INSTALL NEW WINDOW SHUTTER (CITY PROVIDED) REMOVE & REPLACE 1x OR 2x FRAMING AROUND WINDOW SEE A-211(A)-311 TYP.

GENERAL NOTE:
APPLY SEALANT CONTINUOUSLY TO SIDING AROUND ALL DOORS AND WINDOWS. PROVIDE NEW MOLDING PANELS AROUND DOORS AND WINDOWS.



EXTERIOR WALL ELEV - LINE J
SCALE 1/8" = 1'-0"
40112A-112(A)-211



EXTERIOR WALL ELEV - LINE 7
SCALE 1/8" = 1'-0"
40112A-112(A)-211

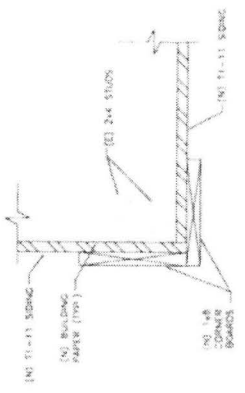
100% SUBMITTAL
03-12-2018
NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	BY	APP'D

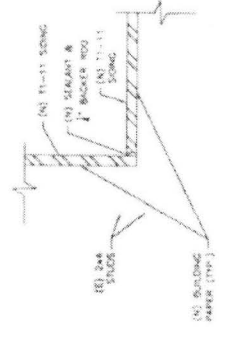
REFERENCES	APPROVALS

ARCHITECTURAL SCALE AS SHOWN	DATE
DRAWN BY: MJ	DESIGNED BY: JA
CHECKED BY: ESN	5/12/18
	5/12/18

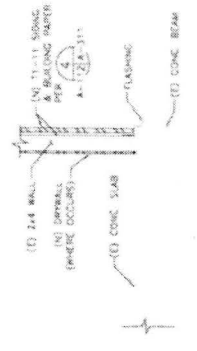
	WALL ELEVATIONS MARINE SAFETY BUILDING REPAIRS Project No. 16530	DRAWING NO. A-211
CITY OF SAN CLEMENTE		SHEET 8 OF 28



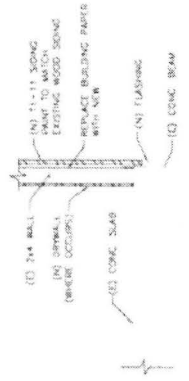
EXTERIOR OUTSIDE CORNER DETAIL
SCALE 3" = 1'-0"



EXTERIOR INSIDE CORNER DETAIL
SCALE 3" = 1'-0"



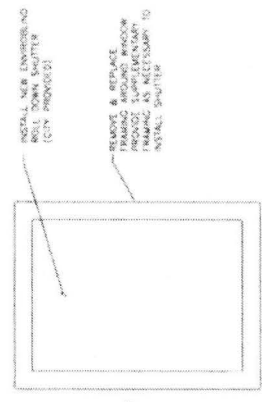
EXTERIOR WALL REPAIR SECTION
SCALE 1" = 1'-0"



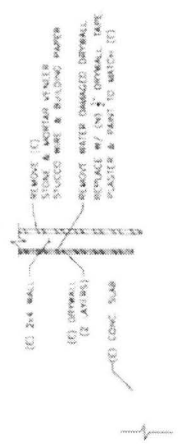
EXTERIOR WALL REPAIR SECTION
SCALE 1" = 1'-0"

- NOTES:
- 1 1/2" SONG SHALL BE 1/2" O.C. EXTERIOR GRADE PLYWOOD
 - APPLY EXTERIOR PRIMER TO ALL (4) EDGES OF 1 1/2" SHEETS
 - PROF TO INSTALLATION
 - REMOVE EXISTING EXTERIOR PRIMER TO EXTERIOR SURFACE OF 1 1/2" SONG
 - AFTER PRIMING, APPLY EXTERIOR WOOD PAINT TO EXTERIOR SURFACE. COLOR TO MATCH EXISTING.

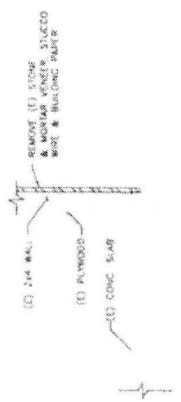
EXTERIOR WALL REPAIR SECTION
SCALE 1" = 1'-0"



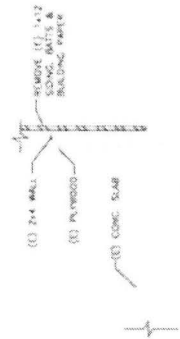
NEW WINDOW SHUTTERS
SCALE 1" = 1'-0"



DEMO EXTERIOR WALL SECTION
SCALE 1" = 1'-0"



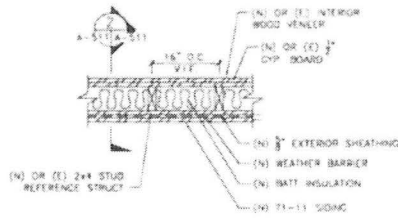
DEMO EXTERIOR WALL SECTION
SCALE 1" = 1'-0"



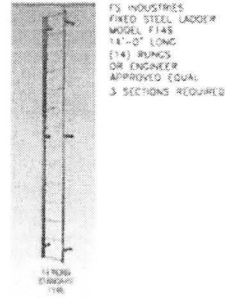
DEMO EXTERIOR WALL SECTION
SCALE 1" = 1'-0"

100% SUBMITTAL
03-12-2018
NOT FOR CONSTRUCTION

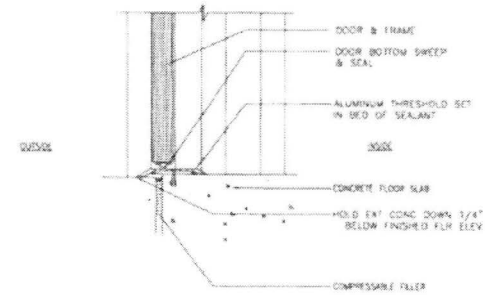
BUILDING ENVELOPE SECTIONS MARINE SAFETY BUILDING REPAIRS Project No. 16530 CITY OF SAN CLEMENTE		DRAWING NO. A-311		
SHEET NO. 9 OF 28				
SHEET TITLE EXTERIOR WALL REPAIRS	DATE 1/17/14			
DRAWN BY DEAN B. EN	CHECKED BY AM			
APPROVALS (SEE SHEET 1 OF 28)				
REFERENCES				
REVISIONS				
NO.	DATE	DESCRIPTION	BY	APP'D



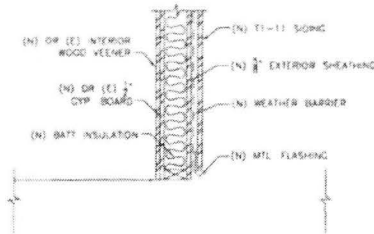
TYPICAL WALL PLAN
SCALE 1/2" = 1'-0"
A-511(A)-511



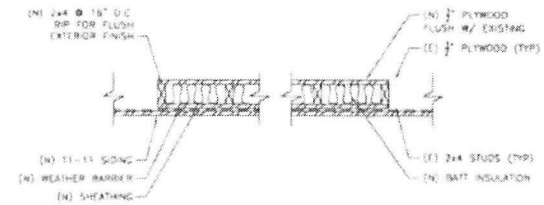
NEW TOWER LADDER
NOT TO SCALE
A-511(A)-511



DOOR SILL DETAIL
SCALE 1" = 1'-0"
A-511(A)-511



TYPICAL WALL SECTION
SCALE 1/2" = 1'-0"
A-511(A)-511



WINDOW INFILL SECTION
SCALE 1/2" = 1'-0"
A-511(A)-511

100% SUBMITTAL
03-12-2018
NOT FOR CONSTRUCTION



REVISIONS REV. NO. DESCRIPTION BY APP. DATE		TRIP 24 LITTLE CENTRE DRIVE SUITE 200 WESTLAKE, CA 91361 (714) 708-8888	ARCHITECTURAL SCALE AS SHOWN DRAWN BY: MLI DESIGNED BY: MLI CHECKED BY: ESN DATE: 3/12/18 DATE: 3/12/18	CITY OF SAN CLEMENTE Project No. 16530	DRAWING NO. A-511 SHEET 10 OF 24
--	--	---	---	---	---

STRUCTURAL NOTES

A. GENERAL

1. ALL DETAILS ON THE STRUCTURAL DRAWINGS AND SPECIFICATIONS SHALL BE USED UNLESS OTHERWISE NOTED. DIMENSIONS, DIMENSIONS, AND SPACING SHALL BE AS SHOWN UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DIMENSIONS, AND SPACING BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DIMENSIONS, AND SPACING BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DIMENSIONS, AND SPACING BEFORE BEGINNING CONSTRUCTION.
3. WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
4. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
5. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
6. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
7. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
8. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
9. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
10. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
11. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
12. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
13. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
14. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.
15. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED.

C. STRUCTURAL STEEL

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE 2016 EDITION OF THE AISC STEEL CONSTRUCTION MANUAL.
2. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
3. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
4. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
5. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
6. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
7. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
8. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
9. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
10. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
11. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
12. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
13. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
14. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.
15. ALL WELDING SHALL BE DONE BY THE SHEETED ARC PROCESS USING E70XX ELECTRODES.

D. TIMBER

1. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
2. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
3. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
4. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
5. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
6. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
7. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
8. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
9. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
10. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
11. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
12. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
13. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
14. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).
15. ALL WOOD MEMBERS SHALL BE DOUGLASS FIR (DF) GRADE MARKED BY A REGISTERED GRADING AGENCY (TWO (2) OR THREE (3)).

E. DESIGN CRITERIA

1. DESIGN CODES:
 - a. AISC 360-16
 - b. AISC 310-16
 - c. AISC 308-16
 - d. AISC 301-16
 - e. AISC 308-16
 - f. AISC 301-16
 - g. AISC 308-16
 - h. AISC 301-16
 - i. AISC 308-16
 - j. AISC 301-16
 - k. AISC 308-16
 - l. AISC 301-16
 - m. AISC 308-16
 - n. AISC 301-16
 - o. AISC 308-16
 - p. AISC 301-16
 - q. AISC 308-16
 - r. AISC 301-16
 - s. AISC 308-16
 - t. AISC 301-16
 - u. AISC 308-16
 - v. AISC 301-16
 - w. AISC 308-16
 - x. AISC 301-16
 - y. AISC 308-16
 - z. AISC 301-16
2. LIVE LOADS:
 - a. 100 PSF
 - b. 100 PSF
 - c. 100 PSF
 - d. 100 PSF
 - e. 100 PSF
 - f. 100 PSF
 - g. 100 PSF
 - h. 100 PSF
 - i. 100 PSF
 - j. 100 PSF
 - k. 100 PSF
 - l. 100 PSF
 - m. 100 PSF
 - n. 100 PSF
 - o. 100 PSF
 - p. 100 PSF
 - q. 100 PSF
 - r. 100 PSF
 - s. 100 PSF
 - t. 100 PSF
 - u. 100 PSF
 - v. 100 PSF
 - w. 100 PSF
 - x. 100 PSF
 - y. 100 PSF
 - z. 100 PSF
3. WIND LOADS:
 - a. 15 PSF
 - b. 15 PSF
 - c. 15 PSF
 - d. 15 PSF
 - e. 15 PSF
 - f. 15 PSF
 - g. 15 PSF
 - h. 15 PSF
 - i. 15 PSF
 - j. 15 PSF
 - k. 15 PSF
 - l. 15 PSF
 - m. 15 PSF
 - n. 15 PSF
 - o. 15 PSF
 - p. 15 PSF
 - q. 15 PSF
 - r. 15 PSF
 - s. 15 PSF
 - t. 15 PSF
 - u. 15 PSF
 - v. 15 PSF
 - w. 15 PSF
 - x. 15 PSF
 - y. 15 PSF
 - z. 15 PSF
4. LADDER = 200 POINT LOAD ON ANY RUNG.

B. REINFORCED CONCRETE

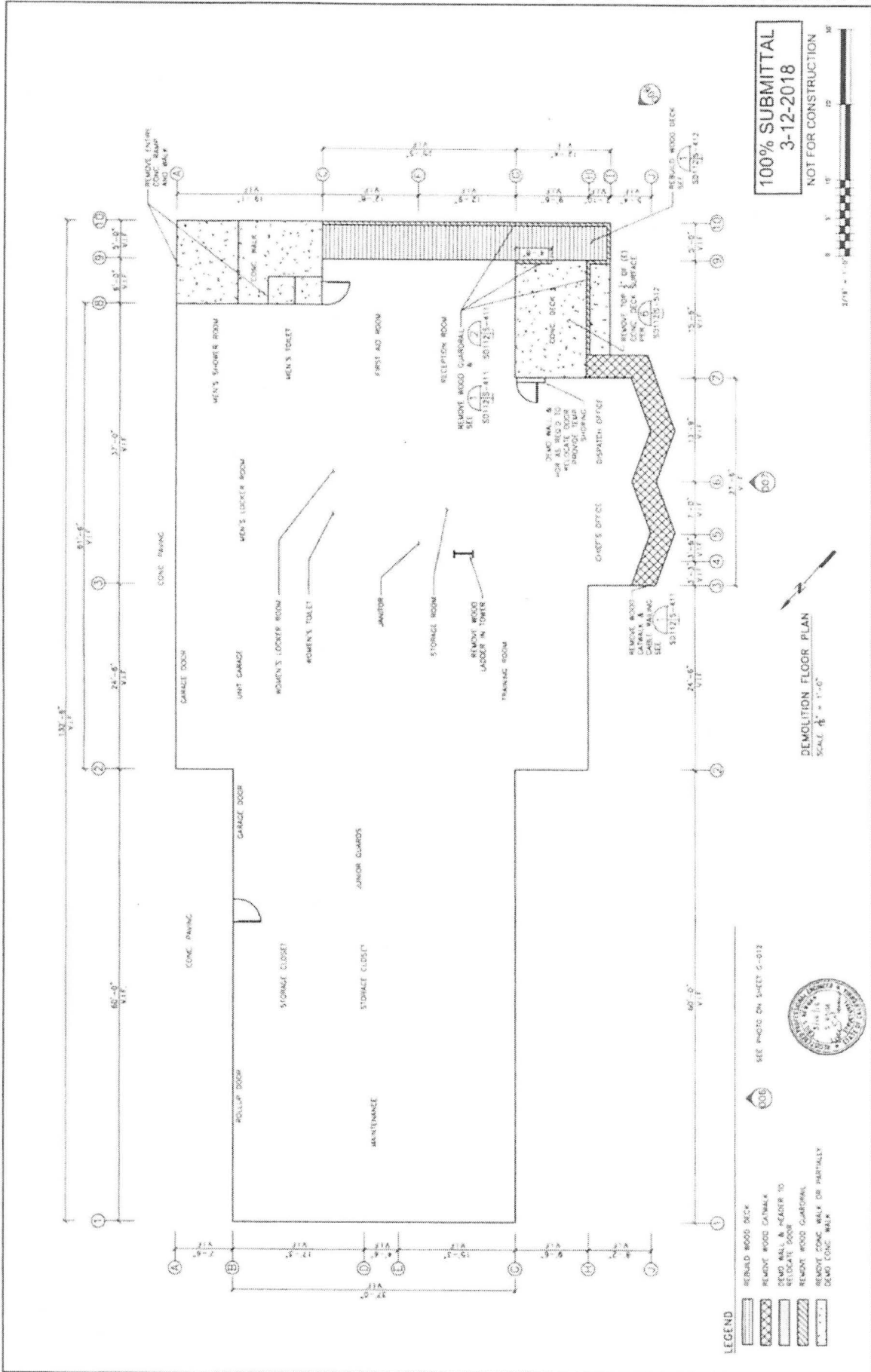
1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301.
2. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
3. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
4. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
5. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
6. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
7. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
8. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
9. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
10. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
11. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
12. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
13. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
14. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.
15. ALL CONCRETE SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, EXCEPT AS NOTED.

F. REVISIONS

NO.	DATE	DESCRIPTION
1	03/12/2018	ISSUED FOR CONSTRUCTION

G. ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	ASBESTOS CEMENT
AD	ALUMINUM DIELDRUM
AG	ALUMINUM GASKET
AL	ALUMINUM
AM	ALUMINUM MESH
AN	ALUMINUM NAIL
AO	ALUMINUM OILING
AP	ALUMINUM PAPER
AR	ALUMINUM ROD
AS	ALUMINUM STRIP
AT	ALUMINUM TIE
AV	ALUMINUM VANE
AW	ALUMINUM WIRE
AX	ALUMINUM X
AY	ALUMINUM Y
AZ	ALUMINUM Z
BA	BALANCE
BB	BALANCE BEAM
BC	BALANCE C
BD	BALANCE D
BE	BALANCE E
BF	BALANCE F
BG	BALANCE G
BH	BALANCE H
BI	BALANCE I
BJ	BALANCE J
BK	BALANCE K
BL	BALANCE L
BM	BALANCE M
BN	BALANCE N
BO	BALANCE O
BP	BALANCE P
BQ	BALANCE Q
BR	BALANCE R
BS	BALANCE S
BT	BALANCE T
BU	BALANCE U
BV	BALANCE V
BW	BALANCE W
BX	BALANCE X
BY	BALANCE Y
BZ	BALANCE Z
CA	CALIBRATION
CB	CALIBRATION BEAM
CC	CALIBRATION C
CD	CALIBRATION D
CE	CALIBRATION E
CF	CALIBRATION F
CG	CALIBRATION G
CH	CALIBRATION H
CI	CALIBRATION I
CJ	CALIBRATION J
CK	CALIBRATION K
CL	CALIBRATION L
CM	CALIBRATION M
CN	CALIBRATION N
CO	CALIBRATION O
CP	CALIBRATION P
CQ	CALIBRATION Q
CR	CALIBRATION R
CS	CALIBRATION S
CT	CALIBRATION T
CU	CALIBRATION U
CV	CALIBRATION V
CW	CALIBRATION W
CX	CALIBRATION X
CY	CALIBRATION Y
CZ	CALIBRATION Z
DA	DRAWING
DB	DRAWING BOARD
DC	DRAWING C
DD	DRAWING D
DE	DRAWING E
DF	DRAWING F
DG	DRAWING G
DH	DRAWING H
DI	DRAWING I
DJ	DRAWING J
DK	DRAWING K
DL	DRAWING L
DM	DRAWING M
DN	DRAWING N
DO	DRAWING O
DP	DRAWING P
DQ	DRAWING Q
DR	DRAWING R
DS	DRAWING S
DT	DRAWING T
DU	DRAWING U
DV	DRAWING V
DW	DRAWING W
DX	DRAWING X
DY	DRAWING Y
DZ	DRAWING Z
EA	ELECTRIC
EB	ELECTRIC BOARD
EC	ELECTRIC C
ED	ELECTRIC D
EE	ELECTRIC E
EF	ELECTRIC F
EG	ELECTRIC G
EH	ELECTRIC H
EI	ELECTRIC I
EJ	ELECTRIC J
EK	ELECTRIC K
EL	ELECTRIC L
EM	ELECTRIC M
EN	ELECTRIC N
EO	ELECTRIC O
EP	ELECTRIC P
EQ	ELECTRIC Q
ER	ELECTRIC R
ES	ELECTRIC S
ET	ELECTRIC T
EU	ELECTRIC U
EV	ELECTRIC V
EW	ELECTRIC W
EX	ELECTRIC X
EY	ELECTRIC Y
EZ	ELECTRIC Z
FA	FABRIC
FB	FABRIC BOARD
FC	FABRIC C
FD	FABRIC D
FE	FABRIC E
FF	FABRIC F
FG	FABRIC G
FH	FABRIC H
FI	FABRIC I
FJ	FABRIC J
FK	FABRIC K
FL	FABRIC L
FM	FABRIC M
FN	FABRIC N
FO	FABRIC O
FP	FABRIC P
FQ	FABRIC Q
FR	FABRIC R
FS	FABRIC S
FT	FABRIC T
FU	FABRIC U
FV	FABRIC V
FW	FABRIC W
FX	FABRIC X
FY	FABRIC Y
FZ	FABRIC Z
GA	GALVANIZED
GB	GALVANIZED BOARD
GC	GALVANIZED C
GD	GALVANIZED D
GE	GALVANIZED E
GF	GALVANIZED F
GG	GALVANIZED G
GH	GALVANIZED H
GI	GALVANIZED I
GJ	GALVANIZED J
GK	GALVANIZED K
GL	GALVANIZED L
GM	GALVANIZED M
GN	GALVANIZED N
GO	GALVANIZED O
GP	GALVANIZED P
GQ	GALVANIZED Q
GR	GALVANIZED R
GS	GALVANIZED S
GT	GALVANIZED T
GU	GALVANIZED U
GV	GALVANIZED V
GW	GALVANIZED W
GX	GALVANIZED X
GY	GALVANIZED Y
GZ	GALVANIZED Z
HA	HARDWARE
HB	HARDWARE BOARD
HC	HARDWARE C
HD	HARDWARE D
HE	HARDWARE E
HF	HARDWARE F
HG	HARDWARE G
HH	HARDWARE H
HI	HARDWARE I
HJ	HARDWARE J
HK	HARDWARE K
HL	HARDWARE L
HM	HARDWARE M
HN	HARDWARE N
HO	HARDWARE O
HP	HARDWARE P
HQ	HARDWARE Q
HR	HARDWARE R
HS	HARDWARE S
HT	HARDWARE T
HU	HARDWARE U
HV	HARDWARE V
HW	HARDWARE W
HX	HARDWARE X
HY	HARDWARE Y
HZ	HARDWARE Z
IA	INSULATION
IB	INSULATION BOARD
IC	INSULATION C
ID	INSULATION D
IE	INSULATION E
IF	INSULATION F
IG	INSULATION G
IH	INSULATION H
II	INSULATION I
IJ	INSULATION J
IK	INSULATION K
IL	INSULATION L
IM	INSULATION M
IN	INSULATION N
IO	INSULATION O
IP	INSULATION P
IQ	INSULATION Q
IR	INSULATION R
IS	INSULATION S
IT	INSULATION T
IU	INSULATION U
IV	INSULATION V
IW	INSULATION W
IX	INSULATION X
IY	INSULATION Y
IZ	INSULATION Z
JA	JACKET
JB	JACKET BOARD
JC	JACKET C
JD	JACKET D
JE	JACKET E
JF	JACKET F
JG	JACKET G
JH	JACKET H
JI	JACKET I
JJ	JACKET J
JK	JACKET K
JL	JACKET L
JM	JACKET M
JN	JACKET N
JO	JACKET O
JP	JACKET P
JQ	JACKET Q
JR	JACKET R
JS	JACKET S
JT	JACKET T
JU	JACKET U
JV	JACKET V
JW	JACKET W
JX	JACKET X
JY	JACKET Y
JZ	JACKET Z
KA	KIT
KB	KIT BOARD
KC	KIT C
KD	KIT D
KE	KIT E
KF	KIT F
KG	KIT G
KH	KIT H
KI	KIT I
KJ	KIT J
KK	KIT K
KL	KIT L
KM	KIT M
KN	KIT N
KO	KIT O
KP	KIT P
KQ	KIT Q
KR	KIT R
KS	KIT S
KT	KIT T
KU	KIT U
KV	KIT V
KW	KIT W
KX	KIT X
KY	KIT Y
KZ	KIT Z
LA	LAMINATE
LB	LAMINATE BOARD
LC	LAMINATE C
LD	LAMINATE D
LE	LAMINATE E
LF	LAMINATE F
LG	LAMINATE G
LH	LAMINATE H
LI	LAMINATE I
LJ	LAMINATE J
LK	LAMINATE K
LL	LAMINATE L
LM	LAMINATE M
LN	LAMINATE N
LO	LAMINATE O
LP	LAMINATE P
LQ	LAMINATE Q
LR	LAMINATE R
LS	LAMINATE S
LT	LAMINATE T
LU	LAMINATE U
LV	LAMINATE V
LW	LAMINATE W
LX	LAMINATE X
LY	LAMINATE Y
LZ	LAMINATE Z
MA	MATERIAL
MB	MATERIAL BOARD
MC	MATERIAL C
MD	MATERIAL D
ME	MATERIAL E
MF	MATERIAL F
MG	MATERIAL G
MH	MATERIAL H
MI	MATERIAL I
MJ	MATERIAL J
MK	MATERIAL K
ML	MATERIAL L
MM	MATERIAL M
MN	MATERIAL N
MO	MATERIAL O
MP	MATERIAL P
MQ	MATERIAL Q
MR	MATERIAL R
MS	MATERIAL S
MT	MATERIAL T
MU	MATERIAL U
MV	MATERIAL V
MW	MATERIAL W
MX	MATERIAL X
MY	MATERIAL Y
MZ	MATERIAL Z
NA	NAIL
NB	NAIL BOARD
NC	NAIL C
ND	NAIL D
NE	NAIL E
NF	NAIL F
NG	NAIL G
NH	NAIL H
NI	NAIL I
NJ	NAIL J
NK	NAIL K
NL	NAIL L
NM	NAIL M
NN	NAIL N
NO	NAIL O
NP	NAIL P
NQ	NAIL Q
NR	NAIL R
NS	NAIL S
NT	NAIL T
NU	NAIL U
NV	NAIL V
NW	NAIL W
NX	NAIL X
NY	NAIL Y
NZ	NAIL Z
OA	OVERLAY
OB	OVERLAY BOARD
OC	OVERLAY C
OD	OVERLAY D
OE	OVERLAY E
OF	OVERLAY F
OG	OVERLAY G
OH	OVERLAY H
OI	OVERLAY I
OJ	OVERLAY J
OK	OVERLAY K
OL	OVERLAY L
OM	OVERLAY M
ON	OVERLAY N
OO	OVERLAY O
OP	OVERLAY P
OQ	OVERLAY Q
OR	OVERLAY R
OS	OVERLAY S
OT	OVERLAY T
OU	OVERLAY U
OV	OVERLAY V
OW	OVERLAY W
OX	OVERLAY X
OY	OVERLAY Y
OZ	OVERLAY Z
PA	PAPER
PB	PAPER BOARD
PC	PAPER C
PD	PAPER D
PE	PAPER E
PF	PAPER F
PG	PAPER G
PH	PAPER H
PI	PAPER I
PJ	PAPER J
PK	PAPER K
PL	PAPER L
PM	PAPER M
PN	PAPER N
PO	PAPER O
PP	PAPER P
PQ	PAPER Q
PR	PAPER R
PS	PAPER S
PT	PAPER T
PU	PAPER U
PV	PAPER V
PW	PAPER W
PX	PAPER X
PY	PAPER Y
PZ	PAPER Z
QA	QUALITY ASSURANCE



100% SUBMITTAL
 3-12-2018
 NOT FOR CONSTRUCTION

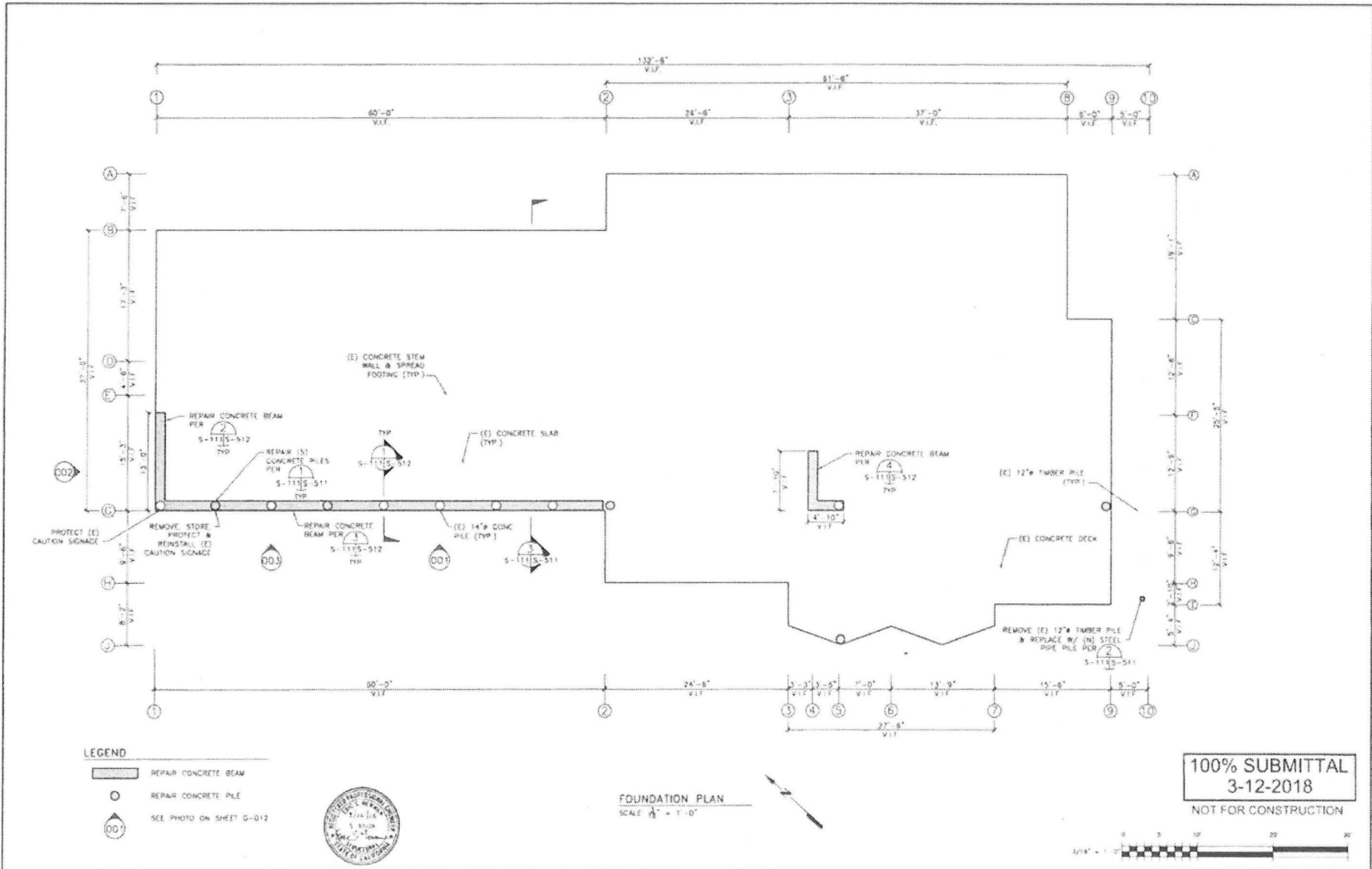


SEE PHOTO ON SHEET S-012

- LEGEND**
- REBUILD WOOD DECK
 - REBUILD WOOD CABINETS
 - DEMO WALL & HEADER TO RELOCATE DOOR
 - REMOVE WOOD GUARDRAIL
 - REMOVE CONCRETE WALK OR PARTIALLY
 - DEMO CONCRETE WALK

DEMOLITION FLOOR PLAN
 SCALE 1/8" = 1'-0"

ENGINEERING TITLE AS SHOWN: 1/12/18 DRAWN BY: UNDESIGNED BY: DA CHECKED BY: JSD DATE: 1/12/18		DEMOLITION FLOOR PLAN MARINE SAFETY BUILDING REPAIRS PROJECT NO. 16530		DRAWING NO. SD112 SHEET 16 OF 26
REVISIONS NO. DATE DESCRIPTION APPROVED		CITY OF SAN CLEMENTE OFFICIAL SEAL AND SIGNATURE		
REFERENCES		CITY OF SAN CLEMENTE PROJECT NO. 16530		



- LEGEND**
- REPAIR CONCRETE BEAM
 - REPAIR CONCRETE PILE
 - 001 SEE PHOTO ON SHEET S-012



FOUNDATION PLAN
SCALE 1/8" = 1'-0"

100% SUBMITTAL
3-12-2018
NOT FOR CONSTRUCTION



NO.	DATE	DESCRIPTION	BY	APPROV.
REVISIONS				



REFERENCES

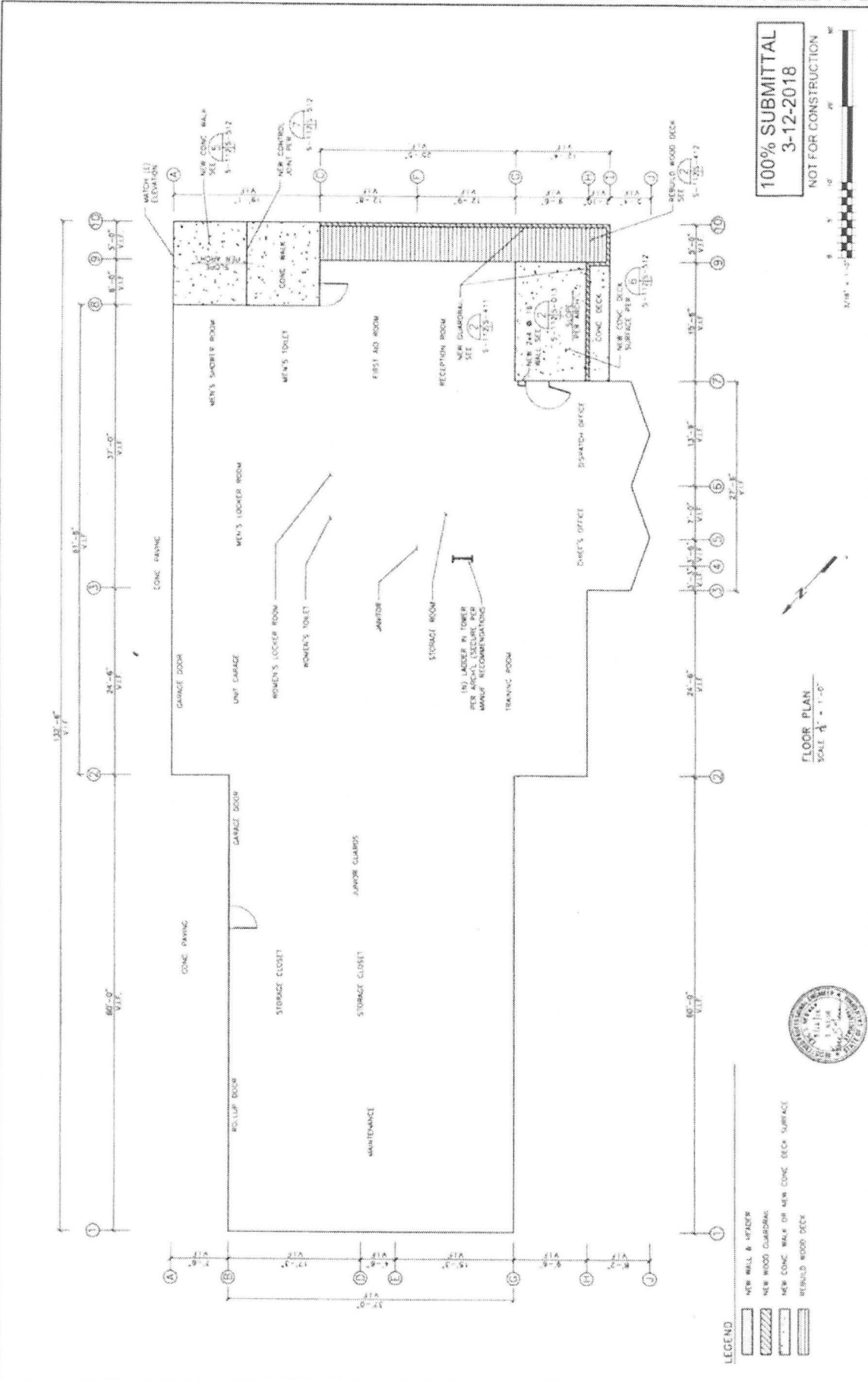
ENGINEERING SCALE AS SHOWN	DATE
DRAWN BY: JLL	DESIGNED BY: EON
CHECKED BY: CDD	3/12/18
(SEE SHEET 1 OF 3) APPROVALS	



FOUNDATION PLAN
MARINE SAFETY BUILDING REPAIRS
Project No. 16530
CITY OF SAN CLEMENTE

DRAWING NO.	S-111
SHEET	16
OF	24

D:\S\16530\16530\16530-111 Foundation Plan.dwg Wednesday, March 14, 2018 10:14:48 AM



100% SUBMITTAL
3-12-2018
NOT FOR CONSTRUCTION

- LEGEND**
- [Symbol] NEW WALL & PARTNER
 - [Symbol] NEW WOOD GUARDRAILS
 - [Symbol] NEW CONC WALK OR NEW CONC DECK SURFACE
 - [Symbol] REBUILD WOOD DECK



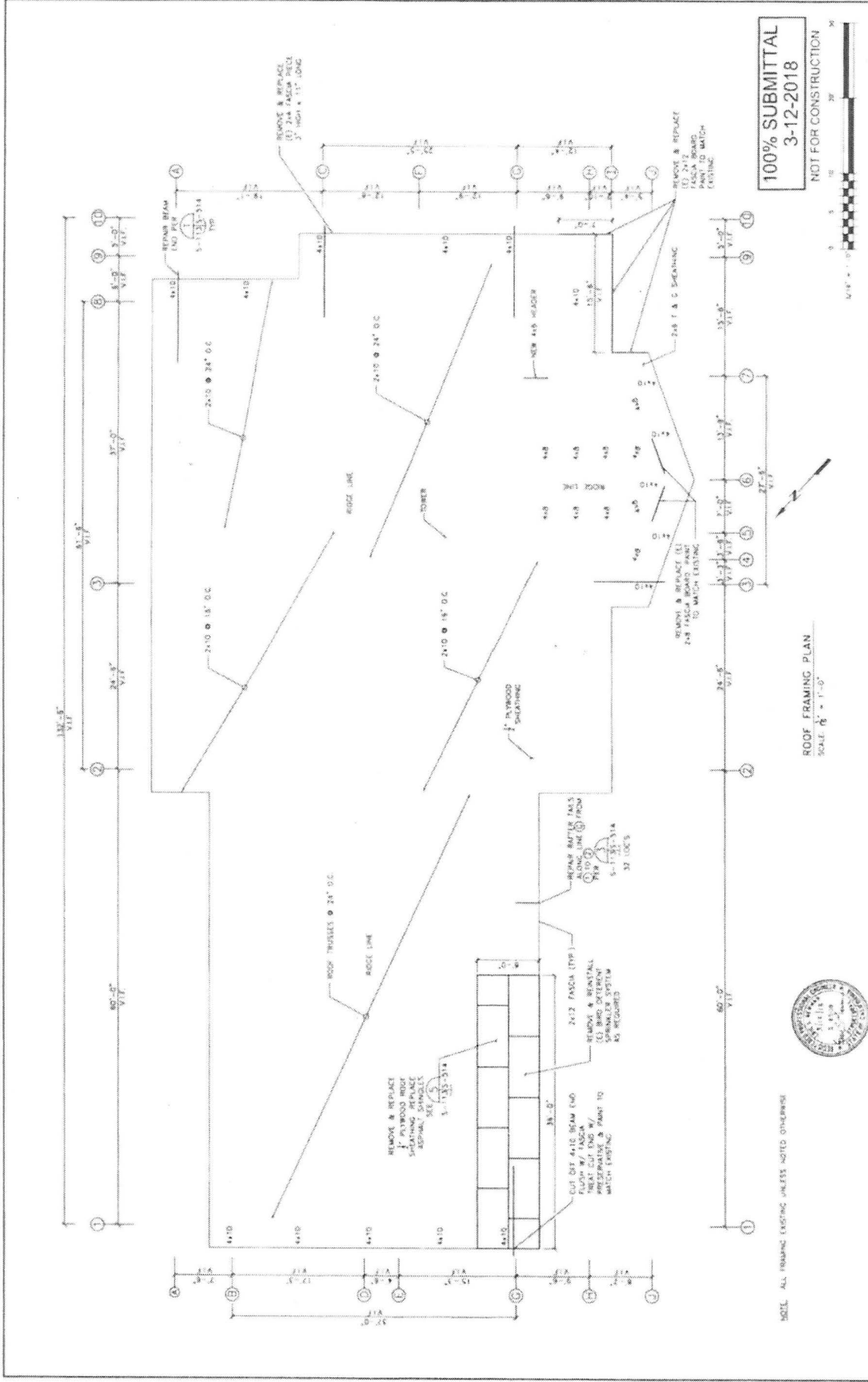
FLOOR PLAN
SCALE 1/4" = 1'-0"

<p>DATE: 3/27/18 CHECKED BY: TCM DESIGNED BY: TCM</p>		<p>DATE: 3/27/18 CHECKED BY: TCM DESIGNED BY: TCM</p>	
<p>PROJECT NO: 16530</p>		<p>PROJECT NO: 16530</p>	
<p>DRAWING NO: S-112</p>		<p>DRAWING NO: S-112</p>	
<p>SHEET 12</p>		<p>SHEET 12</p>	
<p>OF 24</p>		<p>OF 24</p>	
<p>CITY OF SAN CLEMENTE</p>			
<p>MARINE SAFETY BUILDING REPAIRS</p>			
<p>FLOOR PLAN</p>			
<p>100% SUBMITTAL 3-12-2018</p>			

REVISIONS

REFERENCES

1. 100% SUBMITTAL 3-12-2018



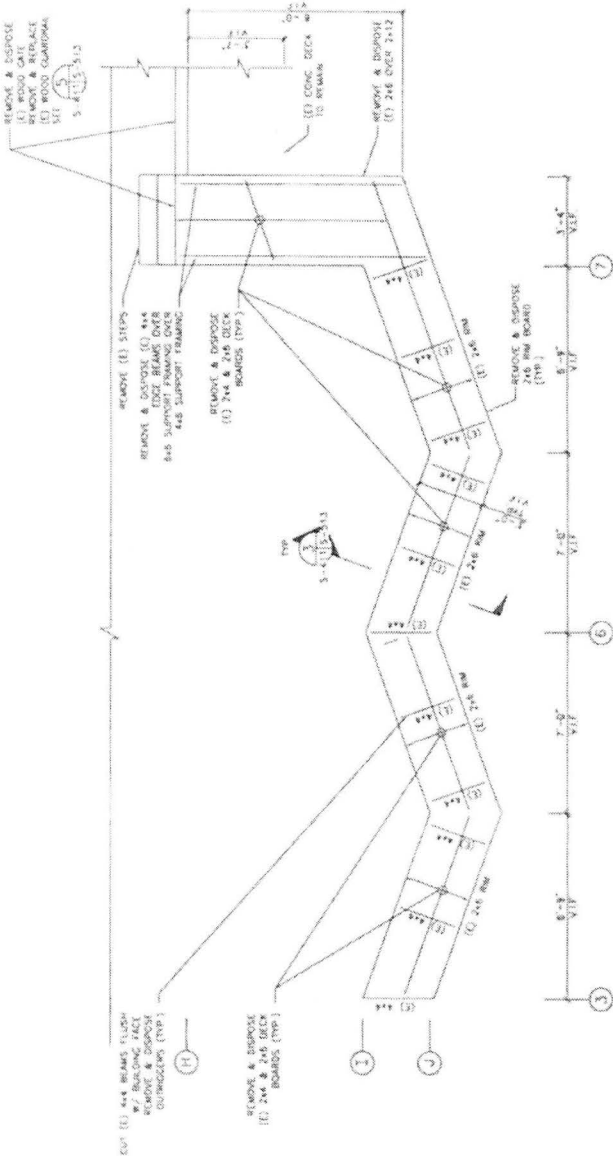
100% SUBMITTAL
3-12-2018

NOT FOR CONSTRUCTION

ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

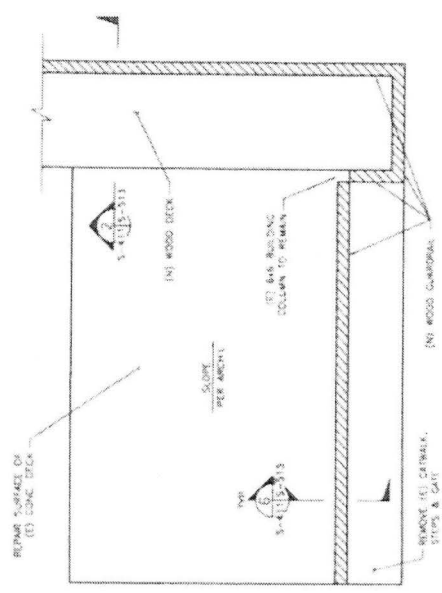
NOTE: ALL FRAMING EXISTING UNLESS NOTED OTHERWISE

<p>DATE: 3/12/18 DESIGNED BY: ERM CHECKED BY: JMC</p>	<p>DATE: 3/12/18 DESIGNED BY: ERM CHECKED BY: JMC</p>	<p>DATE: 3/12/18 DESIGNED BY: ERM CHECKED BY: JMC</p>	<p>DATE: 3/12/18 DESIGNED BY: ERM CHECKED BY: JMC</p>
<p>100% SUBMITTAL 3-12-2018</p>			
<p>NOT FOR CONSTRUCTION</p>			
<p>ROOF FRAMING PLAN MARINE SAFETY BUILDING REPAIRS PROJECT NO. 16530</p>			
<p>CITY OF SAN CLEMENTE</p>			
<p>REVISIONS</p>			
<p>REFERENCES</p>			



NOTES 1) TRIM FIELD END OF EXISTING OUTRIGGERS WITH PRESERVATIVE.
2) PATCH & PAINT EXTERIOR TO MATCH EXISTING.

CATWALK DEMO PLAN
SCALE 1/4" = 1'-0"
SHEET 1 OF 3-411



NEW WOOD GUARDRAIL PLAN
SCALE 1/4" = 1'-0"
SHEET 2 OF 3-411

100% SUBMITTAL
3-12-2018
NOT FOR CONSTRUCTION



REVISIONS		REFERENCES		DATE	
NO.	DATE	BY	APP'D.	NO.	DATE

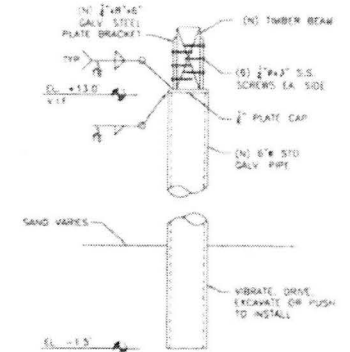
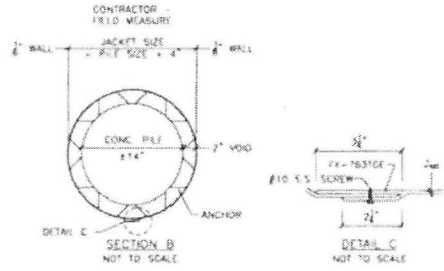
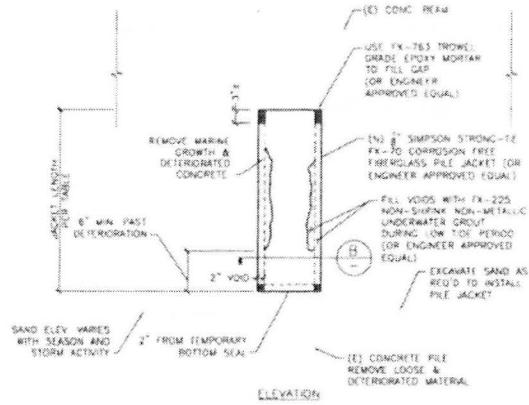
DESIGNED BY	DATE	APPROVED BY	DATE

ENGINEERING SCALE AS SHOWN	DATE
DESIGN BY: [Signature]	3/12/18
CHECKED BY: [Signature]	3/12/18

PROJECT NO.	16530
PROJECT NAME	MARINE SAFETY BUILDING REPAIRS
CITY	CITY OF SAN CLEMENTE
DATE	3-12-2018
BY	[Signature]
APP'D.	[Signature]

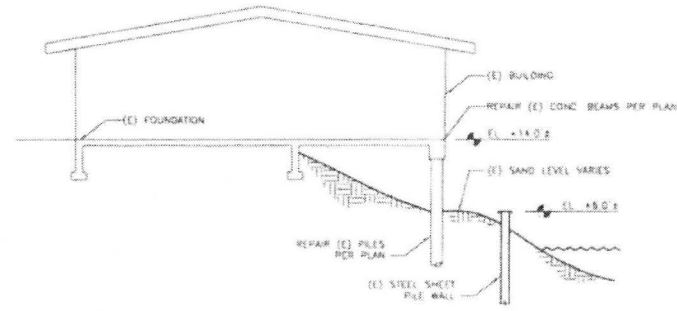
- NOTES**
1. WORK LOW TIDE WINDOWS WHENEVER PRACTICAL. CONTACT CITY MFR. OF 14 DAYS IN ADVANCE FOR PERMISSION IF OUTSIDE OF TYPICAL WORK HOURS.
 2. EXCAVATE SAND AS NEEDED FOR ACCESS. THIS SITE AND EXCAVATIONS ARE PRONE TO TIDE RISE & SIDRM INUNDATION. PROTECT WORK AREAS AS APPROPRIATE.
 3. CLEAN & ROUGHEN INTERFACE FOR NEW WORK.
 4. INSTALL AS SHOWN AND PER MANUFACTURER'S LATEST SPECIFICATIONS.
 5. PROVIDE TARP AND DROP CLOTHS AS NECESSARY TO PREVENT ANY CONSTRUCTION MATERIAL FROM COMING IN CONTACT WITH BEACH OR OCEAN.
 6. AFTER JACKET IS IN PROPER POSITION, INSTALL SELF-DRILLING SELF-TAPPING A316 STAINLESS STEEL SCREWS AT 8" O.C.
 7. CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

CONCRETE PILE JACKET REPAIRS	
LOCATION	LENGTH
GRID G & GRID 1.1	TOP 5
GRID G & GRID 1.3	TOP 6
GRID G & GRID 2	TOP 3
GRID J & GRID 5	TOP 7
GRID G & GRID 9	TOP 4



FIBERGLASS PILE JACKET REPAIR
SCALE: 1/2" = 1'-0"

PIPE PILE TO BEAM CONNECTION
SCALE: 1/2" = 1'-0"



BUILDING CROSS SECTION
SCALE: 1/8" = 1'-0"

100% SUBMITTAL
3-12-2018
NOT FOR CONSTRUCTION



REV. DATE	DESCRIPTION	BY	APPROV.	 <small>QUALITY CENTER DRUG 4400 27th SANTA ANA, CA 92701 (714) 266-8888</small>	ENGINEERING SCALE: AS SHOWN DRAWN BY: ML CHECKED BY: ODE DATE: 3/12/18 DESIGNED BY: ESN 3/12/18	 CITY OF SAN CLEMENTE <small>Project No. 16530</small>	DRAWING NO. S-511 SHEET 21 OF 24
-----------	-------------	----	---------	---	--	---	--

MARINE SAFETY BUILDING REPAIRS, Project No. 16530

CITY OF SAN CLEMENTE

MARINE SAFETY BUILDING

BULKHEAD REPAIRS

PROJECT No. 16530

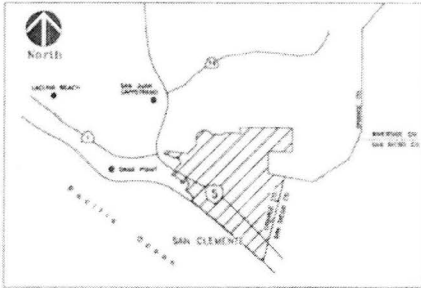


March 2018

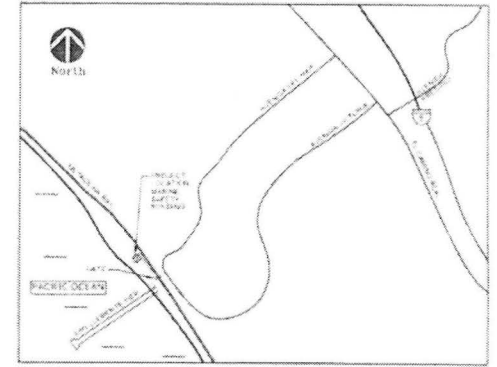
PROJECT ADDRESS:
670 AVENIDA DEL MAR
SAN CLEMENTE, CA 92672

STRUCTURAL ENGINEER:
ERIC S. NEWMAN, SE
TRANSYSTEMS CORPORATION
6 HUTTON CENTRE DRIVE, SUITE 1250
SANTA ANA, CA 92707
(714) 708-6890

PROJECT OWNER:
CITY OF SAN CLEMENTE
CONTACT AMIR K. ILKHAPOUR, PE
910 CALLE NEGOCIO, SUITE 100
SAN CLEMENTE, CA 92672
(949) 361-6140



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

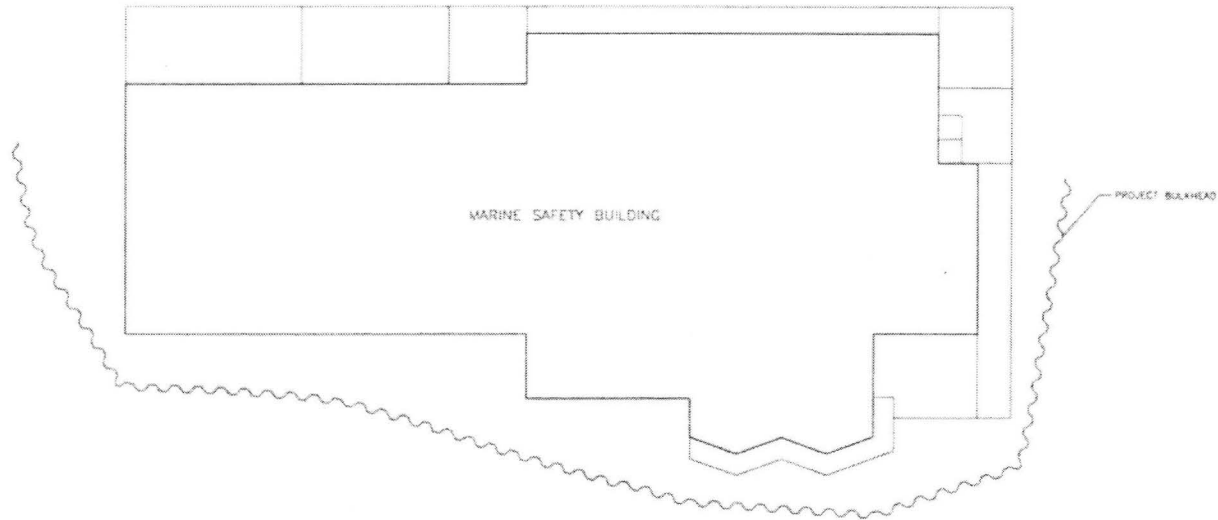
SHEET INDEX	
1	G-001 TITLE SHEET
2	S-001 STRUCTURAL NOTES
3	S-002 TYPICAL DETAILS & BMP's
4	S-101 EXISTING BULKHEAD PLAN
5	S-102 BULKHEAD & SLOPE PROTECTION PLAN
6	S-301 BULKHEAD DETAILS

AGENCY INDEX	
AT&T	(714) 816-9141
CONTRACT CARL JOHNSON	
SAN DIEGO GAS & ELECTRIC	(619) 381-6000
CONTRACT STEVE COOPER	
SD GOLF COURSE COMPANY	(714) 634-3001
CONTRACT BRAD NEFFSON	
COX COMMUNICATIONS	(949) 546-1818
CONTRACT LESLIE BRISCH	
CITY OF SAN CLEMENTE	(949) 361-4253
WATER & SEWER DEPTS.	
CONTRACT LARRY BRIDGMAN	

DIGALERT
Call Toll Free
1-800-227-2600
Digging Safely Before You Dig

UNDERGROUND SERVICE ALERT
OF BIRMINGHAM, CALIFORNIA

ATTENTION IS DRAWN TO THE POSSIBLE PRESENCE OF UNDERGROUND FACILITIES NOT KNOWN OR AT A LOCATION DIFFERENT FROM THAT INDICATED ON THE PLANS. IT IS THE USER'S RESPONSIBILITY TO CONTACT THE LOCAL UTILITY AGENCIES TO DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES PRIOR TO ANY WORK THAT MAY BE DONE. SUCH FACILITIES OF INTEREST BOTH TO THE USER AND TO THE COMMUNITY SHOULD BE REPORTED TO THE LOCAL UTILITY AGENCIES AT (800)227-2600.



PACIFIC OCEAN

SITE PLAN
SCALE 1/4" = 1'-0"

100% SUBMITTAL
3-12-2018

NOT FOR CONSTRUCTION



REV	DATE	DESCRIPTION	BY	APP'V
REVISIONS				

Tran TRANSDATA

6 HUTTON CENTRE DRIVE
SANTA ANA, CA 92707
(714) 708-6890

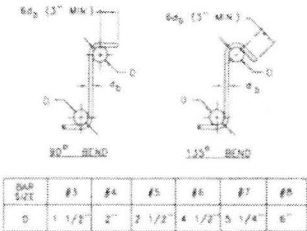
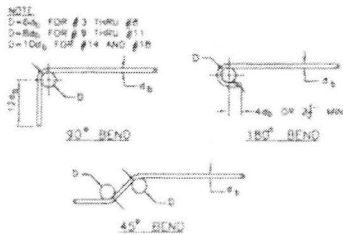
REFERENCES	

ENGINEERING SCALE AS SHOWN	DATE
DRAWN BY: MEJ	DESIGNED BY: EN
CHECKED BY: GDD	3/12/18
APPROVED:	DATE
ERIC S. NEWMAN, SE STRUCTURAL ENGINEER	3/12/18

TITLE SHEET
MARINE SAFETY BUILDING BULKHEAD REPAIRS
Project No. 16530
CITY OF SAN CLEMENTE

DRAWING NO.	G-001
SHEET	3
OF	6

MARINE SAFETY BUILDING BULKHEAD REPAIRS, Project No. 16530



REMARKS: FOR REVIEW PURPOSES ONLY.

BMP's: Easy Solutions for Keeping Over Ocean Waters Clean

BMP's offers a wide range of products to help you keep your site clean and safe. Our products are designed to be easy to install and use, and they are made from high quality materials.

Perforated Requirements:
 1. Perforated metal shall be made of 304 stainless steel or equivalent material.
 2. Perforated metal shall be made of 304 stainless steel or equivalent material.
 3. Perforated metal shall be made of 304 stainless steel or equivalent material.

Structural Reinforcement:
 1. Reinforcement shall be made of 60ksi yield strength steel.
 2. Reinforcement shall be made of 60ksi yield strength steel.
 3. Reinforcement shall be made of 60ksi yield strength steel.

Rebar Reinforcement:
 1. Rebar shall be made of 60ksi yield strength steel.
 2. Rebar shall be made of 60ksi yield strength steel.
 3. Rebar shall be made of 60ksi yield strength steel.

Rebar - 90 Degree Reinforcement:
 1. Rebar shall be made of 60ksi yield strength steel.
 2. Rebar shall be made of 60ksi yield strength steel.
 3. Rebar shall be made of 60ksi yield strength steel.

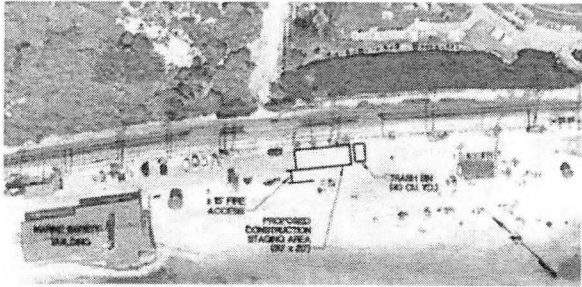
Reinforcing Structural Reinforcement and Details:
 1. Reinforcement shall be made of 60ksi yield strength steel.
 2. Reinforcement shall be made of 60ksi yield strength steel.
 3. Reinforcement shall be made of 60ksi yield strength steel.

Structural Reinforcement:
 1. Reinforcement shall be made of 60ksi yield strength steel.
 2. Reinforcement shall be made of 60ksi yield strength steel.
 3. Reinforcement shall be made of 60ksi yield strength steel.

Reinforcement:
 1. Reinforcement shall be made of 60ksi yield strength steel.
 2. Reinforcement shall be made of 60ksi yield strength steel.
 3. Reinforcement shall be made of 60ksi yield strength steel.

Reinforcement:
 1. Reinforcement shall be made of 60ksi yield strength steel.
 2. Reinforcement shall be made of 60ksi yield strength steel.
 3. Reinforcement shall be made of 60ksi yield strength steel.

Category	Minimum Requirements
Structural Reinforcement	Reinforcement shall be made of 60ksi yield strength steel.
Rebar Reinforcement	Rebar shall be made of 60ksi yield strength steel.
Reinforcing Structural Reinforcement and Details	Reinforcement shall be made of 60ksi yield strength steel.



STAGING AREA AND TRASH BIN LOCATION MAP
NOT TO SCALE

100% SUBMITTAL
3-12-2018
 NOT FOR CONSTRUCTION

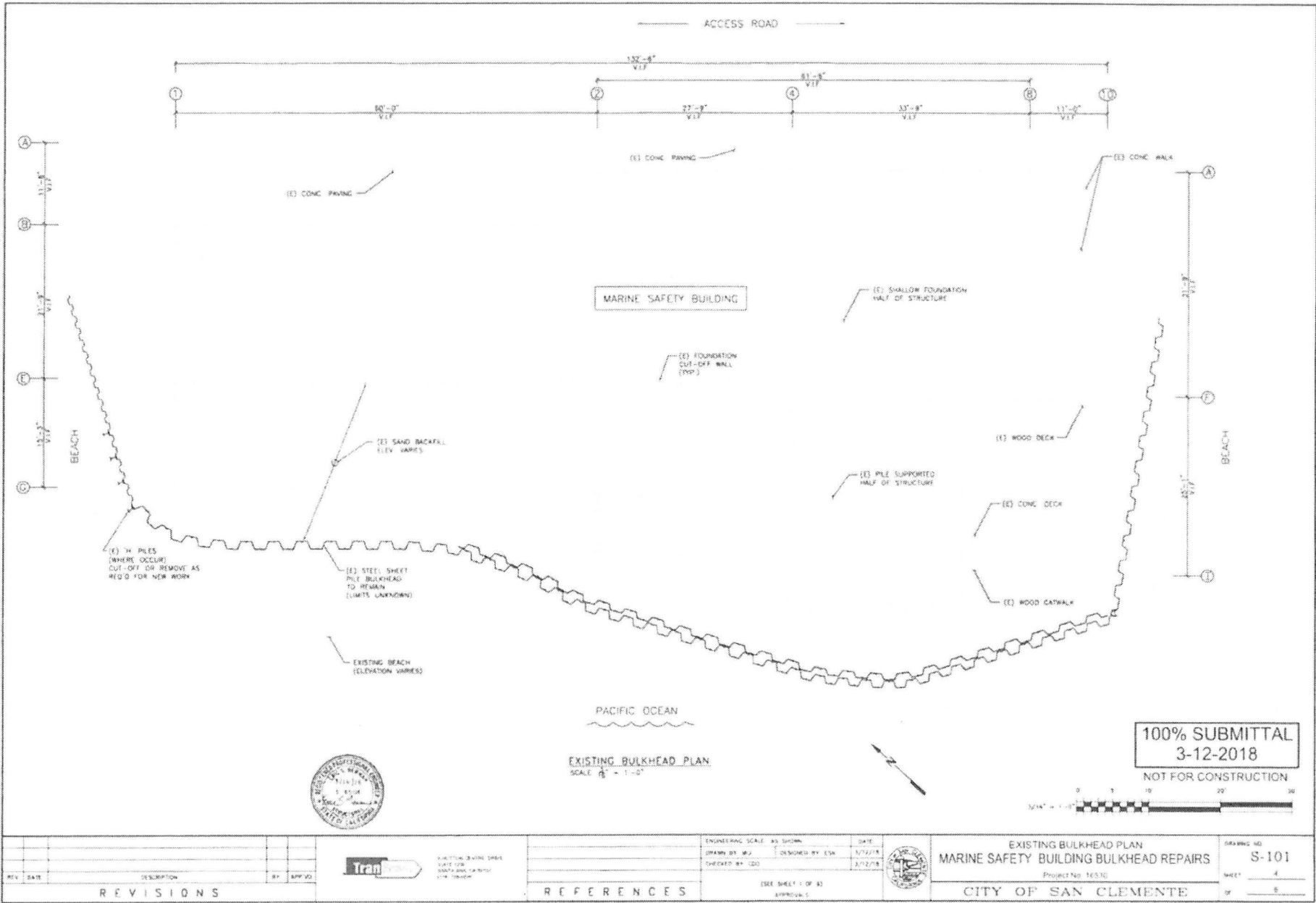
REV	DATE	DESCRIPTION	BY	APP'D

ENGINEERING SCALE: AS SHOWN	DATE: 04/7/18
DRAWN BY: MJ	DESIGNED BY: ESN
CHECKED BY: COO	3/7/2018
(SEE SHEET 1 OF 8)	
APPROVALS:	

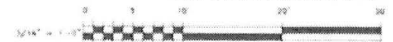
TYPICAL DETAILS & BMP'S
MARINE SAFETY BUILDING BULKHEAD REPAIRS
 Project No. 16530
CITY OF SAN CLEMENTE

DRAWING NO:	S-002
SHEET:	3
OF:	6

MARINE SAFETY BUILDING BULKHEAD REPAIRS, Project No. 16530



100% SUBMITTAL
3-12-2018
NOT FOR CONSTRUCTION



EXISTING BULKHEAD PLAN
SCALE 1/4" = 1'-0"

REV	DATE	DESCRIPTION	BY	APP'D.
REVISIONS				



NO.	DESCRIPTION
REFERENCES	

ENGINEERING SCALE AS SHOWN	DATE
DRAWN BY: MJJ	DESIGNED BY: ESN
CHECKED BY: CDD	3/12/18
SEE SHEET 1 OF 31	
APPROVALS	



EXISTING BULKHEAD PLAN
MARINE SAFETY BUILDING BULKHEAD REPAIRS
Project No. 16530
CITY OF SAN CLEMENTE

DRAWING NO.	S-101
SHEET	4
OF	5

