CODE SUMMARY & REGULATIONS

AS A FACILITY WHICH COMES UNDER THE APPROVAL AND AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND JOB SITE REVIEW BY A REPRESENTATIVE OF DSA.

NISTRATIVE REQUIREMENTS (PARTIAL LISTING ONLY FROM CHAPTER 4, PART 1, TITLE 24, C.C.R.)

- MINISTRATIVE REQUIREMENTS (PARTIAL LISTING ONLY FROM CHAPTER 4, PART 1, TITLE 24, C.C. R) A COPY OF PARTS 1 AND 2, TITLE 24, C.C. RND ALL SECTIONS OF THE CALIFORNIA BUILDING CODE (9 VOLUMES) SHALL BE KEPT ON SITES AT ALL TIMES. ALL CHANGE ORDERS AND ADDENDA TO BE SIGNED BY THE ARCHITECT OF RECORD AND THE OWNER AND APPROVED BY DSA. ALL SUBSTITUTIONS TREATED AS CHANGE ORDERS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24 DSA SHALL BE KONTIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER

- DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF CONCRETE PER SECTION 4-331, PART 1, TITLE 24
 INSPECTOR SHALL BE APPROVED BY DSA AND EMPLOYED DIRECTLY BY OWNER. INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-331(B), PART 1, TITLE 24
 SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH SECTION 4-344, PART 1, TITLE 24
 CONTRACTOR, INSPECTOR, RACHITECT OF RECORD AND ENGINEERS SHALL SUBMIT VERIFED REPORTS (DSA 6AE) IN ACCORDANCE WITH SECTION 4-330 AND 10-343, PART 1, TITLE 24
 THE ARCHITECT OF RECORD AND STRUCTURAL ENGINEERS SHALL SUBMIT VERIFED REPORTS (DSA 6AE) IN ACCORDANCE WITH SECTION 4-336 AND 10-343, PART 1, TITLE 24
 THE ARCHITECT OF RECORD AND STRUCTURAL ENGINEER SHALL SUBMIT VERIFED REPORTS (DSA 6AE) IN ACCORDANCE WITH SECTION 4-336 AND 10-343, PART 1, TITLE 24
 THE ARCHITECT OF RECORD AND STRUCTURAL ENGINEER SHALL SUBMIT VERIFED REPORTS (DSA 6AE)
 THE ARCHITECT OF RECORD AND STRUCTURAL ENGINEER SHALL SUBMIT VERIFED IN ACCORDANCE WITH SECTION 4-332 AND 4-334, PART 1, TITLE 24
 THE ARCHITECT OF RECORD AND STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTION 4-324 APART 1, TITLE 24
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- SECTION 4-333(A) AND 40341, PART 1, TITLE 24 8. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343, PART 1, TITLE 24

NON-COMPLYING CONSTRUCTION FOR ALTERATION PROJECTS, STATEMENTS SIMILAR TO THE ONE NOTED IN SECTION 4-317 (C). PART 1. TITLE 24, C.C.R. IS TO BE INCLUDED ON THE COVER DRAWINGS.

THE INTENT OF THE DRAWINGS AND PROJECT MANUAL IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. UPON DISCOVERY OF NON-COMPLYING EXISTING CONDITIONS NOT ADDRESSED BY THE CONTRACT POOLUMENTS AND AFFECTING COMPLANCE OF FINISHED WORK, A CHANGE ORDER OR SEPARATE SET OF CONSTRUCTION DOCUMENTS ADDRESSING THE NECESSARY PREMEDIAL SUPOF OF WORK SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER, CLIENT, ARCHITECT AND DSA BEFORE PROCEEDING WITH THE WORK.

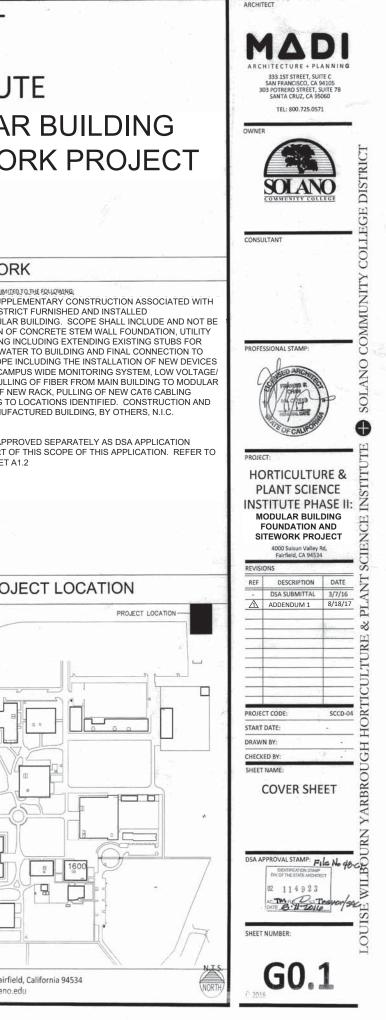
SOLANO COMMUNITY COLLEGE DISTRICT 4000 Suisun Valley Road, Fairfield, California 94534 (T) 707.864.7000, www.solano.edu

HORTICULTURE & PLANT SCIENCE INSTITUTE HORTICULTURE MODULAR BUILDING PHASE II: FOUNDATION AND SITE WORK PROJECT

SCCD FAIRFIELD CAMPUS

4000 Suisun Valley Road, Fairfield, California 94534 (T) 707.864.7000, www.solano.edu

GOVERNING CODES	CONSULTANTS				SCOPE OF WO
*2013 CALIFORNIA BUILDING STANDARD, TITLE 24, PART 1 *2013 CALIFORNIA BUILDING CODE, TITLE 24, PART 2 *2013 CALIFORNIA ELECTRICAL CODE, TITLE 24, PART 3 *2013 CALIFORNIA MECHANICAL CODE, TITLE 24, PART 4 *2013 CALIFORNIA SUBJECT CODE, TITLE 24, PART 5 *2013 CALIFORNIA ENERGY CODE, TITLE 24, PART 5 *2013 CALIFORNIA ENERGY CODE, TITLE 24, PART 5 *2013 CALIFORNIA EXISTING BUILDING CODE, TITLE 24, PART 10 *2013 CALIFORNIA GREEN BUILDING STANDARD, TITLE 24, PART 10 *2013 CALIFORNIA GREEN BUILDING STANDARD, TITLE 24, PART 11 *2013 CALIFORNIA GREEN BUILDING STANDARD, TITLE 24, PART 12 *2013 NPD 13: 34 JUITOMATIC SPRINKLER SYSTEMS, WITH 2013 CBC AMENDMENTS	STRUCTURAL ENGINEER:	CIVIL ENGINEER:	ELECTRICAL & FIRE ALARM ENGINEER: HARRY A. YEE & ASSOCIATES 4920 FREEPORT BLVD. SUITE D SACRAMENTO, CA 95822 (T) 916.454.5319 WWW.HYAENGINEERS.COM	LOW VOLTAGE:	SCOPE OF WORK INCLUDES AND IS NOT UN ALL PREPARATORY AND SUF THE INSTALLATION OF A DIS PREMANUFACTURED MODUL LIMITED TO CONSTRUCTION CONNECTIONS FOR BUILDIN POWER, SEWER, GAS AND W BUILDING, FIRE ALARM SCOT AND PROGRAMMING INTO C
*2013 NFPA 14-13 INSTALLATION OF STANDPIPE, PRIVATE HYDRÄNT AND HÖSE SYSTEMS, WITH 2013 CBC AMENDMENTS *2013 NFPA 72-13 NATIONAL FIRE ALARM CODE, WITH 2013 CBC AMENDMENTS *2013 NFPA 22-13 WATER TANKS FOR PRIVATE FIRE PROTECTION *2013 NFPA 22-13 WATER TANKS FOR PRIVATE FIRE PROTECTION *2013 NFPA 24-13 INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION *2013 NFPA 24-13 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES, WITH 2013 CBC AMENDMENTS *2008 NFPA 25 INSPECTION, TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS *2001 NFPA 110-13 EMERGENCY AND STANDBY POWER SYSTEMS *2001 STATUS 12 STANDARDS ON BLEACHERS, FOLDING TELESCOPIC SEATING & GRANDSTANDS *2013 NFPA 17-13 OVER CHEMICAL EXTINGUISHING SYSTEMS *2013 NFPA 17-13 WET CHEMICAL EXTINGUISHING SYSTEMS	MECHANICAL ENGINEER:	PLUMBING ENGINEER:	FIRE SUPPRESSION ENGINEER:	LANDSCAPE ENGINEER:	DATA SCOPE INCLUDING PU BUILDING, INSTALLATION OF WITHIN MODULAR BUILDING INSTALLATION OF PRE-MANU ALL SITEWORK HAS BEEN AF #02-114750 AND IS NOT PART GENERAL NOTE #1 ON SHEE
*ASTM STANDARDS CHANGES (EXAMPLE: ASTM E648-04 STANDARD TEST METHOD FOR CRITICAL RADIANT FLUX OF FLOOR) *UL STANDARD CHANGES (EXAMPLE: 2005 UL 38 MAUAL OPERATING SIGNAL BOXES) *UTTLE 24-12 CCR STATE FIRE MARSHAL REGULATIONS *2003 UL 464-03 AUDIBLE SIGNAL APPLANCES *1999 UL 521-99 HEAT DETECTORS FOR RRE PROTECTIVE SIGNALING SYSTEMS *2002 UL 1971 SIGNALING SOVICES FOR HEARING IMPAIRED *ADA STANDARDS FOR ACCESSIBLE DESIGN: 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A *ADA STANDARDS FOR ACCESSIBLE DESIGN: 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A *ADA STANDARDS FOR ACCESSIBLE DESIGN: 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A *ADA STANDARDS FOR ACCESSIBLE DESIGN: 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A *ADA STANDARDS FOR ACCESSIBLE DESIGN: 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A *ADA STANDARDS FOR ACCESSIBLE DESIGN: 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A *ADA STANDARDS FOR ACCESSIBLE DESIGN: 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A *ADA STANDARDS FOR ACCESSIBLE DESIGN: 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A *ADA STANDARDS FOR ACCESSIBLE DESIGN: 2010 ADA ACCESSIBILITY GUIDELINES (ADAAG) 28, PART 36 APPENDIX A *ADA STANDARDS FOR ACCESSIBLE DESIGN-CODE OF FEDERAL REGULATIONS (INCLUDING AMENDMENTS) * AISC MANULO STEEL CONSTRUCTION, THI EDITION *2005 REVISED NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION *ACL 318-11 CODE AND COMMENTARY	WATER INTRUSION CONSULTANT:	ENERGY CONSULTANT:	ACOUSTICAL ENGINEER:	CONSTRUCTION MANAGEMENT: KITCHELL 360 CAMPUS DRIVE FAIRFIELD, CA 94534 (T) 707.864.7000 WWW.KITCHELL.COM	
EQUIPMENT ANCHORAGE NOTES	SYMBOLS		ABBREVIATIONS		PRO
ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER DETAILS ON DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE ND DETAILS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO A DEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN 2013 CBC, SECTIONS 1615A.1.12 THROUGH 1615A.1.22 AND ASCE7-05 CHAPTER 6 AND 13: 1. ALL PERMANENT EQUIPMENT AND COMPONENTS THE PROMARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTUTY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. 3. MOVABLE EQUIPMENT VINICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS. THE ATTACHNENT OF THE FOLLOWING MECHANICAL AND ELECTRICIAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NOT BE DETAILED ON THE PLANS. THESE COMPONENTS 1. COMPONENTS WEIGHING LESS THAN 30 POUNDS, OR IN THE CASE OF DISTIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL FOR THOSE CLEMENTS THAT DO POT REQUIRE PETALS ON THE APROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE OSA DISTRICT STRUCTURAL ENGINEER. THE PROLECT INSPECTIOR SHALL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS. PIPING, DUCTWORK AND ELECTRICAL SYSTEM DISTRIBUTION SYSTEMS BHALL BE BRACED TO COMPRES YOF AND ASCE AND DODISE TO SATESPY ANCHORE REQUIREMENTS. PIPING, DUCTWO	Image: constraint of the system of the sy	∅ AT A.B. ANCHOR BOLT A.D. AREA DRAIN ADD, H. ADDITIONAL ADJ. HT. ADJDITIONAL AC ASPAL AGG. AGGREGATE AGG. AGGREGATE ALT. ALTENATE ALUMINIA ALLIMINUM AMP AMPERAGE APA AMERICAN PLYWOOD ASSOCIATION AFF BEUGENTRAGE ASL ABOTESA LEVEL AST ABOTESA LEVEL ASTM AMERICAN PLAYENTE ASTM AMERICAN PLAYENTE BUR BEUGUNING BUCKING BUCKING BULT-UP ROOFING	H.B. HOSE BIBB HD HOL DOWN H.H. HEAD HEIGHT HMF HOLLOW METAL FRAME HORIZ. HORIZONTAL HR. HOUR INFO. INFORMATION INSUL INSULATION OR INSULATED JST. JOST LEV./VL LEVELE LT, LIGHT LTVT. LIGHT LTVT. LIGHT MAX. MAXIMUM MBRS MEDIUM DENSITY FIBERBOARD MFR. MAUMACHARCHURER (N) NEW NAT. NATIONAL MIN. MINIMUM MIN. MINIMUM	RM. ROOM R.W./RWD REDWOOD SAF SELF ADHESIVE FLASHING S.C. SUD CORE S.C.D. SEC LUL DRAWINGS SCHED. SCHEDULE SD SMOKE DETECTOR S.E.D. SEE LECTRICAL DRAWINGS S.F.F./SQ.FT. SQUARE FOOT SHR. SHARE FOOT SM. SIMILAR SM. SIMILAR S.D. SEE TRUCTURAL DRAWINGS S.D. SEE TRUCTURAL DRAWINGS S.D. SEE STRUCTURAL DRAWINGS S.D. SEE STRUCTURAL DRAWINGS STRI STRUARE INCH STRI STRUCTURAL DRAWINGS S.D. SEE STRUCTURAL DRAWINGS S.D. SEE STRUCTURAL DRAWINGS STRI STRUCHALI S.W. SHERENDID SMM. SIMORD S35/54S SMOOTH 3 OR 4 SIDES TEMP/T. TEMERSHOLD T.D.F. TOP OF GRADE BEAM T.O.F. TOP OF GRADE BEAM T.O.F.	4000 Suisun Valley Road, Fai (T) 707.864.7000, www.solar



SHEET LIST

GENERAL G0.1 COVER SHEET G0.2 SHEET LIST

CIVIL DRAWINGS C2 GRADING & DRAINAGE PLAN C3 UTILITY PLAN

(PC 02-114488) A0.0 TITLE SHEET A0.1 SPECIFICATIONS AND NOTES A0.2 CONSTRUCTION MATERIALS AND SPECIFICATIONS

ARCHITECTURAL DRAWINGS A1.1 SITE PLAN - FIRE ACCESS DSA APPL. 02-114750 FOR REFERENCE ONLY A1.1A SITE PLAN A1.2 SITE PLAN - ACCESSIBILITY PLAN A1.4 ENLARGED SITE PLAN

A1.4 ENLARGED SITE PLAN A10.5A ELECTRICAL SPECIFICATIONS A10.6A ELECTRICAL SPECIFICATIONS

ELECTRICAL DRAWINGS E0.1A ELECTRICAL SYMBOLS LIST, SCHEDULE, & NOTES E1.1A POWER SITE PLAN E1.2A SIGNAL SITE PLAN E1.3A FIRE ALARM SITE PLAN E4.1A SIGNAL FLOOR PLANS E5.1A FIRE ALARM FLOOR PLANS E5.2A FIRE ALARM DIAGRAMS, NOTES, 7 DETAILS

STATEMENT OF GENERAL CONFORMANCE

THESE DRAWINGS AND/OR SPECIFICATIONS AND/OR CALCULATIONS FOR ITEMS LISTED IN THE "SHEET LIST" HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR DESIGN INTENT OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE ITEMS LISTED IN THE "SHEET LIST" ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT FOR WHICH I AM THE INDIVIDUAL DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE (OR FOR WHICH I HAVE BEEN DELEGATED RESPONSIBILITY FOR THIS PORTION OF THE WORK).

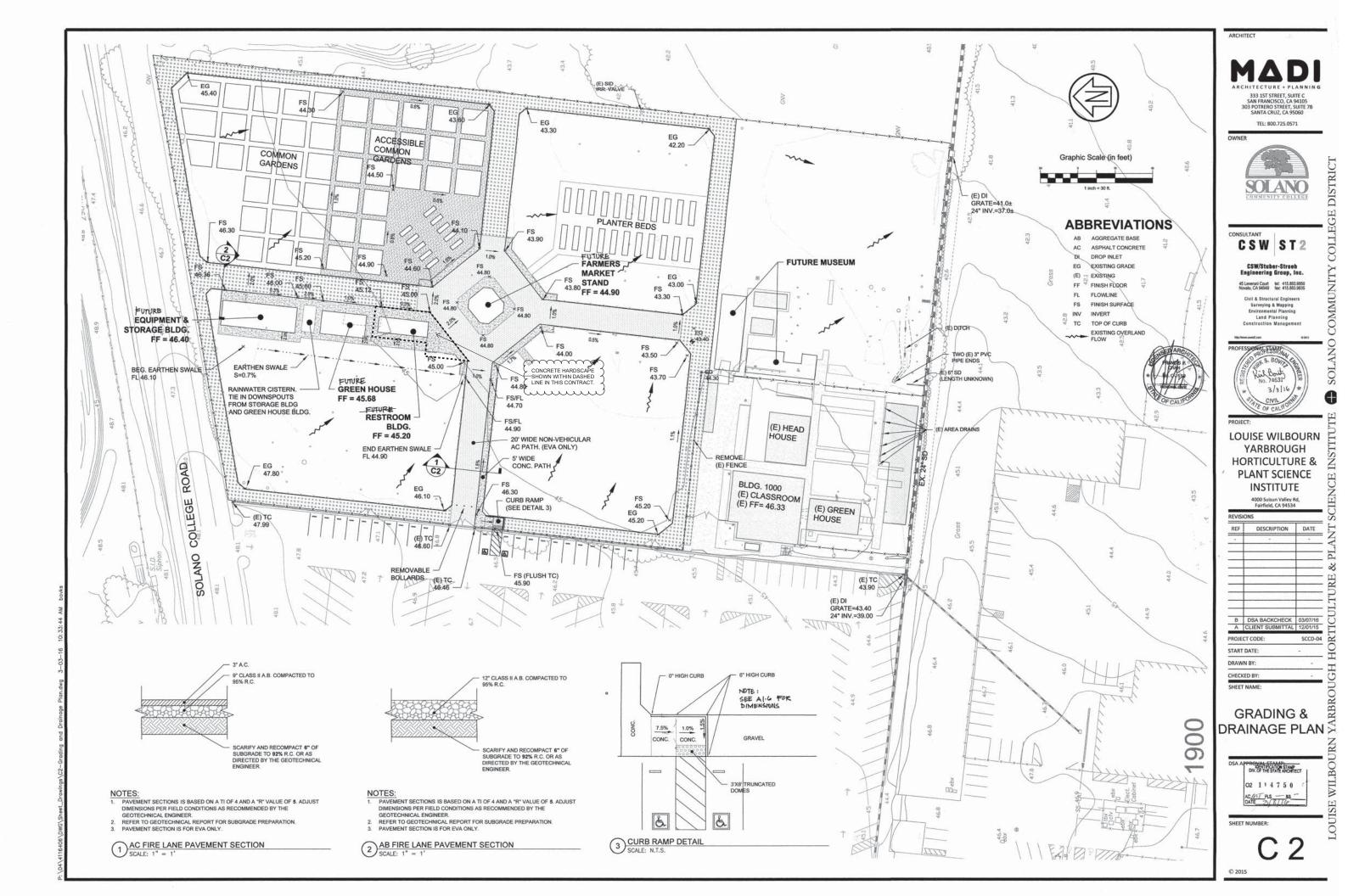
LIST OF ITEMS REVIEWED AND ACCEPTED: ALL ITEMS IN THE SHEET INDEX, EXCEPT ARCHITECTURAL DRAWINGS.

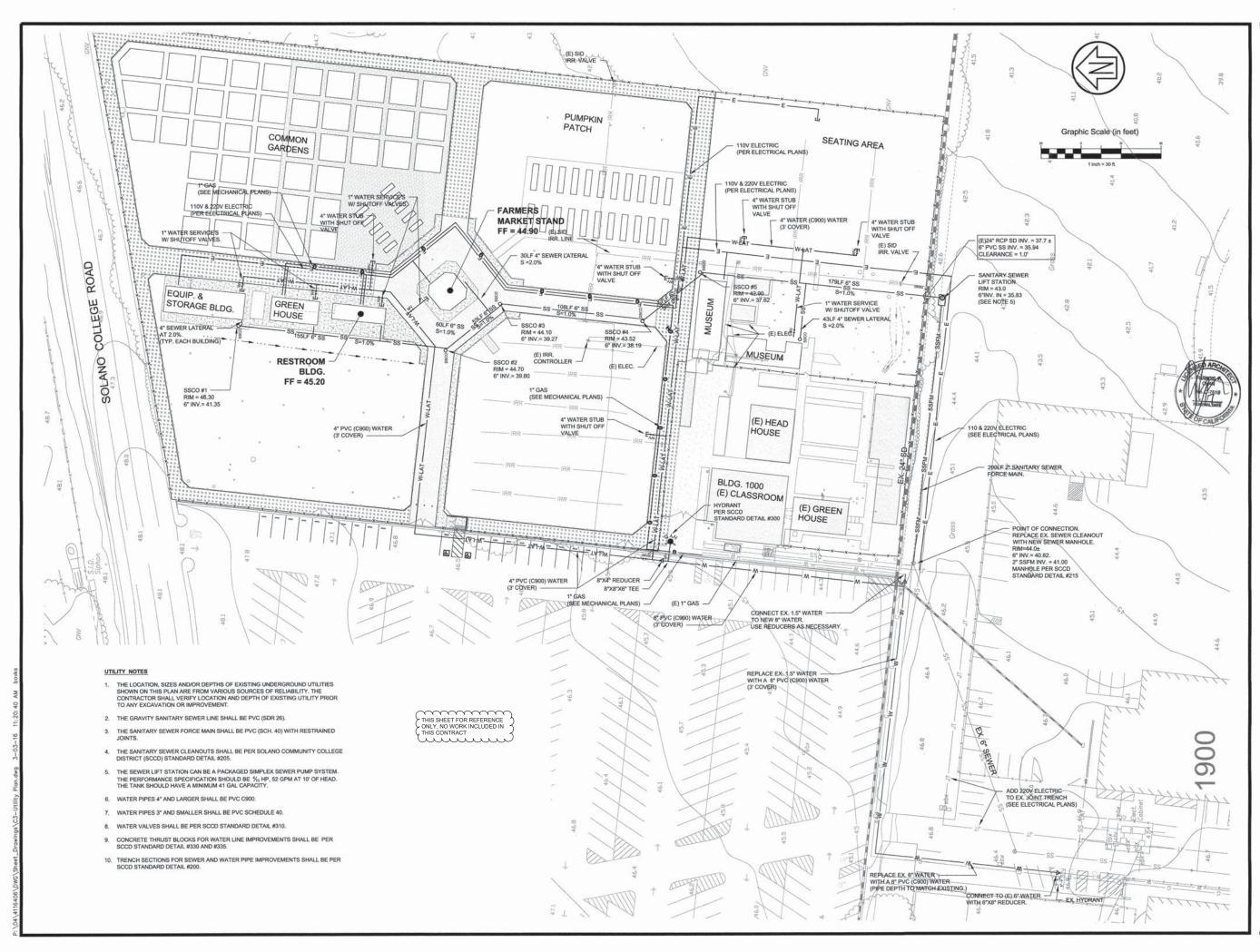
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MANUFACTURER'S MODULAR BUILDING FOUNDATION DRAWINGS

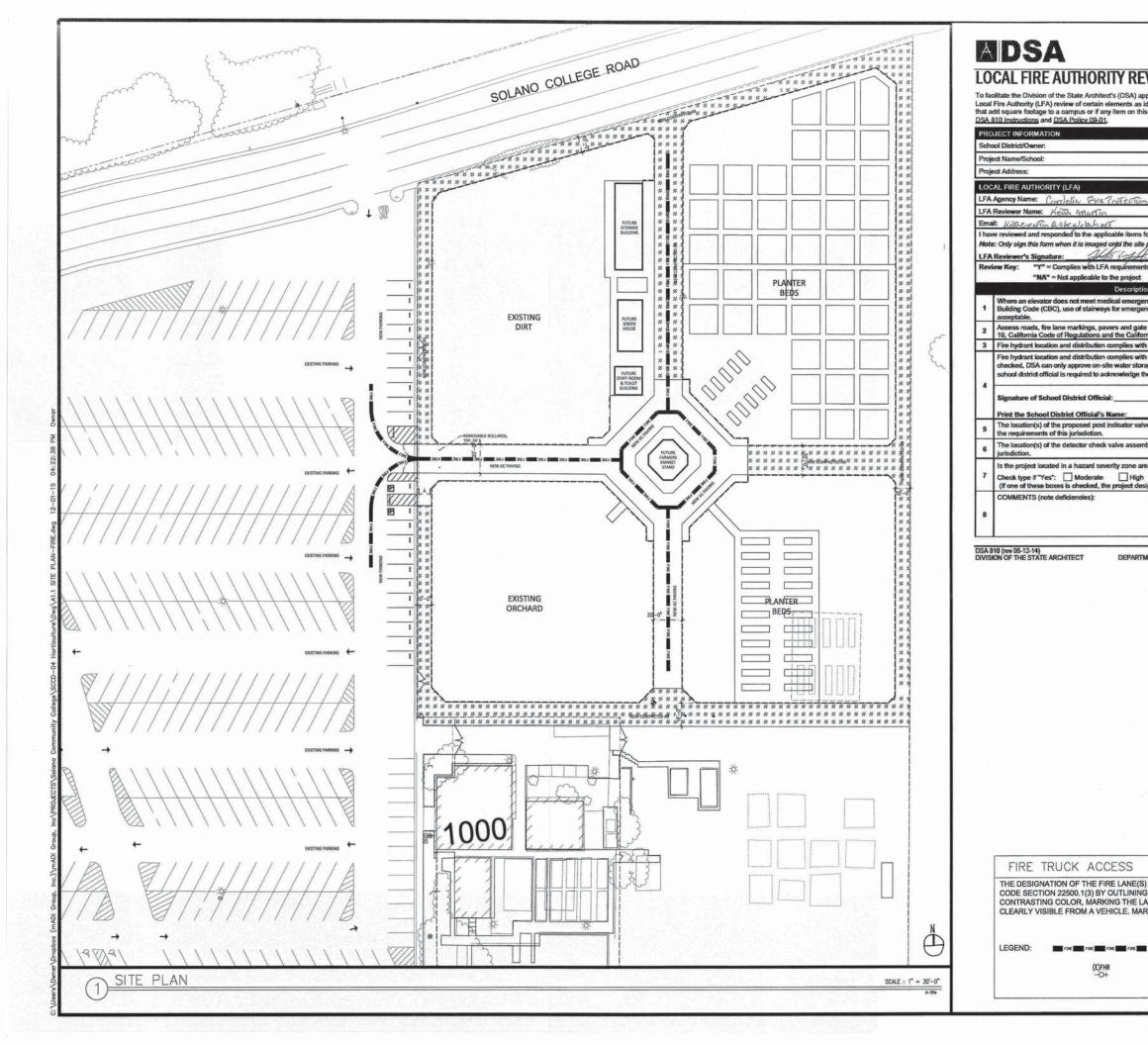
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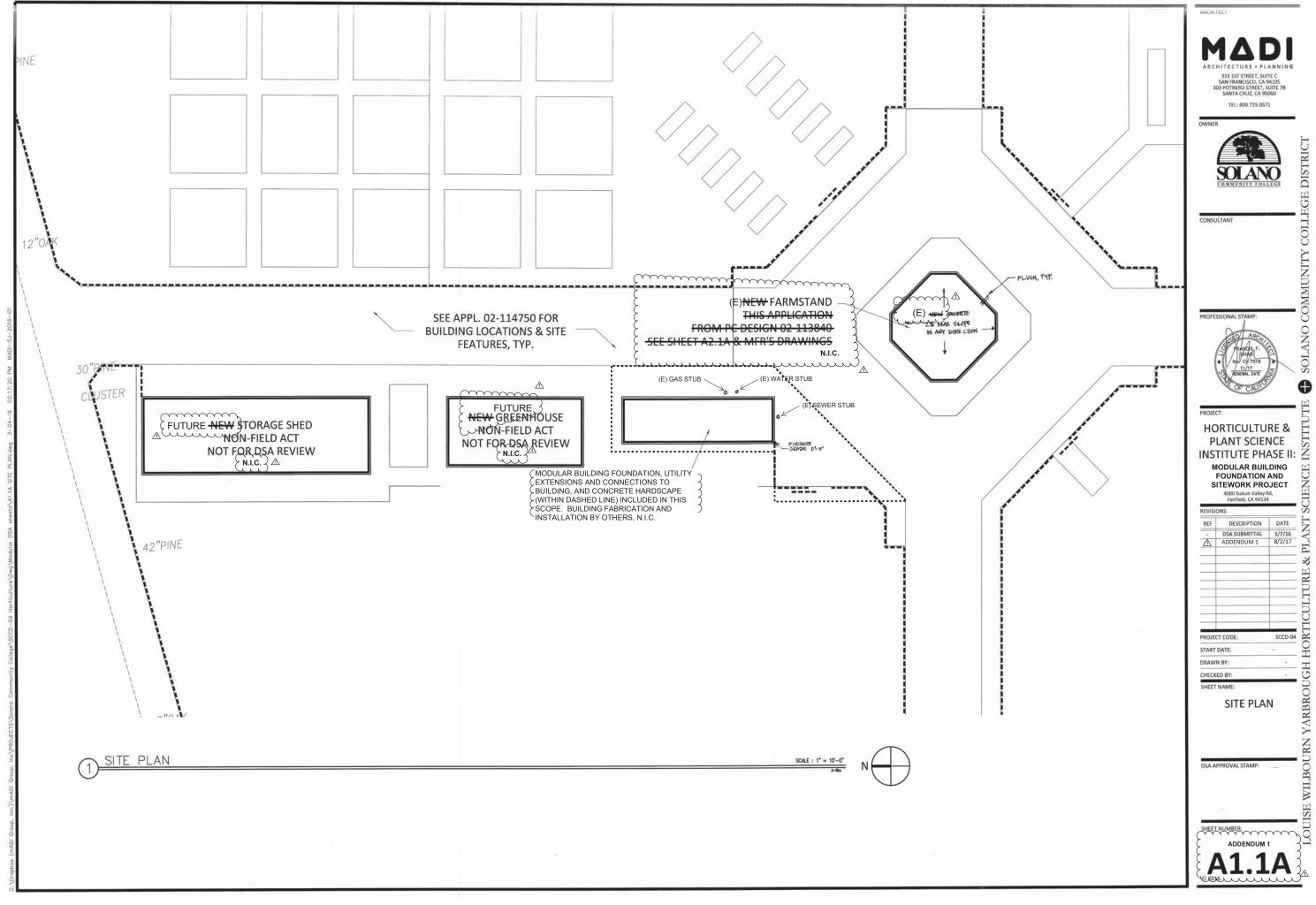


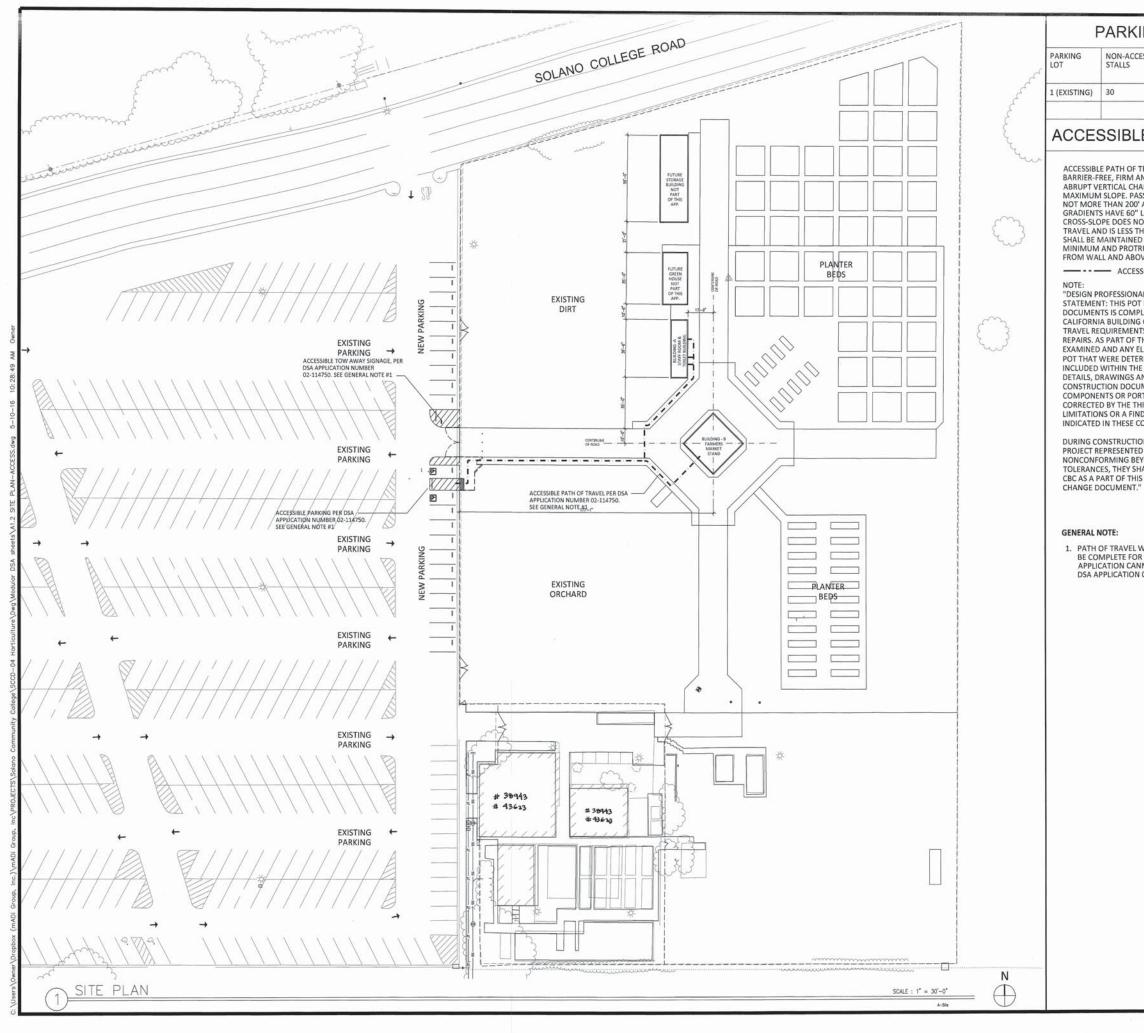


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proval of the Fire/Life Safety portion of a project, DSA requires dentified in this form. Use of this form is mandatory for projects s form is relevant to the project. For additional information, see	A R C H I T E C T U R E + P L A N N I N G 333 1ST STREET, SUITE C SAN FRANCISCO, CA 94105
a form is relevant to the project, i or additional mormation, see	303 POTRERO STREET, SUITE 7B SANTA CRUZ, CA 95060 TEL: 800.725.0571
	OWNER
Tistera Title: Fire Chief	SOLANO E
Telephone Number: 707-554-0465	COMMUNITY COLLEGE
plan. A loose form is not acceptable to DSA. Date: 12/1//1/ ts "N" = Not approved (complete Section 8)	SOLANO CONSULTANT CONSULTANT
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Page 1 of 1 MENT OF GENERAL SERVICES STATE OF CALIFORNIA	PLANT SCIENCE
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	SITE PLAN
	FIRE MARSHAL REVIEW
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ANES WITH THE WORDS 'FIRE LANE', WHICH ARE RKED FIRE LANES SHALL BE A MINIMUM OF 20'-0" WIDE.	START DATE: DRAWN BY: CHECKED BY: SHEET NAME: SITE PLAN FIRE MARSHAL REVIEW DSA APPROVAL STAME OCCOT THE STAR METAL DOC OT THE STAR DOC OT THE STAR METAL DOC OT THE STAR DOC OT THE ST
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PARKING LOT DATA

ION-ACCESSIBLE TALLS	ACCESSIBLE STALLS REQUIRED	ACCESSIBLE STALLS PROVIDED	
0	1 VAN, 1 REG.	1 VAN, 1 REG.	

ACCESSIBLE PATH OF TRAVEL

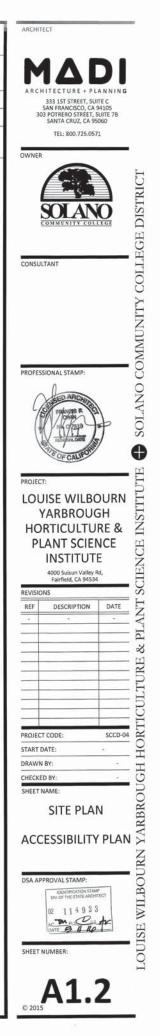
ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A COMMON, BARRIER-FREE, FIRM AND SMOOTH ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE. PASSING SPACES AT LEAST 60" X 60" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T.WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE INTHE DIRECTION OT TRAVEL AND IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80".

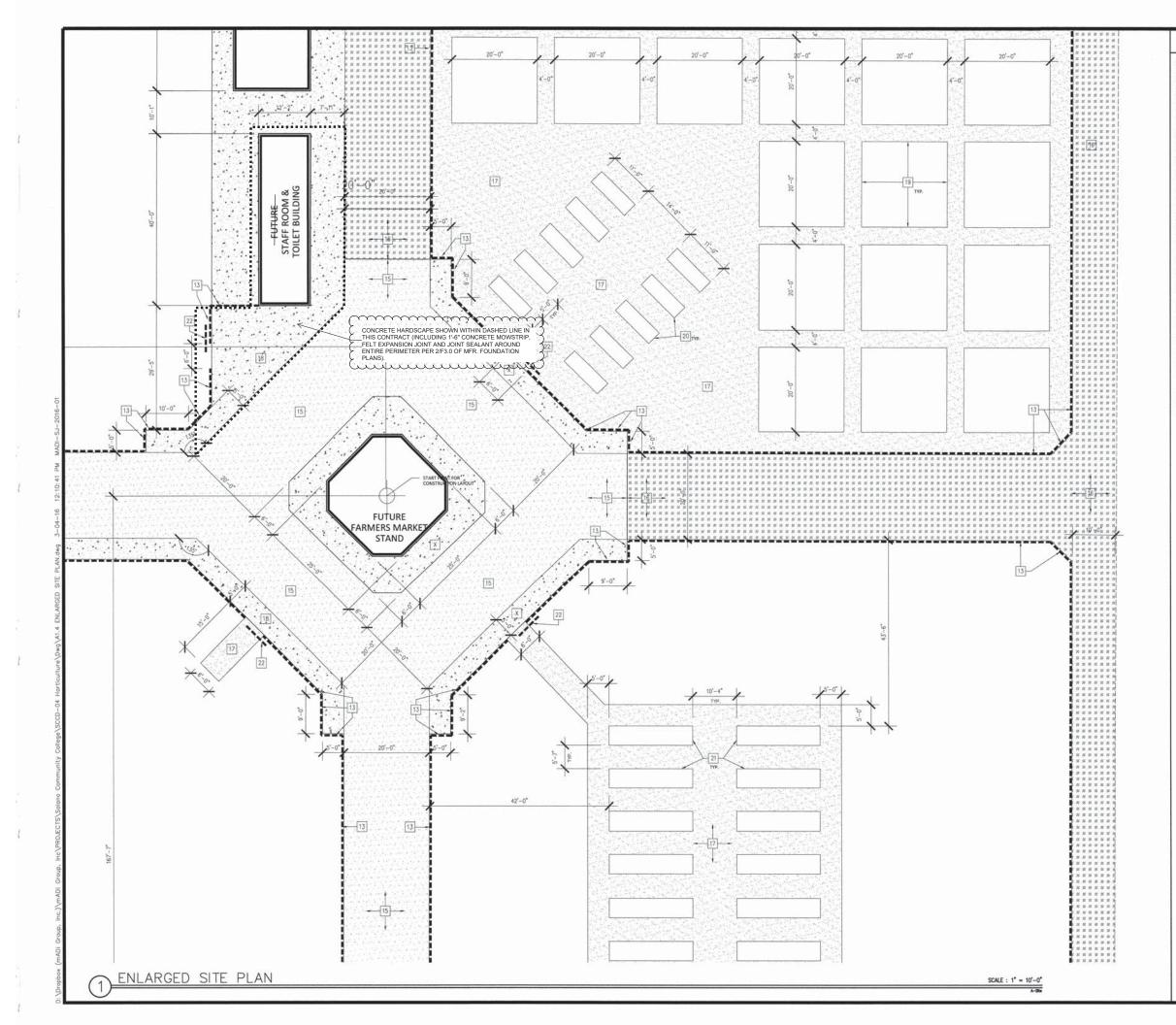
_____ ACCESSIBLE PATH OF TRAVEL (P.O.T.)

"DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THIS POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THE THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF CONSTRUCTION

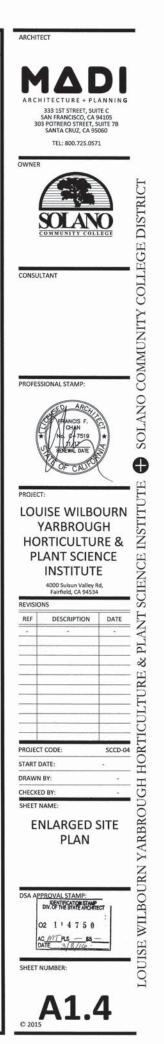
1. PATH OF TRAVEL WORK UNDER DSA APPLICATION 02-114750 SHALL BE COMPLETE FOR USE UNDER THIS APPLICATION. THIS APPLICATION CANNOT BE CERTIFIED WITHOUT THE COMPLETION OF DSA APPLICATION 02-114750





LEGEND

- 1 DEMOLISH EXISTING FENCE AND/OR GATE
- 2 EXISTING FENCE TO REMAIN
- 3 (N) 20'-0" WIDE X 6'-0" HIGH SWING GATE; SEE 68/A1.9
- 4 (N) DETECTABLE WARNING STRIPS; SEE 7&8/A1.8
- 5 (N) 3'-0" WIDE X 6'-0" HIGH SWING GATE; SEE 6A/A1.9
- 6 (N) ACCESSIBLE PARKING; SEE 1/A1.8
- 7 (N) PARKING STRIPING
- 8 (N) WHEELSTOP; SEE 9/A1.8
- 9 (N) REMOVABLE BOLLARDS; SEE 4/A1.8
- 10 (N) SIGNAGE; SEE 10/A1.8
- 11 (N) SIGNAGE; SEE 11/A1.8
- 12 (N) SIGNAGE; SEE 12/A1.8
- _____
- 13 (N) 4'-0" HIGH CHAINLINK FENCE
- 14 (N) 6'-0" HIGH CHAINLINK FENCE
- 15 (N) AC PAVING
- 16 (N) AB PAVING
- [17] (N) DG PAVING. PROVIDE REDWOOD HEADER EDGING PER DETAIL 5/A1.8
- 18 (N) CONCRETE PAVING
- 19 (N) 20'X20' PLANTERS FLUSH WITH ADJACENT GRADE WITH REDWOOD HEADER EDGING PER DETAIL 5/A1.8
- 20 (N) 3'-6"X11'-0" PLANTERS
- 21 (N) 4'-6"X20'-0" PLANTERS
- 22 (N) 4'-0" HIGH X 5'-0" SLIDING GATE; SEE 1/A1.9. PROVIDE SIGN STATING "ENTRY CONTROLLED AND RESTRICTED BY SECURITY PERSONNEL" PER CBC 11B-404.1 EXCEPTION 1.
- 23 (E) DIRT
- 24 (N) SIGNAGE; SEE 3/A1.8



SECTION 26 00 00 ELECTRICAL GENERAL REQUIREMENTS

PART 1 GENERAL 1.1 WORK INCLUDED

- umish and install all necessary labor, materials, tools and equipment to perform and completely finish the work according to the intent of this specification, and the accompanying drawings. A Euroich and install all a
- Furnish and install any incidental work which can reasonably be inferred as required and nece complete and workable systems.
- The requirements of the General and Supplemental Conditions, and Division 01 apply to Divisions 26, 27 and 28, and these specifications. All socions in Divisions 26, 27, and 28 are interrelated. Work specified in other sections, as applicable, shall pay for all work threamader.

1.2 LOCAL CONDITIONS

- Examine site: verify dimensions and locations against drawings and become informed of all conditions un which work is to be done before submitting proposal. No allowance will be made for estra expenses of omission on Contractor's part to include cost of work under prevailing conditions.
- Information shown relative to services is based upon available records and data shall be regarded as approximate only. Minor deviations found necessary to conform with actual locations and cond be made without extra cost.
- Extreme care shall be exercised in excavating near existing utilities to avoid any demage thereto. It shall be the contractor's responsibility to writing underground utilities prior to digiting anywhere. Internation provided on these plans indicaring reading conditions shall not be used as reference, and shall not be deemad considered accurate. Any damage to exolating utilities done by the contractor shall be repaired and/or replaced by the contractor at their segments to paradamage conductions.

1.3 PERMITS AND INSPECTIONS

- Obtain and pay for all permits and service charges required in installa inspections and secure approvals from authorities having jurisdicts During its progress, work shall be subject to inspection by Project inspector.
- 1.4 CODES AND STANDARDS
- Work and materials shall be in full accordance with California Occupational Safety Health Art (CAL-OSHA), California Electrical Code (CEC), State Fire Material, Electrical Safety Orders (Tifte & Succhapter S), the National Fire Protection Association, California Building Code (CEC), California Ocder Aleguations. Tifte 44 and other applicable State or local laws or regulations. Nothing In the Drawings or Specifications shall be construct for permit work not conteringing to these codes.
- Electrical materials shall bear the label of, or be listed by, the Underwriter's for which label or listing service is not provided
- Na which seeks of long particle is no provided. Materials and components shall conform to industry Standards, Including: NEUA National Electrical Manufacturer'Association ANSI American National Standards Institute ASTM American Society For Testing Neterial Association IPCRA Insulated Power Cable Ingineer's Association
- When Contract Documents differ from governing codes, furnish and install larger size or higher standards called for without extra charae.

REVIEW OF MATERIALS

- There is a memory and the second of the second of the second of the second of the second and there are and the second and the
- ubmittal No.
- Submittal Name: Date:

- Specific parts...
 Specific parts...

 Page() Manufacture
 Model No.
 Detail No.Description

 1-32
 XYZ Cop
 123AC
 2.5
 Control panel

 13.14
 XYZ Cop
 123AC
 2.5
 Control panel

 13.34
 XYZ Cop
 123AC
 2.5
 Control panel

 13.34
 XYZ Cop
 123AC
 2.5
 Control panel

 15.47
 Contex
 PVC-40
 2.1
 PVC conduit

 15
 Seel Cory
 XYZ series
 2.3
 Seel Rindpa

 p4 savings submittake shall be nest and prefersionally done using CAD Computer alded drafting).
 Anard-arean values to be performed and be complete including device/aquipment boations, wire site, wir byses and number of wires, myholl in to rigend, politor-opiet connections, wing diagrams, and equipment anchorage detail where needed.
 Shop drawings shall utilize the same size paper as the Biol plane.
- usuums: non request for substitution will be considered on each item of material or equipment. No substituti will be considered thereafter. Substitutions will be interpreted to be all manufacturers other than to specifically listed by model or catalog rumber. Should the original submittal of a proposed substitu be rejected, the specified item shall be furnished.
- De rejected, he specified new shall be fumided. In enoughes information or casing data to show equality of equipment or material offered to that specified, identify which product is being substituted in the specifications and/or the plans and provide marking is including either 81 "Compilies" or that 81 "Does Net Compil' and populary areason. Each Specification paragraph shall be provided with this analysis. No substitutions will be silowed unless requested and agrouved in writing. Autoritis of equilment and agroursnot, the option of the Engineer, will be approved for true. Engineer reserves the right to regular originally specified team. expension of a substitute is not to be considered ar eleast from the Specifications. Any deficiencies is an item, even though approved, hall be corrected by the Contractor at his expense. ponsibility for intralition of approved ballitution is include-thereis. Any deficiencies is an item, or any advective statution of a sported solution is include thereis. Any deficiencies is an item of approved substituted equipment shall be made without additional cost to Owner.
- here it is in the best interest of the Owner, Engineer may give written consent to a submittal received after expiration of designated time limits, or for an additional resubmittal.
- bmit for approval in simple time to avoid delay of construction, shop drawings or submittals on all items of equipment and materials covered in list mentioned above. Submit in accordance with General Conditions in a complete package, partial submittals will not be considered.
- Failure to comply with any of the preceding requirements will necessitate that the specified materials be submitted and supplied.

6 RECORD DRAWINGS

- Upon completion of Work, furnish Engineer with AutoCAD file, PDF file, and one printed full size hardcooy upon which phall be shown all Work installed under contract including any Work which are not in accordance with Original Contract Chewings. AucOAD files shall be 2004 or larer vision, which earer al desamets bund to its parent drawing. Provide a separate POF file for each sheet, do not combine all sheets into a single file. Funnish digutal lites on a 108 flash live or CD.
- The above shall also include shop drawings.
- All symbols and designations used in preparing Record Drawing shall match those Show all buried and concealed conduit, stub-outs, etc. Locate all buried conduit and stub-outs by dimensions from permanent, easily located and identifiable portion of structure; also, dimension ends of stub-outs, etc Note depth of buried items below grade.
- ADDENDA AND CHANGE ORDERS
- Changes in the plans and specifications shall be made by Addenda or Change Orders signed by the Engineer.

ART 2 PRODUCTS 2.1 MATERIALS

- Materials mentioned herein or on drawings require that each item listed be provided and of quality noted, or an approved equal. All material shall be new, full weight and standard in all respects and in first-class conditions. Where possible, all materials used shall be of the same brand or manufacturer throughout for each class of material or equipment.
- Grade or quality of materials desired is indicated by trade names or catalog numbers stated herein. Dimensions, sizes and capacities shown are a minimum and shall not be changed without permission of Engineer.
- ART 3 EXECUTION

DRAWINGS AND COORDINATION

Examine Drawings and Jite, Se familiar with special of conclusion where electrical installation is involved. Work, shuft be constrained in a weinvalue in a wein an involved with the standard of installation. Work shuft be constrained with other trades to work conflicts. Cardinations will be made the Engineer and minor adjustments shuft be made without additional cost to Neuro. Obtain milling from Engineer concerning any obvious discrepancies or omissions in work teffore bidding. All work involved in contracting obvious errors or omissions after avaid of Contract shuft be performed and addresed by Engineer without additional cost to

ayouts of equipment, accessories and wiring systems are diagrammatic (not pictorial), but shall be followed an closely as possible. Drawings and Specifications are for assistance and guidance, and exact locations, distances, lweik, etc., will be governed by Sine.

C. All equipment (devices, conduits, boxes, etc.) shall be flush or semi-flush mounted unless otherwise noted. Where conditions do not allow flush mounting and where acceptable to the Architect, equipment may be surface mounted. 3.2 WORKING SPACE

- ovide adequate working space around electrical equipment in compliance with Article 4 of Bectrical Safety Orders, In general, provide 36 inches minimum clear work space in front of panelboards and controls of 120/208 with outcome. A. Provide adequate w 3.3 CARE AND CLEANING
- A. All broken, damaged or otherwise defective parts shall be repaired or replaced without additional cost to Owner. Work shall be left in a condition satisfactory to Engineer. At completion, carefully clean and adjust all equipment, finances and trim installed as part of this work. Systems and equipment shall be left in a satisfactory operating condition.
- B. All surplus materials and debris resulting from this work shall be cleaned out and removed from site; this includes
- 3.4 EXCAVATING AND BACKFILLING
- A. Excavate and backfill as required for installation of electrical work. Restore all surfaces, roadways, sod, walks, curfs, walls, existing underground installation, etc., cut by installations to original condition in an acceptable manner. Waintain all warrings gisps, barricades, finers and intertors as required by the Safety Orders and local
- Excavation: Dig trenches straight and true to line and grade, with bottom clear of any rock points. Minimum conduit depth of pipe crown shall be 24 inches below finished grade.
- Central regions oper consists with 2° and bedding at bottom of trench. Provide and backfill from bot below finished grade. The top 12° to be local fine earth material free of nubble, rubbish or veget shall be backfilled and compacted to 50% (per ASTM D1557) of maximum dry density at optimum context in layers not to exceed 6° when compacted.
- 3.5 PROTECTION
- A. In performance of work, protect work from damage. Protect electrical equipment, stored and installed, from dust, 3.6 EQUIPMENT IDENTIFICATION
- A. Particlearchip enrote control transforms, terminal lowes, etc., shall be properly identified with a destructive memory international transmission and an enrormatic state of the state between the termina-state of internet shall be by the inch high for exagement in device how to how 12° or smaller, and 12° inch high for panelbaser, it eminal can, on using terminal, state and the memory enrormation of the anti-and cardioliders in any form are not acceptable. Nameplates shall be attached with oval head machine screws tapped intorest panel.
- Indicate type of equipment and equipment designation, ex. "PANEL-XXX", "MAIN SWITCHBOARD-XXX", "TRANSFORMER-XXX", "SIGNAL-XXX", "TV-XXX", "EF-1", "AC-1", etc.
- 3.7 RUST INHIBITOR
- A. Channels, joiners, hangers, straps, clamps, brackets, caps, ruts and bolts and associated parts shall be p electrolytically with tinc followed immediately thereafter by treating freshly deposited circ surfaces chromic acid to obtain a surface which will not form a white deposit on surface for an average of one twenty (120) hours when subjected to a standard sait spray cabinet test, or shall be hot dipped galva 3.8 EQUIPMENT PADS
- A. Concrete reinforced pads for mounting of equipment (Le. switchboard, transformers, freestanding panels shall be minimum 3000ps), 6⁺ thick with R4 rebars at 12⁺ on center each way. Rebars shall be centered Pad shall extend 2⁺ beyond equipment and 1.5⁺ slowe surrounding area. Backfill and compact to 95% dry denity at optimum mouture content in layers not to exceed 6⁺ when compacted.
- 3.9 EQUIPMENT ANCHORAGE

Seismic Anchorage of Electrical equipment chall conform to the regulations of 2010 CBC (California Building Code) and ACGT 7-05, sections 13.3, 13.4, and 13.6. All equipment shall be braced er anchored to resist a horizontal force acting in any direction using the following partners: The total design. Intern Lasine force shall be determined from section 1514A of 2010 CBC and 13.3 ASCE 7-05. Forces shall be applied in the horizontal directions with results in the most rical lasing for design.

- The value if Ap (component Amplification factor) and Ap (component response modification factor) of section 13.3.1 ASCE 7-05 shall be selected from section 13.6-1 ASCE 7-05. The value of ip (seismic importance f shall be selected from 31.3.1 ASCE 7-05. Where anchorage details are not shown on the drawings, the field installation shall be subject to the approval of the structural engineer and the field representative of the Office Of The State Architect.

3.10 ARC FLASH

- extrical equipment such as switchboards, panelboards, load centers, motor control centers, industrial control panels, meter centers shall be field marked to warm persons of potential electric are flash haards per CIC 110.16 and NFPA 70E Standard for Electrical Safety in the Workplace. Minimum label wording shall be as follows: DNVCR
 - DANGER Arc Flash and Shock Hazard. Appropriate PPE Required. Do not operate controls or open doors without appropriate personal protection equipment. Failure to comply may result in injury or death.

- 3.11 TEST A. Test all wiring and connections for continuity and grounds; where such test indicate faulty insulat defects, locate, repair and retest. Balance loads at panelboards. Furnish all testing equipment.
- 3.12 CLOSING OF AN UNINSPECTED WORK
- A. Do not allow or cause any of work installed hereunder to be covered up or enclosed before it has been inspected and approved.
- B. Should any work be enclosed or covered up before it has been approved, uncover such work and after it has been impacted and approved, make all repairs necessary to restore work of others to conditions in which it was found at time of curring, all without additional cost to Owner. 3.13 WARRANTY
- A. All materials and installation shall be provided with a one (1) year warranty which shall include replacement parts, labor, retesting, and travel to and from the job site. The warranty period shall begin after final acceptance of the project. The warranty shall cover but is not limited to the following:
 Defects workminiship and installation.
- Detective workmanship and Installation. All System components, devices, conduit, wires, etc.
- Manufactured items such as receptacles, panelboard, etc. Basic materials such as conduit, wires, boxes, cabinets, etc.
- Certain manufactured items will have longer warranty periods. Refer to specific item and specification section for warranty information and terms.

END OF SECTION

SECTION 26 05 00 BASIC MATERIALS AND METH

PART 1 GENERAL 11 SCOPE

- The work of this Section consists of basic materials and methods for all work included under Divitions 26, 27, and 28. Additional specifications requirements for electrical work are specified under other sections of Divisions 27 and 28 and where those requirements of lifter from the requirements of this Section, they shall govern. A. The work of this 5
- 1.2 SUBMITTALS A Submit product data per Section 26.00.00.

PART 2 PRODUCTS

2.1 CONDUIT

A. Rigid Steel Conduit: Standard weight, mild steel pipe, tinc coated on both inside and outside by a hot dipping or sherarditing process. Inside and outside of conduct hall be finished with a protective coating. All threads glivinized after cutting. Mees U.K. p.U. Cart 407X, and ASIS CO.1.

- ntermediate Metallic Conduit (IMC): Intermediate weight, mild steel pipe, meeting same requirements for finish and material as rigid steel conduit. Meets UL 1242, UL Card #DYIX, and ANSI C80.6.
- Inetrical Metallic Tubing (EMT): Cold rolled steel tubing, hot-dipped galvanized, with disc coating on outside an protective lubricating coating on Inside. Fittings shall meet same requirements for finish and material as EMT Meets UI, 279 and AMSI CBU.3.
- D. Flexible Conduit: UL Listed. Flexible steel, zinc coated on both inside and outside by hot dipping or sh ensities Conduct: UL Later. Freedom Ereberg, zene Conder on noom neuron and occurator for to paper or internative process. Liquid later conduit shall be glanniated with enterlated polying (contrast later that connectors, surgight resistant, direct burlar later. Freshler steel conduct less than 127 shall not be sudee that 328' shall be permitted in neight not in excess of 6 sets as part of a state samethy or for tap connec to lighting. Tabures as required in CEC Section 410-67(c). Flexible conduct to be one continuous length, no couplings. AFC (using 1-110) Flexible. Tabures after that and AFC Reduced MII Reads Basel Conduct, or equal.

C Conduits per 40, 90C, U. linted, composed of poly-link chloride, conforming to MEMA TC-2, Fed Spec WCL094 Standards. Material shall have minimum tenidis strength of 6,500 pp at 73.47, Berural strength 12,500 pp and norpressive strength of 900 pp at per ASTN testing. PVC-onditi shall be usual direct burial without concrete encasement. Fittings shall be of same manufacture. All joints she without minimum Type 80, similar to type 40 except with extra heavy wall.

A. Covers: Covers shall be reinforce concrete with hold down bolts. Where susceptible to vehicular traffic, use H_2D rated traffic cover. All covers shall be factory marked, see drawings for marking/label required. If not noted, use the following markings:

Instantance:
 Excavite around area to accept box, a minimum of 4^a around all sides for ease of installation. Provide 12^a of compacted pag gravel for bedding and/or to findituse drainage.
 Backfill shall consist sand or fine earth, compacted. Seturated soil or large rods shall not be used. No voids shall remain between wells and nules soil.

E. The metal covers of lighting and power pull boxes shall be ground bonded to the circuit grounding conductor(s) in the pull box. The size of the bonding conductor shall be the same size as the

A. Backboards shall be 3/4" plywood, type A-C grade fire treated for interior use, and type Exterior for outdoor use. Backboards located outdoors shall be provided with one cost primer and tu of exterior paint. Backboards in terminal cabinets shall be same as for interior use.

Provide engraved plastic label per section 26 00 00. Label shall identify the type of cabinet and designation, example "FIRE ALARM - FCA" and "EXTERIOR LIGHTING - RA".

A The surface reservery system for basehol circuit wining and/or data meteority, vicios, video and offer indicated on the galaxy. The reservery and all system compounds that the UL listed and exhibit non-farmable self-extrapolating characteristics. The reservery shall be a two-deter design with a base and a map-on cover.

The nonmetallic raceway base and cover shall be manufactured or rigo Avc. compound, available in Nony color. Exposed cut is shall be covered with cover clps.
 The metal raceway base and cover shall be manufactured of galvanized steel, ivory finish and suitable for field painting.

8. A full complementary of fittings must be available including, but not limited to flat, internal and external albows, tese, enfance fittings, boxes, covers, adapters, cover cigb, and ed caps. The fittings halls base and cover, and be of matching colors. All fittings halls be supplied with a base where applicable to eliminate mittering. A transition fitting shall be available to adapt to other Witmedd series raceoways. Field col shall be clean, statige, and for with no receipt edges.

C. For motionerse research size such state to crean, stratight, and that with his proght-edges. C. For motionerse traceway, a vice trackets allow the similable for motioning standard device and the strategies from the reactively. A divide lackate shall be available for motioning standard device devices and base to hide uneven cuts. They shall match the receively base and cover. The racew manufacture will provide a councilet is non-raceway base and cover. The racew manufacture will provide a councilet is not one council and device data interfs for UPI to data jacks). 37P (150 cm). Ther Optic, Coxial and other cabing types with the plates and the for cover and base to hide uneven council and other cabing types with the plates and be facilitate mounting.

cover plates shall be smooth nylon type. Cover plates for other devices/outlets hone, television, etc. shall be nylon. Cover plate color shall be ivory, matching all

D. Work shall include furnishing all raceway and appropriate fittings and device plates to nonmetallic surface raceway system. Installer shall comply with detailed manufact sheets, which accompany system components as well as system instruction sheets.

All conduits shall be rigid steel or IMC except EMT may be used at following locations: In dry locations in concealed furred spaces.

or exposed work indions except: s special locations prohibited by Code, such as hazardous locations, rigid steel shall be used. oncluits exposed on/above the roof shall be rigid steel up to 10 h above roof surface. locecealed above suspended cellings or cellings directly attached to structure above.

C. Nun conduit conceased in areas having finished ceilings and in wells. Run all cross conduits and of risers or drops conceased in wall and/or particloss. Should it he necessary to nech any frami members, male such nechting only at locations and in a numer as approved by the Architect Where concealing conduit is not possible or practical, conduit may be run sepored in areas or where is perimeted by the Architect. Install exposed conditir run maily junited for at right.

Conduits installed in contact with around shall be PVC 40 conduit.

Provide a separate bonding conductor in all flexible connections/conduit. Flexible conduit shall be one continuous length without couplings.

Support conduit with straps and secure to wood structure by means of bolts or lag screws, to conc by means of insert or expansion bolts, to brickwork by means of expansion bolts, and to hollow masonry by means of toggle bolts. Expanders and shields shall be steel or malieable iron.

Conduits Installed In constat with pround shall be PVC_60 conduit.
 Provide a minimum 2⁻¹ of and bedring at the bottom of the tench before laying conduits. Nainstain 2⁺¹ separation between conduits. Mainstain 12⁺¹ separation between power conduits (120 Volts and 200 Voltage) and low voltage signal conduits.
 Balance and the vol

with endbells. In installing underground conduits to specified depth, depth shall be taken from the top of the conduit to the finished grade level. Unless otherwise specified, underground conduits outsid foundation line shall be installed with top side not less than 24th below finished grade. minimum site of conduits outside the foundation line shall be 1th.

The minimum size of conducts outside the foundation line shall be 1⁻¹.
 Bendis shall be vide servejarg type with minimum 24 vide that shall be braft.
 Mandisaturei dibows are required to be used for all 22.5 and 45 digree bends, and 90 degree tibows, and combanistors thereof. Table bends may be used for other bands with approved field benders specifically for such purpose and such bends shall not compromise the integrity and normal theorems of the codel water.
 For all terrolship provide a first wide bendergravable meta-detectable polycethriders tage 12⁻¹ below provide the distribution of the IDBN BELOW². Havereare not for detecting power conducts and fluorestor reage TELECOMMUNICATIONS⁴ to resphone and agrain conducts. Use Fluorescent read for cardinators. They shall be continuous for full length of terrols.

Support individual conduits with 2-hole steel straps. 1-hole steel straps may be used for conduits 1° and smaller concealed in wall or above cellings.

Individual conduits 3/4" and smaller run above wire suspended cellings may be supported from independent hanger wires with approved spring steel dips. Wire this will not be acceptable. Wire shall be tauk and secured to celling and structure above.

Support multi-parallel horizontal conduit runs with trapeze type hangers consisting of two or more steel hanger rods, cross channels, i-bolts, clamps, etc.

Sizes of rods and cross channels shall be designed to support four times actual load. Hanger rods shall have safety factor of S based on ultimate strength of material used.

K. Conduits for data, telecommunications, signal, video, TV, and/or containing fiber optic, coasial, or OSP (outside plant) multi-pair cables shall have a minimum incide bend radius per CEC Table 346-10 (do not use exception); escept that conduits 2" to 4" shall be minimum 24" radius bends.

L After installation of conductors, all conduits routed below grade shall be sealed at each opening, including risers and in pull boxes, to prevent the entrance of water and debris.

Relocatable (Portable) bilidings:
 Where buildings not secured to a permanent foundation, conduits connecting to homable Buildings which is a secure of the secure and the secur

Relocatable (Portable) Buildings

G. Galvanized iron hanger rods sizes 1/4" diameter and larger with spring steel fasteners, clips or clamps specifically designed for purpose for conduits up to 1" size may be used.

A. Terminal, relay, and contactor cabinets shall be code gauge, size as indicated with appropriate trim for mounting as indicated, with hinged door and cylinder type locks. NEWA-1 for indoor use in dry areas and NEWA-38 for outdoor user in well locations. Surface mounted cabinets shall not have knockeuts. Provide backing plate/board for mounting equipment. Clinie A, W or equal.

Electrical

Signal, etc. Signal Fire Alarm

Ughting

Grout and seal conduits at box entry with cement. Provide with conduit end bells.

SYSTEM

re Alarm

Lighting

2.9 BACKBOARDS

2.11 GROUND RODS

2.13 COVER PLATES

A. Switch and receptacle such as data, telepl systems.

in partitions. For exposed work inde in special locations pro-

Where concealing cond where so permitted by to structural members.

PART 3 EXECUTION

3.1 CONDUITS

TERMINAL CABINETS

A. Ground rods shall be 3/4 in dia. x 10 ft. copper clad steel

SURFACE METALLIC AND NONMETALLIC RACEWAYS

bows/bends shall be used. Where field bends have to be made, obtain prior approva Doly manufactures e-by the engineer.

Raceway Fittings:

5. Bushings: Metall insulated th

2.2 BOXES

2.3 WIRES

C. Color coding to be as follows:

Phase A Phase B Phase C

Neutral

Bring wire to job in original u of wires.

8. Provide devices with matching plates.

2.4 CONVENIENCE OUTLETS

2.5 PANELBOARDS

208/120 Volts Black

White Green

wer Minge: Beel Conduit: Fittings, such as couplings, connectors, condulets, elbows, bends, etc., shall be subject to same requirements as for rigid steel conduit. Couplings and unions shall be threaded type, sasembled with anti-correction, conductive and size compaund a j joint mode absolutely glub to exclude water. Connectors shall be threaded hubs with bonding insulated metallic bushings. Unions shall be equal to Crouse initist UNP of UNF.

All box connectors to be insulated threat type.
 Conduct Strap: Galvanized steel, 2-hole straps. 1-hole straps may be used for conduit sizes 1st and smaller concelled in will or above celling.
 PVC Conduit: Fittings shall be same grade of material as conduit, solvent welded to conduit.

Garvaited one-piece or weided pressed steel type. Boxes shall be at least 1-3/2* deep, 4* square for 1 or 2 gang devices, with plaster rings and gang box with gang covire. Boxes mounted in with any source board shall be turnished with 3/4 see plaster rings. Use screwa and not null also to turnishe with 3/4 devices.
 Fager and 2.2 gain gouint and junction boxes installer devocation board shall be turnished with 3/4 see services and not null also to turnishe board. Also the function board shall be turnished board board between the special board without devices.
 Fager and 2.2 gain gouint and junction board shall be devocation board shall be wetthergroof type 53, F0, 2.
 Provide 18/2 engineement growting pigulat shall obta board. Plag all usuad holds.
 Provide 18/2 engineement growting pigulat shall be at which all be 41/16* square s.2.125* deep.
 Outet boars containing 88, 60, or 44.NWG wires shall be a minimum 2.15* deep per CEC.

Junction boxes located outdoors, or in wet or damp locations shall be rated NEMA-3R, with hinged door and pad-locking table.

A. Wire shall be copper only, manufactured by General Cable Co., Rome, General Electric Co., or Anaconda. Wire shall be rated 50 degrees. C for both day and wel location. THVM-2, XVHV-2, arXHV-2 insulation. 90 degrees. C TVHH may be used in day and dam locations. Wrier Installed in Might temperature areas, including branch circuits in or above rood insulation or in fluorescent bullast channel, shall have type IMM 2 or XVHV-2 90 husbless.

ders sized #2 and larger routed below grade, extending beyond or outside the building foundati shall use types XHHW-2, THW-2, or RHW-2 insulation, 90 degrees C dry and wet rated.

We shall be Code type copper wire of not less than 98% conductivity. Where Blagage and leggers, shall stranded. Wires shall bear the Underwitten' label, be color coded and be marked with grape, the manufacturer's name on 24° centers, Wires smaller than 88 may be sold or stranded. Where strande wire 's used, provide sold gigall for connection to screw terminals of neoptacles, switches, etc.

A. Shall be "Specification" grade rated 20 amperes at 125 volts, duplex, composition base with slots to accommodate parallel plug caps with grounding pag. Contact shall grip both sides of plug prongs. Outlet shall be UL listed. Recordactes to be Nubbell or equal.

A. Panelboards shall meet NEMA AB-1, PB-1, PB

equipment at not a corpusition. Faines shall have full neight sky stead busing. Circuit breakers shall be bolic on type immain imagents; stagle opti and multipade for branch circuit control with trig-rating parametenty marked on the handle. Where trig-rating is not marked on the handle, provide ergored blasel adjecter to the tracker indicating approgram (rate, Mathoebi headlers), provide ergored blasel adjecter to the tracker indicating approgram (rate, Mathoebi headlers), hall be acceptable. Bills will not be a coopted except where used with multi-wire branch incluits through hoursessen (Bighting Rhuters, All circuit breaker handlers abla be exployed multipade hoursels), "lock-off" device. All circuit breakers shall be fully rated to withstand the winklade short circuit current as designates on the distander. Series rated explorational will not be cospitable.

on the trainings, series instead supportant, we need accupations. Front trim hall be equipped which concelled trim clamps and concelled door highs. Endosures shall be read VBM-1 at 10 yindoo losations, and VBM-31 Where losated voxobors in deap or well concellus triand VBM-1 at 10 yindoo losations, and VBM-31 Where losated voxobors in deap or well concellus claphing and appliance (branch circuit Panelboards dual be maximum 30° while and 6° deep. Panel trim and deap or table and triangle and triangle and the series of the ser

Panetboard submissions shall include a ladder diagram, physical and electrical data, numbering and trip rating
of each circuit breaker. Panelboard shall bear the UL label of approval.

E. Panelboard types as indicated on the drawings shall be the minimum size and type. Provide a larger size and type of panelboard as necessary for the breakers and features/accessories as indicated.

G. Panel nameplate label shall identify panel, minimum A/C rating, and equipment it is fed from, example as follows, "PANELXOC, MAX, 22,000 A/C, FED FROM YY?". Where fed via a transformer, is shall read, "PANELXOC, MAX, 14,000, CL, FED FROM YY? HEU/TRANSF222". Label shall be engraved plastic per section 28:00 00. 3/2 inch letters for panel identification.

Circuit breakers shall be molded case thermal magnetic type with trip rating as scheduled on drawing

Circuit breakers shall be quick-make, quick-break, trip free operation. The trip-free mechanism shall be independent of manual handle control. All circuit breakers shall be fully rated to withstand the avail short circuit corrent as designated on the drawings. Series rated equipment will not be acceptable.

C Braskers to be in NLMA-1 (indoor) or NLMA-38 (damp, wet, and outdoor) enclosures. NLMA-38 enclosure shall have the handle concease/a behind the cover, and the higged over shall be provided with galded table. Bed: nctoil breaker shall be identified with a negreed, limitated penholic galter behaving the lo served or the function of the circuit breaker and trip rating. The namepiate shall be attrached with oral hand machine serven stapped into the funct of the beacer. Explorement and machines with addocting "Bock-ment of the server stapped into the funct of the beacer. Explorement and machines with addocting "Bock-ment of the server stapped into the funct of the beacer." Explorement and machines with addocting "Bock-ment of the server stapped into the funct of the beacer.

Furnish and install pull line in all unused (empty) raceways. Pull lines shall not rot or mildew.
 Conduits up to 1.5": J/8" diameter braided line of polypropylene with 200 lbs. tensile strength, IDEAL, Jet-Line 8232, or equal.

2. Conduits 2* or larger: 3/15* polypropolene pull rope with 800 lbs. tensile strength, IDEAL Pro-Pull or equal

A. Boxes shall be site as indicated on the drawings. Design loads shall consist of live, doed impact, hydrostatic, and other loads. Live loads shall be for H20 and/or H20516-44, or as required, per AAS1H0, standing specifications for hydrony tricing with revision. Experimentation testing, Sciences shall be per ASTM-C3546-44, Eqtivereight concrete shall conform to ASTM-C3546-14. Eqtivereight concrete shall conform to ASTM-C3546-47. Coment shall be Pertilined Center methods. The conformation of the Pertilined Center and the Categories and the Pertilined Center and the Categories and the Pertilined Center and the Categories and the Pertilined Center and the Pe

B. Boxes: Precast high-density reinforced concrete with end and side knockouts, and extension as required. Minimum 1.5" wall thickness. Acceptable manufacturers shall be Forni. Christy or equal.

F. Circuit breaker arrangement shall be per the panel schedule.

2.6 INDIVIDUAL CIRCUIT BREAKERS

2.8 PRECAST CONCRETE PULLBOXES/HANDHOLES

2.7 PULL UNE

C. Equipment furnished by other trade but require electrical connection shall be provided with appropriate backbox.

G. Metallic conduits, raceways, and fittings shall be listed and approved as a grounding mean

- Fittings shall be as specified for rigid steel conduit. 3. EMT: Fittings shall be steel, box connectors shall have insulated throat. Connectors and couplings to be
- compression type. We Metallic Conduction Connectors to be insulated. Metallic connectors (incese for liquid-tipht) shall be stell "questers" type via a convex, stell CDy XG-90X cand XG-49X series. Liquid-tipht metallic connectors: whall be watering beyond for acuto use. Weather series the sported for acuto use. Metallic insulated type. Weatherpool or clust-tipht installations: liquid-tipht with sealing ring and liquid-tipht acutometallic connectors: whether acutometallic connectors: mixings: Metallic insulated type. Weatherpool or clust-tipht installations: liquid-tipht with sealing ring and liquid-tipht acutometallic connectors: a context of acutometallic connectors: mixings: Metallic insulated type. Weatherpool or clust-tipht installations: liquid-tipht with sealing ring and mixings therace. Diversity of the therace of the context of the cluster of the

onduits not terminated into a box or cabinet, such as stubbed to a backboard, shall be terminated with an insulated bushing. Bushings for metallic conduits shall be metallic type secured by set screw, compression, or threaded type. Bushings for PVC conduits shall be glaced in place.

 Although circuiting is shown as diagrammatic, their point-to-point destinations and their indication of ab ground router shall be followed as much as possible. Where site conditions dictate that an alternate moting will alleviate conditics, the alternate means will be considered with prior approval by the fingin P. Horizontal runs of conduit above suspended wire law-in cellings shall not be less than 12° above the celling

Q. Maintain 12 inch separation between power circuits (>120V) and all signal circuits (data, telephone, speaker, clock, etc.) to prevent interference. Feeder conduits connected to panels/switchboard shall have ground lug bushing connected to equipment ground buss with ground wire same size as largest ground wire in the panel/switchboard.

Conduits penetrating through the roof shall be secured within 12" below roof and supported within 12" of the penetration on the roof.

Where conduits cross building expansion/seismic joints provide a short length of flexible conduct (do not exceed 6 ft.) and fittings listed as a grounding means, or in locations where flex conduit cannot be used provide UL listed expansion/seismic fittings.

U. Where conduit passes through finished wals or cellings, provide steel escutcheon plates, chrome or painted as directed. Conduit which penetrate floor stabs, concrete or macony walls shall be growted and sealed water at penetration.

A. Cap conduits during construction with manufactured seals. Swab out conduits before wires are pulled in B. Cap all empty conduits below grade and in pull boxes with manufacturer's caps to prevent entrance of water and debris, attach pull string to cap.

3.3 PENETRATIONS OF FIRE RESISTIVE WALLS AND PARTITIONS

3.2 CAPPING

3.4 ACCESS DOORS

3.5 BOXES

3.6 CONDUCTORS

3.7 GROUNDING

3.8 FIELD TESTS

3.9 CLEANING

3.10 WARRANTY

A. Penetrations of protected opanings (fire rated walls, cellings, floor cellings, roots, etc.) shall be protected in accordance with the California building Code, Part 2, Chapter 7, Title 24. Penetrations shall apply to conduits (raceways), cable trays, boxes, cablents, panels, cables, etc.

B. Fire stopping shall be provided at penetrations of fire resistive walks, floors, crilings, floor colling assemblies, and roofs. Fire-stopping shall have a "P and/or "P rating a determined by tests conducted in accordance with ASTME Eld or UL-1279. The stopping system invariants shall be cl. U.Labed.

Dia Auctionation distall access doon wherever required whether shown or not for easy maintenance of electrical systems, for example, inaccessible areas and attics containing heat detectors, junction boxes, etc. Access doors shall provide for complete removal and replacement of equipment. Provide fire rated access doors where located in fire rated partitions.

24 sources with the second of the second termine permitting or screwer to meta study. Plant well with nut inhibitor. Outliet boes with receptacles: Provide a solid piging (green) pround with grounded to the metallic outliet box. Pigtall shall also pround device and separate ground conductor if available. Size of ground wire to match overcurrent protection.

Install pull boxes or junction boxes as required in accessible spaces but do not install in finished areas unless approved by Architect.

C. Where fire rated construction is required (refer to Architectural Drawing), do not locate electrical outlet boxes back-to-back. Provide a minimum of 24th horizontal separation between outlet boxes on opposite ide of the same will. Where such restrictions cannot be met, provide fire-stopping around box such as 3M Moldable Putty Pads or equal.

D. Boxes up to 200 cubic inches located in suspended wire ceilings may be supported through an independent hanger wire with approved tension clips. Wire shall be taut. Secure wire to the structure above and the ceiling below.

6 CONCOLOGING 5 Genesation of the second Nuctor splices below grade shall meet ANSI C119.1-1986 and UL 486D Standards. Raychem WCSM or PCSM heavy wall heat brink tubing: or RVG or RVC series if use of flame heat is prohibited. Conductors to be job with compression seleve connectors.

8. Use only UL approved wire pulling compound as lub

C. Lace conductors together with waved linen lacing cord, T & B "Ty-Rap", Holub "Quik-Wrap" or equal, in a nest and workmanlike manner in panelboards, wireways, raceways, pull boxes and similar locations. D. #12 AWG wire shall be minimum size wire used for power circuits

E. All conductors shall be in conduit unless otherwise indicated.

Conduit sizes shall be based on code fill table for THW insulated wires to accommodate the number, size, and type of wires shown or specified.

G. Wiring installed in pull boxes or junction boxes, where wire is pulled through without terminations (except sp shall have a service loop around the interior of the box for 360 degrees utilizing the largest circumference.

A. Grounding and ground bonding of the electrical installation shall be in accordance with CEC Article 250, and any applicable codes. Ground Ittings shall be approved manufactured type, installed and connected to conform with Code regularization.

B. Neutral conductors and noncurrent-carrying parts of equipment at each installation shall be grounded in accordance with applicable code. Ground conductor shall be copper having a current capacity sized in accordance with CEC. C. All equipment cases, etc., shall be completely grounded to satisfy requirements of CEC. Install bond wire in floxible conduit. Install cooper bond wire, sized in accordance with CEC, in all nonmetallic raceways and bond to all metallic racts using approved fittings.

D. Each building shall be provided with a grounding electrode connected to the metallic enclosure of the building disconnecting means. Grounding electrode conductor shall be sized per CEC table 250, 66.

E. Total ground resistance shall not exceed 25 ohms.

F. All connections shall be made with solderless connectors or molded fusion-welding process.

G. Ecujement grounding conductors shall be invalued with a continuous green outer finith along its entire length. Conductors sins #4 AWG and larger may be lengthed within green extericulat para papelosi half-lapped it sech end and at every point where the conductor is accessible. Tape shall be applied from its point of entry to point of exit or terministion.

H. Insulated grounded (neutral) conductors shall be identified with a continuous white outer finish along its entire length. Neutral conductors #4 AWG or larger can be identified by a distinctive white marking (applied half-larped with white electrical target for the last 22 and longs at each end.

A. General: Perform field test in the presence of the Owner's Representative except as otherwise specified. Provide required labor, materials, equipment and connections to perform tests. Document results and submit them to the Owner's Representative. Repair or replace all defective work.

Perform insulation Resistance (IR) "Megger" Testing per NETA Standards. Submit test results. Provide testing for all feeders 100 Amps and higher.

C. Verify operation of starters and install overload protection devices sized in accordance with the motor full load current.

Each ground rod shall be tested. A ground rod which does not have a resistance to ground of 25 ohms or less shall be augmented by one additional ground rod at no less than 8 feet from each other.

A. Brush and clean work prior to concealing, painting and acceptance. Performed in stages if directed. 8. Clean and repair soiled or damaged painted exposed work and match adjoining work before final acceptance. C. Remove debris from inside and outside of material, equipment and structures.

A. All materials and installation shall be provided with a one (1) year warranty which shall include replacement parts, labor, retesting, and travel to and from the job site. The warranty period shall begin after final acceptance of the project.

END OF SECTION

MAD ARCHITECTURE + PLANNING 333 1ST STREET, SUITE C SAN FRANCISCO, CA 94105 303 POTRERO STREET, SUITE 7B SANTA CRUZ, CA 95060 TEL: 800.725.0571 OWNER DISTRIC OLANO COLLEGE CONSULTANT COMMUNITY PROFESSIONAL STAMP ANO SED ARCAN PERSONAL DIGIT SOL 0 FOFCALIFOR LOUISE WILBOURN YARBROUGH LSNI HORTICULTURE & PLANT SCIENCE IENCE INSTITUTE 4000 Suisun Valley Rd, Fairfield, CA 94534 $\tilde{\mathbf{s}}$ REVISIONS TNA REF DESCRIPTION DATE d 3 RE ULTIN

ARCHITECT

PROJECT CODE SCCD-04 START DATE DRAWN BY CHECKED BY SHEET NAME

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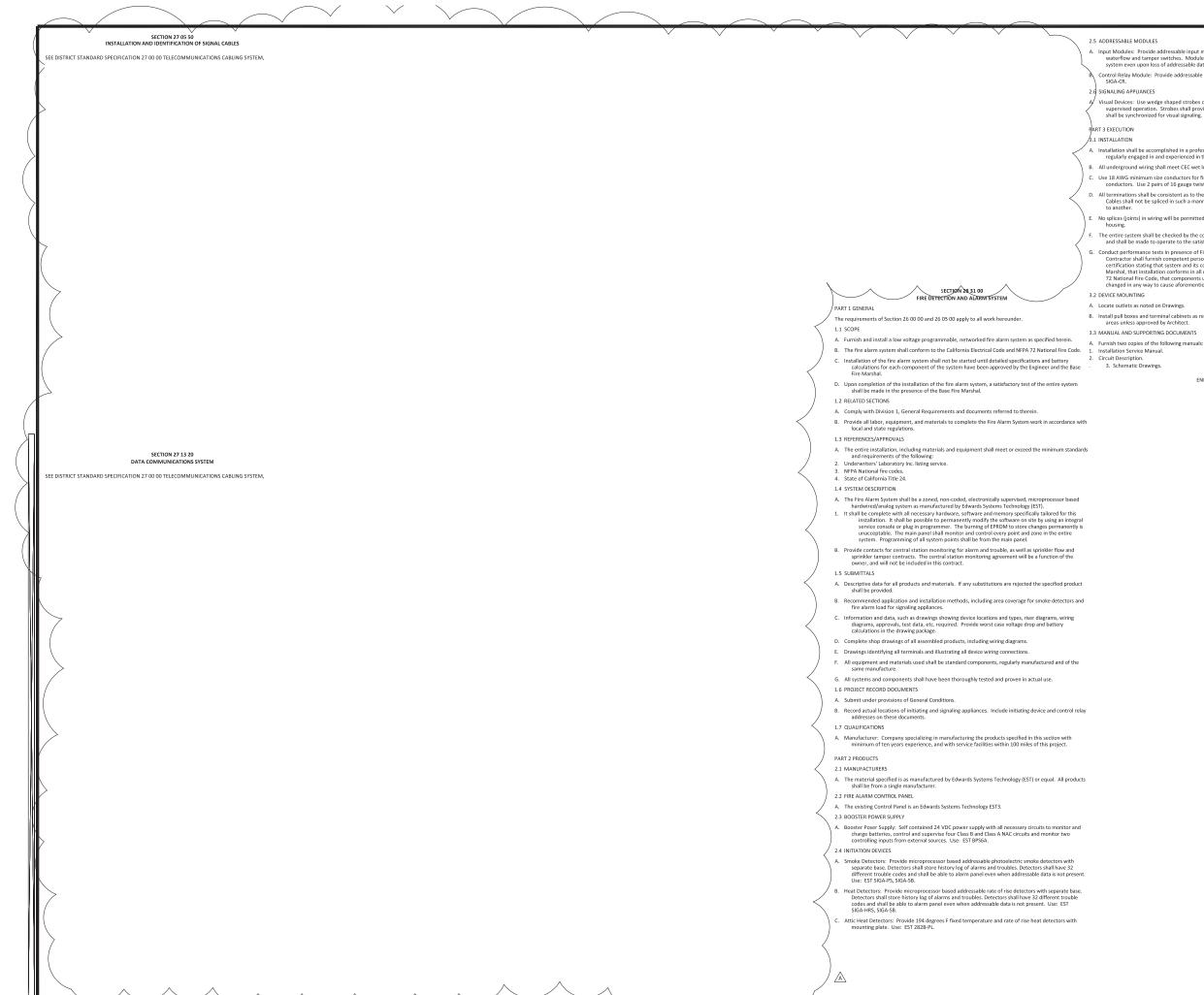
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SPECIFICATIONS

DSA APPROVAL STAMP: IDENTIFICATION M OF THE STATE 02 114923

SHEET NUMBER:

A10.5A



A. Input Modules: Provide addressable input modules for all for all normally open zones such as waterflow and tamper switches. Modules shall store and report alarms and troubles and shall alarn system even upon loss of addressable data. Use: EST SIGA-CT1.

iontrol Relay Module: Provide addressable relay module where required for remote control. Use: ES SIGA-CR.

Visual Devices: Use wedge shaped strobes clearly labeled Fire in English. Polarize the strobes for supervised operation. Strobes shall provide a high intensity flashing light (candela to meet ADA) and shall be synchronized for visual signaling.

A. Installation shall be accomplished in a professional manner by manufacturer certified personnel regularly engaged in and experienced in this type of work.

B. All underground wiring shall meet CEC wet location listing requir

. Use 18 AWG minimum size conductors for fire alarm addressable, hardwire and signal circuit conductors. Use 2 pairs of 16 gauge twisted pair for all network wiring. Install wiring in conduit.

All terminations shall be consistent as to the color of conductors throughout the system at like station Cables shall not be spliced in such a manner as to change the color code from one termination poi

No splices (joints) in wiring will be permitted except in terminal cabinets, junction boxes or equipment

The entire system shall be checked by the contractor and shall test free of opens, grounds and shorts and shall be made to operate to the satisfaction of the Architect and Owner.

G. Conduct performance tests in presence of Fire Marshal after systems have been places into operation. Contractor shall runnish competent personnel for these tests. Contractor shall submit written certification stating that system and its component parts are as listed and approved by Base Fire Marshal, that installation conforms in all respects to requirements of National Electrical Code, NFPA 72 National Fire Code, that components used (and approved circuits) have not been modified or changed in any way to cause aforementioned approvals or guarantees to be void.

A. Locate outlets as noted on Drawings.

B. Install pull boxes and terminal cabinets as required in accessible spaces but do not install in finished areas unless approved by Architect.

END OF SECTION



ARCHITECT

GENERAL NOTES:

- MOUNTING HEIGHT IS TO THE CENTER OF EQUIPMENT, U.O.N. MOUNTING HEIGHTS OF SUSPENDED LIGHT FIXTURES ARE TO THE BOTTOM OF THE FIXTURE.
- RECEPTACLES AND DEVICES INSTALLED ABOVE COUNTER SHALL HAVE THE BOTTOM OF COVER PLATE AT APPROX 2-INCHES ABOVE COUNTER OR BACKSPLASH.
- 3. CAP ALL EMPTY CONDUITS FOR FUTURE USE WATERTIGHT WITH MANUFACTURERS END CAP, WITH PULL STRING ATTACHED.
- 4. SEAL ALL EXTERIOR WALL PENETRATIONS WATERTIGHT WITH SILICONE GROUT.
- SEAL ALL WALL AND CEILING PENETRATIONS WITH GROUT, WHERE CONDUITS PENETRATE FIRE RATED BARRIERS, SEAL PENETRATIONS WITH FIRE RATED COMPOUND TO MATCH OR EXCEED BARRIER RATING.
- PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE SEALED AS REQUIRED BY CRC.
- ALL CONDUITS AND BOXES ON THE EXTERIOR SHALL BE PAINTED TO MATCH THE ADJACENT FNISH.
- 8. WHERE FIRE RATED CONSTRUCTION IS REQUIRED (REFER TO ARCHITECTURAL DRAWINGS), DO NOT LOCATE ELECTRICAL OUTLET BOXES BACK-TO-BACK, PROVIDE MINIMUM 24* HORIZONTAL SEPARATION BETWEEN OUTLET BOXES
- 9. FIRE STOPPING SHALL BE PROVIDED WHERE PENETRATING ITEN'S PASS ENTIRELY THROUGH BOTH PENETRATIVE MEMBRANES OF BEARING HALLS REQUIRED TO HAVE A FIRE-RESISTIVE RATING AND MALLS REQUIRENG PROTECTED OFENINGS. FIRE STOPPING SHALL ALSO BE PROVIDED AT PENETRATIONS OF FIRE RESISTIVE FLOORS AND FLOORS WHICH ARE PART OF A CELLING-FLOOR ASSEMBLY, FIRE-STOPPING BHALL HAVE AN R⁺ AND/OR "T RATING AS DETERMINED BY TESTS CONDUCTED IN ACCORDANCE WITH CBC STD. 43-6.
- IO. JINCTION BOXES, CABNETS, EQUIPTENT ENCLOSURES, SWITCHES, PANELS, ETC. INSTALLED OUTDOORS, OR IN NET OR DAMP LOCATIONS, SHALL BE RATED NEMA-38 FOR OUTDOOR ENVIRONTENTS. IRCOVIDE INNIMIT 1/4" AIR GAP BETWEEN ENCLOSURE AND MALL SURFACE. IRCVIDE GALVANIZED METAL CHANNELS FOR MOUNTING ENCLOSURE ONTO MALL AS REQUIRED.
- ALL BOXES FOR LIGHT SWITCHES SHALL HAVE CIRCUIT ID HANDWRITTEN (WITH PERMANENT FELT PEN) ON THE BACK INSIDE OF THE BOX.
- ALL RECEPTACLES SHALL HAVE CIRCUIT ID ON THE COVERPLATE. USE TYPEWRITTEN "CLEAR TAPE". CLEAN SURFACE BEFORE ADHESIVE TAPE IS APPLIED. SAMPLE, "HA-II".
- I3. ALL WIRING SHALL BE IN CONDUIT, ALL CIRCUITS SHALL BE CONCEALED EXCEPT THAT ON EXISTING SURFACE AND IN DRY LOCATIONS HIEREN EXCESSARY AND ACCEPTABLE TO THE ARCHITECT, SWRFACE THATL ARCENAY (YRIN CAN BE USED, WIREMOLD OR EQUAL. 1/2° CONDUIT WITH LESS THAN SHID NIESS SHALL CORRESPOND TO A YUDO RACEMAY, O'HERNISE USE YSOD, 3/4° CONDUIT SHALL CORRESPOND TO A YUDO; I' CONDUIT SHALL CORRESPOND TO A YUDO; 1-1/4" CONDUIT SHALL CORRESPOND TO A V2400BC. SHR SHALL BE IVORY COLOR AND SHALL BE SECURED TO SURFACES WITH 2 HOLE STRAPS. PROVIDE ALL FITTINGS, ADAPTERS, COUPLINGS, BOXES, ETC. AS REQUIRED FOR A COMPLETE SYSTEM. PROVIDE HATCHING SURFACE OUTLET BOX. PANT TO MATCH ADJACENT FINISH.
- 14. DEVICE AND EQUIPMENT HEIGHTS SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND ELEVATIONS. CONFLICTS SHALL BE ADDRESSED TO THE ARCHITECTURAL PRIOR TO ROUGH-N.
- COORDINATE EXACT LOCATION OF EXTERIOR WALL LIGHT FIXTURES, SPEAKERS, ETC, WITH ARCHITECTURAL ELEVATIONS.
- 16. ELECTRICAL CIRCUITS TO AC UNITS SHALL COME UP INSIDE OF AC CURBS, UNLESS HE AC UNIT DOES NOT ALLOW THIS
- I1. IN CERTAIN ROOMS CIRCUITING AND DEVICES/EQUIPMENT IN ONE ROOM ARE INDICATED TO BE SMILLAR TO ANOTHER ROOMS, PROVIDE ALL SUCH CONDUIT, WIRNIA DEVICES, AND EQUIPMENT TO 25 THE SAFE AS THE OTHER ROOM INDICATED, MARE NECESSARY TINKO ADJUSTMENTS FOR SMILLAR ROOMS THAT ARE OPPOSITE HAND, FLIP-FLOPFED, MIRRORED, OR MINOR WALL, DFFERENCES. THE FOLLOWING ITEMS ARE NOT INCLUDED IN THIS SMILLAR LAYOUT AND ARE SPECIFIC TO EACH ROOM, UNLESS SPECIFICALLY NOTED OTHERWISE.
- AIR CONDITIONING AND MECHANICAL EQUIPMENT CONNECTIONS EQUIPMENT THAT IS N.I.E.S. BUT REQUIRE ELECTRICAL
- C. LAYOUT OF THE CABLE SUPPORT SYSTEM (CABLE HOOKS OR CABLE

18. NOT USED

19. FOR CONDUITS ROUTED BELOW FOOTING AT ELECTRICAL ROOMS, COORDINATE NITH STRUCTURAL DRAWING

EXISTING CONDITIONS:

- L DEVICES / EQUIPMENT AND CIRCUITING SHOWN AS EXISTING DEVICES / EQUIPMENT AND CIRCUINNG SHOWN AS EXISTING AND/OR EXISTING TO BE REVOVED ARE BAAED ON REVIEW OF EXISTING AVAILABLE DOCUMENTS AND VISUAL FIELD VERFICATION. SUCH INFORMATION MAY NOT BE ACCURATE. FRIOR TO DEMOLITION AND CONSTRUCTION, CONTRACTOR SHALL FIELD VERFY EXISTING CONDITIONS TO DETERMINE ACCURACY. NHERE EXISTING CONDITIONS TO DETERMINE CONTRACTOR'S INVESTIGATION CANNOT DETERMINE CONTRACTOR'S INVESTIGATION CANNOT DETERMINE CONTRACTOR'S INVESTIGATION CANNOT DETERMINE THE PROFILE AND REPORTS AND PRIESE PROPER ADJUSTMENTS NEEDED TO MEET THE NTENT OF THE DESIGN, CONTRACTOR SHALL INFORM ARCHITECT.
- 2. EXISTING CIRCUITS AND HOMERUNS WERE BASED ON EXISTING
- REMOVED EQUIPMENT SHALL MAINTAIN CIRCUIT CONTINUITY FOR DEVICES / EQUIPMENT CONNECTED TO THE SAME CIRCUIT, EXTEND AND/OR REROUTE THE EXISTING CIRCUITS AS NEEDED.
- REVISE EXISTING PANEL SCHEDULES TO REFLECT THE NEWLY CONNECTED LOADS AND SPARE CIRCUITS.
- 5. DO NOT REUSE ANY REMOVED MATERIALS SUCH AS CONDUIT, WIRING, AND BOXES.
- 6. PRIOR TO COMMENCEMENT OF WORK THE CONTRACTOR SHALL VERFY AND DOCUMENT WITH THE OWNER THE PROPER FUNCTION AND PHYSICAL APPEARANCE OF ENVIRONMENT ELECTRICAL EXCUMPENT (DEVICES, LIGHTING, RECEPTACLES, ETC.) IN THE ROOM AND THE AREA OF WORK WIDER THIS CONTRACTOR, IF AFTER CONSTRUCTION ANY EXISTING EQUIPMENT IS DAMAGED OR DOES NOT TRACTION. PROPERLY, THE CONTRACTOR SHALL REPAIR OR REPLACE THE EQUIPMENT IN-KIND FOR PROPER FUNCTION AND APPE

ELECTRICAL COMPONENT ANCHORAGE NOTE

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED & INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAILS IS INDICATED. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.8 THROUGH 1616A.1.26 AND ASCE 1-10 CHAPTER 6 AND 13.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. MOVABLE EQUIPMENT WHICH IS STATICNED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY
- ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE FLANS, THESE COMPONENTS SHALL HAVE FILEDBLE CONNECTIONS PROVIDED BETHEN THE COMPONENT AND ASSOLITED CONDUIT

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- HE CONFORMENTS HEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HING FROM A WALL
- FOR THOSE ELEMENTS THAT DO NOT REQUIRED DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DAS DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VEREY THAT ALL COMPONENTS & EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND

DISPLACEMENTS PRESCRIBED IN ASCE 1-10 SECTION 13.3 AS DEFINED IN ASCE 1-10 SECTION 13.6.8, 13.6.1, 13.6.5.6, AND 2013 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAININGS OR THE'T SHALL COMPLY INITI ONE OF THE OSHPO PRE-APPROVALS (OPM 1) AS MODFIED TO SATISFY ANCIORAGE REQUIREDRING OF ACI 318, APPROVED (D.

COPES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

	1	SIZE		MOUNT	ING		
DESIGNATION	м	н	D	SURFACE	FLUSH	NEMA-1	NEMA-3R
FATC-H	14*	24"	6"				

NOTES:

ALL TERMINAL CABNETS SHALL BE NEMA-I WITH HINGED DOORS, CYLINDER TYPE LOCKS, § 3/4" PLYWOOD BACKBOARD, LON.

2. PROVIDE TERMINAL BLOCKS, TYPE AS REQUIRED.

- A. SIEMENS \$66MI-50 WITH 89B STAND-OFF. MAKE FULL USE OF BRIDGE CLIPS.
- B. BUCHANAN #05/5 SERIES. PROVIDE CHANNEL CLAMPS, CHANNEL AND END SECTIONS.

ABBREVIATIONS & DESIGNATIONS EXISTING FIRE ALARM FIRE ALARM SIGNAL BOOSTER PANEL FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET E ABPECO FABORONE SESSION GROUND EMPTY CONDIT WITH FULL CORD CONDUIT WITH WIRING AS INDICATED OR AS REQUIRED ____ NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPECIFICATIONS UNLESS OTHERWISE NOTED WEATHERPROOF 153075110 FIRE ALARM VISUAL DEVICE SUBSCRIPTS-NUMBER NDICATES LIGHT INTENSITY ---POWER AND SIGNAL

SYSTEMS DURING CONSTRUCTION

- I. POWER AND SIGNAL SYSTEMS. SYSTEMS SHIT-DOWNS SHALL BE COORDNATED WITH THE OWNER. SYSTEMS DOWN THE SHALL OCCUR ONLY ON THE WEEKENDS AND DURING "OFF" HOURS. THE WEEKEND SHALL DE DEFINED AS FROM FRIDAY TO THE NEXT 6-CO AM MONDAY, "OFF" HOURS SHALL BE DEFINED AS FROM 5-CO PM EVENING TO 6-CO AM MONDAY, "OFF" HOURS SHALL BE DEFINED AS FROM 5-CO PM EVENING TO 6-CO AM MONDAY. TO 5-CO PM FRDAY WITHIN THE SAME SHALL BE DEFINED AS 6-CO AM MONDAY. TO 5-CO PM FRDAY WITHIN THE SAME WEEK, DURING BUSINESS HOURS, POWER SHALL BE PROVIDED AND SIGNAL SYSTEMS SHALL BE OPERATIONAL TO THE CAMPUS.
- 2. SIGNAL SYSTEMS SHALL INCLUDE TELECOR INTERCOM, PAGING, CLOCK SYSTEM ADEMCO INTRUSION, DATA, VOIP TELEPHONE, TELEVISION, AND HARRINGTO FIRE ALARM
- 3. THROUGHOUT CONSTRUCTION, THE ELECTRICAL AND SIGNAL SYSTEMS SHALL REMAIN IN OPERATION.
- 4. SIGNAL SYSTEMS: PROVIDE DEVICES AS SHOWN ON THE DRAWINGS AND ALL NECESSARY EQUIPMENT INCLUDING HARDMARE, NIRING AND PROGRAMMING FOR A COMPLETE AND OPERATIONAL SYSTEM FER SCHOOL DISTRICT REQUIREMENTS. COORDINATE NITH SCHOOL DISTRICT FOR SYSTEM OPERATIONS PRIOR TO BID. TEST SYSTEM TO COMPLY INTH MANUFACTURER'S OPERATION REQUIREMENTS. DISTRICT SCHOOL DISTRICT FOR SYSTEM OPERATION REQUIREMENTS. AND EQUIPMENT ADDITIONS SHALL NOT VOID THE EXISTING EQUIPMENT ADREANTY.
- 5. LOCAL FIRE AUTHORITY SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF FIRE ALARM

OPEN WIRED

NOTE.

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- CEIL NG

- 8. CONDUIT EQUIVALENTS: (1) 2" J-HOOK = (1) 4" CONDUIT. (1) 4" J-HOOK = (2) 4" CONDUITS. (1) 1 5/16" J-HOOK = (1) 2" CONDUIT.

L.

- 2. SYSTEM SEPARATION
- A. B-LINE #BCH32 (2", MAX 10 4-PR UTP CABLES)

- ABOVE ACCESSIBLE CEILINGS.



 A. DATA AND TELEPHONE CABLES SHALL SHARE ONE SET OF CABLE HOOKS.
 B. ALL OTHER SIGNAL CABLING SHALL SHARE THE OTHER SET OF CABLE HOOKS. 3. CABLE HOOKS USED TO SUPPORT OPEN WIRED CABLES SHALL BE AS FOLLOWS:

B-LNE #BCH64 (4", MAX 280 4-PR UTP CABLES).

C. B-LINE #BCH2I (1 5/16", MAX, 30 4-PR UTP CABLES).

DO NOT FILL TO MORE THAN 15% CAPACITY, CABLE HOOKS TO BE PRE-GALVANIZED STEEL, 19" HIDE NITH ROUNDED EDGES, STATIC CAPACITY OF 30 hs. CABLE HOOKS SHALL BE EABLY ACCESSIBLE AND BE APPROXIMATELY 12 TO 24 NORES ABOVE

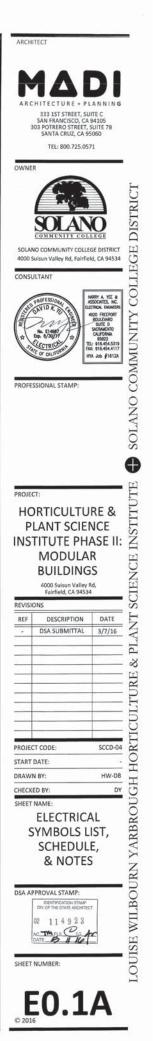
4. STUB 3/4" CONDUIT FROM DEVICE BOX TO WITHIN 24" OF CABLE HOOKS. FOR DATA AND TELEPHONE OUTLETS STUB I" CONDUIT. CABLE HOOKS MAY BE USED INSTEAD OF CONDUIT.

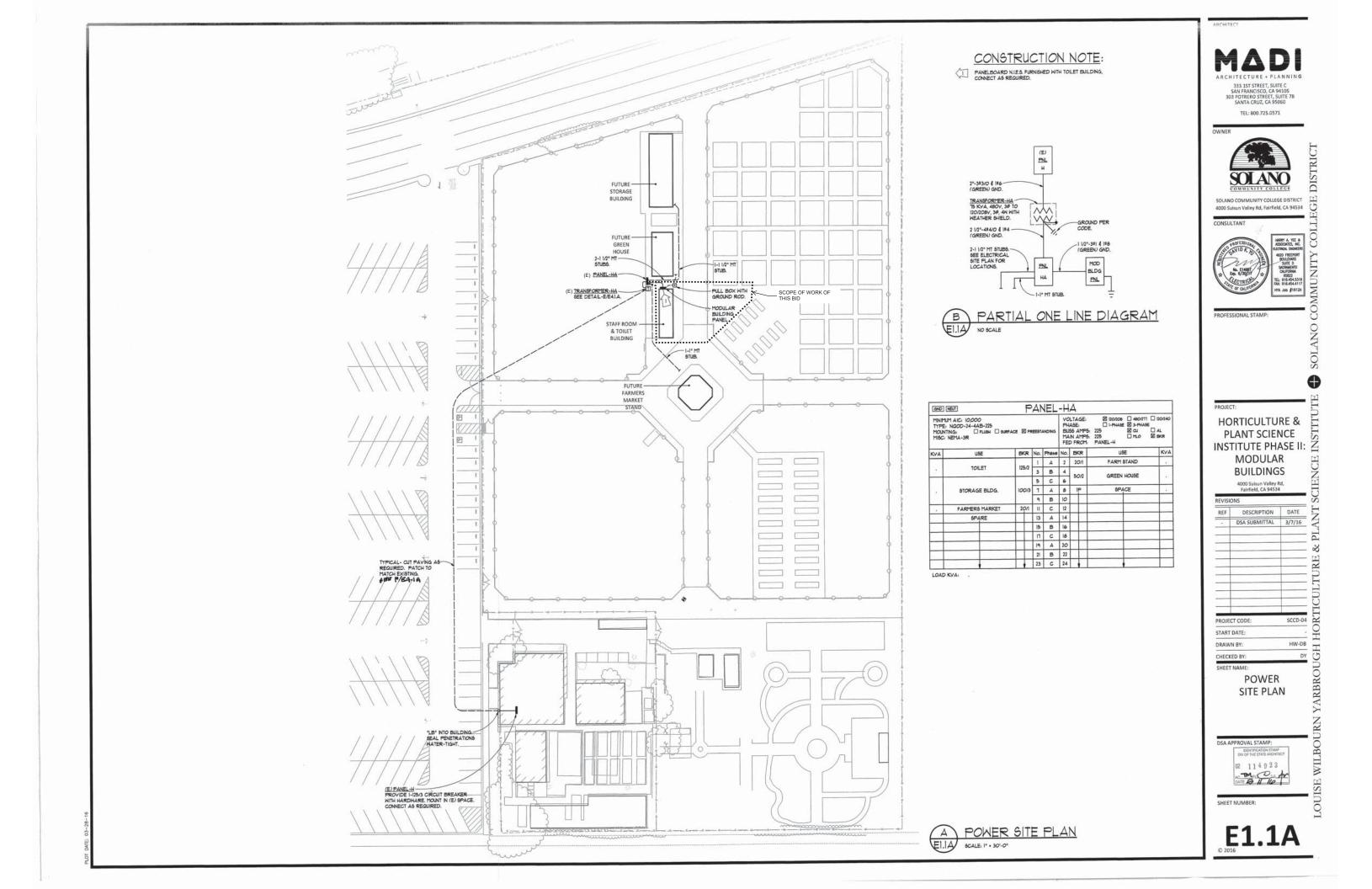
5. SUPPORT CABLE HOCKS AT 48" ON CENTER. SECURE TO HALL STUDS ABOVE CELLING OR SUPPORT HIM HIM HIM 1/3" 6TELL ROOS. "PROVIDE ALL NECESSARY FASTENERS, ROOS, HANGERS, BLACKETS, ETC., AS NEEDED.

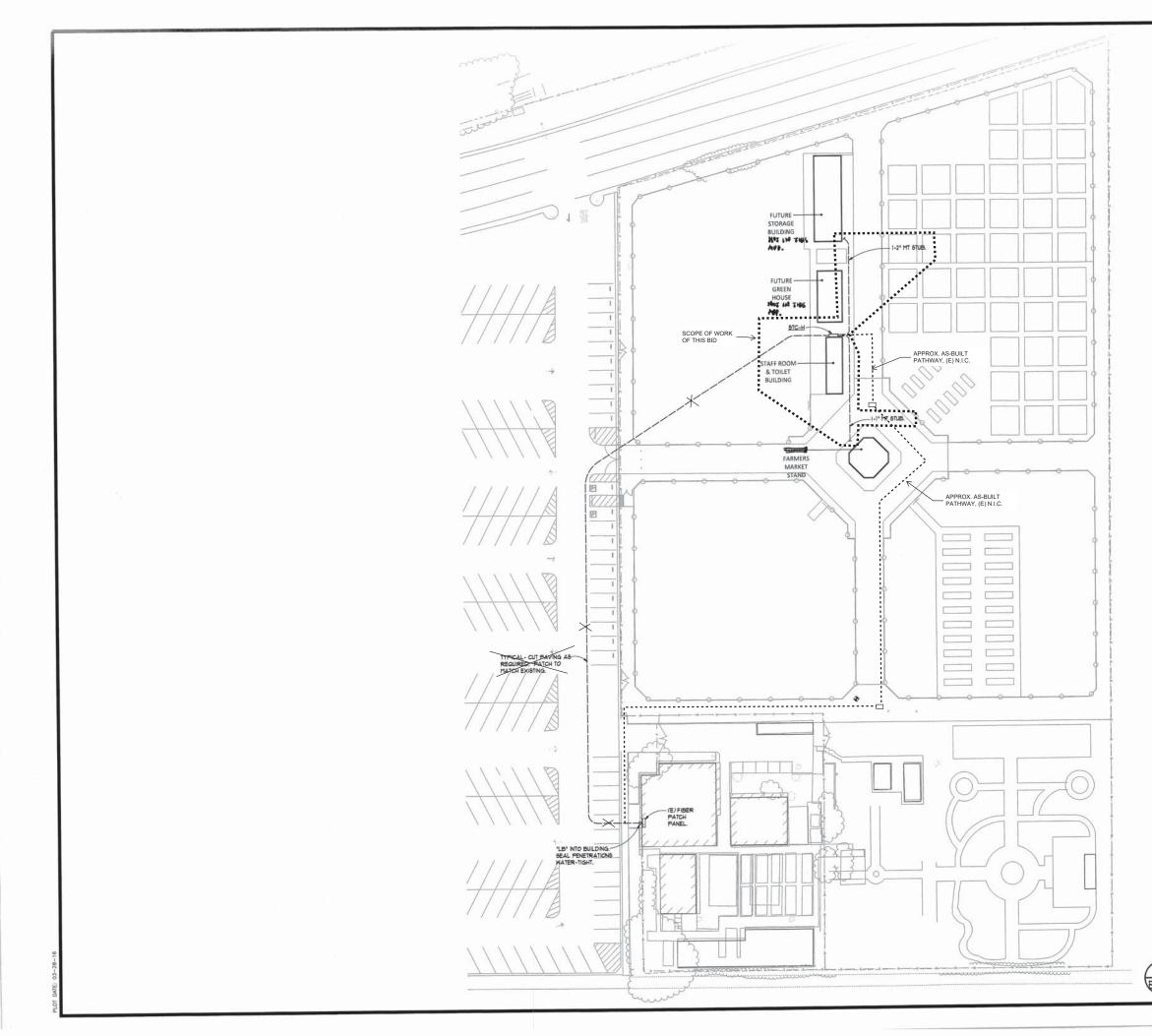
6. WHERE CABLES MUST PASS ABOVE CEILINGS THAT ARE NOT ACCESSIBLE OR ARE NOT T-BAR CEILINGS, THE CABLING SHALL BE ROUTED IN CONDUIT(6). PROVIDE CONDUIT TO SPAN THE SPACE THAT IS NOT ACCESSIBLE AND BETWEEN CABLE HOCK SYSTEMS.

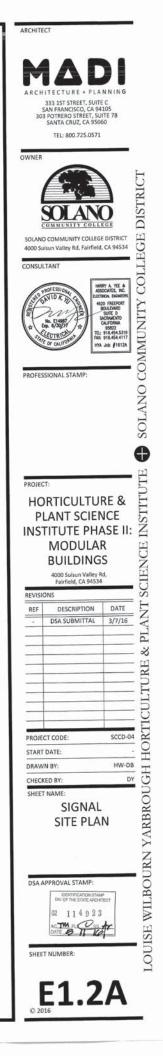
CABLES THAT PASS THROUGH FIRE RATED HALLS, SEISMIC JOINTS, SOUND HALLS, COVERED (SHEETROCK, PLYMOOD) HALLS, ETC. SHALL PASS THRU IN CONDUIT SLEEVES, PROVIDE FIRE SEALANT FOR FIRE RATED HALLS TO MAINTAIN RATING.

9. LENGTH OF EACH J-HOOK SHALL NOT EXCEED 12" IN LENGTH

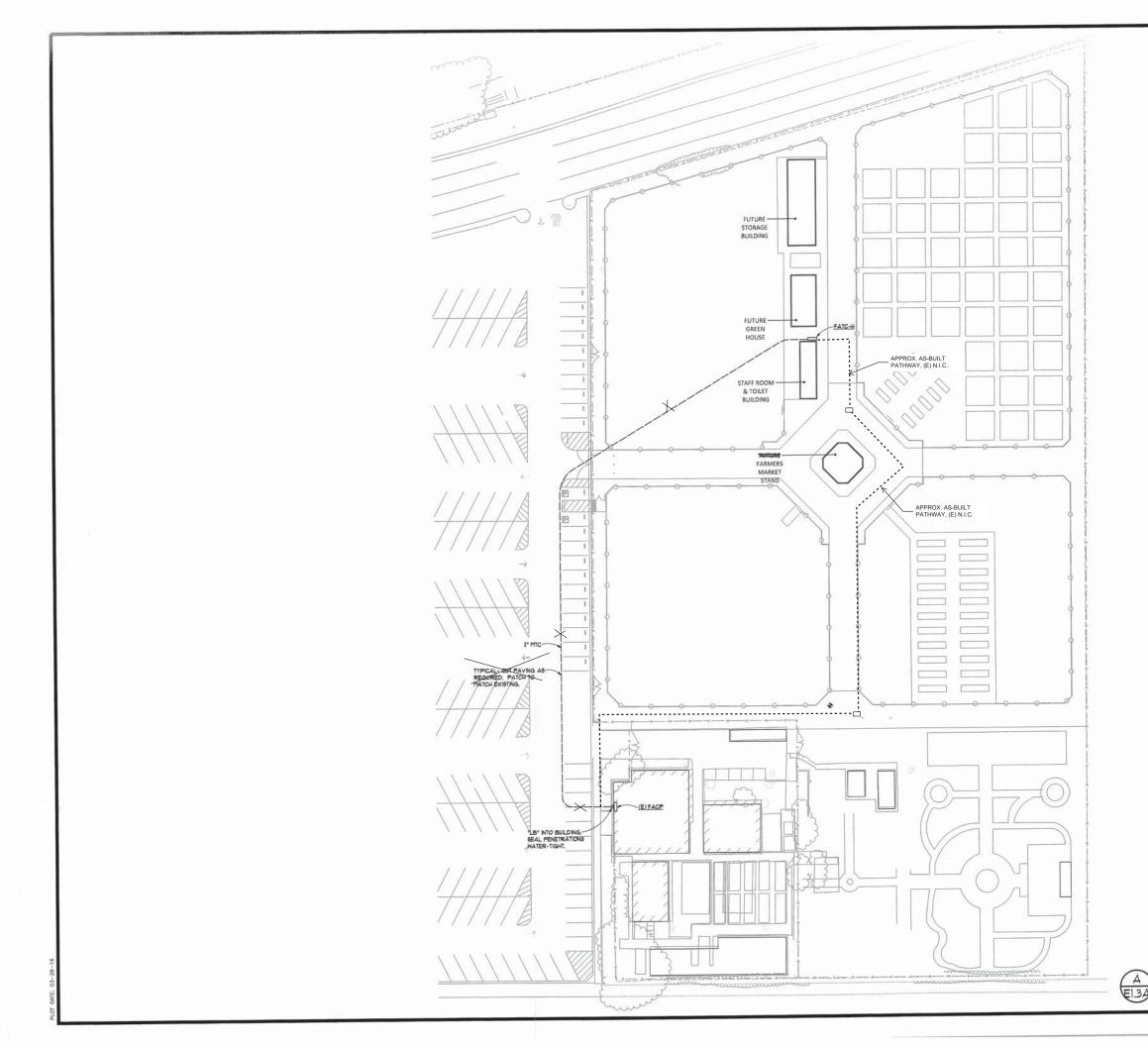


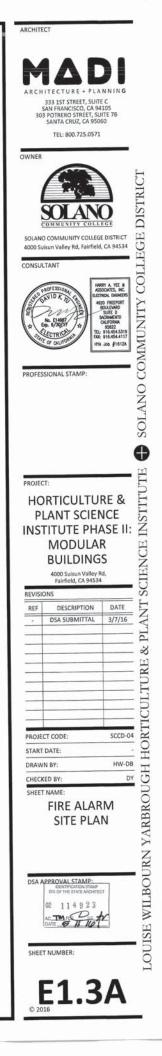






A SIGNAL SITE PLAN E1.24 SCALE: 1" · 30'-0"





A FIRE ALARM SITE PLAN E1.34 BCALE: 1" · 30'-0"

POST-INSTALLED ANCHORS:

- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS GIVEN IN THE ICC REPORT
- THE ICC REPORTS: HILTI KWIK BOLT TZ ESR-IPIT BILTI KWIK BOLT TZ ESR-IPIT SPECIAL INSPECTION IS REGUIRED FOR ALL POST INSTALLED ANCHORS. SPECIAL INSPECTION IS REGUIRED FOR ALL POST INSTALLED ANCHORS. TEST EACH ANCHOR OF DIFFERENT DIATHETER AND ETHEDMENT DEPTH FOR EACH TYPE AND STRENGTH OF CONCRETE FER 2013 CBC 1913A.13; A. ANCHORS USED FOR SILL PLATE BOLTING SHALL HAVE ID PERCENT OF THE A. ANCHORS USED FOR SILL PLATE BOLTING SHALL HAVE ID PERCENT OF THE
- ANCHORS TESTED. B. ANCHORS USED FOR OTHER STRUCTURAL AFLLICATIONS SHALL HAVE 100% OF THE

- ANCHORS USED FOR OTHER STRUCTURAL APPLICATIONS SHALL HAVE IOOR OF THE ANCHORS TESTED.
 ANCHORS USED FOR NONSTRUCTURAL APPLICATIONS SUCH AS EQUIPMENT ANCHORS USED FOR NONSTRUCTURAL APPLICATIONS SUCH AS EQUIPMENT ANCHORS USED FOR NONSTRUCTURAL ALTERNATE BOLTS IN A GROUP, INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP, TESTED.
 HTDRAULIC RAIM METHOD: THE ANCHORS IN EACH GROUP, TESTED.
 HTDRAULIC RAIM METHOD: THE ANCHORS IN TO EXHIBIT OBSERVABLE MOVEMENT AT THE AFPLICABLE TEST LOAD MAINTAINED FOR A MINIMUM OF IS SECONDS. FOR MEDGE AND SLEEVE TITE ANCHORS A REACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER WIDER THE BUIT BECOMDS FOR MEDGE ANCHORS ARE ONLY TO BE TESTED WITH THIS METHOD. SCREW ANCHORS DROP-IN ANCHORS ARE CALLY TO BE TESTED WITH THIS METHOD. SCREW ANCHORS MAY BE LOCOENED A MAXIMUM OF CALLOWING THE ENSION TEST, THE ANCHOR SHALL BE RE-TORQUED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- RE-TORCUED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION
 NISTRUCTIONS.
 TORCUE REENCH METHOD, ANCHORS TESTED WITH A CALIBRATED TORCUE WRENCH MUST A TTAIN THE SPECIFIC DORCUE WITHIN'S TURN OF THE NUT. RECORPTION.'S, TURN OF THE NUTFOR 'N'S ANCHORS). THE TORCUE YALUES SHALL BE PER THE SCHEDULE OF THE NUTFOR 'N'S ANCHORS). THE TORCUE YALUES SHALL BE PER THE SCHEDULE DELCH OR THE SPECIFIC ANCHORS AND DETAILS.
 IF ANCHOR FAILS TESTING, ALL ANGLORS OF THE SAME CATEGORY, NOT PREVIOUSLY TESTED, SHALL BE TESTED UNTL 20 CONSECTIVE ANCHORS PASS THE PREVIOUSLY TESTED, SHALL BE TESTED UNTL 20 CONSECTIVE ANCHORS PASS THE CONCRETE OR TASCONS. THE INITIAL TESTING FREQUENCY SHALL THEN BE RESULTD.
 WHEN INSTALLING DRILLED IN ANCHORS AND/OR POWDED ROVIDE INS IN EXISTING CONCRETE CR TASCONS, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BASS.
 THE TESTING CH THE ANCHORS SHALL BE DORE BY THE TESTING LABORATORY IN THE DESUMM OF THE ANCHORS SHALL BE DORE BY THE TESTING LABORATORY IN THE DESUMPTITED TO THE ANCHORS SHALL BE DORE BY THE TESTING LABORATORY IN THE DESUMPTITED TO THE ANCHORS SHALL BE DORE BY THE TESTING LABORATORY IN THE DESUMPTITED TO THE ANCHORS AND A REPORT OF THE TESTING CARDARATORY IN THE DESUMPTITED TO THE ANCHORS AND AND A REPORT OF THE TESTING LABORATORY IN THE TESTING SHALL OCCUR AT MINIPUM OF 24 HOURS AFTER THE INSTALLATION OF THE ANCHORS.

- CLORS
- ANCHORS. 1. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES. 8. NEW BARS DOWELLED AND EPOXIED INTO AN EXISTING \$LAB-ON-GRADE DO NOT NEED
- TO BE TENSION TESTED. 9. TEST VALUES SHALL BE PER THE SCHEDULE BELOW OR THE SPECIFIC ANCHORAGE
- DETAILS. 10. ALL TESTS SHALL BE PERFORMED IN THE PRESSENCE OF THE INSPECTOR OF RECORD.

ANCHOR TYPE	ANCHOR DIAMETER	EFFECTIVE EMBEDMENT DEPTH	TENSION TEST	TORQUE TEST	BASE MATERIAL
HILTI KWIK		2*		25 FT-LBS	CONCRETE
BOLT TZ 3/8"	3/8"	1.1.1			
HILTI KWIK	I TI KWIK	2"		40 FT-LBS	CONCRETE
BOLT TZ	1/2"	3 1/4"		40 FT-LBS	CONCRETE
HILTI KWIK		3 1/8*		60 FT-LBS	CONCRETE
BOLT TZ	5/8"	4"		60 FT-LBS	CONCRETE

MIN - 18" MAX

TIPEP

- 3" MN - 20" MAX

20" MAX

6

NOTES:

PANEL AND TRANSFORMER

FREESTANDING PANEL

OF C4x.

SIDE VIEW

#4 EA SIDE

3" CLR.-

TRANSFORMER-BEYOND

· CHANNEL GALVANIZED PER A6TM A123

· BOLTS GALVANIZED PER ASTM A153.

COORDINATE WIT

EQ

- ---

-6"

IO! MN

STEEL CHANNEL

FREESTANDING-PANEL, NEMA-3R WT= 400 LDS

14 EA. SIDE AT

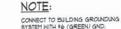
3" CLR.

FRONT VIEW

TRANSFORMER -

TYPICAL- 625" DIAMETER STAINLESS STEEL WEDGE ANCHOR BOLT HILTI KNK-BOLT TZ WITH MINIMY 3 I/R EMBEDMENT. ONE AT EAC OF 4 CORNERS.

REINFORCED CONCRETE PAD WITH #4 REBARS AT 12" O.C. EACH WAY, AT CENTER OF SLAB.



MINIMUM 12" FROM

* STEEL CHANNE

SECTION C4 x 5.4 WITH 5" BOLTS TO

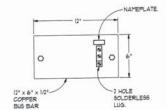
PANEL. PROVIDE BEVELED WASHER

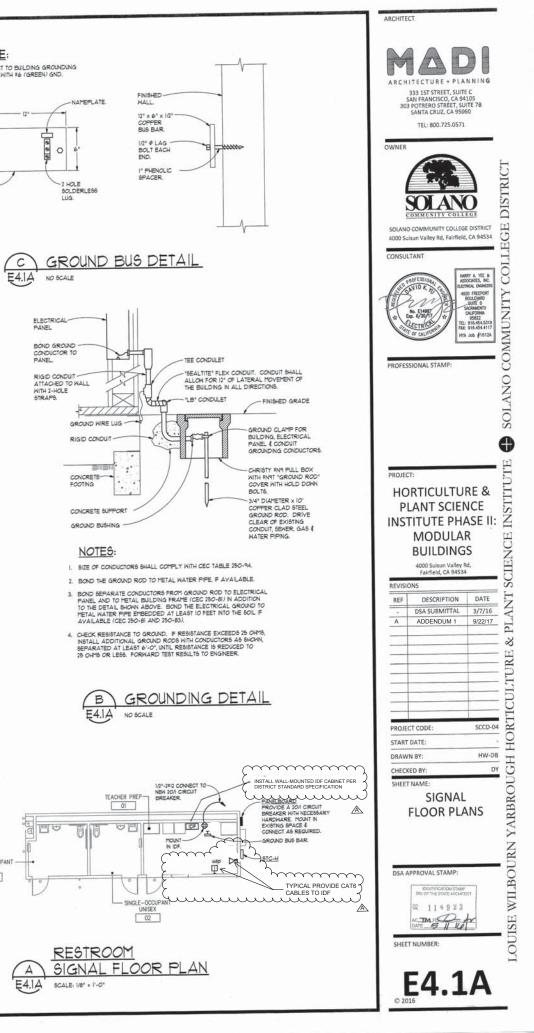
FINISHED

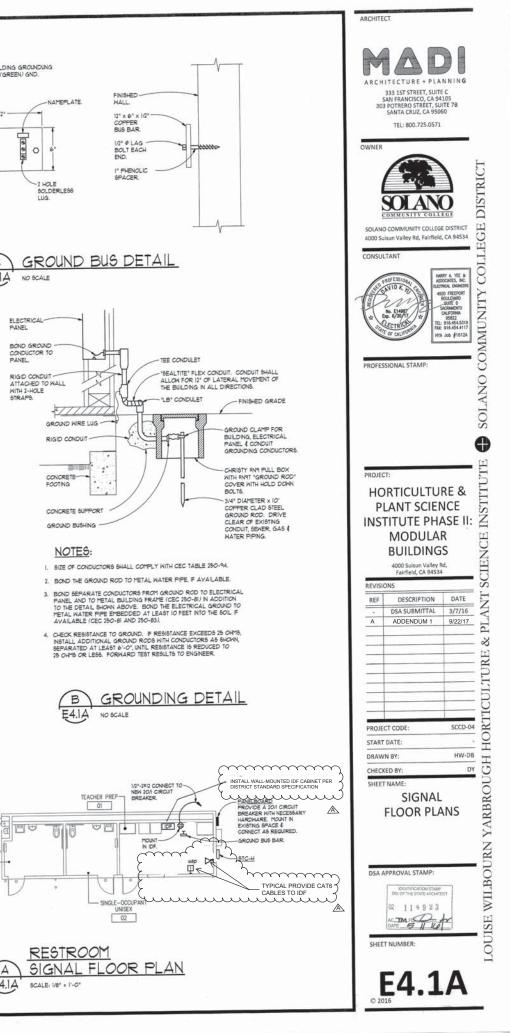
GRADE

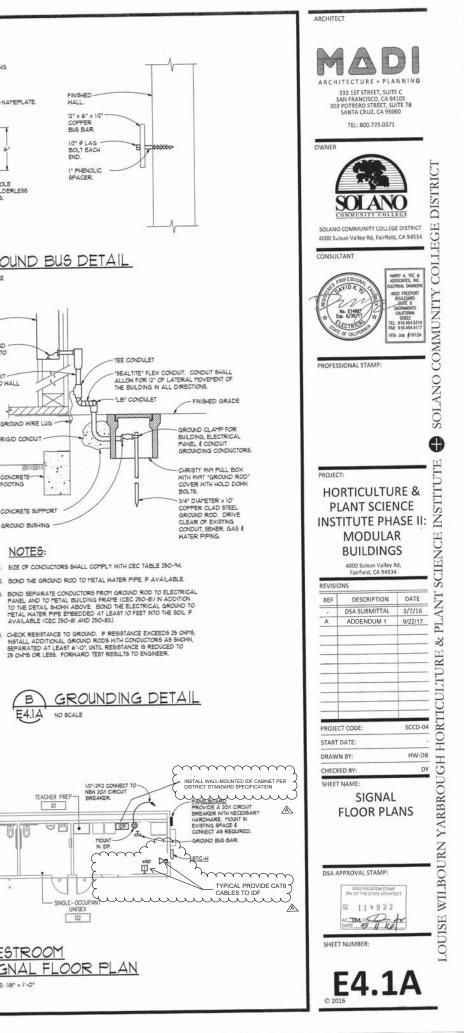
AT CHANNEL FLANG

BUILDING WALL

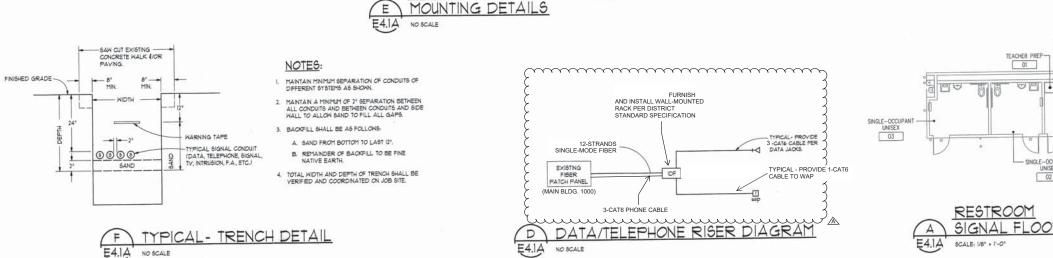












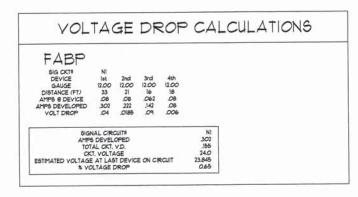
			Contraction and the second		41.4004
SYMBOL	EQUIPMENT / DEVICE	MANUFACTURER AND MODEL NUMBER	CSFM LISTING NO.	STANDBY AMPS	ALARM AMPS
E) FACP	(E) FIRE ALARM CONTROL PANEL	EDWARDS #E6T-3	7165-1657:186	(E)	(E)
FABP	FIRE ALARM BOOSTER PANEL	EST-BPS6A	1300-1651-229	.010	.190
CM	CONTROL RELAY MODULE	EST# SIGA-CR	1300-1651-121	1000.	1000.
	MONITOR MODULE	EST# SIGA-CTI	1300-1651-121	.00025	.0004
0	ADDRESSABLE SMOKE DETECTOR	EST# SIGA-PS	1212-1651:126	.000045	.000048
Ð	ADDRESSABLE HEAT DETECTOR (135°F)	EST# SIGA-HRS	1210-1651:125	.000045	.000048
⊕,	CONVENTIONAL ATTIC HEAT DETECTOR (190°F)	EST# 284B-PL	1210-1651:109	0	0
bd _{ab}	EXTERIOR HORN	WHEELOCK #AH-24	1125-0785-131	0	.062
0415	HORN/STROBE (15cd)	WHEELOCK #A8-24MCW-FR	1125-0185-131	0	.OB

NOTES:

I. WALL MOUNTED DEVICES SHALL BE "RED".

2. CEILING MOUNTED DEVICES SHALL BE "WHITE".

	FIRE ALARM	1 WIRE S	CHEDL	ILE	
DESIG.	DESCRIPTION	USE SYSTEM		O.D. (inches)	AREA (sq. inches)
FI	1 PR#16, 5TP, ADDRESSABLE LOOP, FPL LOW CAP, NPM #D991	BLDG, NITIATING	FIRE ALARM	0226	0.0401
F2	I PR.#14, STP, ADDRESSABLE LOOP, FPL, WET LOC, LOW CAP, WPW #A0295	BITE, NITIATING		0.35	0.0%62
F3	2#12, THINN	BLDG. SIGNAL		0.13 EA.	0.0265
F4	2#10, THAN	SITE, SIGNAL		0.164 EA.	0.0422
F5	2#14 FPL	HARDWIRED INT.			



VOLTAGE DROP FORMULAS

VD . VOLTAGE DROP

- L . ONE WAY LENGTH OF CIRCUIT (IN FEET) $VD = \frac{2 \times L \times R \times I}{1000}$ % $VD = \frac{VD}{24} \times 100$
- R . CONDUCTOR RESISTANCE (IN OHMS/FEET) (DEVICE VOLTAGE)
- I . LOAD CURRENT (IN AMPS)

FIRE ALARM MONITORING NOTE

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NPPA 12 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFX OR ULJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 301.

BATTER	r cal	CULAT	ION W	ORKS	HEET
EQUIPMENT / DEVICE	QUANTITY	DEVICE STANDBY CURRENT (AMPS)	TOTAL STANDBY CURRENT (AMPS)	DEVICE ALARM CURRENT (AMPS)	TOTAL ALARM CURRENT (AMP)
(E) FIRE ALARM CONTROL PANEL- (E) FACP	1	(E)	(E)	(E)	(E)
ADDRESSABLE SMOKE DETECTOR	1	.000045	.000045	.000045	.000045
ADDRESSABLE HEAT DETECTOR (135"F)	3	.000045	.000135	.000045	.000135
CONVENTIONAL ATTIC HEAT DETECTOR (190°F)	1	0	0	0	0
MONITOR MODULE	2	.00025	.00050	.0004	.0008
CONTROL MODULE	1	.0001	1000.	1000.	.0001
				1	-

.00108 AMPS

NOTES:

BATTERY CALCULATIONS FOR 24 HOURS (STANDBY) PLUS 15 MINUTES (ALARM). (TOTAL STANDBY CURRENT) (24 HR5) + (TOTAL ALARM CURRENT) (15 h) x (25%) + MN. BATTERY AMP HR8. REQ'D. (.00018) (24 HR5) + (.00/08) (15/60 h) x (25%) = .0241 AMP HOUR (MINIMUM BATTERY)

TOTALS. .00018

ADDED LOAD . 024 (E) BATTERY PROVIDED = 1.0 Ahr.

(N) BATTERY PROVIDED . 12.0 Ahr.

BATTER	Y CAL	CULAT	ION W	ORKS	HEET
EQUIPMENT / DEVICE	QUANTITY	DEVICE STANDBY CURRENT (AMPS)	TOTAL STANDBY CURRENT (AMPS)	DEVICE ALARM CURRENT (AMPS)	TOTAL ALARM CURRENT (AMP)
FIRE ALARM BOOSTER PANEL- FABP	1.	.01	.01	.190	.190
FIRE ALARM EXTERIOR HORN	1	0	0	.062	.062
FIRE ALARM WALL HORN/STROBE (15cd)	3	0	0	.080	240
		TOTALS:	.01 AMPS	1	.492 AMPS

NOTES:

BATTERY CALCULATIONS FOR 24 HOURS (STANDBY) PLUS 15 MINUTES (ALARM). (TOTAL STANDBY CURRENT) (24 HR6) + (TOTAL ALARM CURRENT) (15 h) x (25%) = MIN. BATTERY AMP HR5. REQ'D. (.01) (24 HR5) + (.492) (15 h) x (25%) = 2254 AMP HOUR (MINIMUM BATTERY) BATTERY PROVIDED . 1.0 Ahr.

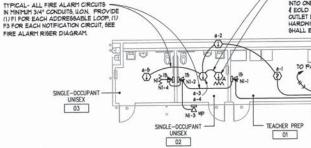
FIRE ALARM	DEVICE SEC	QUENCE OF	OPERATION	MATRIX
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INITIATION RESPONSE	MANUAL PULL STATION	AREA SMOKE DETECTORS	HEAT DETECTOR	DUCT DETECTOR	ELEVATOR RECALL	TROUBLE CONDITION (SHORT, OPEN, POWER FAILURE)
ANNUNCIATE AT FACP	YES	YES	YE5	YES	YE6	YES
ACTIVATE AUDIBLE \$ VISIBLE ALARMS THROUGH OUT CAMPUS	YES	YES	YE6	YES	YES	NO
ACTIVATE EVAC SYSTEM THROUGH OUT CAMPUS	YES	YES	YES	YES	YES	NO

FIRE ALARM PROJECT NOTES:

- A. BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE PROJECT INSPECTOR TO THE EFFECT THAT THE SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH THE (2013) NFPA '12 SECTION 14.41 SECTION 14.4.1
- B. AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NEPA 12 AND CBC 9016.5.2 THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFX OR UUIS BY UL OR SHALL MEET THE REQUIREMENTS OF FM STANDARD 8013.
- THE FIRE ALARM CONTRACTOR SHALL PROVIDE A SUFFICIENT NUMBER OF HORNS AND CULATITY OF STROBES AND LOCATIONS TO MEET THE AUDIBILITY AND VISUAL REQUIREMENTS OF 2013 NFPA 72, HORNS AND STROBES SHOWN ON THE ORAINING ARE A MINIMUM AND SHALL NOT BE REDUCED FROM THE FINAL INSTALLATION.
- D. AFTER INSTALLATION AND TESTING OF THE FIRE ALARH SYSTEM, AN INDEPENDENT AUDIBILITY TEST SHALL BE PERFORMED BY A QUALIFED THIRD PARTY TESTING AGAENCT, FROVIDED BY THE CONTRACTOR PRIOR TO ACCEPTING SHALL BE THE RESPONSIBILITY OF THE RESULTS OF THE AUDIBILITY TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR PLOCENCE I AS INCEGED AND THE RESPONSIBILITY OF THE CONTRACTOR TO CORPECT AS INCEGED AND THE RESPONSIBILITY OF THE AUDIBILITY TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORPECT AS INCEGED AND THE RESPONSIBILITY OF THE CONTRACTOR TO CORPECT AS INCEGED AND THE RESPONSIBILITY OF THE CONTRACTOR TO CORPECT AS INCEGED AND THE RESPONSIBILITY OF THE CONTRACTOR TO CONTRACT AND THE RESPONSIBILITY OF THE CONTRACTOR TO CONTRACT AND THE RESPONSIBILITY OF THE CONTRACTOR TO ACCEPT AND THE RESPONSIBILITY OF THE CONTRACTOR TO ACCEPT AND THE RESPONSIBILITY OF THE CONTRACTOR TO ACCEPT AND THE RESPONSIBILITY OF THE CONTRACTOR TO CONTRACT AND THE RESPONSIBILITY OF THE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTRACT AND THE RESPONSIBILITY OF THE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTRACT AND THE RESPONSIBILITY OF THE THE RESPONSIBILI
- E. ALL FIRE ALARM CABLE SHALL BE INSTALLED IN CONDUIT. ALL CONDUIT SHALL BE INSTALLED WITH COMPRESSION FITTINGS FOR COUPLERS AND BOX CONNECTORS.
- F. THE FIRE ALARM SYSTEM IS AN ADDRESSIBLE SYSTEM.

FIRE ALARM SYSTEM NOTES:





L THE FIRE ALARM SYSTEM IS A COMPLETE PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALFORNIA BUILDING CODE (CBC) SECTION 90%; THE CALFORNIA ELECTRICAL CODE (CEC) ARTICLE 160 AND THE CALFORNIA FIRE CODE (CFC) SECTION 90%.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE DIVISION OF THE STATE ARCHITECT (DSA) INSPECTOR OF RECORD.

3. NSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED INTIL DETAILED PLANS AND SPECFICATIONS, INCLUDING CALEORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, VOLTAGE DROP CALCULATIONS, AND BATTERY CALCULATIONS HAVE BEEN USEMITTED AND APPROVED. IF THE INFORMATION ON THE BID DRAWINGS ARE REUSED AS THE SUBMITTAL DRAWINGS, CLOUD ALL CHANGES.

ALL CEILING HEAT AND SMOKE DETECTORS SHALL BE LOCATED AWAY FROM THE SUPPLY AIR REGISTER, DISTANCE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

BASIC SOUND AND PATTERN OF THE NEW FIRE ALARM AUDIBLE DEVICES SHALL SOUND THE CALFORNIA FIRE ALARM SIGNAL IN TEMPORAL MODE.

6. PROVIDE COMPLETE SYSTEM WIRING. ALL WIRING SHALL BE IN MINIMIN 3/4" CONDUIT. NO OTHER SYSTEM'S MIRING SHALL BE ROUTED IN THE FIRE ALARM CIRCUITS. HARDWIRED INITIATING CIRCUITS SHALL BE WINIMIN 14 THAN/THAN. SYSTEM'S WIRING SHALL BE FER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND THEIR REQUIREMENTS.

THE FIRE LARRY SYSTEM SHALL COMPLY WITH A TOTAL COVERAGE FULLY AUTOMATIC SYSTEM SHALL COMPLY WITH A TOTAL COVERAGE FULLY AUTOMATIC SYSTEM SHALL BE INSTALLED N ALL AREAS INHERE REQUERED BY THE APPROPRIATE INPA STANDARD OR THE AUTORITY HAVING JURISDICTION. EACH INSTALLED DETECTOR SHALL BE ACCESSIBLE FOR PERIODIC MAINTENANCE AND TESTING. PROVIDE ACCESSIBLE FOR STACES ABOVE SUSPENDED CEILINGS, AND OTHER SUBDIVISIONS AND ACCESSIBLE SPACES. NACCESSIBLE AREAS SHALL NOT BE REQUERD. TO BE PROTECTED BY DETECTORS UNLESS THEY CONTAN COMPUSITELE MATERIAL, N WHICH CASE THEY SHALL BE MADE ACCESSIBLE AND BE PROTECTED BY DETECTOR(S).

8. ALARM-NDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN IS dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5 dBA ABOVE THE dBA ABOYE THE AVERAGE APDIENN NOBE LEVELS OF 9 DBA ABOYE THE MAXIMIN SOUND LEVEL HAVING A DURATION OF 60 SECOND HHICH-YER IS GREATER, PEASURED 5-0° ABOYE THE FLOOR, APBIENT NOBE LEVELS YEANS THE LEVEL HURCH CAN NORMALLY BE EXPECTED HHEN THE FACILITY SUIDDNG, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR NORKING CONDITIONS (NFPA 71, SEC. 1843).

9. THE AUTOMATIC FIRE ALARM SYSTEM SHALL COMPLY WITH SENATE BILL NO. 575 (98515) & CBC 9012.3.1. FOR NEW CONSTRUCTION PROJECTS.

IO. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPHENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS MHICH ARE REQUIRED FOR REVIEW AND APPROVAL.

II. THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCREDING TWO FLASHES FER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIR SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 12, SEC. 18.52.1). AIRED

12. POWER SERVICE SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH A RED MARKING AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL.".

AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15 dBA ABOVE AVERAGE AMBIENT SOUND LEVEL N ALL OCCUPHABLE AREAS (16: CLASSROOM AVERAGE AMBIENT ROOM NOBE 16 34 DBA PLUB 16 dBA EQUALS - 50 dBA MINITAT ALARM TONE REQUIRED). SYNCHRONIZE AUDIBLE SIGNAL PER NFPA 72: 18.42.5.

STROBES SHALL FLASH AT A RATE NOT EXCEEDING TWO FLASHES PER SECOND NOR BE LESS THAN ONE FLASH EVERY SECOND. SYCNCHRONIZE STROBE FLASH PER NFPA 12: 185.4.32.

I5. CEC Sec. 9015.2. AUDIELE SIGNALS INTENDED FOR OPERATION IN THE PUBLIC MODE SHOULD HAVE A SOUND LEVEL OF NOT LESS THAN TO ABA AT 10 FEET OR MORE THAN IIO ABA AT THE MINIPUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE.

16. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSISTANTINESS SUCH TESTING WHEN ABLE.

THE N&TALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NEPA 12. SECTION 14.6, FIGURE 14.6.2.4 (CBC 90112 TO THE INSPECTOR OF RECORD (IOR) / D&A AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TESTS.

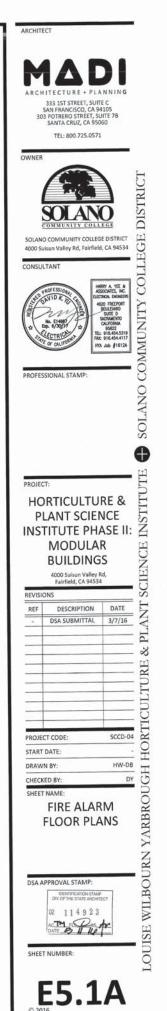
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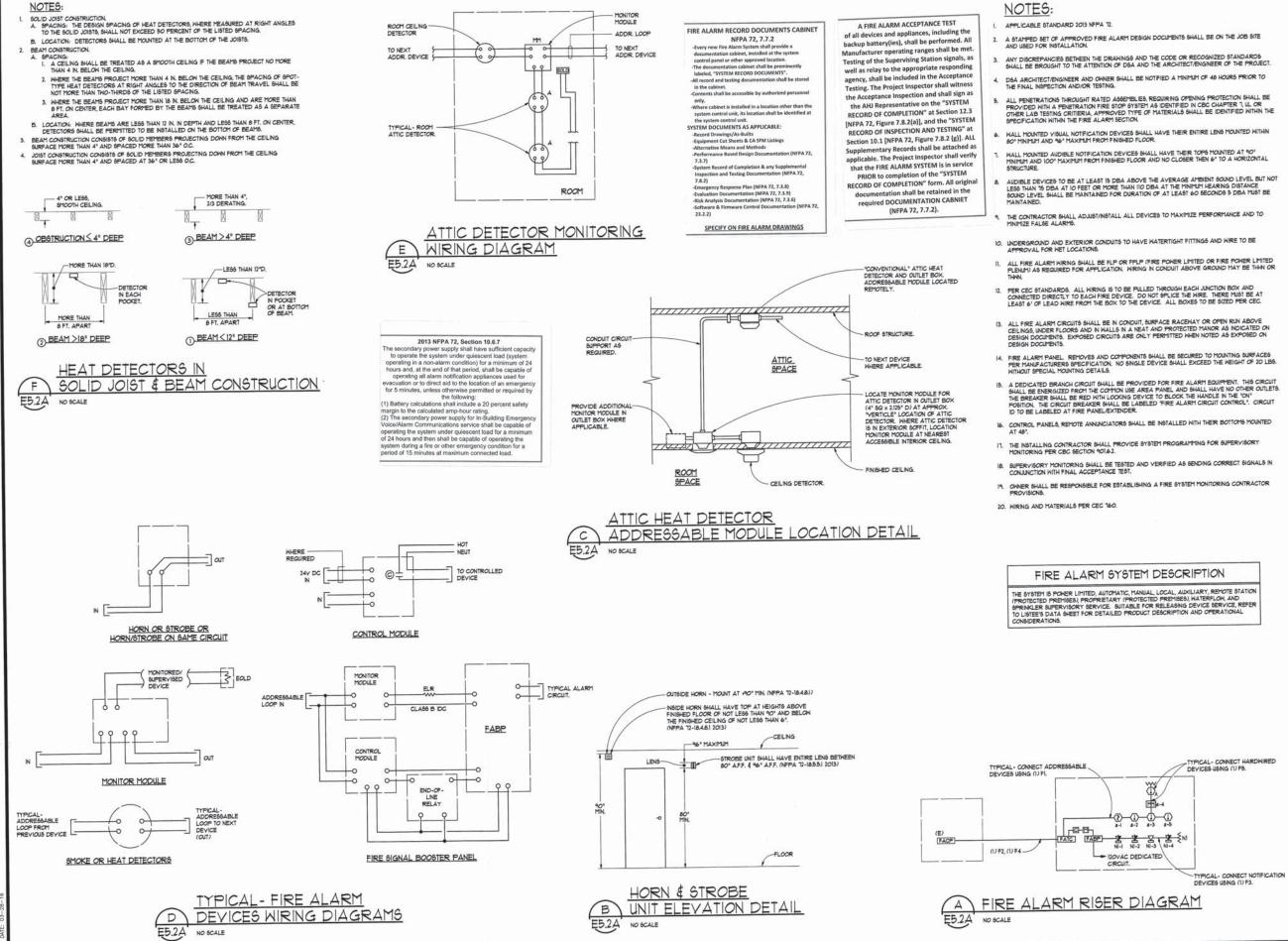
IA. WHEN THE SPECIFIED EQUIPMENT IS SUBSTITUTED OR ANY CHANGES ARE MADE THE CONTRACTOR SHALL OBTAIN DSA APPROVAL VIA THE DSA CHANGE ORDER PROCESS PER DSA IR A-21.

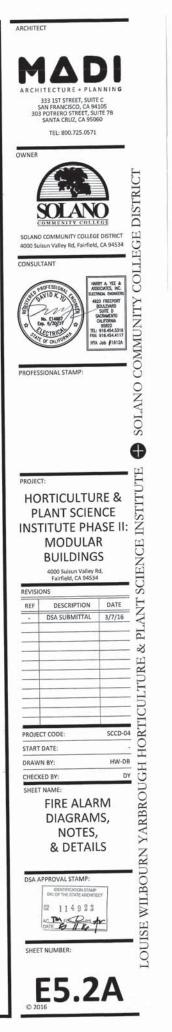
TYPICAL- GROUP ATTIC DETECTORS FOR EACH ROOM NTO ONE ADDRESS, OR GROUP N THE HAY THEY ARE CONNECTED TOGETHER NTO ONE ADDRESS, LOCATE MONTICE MODILES (EOLD AT THE ASSOCIATED CELLING DETECTOR OTTIET BOX OR N AN ADJACENT OUTLET BOX. D LOOP FOR ATTIC DETECTORS SHALL BE F5 CABLE.

PANELBOARD, PROVIDE A 20/1 CIRCUIT BREAKER WITH HARDW NARE 4 PAD-LOCKING TABS (LOCK-OFF). N EXISTING SPACE & CONNECT AS REQUIRED. PANT CIRCUIT BREAK O PANEL FARP -FATC-H

PANEL SHALL BE MOUNTED HIGH ON WALL.







BUILDING CODES AND STANDARDS	WHEN THE PRE-CHECK BUILDING IS SITE ADAPTED, THE			DES
* 2013 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, CCR 2013 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2, PART 2, TITLE 24, CCR (2012 EDITION INTERNATIONAL BUILDING CODE WITH 2013 CALIF. AMENDMENTS) 2013 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24, CCR	BUILDING SHALL BE ORIENTED PER SOLAR READY DIAGRAM OR THE SITED PC SHALL HAVE A SOLAR ZONE ON ANOTHER BUILDING OR ON COVER PARKING INSTALLED WITHIN 250 FEET OF THE SITED PC WITH A SOLAR ZONE TOTAL AREA NO LESS THAN 15 PERCENT OF THE PC'S TOTAL ROOF AREA. REFER TO ENERGY CODE SECTION	MPA	СТ	FLOOR LIVE LOAD: 50 PSF, 5 ROOF LIVE LOAD: 20 PSF GROUND SNOW LOAD MAXIMU 26 PSF SHELTERED
(2011 EDITION NATIONAL ELECTRICAL CODE WITH 2013 CALIF. AMENDMENTS) 2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR (2012 EDITION UNIFORM MECHANICAL CODE WITH 2013 CALIF. AMENDMENTS)	110.10 (b) 1B	CONSTRUCTION SERVIC		ROOF SNOW LOAD: 20 PSF M Ce=0.9 FULLY EXPOSED, 1.0 Is=1.0 Ct=1.0
2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR) (2012 EDITION UNIFORM PLUMBING CODE WITH 2013 CALIF, AMENDMENTS) * 2013 CALIFORNIA ENERGY CODE, PART 6, TITLE 24, CCR		CONTRACTORS LICENSE #945		RAMP LIVE LOAD: 100 PSF
2013 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, CCR (2012 EDITION INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS) * 2013 CALIFORNIA GREEN CODE, PART 11, TITLE 24, CCR 2013 CALIFORNIA GREEN CODE, PART 11, TITLE 24, CCR		NORTHERN CALIFORNIA SOUTHERN CAL	IFORNIA	FLOOD HAZARD AREA: NO WIND DESIGN:
* EFFECTIVE JULY 1, 2014		ATWATER, CA 95301 PERRIS, CA 9	LEY KNOX BLVD. 2571 1) 943–9999	VuH=WIND SPEED =120MPH RISK CATEGORY = II EXPOSURE = C INTERNAL PRESSURE COEFFICI
2013 NEDA 13 INETALI ATIONI OF EDDINIZI ED EVETELIE (ONLIEODNIA AMENINIENTE)		FAX: (209) 358-0471 FAX: (95	1) 943–9939	Kzt = 1.0 COMPONENTS & CLADDING DE
2013 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CALIFORNIA AMENDMENTS) 2013 NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS 2013 NFPA 17A, DRY CHEMICAL EXTINGUISHING SYSTEMS 2013 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS				DESIGN ROOF DEAD LOAD; 16 DESIGN FLOOR DEAD LOAD; DESIGN FLOOR DEAD LOAD;
2013 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION 2013 NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION 2013 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPLICITEMANCES		ED RELOCATABLE MO		PLYWOOD FLOOR - 8 PSF (+ CONCRETE DECK - 31 PSF (EARTHQUAKE DESIGN DATA;
2013 NFPA 25, INSPECTION, TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS (CALIFORNIA AMENDMENTS) 2013 NFPA 72, NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDMENTS)	PC 02-	114488 (FORMERLY	02-112506)	1. RISK CATEGORY = II 2. Ie = 1.0 3. Ss = 3.0
SEE UL STANDARD 1971 FOR "VISUAL DEVICES" NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2012 EDITION NFPA 253 CRITICAL RADIANT FLUX OF FLODE COVERING SYSTEMS 2006 EDITION	12	X40' TOILET BLDG	MODELS	4. St = 1.389 5. SITE CLASS = D 6. Sos = 1.6 7. Spt = 1.389
REFERENCE CODE SECTION FOR NFPA STANDARDS 2013 CBC (SFM) CHAPTER 35		, A−1, B, B−1, C,		 SEISMIC DESIGN CATEGOI BASIC "SEISMIC" FORCE SHEATHED WITH WOOD S
ABBREVIATIONS	DRAWING SYMBOLS			10. BASE SHEAR = 3157# 11. Cs = 0.246 12. R = 6.5 13. ANALYSIS PROCEDURE US
AB: Anchor Bolt ID: Inside Diometer	DRAWING STMBULS	DRAWING I SHEET NO. ARCHITECTURAL A0.0 TITLE SHEET	NDEX SHET NG STRUCTURAL SOLO STRUCTURAL NOTES AND SPECIFICATIONS	13. ANALYSIS PROCEDURE U 14. NO VERTICAL; OR HORIZO 15. RHO = 1.3
ABV: Above IN: Inch AC: Air Conditioning, Alternating Current INFC: Information ADA: Americans with Disabilities Act of 1982 INT: Interior ADD: Addendum; Addition	2"x4" WOOD STUD OR 3.5" STEEL STUD	A0.1 SPECIFICATIONS AND NOTES A0.2 CONSTRUCTION MATERIALS AND SPECIFICATIONS	S0.1 BUILDING SECTIONS PLYWOOD FLOOR S0.2 BUILDING SECTIONS CONCRETE FLOOR	CLIMATE ZONE: THIS PC IS AN ALL CALIFORNIA CLIMATE ZON
ADDL: Additional ADL: Adjustoble, Adjacent J=BOX: Junctian Box ADL: Adjust, Adjustoble, Adjacent J3T: Joint AFG: Above Finish Forde J1: Joint	2*x8* wood stud or 5.5 steel stud	A0.3 FINISH, DOOR & WINDOW SCHEDULES A0.4 SIGNAGE SPECIFICATIONS AND ACCESSIBILITY	S1.0 FLOOR FRAMING DETAILS PLYWOOD & CONCRETE \$1.0 FLOOR FRAMING DETAILS PLYWOOD & CONCRETE \$1.1 FLOOR FRAMING PLAN-PLYWOOD	В
Al2: American Institute of Architects KW: Kilowott AL1: Atemote, Alteration; Altitude L: Length ALDM: Aluminum L: B: Pound (weight), Lag Balt	1 HR RATED (DARK LINE THROUGH SYMBOL)	A1.A FLOOR PLAN OPTIONS "A" & "A-1" A1.B FLOOR PLAN OPTIONS "B" & "B-1" A1.C FLOOR PLAN OPTIONS "C" & "C-1"	S1.2 FLOOR FRAMING PLAN-CONCRETE	TYPE OF CONSTRUCTION: V-B OCCUPANCY: E
AMT: Amount LH: Left Hond ANCH: Anchor, Anchorage LL: Live Load ANOD: Anodized APPROX: Approximate LWC: Light Weight Concrete	INDICATES DOOR TYPE	A.D FLOOR PLAN OPTIONS "D" & "D-1"	S2.2 ROOF FRAMING PLAN PLYWOOD SHEATHING	NO. OF STORIES: 1 BUILDING AREA: 12'×40' = 48
APRVD: Approved MXX: Maximum APCH: Architect, trachitectural MCDH: Mechanical ASC: Above Suspended Ceiling MFD: Manufoctured	INDICATES WINDOW TYPE	A2.0 REFLECTED CEILING DETAILS	S2.3 ROOF FRAMING PLAN-22 GA	ALLOWABLE AREA: 9,500 SF
ASSIC: American Society of Mechanical Engineers ASSIC: Association: Associate ASTM: American Saciety for Testing and Materiols MIL: One Thousandth of and Inch MIL: Minimum		A2.B REFLECTED CEILING PLAN OPTIONS "B" & "B-1" A2.C REFLECTED CEILING PLAN OPTIONS "C" & "C-1"	S3.1 WALL FRAMING DETAILS-STEEL STUD S3.2 SHEAR WALL FRAMING ELEVATIONS	MODULES: 12'x40'
AVG: Average Milt: Mirror BD: Baard MOD: Module BEL: Below MT: Mount, Mounted		A2.D REFLECTED CEILING PLAN OPTIONS "D" & "D-1"	S3.3 SHEAR WALL PLANS S4.0 ALLOWABLE BEAM AND HEADER PENETRATION	ST
BETW: Between MTL: Moterial, Metal BKR: Broaker (N): New BLDD: Building (N): New BLK: Block NEC: Notionel Electricol Code	3 INDICATES SHEET #	A3.1 ROOF DETAILS-22 GA METAL A3.2 ROOF PLAN MONO & ØUAL SLOPE-22 GA METAL A3.3 ROOF DETAILS-26 GA/METAL		STRUCTURAL DESIGN: SHEAR FOUNDATION: WOOD PAD: 50 ABOVE GRADE
BLKG: Blocking NIC: Not in Contract BM: Beam NTS: Not To Scale BOT: Bottom 0/0: Outside to Outside BP: Base Plote OC: On Center	INDICATES DETAIL #	A3.4 ROOF PLAN MONO & DUAL SLOPE-26 GA METAL A3.5 ROOF DETAILS-TPO		FLUSH TO GRA
BRKR: Breaker OD: Outside Diameter BS: Both Sides OH: Overhang BTU:: British Thermal Units per Hour OPRG: Opening BTU:: British Thermal Units per Hour OPP: Opposite		A3.6 ROOF PLAN MONO & DUAL SLOPE-TPO A3.75R SOLAR READY ROOF PLAN		THIS PC (OR BLDG) IS DESIG
C/C: Center to Center PC: Piece, Pre-Checked CAB: Cabinet PH: Piece, Pre-Checked CHAN: Chonnel PH: Piece	INDICATES SHEET #	A4.A INTERIOR ELEVATIONS OPTIONS "A" & "A-1" A4.B INTERIOR ELEVATIONS OPTIONS "B" & "B-1" A4.C INTERIOR ELEVATIONS OPTIONS "C" & "G-1"	ELECTRICAL E0.5. ELECTRICAL DETAILS & LEGENDES	ALLOWABLE SOIL BEARING:
Cit: Control Joint PLYMD: Plywood Cit: Circuite, Circuit PLLMB: Plumbing CJ: Control Joint PREFAB: Prefabricated CJ: Conterline Cit: Conterline	5'-0" CLEAR FLOOR SPACE FOR	A4.D INTERIOR ELEVATIONS OPTIONS C & C-1 A4.D INTERIOR ELEVATIONS OPTIONS "D" & "D-1"	E1.A ELECTRICAL PLAN OPTIONS "A" & "A-1" E1.ASR SOLAR READY ELECTRICAL PLAN OPTIONS "A" & "A-1"	
CLR: Clear PSF: Pounds per square faot CNRI: Center, Counter PSI: Pounds per square finch COLI: Cleanout, Conduit PT: Pressure Treeded COLI: Column PVC: Polyming Chloride	WHEELCHAIR ACCESSIBLE MANEUVERING WITH 12" MIN. ENCROACHMENT	A5.A EXTERIOR BEVATIONS OPTIONS "A" & "A-1"-WOOD SIDING A5.B EXTERIOR SEVATIONS OPTIONS "B" & "B-1"-WOOD SIDING	E1.B ELECTRICAL PLAN OFTIONS "B" & "B-1" E1.BSR SOLAR READY ELECTRICAL PLAN OPTIONS "B" & "B-1" E1.C ELECTRICAL PLAN OPTIONS "C" & "C-1"	ALLOWABLE USES: THIS PC (0
CONC: Connection QTY: Quantity CONN: Connection RCP: Reflected Ceiling Plan CONST: Construction RCP: Reflected Ceiling Plan CONST: Construction Control REPAR: Reinforcing Bor	~	A5.C EXTERIOR ELEVATIONS OPTIONS "C" & "C-1"-WOOD SIDING A5.D EXTERIOR ELEVATIONS OPTIONS "D" & "D-1"-WOOD SIDING	E1.CSR SOLAR READY ELECTRICAL PLAN OPTIONS "C" & "C-1" E1.D ELECTRICAL PLAN OPTIONS "D" & "D-1"	AUTOMATIC FIRE SPRINKLER S
CRS: Cold Rolled Steel RCCEP: Receptocle REF: Refer, Reference, Refrigerator D: Deep, Depth RED: Require, Required DBL: Double REV: Require, Required	48"x30" CLEAR FLOOR SPACE FOR WHEELCHAIR ACCESS TO FIXTURE	A6.A EXTERIOR ELEVATIONS OPTIONS "A" & "A-1"-STUCCO	EI.DSR SOLAR READY ELECTRICAL PLAN OPTIONS "D" & "D-1" ES:0 ELECTRICAL TITLE 24 REPORTS E5:1 ELECTRICAL TITLE 24 REPORTS	(WHEN APPLICABLE) AUTOMATI HYDRAULICALLY CALCULATED, AVAILABLE AT EACH SITE. PLA PLAN REVIEW SUBMITTAL, AND
DET: Detail RF: Roof DF: Douglas Fir Rough DK: Diometer RH: Right Hand DM: Dimension RD: Reyen Openion		A6.B EXTERIOR ELEVATIONS OPTIONS "8" & "B-1"-STUCCO A6.C EXTERIOR ELEVATIONS OPTIONS "0" & "C-1"-STUCCO A6.D EXTERIOR ELEVATIONS OPTIONS "0" & "C-1"-STUCCO		COUNTER" PROCESS. A COMP PACKAGE MUST BE PROVIDED
DISL: Disposal R1: Right DISP: Dispersar S: South DN: Division S: South DL: Deed Lood \$/S: Side By Side	INDICATES ROOM NAME			THE ARCHITECT OF RECORD (ARCHITECT WILL DETERMINE T
DN: Down SF: Square Foot, Square Feet DWG: Drowing SHTH: Sheet DWGS: Drowings SHTHG: Sheething SHTHG: Sheething	60"x60" CLEAR FLOOR SPACE FOR	A8.0 A#CHITECTURAL DETAILS A8.1 #RCHITECTURAL DETAILS A8.2 SHEET METAL AND FLASHING DETAILS	PLUMBING	REQUIRED OTHERWISE BY THE DATA. ALL GROUP 'E' OCCUPANCY E
E: East SIV: Sierve (E): Existing SPEC: Specification, Specifications EA: Each S0: Square EJ: Exponsion Joint S0: Stainless Steel	WHEELCHAIR ENTRY ACCESS. WHEELCHAIR ACCESSIBLE CLEAR FLOOR SPACE	A9.0 FIRE RATED ASSEMBLIES	PO.0 PENNENING SCHEDULE AND BETAILS PI.A PLUMBING FLAN OPPTON "A" & "A-1"	SPRINKLED PER SECTION 903 EXTERIOR PROJECTIONS ARE 1
EL: Elevator ST: Steel Tube ELEC: Elevator, Elevator, ELEX: Elevator, Elevator, Elevator, Elevator, Stifferer EN: End Nail STI: Steel	AT ACCESSIBLE WATER CLOSET	A10.0 RESTROOM ACCESSORIES SCHEDULE A10.1 RESTROOM ACCESSIBILITY DETAILS	P1.B PLUMBING_FUN OFFICIN "B" & "B-1" P1.C PEXMBING PLAN OFTION "C" & "C-1" P1.T PLUMBING PLAN OFTION "C" & "D-4"	EXTERIOR WALL OPENINGS TO
EPDM: Ethylene Propylene Diene Monomer STRUCT: Structural EQ: Equal EXT: Exterior T&B: Top and Bottom	60"x56" AT WALL MOUNTED WATER CLOSET	A1/A ACCESSIBILITY PLAN A & A-1 A1/B ACCESSIBILITY PLAN B & B-1	RAMP & LANDING	IN ROOMS OR AREAS WITH SE SHOPS AND OTHER SUCH ARE AMOUNTS ARE USED OR STOP
FF: Finished Floor THK: Thick Thickness F6: Finished Grade THK: Thick Thickness THK: Finish, finished THRU: Through		11.C ACCESSIBILITY PLAN D & C-1 A11.C ACCESSIBILITY PLAN D & C-1	R0.0 RAMP & LANDING DETAILS R1.0 RAMP & LANDING PLAN (ATTACHED HANDRAIL)	903.2.3.3. PERMANENT PORTABLE BUILDIN OR HOUSE STUDENTS AND IS
FND: Foundation TPO: Thermo Picatic Olefin FOC: Foce of Concrete TST: Top of Steel FOP: Foce of Finish TSTAT; Thermostat	GRID LINE NUMBER OR LETTER	FOUNDATION F0.0 GENERAL DETAILS	R2.0 RAMP & LADRAGE PLAN (FREE STANDING HANDRAIL) R3.0 RAMP & LANDING PLAN (OFFSET RAMP) R4.0 FTAMP & COMMON LANDING	A NEW PUBLIC SCHOOL CAMP COMPLY WITH THE REQUIREME
FOS: Face of Study, Face of Sill Plote TTP: Ypicol FT: Foot, Feet, Fully Tempered UL: Underwriters' Laboratories FTG: Footing, Fitting UNC: Unless Nated Otherwise		F1.0 WOOD PAD FOUNDATION DETAILS - F1.1 WOOD PAD FOUNDATION PLAN-PLYWOOD FLOOR -	RS.O STAIR & LANDING PLAN & DETAILS	
GAL: Gallon USG: United States Gypsum Company GALV: Galvanized V: Vait GFCI: Ground Fault Circuit Interrupted VERT: Vertical		F1.2 WOOD PAD FOUNDATION PLAN CONCRETE FLOOR - F2.0 ABOVE GRADE CONCRETE FOUNDATION DETAILS -		A PROJECT INSPECTOR EMPLO THE THE DIVISION OF THE ST
GFI: Ground Fault Interrupted VTR: Vent Through Roof G: Golvonized Iron W: West, Width, Wide, Watt	_	F2.1 ABOVE GRADE CONGRETE FOUNDATION PLAN F3.0 FLUSH TO GRADE FOUNDATION DETAILS		INSPECTION OF THE WORK. TH SECTION 4-333 AND 4-342, IN-PLANT INSPECTIONS.
HDR: Header W/O: Without HF: Hem Fir WO: Wood		F3.0 FLUSH TO GRADE FOUNDATION DETAILS F3.1 FLUSH TO GRADE FOUNDATION PLAN		SITE SPECIFIC: COMPLY WITH CFC CHAPTERS
HR: Hour Wr: Waterproor, Weatherproor HT: Height WR: Water Resistant, Woter Repellent WT: Weight				the second

DESIGN PARAMETERS	
PSF, 50+20 PSF, 100 PSF & 125 PSF	
ISF IAXIMUM: 31 PFS FULLY EXPOSED, 28 PARTIALLY EXPOSED,	CONSTRUCTION SERVICES INC.
PSF MAX D, 1.0 PARTIALLY EXPOSED, 1.1 SHELTERED	CONTRACTORS LICENSE #945691 NORTHERN CALIFORNIA DM/SION 450 COMMERCE AVE. ATWAITER, CA 93301 PERRS, C4 92371
PSF	PHONE: (209) 580-6506 PHONE: (951) 943-9999 FAX: (209) 580-6503 FAX: (951) 943-9430
NO	WEBSITE: WWW.IMPACTCONSTRUCTION.COM
OMPH	THIS DRAWING AND THE MATERIAL CONTAINED THERE—IN ARE THE PROPERTY OF IMPACT CONSTRUCTION SERVICES, INC. AND SHALL NOT INDIRECTLY AND SHALL NOT BE LISED IN HOLE CAN INTO ASSIST IN THE MAINING OF OR TOR THE PURPOSE OF FURNESHING ANY INFOMMATION FOR THE WANN OF CRAIMINGS, IMPILS APPAATUS CAN PARTS THEREOF WITHOUT THE FULL INCOMEDOE AND WRITEIN CONSDIT OF MACT CONSTRUCTIONS SERVICES, INC. ALL PARTYNALE MATERIA SERVICES, INC. SHALL BE THE PROPERTY OF IMPACT CONST SERVICES, INC.
DEFFICIENT = ±0.18	INFORMATION FOR THE WARNE OF DRAWINGS, PRINTS APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITEN CONSENT OF IMPACT CONSTRUCTION SERVICES, INC. ALL PATENTABLE MATERIAL CONTAINED LEGENA AND OPCIMENTO WITH INFORCEMENTION
ING DESIGN BY PC ENGINEER OF RECORD	
AD: 16 PSF (BEAMS AND TRUSSES)	PROJECT NAME:
DAD: PSF (+15 W/ PARTITIONS), PSF (+15 W/ PARTITIONS)	
ATA:	
	SHEET TITLE:
	TITLE SHEET
ATEGORY = E 'ORCE RESISTING SYSTEM - LIGHT FRAME WALLS OOD STRUCTURAL PANELS 157∯	
	MFR. STRUCTURAL ENGINEER OF RECORD ON PC
URE USED = EQUIVALENT LATERAL FORCE PROCEDURE HORIZONTAL IRREGULARITIES	REFESSION
	and the second second
C IS APPROVED FOR THE 2013 CALIFORNIA ENERGY CODE IN E ZONES	40. 3602 34
	DP. 06/30/15
BUILDING DATA	MAY 0.5 2015
N: V-B	MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD
' = 480 SF (600 SF MAX WITH OPTIONAL OVERHANGS)	
0 SF	
5. 577	
	1
STRUCTURAL DATA	ARCHITECT OF RECORD
HEAR WALL 7AD: 50, 50+20, 100 & 125 PSF GRADE CONCRETE: 50, 50+20, 100 & 125 PSF TO GRADE CONCRETE: 50, 50+20, 100 & 125 PSF	
1/2" MIN FROM OTHER EXISTING OR FUTURE BUILDINGS REASURED FROM ITS FARTHEST PROJECTION DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A M	
NG: WOOD FOUNDATION: SEE SHEET SO.0	
CONCRETE FOUNDATION: SEE SHEET S0.0	PROJECT SPECIFIC STATE AGENCY APPROVAL
FIRE LIFE SAFETY	
PC (OR BLDG) IS NOT APPROVED FOR 'A' OCCUPANCY	1
TOMATIC FIRE SPRINKLER SYSTEMS ARE PERMITTED TO BE	
ATED, PER NFPA 13, TO MEET THE WATER SUPPLY E. PLANS FOR SUCH SYSTEMS MAY BE SUBMITTED AS A L, AND MAY NOT BE REVIEWED UTILIZING THE "OVER THE	DDC PUTOU (DAL PARTITION
COMPLETE AUTOMATIC FIRE SPRINKLER SYSTEM SUBMITTAL VIDED AT THE TIME OF THE PLAN REVIEW SUBMITTAL	PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS
	REQUIRED
CORD (DESIGNER) OR THE DIVISION OF THE STATE MINE THE USE OF A FIRE SUPPRESSION SYSTEM UNLESS	DENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
BY THE TYPE OF CONSTRUCTION LISTED ON THE BUILDING	PC,02-114488
ANCY BUILDING GREATER THAN 12,000 SF SHALL BE FIRE	FILE #: PC-80
IN 903.2.3.1	ACT FLEWERESSTRONOR
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS	REVISIONS
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 GS TO COMPLY WITH SECTION 705.8	ALL FLEXING STREET PEAC BATE: 124-1010 REVISIONS A -
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 GS TO COMPLY WITH SECTION 705.8 WTH SPECIAL HAZARDS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARDOUS MATERIALS IN EXEMPT	REVISIONS
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 IGS TO COMPLY WITH SECTION 705.8 WTH SPECIAL HAZARDS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARDOUS MATERIALS IN EXEMPT	AL FLEWERS TRANSPORT
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 IGS TO COMPLY WITH SECTION 705.8 WTH SPECIAL HAZAROS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARODUS MATERIALS IN EXEMPT R STORED SHALL BE FIRE SPRINKLED PER SECTION BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE	AL FLEMENS TREATING AC
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 IGS TO COMPLY WITH SECTION 705.8 WTH SPECIAL HAZAROS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARODUS MATERIALS IN EXEMPT R STORED SHALL BE FIRE SPRINKLED PER SECTION BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE	All Figure Strate Contract DATE D24-1010 PAC REVISIONS
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 IGS TO COMPLY WITH SECTION 705.8 WTH SPECIAL HAZAROS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARODUS MATERIALS IN EXEMPT R STORED SHALL BE FIRE SPRINKLED PER SECTION BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE	Act Figure Sol Tract (PAC DATE: D2 - 24-2010 REVISIONS A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A -
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 IGS TO COMPLY WITH SECTION 705.8 WITH SPECIAL HAZARDS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARDOUS MATERIALS IN EXEMPT R STORED SHALL BE FIRE SPRINKLED PER SECTION BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE AND IS CERTIFIED, AS A PERMANENT PORTABLE BUILDING ON C CAMPUS BY THE PUBLIC SCHOOL ADMINISTRATION SHALL UIREMENTS OF SECTION 903.2.3	Action Flow Residence (PAC) REVISIONS A B </td
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 IGS TO COMPLY WITH SECTION 705.8 WITH SPECIAL HAZAROS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARDOUS MATERIALS IN EXEMPT R STORED SHALL BE FIRE SPRINKLED PER SECTION BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE AND IS CERTIFIED, AS A PERMANENT PORTABLE BUILDING ON L CAMPUS BY THE PUBLIC SCHOOL ADMINISTRATION SHALL UIREMENTS OF SECTION 903.2.3	Act Figure Sol Tract (PAC DATE: D2 - 24-2010 REVISIONS A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A - A -
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 IGS TO COMPLY WITH SECTION 705.8 WITH SPECIAL HAZAROS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARDOUS MATERIALS IN EXEMPT R STORED SHALL BE FIRE SPRINKLED PER SECTION BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE AND IS CERTIFIED, AS A PERMANENT PORTABLE BUILDING ON L CAMPUS BY THE PUBLIC SCHOOL ADMINISTRATION SHALL UIREMENTS OF SECTION 903.2.3	All Figure Strett of AL DRTE D2 - 10 KP REVISIONS A A A A A A A A B A A A B
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 IGS TO COMPLY WITH SECTION 705.8 WITH SPECIAL HAZARDS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARDOUS MATERIALS IN EXEMPT R STORED SHALL BE FIRE SPRINKLED PER SECTION BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE AND IS CERTIFIED, AS A PERMANENT PORTABLE BUILDING ON C CAMPUS BY THE PUBLIC SCHOOL ADMINISTRATION SHALL UIREMENTS OF SECTION 903.2.3	All Flow Best Treater (PAC BATE F2 - 10 10 REVISIONS
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 IGS TO COMPLY WITH SECTION 705.8 WITH SPECIAL HAZAROS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZAROUS MATERIALS IN EXEMPT R STORED SHALL BE FIRE SPRINKLED PER SECTION BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE IND IS CERTIFIED, AS A PERMANENT PORTABLE BUILDING ON CAMPUS BY THE PUBLIC SCHOOL ADMINISTRATION SHALL UIREMENTS OF SECTION 903.2.3 MOTES EMPLOYED BY THE DISTRICT (OWNER), AND APPROVED BY THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS SRK. THE DUITES OF THE INSPECTOR ARE DEFINED IN I-342, PART 1, TITLE 24, CCR. CLASS R.B.I.P. FOR	All Flow Best Treater (PAC BATE F2 - 10 10 REVISIONS
ARE TO BE FIRE PROTECTED UNLESS PROJECTIONS 705 AND 1406 GS TO COMPLY WITH SECTION 705.8 WITH SPECIAL HAZARDS SUCH AS LABORATORIES, VOCATIONAL CH AREAS WHERE HAZARDOUS MATERIALS IN EXEMPT R STORED SHALL BE FIRE SPRINKLED PER SECTION BUILDINGS: A PORTABLE BUILDING THAT IS USED TO SERVE IND IS CERTIFIED, AS A PERMANENT PORTABLE BUILDING ON CAMPUS BY THE PUBLIC SCHOOL ADMINISTRATION SHALL UIREMENTS OF SECTION 903.2.3 NOTES EMPLOYED BY THE DISTRICT (OWNER), AND APPROVED BY THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS SIK. THE DUITES OF THE INSPECTOR ARE DEFINED IN	All Figure Strett of AL DRTE D2 - 10 KP REVISIONS A A A A A A A A B A A A B

GENERAL SPECIFICATIONS

- THE REQUIREMENTS OF THE GENERAL CONDITIONS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY THE REQUIREMENTS OF THE GENERAL CONDITIONS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. TIEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE
- THEMS OF EQUAL OF BEITER QUALITY MAY BE SUBSTITUTED FOR THE USTED BRAND NAMED PRODUCTS. ALL WORK TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF CALFORNIA BUILDING CODE 2013, TITLE 24 PART 2,3,4,5,9 AND TITLE 24, PART 1, GROUP 1. A COPY OF THESE REGULATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES, ALSO REFER TO THE DIVISION OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION C. INTERPRETATIONS OF REGULATIONS", SEE ESPECIALLY IR 16-1. THESE STRUCTURES ARE DESIGNED PER THE MODIFIED REQUIREMENTS
- TEMPORARY FOUNDATIONS (UNO). CHANGES IN PLANS AND SPECIFICATIONS SHALL BE MADE BY THE D. CHANGES IN PLANKS AND SPECIFICATIONS SHALL BE MADE BY THE ADDENDUM OR CONSTRUCTION CHANGES PER T24, SIGNED BY THE ARCHITECT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE ANY RELATED WORK CAN BEGIN. CONSTRUCTION CHANGES PER T24 SHALL ALSO BE SIGNED BY THE OWNER PRIOR TO APPROVAL BY DSA.

- APPROVAL BY DSA.

 APPROVAL BY DSA.

 AMTERIALS AND WORKMANSHIP:

 A. ALL WORK SHALL BE SKILED AND QUALIFIED FOR THE WORK WHICH
 THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED,
 SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED,
 B. WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT
 REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT.
 C. THE CONTRACTOR SHALL CERTIFY THAT NO ASBESTOS CONTAINING
 BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED
 SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF
 RELOCATABLE FACILITIES.
 D. TESSING: TESTS OF MATERIALS SHALL BE RY A PERSON OR TESTING
 AND ARCHITECT. THE OWNER SHALL BE RESPONSIBLE FOR THE
 CABORATORY SELECTED BY THE FAILURE OF ANY MATERIAL TO PASS.
 E ERECTION AT THE STILE THE BUILDING SHALL BE TRANSPORTED,
 ERECTED AND SET ON FOUNDATION AS REQUIRED BY A LICENSED
 TRANSPORT, ALL REQUIRED BY THE FAILURE OF ANY MATERIAL TO PASS.
 E ERECTION AT THE SCHOOL DISTRICT SHALL BE TRANSPORTED,
 SKILLED LABOR OF THE MANUFACTURER/CONTRACTOR, BUT WILL NOT
 INCLUDE UTILITIES SERVICE CONNECTION.
 F. SITE WORK: THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE
 SITE FOR THE INSTALLATION OF THE BUILDING, SHAULD ET TAMPORTED,
 OF BUILDING, SPRINKLERS, ETC. NECESSARY FOR THE MOVE-IN
 OF BUILDING, SHAULB BE TAMPORTED,
 STRE FOR THE INSTALLATION OF THE BUIDDING. REMOVAL OF THEES,
 SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR THE MOVE-IN
 OF BUILDING SHAULB BE TAMPORTED OF THE UNDING. REMOVED ACCESS TO THE
 SITE FOR THE INSTALLABL OF THE SEMOND ON THE APPROVED
 OF SHRUES, FICUNG, SPRINKLERS, ETC. NECESSARY FOR THE MOVE-IN
 OF BUILDINGS SHAULB BE CONNECTION. ENGINEER FOR THE INSTALLATION OF THE RELOCATABLE BUILDING(S) THAT ARE LEVEL AND HAVE STABLE SOL CONDITIONS WITH ADEQUATE SITE DRAINAGE, EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR, IF
- AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR. IF ADDITIONAL GRADING AND/OR LEVELING IS NECESSARY FOR PROPER INSTALLATION OF MODULAR UNITS, THE ADDITIONAL CHARGE WILL BE THE RESPONSIBILITY OF THE OWNER. UTILITIES: THE OWNER WILL BE RESPONSIBLE FOR ANY AND ALL UTILITY, FIRE ALARN OR SPECIAL ELECTRICAL SIGNAL SYSTEM CONNECTIONS EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR. G.

- 2. SCOPE OF WORK: A THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AND A THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AND
- THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AN INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS. TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMULY AT THE SITE THE CONDITION OF THE SITE SHALL BE THE RESPONSIBILITY OF THE CHURCH DETAILS.
- THE CONTRICT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS
- COMPLY WITH APPLICABLE SAFETY REGULATIONS <u>ASSEMBLY</u> A. IN A LOCATION AS DETERMINED BY THE SCHOOL DISTRICT, THE CONTRACTOR SHALL PLACE CONCRETE LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS. B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. CREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUM
- OR BUMPING. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE C.

- INSPECTION ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA
- ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) RELATING TO INSPECTIONS AND VERFIED REPORTS SHALL BE COMPUED WITH AND SHALL INCLUDE: A. GENERAL RESPONSIBLE IN CHARGE OF FIELD ADMINISTRATION IS BY THE ARCHITECT OF RECORD. B. INSPECTION OF IN-PLANT WORK DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT'S ARCHITECT OR OWNER. THE INSPECTOR SHALL BE RESPONSIBLE TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BY THE SCHOOL DISTRICT OR OWNER.
- C.
- OF THESE INSPECTIONS SHALL BE BIT THE SCHOOL DISTRICT OR OWNER. ON STIE INSPECTION OF THE BUILDING SHALL BE PERFORMED BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT OR OWNER. OTHER SPECIAL TESTS OR INSPECTIONS, SUCH AS CONCRETE AND CONCRETE REINFORCEMENT PLACEMENT, MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. D.

- WORK NOT INCLUDED:
 ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
 ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS, WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 FIRE ALARM COMPONENTS ONLY, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

GENERAL DESIGN REQUIREMENTS:

THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS, ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE OWNER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.

REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND OTHER INFORMATION NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS

DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE PROVIDED DIMENSIONS AND ELEVATIONS SHOWIN ARE APPROXIMATE AND ARE PROVI AS AN AD IN INTERPRETING THE DRAWINGS ONLY, DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS, IN THE EVENT OF CONFLICT, DIMENSIONS AND ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS SHALL GOVERN. DRAWING SCALES GIVEN ARE APPROXIMATE - DO NOT SCALE PLANS OR DETALS.

WHERE THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND TYPICAL DETAILS SHALL GOVERN.

TYPICAL DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE ON THE

DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO DETAILS FOR SIMILAR CONSTRUCTION SHOWN ON THESE DRAWINGS.

NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH (2) METAL From Module spheric to the subminimum size of the subminimum size methods and the subminimum size mechanically faster one tag visible from the exterior and the other to the interior frame above the celling at the end of the module. The tag shall have HE FOLLOWING INFORMATIO

A DSA APPLICATION NUMBER BASIC WIND SPEED, EXPOSURE, DESIGN ROOF LIVE LOAD
 DESIGN FLOOR LIVE LOAD

- BUILDER'S NAME

- F. PLANT INSPECTOR/ID MARK G. SERIAL NUMBER

STRUCTURAL FRAME - EACH MODULE SHALL BE DESIGNED AS A SHEAR WALL STRUCTURE TO WITHSTAND VERTICAL AND HORIZONTAL LOADS AND COMPLY WITH FEQUIREMENTS OF THE DIVISION OF THE STATE ARCHITECT. THE NECESSARY PROVISIONS ARE INCORPORATED IN THE STRUCTURE TO PERMIT THE RELOCATION OF THE STRUCTURAL FRAME IN SECTIONS NOT EXCELDING 12 FEET IN WIDTH.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND EAUN MUDULE SHALL BE UNABLE UT RESISTING ALL VERTICAL MOU LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION IS ACCEPTABLE). WHEN MODULES ARE ASSEMBLED, JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE

EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE UFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE, EVDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPHINON OF THE ACENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE, SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

PROVIDE OPENINGS, CURBS, FRAMING AND/OR SUPPORTS FOR ITEMS INDICATED ON ARCHITECTURAL, MECHANICAL, ELECTRICAL OR OTHER DRAWINGS INCLUDED IN CONSTRUCTION DOCUMENTS.

 $\underline{\mbox{FRAMING}}$ - ROOF, WALLS AND FLOOR: FRAMING MEMBERS SHALL BE OF THE GRADE AND SIZE CALLED FOR ON THE STRUCTURAL PLANS.

ROOF OVERHANG - ALL OVERHANGS SHALL PRESENT A PLEASING AND HOLD OVERHANG - ALL OVERHANGS SHALL PRESENT A PLEASING AND FINISHED APPEARANCE. SOFFIT MATERIAL, WHEN USED, SHALL BE 3/8" MIN EXTERIOR SIDING, PLYWOOD SOFFIT MATERIAL SHALL BE APPLIED WITH EXPOSED GAIN RUINNING PARALLEL TO THE LEGGTH OF THE BUILDING. SOFFIT SHALL BE NEATLY AND CLOSELY FITTED AND TRIMMED TO COVER GAPS. ALL BUCLOSED SOFFIT AREAS SHALL BE VENTUATED PER THE CBC

FLOOR - THE FLOOR SHALL BE STEEL FRAMED WITH A DESIGN LIVE LOAD OF 50 LBS PER SQUARE FOOT UNLESS OTHERWISE NOTED ON THE DRAWINGS. THIS DOES NOT APPLY TO A SLAB ON GRADE CONDITION.

<u>FIRE EXTINGUISHER</u> - UL 2A:10BC, PRESSURE TYPE, +48" TO EXTINGUISHER HANDLE. +48" TO FIRE EXTINGUISHER HANDLE WHEN PROVIDED.

BUILDING INSULATION — SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL FLAME SPREAD — MAX 25, SMOKE DEVELOP — MAX 450

BUILDING VENTILATION - PER SECTION 1203.3.1.: OPENINGS FOR UNDER-FLOOR VENTILATION SHALL NOT BE LESS THAN 1 1/2 SQUARE FEET (0.135 m³) FOR EACH 25 LINEAR FEET (7620 LINEAR RUN) OF EXTERIOR WALL THEY SHALL BE COVERED WITH CORROSION-RESISTANT WIRE MESH WITH MESH OPENINGS NOT LESS THAN 1/4 INCH (6.4 mm) NOR MORE THAN 1/2 INCH IN ANY DIRECTION.

WHEN MODULE IS RELOCATED - DO NOT REINSTALL NAILS OR SCREWS IN

ELECTRICAL

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FXTURES IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.

CARPENTRY

1. SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY

2. MATERIALS LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULES NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU OR "WESTERN LUMBING FOR GRADING RULES 2011 EDITION" OF WESTERN WOOD PRODUCTS ASSOCIATION. PLYWOOD GRADE MARKED IN ACCORDANCE

WITH "PRODUCT STANDARD PS 1-07 FOR STRUCTURAL PLYWOOD" OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH CURRENT CBC

MERICAN PLYWOOD ASSOCIATION, COMPLYING WITH CURRENT CBC FERRENCE STANDARDS HEADERS, HEM FIR STUD GRADE OR BETTER PLATES: HEM FIR STUD GRADE OR BETTER BLOCKING; HEM FIR STUD GRADE OR BETTER MASONRY, ASPHALT OR EARTH-HEMLOCK FIR PRESSURE TREATED WITH PRESERVATIVE AS SPECIFIED IN 2303.18 OF CBC AWPA STANDARD UL AND M4; 2X GRADE MEMBERS CUT ENDS DIPPED IN PRESERVATIVE (CHEDNAL)

PRESERVATIVE (CUPONAL). <u>PLYWOOD ROOF DECKING:</u> APA C-D GRADE, GROUP 1, EXPOSURE WITH EXTERIOR GLUE, ON OVERHANGS, C-C PLUGGED AND TOUCH

SANDED SANDED PLYWOOD FLOOR DECKING; APA STURD-I-FLOOR 48" OC 1-1/8" TONGUE AND GROOVE FLOOR SHEATHING. EXTERIOR SIDING/SHEATHING; APA TYPE 303, EXTERIOR, MDO 8" OC, SIDING, SHEATHING 1/2" CDX. STUDS AND POSITS; HEM FIR STUD GRADE FASTENERS; ALL NAILS SHALL BE CORROSION RESISTANT PER CBC SECTION 2304.9.1.1 & 2304.9.5 BUILDING TRML 1X RESAWN SELECT HF OR MASONITE DOOR JUNDOW TRIM: 1X RESAWN HE

R. DODRYMINLOW TIEME 1X4 RESAWN HF <u>3. WORKMANSHIP</u> A. ERAMING: SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CLIF, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES. <u>NAILING</u> IN ACCORDANCE WITH CBC TABLE 2304.91, NAILS SHALL BE CORROSION RESISTANT BOX NAILS PRE 2304.91, NAILS SHALL BE CORROSION RESISTANT BOX NAILS PRE 2304.91, NAILS SHALL BE CORROSION RESISTANT BOX NAILS PRE 2304.91, NAILS SHALL BE CORROSION RESISTANT BOX NAILS PRE 2304.91, NAILS SHALL BE CORROSION RESISTANT BOX NAILS PRE 2304.91, NAILS SHALL BE CORROSION DEVENTOR AND STRUCTURAL MEMBERS PROVIDING WEATHERROOF AND WATERTIGHT SEAL. NECESSARY CLOSURES, SEALS, FLASHING PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENING: SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE. PLYMOD SHALL HAVE A MINIMUM THICKNESS OF 3/67. IF NAIL HEADS PENERRATE THE OUTER PLY MORE THAN WOULD BE NORMALCE. PLYMOD SHALL HAVE A DISTINUMUM THICKNESS OF JOR'S IF NAIL HEADS PENERRATE THE OUTER PLY MORE THAN WOULD BE NORMANCE ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY

TRIM SEALED AT ALL EDGES, SEALANT PAINTED TO MATCH TRIM OR

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO SEAL THE BUILDINGS.

MOISTURE BARRIER: ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE

ALL WEATHER-EXPOSED SUPACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING, SUCH BARRIER SHALL BE EQUAL TO THAT PROVDED FOR IN THE CBC 1404.2 & 2510.6. BARRIER SHALL BE FREE FROM HOLES AND BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE BUILDING PAPER.

 $\frac{7BAP:}{7}$ all horizontal joints in siding shall be protected by Galvanized "Z bar- 3/4 x 5/8 x 3/4" flashing. Frashing meets the underside of an expression where skirting meets the underside of an express distal frame. And the skirting is recessed supercently to protect the top edge of plywood. Apply sealant to seam for weather-resistance.

ALL MECHANICAL, PLUMBING. AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED ON BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC. SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26, 30

ALL PERMANENT EQUIPMENT AND COMPONENTS.
 TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
 MOYABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENTS OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, NEED TO BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCATED DUCTWORK, PIPING AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WAIL

FOR THOSE ELEMENTS THAT DO NO REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

MATERIALS: WULKEM" SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL OR APPROVED EQUAL, TO BE USED AT ALL STANDING SEAM ROOFING DETAILS. I. SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT, IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, REFER TO TABLE 5.504.4.1 AND TABLE 5.04.4.2 AND SCAQUD RULE 1168 VOC LIMITS

SIDING RETIGHTEN ALL BOLTS BEFORE CLOSING IN THE DESIGN MOISTURE CONTENT OF LUMBER IS 19% OR LESS BEFORE FABRICATION, OTHER REVISION THRU CHANGE ORDER WILL BE

DOOR/WINDOW TRIM: 1x4 RESAWN HF

INSATISFACTORY

SEALANT & WEATHER RESISTANT

EQUIPMENT ANCHORAGE NOTES

A WALL.

REQUIRED

E.

2. MATERIALS: ALL NEW COMPLYING WITH REQUIREMENTS OF CBC AND NFPA

- В.
- ELECTRIC METALLIC TUBING: COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. PANEL BOARDS: FLUSH MOUNTED WITH HINGED DOORS AND INDEXED CARD HOLDERS. CONDUCTORS: COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SONDUCTORS: COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE-C.
- #12. RECEPTACLE: GENERAL ELECTRIC 5242-2 OR EQUAL, +15" AFF MIN
- RECEPTALE: GENERAL ELECTRIC 5242-2 OR EQUAL, +15 APP MIN TO BITM OF BOX.
 CLOCK RECEPTACLE: EAGLE OR EQUAL
 SWITCHES: GENERAL ELECTRIC 5901-2 OR EQUAL, +48" APF MAX TO TOP OF BOX.
 2*4* FULORESCENT DROP IN LIGHT FIXTURE ACRYLIC PRISMATIC LENS, DBL BALLAST, MACHTIC ENERGY EFFICIENT (3) 34 WATT T-8
- H.
- LENS, DBL. BALLAST, MAGNETIC ENERGY EFFICIENT (3) 34 WATT T-8 TUBES WEIGHT 27 LBS (UNO) ALL ELECTRICAL WIRING 110V AND GREATER SHALL BE IN CONDUIT SYSTEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF CEC MINIMUM SIZE CONDUIT IS 1/2" MIN ACCEPTABLE CONDUIT SIGD ELECTRICAL METALLIC TUBING (EMT): GALVANIZED THIN WALL FLEXIBLE (INTERIOR): GALVANIZED STEEL FLEXIBLE (EXTERIOR): GALVANIZED STEEL FLEXIBLE (EXTERIOR): GALVANIZED STEEL ALL CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND SHALL BE SECURED IN CONFORMANCE WITH CEC FIELD BENDS SHALL BE SAUCIPED WHEREVER POSSIBLE. WHERE BENDS MUST BE MADE, USE AN ADROPORTATE "WITCEV" AND ECHNING MEMATING DERVING
- AN APPROPRIATE "HICKEY" OR BENDING MACHINE. REAM AND DEBUR ALL CONDUIT PRIOR TO INSTALLATION AND TERMINATE IN APPROPRIATE BUSHINGS OR CONNECTORS, JACKET. WIRING SHALL BE #14 MIN COPPER TYPE TW, THW, THWN AS APPLICABLE. CONDUIT FILL SHA SHALL COPPER THE IW, HWW, HWW AS APPLIABLE, COMOUNT FILL SHALL NOT EXCEED BEQUIREMENTS OF CEC & SEPARATE GROUNDING CONDUCTOR SHALL BE PULLED THROUGHOUT THE ENTITIES SYSTEM CARE SHALL BE TAKEN TO AVOID DAMAGE TO WIRE OR INSULATION DURING PULLING, POWDERED SOAPSTONE OR A PULLING COMPOUND SUCH AS "YELLOW 77" LUBRICANT MAY BE USED IF NECESSARY.

3. WORKMANSHIP MATERIAL AND EQUIPMENT INSTALLED IN A SECURE, NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS, PANEL BOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.

GROUNDING OF BUILDING COMPONENTS

- THE OWNER, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, SHALL BE THE RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE BUILDING ELECTRICAL SYSTEM PER CEC TABLE 250 AND DSA IR E-1.
- 2. THE PROJECT INSPECTOR SHALL WITNESS AND VERIFY THE GROUNDING

PAINTING

1. SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT CUNTRACTUR STATLE FRONTEE ALL CABOUR, MATERNALS AND SERVICES TO FAIL BUILDINGS. ALL EXPOSED SURFACES OF BUILDINGS AND RAMP SHALL BE PAINTED EXCEPT ALLMINUM WINDOW FRAMES AND THRESHOLDS, CFC CHAPTER 15, REFERENCE TO VOC LIMITS PER TABLE 5.504.3 OF TITLE 24, PART 11

- 2. <u>MATERIALS</u> A. EXTERIOR WOOD- VISTA BRAND 4100 PRIMER, 6000 FINISH (OR EQUAL) B. INTERIOR TRIM- VISTA BRAND 7000 FINISH (OR EQUAL) C. METAL- VISTA BRAND 7000 FINISH (OR EQUAL)

- 3. WORKMANSHIP A. EXTERIOR- WOOD SIDING, TRIM AND SKIRTING- APPLY TWO COATS OF
- EXTERIOR WOOD SIDING, THIM AND SKIRTING- APPLY TWO COATS OF EXTERIOR TRIM- TRIM NOT PRE COATED SHALL BE PAINTED WITH TWO COATS OF SEMI GLOSS LATEX OVER PRIMER. METAL- ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALXYD FINISH COAT OVER SHOP COAT. RAMP- ONE COAT OF NONSKID SURFACING. С.
- D.

MECHANICAL SECTION

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE ARE CONDITION SYSTEM AS SHOWN ON THE DRAWINGS INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, ORILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.

F.

2. WORKMANSHIP: UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

- ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. 3. EQUIPMENT: SEE A/C INFORMATION SCHEDULE FOR SIZE AND TYPE A FACTORY MADE AIR DUCTS, FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF CMC. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFIED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING. B. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN SULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN SULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN SULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS MATERIALS, TAPES AND A SMOKE DENSITY OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUMES INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED, SECTION 720, 2013 CBC

- CBC MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPMENT RATING OF NOT MORE THAN 50. ARE FLILERS, AIR FLICERS SHALL COMPLY WITH THE STANDARD FILTER UNITS & TEST PERFORMANCE THAT IS REFERENCED IN CHAPTER 17, be checked and the standard statement of the C. D

UNITS & TEST PERFORMANCE THAT IS REFERENCED IN CHAPTER 17, AS CLASS 1 OR II, CMC <u>PIPE AND TUBING</u> INSULATION AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD-RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH CBC SECTION 720.7

STRUCTURAL AND MISC STEEL

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND AS SPECIFIED AND INDICATED ON THE DRAWINGS, AND SERVICES REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL

2. MATERIALS: REFER TO SHEET SO.0 FOR STRUCTURAL STEEL AND COLD FORMED STRUCTURAL STEEL INFORMATION

3. WORKMANSHIP A. NAILS, BOLTS, SCREWS, NUTS, ETC. EXTERIOR WORK SHALL BE CADIUM PLATED OR GALVANIZED. HANDRAILS FOR STAIRS AND RAMPS: SEE RAMP OR STAIR SHEETS

HANDHAILS FOR STAIRS AND RAMPS: SEE RAMP OR STAIR SHEETS SHOP PAINT: 1. EXPOSED STEEL COATED WITH ONE COAT SHOP COAT 2. NON-EXPOSED STEEL COATED WITH ONE COAT SHOP COAT 3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOPS COAT TESTS: PROVIDE MILL CERTIFICATES OR TEST ALL MEMBERS, WELDS DIMINION FOR THE DEVICED FOR THE ALL MEMBERS. SHALL BE INSPECTED AND/OR TESTS ON TEST ALL MEMBERS, WELDS SHALL BE INSPECTED AND/OR TESTED PER SECTION 1705A.22.5 E. PERFORM SPECIAL INSPECTION FOR INTUMESCENT FIRE RETARDANT COATINGS PER SECTION 1705A.13

ACOUSTICAL CONTROL

в.

D.

WHEN THE PRE-CHECK BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH THE CALGREEN CODE SECTION 5.07.4 FOR THE SPECIFIC SITE LOCATION, AND WHEN THE INEW PC BUILDING IS PLACE ADJACENT TO ANOTHER EXISTING PC BUILDING (WITH ZERO SEPARATION), THE ADJOINING WALL SECTION FOR INTERIOR SOUND TRANSMISSION MUST MEET THE MINIMUM REQUIREMENT OF A STC RATING OF 40 PER SECTION 5507.4.3

SHEET METAL

1. SCOPE OF WORK: CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND SERVICES TO INSTALL INDICATED SHEET METAL.

MATERIALS: A. SHEET METAL- STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A123.
 B. SOLDER- OF SINNDARD BRAND, GRADE A OF EQUAL PARTS LEAD AND TIN ASTM B32.
 C. FLUX- ZINC SATURATED MURATIC ACID.

<u>3. WORKMANSHIP:</u> SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRANGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE, EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT.

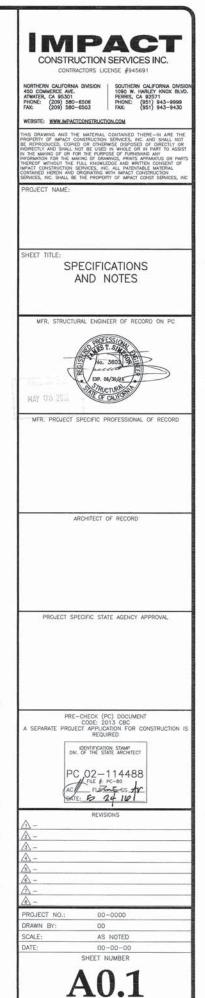
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6, AND 2013 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



RESILENT FLOORING: RESILENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047 WILL BE ACCEPTED AS MEETING THE INTENT OF SUP RESISTANCE. CBC 1248.1/ADA STANDARDS 4.5.1. AT LEAST 80% OF THE FLOOR AREA RECEIVING RESILENT FLOORING AND SHOWN THAT AT LEAST ONE OF THE FOUR TESTING OR PRODUCTS MEET THE REQUIREMENTS SHOWN ON SECTION 5.504.4.6

QUARRY TILE FLOORING SHALL HAVE A COEFFICENT OF FRICTION OF AT LEAST D.6 PER ASTM C-1D28, AND CBC 11B-3D2.1

QUARRY THE FLOORING:

CERAMIC TILE FLOORING SHALL HAVE A COEFFICIENT OF FRICTION OF AT LEAST D.6 PER ASTM C-1028, AND CBC 11B-302.1

TOP SET BASE BURKE MOLDED RUBBER 1/8" THICK, 4" HEIGHT, COVE STYLE #502-P, OR

COMP-1, CLASS-2, AND ASTM F970, 75, PSL, FIRE RATED PER ASTM F648 FLAMMABILITY CLASS-1, AND ASTM E662 SMOKE DENSITY MAX 450. MIN COEFFICIENT OF FRICTION TO BE D.6 PER ASTM D2D47

VINYL COMPOSITION TILE: 12" SQUARE, MINIMUM 1/8" THICK, PERFORMANCE RATED PER ASTM F1066.

HIL BREEL FEMORIEN. MINIMUM WEAR LAYER .050° THICK, PERFORMANCE RATED PER ASTM F1303-90 TYPE-II, GRADE-1, GLASS-A, AND ASTM F97D 125 PSI, FIRE RATED PER ASTM E648 FLAWABILITY GLASS-1, AND ASTM E662 SMOKE DENSITY MAX 450. MIN COEFFICIENT OF FRICTION TO BE D.6 PER ASTM D-2047 & CE SECTION 11B-302

VINYL SHEET FLOORING

3. NSF/ANSI 140 AT THE GOLD LEVEL 4. SCIENTFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE.

1. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM. 2. CAUFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD PRACTICE FOR THE TESTING OF VOCS (SPECIFICATION 01350).

PER SECTION 5.5D4.4.4 ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF ONE OF THE FDLLOWING:

<u>CARPETI</u> PROVIDE GLUE-DOWN OR FIRM CUSHION, PAD OR BACKING OR NO CUSHION PRO; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT PILE OR LEVEL-CUT/UNCUT PILE TEXTURE: THE MAXIMUM PILE HEIGHT SHALL BE 1/2^{*} PER SECTION 118-302.2 EVPOSED EDGES OR CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRM ALONG THE SHITRE LENGTH OF THE EVPOSED EDGE. CARPET EDGE TRM SHALL NOT EXCEED 0.45 WATTS PER SQUARE CONTINUER.

FLOORING:

ACOUSTIC LAY-IN CEILING PANELS: LIGHT REFLECTIVE LR-1, FIRE RATED CLASS-A PER ASTM E-84. VINYL FACED FIBERCIASS, 5/8⁴ THICK, AMBXTRONG OR EQUIV. CLASS A: FLAME SPREAD 25 (UL LABELED) PER ASTM E-1264. SMOKE DEVELOP MAX 450

SUSPENDED T-BAR SYSTEM: PERFORMANCE RATED ASTM C-635 HEAVY DUTY FLAME SPREAD MAX 0-25,

CEILING:

MARKER BOARDS: 1/2" PARTICLE BOARD SUBSTRATE, FULL WIDTH MAP RAIL W/ CORK INSERT AND SIX MAP HOOKS, EXTRUDED ALUMINUM MOLDING WITH FLAG HOLDER. CHALK TRAY MAY NOT PROJECT MORE THAN 4".

THE FIGERGLASS REINFORCED PLASTIC PANELS, 4'-0"x8'-0", WITH COLOR MATCHED PVC MOLDINGS OVER 1/2 GYPSUM. FLAME SPREAD = 25 AND SMOKE DEVELOPMENT = 450, CLASS A PER ASTM E-84

<u>VINT_TACKBOARD</u>: VINT_WALL COVERING TO BE CLASS III DOWTAR GYPSUM OR EQUAL LAMINATE ONTO 1/2" INDUSTRIAL INSULATION BOARD, 4'-0",99'-0", LONG EDGES BEVELED. FLAME SPREAD = 65 SMOKE DENSITY = 175

INTERIOR WALL COVERINGS: APPLIED OVER MINIMUM 1/2" GYPSUM BOARD, OR MINIMUM 3/8" ORIENTED STRANG BOARD. EXPOSED SURFACES FIRE RATED PER ASTM E-84, FLAME SPREAD MAXIMUM 200, SWOKE DEVELOPED MAXIMUM 450. (PROVIDE FIRE BLOCKING WHEN 3/8" OSB IS USED AS BACKING MATERIAL)

INTERIOR:

WINDOWS: HORIZONTAL SLOING, SDE VENTING, ANODICED ALLIMINUM FRAME, PERFORMANCE RATED PER AMA OSIDI-88 FOR COMMERCIAL USE AND MEDIUM EXPOSURE, NEW WARE SCREED DE DE DE LOTO RAMMERCIAL USE AND MEDIUM EXPOSURE REMOVABLE SCREEN VENT SCREEL, LAMINATED OR THERED GAZING TO BE NOTED ON FLOOR PLAN. DUAL ACLED WINDOWS TO HAVE MINIMUM 1/4" AIR SPACE AND 1/8" GALSS (SEE WINDOW SCHEDULE FOR SZES)

RIB LATH (HORIZONTAL APPLICATION): USE $3/8^{\circ}$ RIB LATH PER ASTM C 847. PROVIDE MIN. $1/2^{\circ}$ SIDE LAP WITH WIRE TIES AT 6° O.C. PROVIDE 1° END LAPS OVER SUPPORTS WITH MAJOR RIBS NESTED. CEMENT: INSTALL AND COMPLY WITH SECTIONS 251D, 2512, AND ASTM C 926.

SELF-FURRING LATH (VERTICAL APPLICATION): USE SELF-FURRING LATH CONFORMING TO $1/4^{\rm o}$ OFFSET REQUIREMENTS OF ASTM C 933 SECTION 5.12. INSTALL SELF-FURRING LATH PER DSA IR 25-4 AND ASTM C 1063.

PAPER (WATER-RESISTIVE DARREN) PER SECTION 1404.2 & 2510.5 A MINIMUM OT WO LAYER OF NO.15 ASFNHLT FELT, CONFUND WITH ASTM D 226 FOR TYPE I FELT OR OTHER APPROVED MATERIAL, SHALL BE ATTACHED TO STUDS OF SHEATING, WITH FLASHING AS DESCRIBED IN SECTION 1405.3, IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WATER-RESISTIVE BARRER BEHIND THE EXTEROR WALL VEHER.

LATH/FURRING AND PLASTER (STUCCO): CBC SECTION 2507 & 2510:

PAPER (WATER-RESISTIVE BARRIER) PER SECTION 1404.2 & 2510.6: A MIMIMUM OF TWO LAYER OF NO.15 ASPHALT FELT, COMPLYING WITH ASTM D 226 FOR TYPE 1 FELT OR OTHER APPROVED MATERIAL, SHALL BE ATTACHED TO STUDS OR SHEATING, WITH FLASHING AS DESCRIBED IN SECTION 1405.3, IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WATER-RESISTIVE BARRIER BEHIND THE EXTERIOR WALL VENEER.

22. 6. 26 CAUGE METAL ROOTING. UNRENETERING INTERNETION ROOF PANELS MECHANICALLY CRIMPED AT TOP TO INSIDER AGAINST WAITER INFILTRATION, STANDING SEAM OR REBED TYPE. THE ROOFING SYSTEM SHALL BE FIRE RELARANT FER CGC STIMMARDS. TEST RESULTS TO SUPPORT CLASS 'A' RATING, SHOWING THE ROOF SYSTEM WILL WITHSTAND THE UPLIFT OF A 11D MPH WIND.

FIRESTORE ULTRAPLY TPO: PER CBC SECTION 1505 CLASS 'A' BASE SHEET FINISHED GRADE. PRESTONE ULTRAPLY TPO MEMBRANE ROOFING SYSTEM (THERNOPLASTIC POLYFN BASED MEMBRANE) ADHESVILY OR MECHANICALLY ATTACHED OVER INSULATED. COMBUSTBLE OR NON-COMBUSTBLE DECKS. CLASS 'I, THE TPO MEMBRANES ARE PRODUCED WITH A POLYESTER WEFT INSERTED RENFORCEMENT. SYNTHETIC RUBBER SINGLE-PLY SHEETS HAVING A MIN NOMINAL THICKNESS OF 45 MILS (1.1 MM). INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS.

STEVENS EP TPO: PER CBC SECTION 1505 CLASS 'A' BASE SHEET FINISHED GRADE. STEVENS EP TPO MEMBRANE ROOTING SYSTEM (SCRIM REINFORCED ETHYLENE-PROPYLENE BASED MEMBRANE) ADHESWELY OR MECHANICALLY ATTACHED OVER INSULATED. COMBUSTBLE OR NON-COMBUSTBLE DEGKS. CLASS 'A'. THE TPO MEMBRANES ARE SCRIM REINFORCED SYNTHETIC RUBBER SINGLE-PLY SHEETS HAVING A WIN NOMINAL THICKNESS OF 45 MILS (1.1 MM). INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS.

1/4" DENS-DECK ROOF BOARD. USED AS A UNDERLAYMENT FOR THE TPO MEMBRANE ROOFING SYSTEM. FLAME SPREAD: 0, SMOKE DEVELOPED: 0 PER, ASTM E-84. INSTALL PER ROOFING MANUFACTURER INSTALLATION INSTRUCTIONS.

PLYWOOD SIDING: DURATEMP GROOVED 8" OC APA PRODUCT REPORT #PR-C3D2 OR LP SMARTISDE PRECISION PANE; SIDING GROOVED 8" OC ICC REPORT #ESR-1301

ROOFING:

EXTERIOR:

CLOSER: DOOR CLOSER, WHEN PROVIDED, THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TD THE LANDING SIDE OF THE DOOR, REFER TO SECTION 11B-404.2.8, 11B-404.2.8.1, 11B-404.2.8.2 & 11B-404.2.9 THRESHOLD SHALL COMPLY WITH CBC SECTION 11B-404.2.5 & 1008.1.7.

DOORS:

ELOOR STOPS: FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM WALLS. POLICY 99-08.

ENSH HARDWARE: HAND-ACTIVATED DOOR OPENING HARDWARE, HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE THAT GRASPING, TICHT PINCHNO OR TWISING OF THE WHIST TO OPENTE. HARDWARE SHALL BE CENTERED BETWEEN SO INCHES AND 44 INCHES ABOVE HARDWARE SHALL BE CENTERED BETWEEN SO INCHES AND 44 INCHES ABOVE WICH ARE IN A PART OF TRAVEL SHALL BE OPENTERE WITH A SINGLE STORT BY LEVER-TYPE HARDWARE, PANIC BARS, FUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIDENT DI ROVIDE PASSAGE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION.

ARDWARE: MOUNTING HEIGHT OF LATCHING HARDWARE SHALL BE 34" TO 44" AFF PER CBG SECTION 118_-404-27. PRESSURE TO OPERATE THE DOOR SHALL NOT EXCEED: 5 LBS (22.2. N) FOR EXTERIOR DOORS, 5 LBS (22.2. N) FOR INTERIOR DOORS & WHEN FIRE DOORS ARE REQUIRED 5 LBS (22.2. N) OR THE MAXIMUM EFFORT TO OPERATE THE DOORS AND BE INCREMENT OT MAXIMUM ALLOWAREL BY THE APPROPRATE ADMINISTRATIVE AUTHORITY, NOT T EXCEED 15 LBS (66.72. N). 118-4042.7. ALL HARDWARE SHALL MEET THE REQUIREMENTS OF CBC SECTIONS 1006.19.2. & 118-404.2.7.

TEST AND INSPECTIONS FORM DSA 103

THE EXAMPLE FORM DSA 10.38 SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. A FORM DSA 10.3 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-10.39 ARE TO BE CROSSED OUT ON THIS DRAWING.

Display

INFORMATION
 Instruction
 INSTRUCTIONS
 Cloic a plus sign (-) before any category or subcategory or

Table 1705A.0

Periodic

STEEL
 Table 1794.2.1
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 To STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES
 Matrial Varification
 A Verify bad at intervals are appropriately statistical and that:
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DSA DSA DSA Statement of Structural Tests &

School Name

TEST OR SPECIAL INSPECTION

2. COMPACTED FILLS:

CONCRETE
 CONCRETE
 CONCRETE
 CONCRETE

Material Verification and Tes Ventyuse of required design mic

X b. Testreinforcing steel. c. Perform skamp, temperar

X air content tests. X d. Test concrete (compression) Inspection:

Perform qualification testing of fill materials.
 Verify use of proper materials and inspect inft thickin placement, and compaction during placement of fill

INSpection:
 X I. Batch plant inspection - design complies with 1705A.3.3 item 2
 n. Inspect discussed of familiark reinforcing steel, embedded

Verify that all materials are appropriately stanked and that: • All certificates indicate material properties that comply with requirements.

Addenial sizes, types and grades consily with requirements
 X b. Test unidentified materials
 X c. Examine seam welds of structural tubes and pipes

Inspection. X Verty memory bracing and all details constructed in the field.

X
 Very finance contactor, colong and an oracle contactore the field
 Verify affecter locations, connection tab locations and all construction oftelia flacostad in the alloc.
 19. WELDING: Verification of Matarials, Equipment, Welders, etc:
 X
 X
 Very well filter marking per AVE

A configurate file material an andabuse is confident considered file material an andabuse is confident A to truty MPS, which qualifications and equipment 19.1 SHOP VELDING A injust charge and min weaks short?
 A injust charge and min weaks short?
 A injust charge and min weak short?

Galignation listed on the DSA approved documents and the WPS b. Verify weld filer material manufadurer's certificate of

spect single-pass filet welds 2 on 0 spect welding of stars and railing systems. **19.2** FIELD WELDING: nspect groove, multi-pass, and filet welds > 5/16^o

Netfy size, type and grade for all chord and web members as well as connectors and weld filter material; writh joint profile, dimensions and camber iff applicable), verify all weld location lengths and profiler, mark or tag each joint.

1 Solis tosting and inspection: Geotechnical Verified Report - Ferm DSA-253 Solit Exampli and Intercolor: Underschlick Vermale Ingelief - Feim (Dav-Vei) 44 Abstructurel Feising Laboratory Verlander Report - Feim (Dav-Vei) 5 Ourcente Battin Flart Inspection: Special Inspection Verlind Report - Feim DSA-28 Debo Verlang Inspection: Special Inspection Verlande Report - Feim DSA-28 Fried Verlang Inspection: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlinde Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlande Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlanden Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlanden Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlanden Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlanden Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlanden Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlanden Report - Feim DSA-28 Solit Jakin Fahrlanden Report: In: Special Inspection Verlanden Report - Feim DSA-28 Solit Jakin Report - Feim DSA-28 Solit Jakin Report: Inspection Report - Feim DSA-28 Solit Jakin Report - Feim DSA-28 Solit Jakin Report - Feim D

invous - Indicates that a continuous special inspection is required

COMPILE PRINT

riodic - Indicates that a periodic special inspection is separed est - increates that a test is required

b. Inspect single-pass filet welds 5 5/16"
 21. STEEL JOISTS AND TRUSSES:

- WOOD

+ OTHER

KEY to Columns

Туре -

Name of Arthitect in Figureir is prevent secondlike charge

Egneture of Architecture Disustanti Engineer

* - REQUIRED ONLY BY SOILS REPORT

Name of Structural Engineer When utractural devices has been date, sholl

x Inspect placement of formwork, reinforcing steel, ent tems and concrete, inspect outing and form removal.
 + MASONRY

Verify that: • she has been prepared property prior to pracement of controlled fit and/or escavations for foundations. • foundation escavations are extended to proper depth and have reached proper material, and materials below footings are adequate to achieve the design

ature and (where required

- SOILS 1. GENERAL:

XIA

Special Inspections - 2013 CBC

WCREMENTS

CODE REFERENCE AND NOTES

Test Lab^a * Under the supervision of the geotechnical angineer.

Test Lab ASTM C172, ASTM C31.

 Test
 Lob
 2203A 1 (2203.1')
 ASTM A370.

 Periodic
 SI*
 * 0SA IR 17-3.
 *

Continuous GE* * By geotechnical engineer or his or her qualified representative. Test Lab* *Under the supervision of the geotechnical engineer.

 Periodic
 Bit & PP
 * To be performed by batch-plant special inspector and project inspector.

 Test
 Lob
 1913A 2 (19132 0') A STM A370, DSA (# 17-10)

Periodic SI 1705A.3.3, Item 2. Requires first betch inspection, weighnaster, and betch tickets.

By special inspector when performed off-site; by project inspector for steel shoped directly to protect site without weiding or fabrication.

D5A IR 17-3 AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).

2 Performed By -GE – Indicates that the special inspection is to be performed by a registered gootechnical engineer or his or her

authorized representative Lab - Indicates that the foot or inspection is to be portformed by a tosting laboratory accepted in the DSA tobordbry Evaluation and Acceptance (LEA) Program. See section 4.355, 2013 CER Tate 24, Part 1.

IDENTIFICATION STAMP DIV OF THE STATE ARCHITECT

AC N/A F/LS N/A SS

DATE

indicates that the special inspection is to be performed by the project

APP.#

Continuous PI* * May be performed by a special inspector when specifically approved by DEA. TMS 402-1VACI 530-11/ABCE 5-11 Table 1.19.3

 Continuous
 Bit
 Per AISC 300 (and AISC 341 as applicable). DGA IR 17-3.

 Periodic
 Bit
 Per AISC 360 (and AISC 341 as applicable). DGA IR 17-3.

 Periodic
 Bit
 1705A 2.2.1 Per AISC 360 (and AISC 341 as applicable). DGA IR 17-3.

51 1705A.2.2.3 and DSA IR 22.3 for steel joists only 1705A.2.2.4 for steel trusses.

 Continuadors
 St
 Por AlSC 300 (and ALSC 341 as applicable). DSA IR 17-3.

 Periodic
 SI
 Per ALSC 300 (and ALSC 341 as applicable). DSA IR 17-3.

Test Lab ACI 318 Section 5.6 and 1905A 1.2 (1913.3.1*). AST/I C39.

y peolechnical angineer or his or her qualified representative.

Date Submitted:

DSA File No .:

Application No.:

EXIT_DEVICES: PANIC HAROWARE SHALL COMPLY WITH CBC STANDARDS AND SHALL BE MOUNTED 36° TO 44° ABOVE FINISHED FLOOR SUBFACE. THE UNLATCHING FORCE SHALL NOT EXCEED 15# APPLED IN THE DIRECTION TO FIRAVEL. PANIC HAROWARE SHALL COMPLY WITH CBC SECTION TOOS HAZ PANIC HAROWARE IS REPORTED SHALL COMPLY WITH CBC SECTION TOOS HAZ PANIC HAROWARE IS REPORTED AN OCCUPANT LOAD OF 50° OR GREATER, CBC 1008.1:0

HOLLOW METAL DOORS AND FRAMES: DOORS-TYPE L FULL FLUSH INSULATED, MANUFACTURED BY 'STEELCRAFT' OR APPROVED EQUAL (UND) FRAMES-16 GA COLD ROLLED 2" FACES (UNO) SEE SHEET A0.3 FOR DOOR AND FRAME INFORMATION. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS & SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES (UNO)

GENERAL FINISHES:

EINISHES: ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 7 & 8, CFC AND TITLE 19 CCR.

FIRE PROTECTION:

CASEWORK:

SHEET INDEX:

EIRE EXTINGUISHER CABINETS: FIRE EXTINGUISHER CABINETS MUST COMPLY WITH CBC SECTIONS 906

HANDLES: PROVIDE U SHAPED WIRE PULLS OR EQUALLY ACCESSIBLE PULL HARDWARE AT ALL ACCESSIBLE CASEWORK POPE 110-404.2.7

SHEET INDEX: ONE: THE SHEET INDEX APPLIES TO ALL PROJECTS THAT ARE PC ONLY. THE SHEET INDEX IS INVALID WHEN NEW SHEETS ARE IMPLEMENTED. THE PURPOSE (THE SHEET INDEX IS TO EXPECTIFE PLAN REVIEWS DURING AN OVER-THE-COUNTER APPOINTMENT. THE REQUIRED CORRESPONDING SHEETS BELOW HAVE BELIN REVIEWED BY DSA DURING THE APPROVAL PROCESS OF THIS PC. CROSS OUT AND OR LINE OUT THE SUBJECTS THAT DON'T APPLY.

REQUIRED SHEETS (ALL CASES AT ALL TIMES): A0.0, A0.1, A0.2, A0.3, A0.4, A2.0, A8.0, A8.1, A8.2, A10.0, A10.1 S0.0, S0.3, S1.0, S2.D, S3.2, S4.D, ED.0 & PD.D

REQUIRED SHEETS FDR OPTION 'A' HUILDING: A1.A, A2.A, A4.A, A5.A (WOOD SIDING) OR A6.A (STUCCO SIDING), A11.A, E1.A & P1.A

REQUIRED SHEETS FOR OPTION 'B' BUILDING: A1.B, A2.B, A4.B, A5.B (WOOD SIDING) OR A6.B (STUCCO SIDING), A11.B, E1.B & P1.B

REQUIRED SHEETS FOR OPTION 'C' BUILDING: A1.C, A2.C, A4.C, A5.C (WOOD SIDING) OR A6.C (STUCCO SIDING), A11.C, E1.C & P1.C

REQUIRED SHEETS FOR OPTION 'D' BUILDING: A1.D, A2.D, A4.D, A5.D (WOOD SIDING) OR A6.D (STUCCO SIDING), A11.D E1.D & P1.D

EQUIRED SHEETS FOR 22 GA, ROOF FINISH:

REQUIRED SHEETS FOR 26 GA ROOF FINISH:

REQUIRED SHEETS FOR WOOD PAD FOUNDATION: F1.0 + F1.1 (PLYWOOD FLOOR) OR F1.2 (CONCRETE FLOOR)

REQUIRED SHEETS FOR ABOVE GRADE FOUNDATION: F0.D + F2.D & F2.1

REQUIRED SHEETS FOR FLUSH TO GRADE FOUNDATION: F0.D + F3.D & F3.1

WALL FRAMING TYPES: S3.0 (WOOD STUDS) OR S3.1 (STEEL STUDS) + S3.3

A3.5. A3.6 & S2.2

REQUIRED SHEETS FOR PLYWOOD FLOORS:

REQUIRED SHEETS FOR CONCRETE FLOORS: S0.2 & S1.2

OPTIONAL SHEETS FOR FIRE RATED DETAILS:

DITIONAL SHEETS FOR RAMPS: R0.0 + R1.0 OR R2.0 OR R3.0 OR R4.0

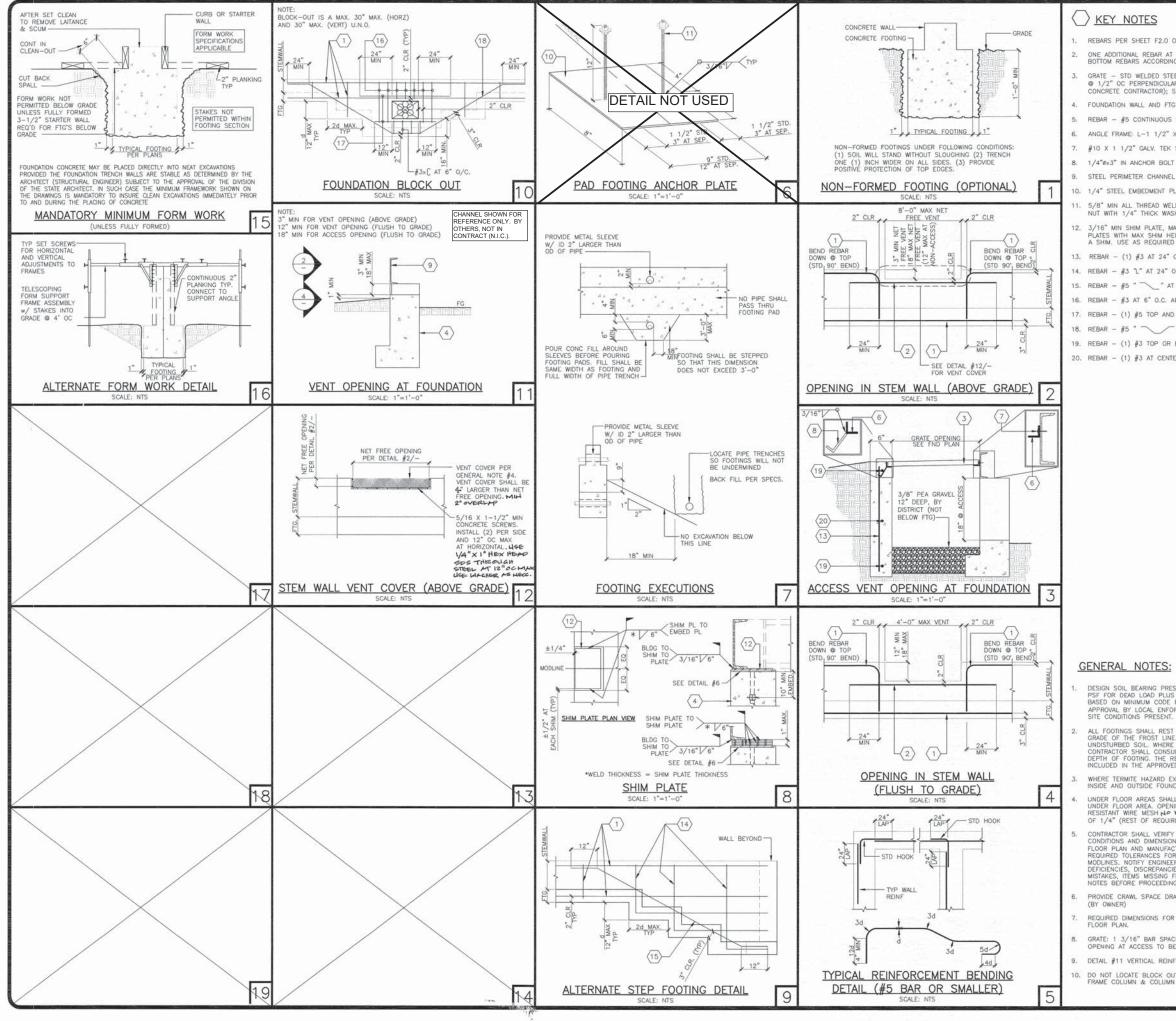
MISCELLANOUS SHEET FOR BLOCKING DETAILS:

OPTIONAL SOLAR READY SHEETS: A3.7SR + E1.ASR OR E1.BSR OR E1.CSR OR E1.DSR

OPTIONAL SHEETS FOR STAIRS R0.0 & R5.0

FLOOR FRAMING: (CHECK ONE)	
FLOOR LIME LOAD SEE COVER SHEET	
FLOOR BEAM SIZE SEE STRUCTURAL	
JOIST TYPE SEE STRUCTURAL SHEETS	
JOIST SPACING: SEE STRUCTURAL SHEETS	
INSULATION: NONE R-11 UNFACED R-19 UNFACED	
BOTTOM ENCLOSURE: CANVEX CW-600 NONE	
FLOOR DECK: PLYWOOD DECKING LIGHTWEIGHT CONCRETE	
REFERENCE: FLOOR FRAMING SHEETS	
MISC: PLYWOOD FLOORS TO HAVE MIN R-11 INSULATION	
CONCRETE FLOORS TO HAVE NO INSULATION UNO	
ROOF FRAMING: (CHECK ONE)	-
ROOF LIVE LOAD: SEE COVER SHEET	
ROOF SLOPE DUAL SLOPE DUAL SLOPE	
JDIST SIZE & GRADE SEE STRUCTURAL SHEETS	
INSULATION: R-30 UNFACED	
FINISH ROOFING. 22 GA GALV STANDING SEAM ROOF	
26 GA GALV STANDING SEAM ROOF	
45 MIL TPO W/ 1/4" DENSDECK 60 MIL TPO W/ 1/4" D	ENSDECK
ROOF SHEATHING: 3/4" C-D PLYWOOD @ NON 22 GA ROOFING	
FRONT OVERHANG NO YES	
REAR OVERHANG NO YES	
SOFFITS: OPEN SOFFITS CLOSED SOFFITS	
DRAINAGE SYSTEM: 26 GA GUTTERS & DOWNSPOUTS	
REFERENCE: ROOF FRAMING SHEETS	
NOTE SOFFIT FINISH TO MATCH WALL FINISH	
THE REPORT OF THE PROPERTY OF	
EXTERIOR WALLS WOOD STUD OPTION:	
WND LOAD SEE COVER SHEET	
STUD SIZE: 2"x4" UNO BY WALL LEGEND ON COVER SHEET/FLR	PLAN
SPACING SEE CHART ON WALL FRAMING ELEVATIONS	
GRADE: SEE CHART ON WALL FRAMING ELEVATIONS	
INSULATION R-13 UNFACED R-19 UNFACED R-29 UNF	
FIRE RESISTIVE CONSTRUCTION: NO YES (SEE FIRE RATED DETAIL S	HEETS)
REFERENCE: WALL FRAMING ELEVATIONS	
MISC:	
EXTERIOR WALLS STEEL STUD OPTION:	
WIND LOAD: SEE COVER SHEET	100
STUD SIZE: 3 5/8" UNO BY WALL LEGEND ON COVER SHEET/F	LR PLAN
SPACING SEE CHART ON WALL FRAMING ELEVATIONS	
GRADE: SEE CHART ON WALL FRAMING ELEVATIONS	
INSULATION: R-19 UNFACED W/4" RIGID MODEL 'E' BLDG ONLY	
INSULATION: R-13 UNFACED	
FIRE RESISTIVE CONSTRUCTION: NO YES (SEE FIRE RATED DETAIL S	HEFTS)
REFERENCE: WALL FRAMING ELEVATIONS	ILLIS/
MISC:	
NON-BEARING INTERIOR WALLS: (CHECK ONE)	
STUD SIZE 2"x4" UNO BY WALL LEGEND ON COVER SHEET/F	
STUD SZE 3 5/8" UNO BY WALL LEGEND ON COVER SHEET	/FLR PLAN
SPACING: 24" OC MAX (PER SECT 2308.9.2.3)	
GRADE: HEMLOCK FIR MIN 20 GA MIN	
PARTITION HEIGHT: TO RAFTERS BELOW RAFTERS	
INSULATION: R-11 UNFACED R-13 UNFACED R-19 UN	
FIRE RESISTIVE CONSTRUCTION NO YES (SEE FIRE RATED DETAIL S	HEETS)
REFERENCE: WALL FRAMING DETAILS	
NOTES:	
PLUMBING: (CHECK ONE)	
ABS SCHEDULE 40 WASTE	
CAST IRON WASTE	
REFERENCE PLUMBING SHEETS	101000
NOTES: ALL PLAUMBING WASTE VENTS SHALL BE 10'-0" MINIMUM AWAY I	FROM ANY
	NUM ANT
FRESH INTAKE EQUIPMENT.	
SITE CONDITIONS: (CHECK ONE)	
그 같은 아이들은 영상에서 가지 않는 것 같은 것 같	
FOUNDATION TYPE: WOOD PAD (UP TO 48'x60')	
CONCRETE FLUSH TO GRADE CONCRETE ABOVE GRADE	
REFERENCE: FOUNDATION SHEETS	
RAMP & LANDING: NO YES (SEE RAMP/LANDING SHEETS)	
RAMP & LANDING SURFACE FINISH: SEE RAMP AND LANDING SHEETS	
EXTEDIOD WALL EINIGHT	
EXTERIOR WALL FINISH: (CHECK ONE)	
EXTERIOR WALL FINISH: (CHECK ONE) <u>5/8" DURATEMP APA RATED GROOVED AT 8" OC</u>	
5/8" DURATEMP APA RATED GROOVED AT 8" OC	
5/8" DURATEMP APA RATED GROOVED AT 8" OC	
5/8" DURATEMP APA RATED GROOVED AT 8" OC	
5/8" DURATEMP APA RATED GROOVED AT 8" OC	

IMPACT
CONSTRUCTION SERVICES INC. CONTRACTORS LICENSE #945691
NORTHERN CALIFORNIA DMISION SOUTHERN CALIFORNIA DMISION 450 COMMERCE AVE. 1090 W. HARLEY INIOX BLVD ATMATER, CA 95301 PERRS, CA 92571 PHONE: (209) 580–6503 FAX: (351) 843–9999 FAX: (351) 843–9930
WEBSITE: WWW.IMPACTCONSTRUCTION.COM
THIS DRAWING AND THE MATERIAL CONTAINED THERE-IN ARE THE PROPERTY OF IMPACT CONSTRUCTION SERVICES, INC. AND SHALL NOT
BE REPRODUCED, COPED OR OTHERWISE UDDED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WIGLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURMISHING ANY INFORMATION FOR THE MAKING OF DRWINNES, PRINTS APPARATUS OR PARTS
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IMPACT 1. REBARS PER SHEET F2.0 OR F3.0. ONE ADDITIONAL REBAR AT OPENING. REBAR SIZE TO MATCH TOP AND BOTTOM REBARS ACCORDINGLY. CONSTRUCTION SERVICES INC. CONTRACTORS LICENSE #945691 GRATE - STD WELDED STEEL 3/4" X 3/16" BEARING BARS, BAR SPACING @ 1/2" OC PERPENDICULAR TO ROUTE OF TRAVEL, ALL WALKWAYS. (BY CONCRETE CONTRACTOR); SEE GENERAL NOTE #8 BELOW NORTHERN CALIFORNIA DIMISION SOUTHERN CALIFORNIA DIMISION 450 COMMERCE AVE. 1080 W. HARLEY KNOX BLVO ATWATER, CA 95301 PERRS, CA 92571 PHONE: (269) 580-6506 PHONE: (261) 943-98430 FX: (209) 580-6506 FX: (269) 580-6506 4. FOUNDATION WALL AND FTG PER SHEET F2.0 OR F3.0. WEBSITE: WWW.IMPACTCONSTRUCTION.COM 5. REBAR - #5 CONTINUOUS @ MID HEIGHT The second secon 6. ANGLE FRAME: L-1 1/2" X 1 1/2" X 1/4" 7. #10 X 1 1/2" GALV. TEK SCREW AT 16" O.C. MAX. 9. STEEL PERIMETER CHANNEL (BY OTHERS, NOT IN CONTRACT) ROJECT NAME: 10. 1/4" STEEL EMBEDMENT PLATE. 11. 5/8" MIN ALL THREAD WELDED TO STEEL PLATE AT ONE END AND DOUBLE NUT WITH 1/4" THICK WASHER AT THE OTHER END. 12. 3/16" MIN SHIM PLATE, MAY BE A SINGLE PLATE OR COMBO OF MULTIPLE PLATES WITH MAX SHIM HEIGHT OF 1". GAPS UP TO 1/4" DO NOT REQUIRE A SHIM. USE AS REQUIRED SHEET TITLE 13. REBAR - (1) #3 AT 24" O.C. AT CENTER LINE OF WALL. GENERAL DETAILS 14. REBAR - #3 "L" AT 24" O.C. MAX. AT STEP DOWN LOCATION. 15. REBAR - #5 " ____ " AT STEP DOWN LOCATION. 16. REBAR - #3 AT 6" O.C. AROUND BLOCK-OUT. 17. REBAR - (1) #5 TOP AND BOTTOM OF BLOCK-OUT. MFR. STRUCTURAL ENGINEER OF RECORD ON PC 18. REBAR - #5 " - AT STEP DOWN LOCATION 19. REBAR - (1) #3 TOP OR BOTTOM o. 3602 20. REBAR - (1) #3 AT CENTER OF WALL DATE SIGNE MAY 05 2016 MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD ARCHITECT OF RECORD PROJECT SPECIFIC STATE AGENCY APPROVAL DESIGN SOIL BEARING PRESSURE VALUE FOR NON EXPANSIVE SOIL IS 1500 PSF FOR DEAD LOAD PLUS LIVE LOAD. FOUNDATION DETAILS SHOWN ARE BASED ON MINIMUM CODE REQUIREMENTS. FOUNDATION IS SUBJECT TO APPROVAL BY LOCAL ENFORCEMENT AGENCY DUE TO SPECIAL SOIL AND/OR SITE CONDITIONS PRESENT. PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION II REQUIRED ALL FOOTINGS SHALL REST 12" IN BELOW NATURAL GRADE AND FINISHED GRADE OF THE FROST LINE. ALL FOOTINGS SHALL REST ON FIRM, UNDISTURBED SOIL WHERE FROST LINE DEPTH MAY PRESENT A PROBLEM, CONTRACTOR SHALL CONSULT DSA FOR RECOMMENDATIONS AS TO REQUIRED DEPTH OF FOOTING. THE RESULTS OF SUCH INVESTIGATION SHALL BE INCLUDED IN THE APPROVED SET OF DRAWINGS. IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT PC 02-114488 ACT FILE 1: PC-80 ACT FILE A: PC-80 DATE: F3 24 10 WHERE TERMITE HAZARD EXISTS TREAT SOIL AT GROUND CONTACT POINTS, INSIDE AND OUTSIDE FOUNDATION. UNDER FLOOR AREAS SHALL BE VENTILATED 1 SF FOR EACH 150 SF OF UNDER FLOOR AREA. OPENINGS SHALL BE COVERED WITH CORROSION RESISTANT WIRE MESH AP MORE THAN 0.070 THICK WITH MESH OPENINGS REVISIONS OF 1/4" (REST OF REQUIREMENTS TO COMPLY WITH CBC, SECTION 1203.3) CONTRACTOR SHALL VERIFY ALL REQUIREMENTS, MATERIAL SPECIFICATIONS, CONDITIONS AND DIMENSIONS SHOWN ON PLANS AGAINST ACTUAL JOB SITE, FLOOR PLAN AND MANUFACTURER'S REQUIREMENTS TO CHECK FOR ANY REQUIRED TOLERANCES FOR FOUNDATION LAYOUTS, SUCH AS, GAP AT MODLINES, NOTIFY ENGINEER OF THE FOLLOWING: ABNORMAL CONDITIONS, DEFICIENCIES, DISCREPANCIES, CLARIFICATION, MISUNDERSTANDINGS, TYPOS, MISTAKES, ITEMS MISSING FROM DRAWINGS, MISSING REFERENCE, DETAILS OR NOTES BEFORE PROCEEDING. PROVIDE CRAWL SPACE DRAINAGE, FOR AND AROUND BUILDING AS NEEDED.

REQUIRED DIMENSIONS FOR FOUNDATION LAYOUT TO BE BASED ON SPECIFIC FLOOR PLAN.

GRATE: 1 3/16" BAR SPACING NET OPENING AT VENT TO BE 12"x48". NET OPENING AT ACCESS TO BE 24"x36"

9. DETAIL #11 VERTICAL REINFORCEMENTS NOT SHOWN FOR CLARITY

10. DO NOT LOCATE BLOCK OUT WITHIN 4'-0" OF SIDE WALL HOLD DOWN, FRAME COLUMN & COLUMN PAD FOOTING

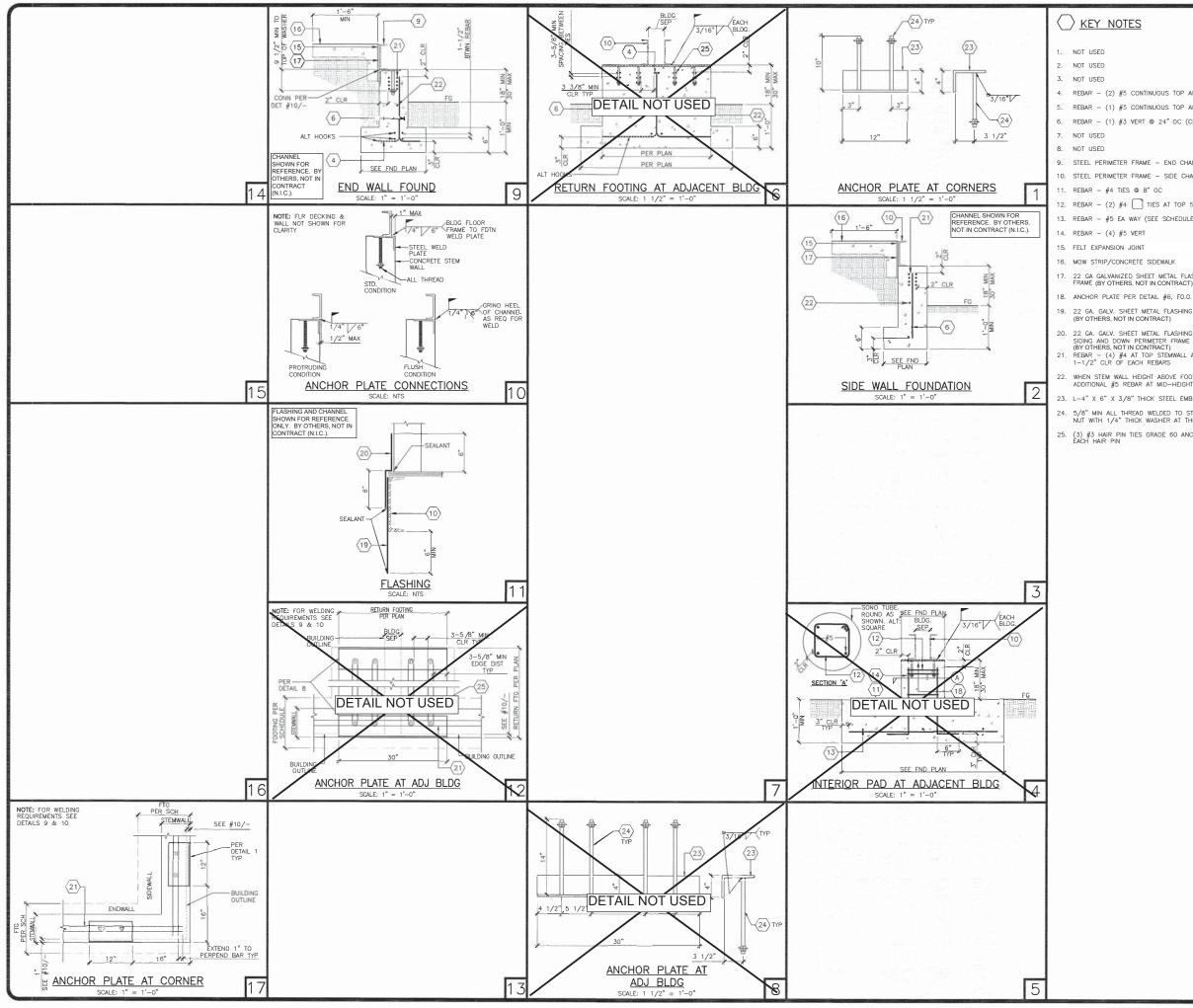
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4. REBAR - (2) #5 CONTINUOUS TOP AND BOTTOM, MIN. 1 1/2" APART 5. REBAR - (1) #5 CONTINUOUS TOP AND BOTTOM 6. REBAR - (1) #3 VERT @ 24" OC (CENTERED IN STEM WALL) 9. STEEL PERIMETER FRAME - END CHANNEL (BY OTHERS, NOT IN CONTRACT) 10. STEEL PERIMETER FRAME - SIDE CHANNEL (BY OTHERS, NOT IN CONTRACT) 12. REBAR - (2) #4 🚺 TIES AT TOP 5", MIN. 1 1/2" APART. 13. REBAR - #5 EA WAY (SEE SCHEDULE ON FOUNDATION PLAN FOR AMOUNT)

17. 22 GA GALVANIZED SHEET METAL FLASHING EXTEND 6" BELOW PERIMETER FRAME (BY OTHERS, NOT IN CONTRACT)

19. 22 GA. GALV. SHEET METAL FLASHING EXTEND 6" BELOW PERIMETER FRAME (BY OTHERS, NOT IN CONTRACT)

20. 22 GA. GALV. SHEET METAL FLASHING EXTENDED 6" ABOVE FLOOR, BEHIND SIDING AND DOWN PERIMETER FRAME 5" MIN. APPLY SEALANT AS SHOWN. (BY OTHERS, NOT IN CONTRACT) (b) OTHERS, NOTING UNITABLE) 21, REBAR – (4) #4 AT TOP STEMWALL AT EACH SIDE OF BOLT SPACED 1-1/2" CLR OF EACH REBARS

22. WHEN STEM WALL HEIGHT ABOVE FOOTING EXCEEDS 24", PROVIDE (1) ADDITIONAL #5 REBAR AT MID-HEIGHT OF STEM WALL

23. L-4" X 6" X 3/8" THICK STEEL EMBEDMENT PLATE

24. 5/8" MIN ALL THREAD WELDED TO STEEL PLATE AT ONE END AND DOUBLE NUT WITH 1/4" THICK WASHER AT THE OTHER END

25. (3) #3 HAIR PIN TIES GRADE 60 ANCHOR REINFORCING, MIN 24" LAP AT EACH HAIR PIN

IMPACT CONSTRUCTION SERVICES INC. CONTRACTORS LICENSE #945691
 NORTHERN CALIFORNIA DIVISION
 SOUTHERN CALIFORNIA DIVISION

 450 COMMERCE AVE.
 1080 W. HARLEY KNOX BLVD.

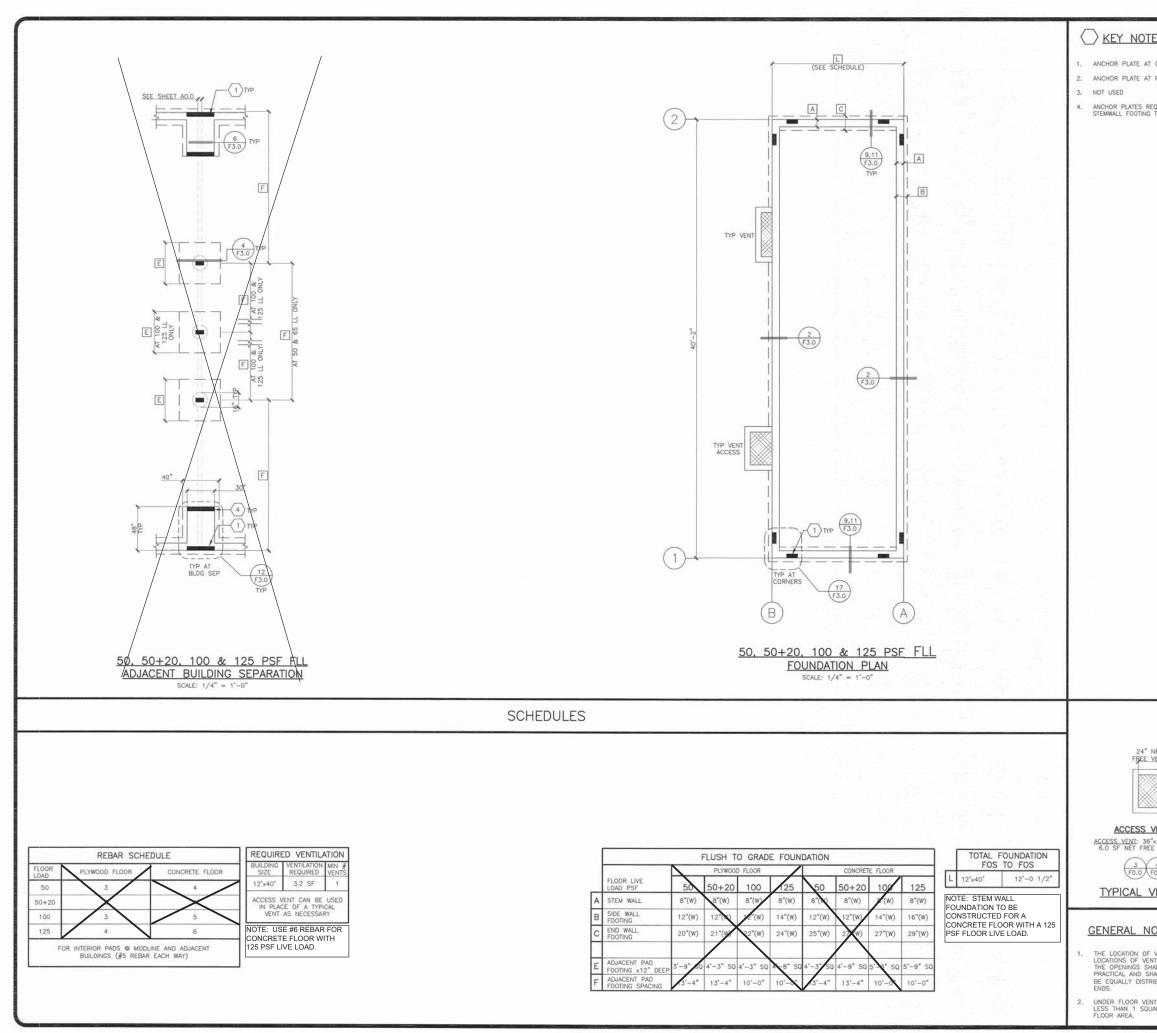
 NWATER, CA \$3501
 PERKIS, CA \$2571

 PHONE:
 (20) 580-6506

 PHONE:
 (351) 433-93430

 FXX:
 (20) 580-6507

 FXX:
 (25) 580-4507
 WEBSITE: WWW MPACTCONSTRUCTION COM THIS DRAWING AND THE MATERIAL CONTAINED THERE-IN ARE THE ROPERTY OF IMPACT CONSTRUCTION SERVICES, INC. AND SHALL NOT BE ERFORDUCED, CORED OF OTHERSTE DOYS DE DIRECTLY OF DIRECTLY, AND OF CALL ROLL REPORTED FOR DETAILS OF IN A RAY INTERCTLY, AND OF CALL ROLL REPORTED FOR DATE, CORE IN A RAY INTERCTLY, AND OF CALL ROLL REPORTED FOR DATE, CORE IN A RAY INTERCTLY, AND OF CALL ROLL REPORTED FOR DATE, CORE IN A RAY INTERCTLY, AND OF CALL ROLL ROUNDED FOR DATE, CORE IN A RAY INTERCTLY, AND OF CALL ROLL ROUNDED FOR DATE AND WRITTEN CONSENT OF MACT CONSTRUCTIONS SERVICES, INC. ALL PATERIMEE AMERICAL BERKICES, INC. SHALL BE THE PROPERTY OF IMPACT CONST SERVICES, INC. ROJECT NAME HEET TITLE FLUSH TO GRADE CONCRETE FOUNDATION DETAILS MFR. STRUCTURAL ENGINEER OF RECORD ON PC DATE SIGNE DP. 06/30/15 MAY 05 2016 MFR. PROJECT SPECIFIC PROFESSIONAL OF RECORD ARCHITECT OF RECORD PROJECT SPECIFIC STATE AGENCY APPROVAL PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION I REQUIRED IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC PC 02-114488 FILE #: PC-80 AC FLS SS A DATE: P2 24 10 ROJECT NO 00-0000 RAWN BY: 00 SCALE: AS NOTED DATE: 00-00-00 SHEET NUMBER **F3.0**



AT CORNERS AND MODLINES AT PIERS - SEE #6/F0.0 REQUIRED AT RETURN STEMWALL FOOTING AND/OR BLDG SEP NG TYP	I CONSTRUCTION SERVICES INC. CONTRACTORS LICENSE #945691 CONTRACTORS LICENSE #945691 CONTRACTORS LICENSE #945691 CONTRACTORS LICENSE #945691 CONTRACTORS SEG STATUS (SS) 580-5505 FAC: (CS) 580-5505 FAC: (
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DF VENTS SHOWN HERE IS FOR REFERENCE ONLY AS THE VENTS WILL VARY FROM JOB TO JOB. SHALL BE LOCATED AS CLOSE TO THE CORNER AS SHALL PROVIDE CROSS VENTILATION. THE OPENINGS SHALL STRIBUTED ALONG THE LENGTH OF AT LEAST (2) OPPOSTE VENTILATION SHALL BE PROVIDED AT A NET AREA OF NOT QUARE FOOT FOR EACH 150 SQUARE FEET OF UNDER	scale: as noted Date: 00-00-00 Sheet number F3.1

- GENERAL NOTES: 1. ALL CONSTRUCTION SHALL COMPLY WITH THE 2013 EDITION OF THE
- ALL CONSTRUCTION SHALL COMPLY WITH THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE, CCR TITLE 24, PART 2 (CBC) AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1, LATEST REVISIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION, CONTRACTOR SHALL COMPLY WITH APPLICABLE SAFETY REQULATIONS DETAILS NOT SPECIFICALLY SHOWN SHALL BE CALLED TO THE ATTENTION OF THE MANUFACTURER OR DESIGN PROFESSIONAL AND DSA. THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE OWNER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- ATTENTION OF THE OWNER AND BE RESOLVED BEFORE PROCEEDING THE WORK. NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVINCE OR SHOUND NOT THESE DRAWINGS THPICAL, DETAILS SHALL APPLY INLESS SHOWN OTHERWISE ON THE
- DRAWINGS. WHERE THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE SPECIFICATIONS, THESE GENERAL NOTES AND TYPICAL DETAILS SHALL
- 8
- GOVERN. PROVIDE OPENINGS, CURBS, FRAMING AND/OR SUPPORTS FOR ITEMS INDICATED ON ARCHITECTURAL, MECHANICAL, ELECTRICAL, OR OTHER DRAWINGS NICLUDED IN CONSTRUCTION DOCUMENTS REFER TO ARCHITECTURAL, DRAWINGS FOR DIMENSIONS AND OTHER INFORMATION NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS ALL ELEVATIONS ARE REFERENCED FROM TOP OF FINISHED FIRST FLOOR ELEVATION = 0^{-1} 10
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- INFORMATION NOT SPELIFICALLY SHOWN ON STRUCTURAL DRAWINGS ALL ELEVATION = $0^{-}0^{\circ}$. ALL ELEVATION = $20^{-}0^{\circ}$. FIRST FLOOR TRADING FINISHED FIRST FLOOR ELEVATION = $0^{-}0^{\circ}$. PROVIDE INSPECTIONS, TESTS AND REPORTS IN ACCORDANCE WITH CCR TITLE 24, PART 2 AND CCR TITLE 24, PART 1, CHAPTER 4, GROUP 1. IN ADDITION TO CONTINUOUS PROJECT INSPECTION, THE FOLIOWING SPECIAL INSPECTIONS SHALL BE REQUIRED, AS A MINIMUM: A INSPECTION OF ALL WELDING FOR STRUCTURAL SITELL, PER TITLE 24, PART 2, SECTION OF ALL WELDING FOR STRUCTURAL SITELL, PER TITLE 24, PART 2, SECTION FOR CONCRETE AND CONCRETE REINFORCEMENT PLACEMENT, PER TITLE 24, PART 2, SECTION 1705A.3 ALL REQUIRED INSPECTIONS AND TESTS ARE THE RESPONSIBILITY OF THE OWNER, ALL INSPECTORS SHALL PROVIDE REPORTS AS REQUIRED BY TITLE 24, PART 1, CHAPTER 4, GROUP ARE APPROXIMATE AND ARE PROVIDED AS AN AD IN INTERPETING THE DRAWINGS ONLY, DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN THE EVENT OF CONFLICT, DRAWINGS SHALL GOVERN: DRAWING SCALES GIVEN ARE APPROXIMATE DO NOT SCALE PLANS ON DELEVATIONS SHOW NA ARCHITECTURAL DRAWINGS SHALL GOVERN: DRAWING SCALES GIVEN ARE APPROXIMETE DO NOT SCALE PLANS ON DELEVATIONS SHOW NA ARCHITECTURAL DRAWINGS SHALL GOVERN: DRAWING SCALES GIVEN ARE APPROXIMETE DO NOT SCALE PLANS ON DETAILS WHEN MODULE IS RELOCATED DO NOT REINSTALL MAILS OR SCREWS IN EXISTING FOLSES 14
- WOOD: 1. STRUCTURAL FRAMING SHALL BE HEM FIR LARCH GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES #17 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS, GRADES SHALL BE CONTINUES NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR

- PRODUCTS ASSOCIATION OR STANDARD GRADING RULES #17 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS, GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS, (HEM FIR SOUTH IS NOT ALLOWED.) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED. ALL FRAMING EXCEPT AS NOTED HEM FIR #2 PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD PS 1-07. ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4'x8' PANELS, MINIMUM, EXCEPT AT BOUNDARES AND FRAMING CHANCES WHERE MINIMUM PANELDIMENSION SHALL BE 24' AT ROOTS AND FLOORS AND 12'' AT WALLS. BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO ANS/ASME STANDARD AND 2012 EDITION OF THE NDS, BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE INTONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE LY32 TO 1/16 INCH LARGER THAN BOLT DAMETER, RE-TIGHTEN BOLTS WITH MINIMUM YIELD STRENCTH OF 45,000 PSI LAG SCREWS SHALL BE STELL AND CONFORM TO ANS/ASME STANDARD AND THE REQUIREMENTS OF OF THE LATEST EDITION OF THE SCHORE STRENCTH OF 45,000 PSI LAG SCREWS SHALL BE STELL AND CONFORM TO ANS/ASME STANDARD AND THE REQUIREMENTS OF OF THE LAG SCREW SHANKS SHALL BE BORDE THE SAME DEPTH AND DALES FOR LAG SCREW SHANKS SHALL BE BORD THE SAME DEPTH AND DALES FOR LAG SCREW SHANKS SHALL BE BORD THE SAME DEPTH AND DALES FOR LAG SCREW SHALLE BE BORD THE SAME DEPTH AND DALES FOR LAG SCREW SHALL BE SHANK DIMMETER. ONC QUARTER INCH (1/4') DAMETER AS THE SHANK. THE REMAINING DEFTH OF PENELTRATION OF THE SCREW SHALL BE SHANK. THE REMAINING DEPTH OF PENELTRATION OF THE SCREW SHALL BE SHANK. THE REMAINING DEPTH OF PENELTRATION OF THE SCREW SHALL BE SHANK. THE REMAINING DEPTH OF PENELTRATION OF THE SCREW SHALL BE SHANK. THE REMAINING DEPTH OF PENELTRATION OF THE SCREW SHERE NOTAL SCREWS NEED NOT HAVE PRE-ORILLED HOLES IF IT CAN BE SHOWN THAT THE WOOD MEMBERS
- (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.
- LAG SCREW HEADS WHICH BEAR ON WOOD. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD AND THE REQUIREMENTS OF THE 2012 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). GALVANIZED ON OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH CUT THREADS AND BENDING YIELD STRENGTIS NDS. WOOD WEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON
- STRUCTURAL DRAWINGS. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES
- WHEN REDURED INVELTIGATIONS TO SPLIT WOOD MEMBERS, NAL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DAWETER. STRUCTURAL NAILING SHALL BE WITH FULL HEAD COMMON NAILS PER ALL REQUIREMENTS OF THE 2012 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL BE GALVANIZED ON OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS, PER THE REQUIREMENTS OF CR TILE 24, PART 2, WTH MINIMUM BENDING YIELDS PER THE 2012 NDS. (SEE NAIL EQUIVALENCE BELOW.) NAIL FOILWAIPENCE' PERVIDE MINIMUM NAIL FEMELSAS RECOURDED FOR
- NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIR SPECIFIED PENETRATION, TYP UNO) 6d EQUALS .113°# - PROVIDE 1.36° MIN POINT PENETRATION 8d EQUALS .131°# - PROVIDE 1.57° MIN POINT PENETRATION 10d EQUALS .148°# - PROVIDE 1.78° MIN POINT PENETRATION 16d EQUALS .162°# - PROVIDE 1.94° MIN POINT PENETRATION
- * 1 1/2* AT 2% MEMBERS EXCEPT WHERE MORE STRINGENT CONSTRUCTION IS SHOWN ON THE DRAWINGS, WOOD CONSTRUCTION SHALL COMPLY WITH TITLE 24, PART 2, SECTION 2308, CONVENTIONAL LIGHT-FRAME CONSTRUCTION PROVISIONS, AS 11.
- SECTION 2308, CONVENTIONAL LIGHT-FRAME CONSTRUCTION PROVISIONS, AS A MINIMUM PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.8, CCR TITLE 24, PART 2. PROVDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS FROM AGENCY LISTED BY AN ACCREDITATION BODY THAT COMPLES WITH THE REQUIREMENTS OF THE AMERICAN LUMBER STANDARDS TREATED WOOD PROGRAM, ALL FOUNDATION MEMBERS STANDARDS TREATED WOOD PROGRAM, ALL FOUNDATION MEMBERS STANDARDS TREATED MOOD PROGRAM, ALL COLT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED PRESERVATIVE. WILL DATED MEMBERS BEFOR THE SUB ELOOP 12. AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT, WHERE NOTED, MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESSURE TREATED PER LP2. A QUALTY CONTROL STAMP IS NOT REQUIRED FOR STRUCTURAL MEMBERS BELOW THE SUB FLOOR THAT ARE NOT PART OF THE FOUNDATION MACHINE ANLING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DMISION OF THE STATE ARCHITECT. POWDER DRIVEN FASTENERS SHALL BE BY HILT, INC, HILT FASTENING SYSTEMS - OR EQUAL INSTALL IN ACCORDANCE WITH DRAWINGS AND THE MANIFERDINEPS'S BEFORMERINGTIONS FAND ICC APPROVALS
- 13. 14.
- STATEMS OF EQUAL INSTALL IN ACCORDANCE WITH DEWINING AND THE MANUFACTURER'S RECOMMENDATIONS AND ICC APPROVALS FASTEMERS FOR PRESSURE -PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SECTION 2304.9.5 OF GEN NAUES AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY WITH SECTION 2304.9.1.1 OF GEC 15.
- 16.

- CONCRETE;
 CONCRETE SHALL DEVELOP A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS IN ACCORDANCE WITH ASTM C31 AND C39.
 TESTING SHALL BE IN ACCORDANCE WITH ASTM C31 AND C39.
 SECTION 1905A.1.2 AND ACI 318 SECTION 5.6. SAMPLES FOR STRENGTH TESTIS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, OR NOT LESS THAN ONCE FOR EACH 50 CUBIC YARDS (38.3 m³) OF CONCRETE, OLACED EACH DAY SHALL BE TAKEN NOT LESS THAN ONCE A DAY, OR NOT LESS THAN ONCE FOR EACH 50 CUBIC YARDS (38.3 m³) OF CONCRETE, ON NOT LESS THAN 2000 SQUARE FEET (186 m³) OF SURFACE AREA FOR SLABS OR WALLS, ADDITIONAL SAMPLES FOR SEVEN-DAY COMPRESSIVE STERICITI TESTS SHALL BE TAKEN FOR EACH CLASS OF CONCRETE AT THE BECINING OF THE CONCRETE WORK OR WHENEVER THE WIX OR AGGREGATE IS CHANGED.
 CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CBC (GCR TITLE 24, PART 2) AND ACI STANDARD 318, 2011 EDITION, OF THE AMERICAN CONCRETE INSTITUTE, UNLESS SHOWN OR NOTED OTHERWISE ON THESE FORWINGS.

- CCR TITLE 24, PART 2) AND ACI STANDARD 318, 2011 EDITION, OF THE AMERICAN CONCRETE INSTITUTE, UNLESS SHOWN OR NOTED OTHERWISE ON AMERICAN CONCRETE INSTITUTE, UNLESS SHOWN OR NOTED OTHERWISE.
 AGGREGATE SHALL GONFORM TO ASTM C.33 FOR NORMAL CONCRETE WEIGHT AND C330 FOR UIGHT WEIGHT CONCRETE AND CGE SECTION 1903A.
 CEMENT SHALL BE ASTM C150, TYPE I OR TYPE I
 REINFORCING STELL SHALL BE DEFORMED CONFORMING TO ASTM A615 GRADE 40 UNLESS OTHERWISE NOTED.
 WELDED WIRE FABRIC REINFORCEMENT SHALL BE IN COMPLIANCE WITH ALL REQUIREMENTS OF THE C36 AND THE REINFORCING STEEL WELDING CODE, AWS D1.4, LATEST REVISION, OF THE AMERICAN WELDING SOOET, PROVIDE WELDING PROCEDURE AND MILL TEST REPORTS FOR ALL REINFORCEMENT TO BE WELDED. SHALL BE IN COMPLIANCE WITH ALL REQUIREMENTS OF THE C36 AND THE REINFORCING STEEL WELDING SOOET, PROVIDE WELDING PROCEDURE AND MILL TEST REPORTS FOR ALL NOT BE WELDED. ARCHITECT SHALL APPROVE WELDING PROCEDURE, WELDED, ARCHITECT SHALL APPROVE WELDING PROCEDURE, WELDING SOOET, AND MILL TEST REPORTS PROR TO EXECUTION OF WELDING SOUTH ALL APPROVE AND MILL TEST REPORTS FOR ALL REINFORCING SHALL BE AND AND TABLE TOSA.21, TITLE 24, PART 2.
 REINFORCING SELT TO BE WELDED SHALL CONFORM TO ASTM A706.
 COVERAGE FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS ON THE DRAWINGS.
 LAPS ON SPLOCES. STAGER LAPS IN AUACENT HORIZONTAL OR SLOPING REINFORCING BARS SHALL BE SO BAR DIAMETERS OR 18" MINIMUM OTHERWISE. ON THE DRAWINGS. WIRE BARS TOGETHER AT LAPS OR SHOLLOSS. SHALL BE SHOWN OTHERWISE ON THE DRAWINGS. WIRE BARS TOGETHER AT LAPS ON SHON OTHERWISE ON THE DRAWINGS. WIRE BARS TOGETHER AT LAPS OR SHOULDES. STAGER LAPS IN AUACENT HORIZONTAL OR SLOPING REINFORCING BARS AMINIMUM OT THE REQUIRED SUCED BY L
- STANDARD 304. ALSO COMPLY WITH REQUIREMENTS OF ACI 318-11 CHAPTER 5 12. ALL EMBEDDED ITEMS SHALL BE PLACED ACCURATELY AND SECURED PRIOR TO BEGINNING CONCRETE PLACEMENT. 13. CONSTRUCTION JOINTS SHALL BE LOCATED SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE. CONSTRUCTION JOINTS SHALL COMPLY WITH ACI 318-11 CHAPTER 6. LOCATE CONSTRUCTION JOINTS SHALL COMPLY WITH DRAWINGS OR APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER AND DRAW
- ACI 318-11 CHAPTER 6. LOCATE CONSTRUCTION JOINTS AS SHOWN ON THE DRAMINGS OR APPROVED IN ADVANCE BY THE STRUCTURAL ENGINEER AND DSA.
 PROVIDE SHOP DRAWINGS FOR ALL REINFORCING STEEL TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY FABRICATION.
 CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE MIX DESIGNS TO THE ARCHITECT FOR APPROVAL PRIOR TO PLACEMENT OF ANY CONCRETE CONCRETE MIX DESIGNS SHALL BE PER COS SECTION 1904A2 AND ADD ADD SIGNS SHALL BE PER COS SECTION 1904A2 AND ADD ADD SIGNS SHALL BE PER COS SECTION 1904A2 AND ADD ADD SIGNS SHALL BE PER COS SECTION 1904A2 AND ADD ADD SIGNS SHALL BE PER COS SECTION 1904A2 AND ADD ADD SIGNS SHALL BE PER CONCRETE MIX DESIGNS SHALL BE PER CONCRETE MIX DESIGNS SHALL BE PER CONCRETE MIXES PROPOSED FOR USE UNDER THIS PROVISION AND TESTING SHALL BE CONCRETE MIXES PROPOSED FOR USE UNDER THIS PROVISION AND TESTING SHALL BE PERFORMED IN A LABORATORY ACCECPTABLE TO THE ENFORCEMENT AGENCY. ALL GROUT SHALL BE NONTHALL BE NONTHALL BE NOTHER SHALL BE ACHTECT. UTILIZE PRODUCTS RECOMMENDED BY THE MANUFACTURER FOR EACH APPLICATION AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 REINFORCING AND EMBEDMENT ITEMS SHALL BE FREE OF EXCESSIVE SCALE OR RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCE THAT WILL IMPAR BOND WITH CONCRETE. MANUFACTURER'S RECOMMENDATIONS.
 REINFORCING AND EMBEDMENT THEMS SHALL BE FREE OFFORCEMENT, FOR BOLTS INSTALLED IN CONCRETE EMENFORCEMENT, FOR BOLTS INSTALLE PROVIDE INSPECTIONS IN ACCORDANCE WITH TUTLE 24, PART 2, SECTION 1913A. A PLACING RECORD SHALL BE MAINTAINED FOR ALL PROVIDE INSPECTIONS IN ACCORDANCE WITH TITLE 24, PART 2, SECTION, SUPPORTITION IN ACCORDANCE WITH TITLE 24, PART 2, SECTION, SINGLE-STORY LIGHT FRAMEB BUILDINGS AND DISOLATED FOR MALL PROVIDE INSPECTIONS IN ACCORDANCE WITH TITLE 24, PART 2, SECTION, PARCING RECORD SHALL BE MAINTAINED FOR ALL CONCRETE RERERENT HE FOR THE STRUCTURE.

- COMPRESSIVE SHEARS IN THE CONTRECT DELIVERED TO THE GUIDELE DELIVERED TO THE GUIDELE DESIGN IS IS 3,500 PSI (24.13 MPa) AND WHERE THE FC USED IN THE DESIGN IS NOT GREATER THAN 3,000 PSI (20.68 MPa). THE GUANTIES OF CONCRE MATERNALS SHALL BE CERTIFIED BY A LICENSED WIGHMASTER AND THE GUIDELTY OF MATERIALS SHALL BE VERIFIED BY THE OWNER'S TESTING

- OUALITY OF MATERIALS SHALL BE VERIFIED BY THE OWNER'S TESTING AGENCY:
 OUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT THE STATIC PT THE DAY.
 LICENSED WEIGHMASTER TO POSITVELY IDENTIFY MATERIALS AS TO QUANTIFY AND CERTIFY TO EACH LOAD BY A BATCH TICKET.
 BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTIFES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD DEXNIFIED THERON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DALLY RECORD OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT ACENCY.
 COMPLY WITH ALL REQUIREMENTS OF TITLE 24, PART 2, SECTIONS 1705A.3.3.
 ALL CONCRETE WORK SHALL BE FORMED. CASTING OF FOUNDATION CONCRETE AGAINST SIDES OF FOOTING EXCAVATIONS SHALL NOT BE ALLOWED EXCEPT AS SPECIFICALLY APPROVED BY ARCHITECT.
 MAX CONC SLUMP TO BE 4*±1"

- CONCRETE FOUNDATION: 1. FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE OWNER'S ARCHITECT, IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP THE ALLOWABLE BEARING PRESSURE NOTED BELOW. CONCRETE FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF PER TITLE 24, TABLE 1806A.2.
- TABLE 1806A.2. THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE TYPICAL FOOTING STEP DETAILS ON THESE DRAWINGS. CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE 3.
- 4
- CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATE ON THESE DRAWINGS.
 PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT POND OR OTHERWISE COLLECT UNDER THE BUILDING.
 FOUNDATIONS ARE DESIGNED AS PERMANENT FOUNDATIONS IN ACCORDANCE WITH TITLE 24, CHAPTER 18A.
 A LL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM THESE RELOCATABLE BUILDINGS. SEE COVER SHEET FOR MINIMUM SEPARATION REQUIRED

- GENERAL NOTES
- STRUCTURAL STEEL: 1. NOT USED 2. NOT USED 3. NOT USED

- NOT USED ALL WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CALIFORNA BUILDING CODE (CBC) AND THE STRUCTURAL WELDING CODE STEEL, AWS D1.1, 2010 EDITION OF THE AMERICAN WELDING SOCIETY, WELDING DONE BY SHIELDING ELECTRIC-ARC OR FLUX-CORED PROCESS COMPLYING WITH AWS. FABRICATION AND ERECTION OF STRUCTURAL AND MISCELLARCOUS STEEL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2010 EDITION OF THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS OF THE AWERCAN INSTITUTE OF STEEL, CONSTRUCTION (AISC) (CBC CHAPTER 22A), ALSO COMPLY WITH REQUIREMENTS OF THE ALSC CODE OF STANADAD PRACTICE FOR STEEL BUILDINGS AND BRIDGES. TEMPORARY BRACING IS REQUIRED AS NEEDED UNTIL ALL ELEMENTS SHOWN ON STRUCTURAL DRAWINGS ARE IN PLACE. PRIME ALL STEEL SURFACES WITH AN APPROVED PRIMER, EXCEPT SURFACES TO BE EMBEDDED IN CONCRETE AND SURFACES TO RECIVE FIELD WELDS. TOUCH-UP FIELD WELDS AND OTHER EXPOSED STEEL SURFACES AFTER ERECTION, ALTERNATE; PROVIDE GULVANIZED PRE ASTM A-123. PROVIDE GULVANIZED PRE ASTM A-123. PROVIDE GULVANIZED PRE ASTM A-123. PROVIDE GULVANIZED EN ACCORDANCE WITH CCR TITLE 24, PART 2, SECTION 1705A.2, 4LJ STEEL SHALL BEF PROPERLY DENTIFIED PER SECTION 2203A. WELDING SHOLD BE IN ACCORDANCE WITH CCR TITLE 24, PART 2, SECTION 1705A.2, 2LJ. ALL WELDS RADID IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL ALL WELDS RED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL
- R
- 1705A.2.2.5. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 ft-lbs AT 0 DEGREES F, AS REQ. 9 Y SEC. 2212A.2.3
- BY SEC. 2212A.2.3 QUALIFED AND CERTIFIED WELDERS SHALL BE USED FOR ALL WELDING. ALL WELDING TO CONFORM TO THE 2010 EDITION OF THE AMERICAN WELDING SOCIETY STRUCTURAL WEDLING CODE AWS D1.1 10

ROLLED STRUCTURAL STEEL SHAPES ANGLES, MISC STEEL MISCELLANEOUS PLATES STRUCTURAL STEEL PIPES WELDING ELECTRODES	ASTM A-992, GRADE 50 ASTM A36 ASTM A-572 ASTM A53 TYPE E OR S, GRADE B AWS STRUCTURAL STEEL E70XX, REINFORCING STEEL E90XX
ANCHOR BOLTS TYPICAL STEEL CONNECTION BOLTS MISCELLANEOUS BOLTS GALVANZING RUSH-INHIBITING PRIMER STEEL TUBING	REINFURCING STELL E90XA ASTM A-1554 GRADE 36 ASTM A-250 ASTM A-207 ASTM A-123 TT-P-645 ASTM ASTM A-500 GRADE B (Fy = 46 KSI)

12.

13.

THE PLANS

ORDINARY FORMAT

C-3 5/8" X 1 1/2" X 20 GA (TRACK) C-3 5/8" X 1 5/8" X 20 GA (STUD)

C-3 5/8" X 1 1/2" X 18 GA (TRACK) C-3 5/8" X 1 5/8" X 18 GA (STUD)

C-3 5/8" X 1 1/2" X 16 GA (TRACK) C-3 5/8" X 1 5/8" X 16 GA (STUD)

C-4" X 1 1/2" X 20 GA (TRACK) C-4" X 1 5/8" X 20 GA (STUD)

C-4" X 1 1/2" X 18 GA (TRACK C-4" X 1 5/8" X 18 GA (STUD)

C-4" X 1 1/2" X 16 GA (TRACK) C-4" X 1 5/8" X 16 GA (STUD)

C-5 1/2" X 1 1/2" X 20 GA (TRACK C-5 1/2" X 1 5/8" X 20 GA (STUD)

C-5 1/2" X 1 1/2" X 18 GA (TRACK) C-5 1/2" X 1 5/8" X 18 GA (STUD)

C-5 1/2" X 1 1/2" X 16 GA (TRACK) C-5 1/2" X 1 5/8" X 16 GA (STUD)

C-6" X 1 1/2" X 20 GA (TRACK) C-6" X 1 5/8" X 20 GA (STUD)

C-6" X 1 1/2" X 18 GA (TRACK) C-6" X 1 5/8" X 18 GA (STUD)

C-6" X 1 1/2" X 16 GA (TRACK C-6" X 1 5/8" X 16 GA (STUD)

C-8" X 1 1/2" X 20 GA (TRACK) C-8" X 1 5/8" X 20 GA (STUD)

C-8" X 1 1/2" X 18 GA (TRACK) C-8" X 1 5/8" X 18 GA (STUD)

C-8" X 1 1/2" X 16 GA (TRACK C-8" X 1 5/8" X 16 GA (STUD)

ORDINARY FORMAT

C-6" X 8.2 LB

C-7" X 9.8 LB

C-10" X 15.3 LB

1-5" × 3" × 3/8"

GUAGE FORMAT

25

22

20

18

16

14

10

L-1 1/2" X 1 1/2" X 3/16"

- CONNECTED MEMBERS SHALL BEAR ONLY UPON UNTHREADED PORTIONS OF BOLTS
 BURNING OF HOLES IS NOT ALLOWED
 INSPECTION OF WELDING SHALL CONFORM TO CBC REQUIREMENTS (CHAPTER 17A)
 THE STRUCUTRAL STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION

- 16. BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLTS

- PAD FOUNDATIONS: (RESTRAINED)
 1. FOUNDATION BEARING SHALL BE AS APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AND THE OWNER'S ARCHITECT. IT IS THE SCHOOL DISTRICT'S RESPONSIBILITY TO PROVIDE ADEQUATE BEARING TO DEVELOP THE ALLOWARLE BEARING PRESSURE OF TODE DELOW
 2. FOUNDATIONS ARE DESIGNED FOR A MAXIMUM DEAD PLUS LIVE LOAD ALLOWARLE SOLI BEARING PRESSURE OF 1000 PSF. AS PER IR 16-1.
 3. THE BOTTOM OF ALL FOOTINGS SHALL BE LEVEL. CHANGES IN FOOTING ELEVATIONS SHALL BE MADE UTILIZING THE FOOTING SHIM DETAILS ON THESE DRAWINGS
 4. CENTER FOOTINGS UNDER WALLS OR COLUMNS UNLESS OTHERWISE INDICATED ON THESE DRAWINGS
 5. PROVIDE PROPER GRADING OF SITE SUCH THAT WATER DOES NOT POND OR OTHERWISE COLLECT UNDER THE BUILDING.
 6. VERITY THAT NO PIPES, UTILITIES, OR OTHER SUCH TEMS OCCUR BELOW FOOTINGS.
 7. FOUNDATIONS ARE DESIGNED AS "RESTRAINED FOUNDATION", IN ACCORDANCE WITH IR 16-1, SUBSTANDARD FOUNDATIONS
 a. ANCHOR FOOTINGS AT BUILDING STEEL DIFES DRIVEN FLUSH WITH TOP OF WOOD FOUNDATION PADS AND PENETRATING SOLI 12" MINIMUM AT A MAXIMUM SPACING OF 10'-0" FOOK BACH CORNER IN BOTH DIRECTIONS
 b. STARS AND RAMPS SHALL BE PROPERLY ANCHORED TO BUILDING TO PREVENT SEPARATION
 c. ALL BUILDING, TOR AT SUBERNANENT OR OTHER RELOCATABLE, ADJACENT TO

- TO PREVENT SEPARATION

- B. STARES AND RAME'S STALL BE PROPERT ANCHORED TO BOILDING TO PREVENT SEPARATION C. ALL BUILDINGS, PERMANENT OR OTHER RELOCATABLE, ADJACENT TO THESE RELOCATABLE BUILDINGS MUST BE SEPARATED FROM THESE RELOCATABLE BUILDINGS BY 4[°] MINIMUM FOUNDATION AND THAT IS EXPOSED TO THE WEATHER IS TO BE GALVANIZED. THE TIE PLATE WHICH ATTACHES THE FLOOR BEAM TO THE WOOD FOUNDATION AND THAT IS EXPOSED TO THE WEATHER IS TO BE GALVANIZED. TEK SCREWS THAT ATTACH THE THE PLATE TO THE FLOOR BEM ARE TO BE HOT-DIPPED GALVANIZED. ANCHOR BOLTS AND MECHANICAL EXPANSION ANCHORS WHICH ARE EXPOSED TO THE WEATHER ARE TO BE PAINTED WITH ZINC-BASED PAINT 9.

SELF-TAPPING SCREWS SELF-DRILLING SCREWS SELF-PIERCING SCREWS

ACCEPTABLE FASTENERS / ICC REPORTS: SILL PLATE THROUGH LIGHTWEIGHT CONCRETE: ICC REPORT #ESR-2269 OR #ESR-1752 SHOT PIN THROUGH LIGHT GAUGE STELL: ICC REPORT #ESR-2269 WOOD/WETL JAMB STUDDS TO STELL COLUMN: ICC REPORT #ESR-2269 SHOT PIN CONNECTION FOR METAL B-DECK: ICC REPORT #ESR-2776

	SECT 3.2.12 ASTM C1513
	SECT 3.2.9 ASTM C1513
6	SECT 3.2.9 ASTM C1513

REFERENCE ASTM C1513, STANDARD SPECIFICATION FOR TAPPING SCREWS FOR COLD-FORMED STEEL

REFERENCE AISI S213-07/S2-10, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL

FASTENERS MANUFACTURED WITH CARBON STEEL WIRE SHALL CONFORM TO ASTM A510

MACHINE_APPLIED_NAILING: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE MACHINE NAILING WILL NOT BE APPROVED IN 5/16'PLYWWOD, IF HAILHEADS PENTETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY AND MACHINE NAILING SHALL BE DISCONTINUED.

TESTING - THE OPERATOR, TOOL, AND FASTENER SHALL BE PRE-QUALIFIED BY THE PROJECT INSPECTOR. HE SHALL OBSERVE THE TESTING OF THE FIRST TO FASTENER INSTALLATORS. A TEST "PULL-OUT" LOAD OF NOT LESS THAN TWICE THE DESIGN LOAD SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN. THEREAFTER, RANDOM TEST UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 1 IN TO PINS. IF ANY PIN FAILS TESTING, TEST ALL PINS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE PASS, THEN RESUME THE INITIAL TESTING FEROLIFICY.

