GENERAL NOTES

- DO NOT SCALE THE DRAWINGS. EVERY ATTEMPT HAS BEEN MADE TO SHOW ITEMS TO SCALE, BUT NO GUARANTEE IS IMPLIED. ALWAYS INFORM THE ARCHITECT OF MISSING, INCOMPLETE, OR IMPROPER DIMENSIONS ON THE PLANS, OR WHEN EXISTING CONDITIONS DO NOT MATCH WHAT IS SHOWN ON THE PLANS. VERIFY CRITICAL DIMENSIONS.
- DIMENSIONS TO EXISTING CONSTRUCTION ARE GIVEN TO FACE OF FINISH, UNLESS INDICATED
- SPECIFICATIONS ARE NOTED THROUGHOUT THE PLANS. CONTACT ARCHITECT FOR CLARIFICATIONS IF PROVIDED, SEE ELECTRICAL, CIVIL AND PLUMING DRAWINGS FOR RELATED WORK AND EQUIPMENT WHERE ELECTRICAL ITEMS ARE SHOWN. AND NO DIMENSIONS OR OTHER FORMS OF LOCATION INFORMATION ARE PROVIDED, THE ARCHITECTURAL DRAWINGS SHALL GOVERN WITH RESPECT TO
- IF INDICATED, PROVIDE ALTERNATE BIDS AS DESCRIBED IN THE PLANS AND IN BID INSTRUCTIONS.
- SINCE THE WORK INCLUDES ALTERATIONS OF EXISTING FACILITIES, EXAMINATION OF THE EXISTING CONSTRUCTION SHALL BE MADE BY THE GENERAL CONTRACTOR AS IT RELATES TO THE WORK. THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS AS REQUIRED. NO ALLOWANCE SHALL BE ALLOWED FOR ANY EXPENSE INCURRED DUE TO FAILURE OR NEGLECT TO EXAMINE AND VERIFY EXISTING CONDITIONS. ANY CONFLICTS, OMISSIONS, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID SUBMISSION.
- THE PURPOSE OF THESE DOCUMENTS IS TO SHOW THE GENERAL ARRANGEMENT AND EXTENT OF NEW WORK, INCLUDING ADDITIONS, ALTERATIONS AND INTERFACING. ASSUMPTIONS HAVE BEEN MADE REGARDING ARCHITECTURAL, STRUCTURAL AND SYSTEM FEATURES OF EXPOSED AND CONCEALED EXISTING CONSTRUCTION. WORK WHICH IS OBVIOUSLY REQUIRED TO BE PERFORMED TO PROVIDE A COMPLETE AND OPERABLE FINISHED PRODUCT WITHIN THE SCOPE OF THIS CONTRACT. BUT WHICH IS NOT SPECIFICALLY INCLUDED IN THESE DOCUMENTS, SHALL BE PERFORMED BY THE GENERAL CONTRACTOR. ALL ITEMS ARE NEW UNLESS IDENTIFIED AS EXISTING (E).
- THERE WILL BE NO SUBSTITUTION FOR SPECIFIED ITEMS WITHOUT PRIOR WRITTEN APPROVAL, UNLESS OTHERWISE NOTED IN THESE PLANS. REQUESTS FOR SUBSTITUTIONS SHALL BE MADE IN WRITING TO THE ARCHITECT AND APPROVED BY THE ARCHITECT BEFORE ORDERING OR INSTALLING THE SUBSTITUTED
- REMOVE PORTIONS OF EXISTING CONSTRUCTION AS NECESSARY TO ACCOMMODATE NEW CONSTRUCTION AND REPLACE, PATCH OR REPAIR AS NEEDED. PROTECT AREA FROM DAMAGE WHICH MAY OCCUR FROM DEMOLITION. DUST. WATER, ETC. PROVIDE AND MAINTAIN TEMPORARY BARRICADES, CLOSURE WALLS, ETC. AS REQUIRED DURING THE PERIOD OF CONSTRUCTION.
- DAMAGE TO EXISTING STRUCTURES, FINISH, AND EQUIPMENT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ARCHITECT, AS APPROVED BY DSA AND AT THE EXPENSE OF THE GENERAL CONTRACTOR
- THE FINAL LOCATION OF ALL ELECTRICAL AND SIGNAL EQUIPMENT, PANEL BOARDS, FIXTURES, OUTLETS, ETC. SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION.
- DIMENSIONS NOTED "CLEAR" OR "CLR." MUST BE PRECISELY MAINTAINED. DO NOT SCALE DRAWINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION PRIOR TO DEMOLITION, FABRICATION OR CONSTRUCTION. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT, OR UNLESS NOTED OTHERWISE (I.E. "+/-" ON PLANS).
- DIMENSIONS NOTED "V.I.F." OR "VERIFY" SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF FABRICATION OR CONSTRUCTION. VERIFY ALL ROUGH OPENING DIMENSIONS, FOR FABRICATED ITEMS, WITH THE MANUFACTURER PRIOR TO CONSTRUCTION.
- EACH FLOOR LEVEL IS ESTABLISHED AT +0.00' AND SHALL BE USED AS A REFERENCE FOR THAT LEVEL'S
- PROVIDE REQUIRED BLOCKING AND BRACING FOR ALL WALL MOUNTED FIXTURES, ACCESSORIES AND EQUIPMENT. PATCH & REPAIR (E) WALL TO PREVIOUS CONDITION WHERE HOLES ARE CUT FOR NEW
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFTOVER MATERIALS, DEBRIS, TOOLS AND EQUIPMENT INVOLVED IN HIS OPERATIONS AT THE CONCLUSION OF THE WORK. LEAVE ALL AREAS
- CONTRACTOR SHALL REPAIR OR REPLACE ANY FENCE, SIDEWALK, PAVING, LANDSCAPING, ELEVATOR, FLOORING OR ANY OTHER BUILDING MATERIAL OR SYSTEM DAMAGED AS A RESULT OF LABOR, MATERIAL
- THE ARCHITECT AND THE ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY PRESENCE HANDLING REMOVAL OR DISPOSAL OF OR EXPOSURE OF PERSONS TO ASBESTOS, HAZARDOUS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE. PROFESSIONAI SERVICES RELATED OR IN ANY WAY CONNECTED WITH THE INVESTIGATION, DETECTION, ABATEMENT,
- THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OF RECONSTRUCTION SHALL BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS, SUCH AS DETERIORATION OR NONCOMPLIANT CONSTRUCTION, BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS, WHEREIN THE FINISHED WORK SHALL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY AND WAIT FOR INSTRUCTION BEFORE PROCEEDING WITH WORK.
- CONTRACTOR TO PROVIDE TEMPORARY BARRIERS AROUND CONSTRUCTION AREAS TO PROTECT PEDESTRIANS ON SITE. ALL EXITS AND EXIT PATHS, FIRE LANES AND ACCESSIBLE PARKING STALLS SHALL REMAIN CLEAR AND UNOBSTRUCTED, FREE OF DEBRIS AND CONSTRUCTION MATERIAL.

DESIGN CRITERIA FOR WIND AND SEISMIC LOAD

Risk Category: Basic Wind Speed Wind Exposure

| Description | Value |
|---|----------------|
| 2022 California Building Code (CBC) Site Classification 1 | D ² |
| Risk Category | II |
| Site Latitude ³ | 38.2836° N |
| Site Longitude ³ | 121.3011° W |
| S _S , Spectral Acceleration for a Short Period ⁴ | 0.554g |
| S ₁ , Spectral Acceleration for a 1-Second Period ⁴ | 0.244g |
| Fa, Site Coefficient | 1.357 |
| Fv, Site Coefficient (1-Second Period) | 2.112 |
| Sos, Spectral Acceleration for a Short Period | 0.501g |
| S _{D1} , Spectral Acceleration for a 1-Second Period | 0.344g |
| | |

ADMINISTRATIVE REQUIREMENTS

- THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION, AN ACCEPTANCE TEST IS A FUNCTIONAL TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
- LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
- MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT
- ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
- A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-
- THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED. AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
- PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE

GENERAL NOTES

- •All work shall conform to 2019 Title 24, California Code of Regulations (CCR).
- •The scope of work clearly indicate the scope of work on the cover sheet or general note sheet of the drawings. •Fabrication and installation of deferred submittal items shall not be started until contractor's drawings, specifications, and engineering calculations for the actual systems to be installed have been accepted and signed by the architect or structural engineer and approved by the DSA. List deferred submittal items for this project.
- Changes to the approved drawings and specifications shall be made by an addendum or a construction changed document (CCD) approved by the Division of the State Architect, as required by Section 4-338, Part 1, Title 24,
- •A "DSA Certified" project inspector employed by the District (Owner) and approved by the DSA shall provide continuous inspection of the work. The duties of the inspector are defined in Section 4-342, Part 1, Title 24, CCR. Project Inspector shall have a Class 3 certification minimum.
- •A DSA accepted testing laboratory directly employed by the District (Owner) shall conduct all the required tests and inspections for the project.
- •The intent of these drawings and specifications is that the work of the alteration, rehabilitation or reconstruction is to be in accordance with Title 24, CCR. Should any existing conditions such as deterioration or non-complying construction be discovered which is not covered by the contract documents wherein the finished work will not comply with Title 24, CCR, a construction change document (CCD), or a separate set of plans and specifications, detailing and specifying the required work shall be submitted to and approved by DSA before proceeding with the
- Grading plans, drainage improvements, road and access requirements and environmental health considerations

SCOPE OF WORK SUMMARY

work. (Section 4-317(c), Part 1, Title 24, CCR)

shall comply with all local ordinances.

Three portable classrooms and related ramps have been placed on base rock. Scope of work includes the site improvements to complete the installation in and around the classrooms. Improvements include grading, storm drain, concrete walks, paving, and curb ramps, and the extension of water, and sewer to points of connections at each portable. Electrical includes the addition of a transformer and extending power to each portable. Low voltage work: data, fire alarm, and intrusion alarm, shall be extended to each portable and the interiors. The School District will provide landscaping. To assist with construction, work may include rolling back the existing chain link fence fabric and reinstallation.

PROJECT REQUIREMENTS

2022 CALIFORNIA GREEN CODE - TITLE 24, Part 11 2022 CALIFORNIA ADMINISTRATIVE CODE - TITLE 24, Part 1 2022 CALIFORNIA BUILDING CODE - TITLE 24, Part 2 2022 CALIFORNIA ELECTRICAL CODE - TITLE 24, Part 3 2022 CALIFORNIA MECHANICAL CODE - TITLE 24, Part 4 2022 CALIFORNIA PLUMBING CODE - TITLE 24, Part 5 2022 CALIFORNIA ENERGY CODE - Part 6 2022 CALIFORNIA FIRE CODE - Part 9 2022 CALIFORNIA EXISTING BUILDING CODE - TITLE 24, Part 10 2022CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24, Part 12 TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS 2022 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CA

RULES AND REGULATIONS OF THE LOCAL UTILITY COMPANY A COPY OF PARTS I & II OF TITLE 24 SHALL BE KEPT AND AVAILABLE IN THE FIELD DURING CONSTRUCTION

GALT FIRE DEPARTMENT

DSA INFORMATION

TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

AS A FACILITY WHICH COMES UNDER THE APPROVAL OF THE DIVISION OF THE STATE ARCHITECT (DSA), THIS PROJECT IS SUBJECT TO DRAWING AND SITE REVIEW BY A REPRESENTATIVE OF DSA. ALL WORK SHALL CONFORM TO 2019

THE SCHOOL DISTRICT SHALL NOTIFY DSA OF THE START-UP OF CONSTRUCTION, SECTION 4-331

COMPLIANCE WITH CFC CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

SHOULD ANY EXISTING CONDITION SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY DSA-APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24 CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

STATEMENT OF GENERAL CONFORMANCE

(APPLICATION NO. <u>02 - 121488</u> FILE NO. <u>34 - 25</u>

THIS DRAWING, PAGE OF SPECIFICATIONS / CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT

DESIGN INTENT AND APPREARS TO MEET THE APPROPRIATE REQUIREMENTS TITILE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME. AND

COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT. THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS

ALL DRAWINGS OR SHEET LISTED ON THE COVER OR INDEX SHEET

RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302

AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24,

- IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

LICENSE NUMBER EXPIRATION DATE

PART 1. (TITLE 24, PART 1, SECTION 4-317 [b])

DEFERRED ITEM: N/A

CIVIL & ELECTRICAL

GALT JOINT UNION ELEMENTARY SCHOOL DISTRICT

LAKE CANYON ES PORTABLES

800 Lake Canyon Avenue, Galt, CA 95632

DSA APPLICATION AND FILE NO. 34-25

DRAWINGS INDEX

COVER SHEET

ARCHITECTURAL SITE PLAN

ENLARGED SITE PLAN

TOPOGRAPHIC SURVEY

ENGINEERED FILL PLAN

PAVING AND STRIPING PLAN

SYMBOLS AND DRAWINGS INDEX

POWER ONE-LINE DIAGRAM, RISERS &

SCHEDULES NOTES & CALCULATIONS

FIRE ALARM PLAN & RISER DIAGRAM

TYPICAL KEY PLAN AND SCHEDULES, GEN.

ARCHITECTURAL DETAILS (WOOD FRAMING

ROOF PLAN MONO SLOPE (STANDING SEAM)

PROJECT OPTIONS SCHEDULE

DSA 103 T & I PLYWOOD FLOORS

ARCHITECTURAL DETAILS (FLOOR)

EROSION CONTROL PLAN

DETAILS AND SECTIONS

ELECTRICAL SITE PLAN

ELECTRICAL PLAN

ELECTRICAL DETAILS

SIGNAGE AND SYMBOLS

SINGLE OCC. BATHROOM

CEILING DETAILS (T-GRID)

SIDEWALL ELEVATION

ENDWALL ELEVATIONS

INTERIOR ELEVATIONS

CEILING DETAILS (GYP. BOARD)

ROOF DETAILS (STANDING SEAM)

SECTION-STANDING SEAM (MONO)

ADDITIONAL OPTION DETAILS

ADDITIONAL OPTION DETAILS

ELECTRICAL SCHEDULES 24 X 40

120' X 40' T24 CZ 16 (WALL AC)

TYPICAL PLUMBING DETAILS

STRUCTURAL DETAILS (FLOOR)

STRUCTURAL DETAILS (ROOF)

WD WALL FRAMING ELEVATIONS

WALL DETAILS (WOOD FRAMING)

ROOF PERIMETER TRUSS

FRAMING SCHEDULES

LONG SECTION - (MONO)

MODULE PLAN AND NOTES

RAMP AND LANDING PLAN

RAMP AND LANDING FRAMING

TYP. FRAMING

COVER SHEET

FOUNDATION PLAN

FOUNDATION PLAN

RAMP DETAILS

STAIR CON

DETAILS & NOTES

MONO SLOPE ROOF FRAM'G PLAN

STRUCTURAL GEN. NOTES

120' X 40' T24 CZ 16 (WALL AC)

MECHANICAL CEILING PLAN 24 X40

WD SHTH'G. FLR. FRAM'G. PLAN(50+15 PSF)

24X40- 50 PSF AND/OR 50 + 20 RELOCATION

RAMP AND LANDING STAIR FRAMING ELEV

MISCELLANEOUS NOTES & DETAILS

ELECTRICAL PLAN 24 X40

ARCHITECTURAL DETAILS (PARAPET)

CALGREEN SPECS

SHTG. FINISH

CEILING NOTES

24 X 40 FLOOR PLAN

NOTES

DEMOLITION PLAN

GRADING PLAN

UTILITY PLAN

GENERAL

A1.11

A1.12

CIVIL

C0.1

C0.2

C1.1

C2.1

C3.1

C4.1

C5.1

C6.1

E0.01

E0.02

E1.01

E2.01

E3.01

E3.02

E4.01

*A0.0.

*A0.0.1

*A0.1

*A0.2

*A0.4

*A0.5

*A1.0.

*A2.1

*A2.9

*A3.1

*A3.2

*A3.2.1

*A3.3

*A3.4

*A4.1

*A4.5

*A5.0

*A5.1

*A5.2

*A6.0

*A6.2

*A7.1

*A7.2

*E1.0

*E1.1

*E2.1

*E2.2

*E2.3

*M0.1

*M2.1

*M2.2

*M2.3

*M2.4

*M5.1

*P1.0

*S0.1

*S1.2

*S3.1

*S3.3

*S4.1

*S4.2

*S4.4

*S4.5

*S5.0

*C-1.0

*F-1.0

*F-7.0

*SR0

*SR1

*SR2

*SR3

*SR4

*SR6

*SR7

TOTAL SHEETS: 77

PC-DRAWINGS #04-118239

PC-DRAWINGS #04-119408

*S1.0.1

*A4.0.1

PC-DRAWINGS

ELECTRICAL

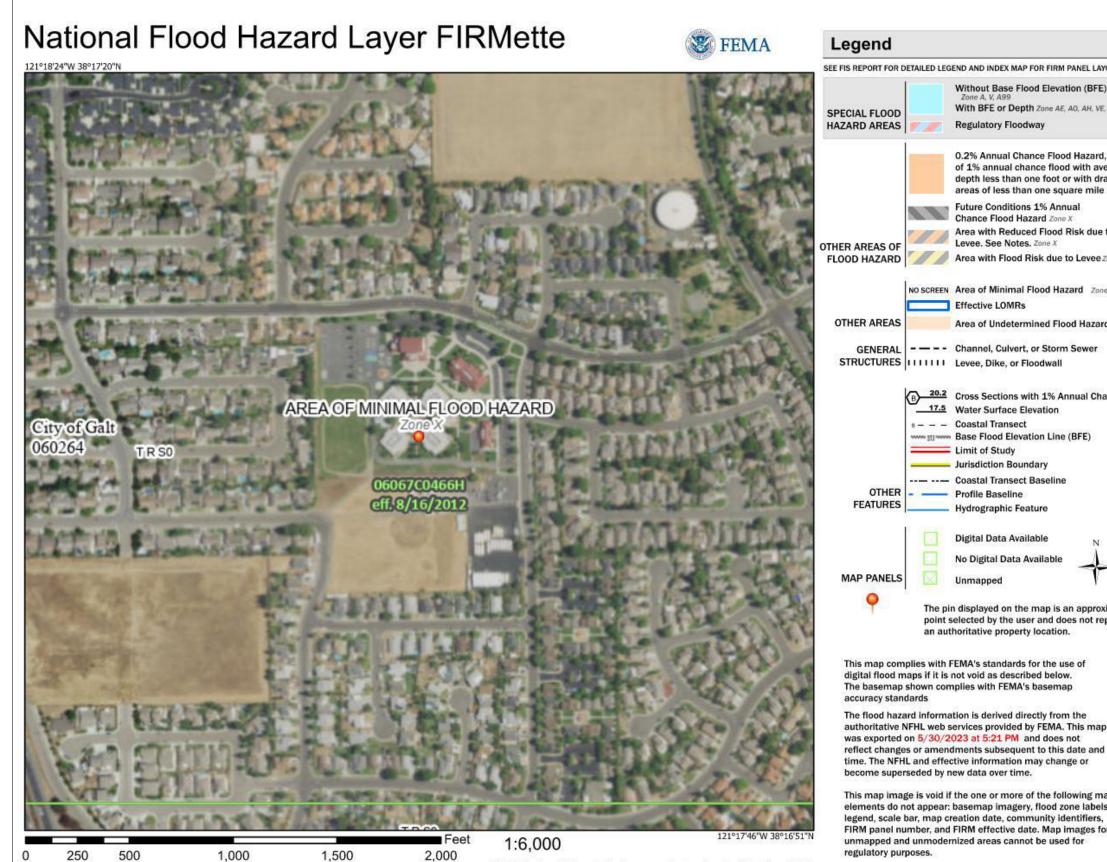
ARCHITECTURA

PROJECT TEAM PROJECT LOCATION **PROJECT SITE** OWNER(S): CONTACT: LOIS YOUNT SUPERINTENDENT GALT UNION ELEM. SCHOOL DISTRICT Foxtrotter Way 21 C STREET GALT, CA 95632 PHONE: 209.744.4545 ext. 310 E-MAIL: lyount@galt.k12.ca.us CONTACT: STEVE SOWA DERIVI CASTELLANOS ARCHITECTS, INC. 3031 W MARCH LANE, SUITE 334 STOCKTON, CA 95219 PHONE: 209.462.2873 E-MAIL: ssowa@dcaaia.com CIVIL ENGINEERING: CONTACT: ANTHONY TASSANO WARREN CONSULTING ENGINEERS, INC. 1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 PHONE: 916.985.1870 E-MAIL: anthony@wceinc.com CONTACT: DANNY MCKEVITT THE ENGINEERING ENTERPRISE 1305 MARINA VILLAGE PKWY STE 100 ALAMEDA, CA 94501 PHONE: 530.886.8556 E-MAIL: dmckevitt@engent.com

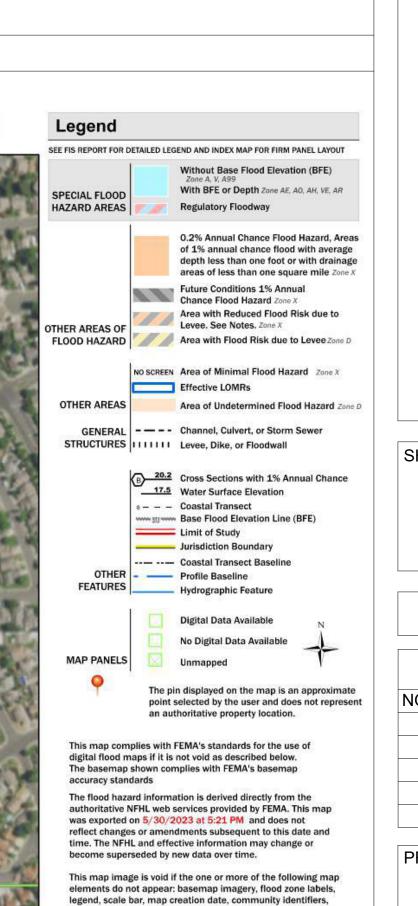
GENERAL LEGEND CIVIL GENERAL NOTES AND ABBREVIATIONS **GRAPHIC SCALE** TAGS AND MARKERS SECTION REFERENCE & NORTH ARROW **CASEWORK** PLAN REFERENCE GRID CASEWORK **SECTION NUMBER** NUMBER REFERENCE DEPTH STRUCTURAL GRID LINE LABEL WHERE HEIGHT OCCURS PROJECT NORTH SHEET NUMBER **REVISION MARKER REFERENCES DETAIL REFERENCE** PLAN KEY NOTES KEYNOTE NUMBER DETAIL NUMBER DIVISION NUMBER WINDOW TAG REFERENCE LABEL WHERE OCCURS **ELEVATION REFERENCE** DOOR NUMBER WALL TAG (ROOM#.DOOR#) NUMBER, Room name ROOM LABEL **DETAIL NUMBER** REFERENCE **ROOM NUMBER** LABEL WHERE OCCURS FINISH LABEL CENTER LINE SHEET NUMBER

FLOOD HAZARD MAP

FINISH NUMBER



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITE APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

stellano



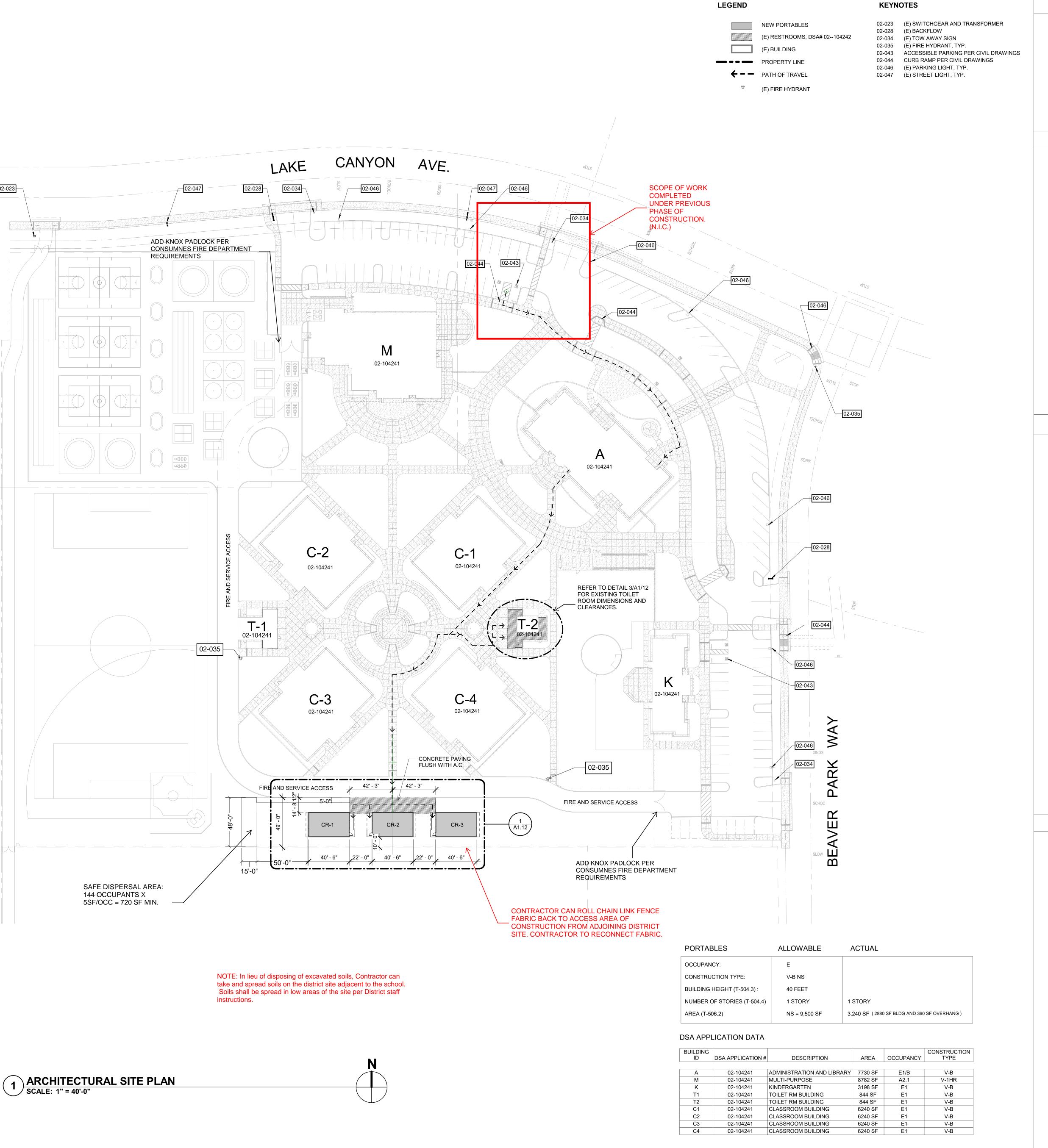
COVER SHEET

CONSTRUCTION DOCUMENTS

Revision Schedule Description

PROJECT # SHEET # ISSUE DATE:

06-20-2023



GENERAL NOTES

- THE D.A. POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR POT REQUIREMENTS FOR NEW CONSTRUCTION.
- 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 A CCD.
- ALL EXTERIOR CONDUIT SHALL BE PAINTED TO MATCH THE COLOR OF THE ADJACENT SURFACE. WHERE CONDUIT OCCURS ON THE ROOF, IT SHALL BE PAINTED TO MATCH THE DARKEST SHADE OF THE ROOFING MATERIAL. SEE ELEC. DWGS. FOR ALL CONDUIT LOCATIONS.

ACCESSIBLE ROUTE

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE POT IDENTIFIED IN THESE CONSTRUCTIONDOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS FOR 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 BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN 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 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 A CONSTRUCTION CHANGE DOCUMENT.

†-----

PATH OF TRAVEL, TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE "ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL."

PROJECT INFORMATION

810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for

| Pro | ject Name/School: Lake Canyon ES Portables | | | | | | |
|-----|---|------------|--------|-------------|--|--|--|
| Pro | ject Address: 800 Lake Canyon Ave., Galt CA 95632 | | | | | | |
| FIR | E & LIFE SAFETY INFORMATION | | | | | | |
| 1. | Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.) | Yes 🗹 | | No □ | | | |
| 2. | Was the fire hydrant water flow test performed as part of this LFA review? | Yes 🗹 | No □ | | | | |
| 3. | Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.) | Yes □ | | No 🗹 | | | |
| | Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/ | Moderate □ | High □ | Very High □ | | | |
| | Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.) | | | | | | |

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT

DEPARTMENT OF GENERAL SERVICES

Page 1 of 4 STATE OF CALIFORNIA



REQUEST FOR HYDRANT TESTING

10573 E Stockton Blvd. Elk Grove, CA 95624 (916) 405-7100 Fax (916) 685-6622

San Jose

Flow at 20 PSI Residual: 1701 gpm

Observed Flow: R. Burton

COSUMNES FIRE DEPARTMENT

Cosumnes Fire Department is responsible for providing test information on the location indicated on this form. It is the requesting party's responsibility to ensure that the information is appropriate to the location of your project. Information provided is an indication of the water supply characteristics in the immediate area on the date and time noted. Cosumnes Fire Department does not guarantee that this data will be representative of the water supply characteristics at any time in

Requester Company/Agency: Derivi Castellanos Architects Mail Address: 95 S Market Street, Suite 480

| E-mail Address: Ssowa@dcaaia.com | Phone: (408) 857 | |
|--|------------------------|------------|
| Location: | | |
| Project/Business Name: Lake Canyon Elementary School I | New Portable Classroom | S |
| Project or Business Address: 800 Lake Canyon Avenue | _{City:} Galt | Zip: 95632 |

Location of Test Hydrant: Fire Road off Beaver Park Way Location of Flow Hydrant: Beaver Park Way

Time of Test: 1300 has

Date Water Dept. Contacted: 165 5/17/2023

Hydrant Location (if other than street address):_ Special Instructions (if needed): Flow test as required for the Division of the State Architect

TEST RESULTS — This data shall be used for fire flow and sprinkler design.

Fire Marshal's Office Use Only Flow data provided by: J. Angus Pitot Reading: 38 PSi

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

APP: 02-121488 INC:

DATE: 6/29/2023

Professional Seals



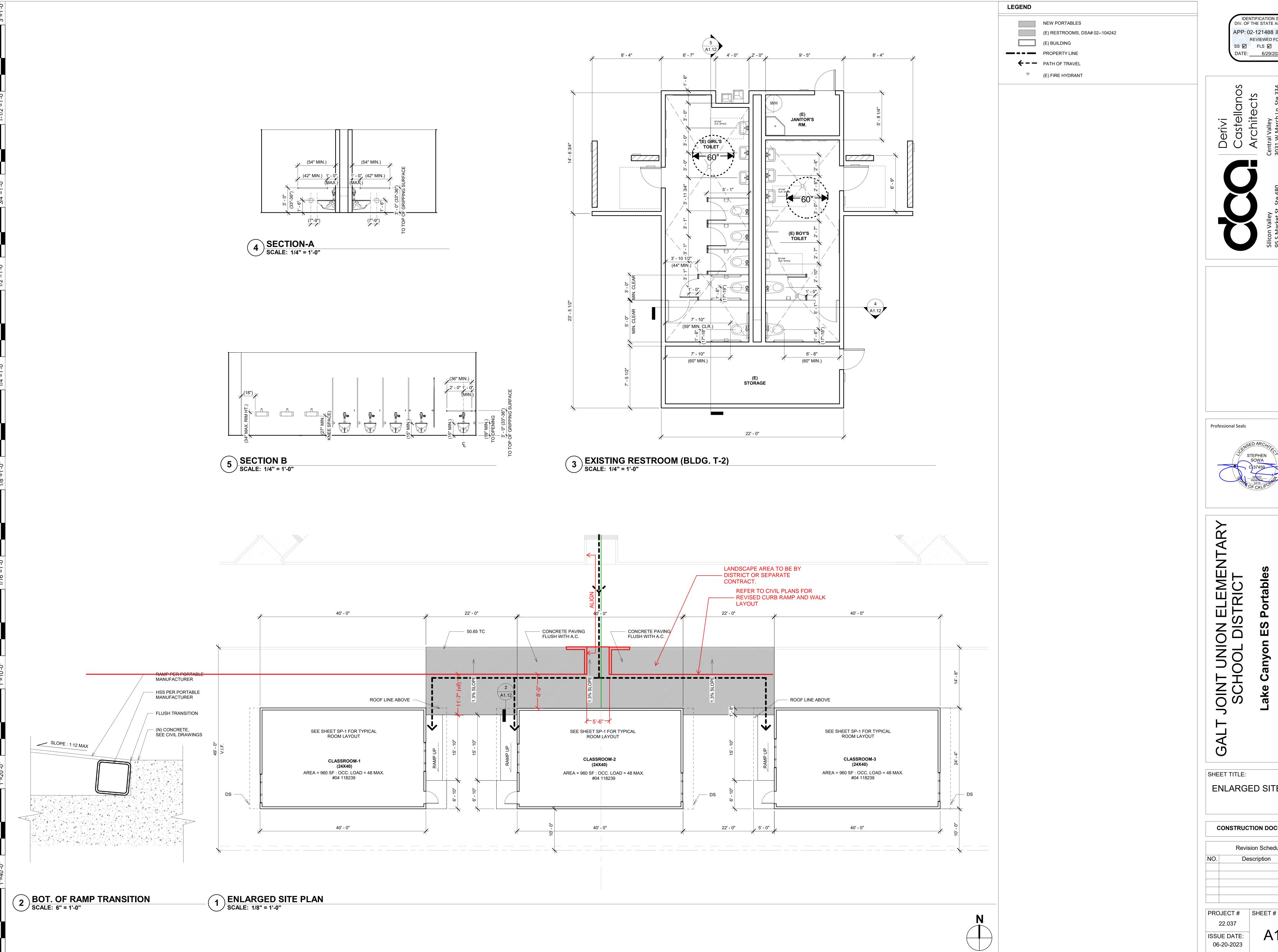
SHEET TITLE:

ARCHITECTURAL SITE

CONSTRUCTION DOCUMENTS

| | Revision Schedule | | | | | | | |
|-----|-------------------|------|--|--|--|--|--|--|
| NO. | Description | Date | | | | | | |
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PROJECT# SHEET# 22.037 ISSUE DATE: 06-28-2023



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹



ENLARGED SITE PLAN

CONSTRUCTION DOCUMENTS

Revision Schedule

TRW

TSW

UON

VCP

W/O

TOP OF RETAINING WALL

TOP OF WALK ELEVATION

UNLESS OTHERWISE NOTED

TOP OF SEAT WALL

VITRIFIED CLAY PIPE

UTILITY

WATER WITH

WITHOUT WATER VALVE

UNDERGROUND

DEMOLITION GENERAL NOTES

- IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR
- 2. NO BURNING OR BLASTING SHALL BE PERMITTED.
- 3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS
- 4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- 5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
- 6. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.
- 7. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTEND.
- 8. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED, REPLACED AND REINSTALLED AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- 9. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- 10. CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2014 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.

RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.

- 11. CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE
- 12. ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.
- 13. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST THE LOCATION OF DEMOLITION AS SHOWN A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
- 14. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING PLANTING AND IRRIGATION ALONG EDGES OF DEMOLITION AND NEW PAVEMENT. CONTRACTOR SHALL REPAIR ANY DAMAGE, TO INCLUDE NEW IRRIGATION LINES, NEW HEADS, NEW BARK/MULCH AND NEW SOD TURF WHERE NECESSARY.

UTILITY VERIFICATION NOTE

PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE, IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

IRRIGATION DEMOLITION NOTE

BLOW-OFF VALVE + SIZE

POST INDICATOR VALVE

WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS



- OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF **Call** before you dig. PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS, IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE
- 3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.

FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.

- 4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- 5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
- 6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
- 7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE
- 8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
- 9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
- 10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
- 11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
- 12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS.
- SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS. 13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING
- 14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY
- SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR. 15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN
- 16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE
- 17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
- 18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
- 19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
- 20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
- 21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
- 22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO
- SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS. 23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT

GENERAL PAVING SURFACE NOTES:

SLOPE AWAY FROM THE BUILDING.

INSPECTOR OR LABORATORY TECHNICIAN.

- 1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
- 2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
- NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
- NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
- NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS. ALL IMPERVIOUS SURFACES ADJACENT TO BUILDINGS REQUIRE A 1% MIN. AND 2% MAX

SHEET INDEX

<u>CIVIL</u>

CO.1 CIVIL GENERAL NOTES

- AND ABBREVIATIONS
- C1.1 DEMOLITION PLAN

CO.2 TOPOGRAPHIC SURVEY

- C1.2 ENGINEERED FILL PLAN
- C2.1 GRADING PLAN
- C3.1 UTILITY PLAN C4.1 PAVING AND STRIPING PLAN
- C5.1 EROSION CONTROL PLAN
- C6.1 DETAILS AND SECTIONS

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Professional Seals



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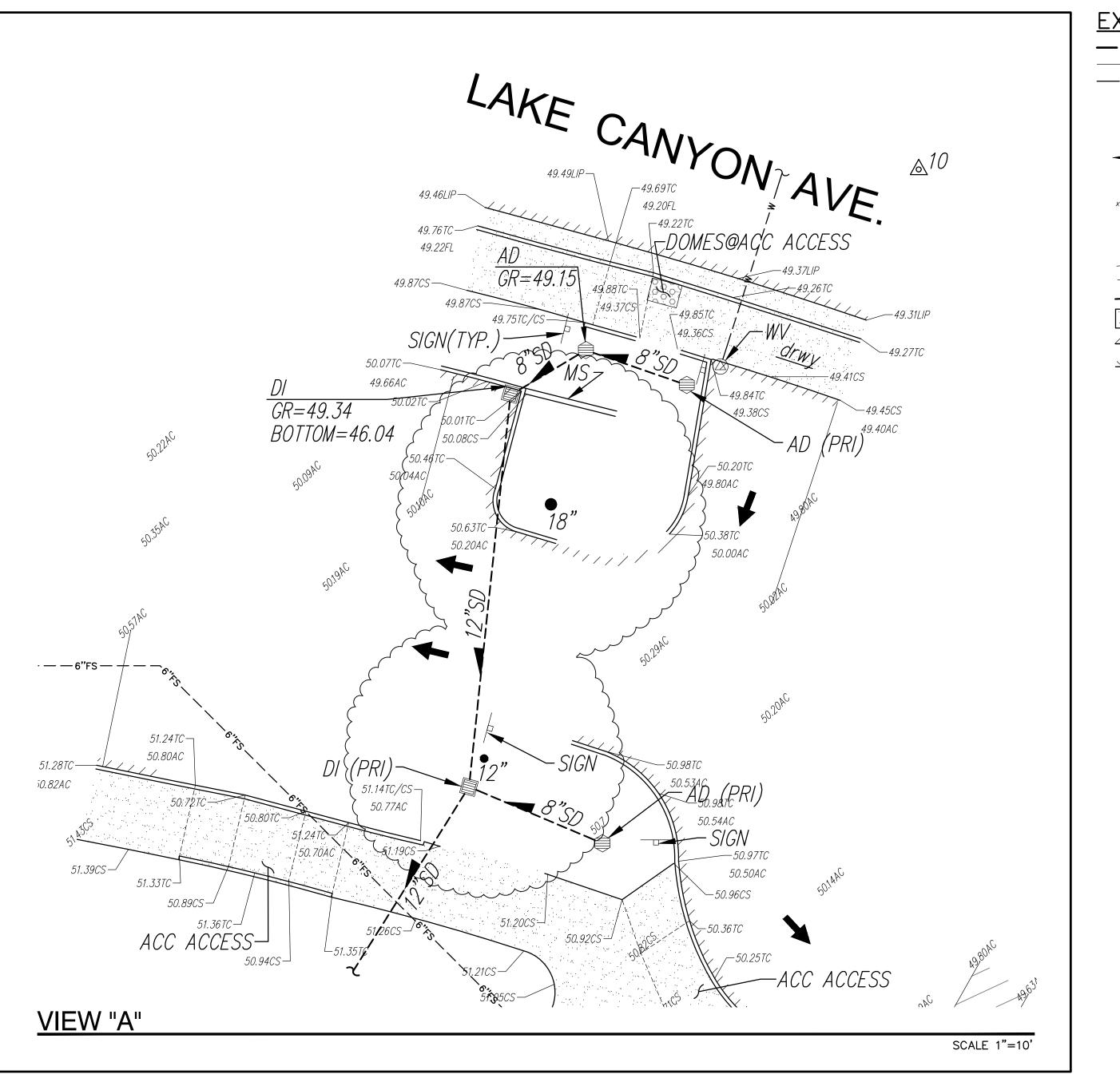
CIVIL GENERAL NOTES AND ABBREVIATIONS

CONSTRUCTION DOCUMENTS

Revision Schedule Description

PROJECT # | SHEET # ISSUE DATE:

C_{0.1}



EXISTING TOPOGRAPHY ---- = PROPERTY LINE _____ = CENTERLINE ___ _ _ = EASEMENT = PROPERTY CORNER FOUND AS NOTED = PROPERTY CORNER NOTHING FOUND OR SET = TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO) = SWALE OR DRAINAGE FLOW = DRAINAGE FLOW = FENCE (TYPE NOTED) = TREE (SIZE/TYPE INDICATED) = SLOPE ____ 100 ____ = CONTOUR = CONCRETE SURFACE = EDGE OF ASPHALT = EDGE OF BUILDING = SIGN = POST OR BOLLARD = GROUND ELEVATION = HARD SURFACE ELEVATION

EXISTING UTILITIES = STORM DRAIN LINE (SIZE & DIRECTION OF FLOW) _____12"SD__ = STORM DRAIN LINE (RECORD INFORMATION) $\underline{}$ 12"SD $\underline{}$ = STORM DRAIN LINE (UNDERGROUND LOCATING) = STORM DRAIN MANHOLE = STORM DRAIN CLEANOUT = DROP INLET = AREA DRAIN = RAIN WATER LEADER = DOWNSPOUT = SANITARY SEWER LINE (SIZE & DIRECTION OF FLOW) _____12"SS _ = SANITARY SEWER LINE (RECORD INFORMATION) = SANITARY SEWER LINE (UNDERGROUND LOCATING) = SANITARY SEWER MANHOLE = SANITARY SEWER CLEANOUT = WATER LINE (SIZE INDICATED) ---w-- = WATER LINE (RECORD INFORMATION) - - w - - = WATER LINE (UNDERGROUND LOCATING)= WATER MANHOLE = WATER VALVE = WATER METER = WATER BOX = IRRIGATION CONTROL VALVE = FIRE HYDRANT = BACKFLOW PREVENTER

= SPRINKLER

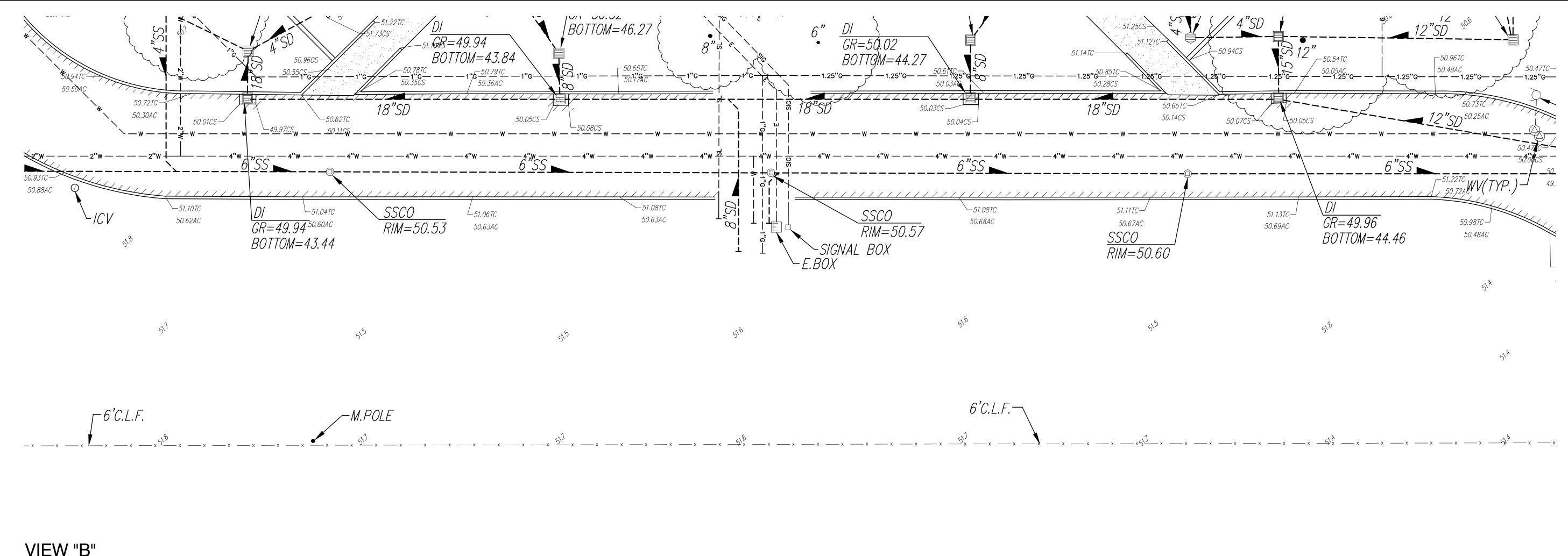
= HOSE BIBB

---E = UNDERGROUND ELECTRIC LINE ---E--- = UNDERGROUND ELECTRIC LINE (RECORD INFORMATION) — — E — — = UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING) = ELECTRIC MANHOLE = UTILITY POLE (WITH GUY WIRE) = ELECTRIC METER = ELECTRIC BOX = STREET LIGHTING BOX \square \square \square \square \square \square \square = LIGHT STANDARD □ □ □ □ = SIGNAL LIGHT = FLOOD LIGHT = ELECTRICAL OUTLET $G \longrightarrow G \longrightarrow G$ = GAS LINE (SIZE INDICATED) ---G---= GAS LINE (RECORD INFORMATION) --G - - = GAS LINE (UNDERGROUND LOCATING)= GAS MANHOLE = GAS VALVE = GAS METER --t --- = TELEPHONE LINE ---t --- = TELEPHONE LINE (RECORD INFORMATION) ---t --- = TELEPHONE LINE (UNDERGROUND LOCATING) = STORM DRAIN BOX

= TRAFFIC SIGNAL BOX

-- OH-E -- = OVERHEAD ELECTRIC LINE

10 CPF CL MON 5779.79 5542.76 49.25 20 CPS CHISELED "+" 5558.24 5674.28 50.86 24 CPS CHISELED "+" 5196.84 5515.57 50.84 25 CPS CHISELED "+" 5236.73 5187.15 50.09



GRAPHIC SCALE

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS. ASPHALTIC CONCRETE ACCESSIBLE AIR CONDITIONING UNIT AREA DRAIN ASSESSOR'S PARCEL NUMBER APPARATUS BBALL BCM BFP BASKETBALL POLE BRASS CAP MONUMENT BACK FLOW PREVENTER BOLLARD BLOW-OFF VALVE B.W.F. BARBED WIRE FENCE COMMUNICATION CABLE TELEVISION CAPPED IRON PIPE CHAIN LINK FENCE CORRUGATED METAL PIPE CLEANOUT COLUMN CONC. COND. CPF CPS CONCRETE CONDENSATE CONTROL POINT FOUND CONTROL POINT SET CONCRETE SURFACE DRINKING FOUNTAIN DECOMPOSED GRANITE DROP INLET DIAMETER DRIVEWAY DRWY DOWNSPOUT DRAWING ELECTRIC EDGE OF PAVEMENT EASEMENT FIRE ALARM FIRE DEPARTMENT CONNECTION FINISHED FLOOR ELEVATION FIRE HYDRANT FLOWLINE FIBER OPTIC FIRE SERVICE GAS GRADE BREAK GRATE GROUND ROD BOX GROUND ROD GAS VALVE HOSE BIBB HEADER BOARD HIGH PRESSURE HANDRAIL
HIGH VOLTAGE ELECTRIC
HOG WIRE FENCE
IN CONCRETE IRRIGATION CONTROL PANEL IRRIGATION CONTROL VALVE

LANDING

MANHOLE

ROLLING GATE

RIGHT OF WAY RETAINING WALL REDWOOD

RAIN WATER LEADER STORM DRAIN

STEEL TELEPHONE TETHER BALL POLE

TOP OF CURB TOP OF WALL

UNDERGROUND UNKNOWN

VOLLEYBALL

THE SUBJECT PROPERTY IS LOCATED IN "ZONE X--AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN" PER FLOOD

INSURANCE RATE MAP 06067C0466H DATED

VBALL

XWALK

BASIS OF BEARINGS: **ASSUMED**

F.E.M.A. INFORMATION:

AUGUST 16, 2012.

NOTE: EXISTING UTILITIES BASED ON

VISIBLE SURFACE STRUCTURES

AND RECORD INFORMATION.

TEMPORARY BENCHMARK

TELEPHONE POLE TOP OF RETAINING WALL

STORM DRAIN MANHOLE

STREET LIGHT BOX
SANITARY SEWER
SANITARY SEWER CLEANOUT
SANITARY SEWER MANHOLE

MANHOLE RIM ELEVATION

PIPE INVERT ELEVATION IRRIGATION
JOINT UTILITY POLE
JOINT TRENCH LOW VOLTAGE ELECTRIC WARREN CONSULTING ENGINEERS, INC. METAL STORAGE CONTAINER NOT TO SCALE OVERHEAD OVERHANG EL DORADO HILLS, CA 95762 | (916) 985-1870 OPEN IRON PIPE
OLD STEEL POST HOLE
PROPERTY LINE
PLANTER AREA
PARKING BUMPER **Professional Seals** POSTHOLE
POST INDICATOR VALVE
POWER POLE
PARKING PUBLIC UTILITY EASEMENT PAVERS POLYVINYL CHLORIDE RUBBER

C

Castellan Architect

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SHEET TITLE: **TOPOGRAPHIC SURVEY**

CONSTRUCTION DOCUMENTS

Revision Schedule Description

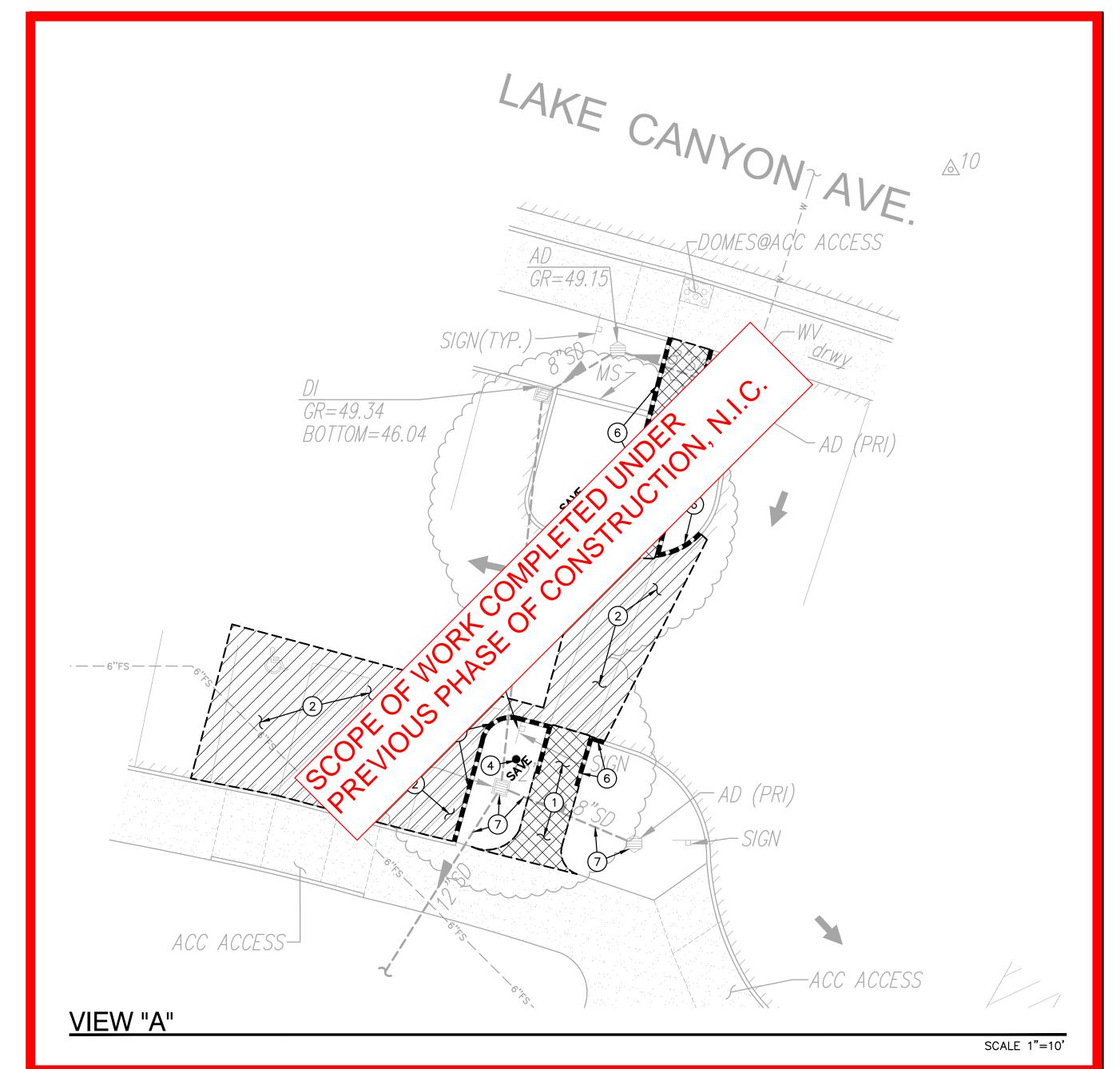
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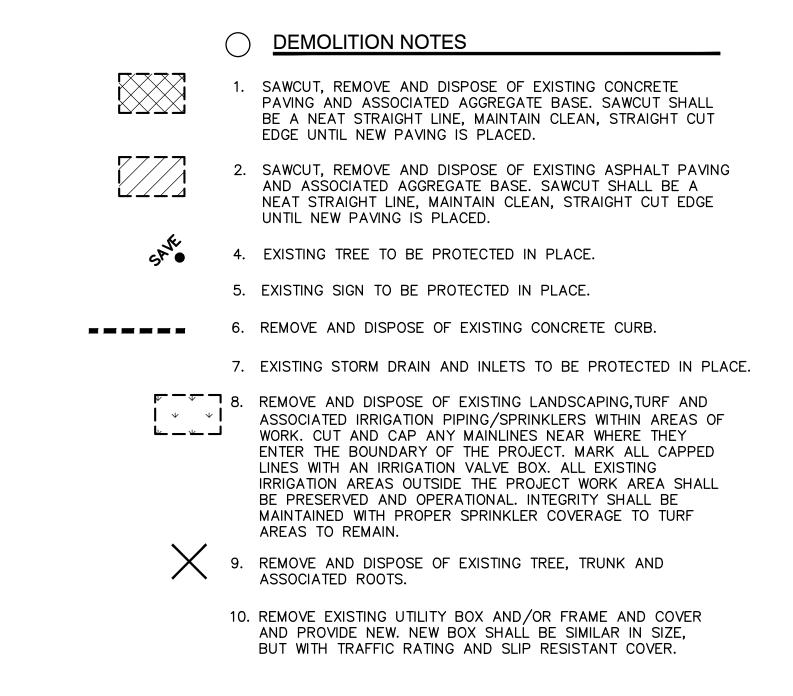
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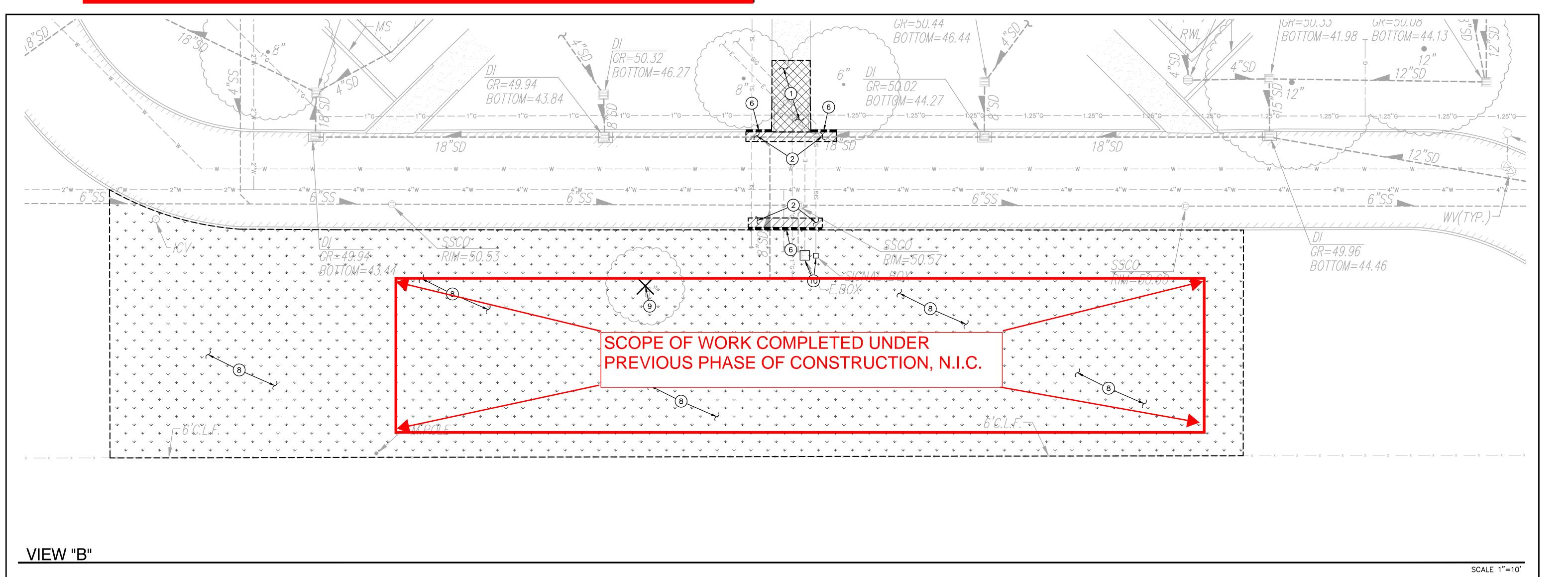
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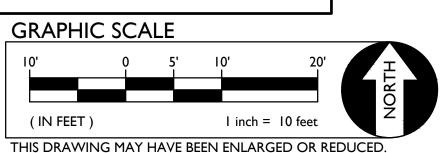
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CHOOL DISTRICT UESD Lake Canyon ES

SHEET TITLE:

DEMOLITION PLAN

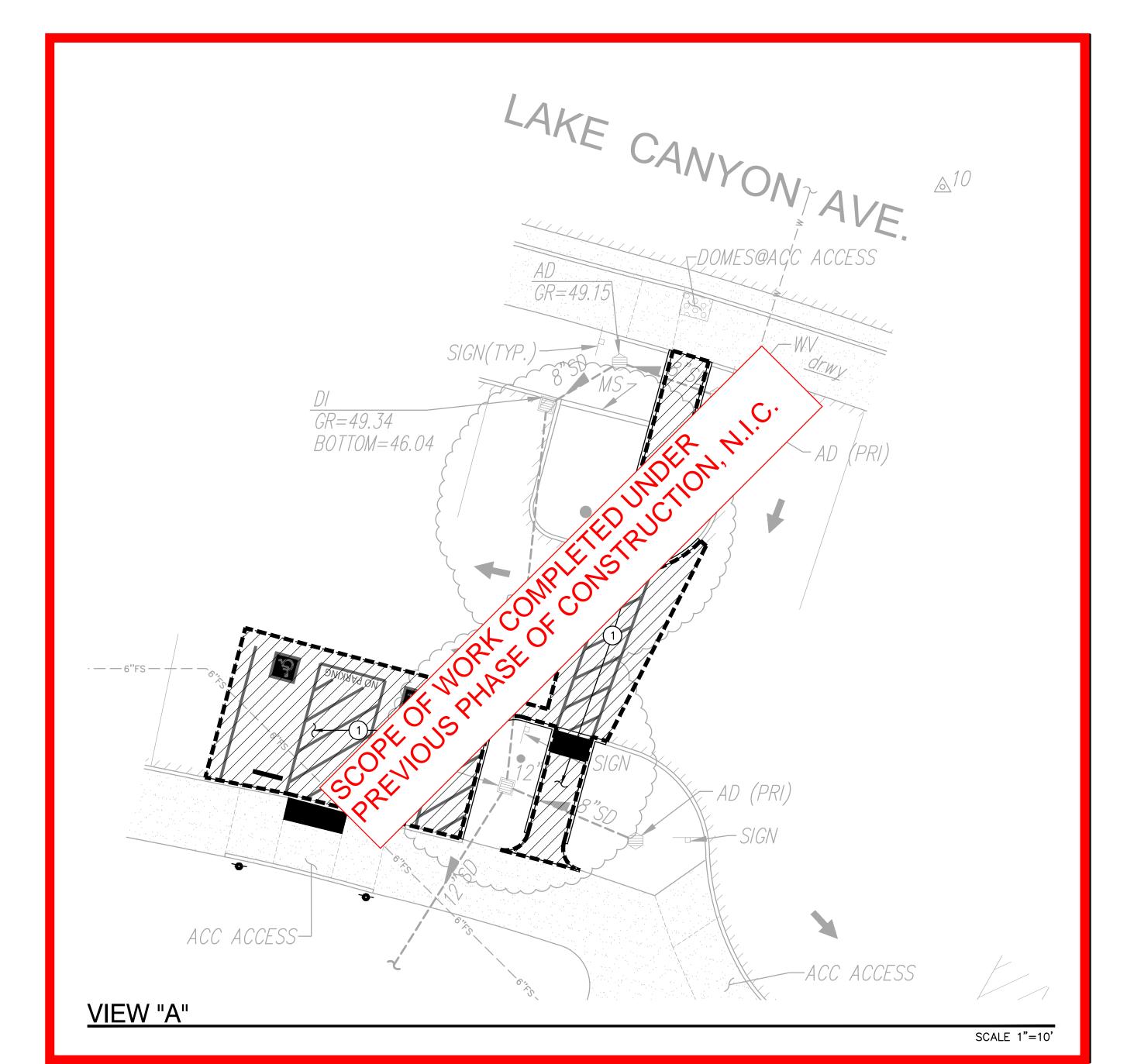
CONSTRUCTION DOCUMENTS

Revision Schedule

NO. Description Date

PROJECT # SHEET #

ISSUE DATE:



SUBGRADE PREPARATION



1. FOLLOWING SITE DEMOLITION ACTIVITIES,

FOR AREAS TO BE CUT TO ACHIEVE SUBGRADE, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO 1-3 PERCENT ABOVE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

FOR AREAS TO BE FILLED TO ACHIEVE SUBGRADE, SCARIFY EXPOSED SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT 1-3 PERCENT ABOVE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. FILL MATERIAL SHALL BE PLACED IN LEVEL LAYERS NOT EXCEEDING 8 INCHES IN UNCOMPACTED THICKNESS. FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

THE UPPER 12 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVING SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY.

SUBGRADE PREPARATION SHALL EXTEND AT LEAST 2 FEET BEYOND EDGE OF PROPOSED ASPHALT AND CONCRETE PAVING WHEN NOT ABUTTING EXISTING PAVING ..

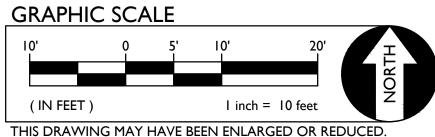
GENERAL NOTES

1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.

2. NO BURNING SHALL BE PERMITTED.

3. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCÂVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

GR=50.44 BOTTOM=46.44 GR=49.94 BOTTOM=43.84 SCOPE OF WORK COMPLETED UNDER PREVIOUS PHASE OF CONSTRUCTION, N.I.C. VIEW "B"





Professional Seals



SHEET TITLE: **ENGINEERED**

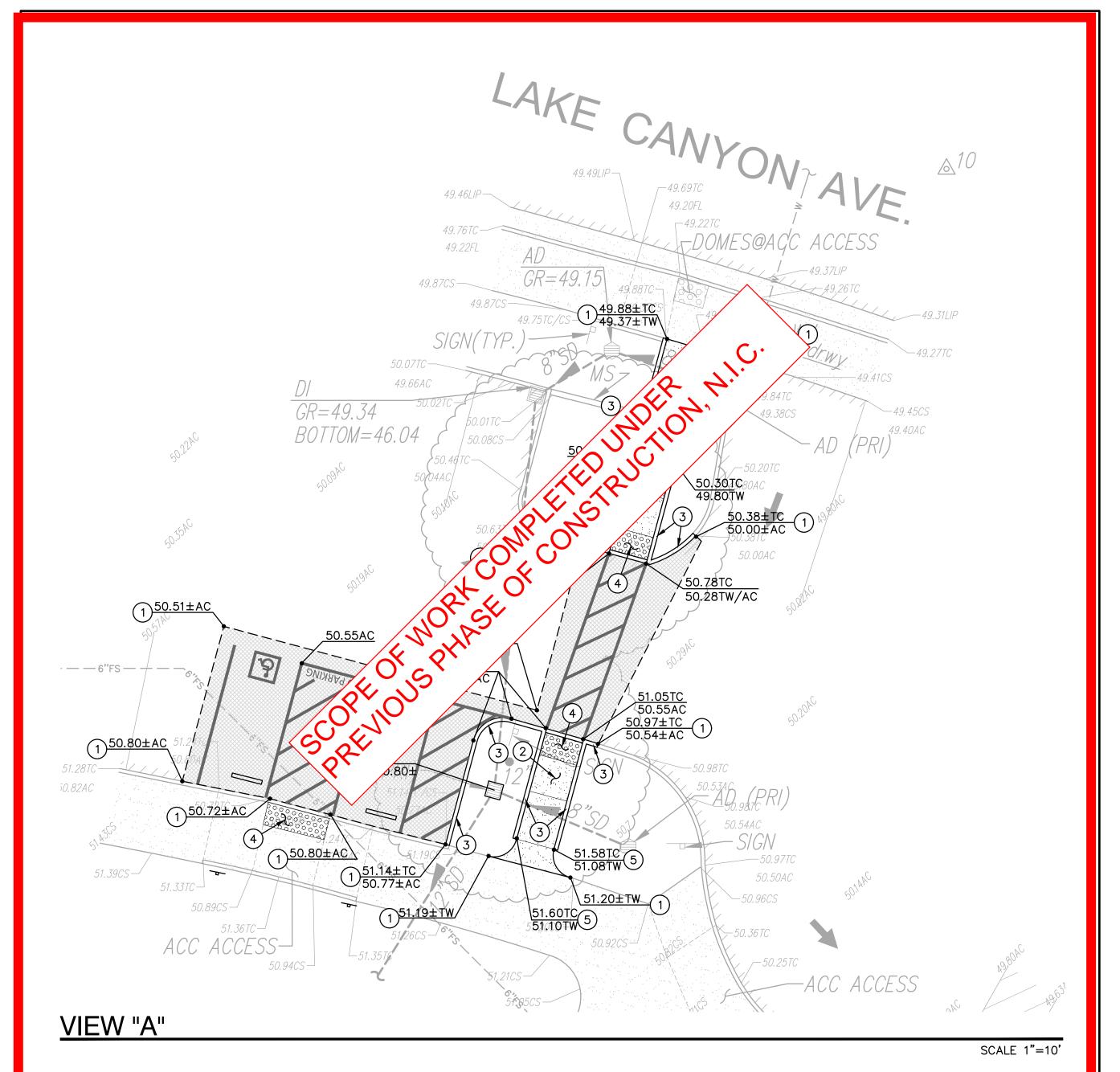
CONSTRUCTION DOCUMENTS

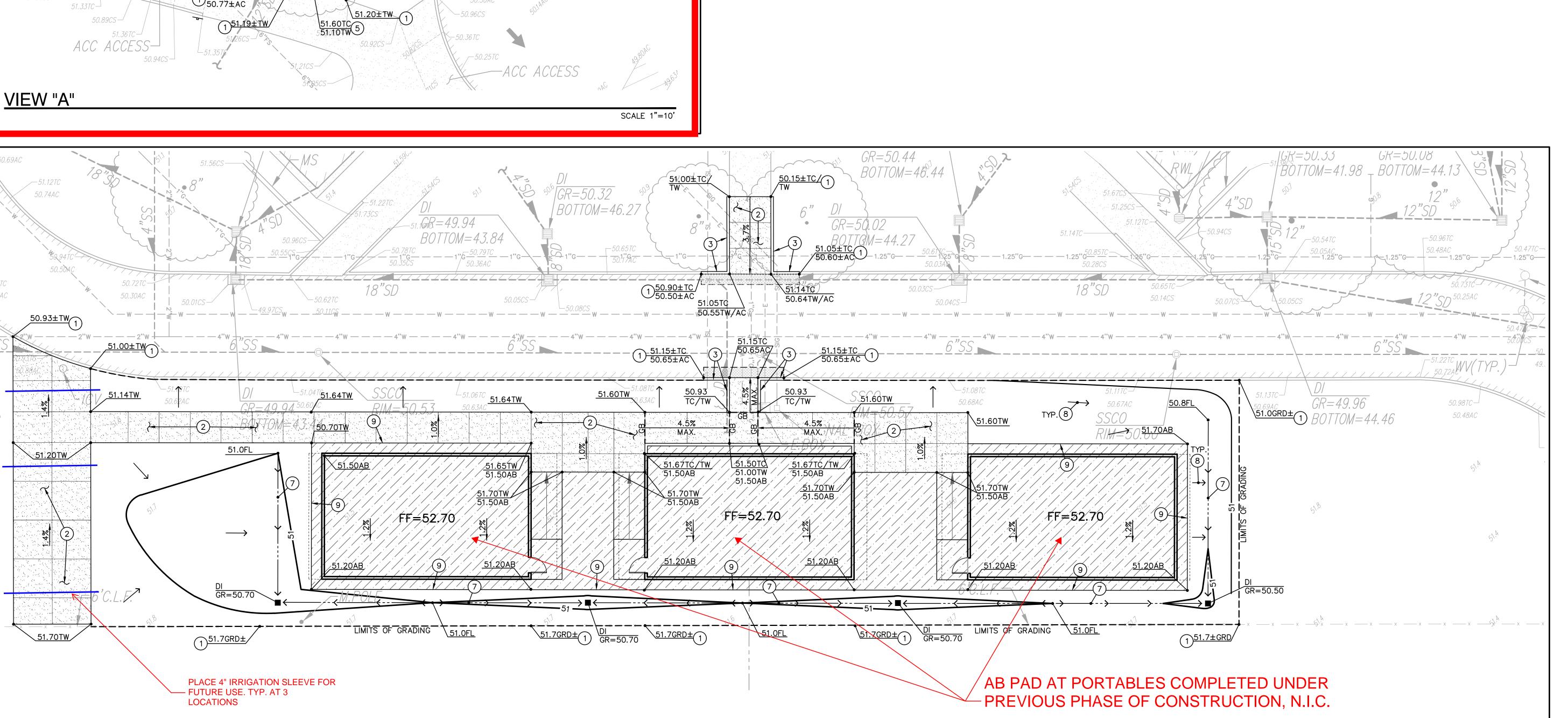
FILL PLAN

Revision Schedule Description

PROJECT # SHEET #

ISSUE DATE:







1. MATCH EXISTING GRADE/ELEVATION.

2. CONSTRUCT CONCRETE SIDEWALK PER (1)

3. CONSTRUCT CONCRETE CURB PER

4. PLACE TRUNCATED DOMES PER

(2)

(3)

(6)

5. TAPER LAST 6" OF CURB AT 45° TO FLUSH WITH PAVING.

6. CONSTRUCT FLUSH CONCRETE CURB PER $\frac{4}{C6.1}$

7. CONSTRUCT FLUSH CONCRETE CURB PER CE

8. GRADE UNIFORMLY.

9. PLACE HEADER BOARD AT PORTABLE PAD PER $\begin{pmatrix} 5 \\ C6.1 \end{pmatrix}$

Silicon Valley
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San Jose, CA 95113
(408) 320-4871
www.dcaaia.com



Professional Seals



SHOOL DISTRICT JESD Lake Canyon ES

SHEET TITLE:

GRADING PLAN

CONSTRUCTION DOCUMENTS

Revision Schedule

D. Description Da

PROJECT # SHEET #

SCALE 1"=10'

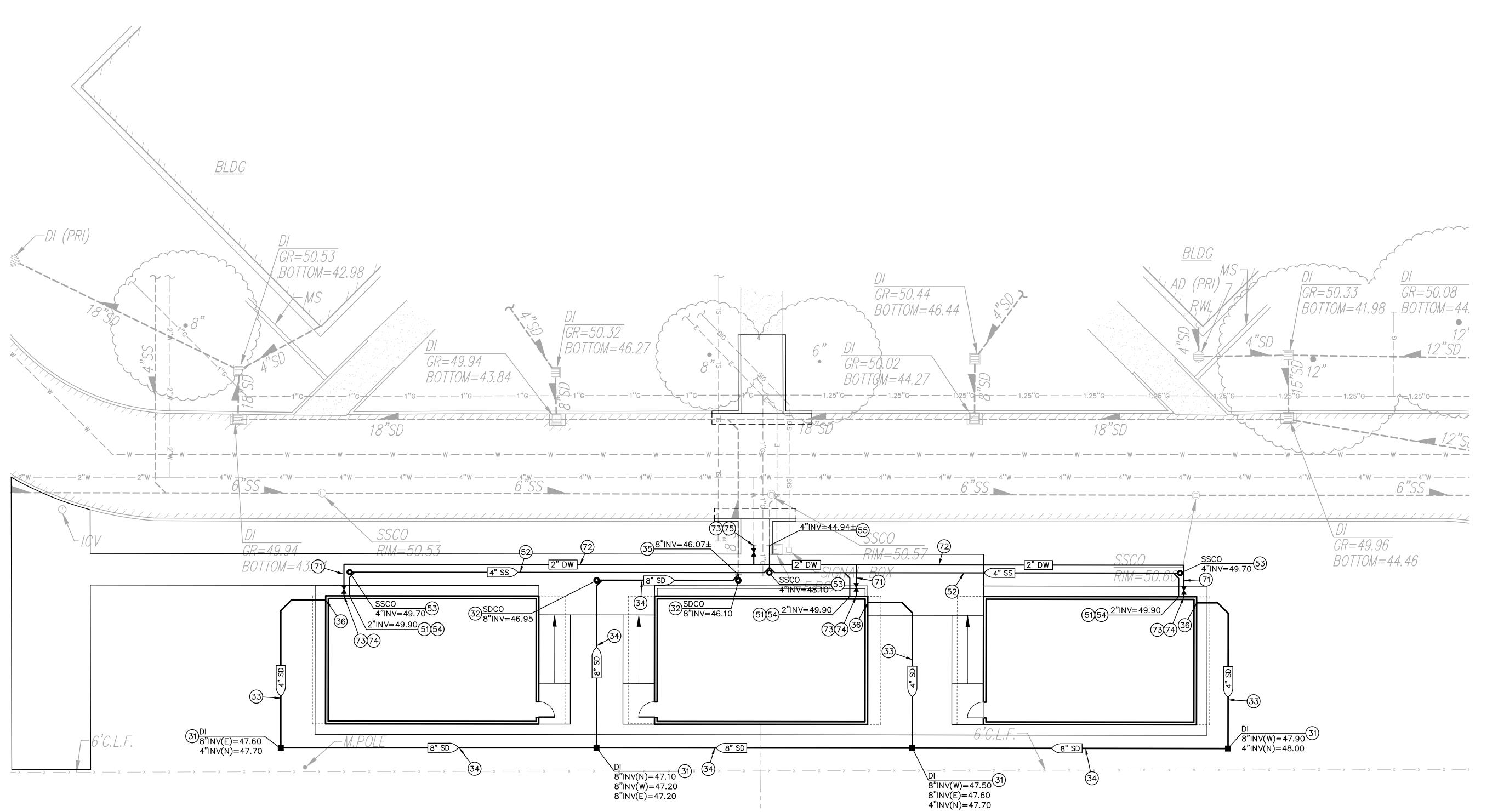
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GRAPHIC SCALE

C2.1

ISSUE DATE:

ENAME: I: \22-175\CIVIL\DW 40' 80' VIEW "B"



O DRAINAGE NOTES

32. CONSTRUCT STORM DRAIN CLEANOUT PER $\binom{\prime}{\text{C6.1}}$

34. PLACE 8" STORM DRAIN PER C6.1

52. PLACE 4" SEWER PER C6.1

53. CONSTRUCT SEWER CLEANOUT PER $\frac{\prime}{(C6.1)}$

54. CONNECT TO BUILDING SEWER SERVICE. COORDINATE
EXACT LOCATION AND DEPTH AT BUILDING PRIOR TO
TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE

55. CONNECT TO EXISTING SEWER. FIELD VERIFY EXACT DEPTH, AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

O DOMESTIC WATER NOTES

71. PLACE 1" WATER PIPE PER

72. PLACE 2" WATER PIPE PER C6.1

73. PLACE GATE VALVE AND VALVE BOX. SIZE TO MATCH (11) C6.1

74. CONNECT TO BUILDING DOMESTIC WATER SERVICE.
COORDINATE EXACT LOCATION AND DEPTH AT BUILDING
PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY
TO MAKE CONNECTION.

31. CONSTRUCT DROP INLET PER $\binom{6}{C6.1}$

33. PLACE 4" STORM DRAIN PER 8

35. CONNECT TO EXISTING STORM DRAIN. FIELD VERIFY EXACT DEPTH, LOCATION AND CONDITION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

36. PROVIDE DOWNSPOUT CONNECTION PER $\left(\frac{9}{6.1}\right)$

SEWER NOTES

51. PLACE 2" SEWER PER 8

75. CONNECT TO EXISTING WATER LINE. FIELD VERIFY EXACT DEPTH AND LOCATION PRIOR TO TRENCHING. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.

1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 | (916) 985-1870

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Derivi Castellanos Architects



UNION ELI DISTRICT

ALT JOINT SCHOOL

SHEET TITLE:

UTILITY PLAN

CONSTRUCTION DOCUMENTS

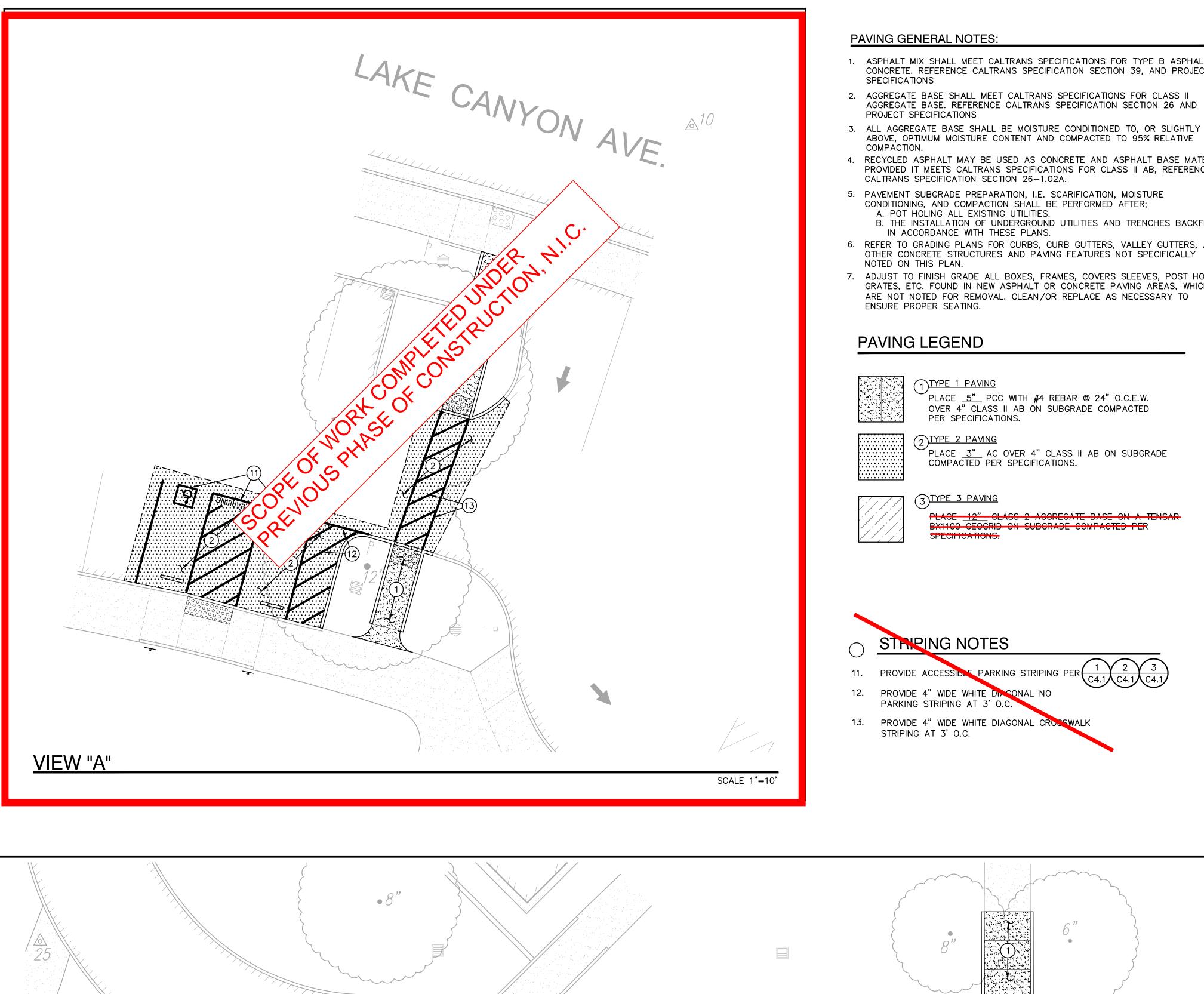
Revision Schedule Description

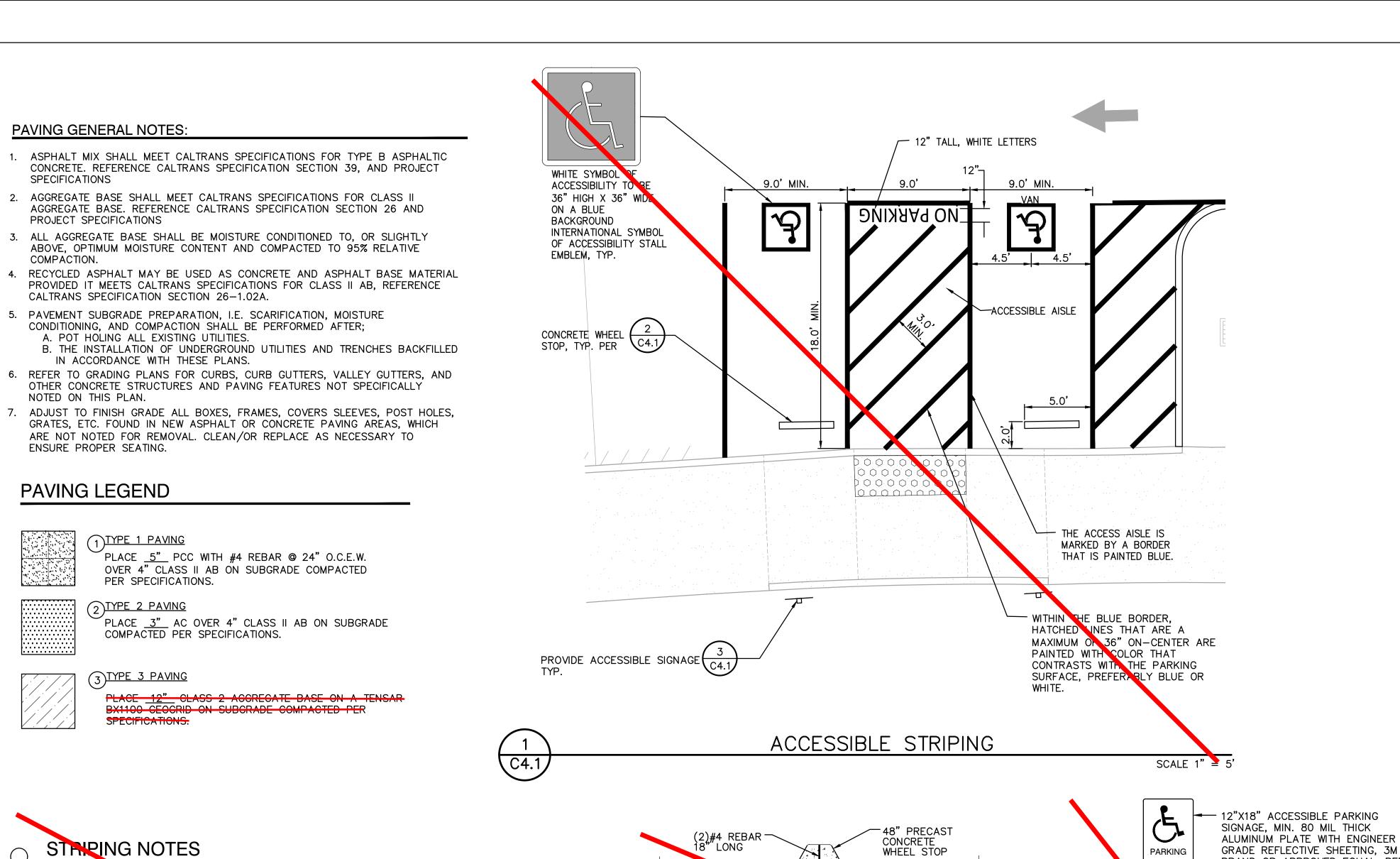
PROJECT # SHEET #

ISSUE DATE:

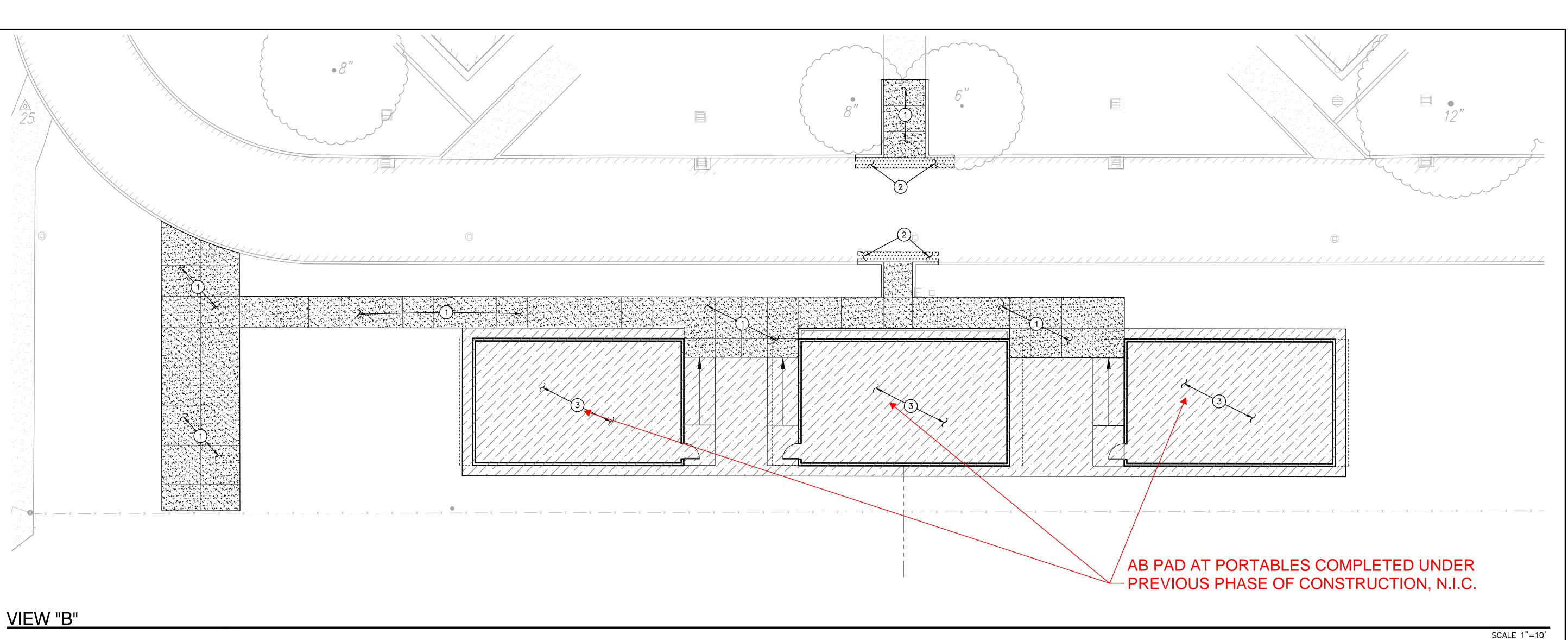
GRAPHIC SCALE

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CONCRETE WHEEL



A. POT HOLING ALL EXISTING UTILITIES.

1)TYPE 1 PAVING

STRIPING NOTES

PARKING STRIPING AT 3' O.C.

STRIPING AT 3' O.C.

PER SPECIFICATIONS.

PLACE <u>5"</u> PCC WITH #4 REBAR @ 24" O.C.E.W.
OVER 4" CLASS II AB ON SUBGRADE COMPACTED

PLACE <u>3"</u> AC OVER 4" CLASS II AB ON SUBGRADE COMPACTED PER SPECIFICATIONS.

IN ACCORDANCE WITH THESE PLANS.

GRADE REFLECTIVE SHEETING, 3M BRAND OR APPROVED EQUAL, REF. ONLY CA MUTCD, SIGN R99(CA) MINIMUM FOR VAN ACCESSIBLE STALLS
PROVIDE ADDITIONAL 8"X12" SIGN STATING "VAN ACCESSIBLE" ON 80
MIL THICK ALUMINUM PLATE WITH
ENGINEER GRADE REFLECTIVE
SHEETING, 3M OR APPROVED EQUAL. REF. CAL MUTCD, SIGN —— 2" NA. SCH 40 GALVANIZED STEEL POLE OR APPROVED EQUAL. — STEEL . CONC. FOOTING NOTE: ALL BRACKETS
AND HARDWARE USED
SHALL BE GALVANIZED
OR APPROVED LQUAL. PARKING SIGNAGE C4.1 ACCESSIBLE STALLS (CALIFORNIA ONLY) NO SCALE

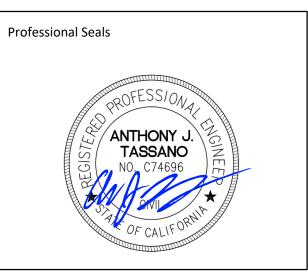
GRAPHIC SCALE

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UNION ELEN-DISTRICT 0

SHEET TITLE: PAVING AND STRIPING PLAN

CONSTRUCTION DOCUMENTS

Revision Schedule Description

PROJECT # SHEET # ISSUE DATE:

C4.1

EROSION CONTROL NOTES NOTE: EXACT LOCATION WILL BE COORDINATED BY CONTRACTOR.

CONTRACTOR SHALL PROVIDE STRAW WATTLE BARRIER AT ALL INLETS (NEW AND/OR EXIST.) IN AREAS OF ON—SITE WORK PER THE DETAIL PROVIDED. IN ADDITION TO WATTLE, PROVIDE FILTER BAG AT EACH INLET. STRAW WATTLES NOT REQUIRED AT INLETS IN PAVED AREAS, ONLY FILTER BAG.

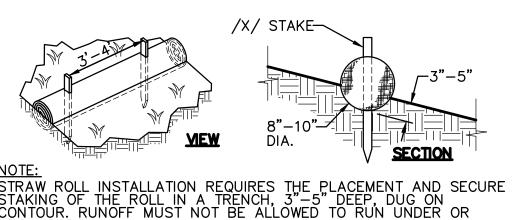
2. CONTRACTOR SHALL PROVIDE STRAW WATTLES AT PERIMETER OF SITE PER DETAIL

3. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION SITE ACCESS C5.1

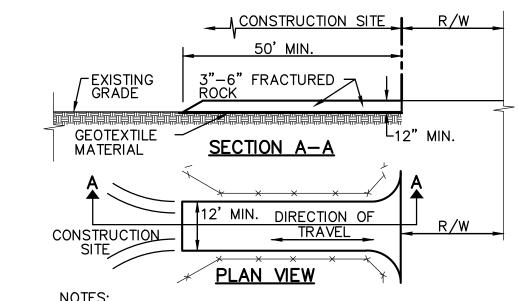
EROSION AND SEDIMENT CONTROL GENERAL NOTES

- 1. IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
- 2. CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
- 4. PRIOR TO PLACEMENT OF HYDRO SEEDING, REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
- 5. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
- 6. ALL MATERIALS STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
- 7. CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED. REFER TO SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.
- 8. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION FENCING THROUGHOUT THE PROJECT. THIS FENCING SHALL DETER PEDESTRIANS AND NON-CONSTRUCTION RELATED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE AREA TO THE GREATEST POSSIBLE EXTEND, THE CONTRACTOR SHALL COORDINATE THIS FENCING LAYOUT WITH SCHOOL DISTRICT PERSONNEL PRIOR TO ANY FENCING PLACEMENT SO AS TO NOT SIGNIFICANTLY INTERFERE WITH SCHOOL OPERATION.
- 9. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.
- 10. CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.

STRAW WATTLE 1 STRAW WATTLE INLET FILTER



STRAW ROLLS C5.1 NO SCALE

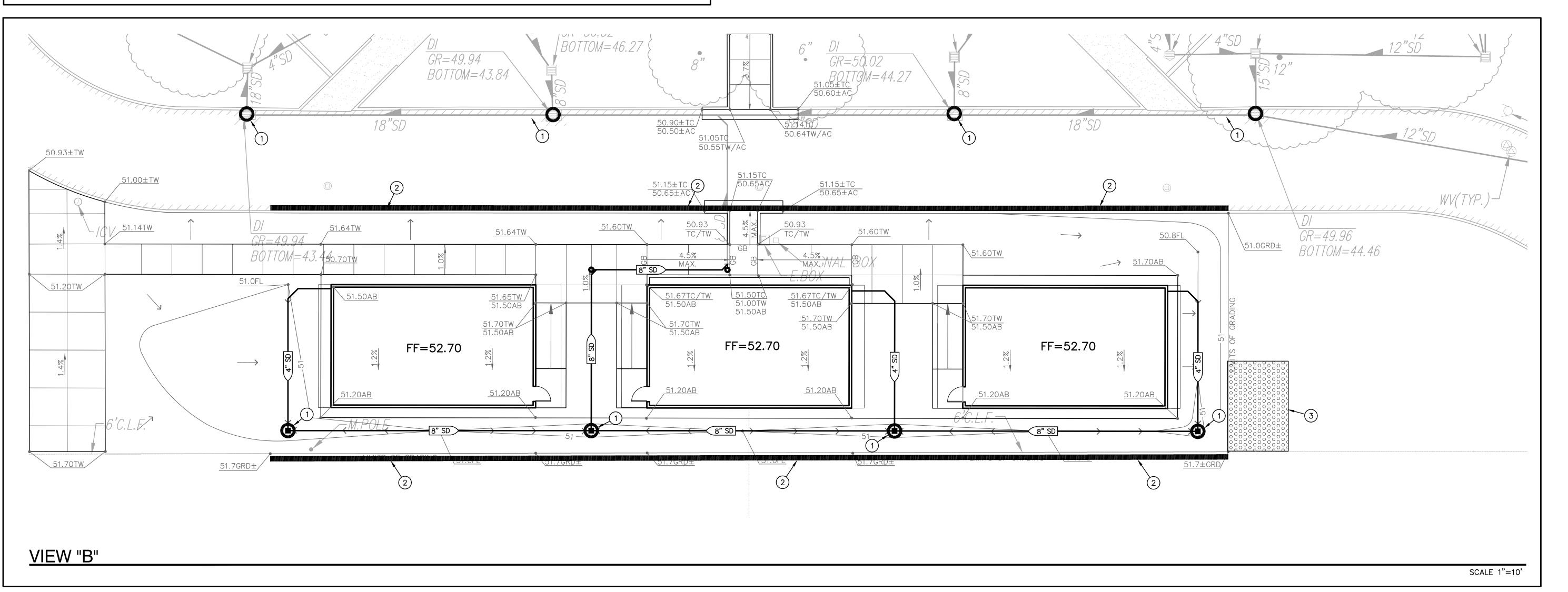


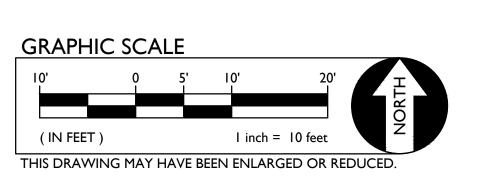
- STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3"-6" ANGULAR ROCK MATERIAL CONFORMING TO SECTION 26 OF STATE SPECIFICATIONS PLACED OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPECIAL CONFORM TO
- SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.

 2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.

 3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.



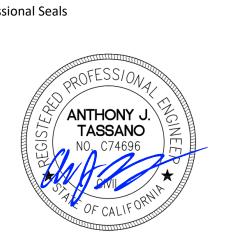








Professional Seals



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SHEET TITLE:

EROSION CONTROL PLAN

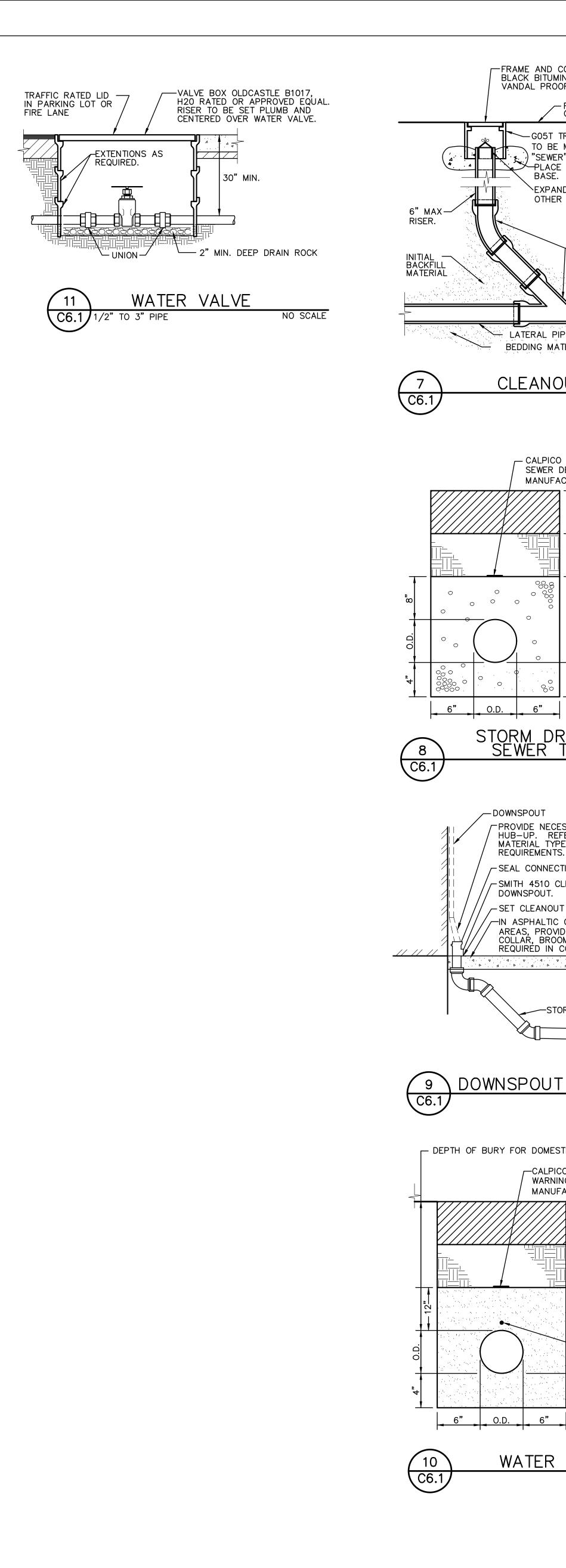
CONSTRUCTION DOCUMENTS

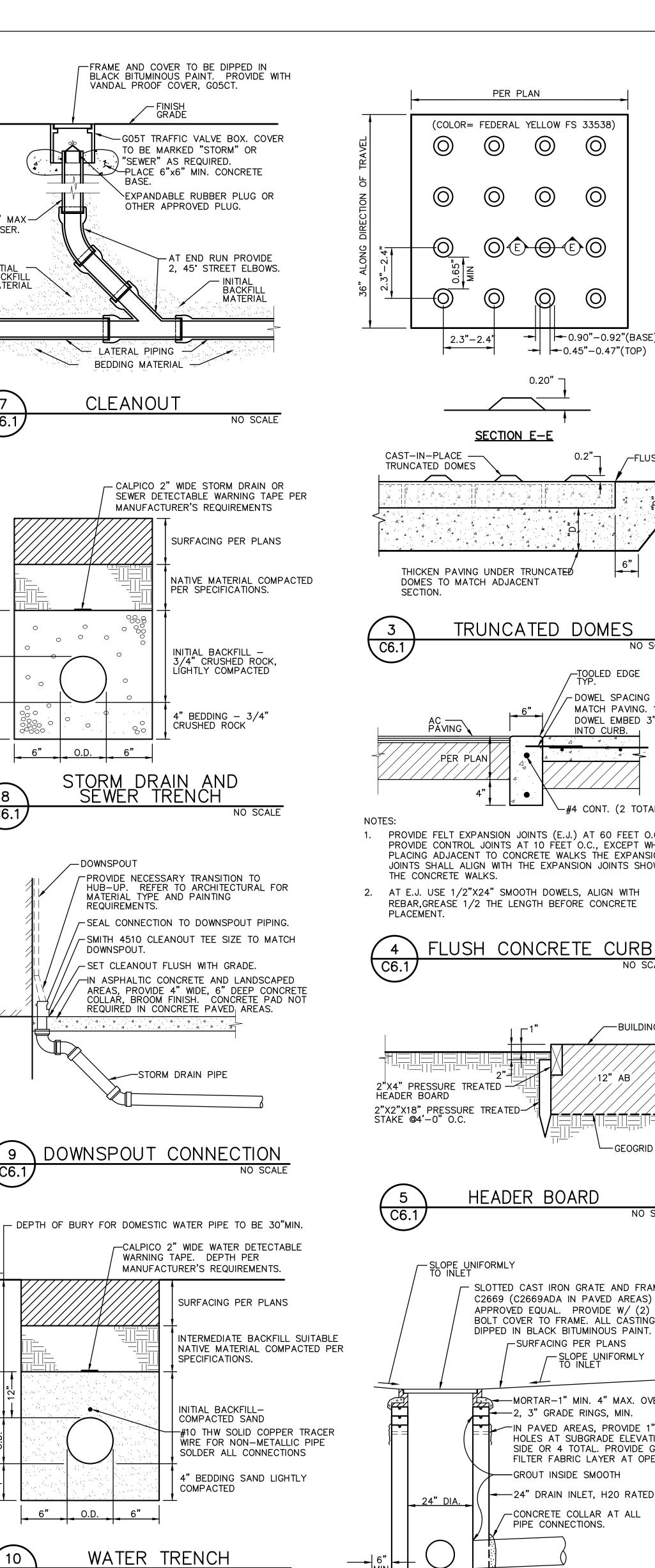
Revision Schedule Description

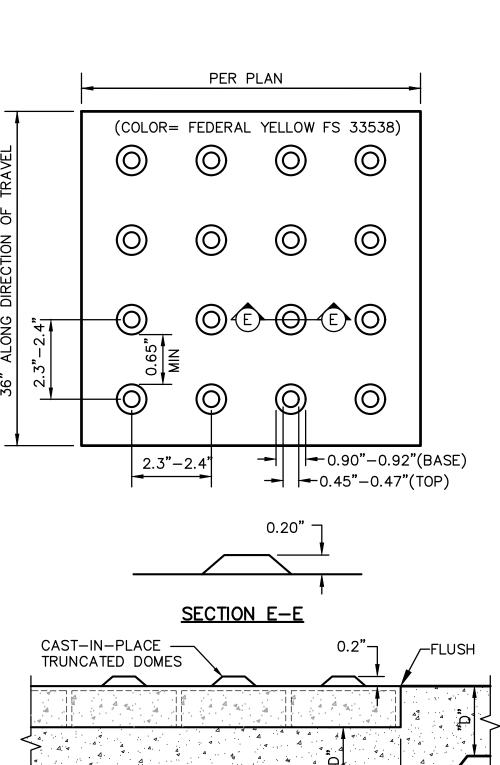
PROJECT # SHEET #

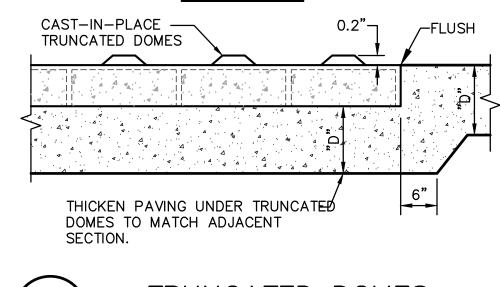
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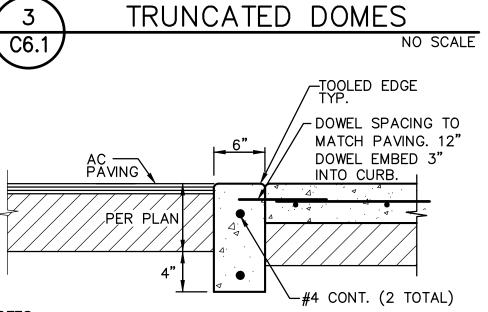
C5.1





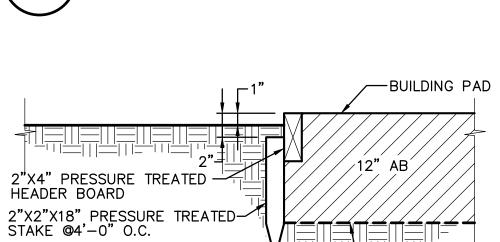


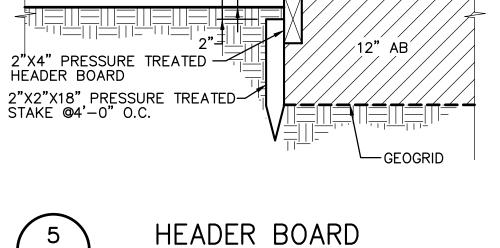




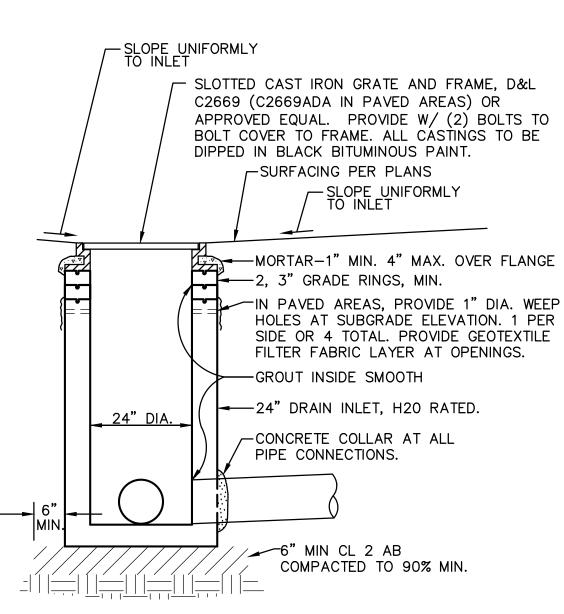
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.

AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE

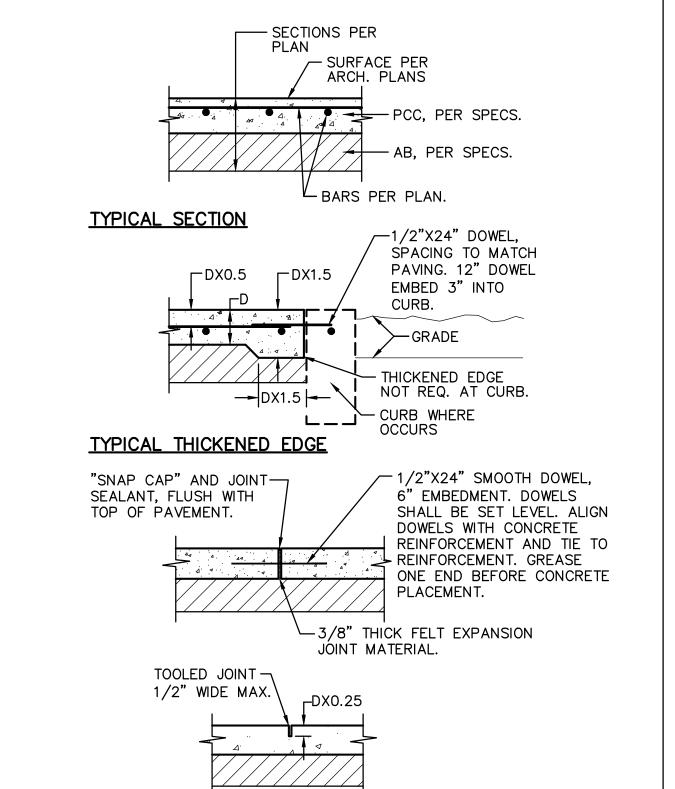




NO SCALE



DROP INLET

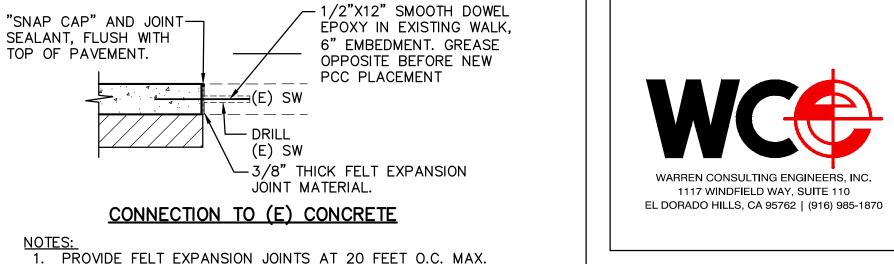


CONTROL JOINT

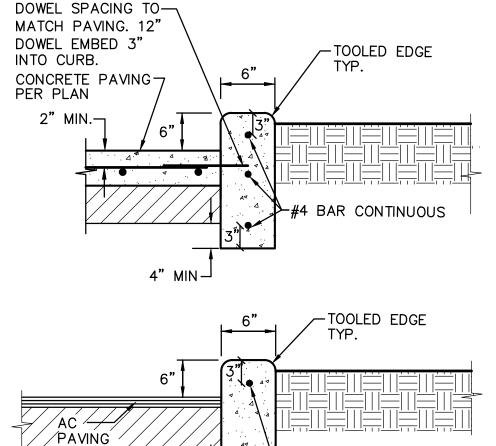
TYPICAL JOINTS

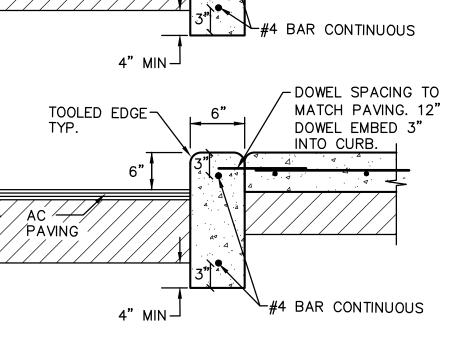
SEALANT, FLUSH WITH

TOP OF PAVEMENT.



PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED **Professional Seals** 1/2" IN SURFACE WIDTH. CONCRETE SIDEWALK / Anthony J. TASSANO -TOOLED EDGE





1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS. 2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.





Castellanos Architects

SHEET TITLE: **DETAILS AND** SECTIONS

CONSTRUCTION DOCUMENTS

Revision Schedule

PROJECT # SHEET # ISSUE DATE:

C6.1

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121488 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 6/29/2023

Castellanos
Architects

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3031 W March Ln, Ste 334

Silicon Valley 95 S Market St, Ste 480 San Jose, CA 95113

CONSULTING ENGINEERS
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Nons ES Portables

Lake Canyons ES Po

SYMBOLS AND DRAWINGS INDEX

Revision Schedule

NO. Description Date

PROJECT # SHEET # 22.037
ISSUE DATE:

06-06-2023

E0.01

 \mid 1. COPPER FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH THHN/THWN-2 INSULATION IN EMT CONDUIT. 2. ALUMINUM FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH XHHW-2 INSULATION IN EMT CONDUIT.

3. FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON AN AMBIENT TEMPERATURE OF 30 DEGREES C (86 DEGREES F). 4. FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR

IN EACH CONDUIT. 5. PER CEC ARTICLE 110.14, ALL FEEDERS SIZED AT #2 AWG OR LESS ARE CALCULATED PER 60 DEGREE TABLE. FEEDERS GREATER THAN #2 AWG ARE RATED 75 DEGREE.

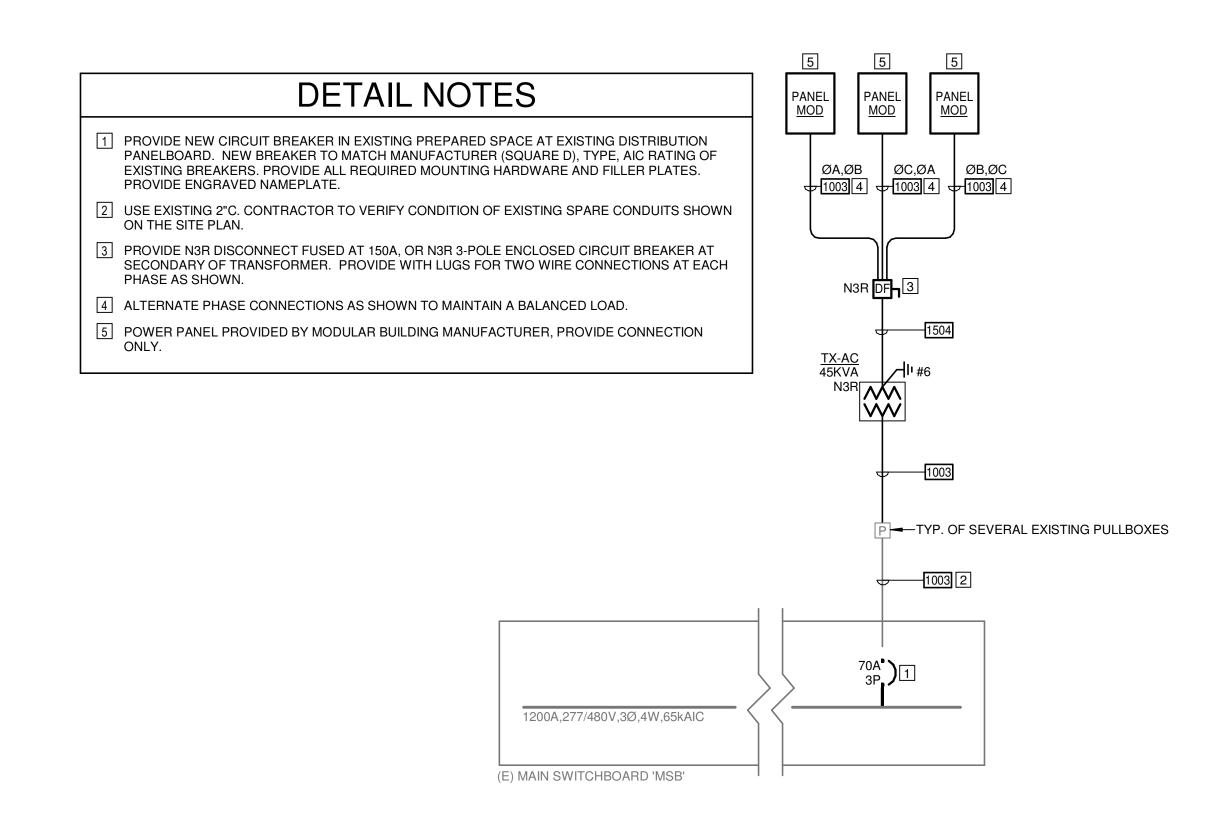
FEEDER SCHEDULE REMARKS A. OVERSIZED 150% NEUTRAL, SUITABLE FOR SERVICE FROM K-13 RATED TRANSFORMERS.

B. FEEDER APPROVED FOR USE WITH SEPARATELY DERIVED SYSTEM; GROUNDING AS REQUIRED BY CEC ARTICLES 240 AND 250. C. FEEDER GROUND AND BONDING JUMPER SHALL HAVE AN AREA NOT LESS THAN 12.5% OF THE AREA OF THE LARGEST PHASE CONDUCTOR.

D. INCREASE CONDUIT TO THE NEXT LARGER TRADE SIZE WHEN USING SCHEDULE 40 OR 80 PVC CONDUIT. E. PER CEC SECTION 240.4(B), FOR OVERCURRENT DEVICES RATED 800A OR LESS, THE NEXT HIGHER STANDARD OVERCURRENT DEVICE RATING (ABOVE THE

AMPACITY OF THE CONDUCTORS) CAN BE USED. RULE CAN NOT BE APPLIED IF 100% RATED BREAKERS ARE USED. F DED CEC 240 21/C). THE DROVICIONS OF 240 4/D) CHALL NOT BE DEDMITTED FOR TRANSFORMED SECONDARY CONDUCTORS

| FEEDER | FEEDER | | CONDUCT | SEPARATELY SYST | | | |
|--------|-----------------|---------|---------------|--------------------|------------------------|-------------------|---------|
| TAG | DESCRIPTION | CONDUIT | PHASE/NEUTRAL | GROUND | GROUNDING ELECTRODE | BONDING JUMPER | REMARKS |
| 1003 | 95 AMP, 3 WIRE | 1-1.25" | 3 #2 CU | 1 #8 CU | - | - | Е |
| 1254 | 130 AMP, 4 WIRE | 1-1.50" | 4 #1 CU | 1 #6 CU | - | - | - |
| 1504 | 150 AMP, 4 WIRE | 1-2.00" | 4 #1/0 CU | 1 #6 CU | - | - | - |





(E) INTRUSION

ALARM PANEL

(E) MDF

EXISTING CAMPUS INTRUSION ALARM SYSTEM IS BY ADEMCO. CONTRACTOR SHALL BE A FACTORY

AUTHORIZED TECHNICIAN, AND PROVIDE SHOP DRAWINGS FOR A COMPLETE AND FUNCTIONAL SYSTEM.

AND POWER SUPPLY,

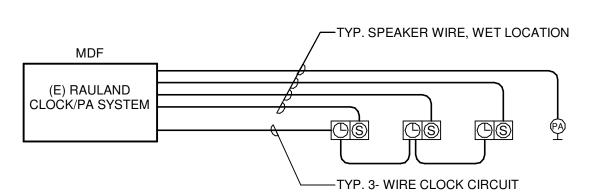
AS REQUIRED.

-4-CONDUCTOR

INTRUSION ALARM RISER DIAGRAM

4-CONDUCTOR OSP-

POWER ONE-LINE DIAGRAM



EXISTING CAMPUS CLOCK/PA SYSTEM IS BY RAULAND. CONTRACTOR SHALL BE A FACTORY AUTHORIZED TECHNICIAN, AND PROVIDE SHOP DRAWINGS FOR A COMPLETE AND FUNCTIONAL SYSTEM.

CLOCK/PUBLIC ADDRESS SYSTEM RISER DIAGRAM

DSA ANCHORAGE SCHEDULE

APPLICABLE CODE: 2022 CBC

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS. 2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT

PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE. 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE

STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE 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

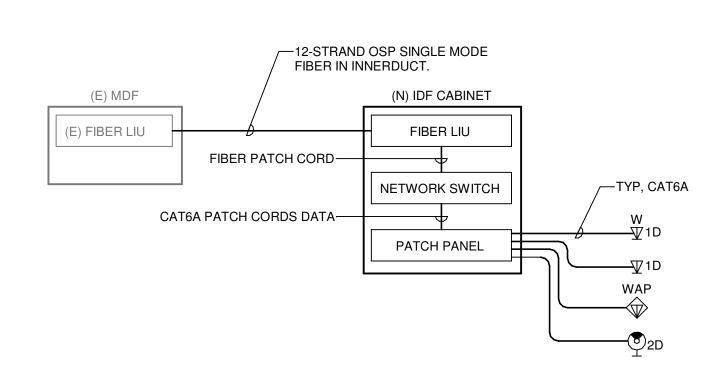
THE ANCHORAGE OF ALL MECHANICAL. ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

APPLICABLE CODE: 2022 CBC

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26. THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE

ELECTRICAL DISTRIBUTION SYSTEMS, OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PREAPPROVAL (OPM #) # 0043-01.



TELECOMMUNICATION CABLING DIAGRAM

TYP. 3- WIRE CLOCK CIRCUIT

PROJECT GENERAL NOTES

- ELECTRICAL SCOPE SHALL COMPLY WITH THE LATEST ADOPTED EDITIONS OF THE CALIFORNIA ELECTRIC CODE (CEC), CALIFORNIA BUILDING CODE (CBC), CALIFORNIA FIRE CODE (CFC), CALIFORNIA MECHANICAL CODE (CMC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 72) AND THE CALIFORNIA ENERGY CODE.
- THE CONTRACTOR SHALL VISIT THE JOBSITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING THE PROJECT AND SHALL INCLUDE IN THEIR BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS, SPECIFICATIONS. AND ALL APPLICABLE CODES.
- DRAWINGS INDICATE GENERAL ARRANGEMENT OF ELECTRICAL SYSTEMS AND WORK. FOLLOW THE DRAWINGS IN LAYING OUT WORK AND VERIFY EXACT LOCATIONS WITH ARCHITECTURAL FLOOR PLAN AND RCP DRAWINGS. ALSO, CHECK DRAWINGS OF OTHER TRADES TO VERIFY LOCATIONS OF EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AND COORDINATE SPACE CONDITIONS WITH THEIR INSTALLATION. FINAL LOCATIONS SHALL BE ADJUSTED TO MEET FIELD
- NOT EVERY ELECTRICAL RACEWAY, BOX, CONDUCTOR, ETC., FOR A COMPLETE ELECTRICAL INSTALLATION, IS SHOWN ON THESE DRAWINGS. THIS IS DONE FOR CLARITY PURPOSES AND EASE OF INTERPRETING DRAWINGS. PROVIDE ALL ADDITIONAL ITEMS REQUIRED TO MAKE THE ELECTRICAL SYSTEMS COMPLETE AND OPERATIONAL.
- WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THESE DRAWINGS AND SHALL ALSO COMPLY WITH THE ELECTRICAL SPECIFICATIONS. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT OF THE REQUIREMENTS SHALL TAKE PRECEDENT.
- ALL NEW ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UNDERWRITER'S LABORATORIES (UL) LISTED OR ELECTRICAL TESTING LABORATORIES (ETL) LISTED AND BEAR THEIR LABELS.
- ALL ELECTRICAL MATERIALS SHALL BE NEW AND UNUSED, AND OF THE SAME MANUFACTURER OF LIKE EQUIPMENT AND/OR SYSTEMS.
- CONTRACTOR SHALL REMOVE ALL LEFTOVER CONDUIT, WIRE, SCRAPS, ETC. AND LEAVE PREMISES CLEAN AND FREE OF TRASH AND DEBRIS RESULTING FROM THEIR WORK.
- PRIOR TO COMMENCING ANY TRENCHING SCOPE ON-SITE, CONTACT THE UTILITIES UNDERGROUND SERVICE ALERT TO DETERMINE THE EXACT LOATIONS OF ANY EXISTING UNDERGROUND UTILITY LINES. WHICH MIGHT GET DAMAGED DURING EXCAVATION. WHERE INTERFERENCE IS POSSIBLE, TRENCHING SHALL BE DONE MANUALLY.
- D. MINIMUM CONDUIT TRADE SIZE FOR EXTERIOR APPLICATIONS SHALL BE 1.0", UNLESS OTHERWISE
- ALL UNDERGROUND FEEDER CONDUITS SHALL HAVE A MINIMUM COVER OF 24". WHERE FEEDER CONDUITS ARE INSTALLED UNDER ROADS OR PAVED SURFACE WITH VEHICLE TRAFFIC, THE MINIMUM COVER SHALL INCREASE TO 36". INCLUDE A MINIMUM 12" HORIZONTAL SEPARATION BETWEEN LOW-VOLTAGE AND LINE-VOLTAGE CONDUITS INSTALLED IN SAME TRENCH. INSTALL A WARNING/MARKER TAPE 12" OVER THE CONDUITS.
- 2. ALL UNDERGROUND CONDUITS ORIGINATING FROM BUILDING EXTERIOR AND TERMINATING IN ELECTRICAL EQUIPMENT WITHIN THE BUILDING INTERIOR SHALL BE SEALED AT BOTH ENDS AFTER CONDUCTORS ARE INSTALLED, TO PREVENT MOISTURE FROM COMING IN CONTACT WITH
- B. SITE PULLBOXES FOR BRANCH CIRCUITING SHALL BE SIZED TO CODE MINIMUM REQUIREMENTS. OBTAIN APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY PULLBOXES NEEDED TO FACILITATE SITE CONDUIT REQUIREMENTS.
- 4. ALL GROUNDING ELECTRODES WITHIN BUILDING OR STRUCTURE SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING ELECTRODE SYSTEM.
- 5. ALL SEPARATELY DERIVED SYSTEMS SHALL COMPLY WITH CODE, CEC 250.104, FOR BONDING TO METAL WATER PIPING AND STRUCTURAL METAL.
- 16. FURNISH, INSTALL, AND CONNECT A CODE SIZED INSULATED OR BARE COPPER GROUND CONDUCTOR IN ALL BRANCH CIRCUITS AND FEEDER CONDUITS.
- WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE TO ACCOMMODATE VOLTAGE DROP, THE EQUIPMENT GROUND CONDUCTOR SHALL ALSO BE INCREASED IN SIZE PROPORTIONATELY, ACCORDING TO THE CIRCULAR MIL AREA OF UNGROUNDED CONDUCTORS.
- 18. ALL EQUIPMENT CONNECTED BY PERMANENT WIRING METHODS SHALL BE GROUNDED.
- 19. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED TO PREVENT VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST OUTLET OR DEVICE. THE MAXIMUM VOLTAGE DROP ALLOWED ON COMBINED FEEDERS AND BRANCH CIRCUITS SHALL NOT EXCEED 5% TO THE FARTHEST OUTLET OR DEVICE.
- 20. ALL CONDUCTORS ON THIS PROJECT SHALL BE STRANDED COPPER.
- MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT
- ORIDINATES, I.E. HANDLE TIES OR MULTIPOLE CIRCUIT BREAKERS. 22. CONDUIT ROUTING ON DRAWINGS IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL
- INSTALLATION WITH WORK OF OTHER TRADES. 23. PROVIDE INSULATING BUSHINGS OR INSULATED THROAT CONNECTORS AT BOTH ENDS OF ALL
- 24. ALL JUNCTION AND PULL BOXES SHALL BE SIZED PER CODE TO ACCOMMODATE NUMBER OF CONDUITS AND/OR CONDUCTORS ROUTED TO AND FROM BOXES.

LAYOUT RUNS TO SUIT FIELD CONDITIONS, LIMITING BENDS AND BOXES, AND SHALL COORDINATE

- 25. PROVIDE A PULL WIRE/TAPE IN ALL EMPTY CONDUIT RUNS OVER 15' IN LENGTH.
- 26. NO PIPING, DUCTWORK, OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE ALLOWED WITHIN THE DEDICATED SPACE ABOVE ELECTRICAL EQUIPMENT.
- . PROVIDE ENGRAVED NAMEPLATES FOR ALL ELECTRICAL PANELBOARDS, SWITCHBOARDS, SWITCHGEAR, TRANSFORMERS, AND DISCONNECT SWITCHES, AS DESCRIBED IN THE
- 8. CONTRACTOR SHALL ENSURE THAT THE ELECTRICAL EQUIPMENT PROVIDED UNDER THEIR CONTRACTOR WILL FIT WITHIN THE SPACES PROVIDED IN THE BID DOCUMENTS, WHETHER PROVIDED BY THE SPECIFIED EQUIPMENT MANUFACTURER OR NOT. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED IF CONTRACTOR NEEDS TO ADJUST EQUIPMENT PACKAGE TO OBTAIN REDUCED DIMENISONS.
- 29. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING REVISED LAYOUTS OF DISTRIBUTION EQUIPMENT IN SPACES, FOR APPROVAL BY ENGINEER, IF PROPOSED INSTALLATION DIFFERS FROM CONSTRUCTION DOCUMENTS. SUBMISSION MUST BE REVIEWED PRIOR TO RELEASE OF EQUIPMENT AND PRIOR TO INSTALLATION.
- 30. ALL FLOOR AND/OR FREE-STANDING ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A 4" HIGH CONCRETE HOUSEKEEPING PAD, U.O.N.
- 31. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF (NEMA 3R RATED, MINIMUM) AND LISTED FOR EXTERIOR APPLICATIONS.
- 32. ALL CIRCUIT BREAKERS SERVING THE FIRE ALARM CONTROL PANEL AND FIRE ALARM SYSTEM COMPONENTS SHALL HAVE LOCKABLE HANDLES AND SHALL BE RED IN COLOR, FOR EASE IN
- 33. MOUNTING HEIGHTS OF ALL WIRING DEVICES ARE DIMENSIONED TO THE CENTER OF THE DEVICE, UNLESS OTHERWISE NOTED.
- 34. PROVIDE GFCI TYPE RECEPTACLES WITH WEATHERPROOF "WHILE-IN-USE" COVERPLATES WITHIN 25' OF ALL EXTERIOR HVAC AND PLUMBING EQUIPMENT.
- 35. WHERE RECEPTACLES ARE LOCATED OUTSIDE OR IN WET/DAMP LOCATIONS, PROVIDE WEATHERPROOF WHILE-IN-USE COVERPLATES.
- 36. ALL WIRING DEVICES AND JUNCTION BOX COVERS SHALL HAVE TYPE-ON-TAPE LABELS
- INDICATING THE PANELBOARD AND CIRCUIT NUMBER(S) SERVING EACH DEVICE.
- 37. CONTRACTOR SHALL SIZE ALL JUNCTION AND PULL BOXES PER THE MINIMUM CODE REQUIREMENTS OF CEC ARTICLE 314, UNLESS OTHERWISE NOTED ON DRAWINGS.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

Castelland Architects



Professional Seals



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SHEET TITLE:

POWER ONE-LINE SCHEDULES

Revision Schedule

PROJECT # SHEET # ISSUE DATE: 06-06-2023

GENERAL SHEET NOTES

- A. CALL U.S.A. PRIOR TO UNDERGROUND WORK, 1-800-277-2600.
- B. CONDUIT ROUTING, AND PULLBOX/HANHALE LOCATIONS ARE DIAGRAMMATIC AND NOT DIMENSIONED. LOCATE NEW HANDHOLES IN CLOSES LANDSCAPED AREA WHEREVER POSSIBLE, COORDINATE WITH LANDSCAPE ARCHITECT. PROVIDE WITH STEEL TRAFFIC RATED LID IN ANY AREA SUBJECT TO VEHICULAR TRAFFIC.
- PROVIDE A 6" WIDE UNDERGROUND WARNING TAPE AVOBE ALL NEW UNDERGROUND CONDUIT/CABLES. INSTALL AT 12" AVOBE THE CONDUITS/CABLES. PROVIDE RED TAPE FOR POWER APPLICATIONS. PROVIDE ORANGE TAPE FOR LOW VOLTAGE APPLICATIONS. PROVIDE BOTH RED AND ORANGE TAPES FOR JOINT TRENCH APPLICATIONS.

NUMBERED SHEET NOTES

- 1 REFER TO POWER ONE-LINE DIAGRAM FOR NEW WORK AT MAIN SWITCHBOARD MS. 2 ROUTE NEW FEEDER IN EXISTING 2" SPARE CONDUIT, REFER TO POWER ONE-LINE DIAGRAM FOR FEEDER REQUIREMENTS.
- 3 EXTEND NEW FEEDER TO TRANSFORMER TX-1, REFER TO E2.01 FOR CONTINUATION. TO EXISTING MDF/MPOE ROOM WITH LOW VOLTAGE HEAD-END EQUIPMENT, INCLUDING MDF RACKS, FIRE ALARM CONTROL PANEL, INTRUSION ALARM EQUIPMENT, AND CLOCK/PA
- 5 ROUTE NEW LOW VOLTAGE CABLING IN EXISTING SIGNAL SYSTEM CONDUIT PATHWAY, REFER TO LOW VOLTAGE RISER DIAGRAMS FOR CABLING REQUIREMENTS. 6 EXTEND 3-2"C. SIGNAL SYSTEM CONDUIT PATHWAY TO PORTABLE BUILDINGS, REFER TO E2.01 FOR CONTINUATION, REFER TO LOW VOLTAGE RISER DIAGRAMS FOR CABLING REQUIREMENTS.
- 7 RE-SET EXISTING N52 PULLBOX AND EXTENSION FLUSH WITH NEW GRADE, PROVIDE NEW CONCRETE LID LABELED 'SIGNAL' AND 'ELECTRICAL' RESPECTIVELY.
- 8 EXISTING FIRE ALARM CONTROL PANEL AT MDF, ADD AUDIO SOURCE UNIT FOR EMERGENCY VOICE FUNCTION. REFER TO FIRE ALARM SCHEDULE AND RISER DIAGRAM.
- 9 REPLACE EXISTING REMOTE ANNUNCIATOR WITH NEW COMBINATION ANNUNCIATOR/MICROPHONE, REFER TO FIRE ALARM SCHEDULE AND RISER DIAGRAM.
- HIGH-OUTPUT LED FLOODLIGHT, RAB SMSBULLET-2X12-3000K-A OR EQUAL, REFER TO ARCH PLANS FOR EGRESS PATH AND SAFE DISPERSAL AREA, AND AIM LUMINAIRE AS REQ'D. CONNECT TO PORTABLE BUILDING SWITCHED EXTERIOR LIGHTING CIRCUIT.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

Professional Seals



SHEET TITLE: ELECTRICAL SITE PLAN

Revision Schedule Description

PROJECT # SHEET #

ISSUE DATE: 06-06-2023

1 ELECTRICAL PLAN

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

GENERAL SHEET NOTES

- A. CALL U.S.A. PRIOR TO UNDERGROUND WORK, 1-800-227-2600.
- B. CONDUIT ROUTING, AND PULLBOX/HANDHOLE LOCATIONS ARE DIAGRAMMATIC AND NOT DIMENSIONED. LOCATE NEW HANDHOLES IN CLOSES LANDSCAPED AREA WHEREVER POSSIBLE, COORDINATE WITH LANDSCAPE ARCHITECT. PROVIDE WITH STEEL TRAFFIC RATED LID IN ANY AREA SUBJECT TO VEHICULAR TRAFFIC.
- C. HANDHOLES/PULLBOXES FOR POWER DISTRIBUTION SHALL BE SIZED PER CEC REQUIREMENTS, OR N40 MIN. LID SHALL BE ENGRAVED 'POWER', UON.
- D. HANDHOLES/PULLBOXES FOR SIGNAL SYSTEM DUCT BANKS SHALL BE N48 MIN, UON. LID SHALL BE ENGRAVED 'SIGNAL'.
- E. PROVIDE A 6" WIDE UNDERGROUND WARNING TAPE ABOVE ALL NEW UNDERGROUND CONDUITS/CABLES. INSTALL AT 12" ABOVE THE CONDUITS/CABLES. PROVIDE RED TAPE FOR POWER APPLICATIONS. PROVIDE ORANGE TAPE FOR LOW VOLTAGE APPLICATIONS. PROVIDE BOTH RED AND ORANGE TAPES FOR JOINT TRENCH APPLICATIONS.
- F. WIRELESS ACCESS POINT EQUIPMENT SHALL BE OWNER FURNISHED, OWNER INSTALLED. PROVIDE TWO NETWORK DROPS AT EACH LOCATION SHOWN, CONFIRM EXACT LOCATION WITH DISTRICT IT REPRESENTATIVE PRIOR TO ROUGH-IN.
- G. PROVIDE NEW COMPONENTS AT THE HEAD END OF CLOCK/PA SYSTEM LOCATED IN THE CAMPUS MDF IN THE ADMINISTRATION BUILDING AS REQUIRED TO EXPAND THE EXISTING SYSTEM. REFER TO SHEET E0.2 FOR RISER DIAGRAM. PROVIDE NEW CLOCK/SPEAKERS COMPATIBLE WITH THE EXISTING SYSTEM. PROVIDE COMPLETE SHOP DRAWINGS FOR THIS SYSTEM TO INCLUDE ALL COMPONENTS AND WIRING REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- H. PROVIDE NEW INTRUSION ALARM COMPONENTS COMPATIBLE WITH THE EXISTING CAMPUS 'ADEMCO' SYSTEM. CONTRACTOR SHALL PROVIDE COMPLETE SHOP DRAWINGS FOR INSTALLATION OF A COMPLETE AND FUNCTIONAL SYSTEM.

NUMBERED SHEET NOTES

1 POWER FEEDERS, REFER TO POWER ONE-LINE DIAGRAM ON SHEET E0.2.

INTO ACCESSIBLE CEILING SPACE AS INDICATED.

- 2 NEMA 3R RATED TRANSFORMER. REFER TO POWER ONE-LINE DIAGRAM ON SHEET E0.2 FOR ADDITIONAL INFORMATION. INSTALL PER 2/E4.0.
- 3 PROVIDE N3R DISCONNECT FUSED AT 150A, OR N3R 3-POLE ENCLOSED CIRCUIT BREAKER AT SECONDARY OF TRANSFORMER.
- 4 GROUND ROD IN GROUND WELL, INSTALL PER 1/E4.0 AND BOND TO MODULAR BUILDING PER
- 5 POWER PANEL PROVIDED BY MODULAR BUILDING MANUFACTURER, PROVIDE CONNECTION PER
- 6 PROVIDE ADDITIONAL 1-2"C. FOR ROUTING INDOOR/OUTDOOR CAT6A CABLING BETWEEN IDF AND ADJACENT BUILDINGS.
- 7 LOW VOLTAGE SYSTEMS DUCT BANK, PROVIDE (3) 2.0"C (FIBER, CLOCK/PA & INTRUSION, FIRE
- ALARM). REFER TO RISER DIAGRAMS ON SHEET E0.2 FOR CABLING REQUIREMENTS.

 8 ROUTE LOW VOLTAGE CONDUITS TO N3R JUNCTION BOX INSTALLED PER 5/E4.0 AND STUB 4-2"C.
- 9 WALL MOUNTED IDF CABINET, REFER TO 3/E4.0 FOR INSTALLATION. HOME RUN ALL NEW DATA CABLING TO IDF. PROVIDE NEW DEDICATED 120V CIRCUIT AND QUAD RECEPTACLE AS SHOWN.
- WALL MOUNTED CLOCK/SPEAKER IN SURFACE BACKBOX COMPATIBLE WITH THE EXISTING CAMPUS SYSTEMS, INFRASTRUCTURE PROVIDED BY MODULAR BUILDING MANUFACTURER.
- PROVIDE EXTRON WPD 100 AV SERIES HDMI WALLPLATE DEVICE IN EXTRA-DEEP 4" SQ BOX WITH SINGLE GANG DEVICE RING, OR GANG WITH TELECOM DEVICE. PROVIDE 50' FSD DIGITAL RIBBON HDMI CABLE TO AV BOX IN CEILING.
- PROVIDE PROJECTOR PLATE, CHIEF CMA-440 OR EQUAL, WITH 4 CEILING SUPPORT WIRES TO STRUCTURE ABOVE, FOR OWNER FURNISHED PROJECTOR PLATE. LOCATE DEVICES IN PROJECTOR PLATE. DATA DROPS ARE FOR PROJECTOR AND FOR OWNER FURNISHED, CONTRACTOR INSTALLED WAP INSTALLED BEHIND THE PROJECTOR. AV PLATE SHALL HAVE TWO HDMI TERMINALS.
- 13 IP BASED SECURITY CAMERAS ARE OWNER FURNISHED, OWNER INSTALLED. PROVIDE 2 TERMINATED DATA DROPS ABOVE CEILING IN CORNER NEAR CAMERA. CONTRACTOR TO PROVIDE WEATHERPROOF CONDUIT PENETRATION AND FLEX TO CAMERA LOCATION, COORDINATE WITH THE OWNER'S VENDOR.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-121488 INC:

REVIEWED FOR

SS FLS ACS ACS DATE: 6/29/2023

Architects

Architects

Architests

Tral Valley

ckton, CA 95219





Professional Seals



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SHEET TITLE:

ELECTRICAL PLAN

Revision Schedule

O. Description Dat

PROJECT # SHEET # 22.037

ISSUE DATE: **E**2

06-06-2023

E2.01

MOUNT DOOR HOLDER SMOKE DETECTOR MAXIMUM 3' FROM DOOR AND A MINIMUM OF 1' FROM DOOR.

2 NFPA 72 17.7.3.2.3.1 ON SMOOTH CEILINGS, SPACING FOR SMOKE DETECTORS SHALL BE IN

1. THE DISTANCE BETWEEN SMOKE DETECTORS SHALL NOT EXCEED SPACING OF 30'. 2. ALL POINTS ON THE CEILING SHALL HAVE A DETECTOR WITHIN A DISTANCE EQUAL TO

3 NFPA 72 17.7.4.1 MOUNT SMOKE DETECTOR MINIMUM OF 3' AWAY FROM DIFFUSER VENT.

4 MOUNT SMOKE DETECTOR FOR FIRE SMOKE DAMPER (FSD) WITHIN 3' OF SUPPLY VENT.

5 DUCT SMOKE DETECTOR SHALL BE MOUNTED 6 TO 10 TIMES THE DIAMETER OF DUCT FROM BEND

6 NFPA 72 17.4.7 WHERE FIRE DETECTORS ARE INSTALLED IN CONCEALED LOCATIONS MORE THAN 10' AFF OR IN ARRANGMENTS WHERE THE DETECTOR'S ALARM OR SUPERVISORY INDICATOR IS NOT

OR SUPERVISORY INDICATION ACCEPTABLE WITH AUTHORITY HAVING JURISDICTION (AHJ).

VISIBLE TO RESPONDING PERSONNEL. DETECTORS SHALL BE PROVIDED WITH A REMOTE INDICATOR

7 NFPA 72 17.7.3.2.4.2 BEAM POCKET SPOT DETECTOR ARE REQUIRED FOR BEAMS GREATER THAN 18"

BELOW CEILING AND SPACED MORE THAN 8' ON CENTER. EACH BAY FORMED BY BEAM SHALL BE

TREATED AS A SEPARATE AREA. BEAMS LESS THAN 12" IN DEPTH AND SPACED LESS THAN 8' ON

8 NFPA 72 17.6.3.3.1.1 BEAMS PROJECTING LESS THAN 4" SHALL BE TREATED AS A SMOOTH CEILING.

10 NFPA 72 17.14.5 THE OPERABLE PART OF A MANUALLY ACTUATED ALARM-INITIATING DEVICE SHALL NOT BE LESS THAN 42" AFF AND NOT MORE THAN 48" AFF. NFPA 72 17.14.8.4 MANUAL FIRE ALARM

AND 4" MINIMUM TO 12" MAXIMUM FROM CEILING MOUNTED ON WALL.

IS NOT LESS THAN 80" AFF AND NOT GREATER THAN 96" AFF.

17 RATE OF RISE HEAT DETECTOR, MOUNTED IN ABOVE CEILING / ATTIC SPACE.

19 ABOVE CEILING CIRCUITS ROUTING IN AN ACCESSIBLE ATTIC SPACE.

THE FACING STUD OR SOLID JOIST IS LESS THAN 6".

THE TOP OF THE CONTROL PANEL OR KEY BOARDS.

18 APPROVED WIRE MANAGEMENT, ie J-HOOK OR D-RING.

15 CEILING MOUNTED HORN / SPEAKER STROBE

AREAS WHERE FOSSIL FUEL IS USED.

AT CENTRAL AIR HANDLING UNIT.

16 MONITOR MODULE

SHOWN ON PLANS.

BOXES SHALL BE LOCATED WITHIN 5' OF EACH EXIT DOORWAY ON EACH FLOOR.

WALL MOUNTED VISIBLE APPLIANCES SHALL BE MOUNTED WITHIN 6" OF THE CEILING.

20 NON-ACCESSIBLE CEILINGS MUST USE EITHER EMT OR APPROVED WIREMOLD RACEWAY, AS

21 MULTI-CRITERIA PHOTOELECTRIC SMOKE / CO DETECTOR WITH SOUNDER BASE. MOUNT IN

22 NFPA 72 17.5.3.1.1 IN ACCESSIBLE SPACES THAT DO NOT MEET THIS CRITERIA MUST BE MADE

SMOKE / HEAT DETECTION COVERAGE IS REQUIRED IN ALL COMBUSTIBLE AREAS, UNLESS:

C. THE SMALL CONCEALED SPACE OVER ROOMS THAT DO NOT EXCEED 50 SQ. FT. IN AREA. D. SPACES FORMED BY FACING STUDS OR SOLID JOISTS IN WALLS, FLOORS, OR CEILINGS WHERE

23 NFPA 72 17.5.3.1.4 DETECTION FOR CONCEALED ACCESSIBLE SPACES ABOVE SUSPENDED CEILING

INSTALLED AT THE FIRE ALARM CONTROL PANEL OR AT ANOTHER LOCATION APPROVED BY AHJ.

24 NFPA 72 7.7.2 WITH EVERY NEW FIRE ALARM SYSTEM A DOCUMENTATION CABINET SHALL BE

25 NFPA 90A 6.4.2.1 SMOKE DETECTORS LISTED FOR USE IN AIR DISTRIBUTION SYSTEMS SHALL BE LOCATED AS FOLLOWS: DOWNSTREAM OF THE AIR FILTERS AND AHEAD OF ANY BRANCH

CONNECTIONS IN AIR SUPPLY SYSTEMS HAVING A CAPACITY GREATER THAN 2000 CFM.

THE CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS".

26 SMOKE DETECTORS SHALL NOT BE CLOSER THAN 1' FROM SPRINKLERS.

FOR ACCESS TO FIRE ALARM DETECTION DEVICE FOR TESTING AND MAINTENANCE.

B. CONCEALED SPACE IS ENTIRELY FILLED WITH NON-COMBUSTIBLE INSULATION.

ACCESSIBLE AND DETECTION MUST BE INSTALLED. PROVIDE ACCESS HATCH IN CONFINED SPACES

A. CEILING IS ATTACHED DIRECTLY TO THE UNDERSIDE OF THE SUPPORTING BEAM OR ROOF DECK.

USED AS A RETURN PLENUM SHALL BE PROVIDED AT EACH CONNECTION FROM RETURN AIR PLENUM

9 NFPA 72 17.6.3.1.3.1 SMOKE DETECTORS SHALL BE MOUNTED ON THE CEILING MINIMUM 4" FROM WALL,

11 NFPA 72 18.4.8.1 MOUNT EXTERIOR HORN AT 90" MINIMUM AND 100" MAXIMUM TO THE TOP OF THE DEVICE.

12 NFPA 72 18.5.5.2 WHERE LOW CEILING HEIGHTS DO NOT PERMIT WALL MOUNTING AT A MINIMUM OF 80",

14 CBC 1117B.0 (3) MOUNT FIRE ALARM CONTROL PANELS AND ANNUNCIATORS AT A MAXIMUM OF 48" TO

CENTER SHALL HAVE DETECTORS INSTALLED ON THE BOTTOM OF THE BEAM. OR, CEILINGS WITH BEAM DEPTHS LESS THAN 10 PERCENT OF THE CEILING HEIGHT, SMOOTH CEILING SPACING IS PERMITTED AND

ACCORDANCE WITH ONE OF THE FOLLOWING REQUIREMENTS:

OR LESS THAN 21'.

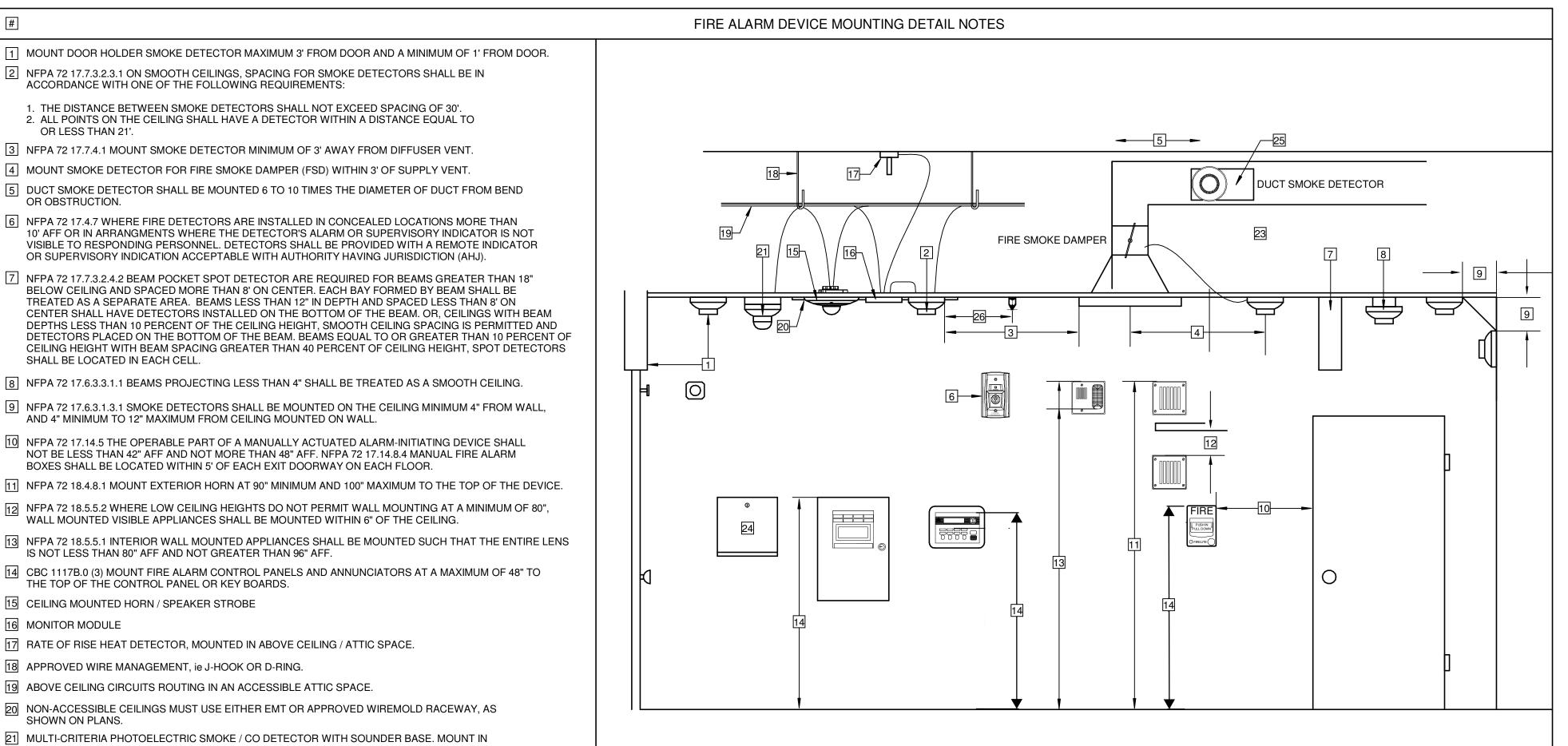
OR OBSTRUCTION.

SHALL BE LOCATED IN EACH CELL.

| | FIRE ALARM SYS | TEM CABLE SO | CHEDUL | E | |
|-----------|--------------------------------------|--------------|--------|------------|--------------|
| CABLE TAG | CIRCUIT DESCRIPTION | CABLE TYPE | GAUGE | CONDUCTORS | COLOR |
| Α | SIGNAL LINE CIRCUIT (SLC) | FPL | #18 | 2 | RED JACKET |
| В | NOTIFICATION APPLIANCE CIRCUIT (NAC) | FPL | #12 | 2 | RED JACKET |
| E | BOOSTER TRIGGER | FPL | #14 | 4 | RED JACKET |
| F | UNDERGROUND SLC | WATER TIGHT | #14 | 2 | BLACK JACKET |
| G | UNDERGROUND NAC | WATER TIGHT | #12 | 2 | BLACK JACKET |
| S | SPEAKER CIRCUIT | FPL | #14 | 2 | BLACK JACKET |
| С | UNDERGROUND SPEAKER CIRCUIT | FPL | #14 | 2 | BLACK JACKET |

| | | FIRE ALARM SYSTEM (| COMPONENT SCH | EDULE | |
|---|----------------------|---|--------------------|--------------------|----------------------------------|
| | SYMBOL | EQUIPMENT DESCRIPTION | MODEL NO. | MANUFACTURER | CSFM LISTING |
| | FACP | (E) FIRE ALARM CONTROL PANEL (N) AUDIO SOURCE UNIT | EST 3 ASU | EDWARDS EDWARDS | 7165-1657:0186 7165-1657:0186 |
| | LOC | (N) LOCAL OPERATING CONSOLE | 3-REMICA | EDWARDS | 7272-1657:0193 |
| | AMP | SPEAKER AMPLIFIER PANEL | SIGA-AA30 | EDWARDS | 7300-1657:0121 |
| | BPS | NOTIFICATION BOOSTER PANEL | BPS6A | EDWARDS | 7300-1657:0229 |
| | IM | ISOLATOR MODULE | SIGA-IM | EDWARDS | 7300-1657:0121 |
| | SM | SINGLE INPUT MONITOR MODULE | SIGA-CT1 | EDWARDS | 7300-1657:0121 |
| J | ② | ADDRESSABLE SMOKE DETECTOR | SIGA-PD | EDWARDS | 7272-1657:0331 |
| | ⊸AH | CONVENTIONAL HEAT DETECTOR AH = ATTIC HEAT (ie. ABOVE CEILING) | 5604 | SYSTEM SENSOR | 7270-1653:0167 |
| | © cd 15/30/75/110 | CEILING MOUNTED SPEAKER/STROBE | SPSCRL | SYSTEM SENSOR | 7320-1653:0505 |
| | WP< | WEATHERPROOF WALL MOUNTED SPEAKER | SPRK | SYSTEM SENSOR | 7320-1653:0201 |
| | NOTE: CON | TRACTOR IS RESPONSIBLE FOR REPLACEMEN | T OF COMPONENTS SH | OWN ON THE FLOOP | R PLANS. |

| | SYMBOL | EQUIPMENT DESCRIPTION | MODEL NO. | MANUFACTURER | CSFM LISTING |
|------|----------------------|--|-----------|-------------------|----------------|
| Τ | FACP | (E) FIRE ALARM CONTROL PANEL | EST 3 | EDWARDS | 7165-1657:0186 |
| T : | | (N) AUDIO SOURCE UNIT | ASU | EDWARDS | 7165-1657:0186 |
| T | LOC | (N) LOCAL OPERATING CONSOLE | 3-REMICA | EDWARDS | 7272-1657:0193 |
| KET | AMP | SPEAKER AMPLIFIER PANEL | SIGA-AA30 | EDWARDS | 7300-1657:0121 |
| KET | BPS | NOTIFICATION BOOSTER PANEL | BPS6A | EDWARDS | 7300-1657:0229 |
| KET | IM | ISOLATOR MODULE | SIGA-IM | EDWARDS | 7300-1657:0121 |
| KET | SM | SINGLE INPUT MONITOR MODULE | SIGA-CT1 | EDWARDS | 7300-1657:0121 |
| IXET | 3 | ADDRESSABLE SMOKE DETECTOR | SIGA-PD | EDWARDS | 7272-1657:0331 |
| | MAH | CONVENTIONAL HEAT DETECTOR AH = ATTIC HEAT (ie. ABOVE CEILING) | 5604 | SYSTEM SENSOR | 7270-1653:0167 |
| | ⊠⊲cd 15/30/75/110 | CEILING MOUNTED SPEAKER/STROBE | SPSCRL | SYSTEM SENSOR | 7320-1653:0505 |
| | WP⊡⊲ | WEATHERPROOF WALL MOUNTED SPEAKER | SPRK | SYSTEM SENSOR | 7320-1653:0201 |
| | | NTRACTOR IS RESPONSIBLE FOR REPLACEMEN SPECIFICATION FOR SPARE DEVICE QUANTITY | | IOWN ON THE FLOOP | R PLANS. |
| | | | | | |



FIRE ALARM NOTES

- WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: STATE CALIFORNIA CODE OF REGULATIONS (CCR) 2022 TITLE 24 CALIFORNIA BUILDING CODE
- PART 2, 2022 CALIFORNIA BUILDING CODE (CBC) PART 3, 2022 CALIFORNIA ELECTRICAL CODE (CEC), 2022 NEC. PART 4, 2022 CALIFORNIA MECHANICAL CODE (CMC)
- PART 5, 2022 CALIFORNIA PLUMBING CODE (CPC) PART 9, 2022 CALIFORNIA FIRE CODE (CFC) 2019 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13, 72, 80, 90A, 99, AND 101.
- INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTATION AND SPECIFICATION, INCLUDING STATE FIRE MARSHALL LISTING SHEETS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
- UPON COMPLETION OF INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF RECORD.
- DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/ OR TESTING.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES, REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM SECTION.
- AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBLES (Dba) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 Dba ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION AT
- LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIED SPACE WITHIN THE BUILDING. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
- 10. THE CONTRACTOR SHALL ADJUST/INSTALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE
- VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- 12. UNDERGROUND AND EXTERIOR CONDUIT SHALL HAVE WATERTIGHT FITTINGS AND WIRE TO BE 13. ALL FIRE ALARM WIRING SHALL BE FPL (FIRE POWER LIMITED) OR FPLP (FIRE POWER LIMITED
- PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN. I. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED
- DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC. 15. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION OF NEWLY INSTALLED
- FIRE ALARM DEVICES SHALL BE COVERED UNTIL AREA IS READY TO BE TURNED OVER TO THE OWNER. 16. ALL FIRE ALARM CIRCUITS ARE TO BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE THE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON THE
- DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER
- MANUFACTURERS SPECIFICATIONS. NO DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS. 18. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM A COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE

BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE

CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT

- FIRE PANEL/EXPANDERS. 19. THE INSTALLER CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION PER NFPA 72, FIGURE
- 20. CONTROL PANELS, REMOTE ANNUNCIATORS SHALL BE MOUNTED WITH THE TOP OF THE CONTROL
- THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
- 22. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
- 23. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR
- 24. THE FIRE ALARM SYSTEM SHALL CONFORM TO 2022 CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE
- 760 AND 2022 CALIFORNIA FIRE CODE (CFC) SECTION 907.
- 25. BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE DSA PROJECT INSPECTOR TO THE EFFECT THAT THE SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH THE 2019 NFPA 72 SECTION 14.4.1
- 26. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF
- THE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE DSA PROJECT INSPECTOR. 27. PROVIDE A RECORD OF COMPLETION PER NFPA 72 CHAPTER 7.5.6.

30. EACH BUILDING TO BE A SEPARATE SPEAKER ZONE. (CFC 907.63).

- 28. AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AND CBC 907.6.5.2. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUIS BY UL OR SHALL MEET THE REQUIREMENTS OF FM STANDARDS 3011.
- 29. TEST, INSPECTION AND MAINTENANCE SHALL COMPLY WITH NFPA 72 CHAPTER 14 REQUIREMENTS.

FIRE ALARM SYSTEM DESCRIPTION

SCOPE OF THIS PROJECT IS TO TIE IN TO EXISTING SLC CIRCUIT, ADD NEW POWER SUPPLY, AUDIO SOURCE UNIT (ASU), REMICA REMOTE MICROPHONE, DEVICES AND WIRING.

FIRE ALARM SYSTEM: CLASS B IDC: CLASS B SLC CIRCUIT: CLASS B

NOTIFICATION CIRCUIT: CLASS B

DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

IDENTIFICATION STAMP

Castelland Architects



Professional Seals



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ON

SHEET TITLE:

Revision Schedule

PROJECT # SHEET # ISSUE DATE:

06-06-2023

E3.01

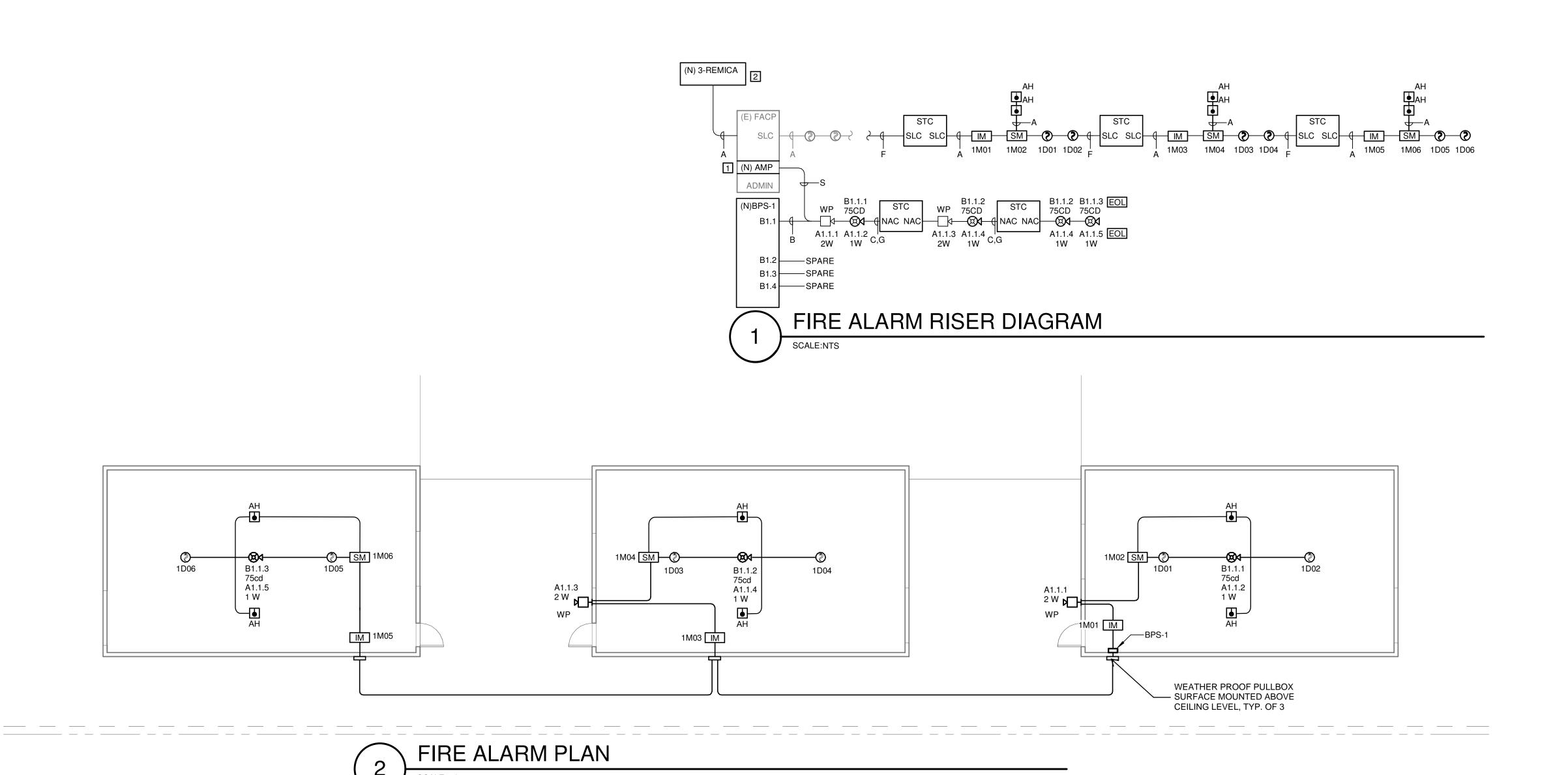
| *Derating Factor required to compensate for the non-linear discharge characteristic of a battery. | |
|---|--|
|---|--|

| Oty Device SMOKE DETECTOR ISOLATION MODULE SINGLE INPUT MODULE | | | | | | | | | |
|--|---------------|--|-------|------|---------------|----------------|----------------------|--------------|----------|
| Qty Device 6 SMOKE DETECTOR 3 ISOLATION MODULE | | | | | | DEVI | CE I | SUBTO | ΤΔΙ |
| 6 SMOKE DETECTOR 3 ISOLATION MODULE | | | | | | Standby | Alarm | Standby | Alarm |
| 3 ISOLATION MODULE | | | | | | 0.081000 | 0.150000 | 0.486000 | 0.900000 |
| 3 SINGLE INPUT MODULE | | | | | | 0.000200 | 0.002000 | 0.000600 | 0.006000 |
| 3 SINGLE INFOT MODULE | | | | | | 0.000200 | 0.002000 | 0.000600 | 0.006000 |
| | | | | | | 0.000200 | 0.002000 | 0.00000 | 0.00000 |
| | | | | | | Signaling Line | Circuit Load: | 0.487200 | 0.912000 |
| Notification Circuit Loading | CD | DRAW (EA) | NAC1 | NAC2 | NAC3 | NAC4 | NAC5 | NAC6 | TOTAL |
| SPEAKER STROBE | 00 | אונאוז (בא) | innoi | HAUL | IIAGS | 11704 | IIAGG | IIAGO | IOIAL |
| SPEAKER STROBE | 1 | | | | f - | 1 | | | |
| | + | - | | | - | 1 | | | |
| SPEAKER STROBE SPEAKER STROBE | | | | | | | | | - |
| | 3 | | - 8 | | | | | | - |
| STROBE | 4 | | | | | | | | - 3 |
| STROBE | | | | | | | | | |
| STROBE | | | | | | | | | |
| STROBE | Š. | | | | 18 | | | | |
| SPEAKER | | | | | | | | | 3 |
| SOUNDER | | | | | | | | | |
| | | | | | | | | | |
| Notification | Appliance C | Circuit Loading: | | | | | | | |
| Notification Circuit Voltage Drop | | | | | | | | | _ |
| CIRCUIT ID | | | | | TOTAL A | LENGTH FT. | AWG | %VD | VD |
| | | | | | TOTALA | LENGIN FI. | | 76VD | VD |
| NAC1 | | | | | | | 12 | | |
| NAC2 | | | | | | 8 8 | 12 | - | |
| NAC3 | | | | | | | 12 | | |
| NAC4 | | | | | | | 12 | | |
| NAC5 | | | | | | | 12 | | |
| NAC6 | | | | | 6 | ¥ 8 | 12 | | |
| Battery Calculation | | | | | Panel Loading | | | | |
| 100 pp. 100 pp | | Standby | Alarm | | | | acity (Amps): | 6.00 | |
| | nel Current | | 0.912 | | | Panel | Load (Amps): | 1.40 | |
| | in Standby | | | | | | The same of the same | | |
| | Standby Ah | | | | | | 1 | ■1 ■2 | |
| Minute | es in Alarm: | | 15 | | | 100 | | | |
| | Alarm Al | | 0.23 | | | | | | |
| Spare/Future Capa | acity - 25%: | Committee of the Commit | 2.98 | | | V | 6 | | |
| Minumum Battery | | | 14.90 | | | | | | |
| | | 35 | | | | | | | |
| Provide next | i largest cap | pacity battery | | | . 10. | | | | 2 |

| Signaling Line Circuit Loading | g | | | | | DEV | ICE | SUBTO | TAL |
|--|---|-------------------------|------------------------------|------|----------------------|-------------------|--|---------------------|----------|
| Qty Device | | | | | | Standby | Alarm | Standby | Alarm |
| 1 BPS-6A | | | | | | 0.091000 | 0.145000 | 0.091000 | 0.1450 |
| And the second of the second o | | | | | | | | | |
| | | | | | | 1 | Panel Load | 0.091000 | 0.1450 |
| | | | | | | | r arier Load | 0.031000 | 0.1400 |
| Notification Circuit Loading | | | | | | | | | |
| DEVICE | CD | DRAW (EA) | B1.1 | B1.2 | B1.3 | B1.4 | | | TOTAL |
| SPEAKER STROBE | 15 | 0.041 | | | | | | | |
| SPEAKER STROBE | 30 | 0.063 | | | 1 | | | | - |
| SPEAKER STROBE STROBE | 75 | 0.111 | 4 | | | | | | 0.4 |
| STROBE | 15 30 | 0.041 0.063 | | | 1 | - | - | | |
| STROBE | 75 | 0.111 | - | | 1 | 1 | - + | | |
| o i i i o o o | ,,, | 0.111 | | | | | | | |
| | | | | | | | | 1 | |
| | | | | | | 7 | | 7. | - |
| | | | | | | | | | |
| | | | | | | | | | |
| N 1 - 41 | | | | | | | | | |
| Notif | fication Appliance (| Sircuit Loading | 0.444 | | L . | | | | 0.4 |
| | 117 | Sircuit Loading | 0.444 | | | | - | A5-0 | 0 |
| Notification Circuit Voltage D | 117 | Sircuit Loading | 0.444 | | TOTAL A | LENGTH FT. | AWG | %VD | |
| Notification Circuit Voltage D | 117 | Sircuit Loading | 0.444 | | TOTAL A 0.444 | LENGTH FT. | AWG | %VD 1.68% | VD |
| Notification Circuit Voltage D | 117 | Sircuit Loading | 0.444 | | TOTAL A 0.444 | LENGTH FT. 200 | AWG 12 12 | %VD 1.68% | |
| Notification Circuit Voltage Do CIRCUIT ID B1.1 B1.2 B1.3 | 117 | Circuit Loading | 0.444 | | | | 12 12 12 | | VD |
| Notification Circuit Voltage Do CIRCUIT ID B1.1 B1.2 | 117 | Sircuit Loading | 0.444 | | | | 12 12 12 12 | | VD |
| Notification Circuit Voltage Do CIRCUIT ID B1.1 B1.2 B1.3 | 117 | Sircuit Loading | 0.444 | | | | 12 12 12 12 12 | | INTLANT. |
| Notification Circuit Voltage Do CIRCUIT ID B1.1 B1.2 B1.3 | 117 | Sircuit Loading | 0.444 | | | | 12 12 12 12 | | VD |
| Notification Circuit Voltage Di CIRCUIT ID B1.1 B1.2 B1.3 B1.4 | 117 | Circuit Loading | 0.444 | | 0.444 | 200 | 12 12 12 12 12 | | VD |
| Notification Circuit Voltage Do CIRCUIT ID B1.1 B1.2 B1.3 | 117 | | | | | 200 | 12 12 12 12 12 12 | 1.68% | VD |
| Notification Circuit Voltage Di CIRCUIT ID B1.1 B1.2 B1.3 B1.4 | LOE | Standby | Alarm | | 0.444 | 200 | 12 12 12 12 12 12 12 0acity (Amps) | 8.00 | VD |
| Notification Circuit Voltage Di CIRCUIT ID B1.1 B1.2 B1.3 B1.4 | rop | Standby 0.091 | | | 0.444 | 200 | 12 12 12 12 12 12 | 8.00 | VD |
| Notification Circuit Voltage Di CIRCUIT ID B1.1 B1.2 B1.3 B1.4 | LOE | Standby .: 0.091 .: 24 | Alarm | | 0.444 | 200 | 12 12 12 12 12 12 12 0acity (Amps): Load (Amps): | 8.00 | VD |
| Notification Circuit Voltage Di CIRCUIT ID B1.1 B1.2 B1.3 B1.4 | rop tals Panel Current Hours in Standby | Standby 0.091 24 2.18 | Alarm | | 0.444 | 200 | 12 12 12 12 12 12 12 0acity (Amps): Load (Amps): | 8.00 0.68 | VD |
| Notification Circuit Voltage Di CIRCUIT ID B1.1 B1.2 B1.3 B1.4 | tals Panel Current Hours in Standby Standby Ah | Standby 1 0.091 24 2.18 | Alarm 0.589 15 0.15 | | 0.444 | 200 | 12 12 12 12 12 12 12 0acity (Amps): Load (Amps): | 8.00 0.68 | VD |
| Notification Circuit Voltage Discription B1.1 B1.2 B1.3 B1.4 Battery Calculation Total | rop cals Panel Current Hours in Standby Standby Ah Minutes in Alarm | Standby 0.091 24 2.18 | Alarm 0.589 | | 0.444 | 200 | 12 12 12 12 12 12 12 0acity (Amps): Load (Amps): | 8.00 0.68 | VD |

NUMBERED SHEET NOTES

PROVIDE NEW AUDIO SOURCE UNIT (ASU) AND AMPLIFIER IN EXISTING EST-3X FIRE ALARM CONTROL PANEL FOR USE WITH NEW SPEAKER STROBES LOCATED IN THE NEW PORTABLE BUILDINGS. REFER TO E2.01 FOR CONTINUATION. 2 PROVIDE NEW BACKBOX FOR EXISTING REMOTE ANNUNCIATOR TO ALLOW 3-REMICA TO BE INSTALLED FOR USE WITH NEW AUDIO SOURCE UNIT (ASU)



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

Derivi Castellanos Architects

Eligine ering consulting engineers

Professional Seals



JOINT UNION ELEMENTARY SCHOOL DISTRICT

SHEET TITLE: FIRE ALARM PLAN &

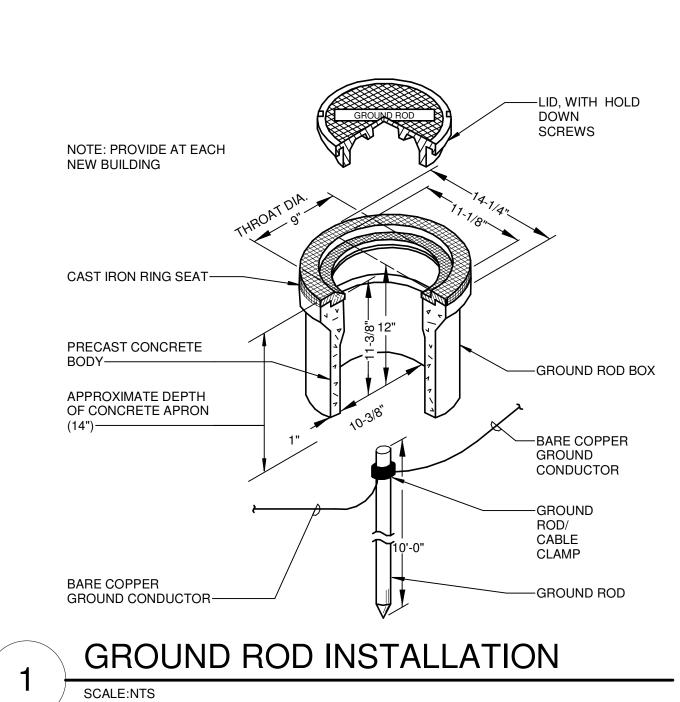
(D)

Revision Schedule Description

RISER DIAGRAM

PROJECT # SHEET # 22.037 ISSUE DATE:

06-06-2023



(E) MODULAR

—WEATHER TIGHT

—UNDERGROUND FEEDER

NOTE: COORDINATE PANEL LOCATION WITH EXISTING CONDITIONS FOR PLACEMENT

OF IN-GROUND PULLBOX TO ENSURE MINIMAL ABOVE-GROUND RISER.

PVC COATED GRC CONDUIT RISER OUT OF

IN-GROUND

PULLBOX. REFER

TO SITE PLANS.

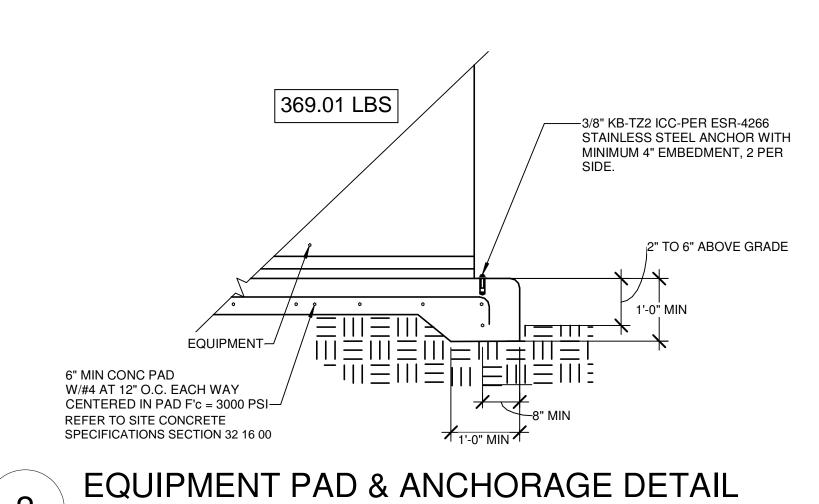
GRADE, PROVIDE SUPPORT AS REQUIRED-

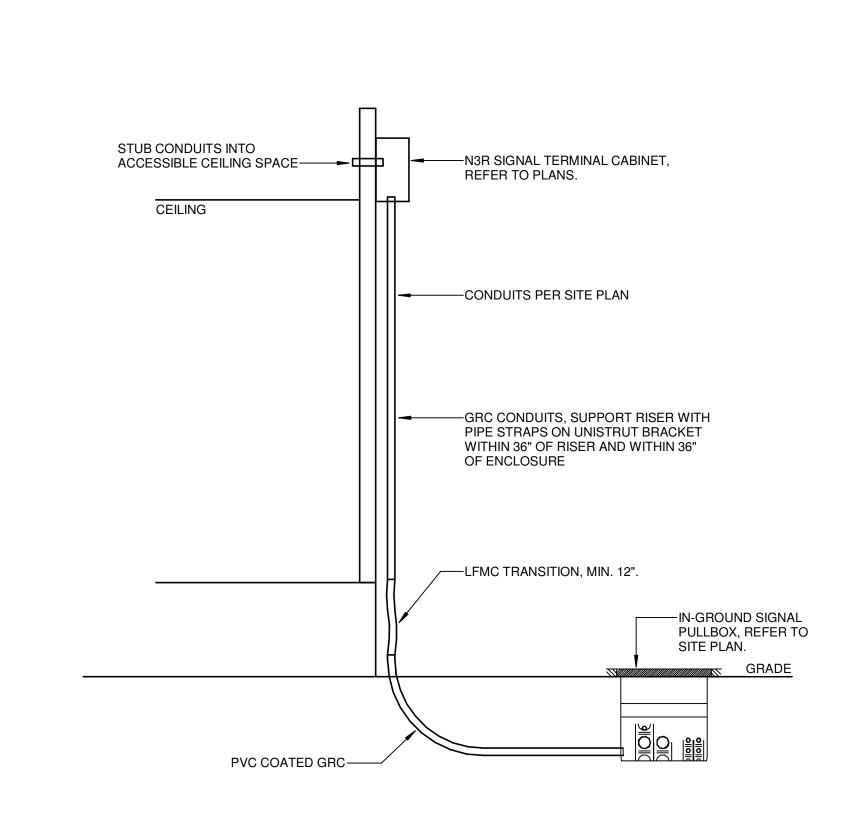
SCALE:NTS

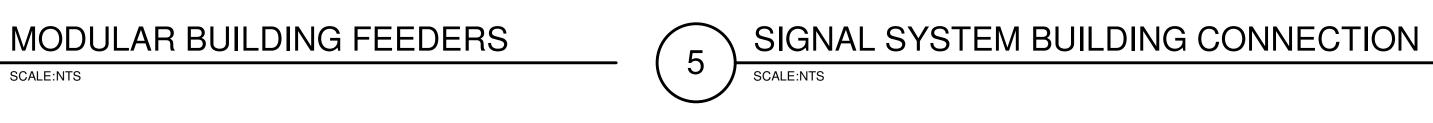
FLEXIBLE CONDUIT,

SUPPORT AS REQUIRED

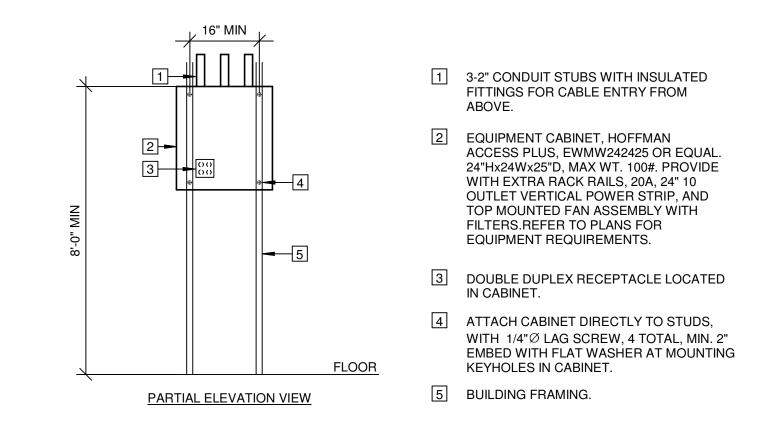
BÚILDING PANEL



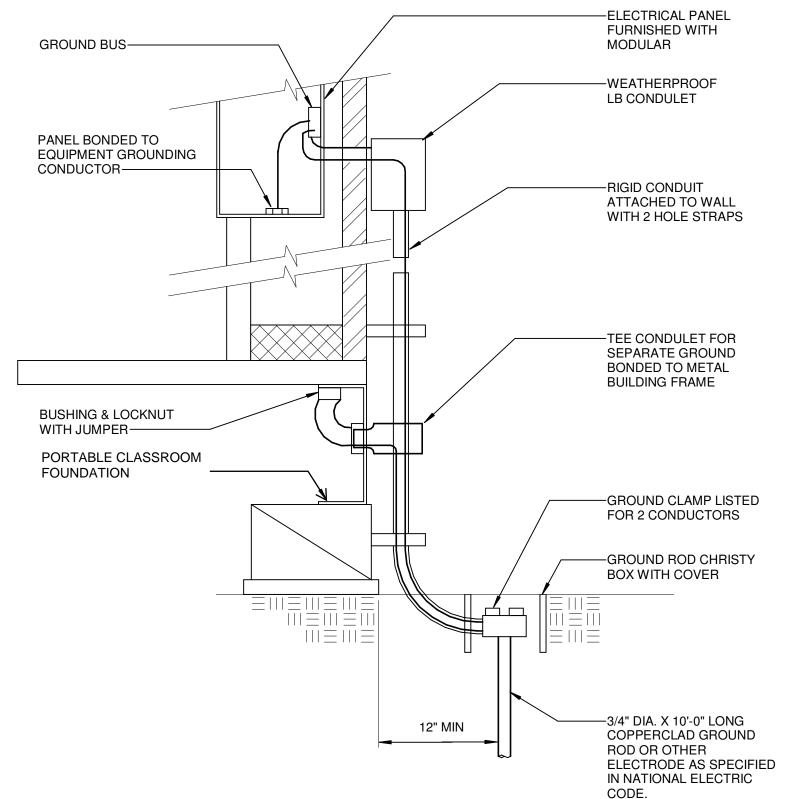




SCALE:NTS



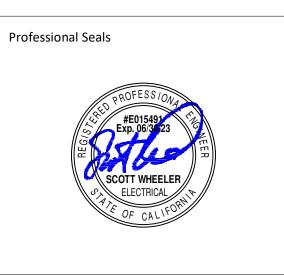
IDF CABINET INSTALLATION SCALE:NTS



- 1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250-66.
- 2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO GROUNDING POINT IN ELECTRICAL PANEL AND TO METAL BUILDING FRAME IF APPLICABLE. BOND THE ELECTRICAL GROUND TO THE METAL WATER PIPE EMBEDDED AT LEAST 10 FT. INTO THE SOIL (CEC 250-52)
- 3. ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE). USING #8 AWG CU.
- 4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN, SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR
- 5. TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE PROJECT INSPECTOR.

TYPICAL GROUNDING DETAIL FOR MODULAR CLASSROOMS SCALE:NTS

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 6/29/2023



ELEMEN⁻STRICT NOINO SIG TOC SCF

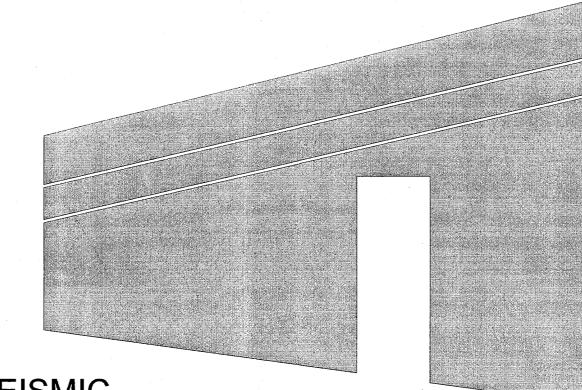
SHEET TITLE: ELECTRICAL DETAILS

Revision Schedule Description

PROJECT # SHEET # ISSUE DATE: 06-06-2023

E4.01

| Cl ··· | Sheet List | Ob | · · · · · · · · · · · · · · · · · · · |
|--|---|----------------------------------|---|
| Sheet Numl | ber Sheet Name | Sheet Number | |
| £2.3 E2.1 | 120'x40' T24 CZ 16 (WALL AC) 120'x40' T24 CZ 16 (WALL AC) | Under Separate | Cover FIRE SPRINKLE |
| E2.2 Cover | 120'x40' T24 CZ 16 (WALL AC) | F3-2 | FIRE SPRINKLER |
| A0.0 A0.0.1 | COVER SHEET PROJECT OPTIONS SCHEDULE | FOUNDATION C-1.0 | COVER SHEET |
| A0.1 A0.2 | TYPICAL KEY PLAN AND SCHEDULES, GEN NOTES, SIGNAGE AND SYMBOLS | F-7.0 | DETAILS AND NO DING STOCKPILE |
| A0.3 | DSA-103 T&I CONCRETE FLOORS | SR0 SR1 | MODULE PLAN A RAMP AND LAND |
| 40.4 40.5 | DSA-103 T&I PLYWOOD FLOORS CALGREEN SPEC'S | SR2 SR3 | RAMP AND LAND FOUNDATION PL |
| | | SR4 SR5 SR6 | RAMP AND LAND RAMP DETAILS RAMP DETAILS |
| Architectural | | SR7 | STAIR CONNECT |
| A1.0 A1.1 | 24x40 FLOOR PLAN 36x40 FLOOR PLAN | | |
| A1.2 A2.1 | 48x40 FLOOR PLAN ARCHITECTURAL DETAILS (WOOD FRAMING SHTG FINISH) | | |
| A2.2 A2.3 | ARCHITECTURAL DETAILS (WOOD FRAMING PLASTER FINISH) ARCHITECTURAL DETAILS (MTL FRAMING SHTG FINISH) | | |
| A2.4 | ARCHITECTURAL DETAILS (MTL FRAMING PLASTER FINISH) | | |
| A2.5 A2.6 | ARCHITECTURAL DETAILS (1-HR WOOD FRAMING SHTG FINISH) ARCHITECTURAL DETAILS (1-HR WOOD FRAMING PLASTER | | |
| A2.7 | FINISH) ARCHITECTURAL DETAILS (1-HR MTL FRAMING SHTG FINISH) | | |
| A2.8 A2.9 | ARCHITECTURAL DETAILS (1-HR MTL FRAMING PLASTER FINISH) ARCHITECTURAL DETAILS (FLOOR) | | |
| A3.0 A3.1 | ADDITIONAL FIRE RATING DETAILS AND NOTES SINGLE OCC. BATHROOM | | |
| A3.2 A3.2.1 | RCP CEILING NOTES | | D |
| A3.3 A3.4 | CEILING DETAILS (T-GRID) CEILING DETAILS (GYP BOARD) | PARTIAL LIST | OF APPLICABLE |
| A3.4 A4.0.1 A4.0.2 | ROOF PLAN MONO SLOPE (STANDING SEAM) ROOF PLAN DUAL SLOPE (STANDING SEAM) | 2016 California | ative Code (CAC), Building Code (CI |
| A4.1 | ROOF DETAILS (STANDING SEAM) | (2015 2016 California | International Buildi Electrical Code (C |
| A4.2.1 A4.2.2 | ROOF PLAN MONO SLOPE (EPDM) ROOF PLAN DUAL SLOPE (EPDM) | 2016 California | National Electrical Mechanical Code |
| A4.3 A4.4.1 | ROOF DETAILS (EPDM) ROOF PLAN W/ PARAPET MONO SLOPE (EPDM) | 2016 California | Uniform Mechanic Plumbing Code (C Uniform Plumbing |
| A4.5 A5.0 | ARCHITECTURAL DETAILS (PARAPET) SIDEWALL ELEVATION | 2016 California | Uniform Plumbing i Energy Code (CE i Fire Code, Part 9, |
| A5.1 A5.2 | ENDWALL ELEVATIONS INTERIOR ELEVATIONS | (2015 | International Fire C Green Building St |
| A6.0 | SECTION - STANDING SEAM (MONO) | 2016 California | Referenced Stand , Public Safety, Sta |
| A6.0.1 A6.1 | SECTION - STANDING SEAM (DUAL) SECTION - EPDM (DUAL) | 2013 ASME A | 17.1 (W/ CSA B44- |
| A6.2 A6.3 | SECTION SECTION - EPDM (MONO) | PARTIAL LIST | OF APPLICABLE |
| A7:0 A7.1 | ADDITIONAL OPTION DETAILS ADDITIONAL OPTION DETAILS | NFPA 13 NFPA 14 | Automa Standpi |
| A7.2 MEP | ADDITIONAL OPTION DETAILS | NFPA 17 NFPA 17a | Dry Che Wet Ch |
| E1.0 E1.1 | ELECTRICAL PLAN 24x40 ELECTRICAL SCHEDULES 24x40 | NFPA 20 NFPA 22 | Stationa Water T |
| E1.2 E1.3 | ELECTRICAL PLAN 36x40 ELECTRICAL SCHEDULE 36x40 | NFPA 24 NFPA 72 | Private Nationa |
| E1.4 | ELECTRICAL SCHEDULE 38×40 ELECTRICAL SCHEDULE 48×40 | NFPA 80 NFPA 92 | Fire Doo Standar |
| E1.5 M0.1 | MISCELLANEOUS NOTES & DETAILS | NFPA 253 NFPA 2001 ICC 300 | Critical Clean A ICC Sta |
| M2.1 M2.2 | 120'x40' T24 CZ 16 (WALL AC) 120'x40' T24 CZ 16 (WALL AC) | UL 300 | Seating Fire Tes |
| M2.3 M2.4 | 120'x40' T24 CZ 16 (WALL AC) 120'x40' T24 CZ 16 (WALL AC) | UL 464 | Of Rest Audible |
| M5.1 M5.2 | MECHANICAL CEILING PLAN 24x40 MECHANICAL ROOF MOUNT 24x40 | UL 521 | Heat De |
| M6.1 M6.2 | MECHANICAL CEILING PLAN 36x40 MECHANICAL ROOF MOUNT 36x40 | | le Section for NFP. California amendm |
| M7.1 M7.2 | MECHANICAL CEILING PLAN 48x40 MECHANICAL ROOF MOUNT 48x40 | | ministrative Code, |
| P1.0 Foundation | TYPICAL PLUMBING DETAILS | | gy Commission (C |
| F1.10 | WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 50+15 | | AL CONTROL |
| F 1.11 F 1.12 | WOOD FOUNDATION PLAN 24x40 BLDG W/ 50+15 WOOD FOUNDATION 36x40 BLDG W/ 50+15 | is <u>not allowed</u> t | |
| F1.13 F1.14 | WOOD FOUNDATION PLAN 48x40 BLDG W/ 50+15 MODLINE "B" W/ EXTERIOR WALLS BACK-TO-BACK 100 PSF | | CNEL noise conto CNEL or Ldn noise |
| F1.20 F1.21 | WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 100PSF— WOOD FOUNDATION PLAN 24x40 BLDG W/ 100 PSF— | | on exposed to a no |
| F1.22 | WOOD FOUDATION PLAN 36x40 BLDG W/ 100 PSF WOOD FOUNDATION PLAN 48x40 BLDG W/ 100 PSF | CODE | ADOPTED YEAR |
| F1.24 F1.30 | MODLINE "B" W/ EXTERIOR WALLS BACK-TO-BACK 100 PSF WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 150 PSF | NFPA 13 NFPA 72 | 2016 2016 |
| F1.31 | WOOD FOUNDATION PLAN 24X40 BLDG W/ 150 PSF | | |
| F1.32 F1.33 | WOOD FOUNDATION PLAN 36x40 BLDG W/ 150 PSF WOOD FOUNDATION PLAN 48x40 BLDG W/ 150 PSF | | DEVICES PER UL |
| F1.34 F1.40 | MODLINE "B" W/ EXTERIOR WALL BACK-TO-BACK 150 PSF— WOOD FOUNDATION DETAILS—— | | "PRE-DESIGNED OR SITE REQUIRE |
| F2.10 F2.20 | CONCRETE FOUNDATION PLAN CONCRETE FOUNDATION DETAILS | • | IE OWNERS RES RESSURE (PSI)CA |
| F2.22 F2.23 | CONCRETE FOUNDATION DETAILS CONCRETE FOUNDATION DETAILS | | SED SITE FOR E |
| Structural S0.1 | STRUCTURAL GEN NOTES | | MINIMUM MUMINIMUM |
| S1.0.1 | WD SHTH'G FLR FRM'G PLAN (50+15 PSF) | | E TO ATTAIN THE |
| S1.0.2 S1.0.3 | WD SHTH'G FLR FRM'G PLAN (100 PSF) WD SHTH'G FLR FRM'G PLAN (150 PSF) | | E OR MORE OF T |
| S1.1.1 S1.1.2 | CONC FLR FRM'G PLAN (50+15 PSF) CONC FLR FRM'G PLAN (100 PSF) | A. WAT | ER TANK 1. F 2. E |
| \$1.1.3 \$1.2 | CONC FLR FRM'G PLAN (150 PSF) STRUCTURAL DETAILS (FLOOR) | • | Z. E. TIONAL UNDERGOR ANY COMBINA |
| S3.0.1 S3.0.2 | MONO SLOPE ROOF FRM'G PLAN DUAL SLOPE ROOF FRM'G PLAN | | NSURE PROPER |
| S3.1 S3.2 | STRUCTURAL DETAILS (ROOF) ROOF DETAILS (SOFFIT/PARAPET) | WITH T | LLOWING MUST HE SITE PLAN FO |
| S3.3 | ROOF PERIMETER TRUSS | 1. 2. | MINIMUM GPM/F WATER FLOW D |
| \$4.0 \$4.1 | WD WALL FRAMING ELEVATIONS WALL FRAMING ELEVATIONS | 3. | SITE PLAN SHOWN SHOWN AND F |
| S4.2 S4.3 | WALL DETAILS (WOOD FRAMING) WALL DETAILS (MTL FRAMING) | 4. | ALL (NEW AND E AND SIZE SHOW PIPING RESTRA |
| S4.4 S4.5 | TYP FRAMING FRAMING SCHEDULES | 5. | LOCATION OF A A. FIRE HY |
| S5.0 S5.1 | LONG. SECTION - (MONO) LONG SECTION - (DUAL) | | B. POST INC. FIRE DE |
| SR0 SR1 | MODULE PLAN AND NOTES RAMP LANDING | | D. PRESSUE. BACK-FL |
| SR2 | LANDING FRAME | 6. | F. OTHER I |
| SR3 SR4 | RAMP ELEVATION | 7. | THE AVAILABLE MEET OR EXCEE ANY CHANGES T |
| SR5 SR6 | RAMP DETAILS RAMP DETAILS | · · | CONSTRUCTION NECESSITATE A |
| SR7 | STAIR CONN- | 1 | |



LOW SEISMIC **DESIGN CRITERIA**

PC NOT USABLE

IN WUI AREAS

BED JOINT

BLOCK ('G, ING) BELOW BEAM

BOTTOM OF

CHANNEL COMPRESSIO

CAMBER CENTER TO CENTER

CAST IRON

CAST-IN-PLACE

CIRCUMFERENCE

CONTROL JOINT

CAULK, ('G, ING)

CORRUDATED METAL PIPE

CONCRETE MASONRY UNIT

CENTIMETER

COMP COMPRESS (ED)(ION)(IBLE)

CONNECT (ION) CONCRETE

CORRUGATED

COUNTERSINE

DOUBLE DEFLECTION

DETAIL DIAGONAL DIAMETER DIMENSION (ED)

DEAD LOAD

DOWEL (ED)

EACH EXPANSION BOLT

EACH FACE EXPANSION JOINT

ELECTRIC (AL)

ESTIMATE (ED)

(E), EXIST EXISTING
EXMP EXPANDED METAL PLATE

EXTRA STRONG

EXTERIOR, EXTERNAL

FURNISHED BY OTHERS

FLATHEAD WOOD SCREW

FLOOR DRAIN OPH FLATHEAD MACHINE SCREW OPNG

EXPANSION BÓLT

EXCAVATE (D) (ION)

MODULUS OF ELASTICITY

ENCLOSURE, ENCLOSED

EQUAL, EQUALIBRIUM

DEGREE DEMOLISH, DEMOLITION

CONTINUE, CONTINUOUS

CMU CONCRETE M
CNTR CENTER
COL COLUMN
COG CENTER OF G
COMB COMBINATION

COMPOCOMPOSITE

PC#

04-116504

24' x 40' EXPANDABLE TO 120' x 40'

STKP # 244

CLASS LEASING

RELOCATION PACKAGE FOR:

GALT USD

LAKE CANYON ES

(x3) 24x40 R.H. BUILDINGS

SERIAL No'S:

P-19-1980A/B,P-19-1981A/B,P-19-1982A/B,

DESIGN CODES

Sheet Name

ST OF APPLICABLE CODES AS OF February 28, 2017

FIRE SPRINKLER DESIGN 1

FIRE SPRINKLER DESIGN 2

MODULE PLAN AND NOTES RAMP AND LANDING PLAN

RAMP AND LANDING FRAMING

RAMP AND LANDING / STAIR FRAMING

DETAILS AND NOTES

FOUNDATION PLAN

RAMP DETAILS RAMP DETAILS STAIR CONNECTION

strative Code (CAC), Part 1, Title 24 C.C.R. * nia Building Code (CBC), Part 2, Title 24 C.C.R 5 International Building Code with 2016 California Amendments)

nia Electrical Code (CEC), Part 3, Title 24 C.C.R. 4 National Electrical Code with 2016 California Amendments) nia Mechanical Code (CMC), Part 4, Tiltle 24 C.C.R. 5 Uniform Mechanical Code with 2016 California Amendments

nia Plumbing Code (CPC), Part 5, Title 24 C.C.R. 5 Uniform Plumbing Code with 2016 California Amendments nia Energy Code (CEC), Part 6, Title 24 C.C.R nia Fire Code, Part 9, Title 24 C.C.R.

5 International Fire Code with 2016 California Amendments) nia Green Building Standards Code, Part 11, Title 24 C.C.R. nia Referenced Standards, Part 12, Title 24 C.C.R R., Public Safety, State Fire Marshal Regulations. A17.1 (W/ CSA B44-13) Safety Code for Elevators and Escalators

ST OF APPLICABLE STANDARDS

Automatic Sprinkler Systems 2016 Edition Standpipe Systems 2013 Edition Dry Chemical Extinguishing Systems 2013 Edition Wet Chemical Systems 2013 Edition 2016 Edition Stationary Pumps Water Tanks for Private Fire Protection 2013 Edition Private Fire Mains 2016 Edition National Fire Alarm Code 2016 Edition Fire Doors and Other Opening Protectives 2016 Edition Standard for Smoke Control Systems 2015 Edition Critical Radiant Flux of Floor Covering Systems 2015 Edition 2015 Edition Clean Agent Fire Extinguishing Systems 2012 Edition ICC Standards on Bleachers, Folding and Telescoping Seating and Grand stands Fire Testing of Fire Extinguishing System for Protection 2005 Edition Of Restaurant Cooking Areas Audible Signal Appliances Heat Detectors for Fire Protective Signaling Systems 1999 Edition

ode Section for NFPA Standards - 2016 CBC (SFM) Chapter 35. See Chapter of California amendments to NFPA Standards.

dministrative Code, Part 1, Chapter 10, Administrative Regulations for the ergy Commission (CEC).

CAL CONTROL (EXTERIOR) REQUIREMENTS

CCR, Title 24, Part 11 (CALGREEN CODE) Section 5.507.4. This pre-check building to be placed: 55 CNEL noise contour of a airport; 55 CNEL or Ldn noise contour of a freeway, expressway, railroad, or industrial source

tion exposed to a noise level of 65 dB Leq-1Hr, during any hour of operation.

AUTOMATIC SPRINKLER SYSTEMS NATIONAL FIRE ALARM CODE w/ CALIFORNIA AMENDMENTS

L DEVICES PER UL STANDARD 1971

A "PRE-DESIGNED" FIRE SPRINKLER SYSTEM INSTALLED. FOR SITE REQUIREMENTS BY OWNER

THE OWNERS RESPONSIBILITY TO ENSURE THE MINIMUM FLOW (GPM) PRESSURE (PSI)CAN BE ATTAINED AT THE BASE OF THE RISER AT THE POSED SITE FOR EACH PROPOSED BUILDING. THIS PC REQUIRES

MINIMUM GPM: 250 MINIMUM PSI: 35

IRE TO ATTAIN THE MIN GPM/PSI MAY NECESSITATE THE INSTALLATION NE OR MORE OF THE FOLLOWING ITEMS/EQUIPMENTS.

FIRE PUMP BACK UP FIRE SUPPLY DITIONAL UNDERGROUND FIRE LINE TAPS

OR ANY COMBINATION OF THE ABOVE OR ANY OTHERS AS REQUIRED **ENSURE PROPER OPERATION OF THE AFSS**

FOLLOWING MUST BE SUPPLIED TO DSA AT THE TIME OF SUBMITTAL THE SITE PLAN FOR EACH PROPOSED BUILDING WITH AN AFSS. MINIMUM GPM/PSI REQUIRED

WATER FLOW DATA (SEE DSA AFFS GUIDELINES) SITE PLAN SHOWING THE LOCATION OF THE "FLOW" AND "TEST" HYDRANTS (FULLY DIMENSIONED)

ALL (NEW AND EXISTING) UNDERGROUND FIRE LINES/PIPING -LENGTH AND SIZE SHOWING LOCATION AND METHOD OF UNDERGROUND PIPING RESTRAINTS TO TEST HYDRANT

LOCATION OF ALL (NEW AND EXISTING); FIRE HYDRANTS POST INDICATORS

FIRE DEPARTMENT CONNECTIONS BACK-FLOW PREVENTION/DETECTOR CHECK VALVES OTHER FIRE RELATED ITEM/EQUIPMENTS APPLICABLE

HYDRAULIC CALCULATIONS FOR THE UNDERGROUND PIPING WITH THE AVAILABLE GPM/PSI AT THE BASE OF EACH AFSS RISER (MUST MEET OR EXCEED MIN REQ'T)

ANY CHANGES TO THE CONFIGURATION (WALLS, CEILINGS, CONSTRUCTION TYPE) OR OCCUPANCY OF THE PC WILL NECESSITATE ADDITIONAL/REVISED HYDRAULIC CALCULATIONS

PARALLEL PARTICLE BOARD ANCHOR BOLT PARTICLE BOARD
PRECAST CONCRETE
POUNDS PER CUBIC FOOT
PIECES
PERFORATE (D)
PERIMETER
PREFABRICATE (D) AGGREGATE BASE COURSE ABOVE FACE OF ______ FIREPROOF (ED) POUNDS PER SQUARE FOOT
PLATE
PLUMBING
POUNDS PER LINEAR FOOT FIREPROOFING FRAME (D)(ING) ALTERNATE DIRECTION AFF ABOVE FINIS
AGG AGGREGATE
ALT ALTERNATE
ALUM ALUMINUM
ANCH ANCHOR (AGE)
ANOD ANODIZED
APPRX APPROXIMAT
ARCH ARCHITECT (
ASPH ASPHALT
AUTO AUTOMATIC FIRE RESISTANT COATING FORGED FRAMING P.L. PARALLAM
PLWD PLYWOOD
PMT PAVEMENT
PNL PANEL
POSTEN POST TENSION (D) **APPROXIMATE** FIELD VERIFY PRETENSIONED POLYETHYLENE GAUGE PAIR PROJECT GALVANIZED GENERAL CONTRACTOR GALVANIZED IRON BOND BEAM POUNDS PER SQUARE FOOT GLASS, GLAZING

GALVANIZED PIPE GALLONS PER MINUTE GYPSUM PLASTER POST-TENSIONED CONCRETE PAINTED POLYVINYL CHLORIDE GRAVEL, GRANULAR GRADE, GRADING QUANTITY RADIUS, RISER RADIUS GALVANIZED SHEET STEE ROOF DRAIN GYPSUM WALLBOARD REFERENCE, REFER TO HARDBOARD HOLLOW CORE

HEADED STUD ANCHOR

HIGH STRENGHT BOLT

HARDWOOD

INSIDE DIAMETER

INTERMEDIATE

LONG, LENGTH

LAMINATE (D) POUND, LAG BOLT

LABEL LIGHT CONTROL

LONG LEG VERTICAL

LINEAR FOOT

LEVEL (ING)
LIGHT WEIGHT

LIVE LOAD

KIP (S)

INSULATE, INSULATION

KIPS PER SQUARE INCH

DEVELOPMENT LENGHT

LIGHT WEIGHT CONCRETE

METER (S) MOMENT

MOMENT CONNECTION

MECHANICAL, ELECTRICAL,

& PLUMBING METAL FLOOR DECKING

MACHINE BOLT

MECHANICAL

MID, MIDDLE

MODEL

MOVABLE

NATURAL NAILABLE

NUMBER

Nominal

NORTH, NEW

NONMETALLIC

NOT TO SCALE

OUTSIDE DIAMETER

OPEN-WEB JOINT (S)

OPPOSITE HAND

OVALHEAD MACHINE SCREW

OVALHEAD WOOD SCREW

MISCELLANEOUS

MILLIMETER (S)

MASONRY OPENING

METAL

REFORCE (D) (ING) REMOVE REQUIRED REQUIREMENTS RETAINING HEAVY DUTY HARDENER REVISION, REVISED HEADER HARDWARE HARDWOOD ROOF HATCH HIGH EARLY STRENGTH CEMENT REFLECT (ED)(IVE)(OR) ROUGH OPENING HEADJOINT HOOK HOLLOW METAL FIRE RETARDANT TREATED RUBBER TILE HORIZONTAL REVERSE SIDE RIVET HIGH POINT HOUR

> SOUTH SOLID CORE SCHEDULE SUPERIMPOSED DEAD LOAD SELF DRILL SCREW SELF-DRILL, SELF-TAP'G SCREW SQUARE FOOT SQUARE FEET SHEET SHEATHING

SQUARE INCH SIMILAR SLOPE SEALANT SHEET METAL SCREW SLAB ON GRADE SPACE, (ING) SPECIFICATION (S) SQUARE STAINLESS STEEL STANDARD STEEL STORAGE STRUCTURE STRUCTURAL SYMETRICAL, SYMETRY SYSTEM

TOP, TORSION, TREAD TOP AND BOTTOM TOP CHORD TESION, TENSILE TEMPORARY, TEMPERATURE THREAD (ED) THICK (NESS) TEMPERED TOP OF ___ TOTAL LOAD TREAD TUBE STEEL TYPICAL UNDERCUT UNDERGROUND UNDEREWRITERS LABORATORY UNDER UNFINISHED UNLESS NOTED OTHERWISE

SHEAR FORCE, VELOCITY VAPOR BARRIER VERTICAL VERTICAL GRAIN VERIFY IN FIELD VENEER VENT THROUGH ROOF WEST, WIDTH, WIDE, WIDE FLANGE WITH WITHOUT WOOD WROUGHT IRON WIRE MESH WATERPROFFING WATER REPELLENT WORKING POINT WATER STOP

WALL TO WALL (W/W) WELDED WIRE FABRIC

WELDED WIRE MESH

THRU P-19-2012 A/B (100) 24 X 40

P-19-2013 A/B/C/D THRU P-19-2027 A/B/C/D (15) 48 X 40

P-19-1913 A/B

CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)

SCOPE OF WORK

NUMBER OF STORIES: 1 OCCUPANCY: CONSTRUCTION TYPE:

FLOOR LIVE LOAD: 50+15 PSF PARTITION ☐ 100 PSF ☐ 150 PSF FLOOR DEAD LOAD: WOOD FLOOR - 11 PSF CONC. FLOOR - 33 PSF

ROOF LIVE LOAD: 20 PSF ROOF SNOW LOAD: 0 PSF

ROOF DEAD LOAD: 18.5 PSF (INCLUDES SPRINKLERS & 3PSF SOLAR PANEL) RAMPLIVE LOAD: 100PSF This PC has not been designed to accommodate flood loads. If located in a FLOOD DESIGN: zone other than X, a letter stamped and signed from a soils engineer is needed to validate the allowable soil values assumed in this PC are still applicable.

□ 120x40 6000 sf*

Ss = 2.14

S1 = 1.99

CONC. FLOOR, LL = 150, BASE SHEAR= 36.36 kip

BUILDING AREA NO OVERHANG WITH OVERHANG (5' @ EA. END) ALLOWABLE AREA □ 24x40 960 sf 24x40 1200 sf =9,500 sf ☐ 36x40 1800 sf ☐ 36x40 1440 sf 48x40 2400 sf ACTUAL AREA ☐ 48x40 1920 sf =4,800 SF ☐ 60x40 3000 sf ☐ 60x40 2400 sf ☐ 72x40 2880 sf ☐ 72x40 3600 sf □ 84x40 4200 sf ☐ 84x40 3360 sf ☐ 96x40 3840 sf ☐ 96x40 4800 sf □ 108x40 5400 sf* □ 108x40 4320 sf*

4000 sf ALLOWABLE SOIL PRESSURE: ☐ WOOD FTG -1000PSF ☐ CONCRETE FTG 1500PSF FOUNDATION: UWOOD ☐ CONCRETE PC IS DESIGNED BASED ON A PINNED CONNECTION TO THE FOUNDATION.

Geo-hazard site specific report must be provided and approved by CGS for building area more than

CEC CLIMATE ZONE: 1-16 WIND DESIGN

JLTIMATE DESIGN SPEED: Vult = 130 mph, 3 sec GUST, Kzt = 1.0 RISK CATEGORY: EXPOSURE:

□ 120x40 4800 sf*

EARTHQUAKE DESIGN

RISK CATEGORY:

SEISMIC IMPORTANCE FACTOR: MAPPED SPECTRAL RESPONSE: SITE CLASS: SEISMIC DESIGN CATEGORY:

Note: For SDC (E) site specific motion analysis is not required if not in a seismic hazard zone and/or meets other exemptions in DSA IR A-4 SHORT/LONG PERIOD SITE COEFFICIENT: Fa = 1.0, Fu = 1.5 **DEISIGN SPECTRAL RESPONSE:** Sds = 1.00 (for building), Sd1 = 1.99, (Sds=1.426 for other parameters non-structural component anchorage no-cap) RESPONSE COEFFICIENT, Cs:

BASIC SEISMIC FORCE-RESISTING SYS: OMF, R = 3.5**ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE** BASE SHEAR PER 24X40 MODULE: WOOD FLOOR, LL ≤ 100, BASE SHEAR= 20.04 kip WOOD FLOOR, LL = 150, BASE SHEAR= 26.71 kip CONC. FLOOR, LL ≤ 100, BASE SHEAR= 26.07 kip

THIS PC HAS BEEN STRUCTURALLY DESIGNED TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM ALLOWABLE AREA IS BASED ON 10'-0" SETBACK FROM ASSUMED LINE

40 PER CALGREEN

PC DESIGNED AS A SINGLE-STORY MODULAR BUILDING SEE STRUCTURAL FOR SOIL TYPES & BEARING STRENGTHS WORK SHALL CONFORM TO TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS

THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USAGE EXTERIOR PROJECTIONS TO BE FIRE PROTECTED WHERE REQUIRED SEE A0.5 AND ENGERY CALC M-SHEETS FOR REQUIRED ENVELOPE ASSEMBLIES & HVAC SYSTEMS

ALL SPECIFICATIONS BASED ON PERFORMANCE AND ABLE TO BE SUBSTITUTED BY "EQUAL" PRODUCTS PENDING APPROVAL BY D.S.A. BUILDINGS TO COMPLY WITH WILDLAND URBAN INTERFACE GUIDELINES WHERE APPLICABLE

ARCHITECT OF RECORD SHALL PROVIDE FIRE ALARM DRAWINGS WITH

SITE ADAPTED PROJECTS. FIRE ALARM IS NOT PART OF THIS PC.

BUILDING AND SITE FEATURES MUST COMPLY WITH CALGREEN CODE FOR ITS SPECIFIC LOCATION WHEN ADAPTED FOR SITE-USE SHOULD THIS P.C. CLASSROOM BE DESIGNED TO CONNECT TO ANOTHER P.C. CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE WALL AND FLOOR-CEILING ASSEMBLY MUST MEET A MINIMUM STC OF

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITE(APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 6/29/2023

PROFESSIONAL STAMP



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ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: PC-128 IDENTIFICATION STAMP NVLSION OF THE STATE ARCHUPECT AC<u>RM</u> FLS EA SSR KER 07/19/2018

PROJECT TITLE

24' x 40' **EXPANDABLE TO** 120' x 40'

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for

construction is required. 555: G.CHM ELS: P. REPRIN Acs: R. Mullen PROJECT SPECIFIC STATE AGENCY APPROVAL IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT DATE MAR 11 7 2

Revision Schedule

Description

COVER SHEET

PROJECT NUMBER

17016A

DRAWN BY rMc/SC

CHECKED BY JA/RT

DATE 2018/03/08

SHEET NO.

SHEET OF SHEETS

ARCHITECTURAL

| 6 General Arch 1/4" = 1'-0" | itectur | al S | She | ets SENER | RAI AF | RCF | HTECTI | IRAL S | SHEETS | | | | | | | Shoot |
|---|--|------------|-----------|--|--------------------|--------------|---|--------------|---------------------|---------------------------------------|----------------------------|--------------|-------------|---------------------------------|------------|------------------|
| | | | | - mı Thai | = / \l | | | <u> </u> | | | | | | | | Sheet A0.0 |
| PROJECT OPTION | IS SCI | HED | DUL | E | | | W 144 - 144 | | | | | | | | | A0.0.1 |
| TYPICAL KEY PLA | N ANE |) S | CHE | DULE | , GEN | NO | TES | | | | | | | | | A0.1 |
| SIGNAGE AND SY | | | | | | | | | | | | | | | | A0.2 |
| DSA-103 T&I CON | | | | | <u> </u> | | | | | • | | | | | | A0.3 |
| DSA-103 T&I CONC CALGREEN SPEC | | E FL | LOC | ORS | <u>:</u> | | ALCOHOL TO THE TOTAL THE TOTAL TO THE TOTAL | | | | | | | | | A0.4 A0.5 |
| CALGREEN SPEC | | | | | | | | | | | | | | | | A0.5 |
| CALGREEN SHEE | | | | | : | | | | | | | | | | | A0.7 |
| 5 Floor Plan De | etails | | | ΔR | CHITE | CTI | JRAL FI | OOR | PI ANS | | | | | | | Chaot |
| 1/4" = 1'-0" | | - | | 1 | | <u> </u> | | LOOK | LANO | | | | | | | Sheet A1.0 |
| Floor Plans | | | | | or Plan or Plan | | | | | | | | | | | A1.1 |
| | | | | | or Plan | | | | | | | | | | | A1.2 |
| 1 Arch Floor Fr | aming | De | tails | | | | | OOR FI | RAMING [| DETAIL | S | | | | | |
| 1/4 = 1-0 | | | | 71110 | | | VILIE | 301(11 | | | | | | | | Sheet |
| X Wood Floor | | | | | | - | | | 1 | 2 | 3 | 4 | 5 | Т | 6 | A2.9 |
| ☐ Concrete Floor | | | | | | | | | 7 | 8 | 9 | 10 | 11 | | 12 | A2.9 |
| Wall Schedu | lle | | | | ARC | :HIT | ECTUE | RAL WA | ALL DETA | II S | | | | | | |
| 1/4" = 1'-0" | <u>, </u> | | | | 71110 | | | | etail | | | | | <u> </u> | | Sheet |
| ▼ Wood Stud | 12 | Do | oor | ML | Wind | low | Corner | | Top PLT | 6" SEP | 1-HR OP1 | 1 1-HR OPT 2 | EXT H | DR | INT HDR | Oneet |
| X Sheating | | 8 | | 2 3 4 | | | 1 | 16 | 17 | 5 | х | х | 10A | - | 10B | A2.1 |
| ☐ Plaster | | 8 | 9 | 3 4 | | | 1 | 16 | 17 | 5 | х | х | 10A | | 10B | A2.2 |
| ☐ 1-HR Sheating | | 8 | 9 | 2 3 4 | | | 1 | 16 | 17 | 5 | - | - | 10A | | - | A2.5 |
| ☐ 1-HR Plaster | | 8 | 9 | 2 3 4 | 5 11 | | 1 | 16 | 17 | 4 | - | - | 10A | \ | - | A2. |
| ☐ Metal Stud | s | 8 | 9 | 2 3 4 | 5 11 | | 4 | 10 | 16 | E | T | | 10A | + | 10B | A2.3 |
| Wood Sheating | | 8 | 9 | 2 3 4 | | | 1 | 10 | 16 16 | 5 5 | X | X | 10A 10A | | 10B 10B | A2.3 A2.4 |
| ☐ Wood Plaster☐ 1-HR Sheating | | 8 | 9 | 2 3 4 | | | 1 | 16 | 17 | 5 | - | | 10A | | - | A2.7 |
| □ 1-HR Plaster | | 8 | 9 | 2 3 4 | 5 11 | | 1 | 16 | 17 | 5 | - | - | 10A | | - | A2.8 |
| ☐ Additional Fire R | ating [| Deta | ails a | and No | tes | | | | | | | | | | | A3.0 |
| □ Single OCC. Bat | | | | and the second s | | | | | | | namena de l'écusion de com | | | and the same of the same of the | | A3.1 |
| Ceiling Plans 1/4" = 1'-0" | | | | ARCH | IITECT | UR | AL CEIL | ING P | LANS | | | | | | | Sheet |
| Reflected Ceiling | 7 24 | ' x 4 | 10' | I | 7 8 (2'x | <i>(</i> Δ') | Recess | ed Liah | nt Fixture | · · · · · · · · · · · · · · · · · · · | | | | | | A3.2 |
| Reflected Ceiling | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| (1'x16') Recessed Light | | | | | | | A3.2 | | | | | | | | | |
| □ 36' x 40' □ 12 (2'x4') Recessed Light Fixture | | | | | | | A3.2 | | | | | | | | | |
| ☐ 16 (1'x8') Pendant Light w/ 4 | | | | | | | 40.0 | | | | | | | | | |
| (1'x16') Recessed Light | | | | | | | | A3.2 A3.2 | | | | | | | | |
| ☐ 16 (2'x4') Recessed Light Fixture ☐ 18 (1'x8') Pendant Light w/ 4 | | | | | | | 710.2 | | | | | | | | | |
| | | | | | | | cessed | | T 44/ -T | | | | | | | A3.2 |
| Celing Notes | | | | | | | | | | | | | | | | A3.2.1 |
| Geiling Detail | s | | | | AR | CHI | TECTU | RAL C | EILING DI | ETAILS | | | | | | |
| Celing Framing | | | | | | | | | | | Det | tail | | | | Sheet |
| | | | | | | | | | Wall | | ists | Access | | | K'G | |
| XT-GRID | | | | | | | · · · · · · · · · · · · · · · · · · · | | SEE PLAI | | | | N S | | | |
| □ Wood | | | | | | | | | 1 6 | | 7 | 5 | _ | | /p 1 | A3.4 |
| ☐ MTL | | | | | | | | | 6 | | 7 | 10 | | 1 | 1 | A3.4 |
| 7 Roof Plans 1/4" = 1'-0" | · | | | | AF | RCH | HITECTU | JRAL F | ROOF PL | ANS | | | | | | |
| ⊠ Mono | | | | | | | | | | | | | | - | | Sheet |
| | | | | | | | | | □ EPDM | | | | | | | A4.2.1 |
| | | | | | | | | | ☐ Standir | - | n | | | | | A4.0.1 A4.4.1 |
| ⊒ Dual | <u> </u> | <u>.</u> | | | | | | | □ Parape | <u>L</u> | | | | | | , t.T.T. I |
| _ Duai | | | | | | | | | □ EPDM | | | | | | | A4.2.2 |
| | | | | | | | | | □ Standir | ng Sear | n | | | | | A4.0.2 |
| Roof Details | | | | | ΑF | RCF | HTECTI | JRAL F | ROOF DE | TAILS | - | | | | | |
| 1/4" = 1'-0" | <u></u> | ······ | | | - / \(\) | | | | | | а. | | | | | Sheet |
| ズ Mono | | | | | | | | | □ EPDM | | | | | | | A4.3 |
| | | | | | | | | | □ Standir | ng Sear | <u>n</u> _ | | : | | | A4.1 |
| | | | | | | | | | □ Parape | • | | | | | | A4.5 |
| ⊒ Dual | | | . <u></u> | | - | _ | | | | | | | | | | |
| | | | | | | | | | | | | | | | | A4.3 A4.1 |
| Arch Building | Section | on | | | | | | | □ Standir | ng Sear | n | | | | | A4. I |
| 8 1/4" = 1'-0" | | VII | | | AR | RCH | ITECTL | JRAL B | UILDING | SECTION | NC | | | | | |
| ∡ Mono | | | | | | | | | | | | | | | | Sheet |
| | | | | | | | | | □ EPDM | | | | | | | A6.3 |
| | | | | | | | | - | ☐ Standir | ng Sear | n | | | | | A6.0 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | • | | | | | | | |
| ⊒ Dual | | | | | | | | | | | | | | | | A6.1 |
| ⊒ Dual | | | | | | | | | □ EPDM □ Standir | na Sear | n | | | | | A6.1 A6.0.1 |

ARCHITECTURAL

| Exterior Elevations 1/4" = 1'-0" | ARCHITECTURAL EXT | ERIOR EI | EVATIO | ONS | | | |
|----------------------------------|-----------------------------|----------|--------|----------|-------|------|-------|
| | 1 | De | etail | Sheet | Def | tail | Sheet |
| Exterior Elevations: | ★ 24'x40' | Left | Right | | Front | Rear | |
| | tXMono Slope | 1 | 2 | A5.0 | 1 | 2 | A5.1 |
| | ☐ Parapet Roof - Mono Slope | 3 | 4 | A5.0 | 3 | 4 | A5.1 |
| | □ Dual Slope | 5 | 6 | A5.0 | 1 | 2 | A5.1 |
| | □ 36'x40' | | | | | , | |
| | ☐ Mono Slope | 1 | 2 | A5.0 | 5 | 6 | A5.1 |
| | ☐ Parapet Roof - Mono Slope | 3 | 4 | A5.0 | 7 | 8 | A5.1 |
| | ☐ Dual Slope | 5 | 6 | A5.0 | 5 | 6 | A5.1 |
| | ★ 48'x40' | | | | | | |
| • | © Mono Slope | 1 | 2 | A5.0 | 9 | 10 | A5.1 |
| | ☐ Parapet Roof - Mono Slope | 3 | 4 | A5.0 | 11 | 12 | A5.1 |
| | ☐ Dual Slope | 5 | 6 | A5.0 | 9 | 10 | A5.1 |
| 14) Interior Elevations | ARCHITECTURAL INTE | RIOR EL | EVATIO | NS | | | |
| | | | | D | etail | | Sheet |
| Interior Elevations: | | | Le | ft Right | Front | Rear | |
| | X 24'x40' | - | . 1 | 2 | 3 | 4 | A5.2 |
| | □ 36'x40' | | 1 | 2 | 5 | 6 | A5.2 |
| | ★ 48'x40' | | 1 | 2 | 8 | 7 | A5.2 |

| | | MEP | - | |
|-----------------------------|---------------------|---|--------------|-------------|
| 9 Plumbing 1/4" = 1'-0 |)" | PLUMBING | | Sheet |
| | ails and Schedules | | | P1.0 |
| 10 Mechanica 1/4" = 1'-0 | | MECHANICAL | Sh | eet |
| 1/4 - 1-0 | | | Ceiling Plan | Roof Plan |
| Mechanical | ★ 24' x 40' | □ Wall Mount | M5.1 | M5.2 |
| Plans: | ZZ-7 X-10 | ☐ Roof Mount | M5.1 | M5.2 |
| | □ 36' x 40' | □ Wall Mount | M6.1 | M6.2 |
| | | ☐ Roof Mount | M6.1 | M6.2 |
| | ★ 48' x 40' | □ Wall Mount | M7.1 | M7.2 |
| 1 | | ☐ Roof Mount | M7.1 | M7.2 |
| | □ 60' x 40' | ☐ Wall Mount | | |
| · | | ☐ Roof Mount | | |
| | □ 72' x 40' | □ Wall Mount | | |
| | | ☐ Roof Mount | | |
| | □ 84' x 40' | □ Wall Mount | | |
| | | ☐ Roof Mount | A | 0.1 |
| | □ 96' x 40' | □ Wall Mount | | |
| | | ☐ Roof Mount | | |
| | □ 108' x 40' | □ Wall Mount | | |
| | | ☐ Roof Mount | | |
| | □120' x 40' | □ Wall Mount | | |
| | | ☐ Roof Mount | | |
| (11) Electrical | | | Ch | o o t |
| <u> </u> | | ELECTRICAL | 311 | eet |
| Reflected Ceiling Plans: | ★ 24' x 40' | ☐ 8 (2'x4') Recessed Light Fixture | | - |
| Piaris. | | ☐ 12 (1'x8') Pendant Light w/ 4 | 5 4.0 | |
| | | (1'x16') Recessed Light | E1.0 | E1.1 |
| | □ 36' x 40' | ☐ 12 (2'x4') Recessed Light Fixture | | |
| | | ☐ 18 (1'x8') Pendant Light w/ 4 | F4.0 | -4 0 |
| | | (1'x16') Recessed Light | E1.2 | E1.3 |
| • | ⊠ (48' x 40' | ☐ 16 (2'x4') Recessed Light Fixture | | |
| | | ☐ 24 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light | E1.4 | E1.5 |
| · | | | L1.4 | L1.5 |
| | □ 60' x 40' | ☐ 20 (2'x4') Recessed Light Fixture | | |
| | | ☐ 30 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light | | |
| | □ 72' x 40' | | | |
| | L 72 X 40 | ☐ 24 (2'x4') Recessed Light Fixture ☐ 36 (1'x8') Pendant Light w/ 4 | | |
| | | (1'x16') Recessed Light | | |
| | □ 84' x 40' | ☐ 28 (2'x4') Recessed Light Fixture | | |
| | | ☐ 42 (1'x8') Pendant Light w/ 4 | | |
| | | (1'x16') Recessed Light | | |
| | □ 96' x 40' | ☐ 32 (2'x4') Recessed Light Fixture | | |
| | | ☐ 48 (1'x8') Pendant Light w/ 4 | | |
| | | (1'x16') Recessed Light | | |
| | □ 108' x 40' | ☐ 36 (2'x4') Recessed Light Fixture | | |
| | | ☐ 54 (1'x8') Pendant Light w/ 4 | | |
| | | (1'x16') Recessed Light | · | |
| | □ 120' x 40' | ☐ 40 (2'x4') Recessed Light Fixture | | |
| | | □ 60 (1'x8') Pendant Light w/ 4 | | |
| | | (1'x16') Recessed Light | | |
| 12 Fire Sprin | klers Plans | FIRE SPRINKLERS PLANS | | Sheet |
| | | | | FS-2 |
| ☐ Fire Sprinklers | Diawings. | Floor Plans Details | | FS-1 |
| <u> </u> | <u> </u> | Details | | 1 0-1 |

STRUCTURAL

| Foundations Plans 1/4" = 1'-0" | FOL | INDATION | |
|--|---------------|-------------------------|--------|
| □ Wood | | | Sheet |
| Foundation | | □ 24'x40' (50+15 PSF) | F1.11 |
| Plan: | | □ 24'x40' (100 PSF) | F1.21 |
| | | □ 24'x40' (150 PSF) | F1.31 |
| | | | , |
| | | □ 36'x40' (50+15 PSF) | F1.12 |
| | | □ 36'x40' (100 PSF) | F1.22 |
| | | □ 36'x40' (150 PSF) | F1.32 |
| | | | |
| | | □ 48'x40' (50+15 PSF) | F1.13 |
| | | □ 48'x40' (100 PSF) | F1.23 |
| | | □ 48'x40' (150 PSF) | F1.33 |
| ☐ Concrete Foundation Plan | | | F2.10 |
| General Structural Sheets 1/4" = 1'-0" | GENERAL STR | UCTURAL SHEETS | Sheet |
| STRUCTURAL GEN NOTES | | | S0.1 |
| Floor Framing Plans | STRUCTURAL FL | OOR FRAMING PLANS | |
| <u> </u> | OTTOOTOTALTE | OOK KAMING LANG | Sheet |
| □ Wood Sheating Floor: | | (FOL45 DOC) | S1.01 |
| Sileating Floor. | | ☐ (50+15 PSF) | S1.02 |
| | | □ (100 PSF) □ (150 PSF) | S1.03 |
| | | (150 FSF) | 01.00 |
| □ Concrete Framing Floor: | | □ (50+15 PSF) | S1.1.1 |
| | | □ (100 PSF) | S1.1.2 |
| | | □(150 PSF) | S1.1.3 |
| 19 Floor Framing Details | STRUCTURAL FL | OOR FRAMING DETAILS | Sheet |
| XWood Framing | | | S1.2 |
| □ Concrete Framing | · | | S1.2 |
| Roof Framing Plans | STRUCTURAL RO | OOF FRAMING PLANS | Sheet |
| ☑ Mono Slope Roof Framing | | | S3.0.1 |
| ☐ Dual Slope Roof Framing | | | S3.0.2 |
| 20 Wall Framing Details | STRUCTURAL WA | ALL FRAMING DETAILS | |
| <u>1/4" = 1'-0"</u> | | | Sheet |
| | | | S4.1 |
| ☐ Wall Details | | · | S4.2 |
| □ Metal: | | | |
| ☐ Framing Elevation | | | S4.0 |
| ☐ Wall Details | | | S4.3 |
| Typ Framing: | | | S4.4 |
| NEramina Schedule | | | S4.5 |
| Building Section 1/4" = 1'-0" | STRUCTURAL BI | UILDING SECTION | Sheet |
| Mono | | | S5.0 |
| □ Dual | | | S5.1 |

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

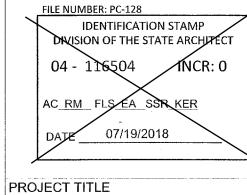
PROFESSIONAL STAMP



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ORIGINAL PC STATE AGENCY APPROVAL



24' x 40' **EXPANDABLE TO**

120' x 40'

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

Revision Schedule

Description

PROJECT OPTIONS SCHEDULE

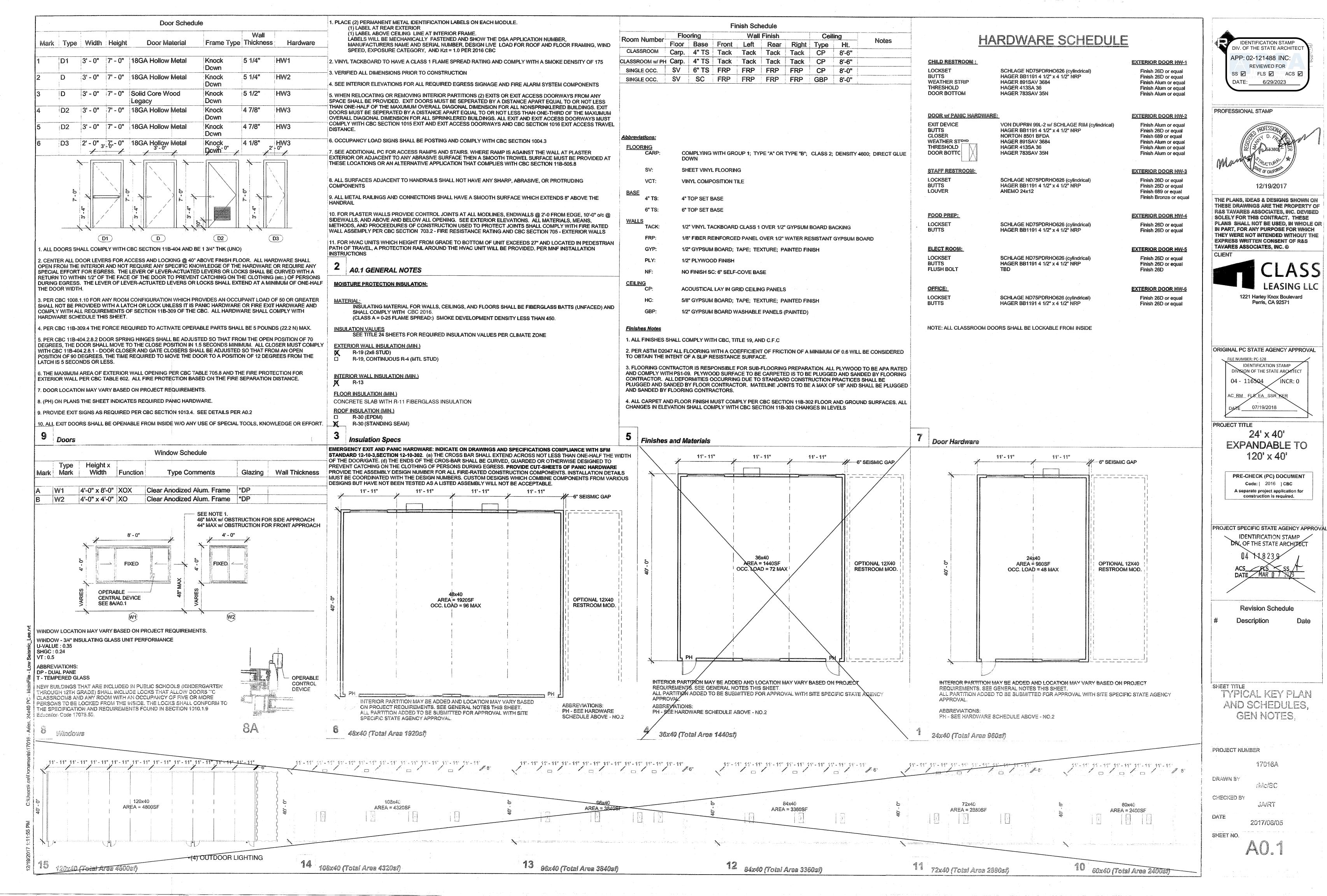
PROJECT NUMBER 17016A

DRAWN BY

CHECKED BY JA/RT

2018/03/08

SHEET OF SHEETS



When designing play components with manipulative or interactive features, consider appropriate reach ranges for children seated in wheelchairs. The following table provides guidance on reach ranges for children seated in wheelchairs. These dimensions apply to either forward or side reaches. The reach ranges are appropriate for use with those play components that children seated in wheelchairs may access and reach. Where transfer systems provide access to elevated play components, the reach ranges are not appropriate.

Children's Reach Ranges

| Forward or Side Reach Ages 3 and 4 | High (maximum) 36 in (915 mm) | Low (minimum) 20 in (510 mm) 18 in (455 mm) |
|---------------------------------------|----------------------------------|---|
| Ages 5 through 8 | 40 in (1015 mm) | , , |
| Ages 9 through 12 | 44 in (1120 mm) | 16 in (405 mm) |

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

1. Measured center to center.

GIRLS

ELEVATIONS

1/4" = 1'-0" Sign Notes

WEN

BOYS

702 Fire Alarm Systems 702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (2016 edition)

except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (2016 edition)

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703,2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background. 703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I". 703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter

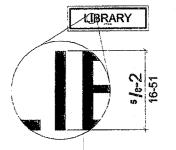


Figure 703.2.5 Height of Raised Characters

| table 118-703.2 Braille dimension | |
|---|---|
| DEASUREMENT GAME | Minimum in Inches L'akimum in Inches |
| Dot base diameter | 0.059 (1.5 mm) to 0.063 (1.6 mm) |
| Distance between two dots in the same cell | 0.109 (2.5 mm) |
| Distance between corresponding dots in adjacent cells | 0.369(7.6mm) |
| Det height | 0.025 (0.6 mm) to 0.037 (0.9 mm) |
| Distance between corresponding data from size cell directly below | 0.395 (10 mm) to 0.400 (10.2 mm) |

1/32" RAISED SYMBOLS CHEMICALLY WELDED TO ACRYLIC CORE (TYP)

PLASTIC LAMINATE FACE OVER ACRYLIC BACK

DEMARCATION LINE EITHER

RAISED AND CHEMICALLY

CORE OR ENGRAVED AND PAINT FILLED PER USER

LINE SIZE PER USER

NOTE: LETTERS REQ'D

CORNER TREATMENT

GRADE II BRAILLE BEADS

(EITHER SQUARE OR RADIUS) PER

RAISED 1/32"

MARGIN AREA

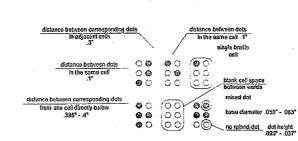
703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.



703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

Figure 703.3.1 Braille Measuremen

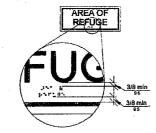


Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

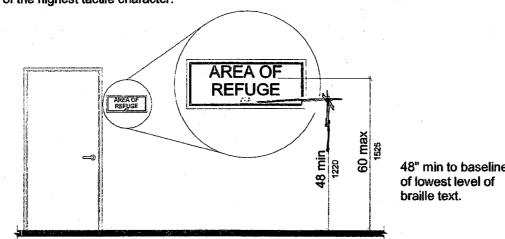


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

1/32" RAISED TEXT PAINT-FILLED TEXT IF PREFERRED

PLASTIC LAMINATE FACE

DEMARCATION LINE EITHER RAISED AND CHEMICALLY WELDED TO ACRYLIC

CORE OR ENGRAVED AND PAINT FILLED PER USER

MOUNTING TAPE

SILICONE ADHESIVE

MOUNTING TAPE

PREFERENCE. LINE SIZE PER USER

GRADE II BRAILLE BEADS RAISED 1/32"

END VIEW

CORNER TREATMENT

(EITHER SQUARE OR RADIUS) PER

PARENT

GYMNASIUM

OVER ACRYLIC BACK

MARGIN AREA

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

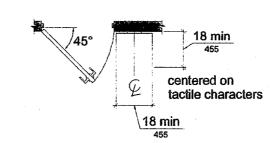


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

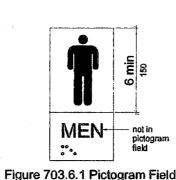
703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

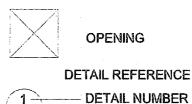
703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.



dark-on-light.



CONCRETE

MASONRY

EARTH

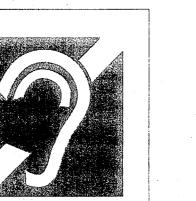
SECTION REFERENCE - SECTION LABEL - PAGE NUMBER

- PAGE NUMBER

CONTINUOUS WOOD WOOD BLOCKING

0.00' FIN. FLR. ELEV. BOTTOM OF FOOTING ELEVATION

S-S STEPPED FOOTING



1/4"=1'-0"

UNISEX AND GENDER NEUTRAL RR.

DOOR SYMBOLS: CIRLCLE & TRIANGLE1/4" THICK. 1/4" THICK TRIANGLE SHALL BE

SUPERIMPOSED OVER 1/4" THICK CIRCLE AT

ASSISTIVE LISTENING SYSTEM AVAILABLE - PLEASE ASK -

REQUIRED PER 11B-219 & 11B-706 (SEE FLOOR PLANS FOR MORE INFO)

MAXMUM OCCUPANCY

OCCUPANT LOAD SIGN REQUIRED PER DSA BU11-08.

EVERY ROOM OR SPACE WHICH IS USED FOR ASSEMBLY, CLASSROOM, **DINING OR SIMILAR PURPOSES HAVING** AN OCCUPANT LOAD OF 50 OR MORE SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY

> NOTE: TACTILE SIGN TEXT SHALL BE CENTERED 18"

CLEAR FROM STRIKE OF

PERSONS

24' x 40' **EXPANDABLE TO**

120' x 40' PRE-CHECK (PC) DOCUMENT Code: | 2016] CBC A separate project application for

> PROJECT SPECIFIC STATE AGENCY APPROVA IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT DATE MAR 0.7

construction is required.

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

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1221 Harley Knox Boulevard

Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHIPECT

√NCR: 0

04 - 116504

PROJECT TITLE

AC RM FLS EA SSR KER

07/19/2018

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APP: 02-121488 INC:

PROFESSIONAL STAMP

Revision Schedule Description

SHEET TITLE SIGNAGE AND

SYMBOLS

PROJECT NUMBER

17016A DRAWN BY

rMc/SC CHECKED BY

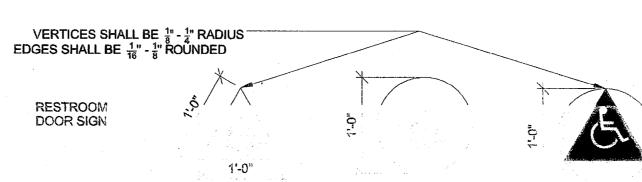
JAVRT DATE

2017/06/05 SHEET NO.

RESTROOM WALL SIGN MEASURED FROM F. F. TO BOTTOM OF TACTILE LETTERING VERTICES SHALL BE $\frac{1}{8}$ - $\frac{1}{4}$ " RADIUS EDGES SHALL BE $\frac{1}{16}$ " - $\frac{1}{8}$ " ROUNDED

EXIT

ROOM



1. CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MIN. AND SHALL BE SANS SERIF UPPERCASE CHARACTERS. ACCOMPANIED BY GRADE 2

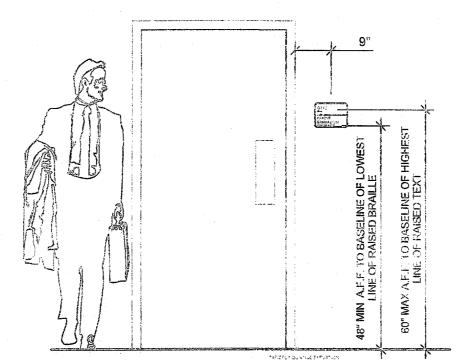
MULTIPURPOSE

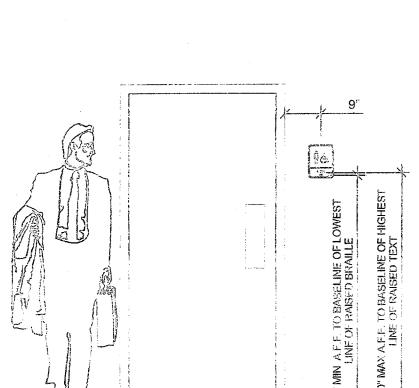
2. RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUM OF 2 INCHES HIGH

3. CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. 11B-703-5.1.

4. TRIANGLE OR CIRCLE SMALL CONTRAST WITH DOOR. EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. 11B-703.7:2.6.1 AND 11B-703.2.2.6.2

5. CHARACTERES ON SIGN SHALL HAVE A WIDTH-TO HEIGHT RATIO OF BETWEEN 3:5 AND 1.1:1 AND A STROKE WIDTH TO HEIGHT RATIO OF BETWEEN 1:5 AND 1:10. SEE 11B.703.2.4





1/2" = 1'-0" Signage

| فنين | | | | | |
|------|---|---|-----------|-----------|---|
| 7 | 4 | U | 5 | A | |
| | | | THE STATE | ARCHITECT | S |

2013 CBC.

7 OTHER

DSA-103 Issued 12/30/2016 List of Required Structural Tests & Special Inspections - 2016 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007, 2010, and

NSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests and inspections finally selected. For more information on use of this form, see DSA-103.INSTR.

| | Note: References are to the 20 | or a comon or the C | | uilding Code (CBC) unless otherwise noted. |
|----------|---|---------------------|------------|--|
| | TEST OR SPECIAL INSPECTION | zze | PERFORM | CODE REFERENCE AND NOTES |
| * | soils | | \ 64. Q4 | |
| | | Table 1705A 3 | ACI 318-1/ | 4 Sections 26.12 & 26.13 |
| 3- | CONCRETE | , | | SCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530.1-13/ASCE 6-13 Table 5 |
| b | MASONRY | | | |
| - | STEEL, ALUMINUM | | | 3-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI S100-07/S2-10 |
| - | 17. STRUCTURAL STEEL, COLD-FORMED ST | EEL, AND ALL | JMINUN | USED FOR STRUCTURAL PURPOSES |
| | Material Verification: | | | • . |
| X. | a. Verify identification of all materials and: • Will certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements. | Periodic | | 2203A.1 (2203.1*), Table 1705A.2.1 Item 3a-3c; AISI S100-07/S2-10 Section A2.1 & A2.2, AISI S200-12 Section A3, AISI S220-11 Section A4. * By special inspector or qualified technician when performed off-site. |
| X | b. Test unidentified materials | Test | LOR | 2203A.1 (2203.1 ⁺). |
| | c. Examine seam welds of HSS shapes | Periodic | SI | DSA IR 17-3. |
| | Inspection: | | <u> </u> | |
| | d. Not used. | | | |
| 22 | Verify and document steel fabrication per DSA epproved construction documents. | Periodic | SI | Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4). |
| ÷ | 18. HIGH STRENGTH BOLTS: | RCSC 2009 | | |
| - | 19. WELDING: | | | 1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structurel steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.) |
| | Verification of Materials, Equipment, Welders, etc: | | | |
| Z | Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS. | Periodic | SI | DSA IR 17-3. |
| X | Verify weld filler material manufacturer's certificate of compliance. | Periodic | SI | DSA IR 17-3. |
| X | c. Verify WPS, welder qualifications and equipment. | Periodic | SI | DSA IR 17-3. |
| - | 19.1 SMOP WELDING: | | | |
| N. | Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds | Continuous | SI | Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3. |
| XX | b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds | Periodic | SI | 1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6. Per AISC 360-10 (and AISC 341-10 as applicable DSA IR 17-3. |
| v | c. Inspect welding of stairs and railing systems. | Periodic | SI . | 1705A.2.1. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. |
| | d. Verification of reinforcing steel weldability other than ASTM A706 | Periodic | SI | 1705A.3.1; verify carbon equivalent reported on mill certificates. AWS D1.4. DSA IR 17-3. |
| | e. Inspect welding of reinforcing steel. | Continuous | Si | 1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8. AWS D1.4. DSA IR 3. |
| | 19.2 FIELD WELDING: | | | |
| - | 20. NONDESTRUCTIVE TESTING: | 74 | 100 | 1705A.2.1 & 1705A.2.5. AISC 360-10 N5.5, AISC 341-10 App. Q 5.2. AWS D1.1, D1.8. ANSWA |
| <u>V</u> | a. Ultrasonic | Test Test | LOR | T705A.2.1 & 1705A.2.5. AISC 360-10 No.5, AISC 341-10 App. Q 5.2. AWS D 1.1, D 1.6. ANSWAY CP-189, SNT-TC-1A. DSA IR 17-2. |
| X | b. Magnetic Particle c. | Test | LOR | |
| \dashv | d. | Test | LOR | |
| * | 21. Steel Joists and Trusses: | | | |
| · | 22. SPRAY APPLIED FIRE-PROOFING: | | | |
| - | 23. ANCHOR BOLTS, ANCHOR RODS, & OTH | ER STEEL: | | |
| | a. Anchor Bolts and Anchor Rods | Test | LOR | IR 17-11 Sample and test anchor bolts and anchor rods not reedily identifiable. Sample and test threaded rods not readily identifiable per procedures noted in IR 17-11 |
| 1 | b. Threaded rod not used for foundation anchorage. | | LOR | |

THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSE ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING.

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| \ | BEPA | DS OMSKONOF THE STATE ALL REVERY OF GENERAL SEA | List of Requ | ired Structural T ections - 2016 | | INCREMENT# ## Date Submitted: | DSA File No.: Application No.: | ## Revised: # | |
| | Sonool Name | | | | District | | | | / |
| | inspector this of Record perform identification for the project not limited by the per Tit | tions required for the projections are those that will be odd, or Special Inspector. The discussion of | r a summary list of structural tests ject. Generally, the structural tests be performed by the Geotechnical. The actual complete test and insignal supproved documents. The app. DSA requirements for special inspection of all facet on the supproved in the supprov | and special inspections noted Engineer of Record, Laboratory pection program must be endix at the bottom of this form ection or structural testing. The is of construction, including but structural wood framing, high- non-structural components, etc., | special depend your se can be "COMP | JCTIONS: Click a plus sign (+) be inspections. A shaded box indicating on the scope of the construction of that test. Note: A min collapsed. However, any selection ILE" button to show only the tests this form, see DSA-103.INSTR. | tes a test or special inspect on and other issues. A sha us (-) on a category or sut s you may have made will | ction that may be required, ded box can be clicked indic acategory heading indicates be cleared. Click on the | ating that it |
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| | - | SOILS \ | | | | | | | |
| | <u> </u> | 1. GENERY | <u>\L:</u> | Table 1705/ | 1.6 | | | / | |
| | X | fill and/or excavatio foundation excavation reached proper ma | ons are extended to proper depth and | i have Periodic | GE* | * By geotechnical engineer or his or | her qualified representative. | See Appendix for exemptions |) |

| See Name See Na | nomed as detailed on the DSA approved documents. The appendix at the bott entifies work NOT subject to DSA requirements for special inspection or structure oject inspector is responsible for providing inspection of all facets of construction. | ral testing. The n, including but | "COMP | collapsed. However, any selections you may have made will be cleared. Click on the PILE" button to show only the tests and inspections finally selected. For more information on this form, see DSA-103.INSTR. |
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| Management of sources | c. During concrete placement, fabricate specimens for strength | | | |
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| Procise special impediation per STERL censes/y 19 116 6 p) and/or 192(p) 6 m) below. | | See Notes | SI | Default of 'Continuous' per 1705A.3.3; If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1 or eliminated per 1705A.3.3.2. (See |
| p. Not coad. h. Widding of entitlocing deset. Provide special inspection per STEEL, category 18 1/81 & (p) and/or 18-2(p) & (p) below. 8. PRESTRESSED CONCRETE (in addition to Cast in Place Concrete tests and inspections): 19. PRECAST CONCRETE (in addition to Cast in Place Concrete tests and inspections): 19. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections): 19. PRECAST CONCRETE; 19. Inspection of policy studied anchose 19. The precision of policy studied anchose of policy studied anch | | | | |
| L Not stand. 8. PRECADE CONCRETE (in addition to Cast in Place Concrete tests and inspections): 10. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections): 11. POST-BISTALED ANCHORS: 11. POST-BISTALED ANCHORS: 12. In Precade tests and inspections): 13. SHOPPING In addition of post-bistaled anchose 14. To Post-BISTALED ANCHORS: 15. To Post-BISTALED ANCHORS: 16. To Post-BISTALED ANCHORS: 17. TO Post-BISTALED ANCHORS: 18. To Post-BISTALED ANCHORS: 19. Well post-BISTAL | | | | <u> </u> |
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| 9. PRECAST CONCRETE (in addition to Cast in Place Concrete feets and infeperations): 10. SHOTCRETE (in addition to Cast in Place Conference teets and infeperations). 11. POST-HISTALLED ANCHORS: 2. Inspecial installation of prach-healted anchors. 2. Inspecial installation of prach-healted anchors. 3. Inspecial installation of prach-healted anchors. 3. Tript (1007) 1 (John 2011) 1 (2007) 1 (John 2011) 1 (Jo | | \ \\ | <u> </u> | |
| 1. POST-INSTALLED ANCHORS: a. Inspect installation of post-installed enrhors Selt Notes By Table 1786-A 18em 49 (Continuous) & 46 (Periodic) (see Appendix for examples/orp.) AG Seglecter 17.8 a 26.11 - 16th pt a periodic displace of the periodic respective when specificarly apper MASONRY Table 4786-A 18em 49 (Continuous) & 46 (Periodic) (see Appendix for examples/orp.) AG MASONRY Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG MASONRY Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 Appendix for examples/orp.) AG Table 4786-A 18em 49 (Anti-10 Sept-11 | 9. PRECAST CONCRETE (in addition to Cast in | n Place Conc | rete test | ts and inspections): |
| b. Trags potentiaties anchors. 12. OTHER CONCRETE: MASONRY TIS 902-1/4/CI 394-1/3/CIG 294-1/3/CIG 294 | | ondrete tests | and ins | pections): |
| 12. OTHER CONCRETE; MASONY Table 1798.4, 21, ABC / Sec. 14, 2015 1.3, 2 TRS 692-13/ACR 598-1-13/ACR 598-1-13/ | a. Inspect installation of post-installed anchors | See Notes | Si* | Table 1705A.3 Item 4a (Continuous) & 4b (Periodic) (see Appendix for exemptions). ACI 318-14 |
| ### STREEL, ALUMINUM ### Table 1765.21, A JASO (\$6-91. A JASO (\$6-91. A JASO (\$6-91. A JASO (\$6-91. A) A TISS 662-1/3/AC 258-1-1, 3/ASO (\$6-91. A) A TISS 662-1/3/AC 258-1-1, 3/ASO (\$6-91. A) A STREEL, ALUMINUM ### Table 1765.21, A JASO (\$6-91. A) ASO (\$6-91. A) | | Test | LOR | |
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| registerents, - Material State, types and graded comply with requirements D. Test undertriblied materials - D. Test undertriblied materials - Event under document about fair facilities - Evently und document about fair facilities - Evently und document about fair facilities - Evently und document about fair fair fair fair fair fair fair fair | Verify identification of all materials end: Mill certificates indicate material properties that comply with | | IX. | 2203A.1 (2203.1*), Table 1705A.2.1 Item 3a-3c; AISI S100-07/S2-10 Section A2.1 & A2.2, AISI S20 |
| c. Examilter seam welds of HSS shapes Inspection: d. Not used. e. Verify and document steel fabrication per DSA approved constitution of content of the decimal steel fabrication per DSA approved constitution documents. 18. HIGH STRENGTH BOLTS: 19. WELDING: Verification of Materials, Equipment, Welders, etc: a. Verify weld filter material identification markings per AVS designation listed in the DSA approved adounted and the WPS. b. Verify weld filter material identification markings per AVS designation listed on the DSA approved adounted and the WPS. b. Verify weld filter material identification markings per AVS designation listed on the DSA approved adounted and the WPS. b. Verify well filter material identification markings per AVS designation listed on the DSA approved adounted and the WPS. b. Verify well filter material identification markings per AVS designation listed on the DSA approved adounted and the WPS. b. Verify well filter material identification markings per AVS designation and exulprenet. Periodic SI DSA IR 17-3. 19.1 SHOP WELDING: 19.1 SHOP WELDING: c. Inspect wellding of stairs and railing systems. Periodic SI Table 1708A.2.1 https://dx.1 https://dx | requirements, - Material sizes, types and grades comply with requirements. | Periodic | | |
| d. Not used. a. Verify and document steel fishification per DSA approved construction. b. Verify and document steel fishification per DSA approved provided to continuous construction. c. Verify and documents. c. Verify weld filter material identification markings per AWS designation idea of intelligence and the WPS. b. Verify weld filter material identification markings per AWS designation idea of the DSA approved documents and the WPS. b. Verify weld filter material identification markings per AWS designation idea of the DSA approved documents and the WPS. b. Verify weld filter material identification markings per AWS designation idea of the DSA approved documents and the WPS. b. Verify weld filter material identification and equipment. c. Verify weld filter material identification and equipment. c. Verify weld requisitations and equipment. periodic si DSA IR 17-3. DSA IR 17-3. DSA IR 17-3. DSA IR 17-3. c. Inspect grozew welds, multi-pass filter wides, single pass filter continuous welds. AWS D1-4 Set Approach Set of the Set Of Set Approach Set of the Set Of Set Approach Se | | | | |
| e. Verify and document steel fibritication per DSA approved construction documents. 18. HIGH STRENGTH BOLTS: 19. WELDING: Verification of Materials, Equipment, Welders, etc: A Verify and discribing interested in destination markings per AWS designation listed on the DSA approved documents and the WPS. B Verify well discribing in the DSA approved documents and the WPS. Verification of Materials, Equipment, Welders, etc: A Verification well of the DSA approved documents and the WPS. Perfodic SI DSA IR 17-3. 19.1 SHOP WELDING: A Inspect grows wells, multipass field welds, single pass fillet wells a S10°C, Boar and raining systems. Perfodic C Inspect winding of stains and raining systems. Perfodic A Verification of reinforcing steel welddability other than ASTM A706 Perfodic A Inspect grows wells, multipass fillet wells and an interest wells and an interest wells. A Inspect grows wells, multipass fillet wells and an interest wells. A Inspect grows wells, multipass fillet wells and an interest wells. Conditionus SI Table 1705A.2.1 Herm Sa1-4. Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & DSA IR 17-3. 19.2 FIELD WELDING: A Inspect grows wells, multipass fillet wells and an interest wells. A Inspect grows wells, multipass fillet wells and an interest wells. Conditionus SI Table 1705A.2.1 Herm Sa1-4. Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3. 19.2 FIELD WELDING: A Inspect drows wells, multipass fillet wells and an interest well and an interest w | | - / - | $\overline{}$ | V |
| 19. WELDING: Verification of Materials, Equipment, Wolders, etc: A Verify well firm raterial identification markings per AWS designation listed on the DSA approved documents and the WPS. Perfodic ormition well firm raterial identification markings per AWS designation listed on the DSA approved documents and the WPS. Perfodic SI DSA IR 17-3. SI DSA IR 17-3. SI DSA IR 17-3. 19.1 SHOP WELDING: 19.2 First order of a state of the well of t | e. Verify and document steel fabrication per DSA approved | Periodic | SI | Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4). |
| Verification of Materials, Equipment, Welders, etc: Appenda for exemptions) Verification of Materials, Equipment, Welders, etc: Appenda for exemptions) DSA IR 17-3. DSA IR 17-3. DSA IR 17-3. 19.1 SHOP WELDING: a. Inspect qualification and equipment. Periodic Inspect qualification and equipment. Periodic Inspect welding of stains and railing systems. Periodic Inspect welding of stains and railing systems. Periodic Inspect welding of reinforcing steel weldability other than ASTM A706 Periodic Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel. Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel. Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel. Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of reinforcing steel. Inspect welding of reinforcing steel weldability other than ASTM A706 Inspect welding of steel weldability other than ASTM A706 Inspect welding of reinforcing steel. Inspect welding of reinforcing steel. Inspect w | construction documents. | | | |
| Verlifeation of Materials, Equipment, Welders, etc: A. Verlifeation isseld on the DSA approved documents and the WPS. A verlifeation isseld on the DSA approved documents and the WPS. DSA IR 17-3. DSA IR 17- | 19. WELDING: | | | AWS 21.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See |
| designation listed on the DSA approved documents and the WPS. b. Verify weld filter material manufacturer's criticate of compliance. verify WPS, wider qualifications and equipment. Periodic 19.1 SHOP WELDING: a. Inspect prove welds. multipass filled welds, single pass filled welds. Single pass filled welds of Sf16", plug and sid welds b. Inspect single-pass filled welds of Sf16", filter and single systems. c. Inspect welding of stairs and railing systems. d. Verification of reinforcing steel weldability drief than ASTM A706 Pariodic single-pass filled welds. continuous single-pass filled welds. single-pass filed welds. single-pass filed welds, single pass filed welds. continuous single-pass filed welds, single pass filed welds, single pass filed welds. single-pass filed welds, single pass filed welds. single-pass filed welds, single pass filed welds. single-pass filed welds of Sf16", plug and sidd welds continuous single-pass filed welds, single pass filed welds. single-pass filed welds, single pass filed welds. single-pass filed welds of Sf16". Periodic single-pass filed welds, single pass filed welds. single-pass filed weld. single-pass filed wel | | | | Appendix for exemptions.) |
| c. Verify MPS, wetter qualifications and equipment. 19.1 SHOP WELDING: a. Inspect growe welds, multi-pass fillet welds, single pass fillet welds of 51°C, plug and six welds b. Inspect single-pass fillet welds single pass fillet c. Inspect welding of stairs and railing systems. Periodic c. Inspect welding of stairs and railing systems. Periodic d. Verification of reinforcing steel weldability other than ASTM A708 Periodic si 1705A.2.1 https 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. Inspect welding of stairs and railing systems. Periodic si 1705A.2.1 https 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. Inspect welding of reinforcing steel. Continuous si 1705A.3.1 https 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. Inspect welding of reinforcing steel. Continuous si 1705A.2.1 https 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.4 DSA IR 17-3. Inspect welding of reinforcing steel. Continuous si 1705A.2.1 https 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.4 DSA IR 17-3. Inspect welding of reinforcing steel. Continuous si 1705A.2.1 https 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3. Inspect welds single-pass fillet welds, single pels fillet welds > 51°E, plug and six welds b. Inspect weld studis (ASTM A-108) installation (including bend test) Periodic si 1705A.2.1 https 5a.2 https://doi.org/10.1001/10.1 | designation listed on the DSA approved documents and the WPS. | Periodic | SI | |
| 19.1 SHOP WELDING: a. Inspect growerds, multi-pass filled welds, single pass filled welds > 5/16°, plug and dark welds 5/16°, plug and sele weldability other than ASTM A706 5/10°, plug and selection and and selection and selection and selection and selection and selec | compliance. | | | |
| wilds > 5/16*, plug and slot wields b. Inspect single-pass fillet welds 5/16*, floor and roof deck welds c. Inspect welding of stairs and railing systems. d. Verification of reinforcing steel weldsbillty other than ASTM A706 Periodic SI 1765A.2.1. Per AISC 380(10 (and AISC 341-10 as applicable). AWS D1.1. & D1.3. DSA IF 17-3. d. Verification of reinforcing steels weldsbillty other than ASTM A706 Periodic SI 1765A.2.1. Per AISC 380(10 (and AISC 341-10 as applicable). AWS D1.4. & DASA IR 17-3. d. Verification of reinforcing steels weldsbillty other than ASTM A706 Periodic SI 1765A.2.1. Per AISC 380(10 (and AISC 341-10 as applicable). AWS D1.4. & DASA IR 17-3. 19.2 FIELD WELDING: a. Inspect welding of reinforcing steels. Continuous SI Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3. b. Inspect single-pass fillet welds s 5/16*; Pugu and sids welds Continuous SI Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3. c. Inspect and-welded studs (ASTM A-108) installation (including bend test) d. Inspect floor and roof deck welds Periodic SI 213A.2 (2212.6.2*); per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1. DSA IR 17-3. Linspect welding of stairs and railing systems Periodic SI 1705A.2.1 Item 5a.5. Per AISC 360-10 (and AISC 341-10 as applicable). BAS IR 17-3. AISC 360-10 (and AISC 341-10 as applicable). BAS IR 17-3. Linspect welding of stairs and railing systems Periodic SI 1705A.2.2 (2212.6.2*); per AISC 360-10 (and AISC 341-10 as applicable). BAS IR 17-3. Inspect welding of reinforcing steel weldsbilly Periodic SI 1705A.2.3 (ANS D1.3. * Nay be performed by the project inspector when specifically approved by D1.3 (ANS D1.1 & D1.3. D1.3 (ANS D1.1 & D | 19.1 SHOP WELDING: | Leitodic | 1 31 | 120.11.11.0. |
| c. inspect welding of stairs and railing systems. d. Verification of reinforcing steel weldability other than ASTM A706 e. Inspect welding of reinforcing steel weldability other than ASTM A706 e. Inspect welding of reinforcing steel. Continuous SI 1795A.3.1; verify carbon equivalent reported on mill certificates. AWS D1.4. DSA IR 17-3. 19.2 FIELD WELDING: a. Inspect grow welds, multi-pass fillet welds, single pyss fillet welds > 5/16°, plug and slot welds b. Inspect single-pass fillet welds > 5/16°, plug and slot welds c. Inspect end-welded stude (ASTM A-108) installation (including bend test) d. Inspect floor and roof deck welds e. Inspect floor and roof deck welds e. Inspect floor and roof deck welds e. Inspect swelding of stairs and railing systems e. Inspect swelding of stairs and railing systems Periodic f. Inspect grow welds, multi-pass fillet welds 5/16° provided and AISC 341-10 as epplicable). DSA IR 17-3. d. Inspect grow welds, multi-pass fillet welds 5/16° provided and AISC 341-10 as epplicable). DSA IR 17-3. d. Inspect grow welds, multi-pass fillet welds 5/16° provided and AISC 341-10 as epplicable). DSA IR 17-3. d. Inspect floor and roof deck welds Periodic SI 1785A.2.1 tem 5a.5 per AISC 360-10 (and AISC 341-10 as epplicable). DSA IR 17-3. d. Inspect floor and roof deck welds Periodic SI 1785A.2.2 Table 1795A.2.1 tem 5a.6 per AISC 360 (and AISC 341 as applicable) & AV DSA IR 17-3. Inspect grow welds, multi-pass fillet welds 5/16° provided by the project inspector when specifically approved by DSA IR 17-3. Inspect welding of stairs and railing systems Periodic SI 1785A.2.1 per AISC 360-10 (and AISC 341-10 as epplicable). AWS D1.1 & DSA IR 17-3. Inspect welding of reinforcing steel weldshiply Periodic SI 1785A.2.1 per AISC 360-10 (and AISC 341-10 as epplicable). AWS D1.1 & DSA IR 17-3. Inspect welding of reinforcing steel weldshiply Periodic SI 1785A.2.1 per AISC 360-10 (and AISC 341-10 as epplicable). AWS D1.1 & DSA IR 17-3. Inspect welding of reinforcing steel weld | welds > 5/16", plug and slot welds | | | Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3. |
| d. Verification of reinforcing steel weldability other than ASTM 706 Periodic o. Inspect welding of reinforcing steel. Continuous SI 1705A.3.1; verify carbon equivalent reported on mill certificates. AWS D1.4. DSA IR 17-3. 19.2 FIELD WELDING: a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 516°. Plag and sold welds > 516°. Periodic c. Inspect single-pass fillet welds (ASTM A-108) installation (including bend test) d. Inspect floor and roof deck welds Periodic e. Inspect welding of structural cold-formed style! Periodic f. Inspect welding of structural cold-formed style! Periodic SI 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3. Inspect welding of structural cold-formed style! Periodic SI 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 and 1705A.2.1 Item 5a.6 per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3 | | | | DSA IR 17-3. |
| e. Inspect welding of reinforcing steel. 19.2 FIELD WELDING: a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16°, plug and slot weld slot slot slot slot slot slot slot slot | | | <u> </u> | 1705A.2.1. Per AISC 360 10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. 1705A.3.1; verify carbon equivalent reported on mill certificates. AWS D1.4. DSA IR 17-3. |
| a. Inspect groove welds, multi-pass fillet welds, single pess fillet welds > 5/16°, plug and slot welds b. Inspect single-pass fillet welds 5/16° c. Inspect end-welded studs (ASTM A-108) installation (including bend test) d. Inspect floor and roof deck welds d. Inspect floor and roof deck welds e. Inspect welding of structural cold-formed styel e. Inspect welding of structural cold-formed styel f. Inspect welding of structural cold-formed styel e. Inspect welding of structural style f. Inspect welding of stairs and railing systems f. Inspect welding of stairs and railing systems g. Verification of reinforcing steel weldability periodic g. Verification of reinforcing steel weldability f. Inspect welding of reinforcing steel continuous g. Verification of reinforcing steel continuous g. Ver | | ~~ | | 1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8. AWS D1.4. DSA IR 17- |
| welds > 5116", plug and slot welds b. Inspect single-pass fillet welds s 5/16" C. Inspect end-welded studs (ASTM A-108) installation (including bend test) d. Inspect floor and roof deck welds Periodic SI 2213A.2 (2212.6.2"), per AISC 360-10 (and AISC 341-10 as epplicable). DSA IR 1705A.2.2, Table 1705A.2.1 Item 5a.6, per AISC 360-10 (and AISC 341-10 as epplicable). AWS D1.1. DSA IR 1705A.2.2, Table 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.1. DSA IR 1705A.2.2, Table 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341 as applicable). AWS D1.1. DSA IR 1705A.2.2, Table 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341 as applicable). AWS D1.1. DSA IR 1705A.2.2, Table 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341 as applicable). AWS D1.1. BDSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341 as applicable). AWS D1.1. BDSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341 as applicable). AWS D1.1. BDSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.1. BDSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.1. BDSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.1. BDSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341-10 as epplicable). AWS D1.3. DSA IR 1705 | a. Inspect groove welds, multi-pass fillet welds, single pass fillet | Continue | 61 | Table 1785A 2 1 Hom 5-4.4 Det AICC 260.40 (and AICC 244.40 on confertion DOA ID 47.5 |
| c. Inspect end-welded studs (ASTM A-108) installation (including bend test) d. Inspect floor and roof deck welds e. Inspect welding of structural cold-formed style! f. Inspect welding of stars and railing systems periodic g. Verification of reinforcing steel weldability periodic g. Verification of reinforcing steel. Continuous SI Tost LOR 1705A.2.1 & 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 DSA BAJER 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.5. AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3 DSA IR 17-3. Tost LOR 1705A.2.1. Tost 1.0 AIR 17-3. Tost 1.0 CP-189, SNT-TC-1A. DSA IR 17-2. Tost LOR 21. STEEL JOISTS AND TRUSSES: 22. SPRAY APPLIED FIRE-PROOFING: 23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL: a. Anchor Bolts and Anofor Rods Tost LOR IR 17-11 Sample and test anchor bolts and anchor rods not readily identifiable. b. Threaded rod not used for foundation anchorage. Tost LOR Sample and test threaded rods not readily identifiable per procedures noted in IR 17-11 | welds > 5/16", plug and slot welds | | <u> </u> | Table 1705A.2.1 Item 5a.4. Pet AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3. Table 1705A.2.1 Item 5a.5. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3. |
| e. Inspect welding of structural cold-formed steel Periodic Inspect welding of structural cold-formed steel Inspect welding of structural cold-formed steel Inspect welding of stairs and railing systems Inspect welding of stairs and railing systems Inspect welding of stairs and railing systems Inspect welding of reinforcing steel weldability Periodic Inspect welding of stairs and railing systems Inspect welding of stairs and railing systems Periodic Inspect welding of stairs and railing systems Inspect welding of reinforcing steel weldability Inspect welding | | Periodic | SI | 2213A.2 (2212.6.2*); per AISC 360-10 (and AISC 341-10 as eppticable), AWS D1.1. DSA IR 17-3. |
| f. Inspect welding of stairs and railing systems g. Verification of reinforcing steel weldability h. Inspect welding of reinforcing steel. Continuous SI To5A. 2.1; Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. *May be performed by the project inspector when specifically approved by D 1705A.3.1; verify carbon equivalent reported on hall certificates. DSA IR 17-3. h. Inspect welding of reinforcing steel. Continuous SI To5A.3.1, Table 1705A.3.1; verify carbon equivalent reported on hall certificates. DSA IR 17-3. AUItrasonic IT05A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8. AWS D1.4. Item 5b. AWS D1.4. Item 5b. 1903A.8. AWS D1.4. It | d. Inspect floor and roof deck welds | Periodic | SI | |
| g. Verification of reinforcing steel weldability periodic g. Verification of reinforcing steel weldability periodic g. Verification of reinforcing steel weldability periodic si 1705A.3.1; verify carbon equivalent reported on viill certificates. DSA IR 17-3. h. Inspect welding of reinforcing steel. Continuous si 1705A.3.1; verify carbon equivalent reported on viill certificates. DSA IR 17-3. h. Inspect welding of reinforcing steel. Continuous si 1705A.3.1; verify carbon equivalent reported on viill certificates. DSA IR 17-3. LOR 1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8. AWS D1.4. Item 5c, 1903A.8. | e. Inspect welding of structural cold-formed stafel | Periodic | SI* | |
| h. Inspect welding of reinforcing steel. 20. NONDESTRUCTIVE TESTING: a. Ultrasonic b. Magnetic Particle c. Test LOR Test Test Test LOR Test Test Test Test Test Test Test Test | | | | DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA. |
| 20. NONDESTRUCTIVE TESTING: a. Ultrasonic b. Magnetic Particle c. Test LOR CP-189, SNT-TC-1A. DSA IR 17-2. d. Test LOR 21. STEEL JOISTS AND TRUSSES: 22. SPRAY APPLIED FIRE-PROOFING: 23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL: a. Anchor Bolts and Anghor Rods Test LOR IR 17-11 Sample and test anchor bolts and anchor rods not readily identifiable. b. Threaded rod not used for foundation anchorage. Test LOR Sample and test threaded rods not readily identifiable per procedures noted in IR 17-11 | | | | 1705A.3.1; verify carbon equivalent reported on Inill certificates. DSA IR 17-3. 1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8. AWS D1.4. DSA IR 17- |
| b. Magnetic Particle CP-189, SNT-TC-1A. DSA IR 17-2. CB-189, SNT-TC-1A. DSA IR 17-2. CP-189, SNT-TC-1A. DSA IR 17-12. CP-189, SNT-TC-1A. DSA IR 17-2. CP-189, SNT-TC-1A. DSA IR 17-12. CP-189, SNT-TC-1A. DSA IR 17-12. CP-189, | 20. NONDESTRUCTIVE TESTING: | | 1 · · · · · · | |
| d. Test LOR 21. STEEL JOISTS AND TRUSSES: 22. SPRAY APPLIED FIRE-PROOFING: 23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL: a. Anchor Bolts and Anchor Rods Test LOR IR 17-11 Sample and test anchor bolts and anchor rods not readily identifiable. b. Threaded rod not used for foundation anchorage. Test LOR Sample and test threaded rods not readily identifiable per procedures noted in IR 17-11 | | | | 1705A.2.1 & 1705A.2.5. AISC 360-10 N5.5, AISC 34\-10 App. Q 5.2. AWS D1.1, D1.8. ANSI/ASN CP-189, SNT-TC-1A. DSA IR 17-2. |
| 21. STEEL JOISTS AND TRUSSES: 22. SPRAY APPLIED FIRE-PROOFING: 23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL: 24. Anchor Bolts and Anchor Rods 25. Test 26. IR 17-11 Sample and lest anchor bolts and anchor rods not readily identifiable. 27. Threaded rod not used for foundation anchorage. 28. Test 29. IR 17-11 Sample and lest threaded rods not readily identifiable per procedures noted in IR 17-11 | · · · · · · · · · · · · · · · · · · · | | | |
| 23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL: a. Anchor Bolts and Anghor Rods Test LOR IR 17-11 Sample and test anchor bolts and anchor rods not readily identifiable. b. Threaded rod not used for foundation anchorage. Test LOR Sample and test threaded rods not readily identifiable per procedures noted in IR 17-11 | 21. STEEL JOIST'S AND TRUSSES: | | | |
| b. Threaded rod not used for foundation anchorage. Test LOR Sample and test threaded rods not readily identifiable per procedures noted in IR 17-11 | 23. ANCHOR BOLTS, ANCHOR RODS, & OTHE | | | |
| C. | b. Threaded rod not used for foundation anchorage. | | | |
| WOOD / | | <u> </u> | <u> </u> | |

THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSE ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING.

per Title 24, Part 2, Chapter 17A.

+ SOILS

+ CONCRETE

+ MASONRY

d. Not used.

- STEEL, ALUMNUM

Material Verification:

c. Examine seam welds of HSS s

19. WELDING:

compliance.

DSA List of Required Structural Tests & Special Inspections - 2016 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special

load wood diaphragms, cold-formed steel framing, anchorage of non-structural components. etc.,

NOTE: This form\s also available for projects submitted for review under the 2007, 2010, and

TEST OR SPECIAL INSPECTION

· Mill certificates indicate material properties that comply with

Material sizes, types and grades comply with requirements.
 D. Test unidentified materials

e. Verify and document steel fabrication pe DSA approved

Verification of Materials, Equipment, Welders, etc. a. Verify weld filler material identification markings per AWS

19.1 SHOP WELDING:

a. Inspect groove welds, multi-pass fillet welds, single pass

b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck we

a. Inspect groove welds, multi-pass fillet welds, single pass fillet

c. Inspect end-welded stude (ASTM A-108) installation (including

d. Verification of reinforcing steel weldability other than ASTM A706

construction documents.

18. HIGH STRENGTH BOL

designation listed on the DSA approved documents.

b. Verify weld filler material manufacturer's certificate.

x c. Verify WPS, welder qualifications and equipment.

welds > 5/16", plug and slot welds

e. Inspect welding of reinforcing steel.

19.2 FIELD WELDING:

welds > 5/16", plug and slot welds

e. Inspect welding of structural cold-formed steel

f. Inspect welding of stairs and railing systems

20. NONDESTRUCTIVE TESTING:

22. SPRAY APPLIED FIRE-PROUFING:

- 23. ANCHOR BOLTS, ANCHOR RODS, & OTHER STEEL

6" = 1'-0" DSA-103 PLYWOOD FLOOR (Wood Foundation) T

+ 21. STEEL JOISTS AND TRUSSES:

g. Verification of reinforcing steel weldability

h. Inspect welding of reinforcing steel.

X b. Inspect single-pass fillet welds ≤ 5/16

d. Inspect floor and roof deck welds

bend test)

X a. Ultrasonic

+ WOOD + OTHER

X b. Magnetic Particle

c. Inspect welding of stairs and railing systems.

DSA File No.: Application No.: Date Submitted:

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES

Periodic

Periodic

Continuous

Periodic

Test /LOR

THE EXAMPLE OF FORM DSA-1036 SHOWN ON THIS SYMEET ARE FOR ILLUSTRATION PURPOSE ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED

INTO AND ALL EXAMPLE FORM DSA-1036 ARE TO BE/CROSSED OUT ON THIS DRAWING.

Table 1706A.3, ACI 318-14 Sections 26.12 & 26.13

 fest
 LOR
 2203A.1 (2203.1*)

 Periodic
 Si
 DSA IR 17-3.

SI DSA IR 17-3.

Periodic SI DSA IR 17-3.

Periodic Si DSA IR 17-3.

SI

Test LOR 1705A.2.1 & 1705A.2.5. AISC 360-10
Test LOR CP-189, SNT-TC-1A. DSA IR 17-2.

INSTRUCTIONS; Click a plus sign (+) before any category or subcategory to reveal additional special inspections. A shaded box indicates a test or special inspection that may be required. inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record. Laboratory depending on the scope of the construction and other issues. A shaded box can be clicked in this of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form can be collapsed. However, any selections you may have made will be cleared. Click on the identifies work NOT subject to DSA requirements for special inspection or structural resting. The project inspector is responsible for providing inspection of all facets of construction, including but use of this form, see DSA-103.INSTR.

CODE REFERENCE AND NOTES

TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 536.1-13/ASCE 6-13 Table 5

Table 1705A.2.1, AISC 303-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI \$100-07/5/2-10

Appendix for exemptions.)

your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it "COMPILE" button to show only the tests and inspections finally selected. For more information on not limited to special inspections not listed on this form such as structural wood framing, high-

2203A.1 (2203.11), Table 1705A.2.1 Item 3a-3c; AISI \$100-07/\$2-10 Section A2.1 & A2.2. AISI \$200-

12 Section A3, AISt S220-11 Section A4. By special inspector or qualified technician when performed

1705A.2.5, Table 1705A.2.1 Items 4 & 🎉; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steet

1 item 5a.5 & 5a.6. Per AISC 360-10 (and AISC 341-10 as applicable)

AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See

Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).

St | Table 1705A.2.1 Item 5a/-4. Per AiSC 360-10 (and AISC 341-10 as applicable). DSA IR 17-6.

51 1705A.2.1. Per AISC/360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17.3

Si Table 17054/2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-5.

SI Table 1787A.2.1 Item Sa.5. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.

SI 2213A.2/2212.6.2°); per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1. DSA IR 4.

DSA. DSA IR 17-3.

1705A.2.1; Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3.

1705A.3.1; verify carbon equivalent reported on milt certificates. DSA IR 17-3.

R 17-11 Sample and test anchor boits and anchor rods not readily identifiable

1705A/2.2, Table 1705A.2.1 item 5a.6; per AISC 360 (and AISC 341 as applicable) & AWS D1.3.

SA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.

1705A.2.1 & 1705A.2.5. AISC 360-10 N5.5, AISC 341-10 App. Q 5.2. AWS D1.1. D1.8. ANSWASAT

SI / 1705A.3.1, Table 1705A.3 liem 2, and Table 1705A.2.1 liem 5b, 1903A.8. AWS D1.4. DSA IK 17-3.

DSA /R 17-3.

170 A.2.5; AWS D1.3. * May be performed by the project inspector when specifically approved to

Continuous SI 1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8. AWS D1.4. DSA IR 17-3

1705A.3.1; verify cyrbon equivalent reported on mill certificates. AWS D1.4. DSA IR 17-3.

PROFESSIONAL STAMP

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

APP: 02-121488 INC:

DATE: 6/29/2023

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1221 Harrey Knox Boulevard

ORIGINAL POSTATE AGENCY APPROVAL

FILE NUMBER: PC-128 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116504 NCR: 0 C_RM_FLS_EA_SSR KER 07/19/2018 PROJECT TITLE

24 x40

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

Revision Schedule

Description

SHEET TITLE PLYWOOD

FLOORS

PROJECT NUMBER

DRAWN BY

CHECKED BY

DATE

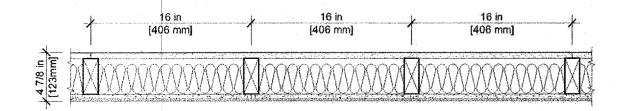
SHEET NO.

CAL GREEN NOTES

CONSTRUCTION WASTE MANAGEMENT

PER 2016 CALGREEN CODE SECTION 5.408.1 CONSTRUCTION WASTE MANAGEMENT MEETS THE FOLLOWING CALGREEN REQUIREMENTS: I- PERCENTAGE OF WASTE TO BE SALVAGED OR RECYCLED WITH A MINIMUM OF 65% OF NON-HAZARDOUS

II- THE CONSTRUCTION AND DEMOLITION MATERIALS WILL BE HANDLED BY A MATERIAL RECOVERY FACILITY (MRF)
PROCESSED AND DIVERTED AS NEEDED. THE PROCESS IN PLACE GENERALLY YIELD A 75% OR BETTER DIVERSION



UL U329 or GAP WP 3441 Interior Partitions -Wood Stud

Fire Rating

Thickness (in.)

* Gypsum Board - 5/8 in. thick board, applied horizontally or vertically

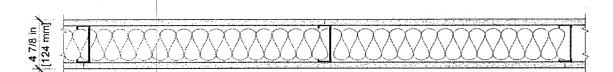
* Wood Studs | 2 in. x 4 in. wood studs spaced max. 16 in. o/c

* Batts and Blankets - Min. 3-1/2 in. thick mineral wool batt insulation

* Cement Board - 1/2 in. thick board, applied horizontally or vertically

* Bond Coat for Setting Tile - Latex modified portland cement mortar or . 1 type I

organic adhesive applied with a notched trowel * Ceremic Tile - 1/4 in. thick ceramic tile



Fire Test UL U465 Steel Stud (Non-loadbearing) Interior Partitions

Sound Test: RAL-TL11-125

Fire Rating

Thickness (in.)

* Gypsum Board - 5/8 in. thick board, applied vertically, attached to studs with 1 in. long, Type S-12 screws, spaced 8 in. o/c along the edges and 12 in. o/c of the board - SHHETROCK Brand Firecode Core (Type X)

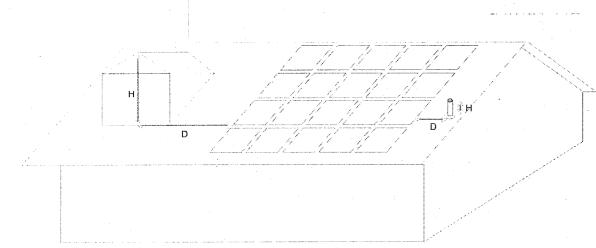
* Steel Studs - 3-5/8 in. wide min. 25 gauge steel. Attached to floor and ceiling with fastners, 24 in o/c - 362S125-18

* Gypsum Board - 5/8 in. thick gypsum board applied vertically or horizontally -SHEETROCK Brand FIRECODE Core (Type X)

* Batts and Blankets - Min. 3-1/2 in. thick mineral wool batt insulation

Moisture control. Exterior door protection: Nonabsorbent flooring indicated on floor plan, and nonabsorbent interior wall finish indicated on interior elevations.

See sheets A1.0, A1.1, and A1.2 for door protection See sheet A5.2 for wall finishes

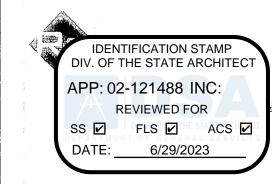


Source: California Energy Commission

Any obstruction, located on the roof or any other part of the building that projects above the solar zone shall be located at a sufficient horizontal distance away from the solar zone, in order to reduce the resulting shading of the solar zone. For each obstruction, the horizontal distance ("D") from the obstruction to the solar zone shall be at least two times the height difference ("H") between the highest point of the obstruction and the horizontal projection of the nearest point of the solar zone.

D ≥2 × H

| SECTION | SHEET | COMPLIAN | | EEN AND ENERGY CODE C) PERMANENT AND MODULAR RELOCATABLE B | UILDING DESIGNS | · |
|-----------------------------------|--------------|--|---|--|--|--------------------|
| WATER | EFFICI | ENCY | | | ······································ | |
| 5.303.3 | | WATER CONSERVING PLUMBING | | | | |
| 5.303.3 | P1.0 | PLUMBING FIXTURE FLOW RATES ARE | SHOWN ON PLUMBING FIXTURE SCHEDULE | | | |
| MATERI | IAL CO | NSERVATION & RESOURC | E EFFICIENCY | i. | | |
| 5.407.2.2 | | WATER RESISTANCE AND MOIST | | INTERIOR DOOR PROTECTION AND INDICATE THE NON-A | BEODBENT FLOOD AND | MALL FRIELFO |
| | A1.0-1.2 | | D PERPENDICULAR TO THE PRIMARY ENTRA | | BOOKBENT PLOOR AND | WALLFINISHES |
| 5.407.2.2.1 | | PLANS AND SECTIONS INDICATE THE I | MINIMUM EXTERIOR DOOR PROTECTION WI | TH THE LOCATION AND DETAILS FOR A 4 FEET DEEP AWN | NG, ROOF OVERHANG, | RECESSED |
| 5.407.2.2.2 | | AREA, OR OTHER APPROPRIATE METH | IOD AT THE PRIMARY ENTRANCES. *LASHINGS INTEGRATED WITH A DRAINAGE | DLANE | | |
| 5.408.1 | A4.0.1-4.3 | CONSTRUCTION WASTE MANAG | | FLANE | | |
| | | | | THE MANUFACTURER WHICH SPECIFIES A CONSTRUCTION | N WASTE MANAGEMEN | IT PLAN IDENTIFYII |
| | | | S FOR REUSE A MINIMUM OF 65% OF THE I | NONHAZARDOUS CONSTRUCTION WASTE. AL BY EFFICIENT USAGE, RECYCLING, REUSE ON THE PRO | DJECT OR SALVAGED F | OR FUTURE USE O |
| 5.408.1 | PDF | | WASTE MATERIALS WILL BE SORTED ON-S | | | |
| | | | CONSTRUCTION WASTE WILL BE TAKEN. | WWEIGHT OF VOLUME | | |
| | - | | F CONSTRUCTION WASTE IS CALCULATED E | IY WEIGHT OR VOLUME. MENTATION THAT 65% OF CONSTRUCTION WASTE MATER | RIAL WILL BE DIVERTED | |
| ENVIRO | NMENT | AL QUALITY | | | | |
| 5,504.4 | | POLLUTANT CONTROL | | · · · · · · · · · · · · · · · · · · · | | - |
| 5.504.4.1 | A0.5 | ADHESIVES, SEALANTS AND CAI | JLKS | With the state of | | |
| | | FINISH | WHERE USED (TYPE) | MANUFACTURER/SPECIFICATION | Voc | VOC LIMIT (GPL) |
| 5.504.4.2 | A0.5 | Indoor Carpet Adhesives | NuBroadLok, Mohawk Inc. | NuBroadLok, Mohawk Inc. | 0 | 50 |
| 1 | | Carpet Pad Adhesives | N/A | | | |
| 5.504.4.2 5.504.4.3 | A0.5 A0.5 | Cove Base Adhesives Multi-purpose Construction Adhesives 1 | Interior Base General | Henry 440 Liquid Nails - Heavy Duty construction adhesive | 70 | 50 70 |
| 5.504.4.4 | A0.5 | Contact Adhesive | General | Hankel - Loctite Light Cure | 20 | 70 |
| | | | | | | |
| 5.504.4.2 | A0.5 | Contact Adhesive | General | Hankel - Loctite Light Cure | 20 | 70 |
| 5.504.4.1 | A0.5 | Architectural 1 | Exterior | Sherwin williams - 850A White | 33 | 250 |
| 5.504.4.1 | A0.5 | Architectural 2 | Exterior | Sherwin williams - Shermax clear | . 19 | 250 |
| 5.504.4.1 | A0.5 | Single ply roof Membrane | Roof Caulk/Sealer | Tremco - Future Flash Sealant | 6 | 450 |
| 5.504.4.3 | A0.5 | PAINTS AND COATINGS | · · · · · · · · · · · · · · · · · · · | And the same of th | · · · · · · · · · · · · · · · · · · · | <u> </u> |
| | | FINISH | WHERE USED (TYPE) | MANUFACTURER/SPECIFICATION | voc | VOC LIMIT (GPL) |
| 5.504.4.3.1 | A0.5 | Aerosol Spray Flat Paint | Painted Surface | Krylon | <60 | 60 |
| 5.504.4.3 | A0.5 A0.5 | Flat Coatings 1 Flat Coatings 2 | Painted Surface Painted Surface | Sherwin Williams - Pro Mar 200 Zero Dunn Edwards Paints - Acra Hues | 50 40 | 50 50 |
| 5.504.4.3 | A0.5 | Flat Coatings 3 | Painted Surface | Vista Paints | 50 | 50 |
| | | | | | | |
| | | Wall Material 1 Wall Material 1 | FRP Wall Covering Tackable Wall (Non-absorbent) | Glassco Chatfield Clarke | | |
| | | | | | | |
| 5.504.4.4 | A0.5 | CARPET SYSTEMS | | | | |
| 5 504 4 4 | 10.5 | FINISH | MANUFACTURER | CERTIFICATION ORGA | NIZATION | |
| 5.504.4.4 | A0.5 | Carpet | Mohawk Carpets | Carpet & Rug Institute - Green Label Plus Program | · |] |
| 5.504.4.5 | - | HARDWOOD PLYWOOD, PARTICI | EBOARD, FIBERBOARD WOOD PROD | UCTS | | <u> </u> |
| | | FINISH | WHERE USED (TYPE) | MANUFACTURER/SPECIFICATION | FORMALDEHYDE | 1 |
| 5.504.4.5 | A0.5 | Plywood | Roof / Floor | APA Rated | EMMISIONS <.05 | LIMIT 0.05 |
| | | | | | | |
| 5.504.4.6 | A0.5 | RESILIENT FLOORING SYSTEMS | | · · · · · · · · · · · · · · · · · · · | | |
| | | FINISH | MANUFACTURER | CERTIFICATION ORGANIZATION | | |
| 5.504.4.6 | A0.5 | Vinyl Composition Title Flooring | Armstrong / Imperiat | CA Dept. of Public Health's 2010 Standard Method for the Te | sting | |
| | A0.5 | Sheet Vinyl Flooring | Mannington | CA Dept. of Public Health's 2010 Standard Method for the Te | | |
| | | FRP Wall Covering Tackable Wall | Glassco Chattfield Clarke | CA Dept. of Public Health's 2010 Standard Method for the Te CA Dept. of Public Health's 2010 Standard Method for the Te | | |
| | | | | | | |
| | | FILTER SPECIFICATION: | | | | |
| 5.504.3 5.504.5.3 | M0.1 M0.1 | | ROTECTION OF MECHANICAL EQUIPMENT I EINCLUDES INFORMATION REQUIRING A MI | | | |
| J.454.3.3 | 18V.1 | INDOOR MOISTURE CONTROL: | - INCLUDED BY CHIMITION REQUIRING A WI | THE THE TYPE IS A SECOND CONTROLLER. | | |
| | | ATTIC IS UNVENTED | | | | |
| 5.507.4 | | ENVIRONMENTAL COMFORT: | | | | |
| | | EXTERIOR NOISE TRANSMISSION | | VOSTUS FOLLOWING CONTINUE | | |
| 5 507 4 4 | A0.0 | NOTE ON COVERSHEET THAT STA 1- WITHIN THE 65 CNEL NOISE CONTO | TES - "THIS PC WILL NOT BE PLACED IN ANY IR OF AN AIRPORT | OF THE FOLLOWING LOCATIONS: | | |
| 5.507.4.1 | A0.0 | ** | | RAÍLROAD, OR INDUSTRIAL SOURCE GUIDEWAY; | | |
| • | | | OF 65 DB LEQ-1-HR DURING ANY HOUR OF | | | |
| | | | | | | |
| 5.507.4.3 | | INTERIOR SOUND TRANSMISSION | V: | <u>.</u> | | |
| 5.507.4.3 5.507.4.3 5.508.1 | A0.5 | INTERIOR SOUND TRANSMISSION INTERIOR WALLS MEET MINIMUM 40 STC. OUTDOOR AIR QUALITY: | Y: | *************************************** | ** | |



PROFESSIONAL STAMP

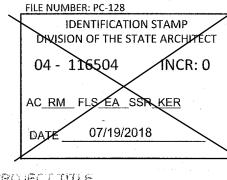


12/19/2017

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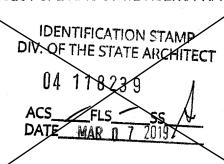
ORIGINAL POSTATE AGENCY APPROVAL



PROJECT TITLE

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

SHEET MILE CALGREEN SPEC'S

PROJECT NUMBER

TOTOA

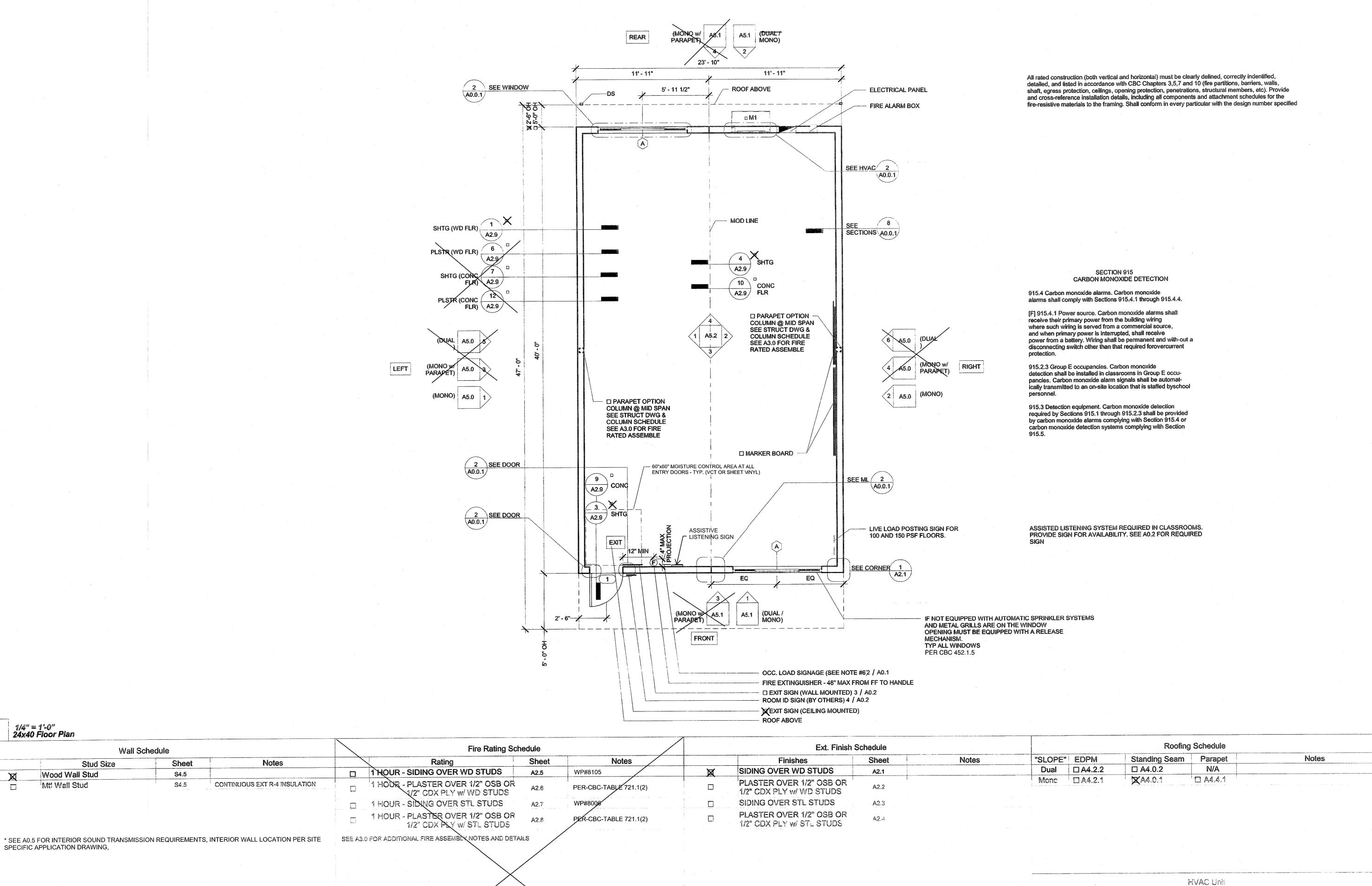
DRAWN BY

GHENKED BY أ يكا كالمنطولا

DATE

SHEET NO.

2017/06/05



1/4" = 1'-0" Ext. Finish Schedule

1/4" = 1'-0" 24x40 Floor Plan

Wall Schedule

Stud Size

Wood Wall Stud

Mtl Wall Stud

SPECIFIC APPLICATION DRAWING,

1/4" = 1'-0" Well Schedule

Sheet

\$4.5

\$4.5

Notes

1/4" = 1'-0" Fire Rating Schedule

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

PROFESSIONAL STAMP

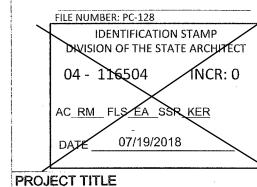


12/19/2017

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1221 Harley Knox Boulevard Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL



24' x 40' **EXPANDABLE TO** 120' x 40'

> PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 04 118239 ACS FLS SS /

Revision Schedule

Description

24x40 FLOOR PLAN

PROJECT NUMBER

17016A

DRAWN B

Type Comments

See (M)-Sheets

See (M)-Sheets

Type

Wall Mounted HVAC

Roof Mounted HVAV

Keynote

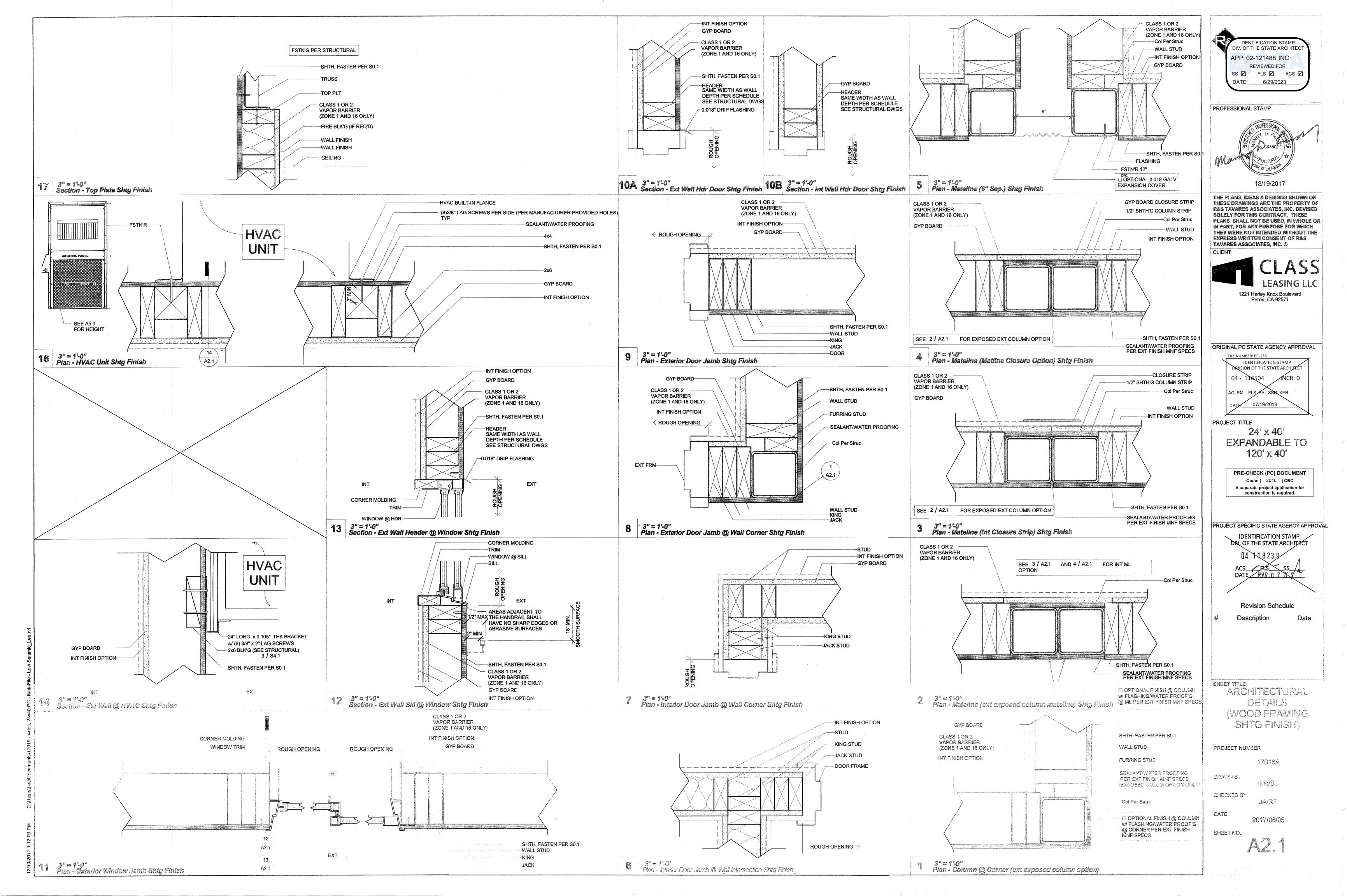
XM

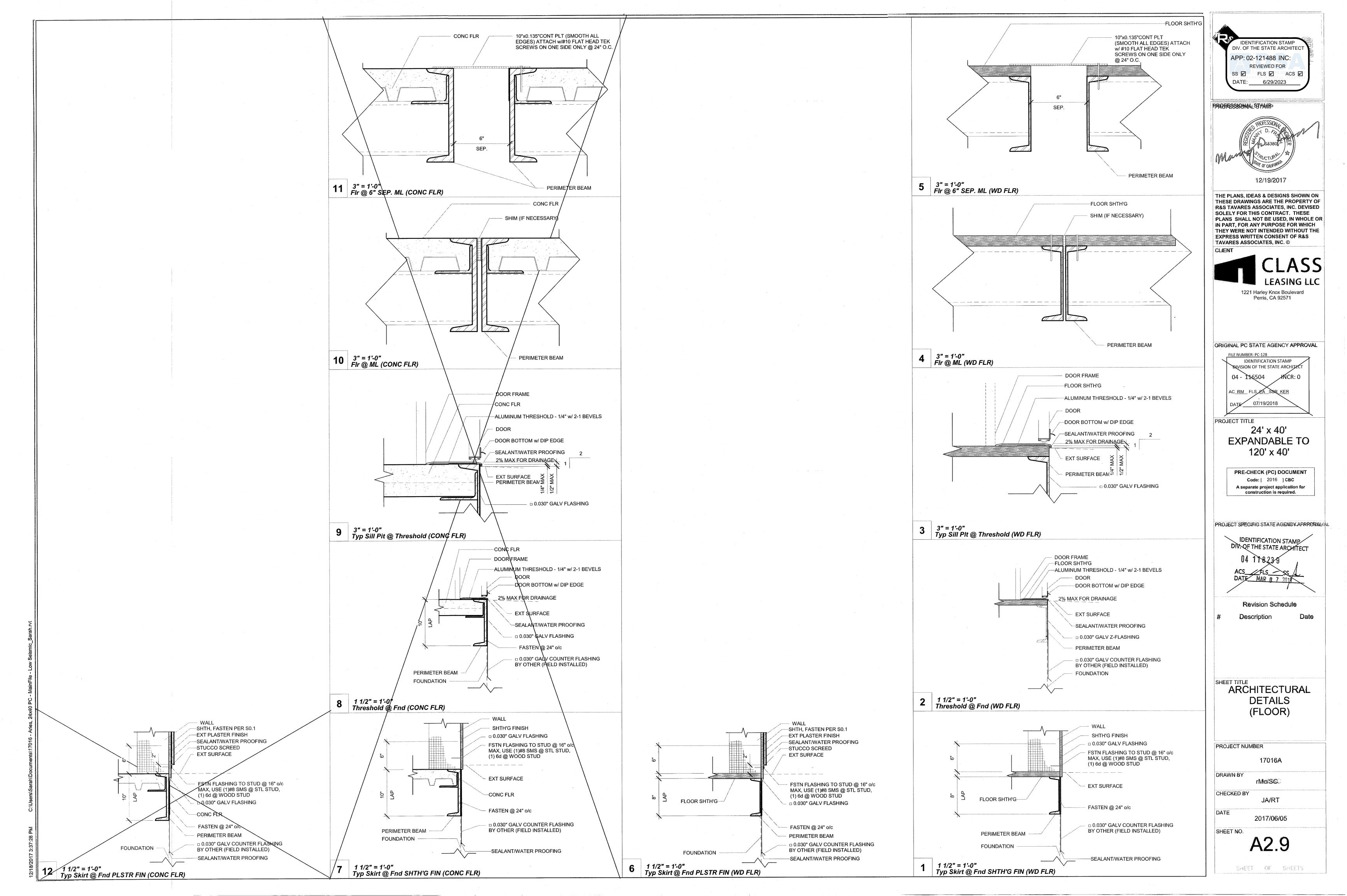
□ M2

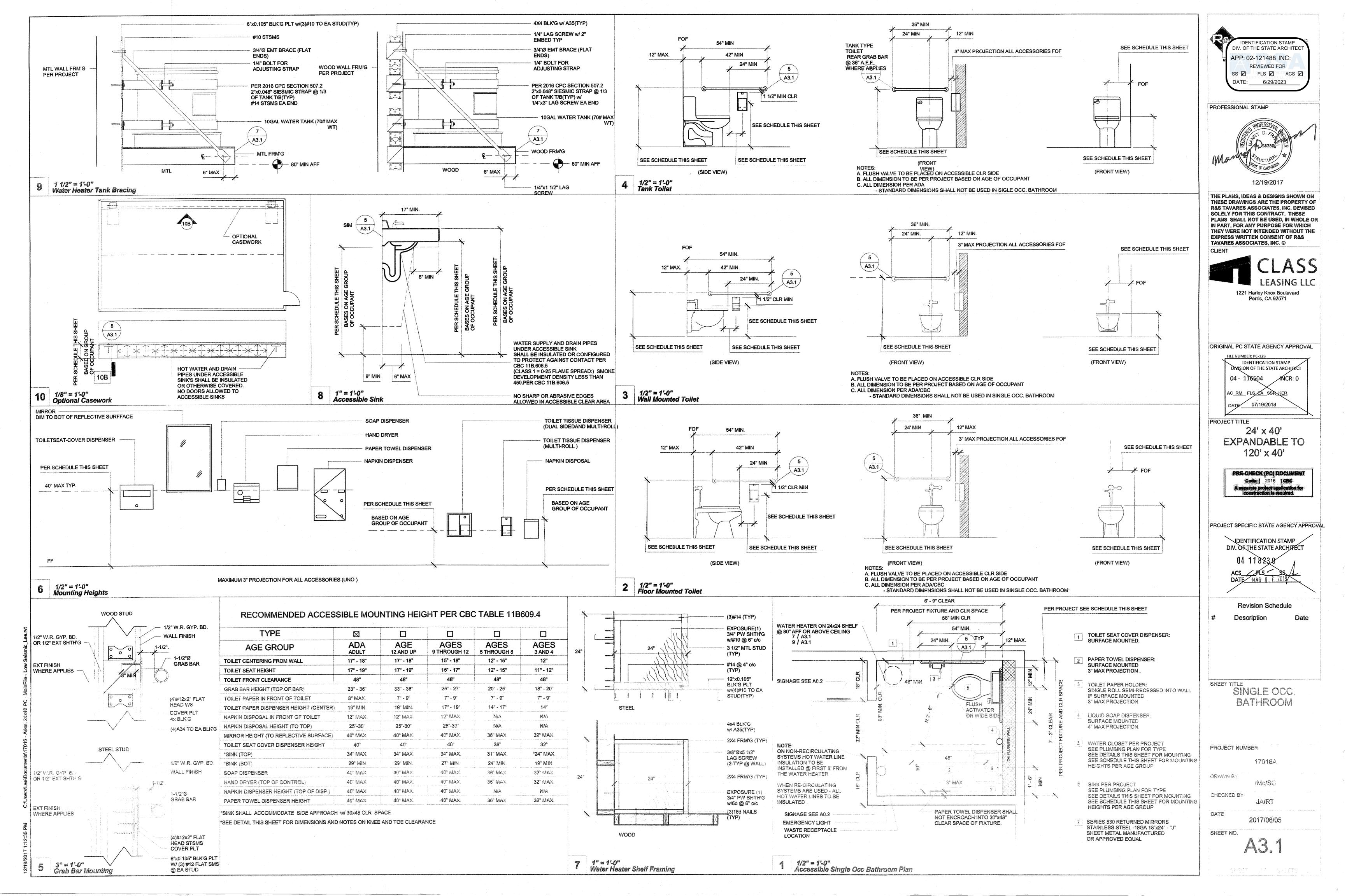
CHECKED BY

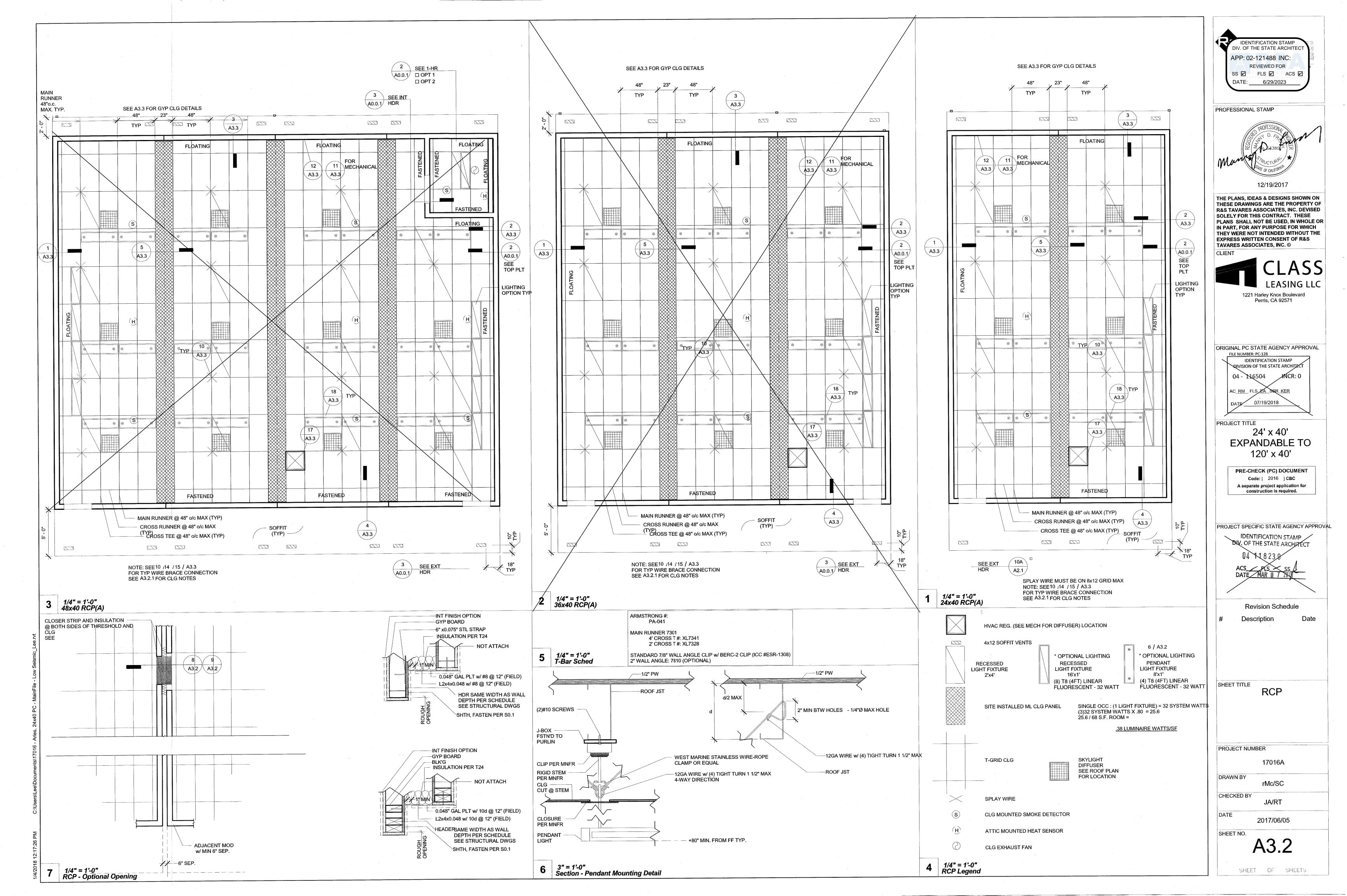
DATE 2017/06/05

SHEET NO.









| 1. | CEILING SYSTE | M GENERAL | NOTES: | |
|----|----------------------|-----------|--------|--|
| | | | | |

- 1.01 Ceiling system components shall comply with ASTM C635-07 and Section 5.1 of ASTM E580-10a.
- 1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.
- 1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project: [For each system used, the RDP shall indicate in the construction documents, the information that follows]

| Manufacturer's Name | ARMSTRONG | | | |
|---------------------------------------|-----------------------|----------------------|---|------------|
| Product Evaluation Repo | rt Type and Number _ | PA-041 | _ | |
| Manufacturer's Model Nu | • • | 7301 | | (SEE A3.2) |
| Manufacturer's catalog r | number - cross runner | 4' CROSS T #: XL7341 | * | |
| • • • • • • • • • • • • • • • • • • • | | 2' CROSS T #: XL7328 | | |

- 1.04 Seismic Wall Clip: [RDP to specify if used] STANDARD 7/8" WALL ANGLE CLIP w/ BERC-2 CLIP (ICC #ESR-1308)
 - Manufacturer's Model 2" WALL ANGLE: 7810 (OPTIONAL)

1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.

1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 34" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide 34"

clearance between the ceiling panel and the wall on the sides of the ceiling free to slip.

2. MATERIALS:

DSA IR 25-2.13 - Appendix A (rev 09/21/15)

- 2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a. Wire shall be #12 gage (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.
- 2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653-11, or other equivalent sheet steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2007, including supplement 2 dated 2010 (AISI S100-07/S2-10). Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gage) and heavier shall have a minimum yield strength of 50 ksi.
- 2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

| Basis Document: DSA IR 25-2.13 | | | Sheet No: |
|--------------------------------|----|-------------|-----------|
| Sheet Title: | re | v. 09-21-15 | 1 00 |
| Ceiling Notes | | | |

DSA IR 25-2.13 - Appendix A (rev 09/21/15)

3. ATTACHMENT OF HANGER AND BRACING WIRES:

- 3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.
- 3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.
- 3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.
- 3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements. 3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the

4. FASTENERS AND WELDING:

direction of the wire, etc.)

- 4.01 Sheet metal screws shall comply with ASTM C1513-10, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed
- 4.02 Expansion anchors shall be: [RDP to indicate manufacturer, product, evaluation report number and load for each size specified per CBC 1913A.7.2.]
- 4.03 Power-Actuated Fasteners shall be: [RDP to indicate manufacturer, product, evaluation report number]
- 4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.
- 4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.
- 4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post - installed anchor.
- 4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.
- 5. **TESTING:** All field testing must be performed in the presence of the project inspector.
- 5.01 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1913A.7.
- 5.02 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.

| sis Document: DSA IR 25-2.13 | | | | |
|------------------------------|------|----------|------------|--|
| eet Title: | rev. | 09-21-15 | 4 04 | |
| Ceiling Notes | | | -1.01 | |
| Celling Notes | | | □ • | |

6. LIGHT FIXTURES:

- 6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.
- 6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lb. Maximum spacing between supports shall not exceed eight (8)
- 6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
- 6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
- 6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above.

Exception: All light fixtures greater than two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.

6.06 All Light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) taut #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) taut #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

SERVICES WITHIN THE CEILING:

- 7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
- 7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to
- 7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
- 7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) taut #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

| Basis Document: DSA IR 25-2.13 | Sheet No: | | | |
|--------------------------------|-----------|-------------|--------|--|
| Sheet Title: | rev. | 09-21-15 | 4 00 | |
| Ceiling Notes | | | _ 1.02 | |
| | · | | | |

DSA IR 25-2.13 - Appendix A (rev 09/21/15)

DSA IR 25-2.13 - Appendix A (rev 09/21/15)

Sheet Title:

Basis Document: DSA IR 25-2.13

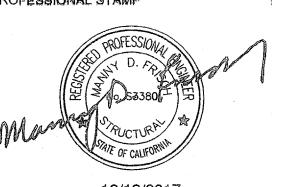
Ceiling Notes

8. OTHER DEVICES WITHIN THE CEILING:

8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 6/29/2023

PROFESSIONAL STAMP

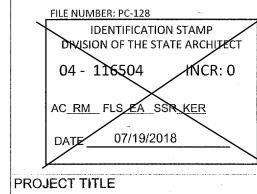


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1221 Harley Knox Boulevard

ORIGINAL PC STATE AGENCY APPROVAL



Sheet No:

09-21-15

24' x 40' **EXPANDABLE TO** 120' x 40'

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for

construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVALVA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

Revision Schedule

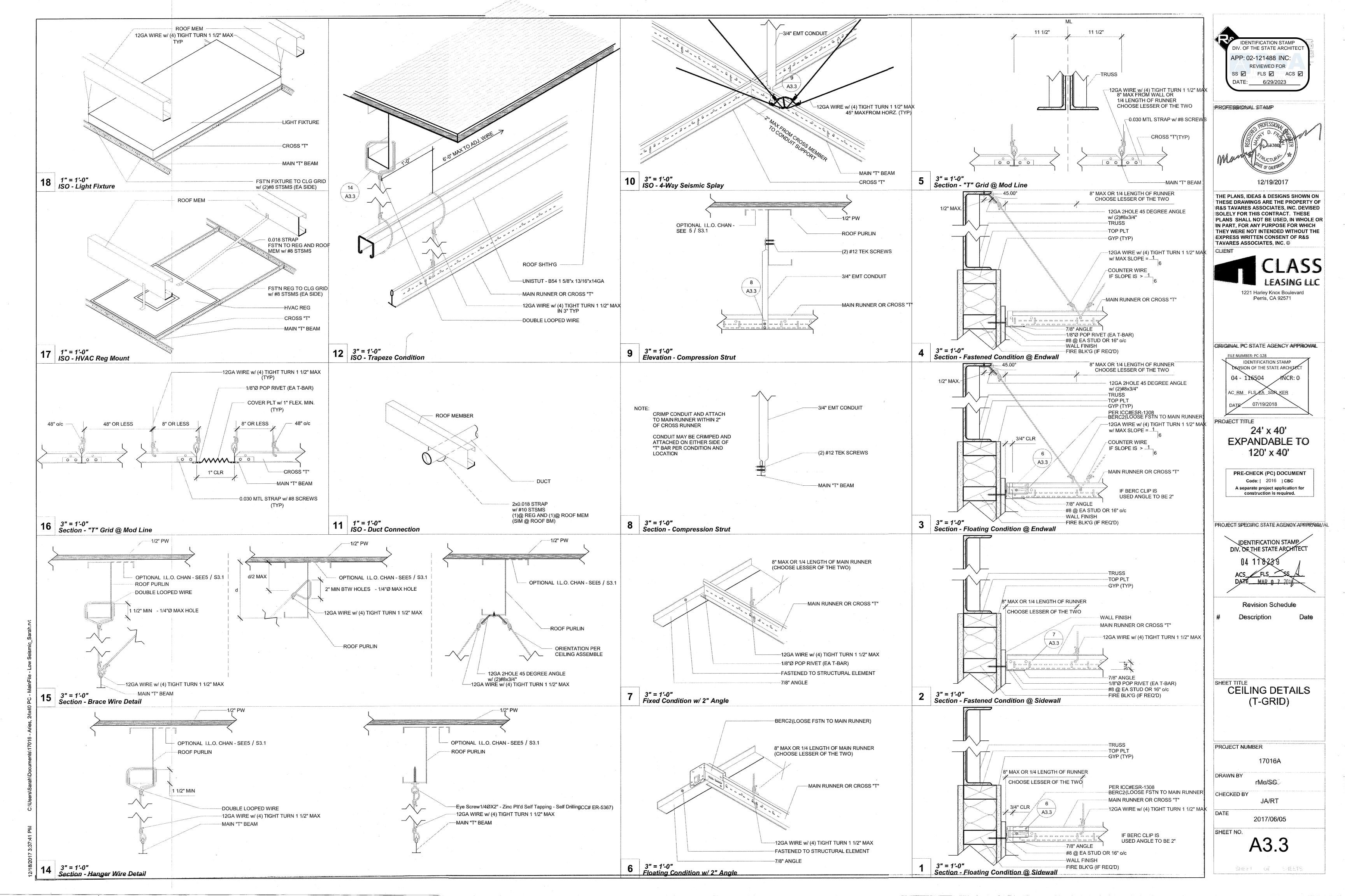
CEILING NOTES

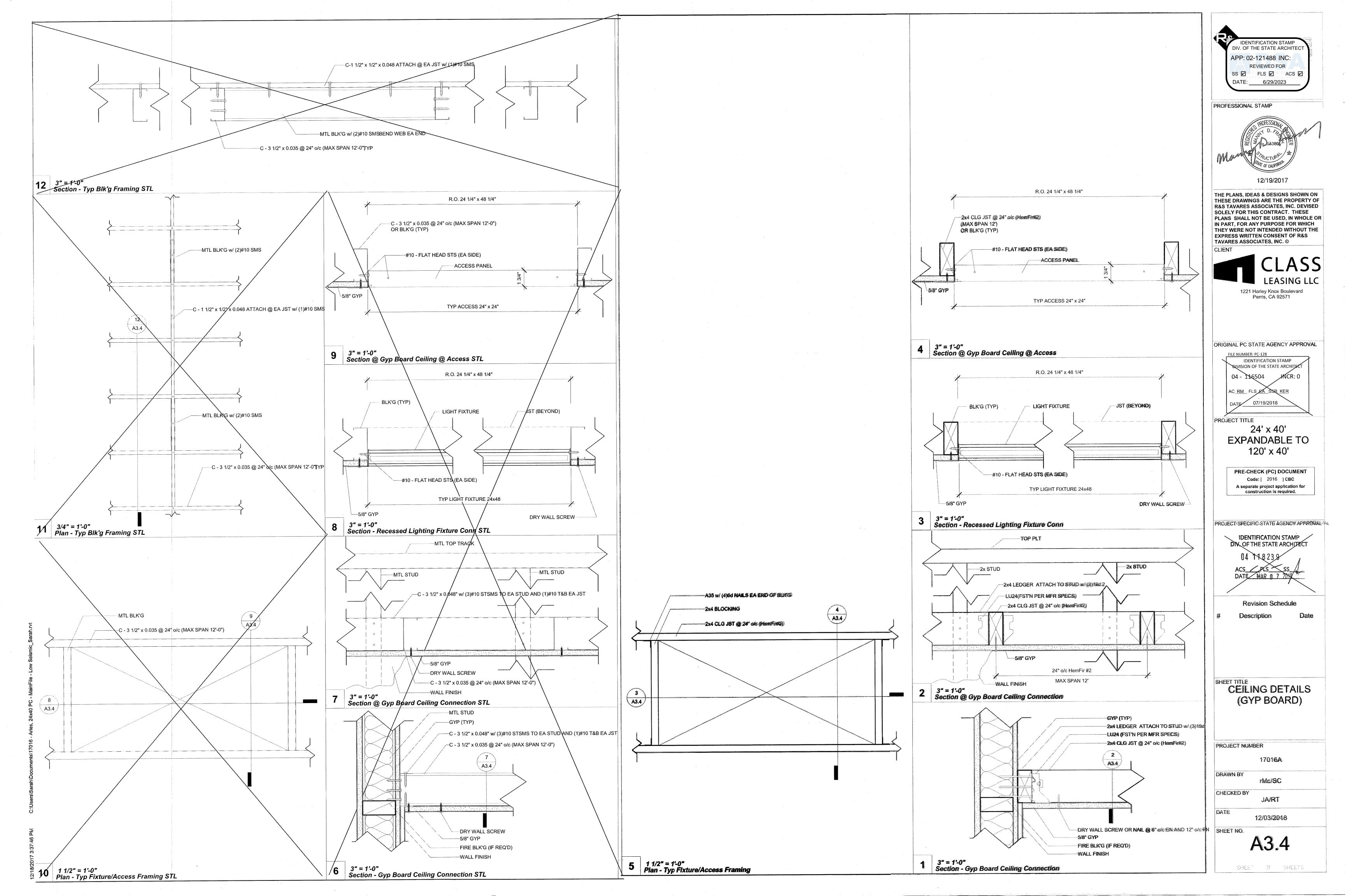
PROJECT NUMBER

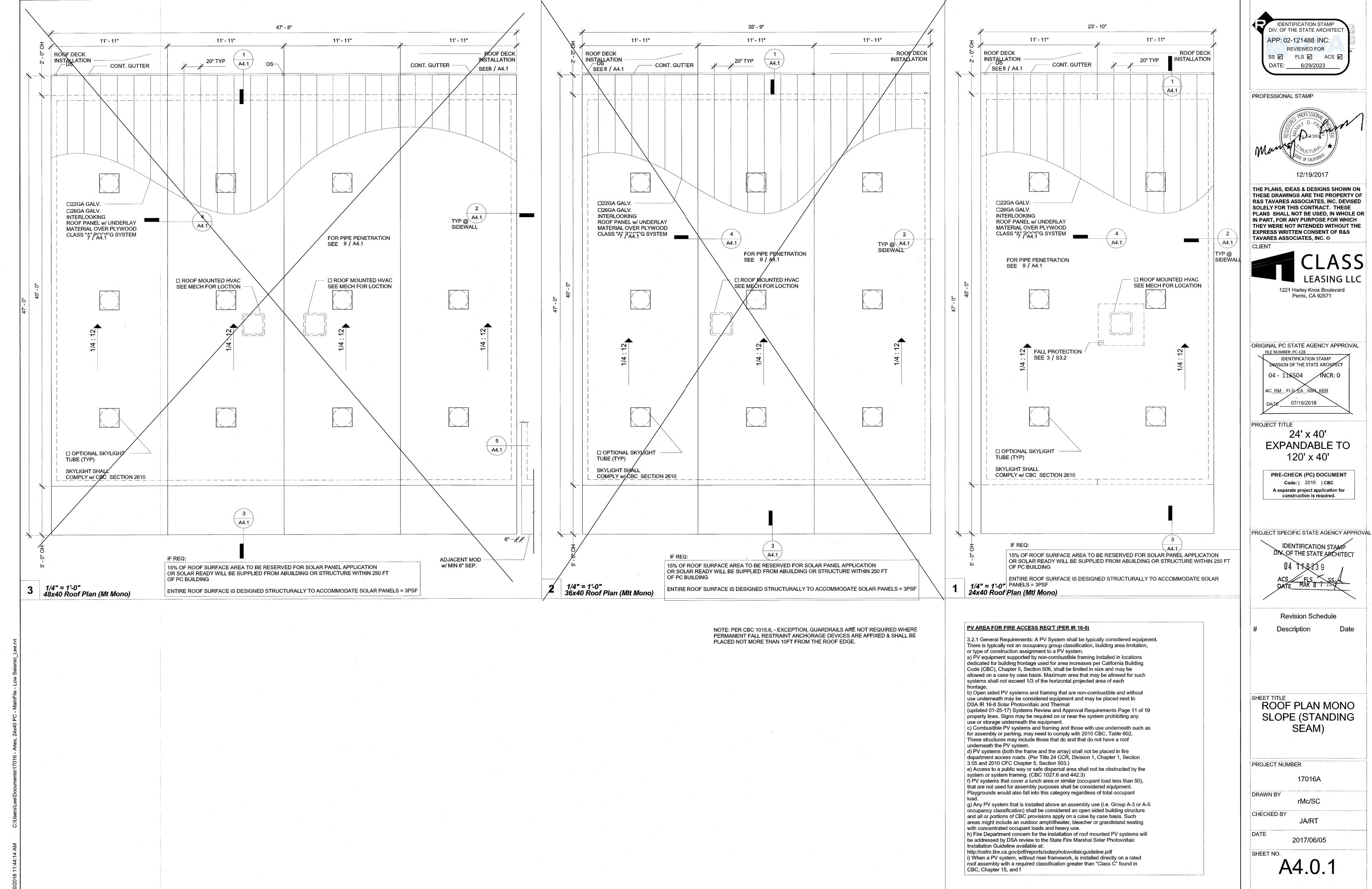
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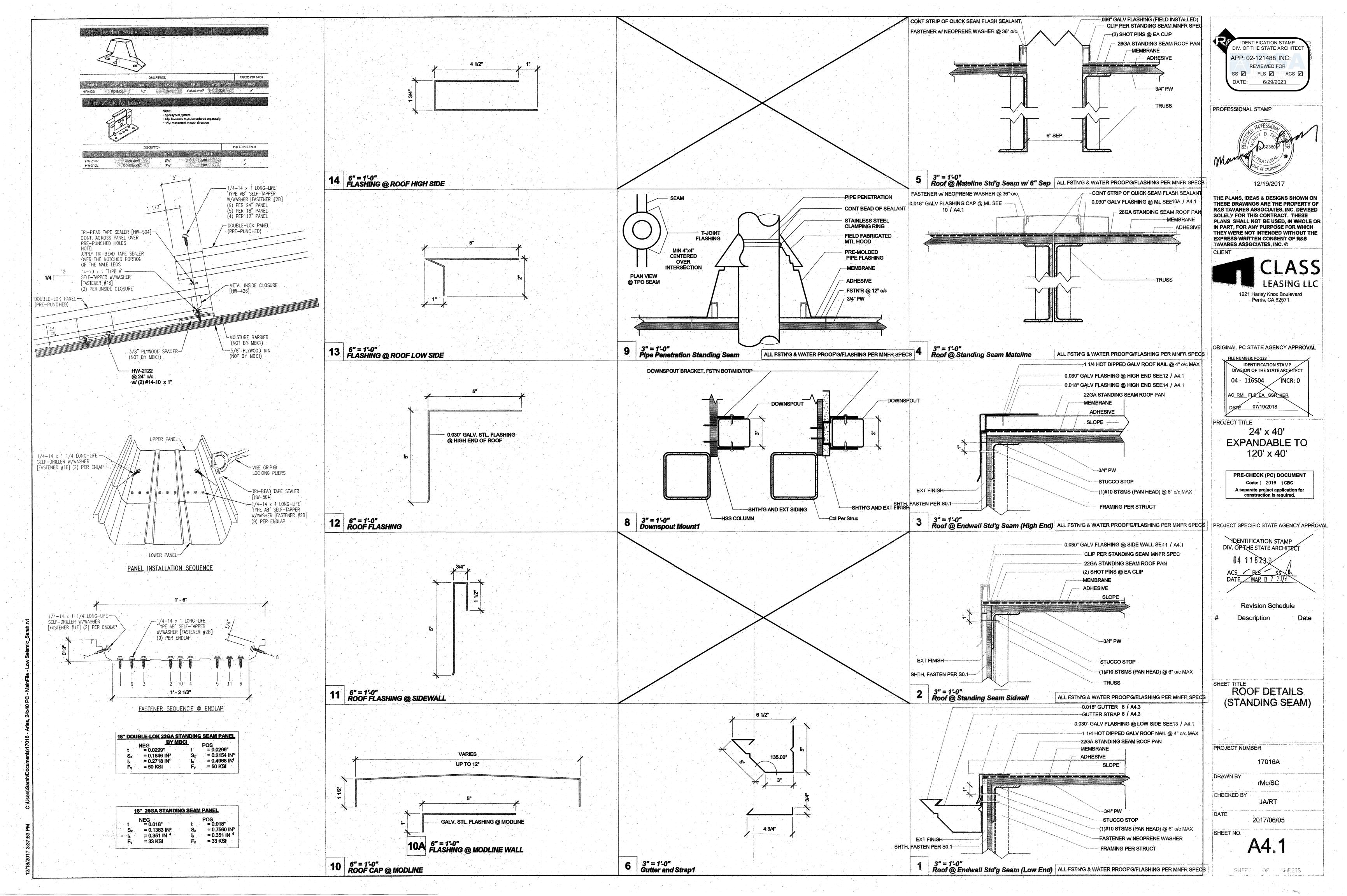
2017/06/05

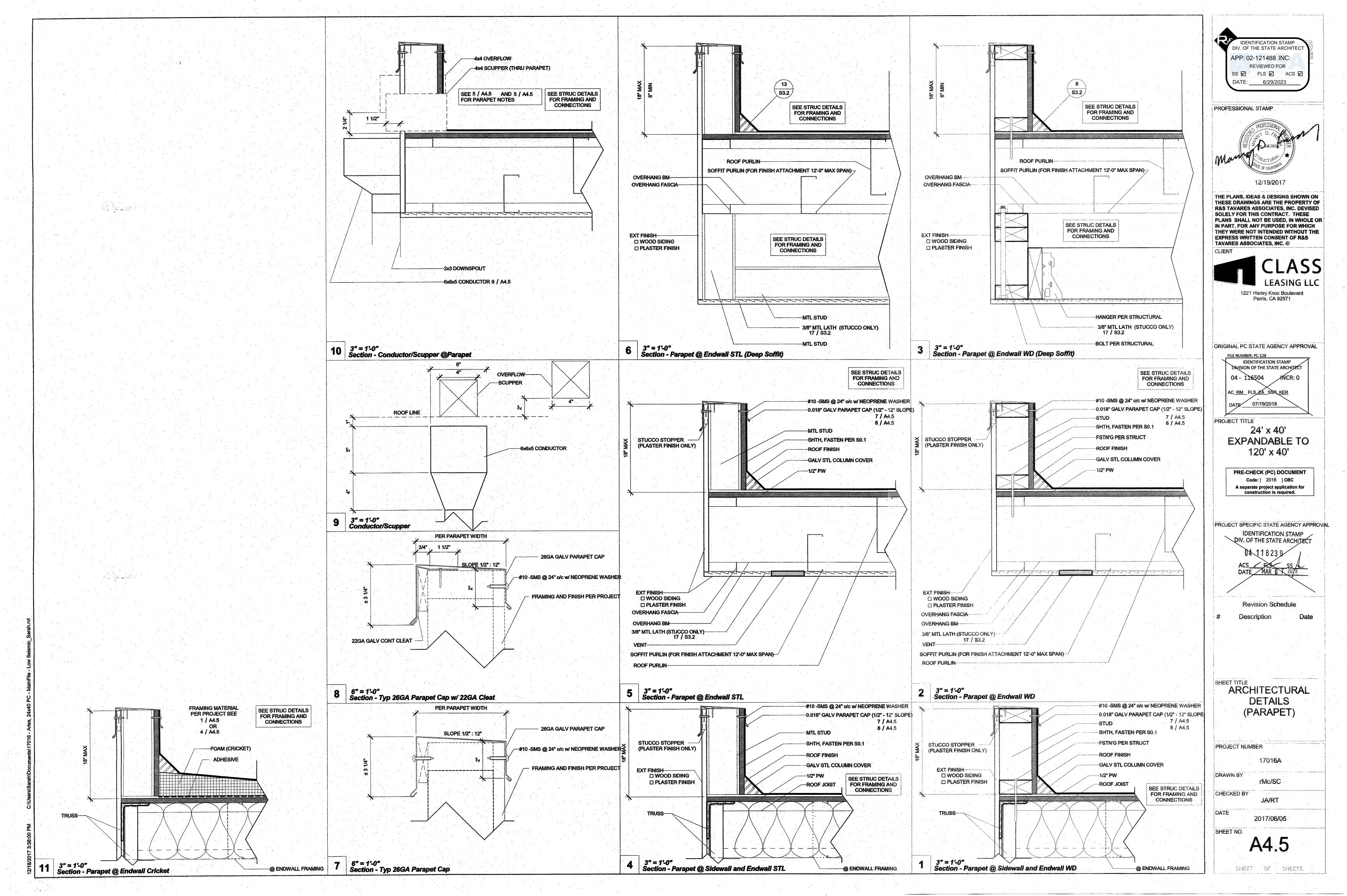


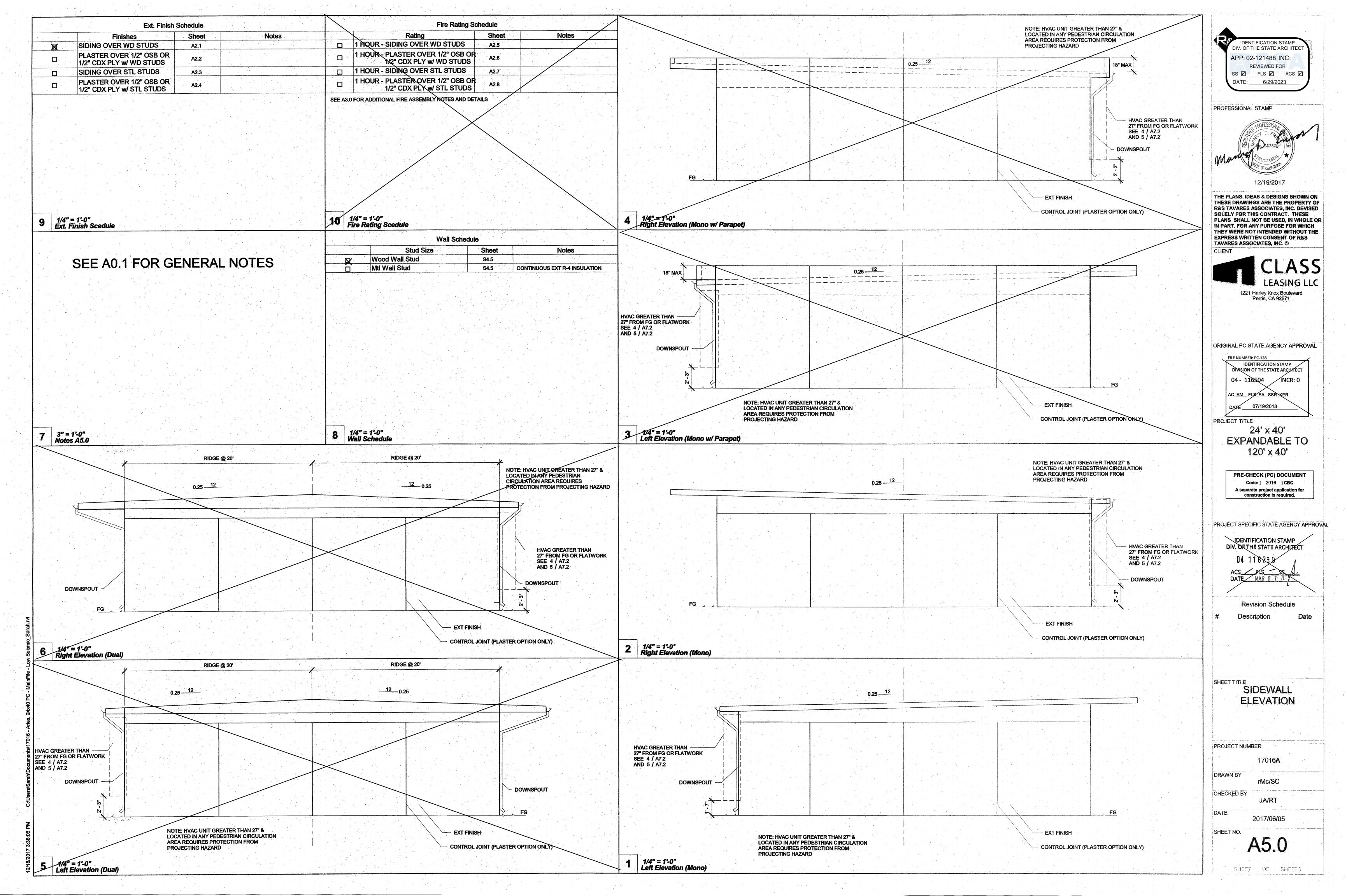


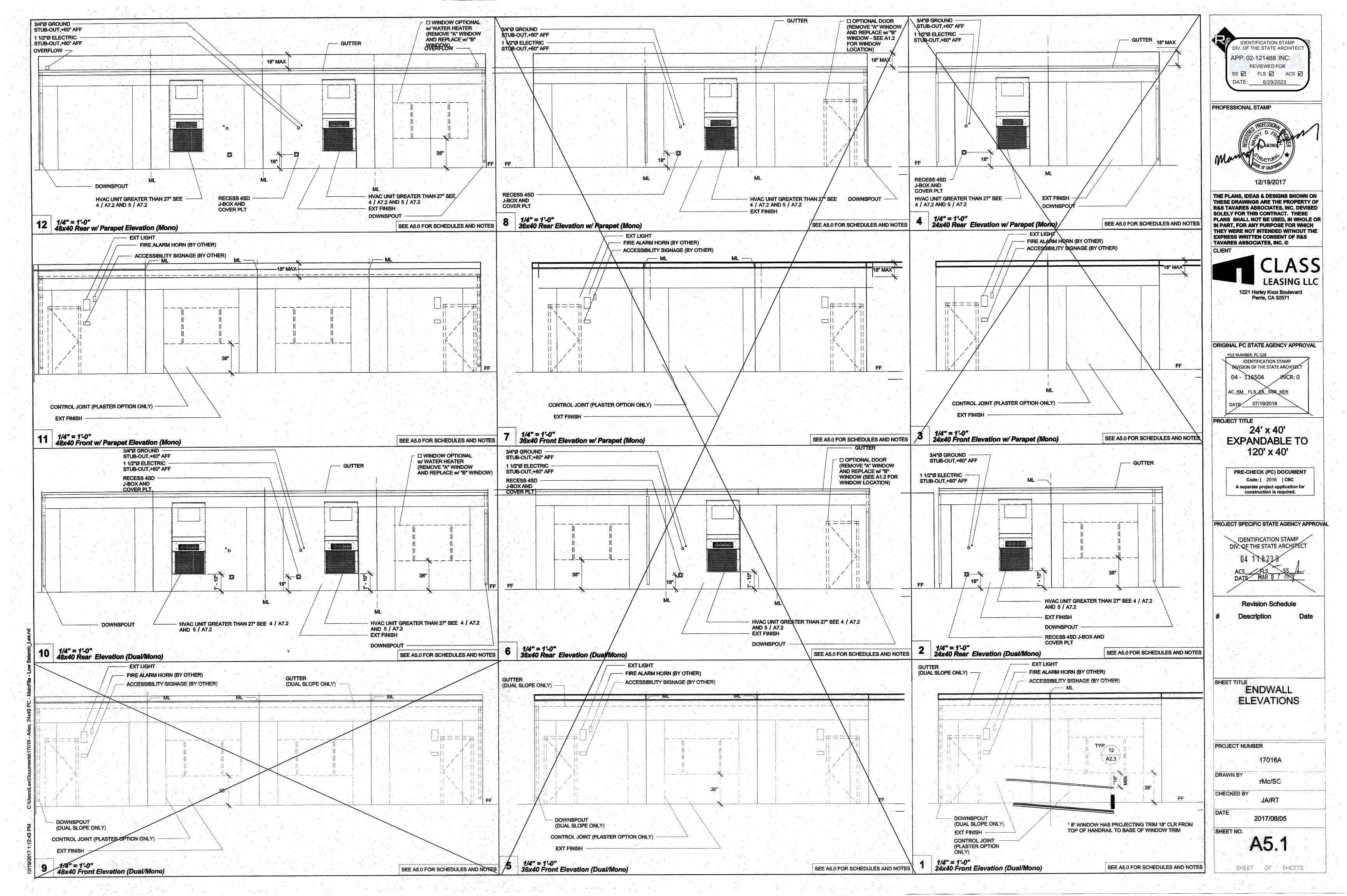


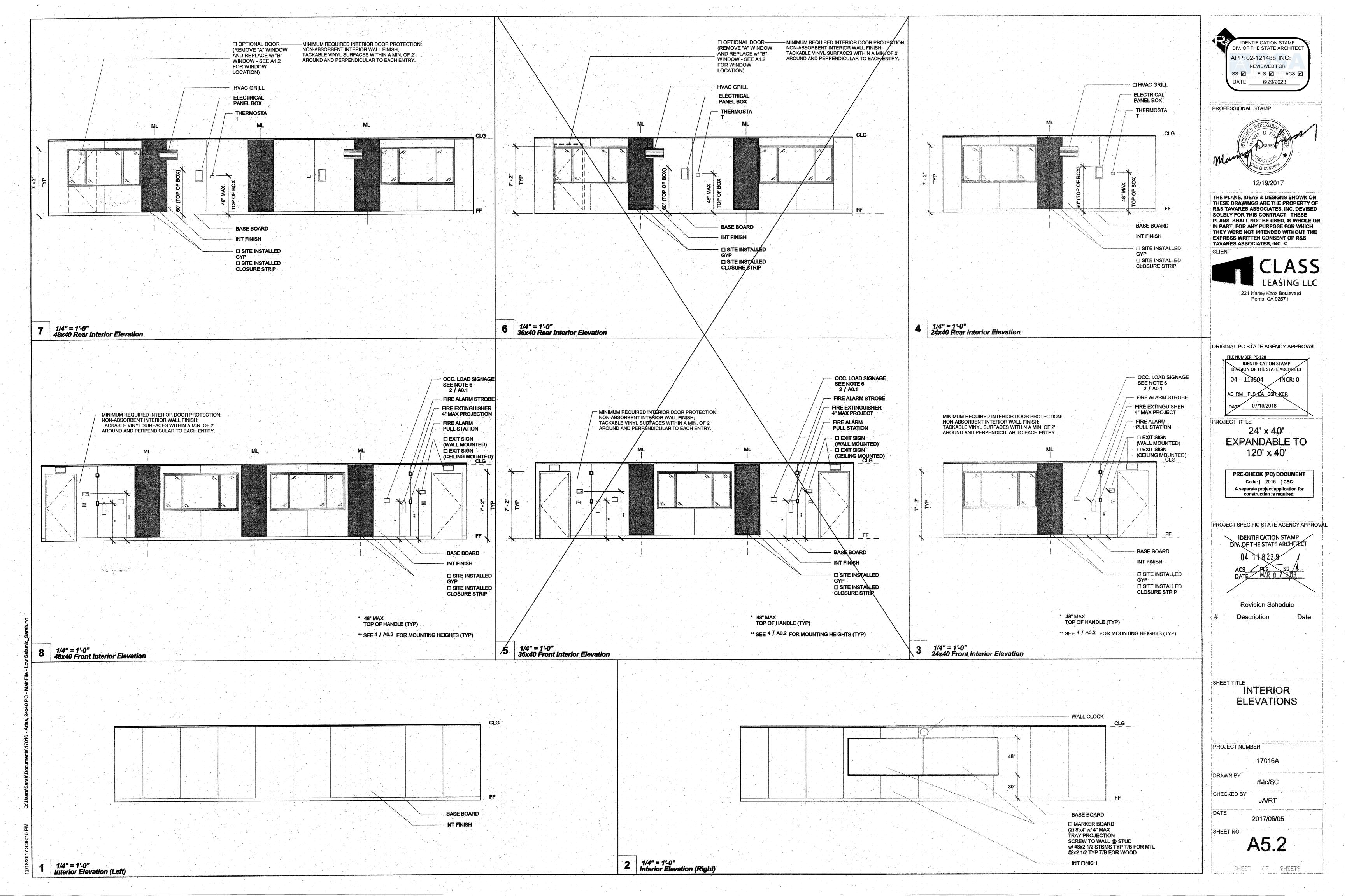
SHEET OF SHEETS

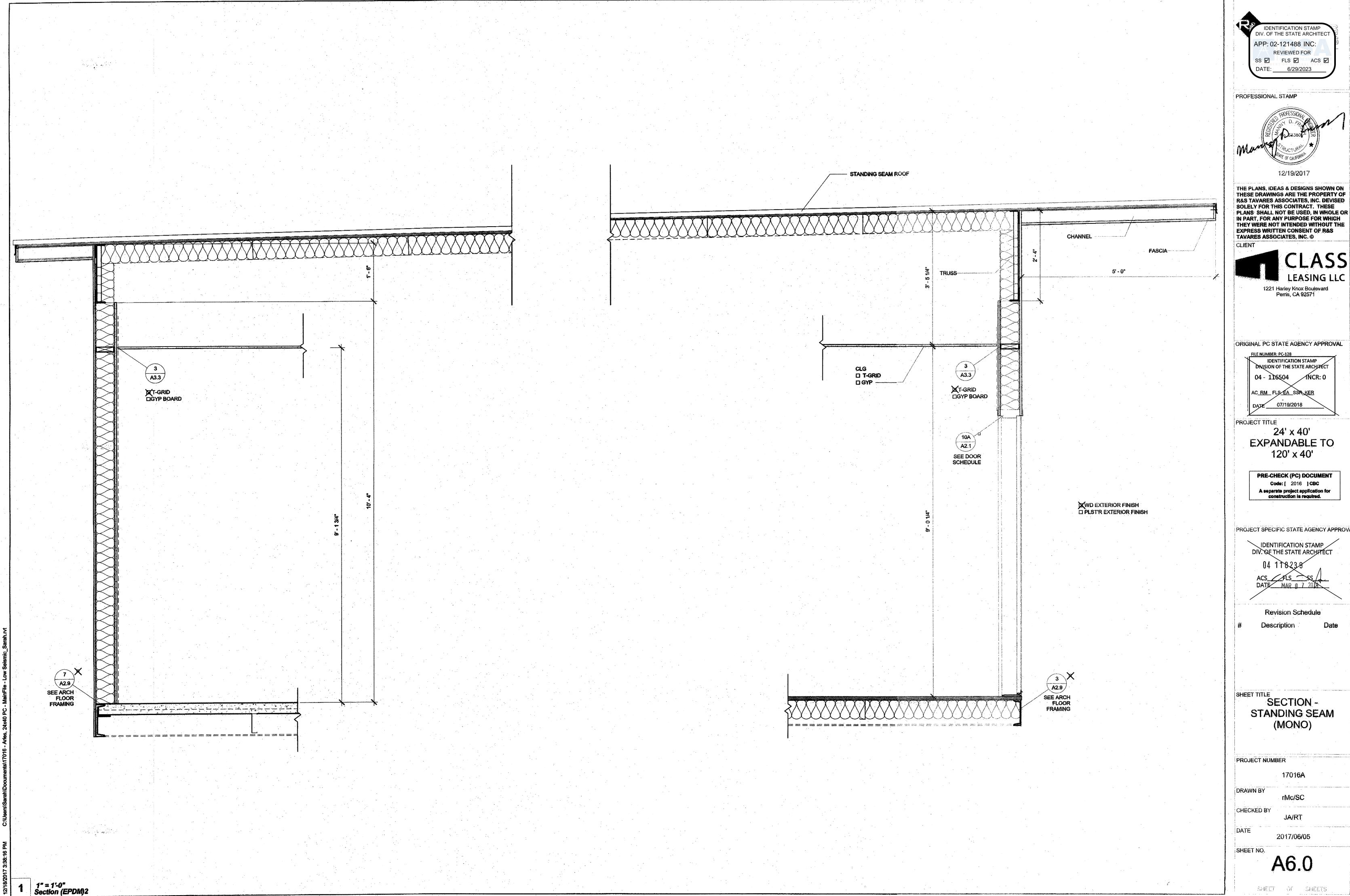




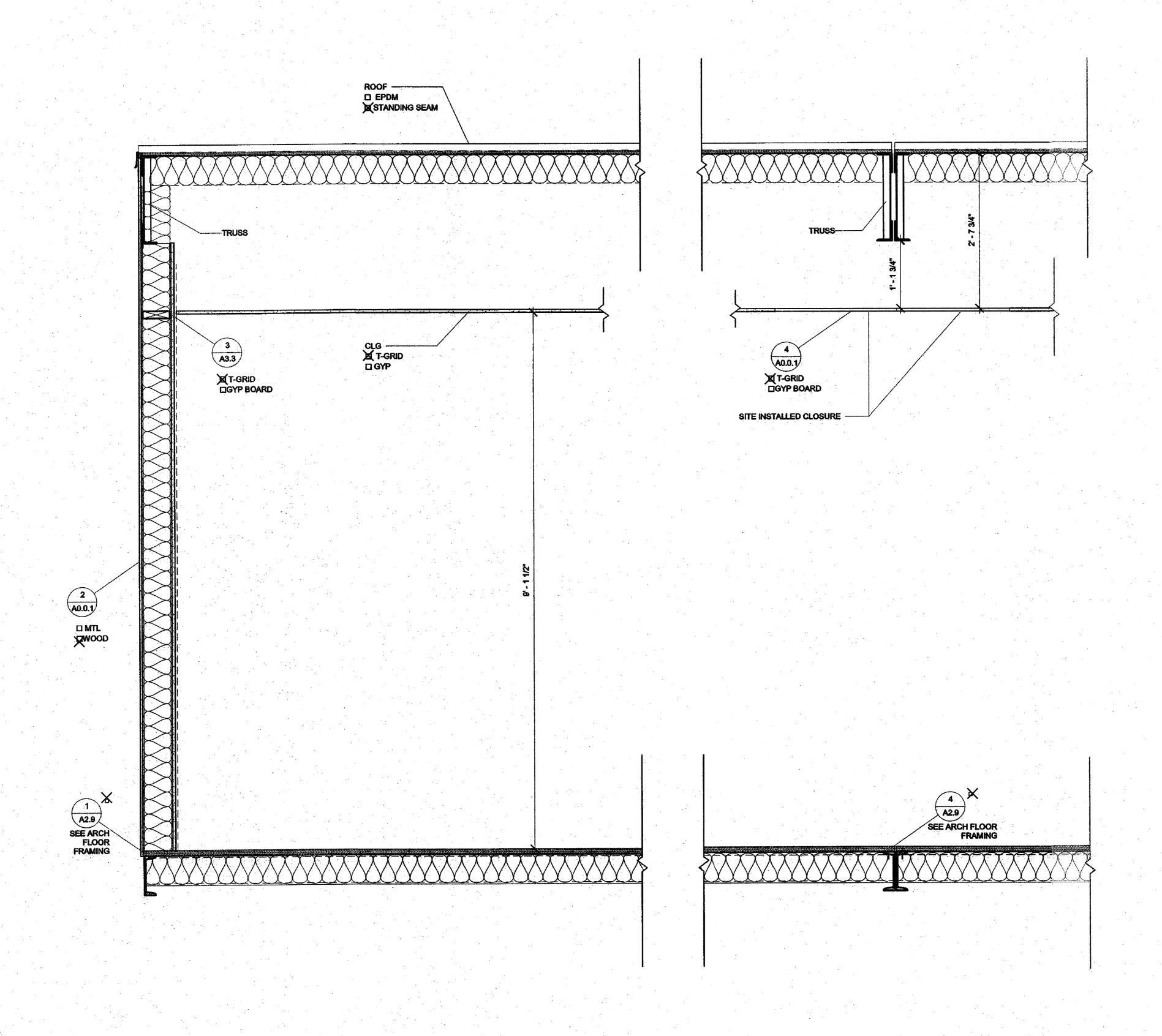








PROJECT SPECIFIC STATE AGENCY APPROVAL





PROFESSIONAL STAMP

12/19/2

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ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

04 - 116504 INCR: 0

AC RM FLS EA SSR KER

DATE 07/19/2018

PROJECT TITLE

24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT

Code: [2016] CBC

A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

04 118239

ACS__FLS__SS__
DATE__MAR @ 7 7817

Revision Schedule

Description

SHEET TITLE SECTION

PROJECT NUMBER

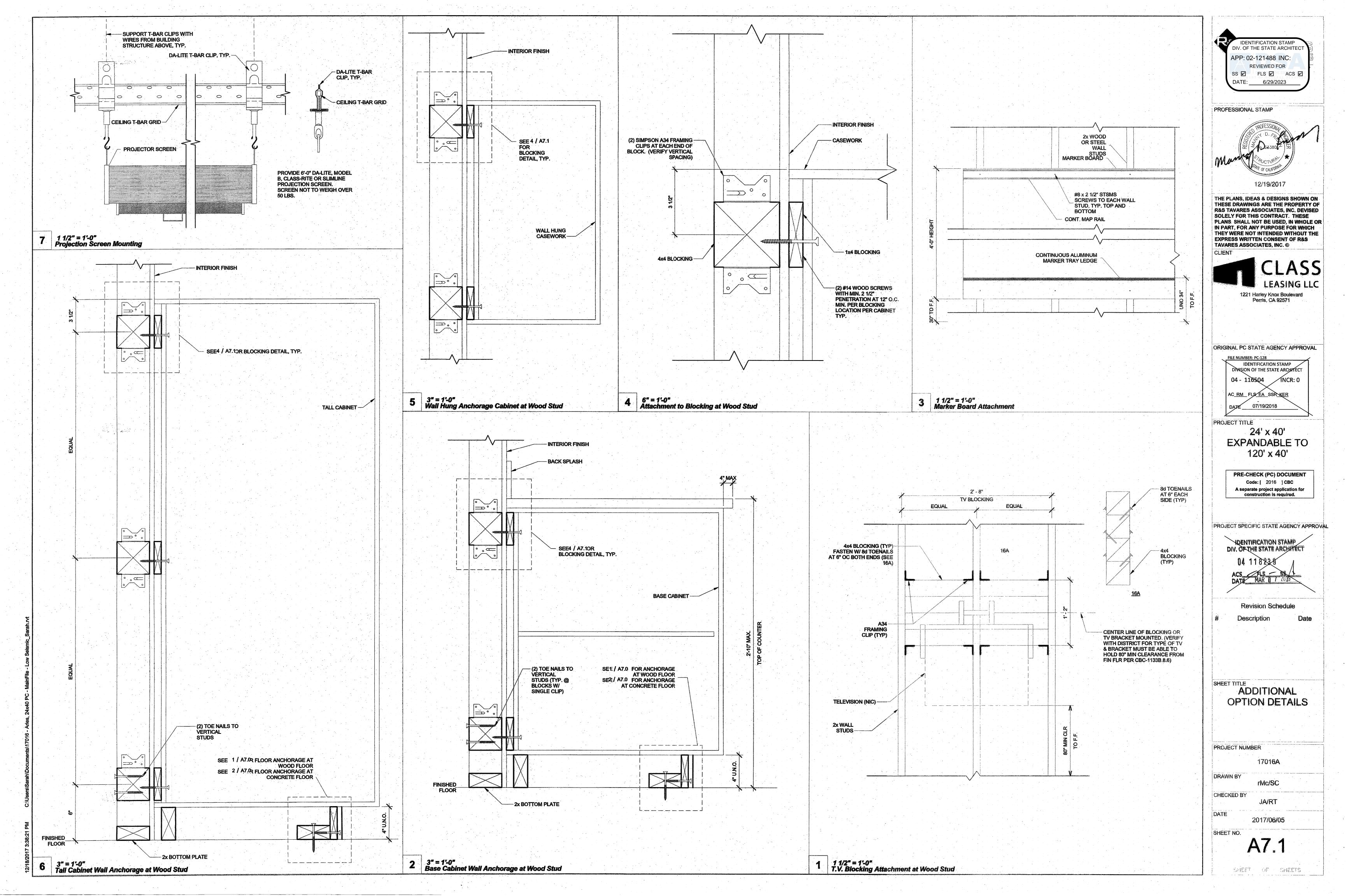
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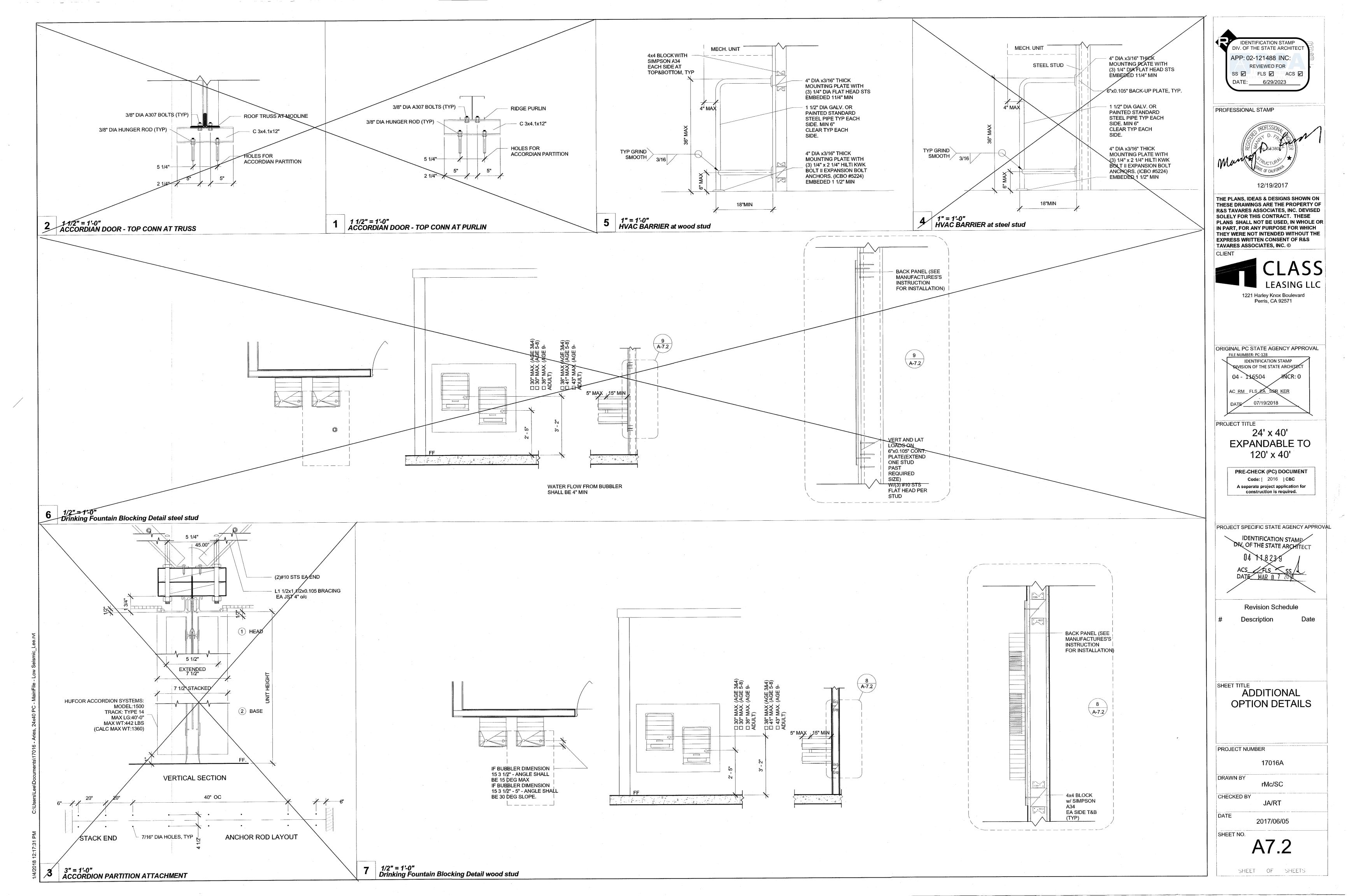
CHECKED BY

J

DATE 2017/06/05

A6.2





NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

1/2" WP NIPPLE BY MFG ELECT PANEL-RIGID CONDUIT WITH CONDUCTOR ATTACHED PANEL BUNDED-TO WALL W/ 2-HOLE TO GROUND STRAPS (SITE ELECT) CONDUCTOR TEE CONDULET FOR SEPARATE CONDUCTOR GROUND, BONDED TO SLU 70 GROUND LUG-5/8" BOLT-METAL FRAME (SITE ELECT) GROUNDING CLAMP (SITE ELECT)

STEEL CHANNEL

TO BE SUPPLIED AND
INSTALLED BY CLASS LEASING.

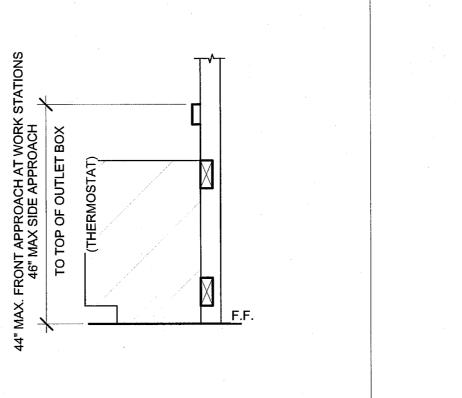
#8 Cu WIRE TO
BOTH #14 GROUND
TEKS, FIELD CONNECTED

MODLINE

NOTES:

- 1. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L.
 PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE
 DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL
 UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH
 FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
- 2. CHECK RESISTANT TO GROUND ROD. IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).
- 3. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
- 4. ALL MODULES OF STEEL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP & STAIRS.
- 5. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66

2 1 1/2" = 1'-0" TYPICAL GROUNDING DETAIL



* 48" MAX.

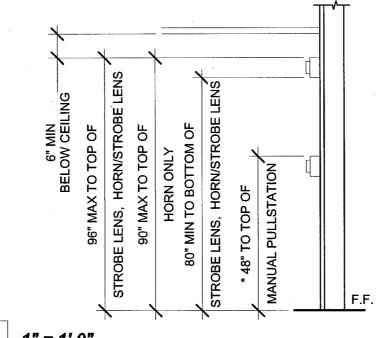
* TO TOP OF OUTLET BOX

* 30. X48. MIN TO BOT OF
OUTLET BOX
OUTLET BOX

PERPENDICULAR APPROACH

3 | 1" = 1'-0" ELEV. @ WORKSTATION

4 1" = 1'-0" MOUTING ELEV.



* PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION

5 1" = 1'-0" FIRE ALARM MOUNTING HEIGHTS THE SWITCH OR SWITCHES INSTALLED IN EMERGENCY LIGHTING CIRCUITS SHALL BE SO ARRANGED THAT ONLY AUTHORIZED PERSONNEL WILL HAVE CONTROL OF EMERGENCY LIGHTING. (CEC art. 700.20)

GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE GROUNDED SEPARARELY WITH A ¾" ROUND X 8 FEET COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTOOM IS FOUND, DRIVE ROD AT 45 DEGREES MAXIMUM FROM THE VERTICAL OR HAVE IT BURIED IN A TRENCH 30" DEEP MINIMUM.

TESTING FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6 FEET, UNTIL RESISTANCE REDUCES TO 25 OHMS OR LESS. GROUND TEST MUST BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR AND ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250

EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS 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 OR 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 AND 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
- 3. MOVABLE 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 ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED 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 WALL.

FOR THOSE ELEMENTS THAT DO NOT 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.

PIPING, DUCTWORK AND ELECTRICAL SYSTEM BRACING OF

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 (OPA #) 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 AN 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.

FIRE ALARM NOTES

PROVIDE SPACE ON ELECTRICAL PANEL FOR LOCK-ON BREAKER, IDENTIFIED WITH RED MARKING, FOR 120 VOLTS FIRE ALARM CIRCUIT, WITH BREAKER LABELED AS FIRE ALARM CIRCUIT, CEC 760.41 (B).
BREAKER AND CIRCUIT PROVIDED AND INSTALLED ON SITE BY OTHERS.

SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES TO BE PROVIDED AND INTERCONNECTED TO THE FIRE ALARM SYSTEMS ON SITE BY OTHERS

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM SYSTEM FOR ALL SITES, THE FIRE ALARM SYSTEM AND COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO EXISTING CONDITIONS OR INCOMPATIBLE

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

| | | | | · | | |
|------|----------|------|----------|-----------|--------|----------|
| WIRE | CAPACITY | WIRE | <u> </u> | NO. OF CO | | R |
| SIZE | | TYPE | 1/2" C | 3/4" C:MI | TT1" C | 1 1/4" C |
| #12 | 20A | THHN | 9 | 16 | 25 | 45 |
| #10 | 30A | THHN | 5 | 10 | 16 | 28 |
| #8 | 45A | THHN | 2 | 5 | 8 | 14 |
| #6 | 65A | THHN | 1 | 3 | 5 | 10 |
| #4 | 85A | THHN | 1 | 2 | 4 | 7 |

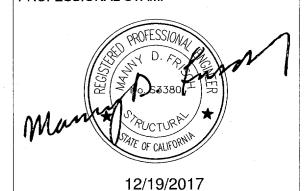
JUNCTION BOX SIZE TABLE

| DOV | CIZE | CLLIN | MAX | K NO. OF | CONDUC | TORS |
|-----|--------------------|---------|-----|----------|--------|------|
| BOX | SIZE | CU. IN. | #12 | #10 | #8 | #6 |
| 4SS | 1 1/4"x4" SQ | 18.0 | 8 | 7 | 6 | 0 |
| 48 | 1 1/2"x4" SQ | 21.0 | 9 | 8 | 7 | 0 |
| 4SD | 2 1/8"x4" SQ | 30.3 | 13 | 12 | 10 | 、6 |
| 4SX | 2 7/8"x4" SQ | 43.5 | 23 | 21 | 17 | 10 |
| 5SD | 2 1/8"x4-11/16" SQ | 42.0 | 18 | 16 | 14 | 6 |
| 5SX | 3 7/8"x4-11/16" SQ | 86.0 | 38 | 34 | 28 | 17 |
| 664 | 4"x6" SQ | 144.0 | 64 | 57 | 48 | 28 |

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121488 INC:

REVIEWED FOR
SS FLS ACS DATE: 6/29/2023

PROFESSIONAL STAMP



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CLASS LEASING LLC

1221 Harley Knox Boulevard Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: PC-128

IDENTIFICATION STAMP

SIVISION OF THE STATE ARCHITECT

04 - 116504

AC_RM_FLS_EA_SSR_KER

DATE 07/19/2018

PROJECT TITLE

24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT

Code: [2016] CBC

A separate project application for construction is required.

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT

DATE MAR (1 7 28)

Revision Schedule

Description

SHEET TITLE
ELECTRICAL PLAN
24x40

PROJECT NUMBER

17016A DRAWN BY

rMc/SC
CHECKED BY

JA/RT

DATE 2017/06/05

SHEET NO.

□1.U

| DANIEL A OAR - 408 | 120/20 | 08 VOLTS, 3 | φ, 3 W | IRE | | M/ | AIN LL | JGS ONLY | PANEL B | OX= 100A |
|--------------------|-------------|-------------|--------|-------|-----|------|--------|-----------|--------------------------|----------------|
| PANEL A 24" x40" | LOADCEN' | TER | SURF | ACE I | MOL | INTE |) | GRD & NEU | JTRAL BARS | AMP BUS |
| | VOL | TAMPS | | 100 | 000 | AIC | | V | OLTAMPS | |
| DESCRIPTION | φА | φВ | C/B | CKT | ф | СКТ | C/B | φА | φB | DESCRIPTION |
| AC WALL MOUNTED | 6670 | | 30 | 1 | Α | 2 | 20 | 720 | | OUTLETS |
| | | 6670 | 30 | 3 | В | 4 | 20 | | 720 | OUTLETS |
| GENERAL LIGHTING | 768 | | 20 | 5 | Α | 6 | 20 | 40 | | EXTERIOR LIGHT |
| EXTERIOR GFI/WP | | 180 | 20 | 7 | В | 8 | 20 | | | |
| | | | 20 | 9 | Α | 10 | 20 | 40 | | FIRE ALARM |
| | | | 1 | | | | : | | | |
| | | | | | | | | | | |
| SUBTOTAL | ф A 7390 | фВ 6850 | | | | | | фА 800 | ф В 720 | SUBTOTAL |
| TOTAL | 8190 | 7570 | | | | | | /120 VOLT | rs= 68.25 + .94= 77.1 | |

1" = 1'-0" ELECTRICAL PANEL_WALL MOUNTED

| | 120/2 | 08 VOLTS, 3 | φ, 3 W | /IRE | | M/ | AIN LU | JGS ONLY | PANEL BO | OX= 100A |
|------------------|-------------|-------------|--------|-------|-----|------|--------|--------------------------|---------------------|----------------|
| PANEL A 24" x40" | LOADCEN | TER | SURF | ACE I | MOL | INTE | D | GRD & NEU | TRAL BARS | AMP BUS |
| | VOL | TAMPS | | 100 | 000 | AIC | | V | OLTAMPS | |
| DESCRIPTION | φA | φB | C/B | СКТ | ф | СКТ | C/B | φА | φB | DESCRIPTION |
| AC Roof Mounted | 7360 | | 30 | 1 | Α | 2 | 20 | 720 | | OUTLETS |
| | | 7360 | 30 | 3 | В | 4 | 20 | | 720 | OUTLETS |
| GENERAL LIGHTING | 768 | | 20 | 5 | Α | 6 | 20 | 40 | | EXTERIOR LIGHT |
| EXTERIOR GFIWP | | 180 | 20 | 7 | В | 8 | 20 | | | |
| | | | 20 | 9 | Α | 10 | 20 | 40 | | FIRE ALARM |
| | | | | | | | | | | |
| | | | | | | | | | | |
| SUBTOTAL | ф A 8080 | фВ 7540 | | | | | | фА 800 | фВ 720 | SUBTOTAL |
| TOTAL | 8880 | 8260 | | | | / | 8880 |) /120 VOLT 74 AMPS + | S= 74 18.5= 92.5 | AMPS |

LEGEND

ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT

ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS

WALL MOUNTED HVAC UNIT, SEE MECHANICAL DWGS

100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH

4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT

4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)

4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM BUT NOT MORE THAN 15'-0" TO A PERPENDICULAR WALL AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)

RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING

4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING

> 4SD J-BOX FOR FIRE ALARM STROBE (DEVICE BY OTHERS). BOTTOM OF LENS 80" MIN TOP OF LENS 96" MAX AFF WITH 3/4"CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING

4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF CONTROL BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING

EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR-OPTIONAL.

CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE EXTERIOR LED LIGHT FIXTURE. 30W MAX WITH, 90 MIN BACKUP PATITICLY

OF BOX

ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE ROOF

MOUNT AT +93" AFF

GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS

> EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)

DUPLEX (WALL MOUNTED) RECEPTACLE 15A-125V-3 WIRE. MOUNT AT +15" AFF U.O.N. TO BOTTOM OF OUTLET BOX

3-WAY LIGHT SWITCH, MOUNT AT+48" AFF TO TOP OF SWITCH BOX

LIGHT SWITCH, MOUNT AT+48" AFF TO TOP OF SWTICH BOX

SINGLE BUTTON DIMMER SWITCH, AT +48" AFF, TO TOP OF SWITCH BOX, WATTSTOPPER #LMDM-101 OR EQUAL

> SINGLE SWITCH WALL OCCUPANCY SENSOR.
> WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.

ULTRASONIC CEILING OCCUPANCY SENSOR.
WATTSTOPPER W-500A OR EQUAL SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.

CEILING MOUNTED PHOTOCELL, WATTSTOPPER #LMLS-500 OR EQUAL

CEILING MOUNTED OCCUPANCY SENSOR.
WATTSTOPPER #LMPC-100 OR EQUAL. **CARBON MONOXIDE PER CBC SECTION 915**

> 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING MODEL: 24-OT-3-32-T8-A12-L41K-C4 WATTAGE: 96W (3 LAMPS/32W/T8) OR EQUAL

2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING MODEL: 24-OT-3-32-T8-EMG-T8-BX-600-A12-L41K-C4 WATTAGE: 96W (3 LAMPS/32W/T8) OR EQUAL EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE Equipped WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

SHALL COMPLY W/ CEC 700.20

NOTE: SEE 4/A3.2 FOR PHOTOMETRIC DATA

PC

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗸 DATE: 6/29/2023

PROFESSIONAL STAMP

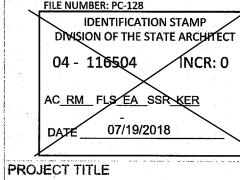


12/19/2017

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

1221 Harley Knox Boulevard Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL



24' x 40' **EXPANDABLE TO** 120' x 40'

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 04 118239 ACS FLS SS A

Revision Schedule

Description

ELECTRICAL SCHEDULES 24x40

PROJECT NUMBER

17016A DRAWN BY

rMc/SC CHECKED BY JA/RT

2017/06/05

SHEET NO.

SHEET OF SHEETS

1" = 1'-0" ELECTRICAL PANEL_ROOF MOUNTED

1" = 1'-0" LEGEND

| Building Type: | ✓ No | on residential | High-Rise Residential | | Hotel/Motel | | Installed Lighting | Watt: | s | | | | Installed Li | ghting W |
|--|--------------------|--|---|----------------------------|--|--------------|--|-----------------------|---------------------|------------------------|---|--------------------|---|---------------------------------------|
| Schools | ✓ Re | elocatable Public Schools | ☐ Conditioned Spaces | | Unconditioned Spaces | 01 | NRCC-LTI-01-E, Table H, page 5 + | 38 | 340 | | | NRCC-LT | TI-01-E, Table H, p | 1 1 |
| Phase of Construction: | ✓ Ne | ew Construction | Addition | | Alteration | 02 | Portable Only for Offices NRCC-LTI-01-E, Table G, page 4 | | | | | | | |
| Method of Compliance: | Co | omplete Building | Area Category | | Tailored | 03 | Minus Lighting Control Credits | 7 | 11 | | | Minus I | ighting Control C | redits |
| Project Address: | | | | | | 03 | NRCC-LTI-02-E, page 2 | ļ <u>'</u> | | | | | NRCC-LTI-02-E, p | |
| | | | | | | 04 | Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3) | 31 | 129 | | , | Aajustea in | n stalled Lighting I row 1 minus ۱) | |
| | | t yes for each document inc | | | | | Complies ONLY if Installed ≤ Allowed (Box 04 < Box 05) | | | Coi | mplies ON! | LY if Install | ed ≤ Allowed (Bo | x 04 < Box 05) |
| YES NO | COMP. DOC. | nergy Едлсіенсу Standaras compila ТІТLE | ince documents, refer to the Nonresidential M | anuai pubi | snea by the California Energy Commission. | <u> </u> | Allowed Lighting Power | 1 | | - | Allowed L | ighting Pow | /er | I |
| • O | NRCC-LTI-01-E | | Pages required on plans for all submittals. | | | | Conditioned NRCC-LTI-03-E, page 1 | | | | | RCC-LTI-03 | | |
| · · · · · · · | NRCC-LTI-02-E | | Compliance, and PAF Calculation. All Pages re | quired on | olans for all submittals. | 05 | Alterations with replacement luminaires that have at least | 52 | 280 | | | | minaires that have | |
| • o | NRCC-LTI-03-E | Indoor Lighting Power Allowance | ce | | | | 50/35%lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2 | | [| | | | the original existing age from NRCC-LTI | |
| 0 0 | NRCC-LTI-04-E | Tailored Method Worksheets | | | : | <u> </u> | | | <u></u> | | | | | |
| 0 0 | NRCC-LTI-05-E | Line Voltage Track Lighting Wor | | | | D. Declar | ration of Required Certificates of Installation | | | | | | | |
| 0 0 | NRCC-LTI-06-E | Indoor Lighting Existing Condition | ons | | | Declare by | y selecting yes for all of the Certificates that will be submitted. (R | etain cop | ies and ve | erify forms | are compl | eted and si | gned.) | |
| | | | | | | YES | NO Form/Title | | | | | | | |
| | | | | | | • | NRCI-LTI-01-E - Must be submitted for all buildings | | | | | | | ☐ Field Inspect |
| | | | | | | • | NRCI-LTI-02-E - Must be submitted for a lighting con | trol syste | m, or for | an Energy I | Manageme | ent Control | System (EMCS), | ☐ Field Inspect |
| | | | | | | - | to be recognized for compliance. NRCI-LTI-03-E - Must be submitted for a line-voltage | track ligi | nting inte | ral current | t limiter o | r for a suni | lementary | |
| | | | | | | | overcurrent protection panel used to energize only | _ | | | | | · . | Field Inspect |
| | | | | | | 0 | NRCI-LTI-04-E - Must be submitted for two interlock | | _ | | | vention ce | nter, a | ☐ Field Inspect |
| | | | | | | | conference room, a multipurpose room, or a theate | | | <u>.</u> | | | | |
| | | | | | | 0 | NRCI-LTI-05-E - Must be submitted for a Power Adju | | ······ | | | | | ☐ Field Inspect |
| | ! | | | | | | NRCI-LTI-06-E - Must be submitted for additional was compliance. | ttage ins | talled in a | video conf | erencing s | tudio to be | e recognized for | Field Inspect |
| CAR THE F | | and a skiel Consultance | | | April 2015 | L | compliance. | - | | - | | | | |
| CA Building Energy Efficiency Star STATE OF CALIFORNIA | iidaids - 2016 NON | гозистия сотриансе | | | April 2016 | CA Building | Energy Efficiency Standards - 2016 Nonresidential Compliance | | | | | | <u></u> | , , , , , , , , , , , , , , , , , , , |
| INDOOR LIGHTING CEC-NRCC-LTI-01-E (Revised 04/16) | | | <u> </u> | | CALIFORNIA ENERGY COMMISSION | INDOOF | R LIGHTING | | | | | | | |
| CERTIFICATE OF COMPLIANC | E | | | | NRCC-LTI-01-E | γ | TI-01-E (Revised 04/16) ATE OF COMPLIANCE | | | | | | CALIFO | DRNIA ENERGY COMM |
| Indoor Lighting | | | | to Duoneyad | (Page 4 of 6) | Indoor Lig | | | | | | | | |
| Project Name: 120'x40' (PC 04-11 | 6504) | | Ua Ua | repared | 06/25/2018 | Project Nam | ^{ne:} 120'x40' (PC 04-116504) | | | | | Date Prepar | ed: 06/25/2018 | |
| G Installed Portable Lum | inaires in Offic | es – Exception to Section 14 | 10.6(a) | | | 1 | | | | | | | | |
| | | <u> </u> | | able lumi | naires shall be documented on next page of | 1 ' | te Lighting Schedule Must Be Filled Out for Conditioned and Unco | nditioned | l Spaces. | Installed Li | ghting Pov | ver listed o | on this Lighting So | hedule is only for: |
| this compliance document | • | • | , , , , | | | ✓ COND | OITIONED SPACE UNCONDITIONED SPACE | | | | | | | |
| - This section is used to dete | ermine if greater | than 0.3 watts of portable light | ing is planned for any office | | | H. Indoo | or Lighting Schedule and Field Inspection Energy Checklist | | | | - | | | |
| • | | | cal (having the same general and portable | lighting) | may be grouped together. This allowance | | Luminaire Schedule | | stalled Wa | atts | | T | Location | Field |
| | | g different lighting systems. | Portable Luminaire W/ft ² | | Office Location Field Inspector | 01 | 02 03 | (|)4 | 05 | 06 | | 07 | |
| Office Portable Luminair 01 | re schedule | 02 03 04 | 05 06 07 | 08 | 09 10 | | · | How wat deter | • | | , g | | | |
| | | Installed | If G06 ≤ 0.3, | | | | | ueten | imieu | | ed s are | | | |
| | | F Z portable | of this per zero; | | Identify Office area in | ag or | Complete Luminaire Description | fault 48 | ng to | er aires | nstal in th HO5 | | | |
| Complete Luminaire De | escription | Dia luminaire | his per zero; (GC | 05 x G07) | which these portable 명 | ame em T | Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast) | CEC Defau from NA8 | According §130.0(c) | Number | Total Installed Watts in this (H03 xH05) | Prima | ry Function area in | which |
| (i.e., LED, under cabinet, furn | • | Watts per 🖁 💃 this office | ନ୍ତି ଓ foot If G06 > 0.3, | | luminaires are installed | 2 3 | | |] Ac | | | these | luminaires are ins | |
| direct/indirect) |) | Luminaire (G02 x G03 | (G04 / G05) (G06-0.3) | | | L-1 | 3-LAMP/32W/T8 96 | <u> </u> | | 40 | 3840 | | | 0 |
| | | 0 | | 0 | | | | | | | | | | 0 |
| | | 0 | | 0 | | | | | | | 0 | - | | 0 |
| | | 0 | | 0 | 0 0 | | | | | | 0 | | | 0 |
| | | 0 | | 0 | 0 0 | | | | | | 0 | | | 0 |
| | | | 0.234/5/2 | | Enter sum total of all pages into NRCC-LTI- | | | | | | 0 | | · | 0 |
| 10 | otai installed por | table luminaire watts that are g | greater than 0.3 W/ft² per office: | -:- | 01-E; Page 2 | • | | | | | 0 | | | 0 |
| | | | | | | | INST | | ATTS PAG | E TOTAL: | | Enter su | m total of all pag | |
| | | | | | | | | | | | 3160 | NRCC-LT | I-01-E; Page 2 | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| CA Building Energy Efficiency Sta | indards - 2016 Nor | residential Compliance | | | April 2016 | CA Building | g Energy Efficiency Standards - 2016 Nonresidential Compliance | | | | | | | |
| STATE OF CALIFORNIA INDOOR LIGHTING — | LIGHTING | CONTROLS | | | | STATE OF C | | | | | | | | |
| CEC-NRCC-LTI-02-E (Revised 01/16) | <u> </u> | | | | CALIFORNIA ENERGY COMMISSION | CEC-NRCC-L | LTI-02-E (Revised 01/16) | | | | | | CALIF | ORNIA ENERGY COM |
| CERTIFICATE OF COMPLIANO | | | | · | NRCC-LTI-02-E | | ATE OF COMPLIANCE | | | | | | | |
| Indoor Lighting - Lighting Co Project Name: 120'X40' (PC 04-11650 | | | | Date Prepare | (Page 1 of 3) | L | ghting - Lighting Controls 120'X40' (PC 04-116504) | | | | | Date Pre | pared: 06/25/2018 | |
| 120 X40 (PC 04-11030 | | | | L | 00/25/2018 | | 120 X40 (PC 04-116504) | | | | | | 06/25/2018 | |
| | Caustural Darala | ti Chahamanta (Indian | | ingues | ar no holow \ | A sonar | ate document must be filled out for Conditioned and | Uncond | litionad | Spaces T | This page | is used a | anly for the fel | lowing |
| A. Mandatory Lighting | Control Decia | ration Statements (indica | te if the measure applies by check | ing yes | or no below.) | 1 * | NDITIONED SPACES UNCONDITIONED SPACE | | illoneu | spaces. I | ilis page | is useu o | only for the for | lowing. |
| YES NO Control F | Requirements | ; | | | | E CON | NOTITIONED SPACES UNCONDITIONED SPACE | | | | | | | |
| · | • | | rol devices which are certified to the Engl | rgy Comm | ission according to the Title 20 Appliance | B. Mai | ndatory and Prescriptive Indoor Lighting Control Sch | edule. P | AF Calc | ulation. a | and Field | Inspecti | on Checklist | |
| 1 (a) () · · · · | | cordance with Section 110.9. | and the contined to the Life | . _{UT} - C(((())) | The second secon | | | | | | | 1 | PAF Credit C | alculation 2 |
| Lighting sh | | | energy management control system in ac | ccordance | with §110.9. An Installation Certificate | | | | | | | | _ | Tes |
| 1 1 | | dance with Section 130.4(b). | | <u> </u> | | | | | | dards Com _l | • | | Lig Cont V, | t Requ Cor C11 |
| | | · - | | | y Commission in accordance with §110.9 and | | | | (√ all t | that apply, | | npty | Watts of Controlled Lighting | quired ontrol Credit 11 x 12 |
| 9150.0. Au | | | bmitted in accordance with Section 130.4 anel shall be installed in accordance with | | LO.9 and Section 130.0. Additionally an | | Lighting Control Schedule | | T 65 T | if Exem | | 00 | | |
| | | l be installed in accordance with | | | | <u> </u> | 01 02 03 Type/ Description of Lighting | 04 | 05 | 06 07 | 7 08 | 09 10 | 11 | 12 13 1 |
| All lighting | | | | all be inst | alled in accordance with the manufacturer's | - | Control (i.e.: occupancy sensor, # | S | <u>8</u> 1 | φ, φ, | ဖြ | §1 §1 | | |
| | | with Section 130.1. | | | | Locat | tion in Building automatic time switch, of | §130.1 | §130.0(b) | §130.1(d) §130.1(c) | §130.1(e) | \$140.6 \$140.6 | | |
| All luminai | res shall be func | tionally controlled with manual | ON and OFF lighting controls in accordan | nce with S | ection 130.1(a). | | dimmer, automatic daylight, Units | .1(a) | (a)C | 1(d) | 1(e) |).6(d) .6(a)2 | | |
| | | | | | | | etc) | | $\bot \bot$ | | | | | |
| | - | | ner lighting systems in an area. Floor and olled on circuits that are 20 amps or less. \ | | ay, window display, case display, ornamental, | | CLASSROOM AUTOMATIC DAYLIGHT 10 | | + + | • • | | • | | 10 79 |
| | | | arately controlled; in accordance with Sec | | | | CLASSROOM OCCUPANCY SENSOR 3 | • | + + | • • | + | • | 3160 | 20 632 L |
| The genera | | | | | ds 0.5 watts per square foot shall meet the | | | | ++ | | ++ | _ | | 0 [|
| multi-level | l lighting control | requirements in accordance wi | ith Section 130.1(b). | | | | | | | | | | | 0 [|
| All installed | d indoor lighting | shall be equipped with control | s that meet the applicable Shut-OFF cont | rol requir | ements in Section 130.1(c). | | | | | | | | | 0 [|
| | | | | | | | | | | | | | | 0 [|
| Lighting in | all Daylit Zones | shall be controlled in accordance | ce with the requirements in Section 130.1 | L(d) and d | aylit zones are shown on the plans. | | IF MULTIPLE PAGES ARE USED, ENTER SU | IM TOTAL | OF Contr | | | | Sum of Column 1 | |
| Lighting po | ower in buildings | larger than 10,000 square feet | shall be capable of being automatically r | educed in | response to a Demand Responsive Signal in | <u> </u> | II MOLIIFLE FAGES ARE USED, EINIER SC | TOTAL | _ Oi COIII | or creat I | an hage: | , itent (auf | or an Column 1 | Enter Contro |
| accordance | e with Section 13 | 30.1(e). | | | | | | | | | | | | into NRCC-LT |
| Before an o | occupancy perm | it is granted for a newly constru | ucted building or area, or a new lighting s | ystem ser | ving a building, area, or site is operated for | | | | | | | | | 1. |

normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in

controls, and demand responsive controls.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF

NRCC-LTI-01-E

Date Prepared: 06/25/2018

(Page 1 of 6)

STATE OF CALIFORNIA INDOOR LIGHTING CEC-NRCC-LTI-01-E (Revised 04/16)

Indoor Lighting

Climate Zone:

CERTIFICATE OF COMPLIANCE

A. General Information

Project Name: 120'x40' (PC 04-116504)

Conditioned Floor Area: 4800

Unconditioned Floor Area:

| 000 | CALIFORNIA OR LIGHTING C-LTI-01-E (Revised 04/16) | CALIFORNIA ENERGY COMMISSION | STATE OF CAINDOOF CEC-NRCC-L | LIGH1 | | CALIFORNIA ENERGY COMMISSION |
|--------|--|--|---------------------------------|-----------------------------------|---|---------------------------------------|
| RTIFI | CATE OF COMPLIANCE | NRCC-LTI-01-E | CERTIFICA | | | NRCC-LTI-01-E |
| loor l | Lighting | (Page 2 of 6) | Indoor Lig | hting | | (Page 3 of 6) |
| ject N | ^{ame:} 120'x40' (PC 04-116504) | Date Prepared: 06/25/2018 | Project Nam | e: 120'x40' | (PC 04-116504) Date Prepared: | 06/25/2018 |
| Sum | nmary of Allowed Lighting Power | | E. Declar | ation of | Required Certificates of Acceptance | |
| nditi | ioned and Unconditioned space Lighting must not be combined for compliance | ice | 1 | | gyes for all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are comp | pleted and signed.) |
| | Indoor Lighting Power for Conditioned Spaces | Indoor Lighting Power for Unconditioned Spaces | YES | NO | FORM/TITLE | |
| | Watts | | • | 0 | NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls. | ☐ Field Inspector |
| 01 | Installed Lighting NRCC-LTI-01-E, Table H, page 5 + 38 | Installed Lighting NRCC-LTI-01-E, Table H, page 5 + | • | 0 | NRCA-LTI-03-A - Must be submitted for automatic daylight controls. | ☐ Field Inspector |
| 02 | Portable Only for Offices NRCC-LTI-01-E, Table G, page 4 + | | 0 | 0 | NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls. | ☐ Field Inspector |
| 03 | Minus Lighting Control Credits NRCC-LTI-02-E, page 2 71 | Minus Lighting Control Credits NRCC-LTI-02-E, page 2 | 0 | • | NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF). | |
| 04 | Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3) = 31. | Adjusted Installed Lighting Power | 1 ' | | g Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on the spaces. | this Lighting Schedule is only |
| | Complies ONLY if Installed ≤ Allowed (Box 04 < Box 05) | Complies CNLY if Installed ≤ Allowed (Box 04 < Box 05) | for: 🗸 | ONDITIO | NED SPACE UNCONDITIONED SPACE | |
|)5 | Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35%lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2 | Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35% lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2 | ☐ The a☐ Wher☐ Wher | ctual indo Complet Area Cat | s Schedule and Field Inspection Energy Checklist or lighting power listed on the next 2 pages includes all installed permanent and planned portable lighting see Building Method is used for compliance, list each different type of luminaire on separate lines. Regory Method or Tailored Method is used for compliance, list each different type of luminaire by each different lighting in schedule, and submit the track lighting compliance document (NRCC-LTI-05-E) when line-voltage. | erent function area on separate lines |
| Dec | laration of Required Certificates of Installation | | Also I | ilciuue tie | the lighting in schedule, and submit the track lighting compliance document (NACC-E11-03-E) when line-voltage | se track lighting is installed. |
| | by selecting yes for all of the Certificates that will be submitted. (Retain copi | ies and verify forms are completed and signed) | | | | |
| YES | | nes and verify forms are completed and signed. | | | | |
| • | NRCI-LTI-01-E - Must be submitted for all buildings | ☐ Field Inspector | | | | |
| • | NRCI-LTI-02-E - Must be submitted for a lighting control system to be recognized for compliance. | em, or for an Energy Management Control System (EMCS), | | | | |
| 0 | NRCI-LTI-03-E - Must be submitted for a line-voltage track ligh overcurrent protection panel used to energize only line-voltage. | Field Inspector | | | | |

Field Inspector

☐ Field Inspector

Field Inspector

CALIFORNIA ENERGY COMMISSION

April 2016

NRCC-LTI-01-E (Page 5 of 6)

Field Inspector 1

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January 2016

also required to be filled out, signed, and submitted.

Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.

2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is

| CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance | April 2016 |
|--|---|
| STATE OF CALIFORNIA | |
| CEC-NRCC-LTI-01-E (Revised 04/16) | CALIFORNIA ENERGY COMMISSION |
| CERTIFICATE OF COMPLIANCE | NRCC-LTI-01-E |
| Indoor Lighting | (Page 6 of 6) |
| ^{Project} <mark>ኒሪ</mark> ሮኒኒኒኒር (PC 04-116504) | Date Prepared: 06/25/2018 |
| DOCUMENTATION AUTHOR'S DECLARATION STATEMENT | · |
| I certify that this Certificate of Compliance documentation is accurate and complet | te. |
| Documentation Author Name: RALPH M. TAVARES | Documentation Author Signature: |
| Company: R&S TAVARES ASSOCIATES, INC. | Signature Date: 06/25/2018 |
| Address: 11777 BERNARDO PLAZA CT. SUITE 105 | CEA Certification Identification (if applicable): |
| City/State/Zip: SAN DIEGO, CA 92128 | Phone: 858-444-3344 EXT 1801 |
| RESPONSIBLE PERSON'S DECLARATION STATEMENT | |
| I certify the following under penalty of perjury, under the laws of the State of California | a: |
| 1. The information provided on this Certificate of Compliance is true and correct. | |
| I am eligible under Division 3 of the Business and Professions Code to accept responsible designer). | onsibility for the building design or system design identified on this Certificate of Compliance |
| 3. The energy features and performance specifications, materials, components, and | manufactured devices for the building design or system design identified on this Certificate of |
| Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California | |
| | e of Compliance are consistent with the information provided on other applicable compliance |
| documents, worksheets, calculations, plans and specifications submitted to the en | * ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' |
| | e made available with the building permit(s) issued for the building, and made available to the |
| builder provides to the building owner at occupancy. | signed copy of this Certificate of Compliance is required to be included with the documentation the |
| Responsible Designer Name: | Responsible Designer Signature: |
| Responsible Designer Name: MANNY D. FRISCH | Museus . Political |
| Company: R&S TAVARES ASSOCIATES, INC. | Date Signed: 06/25/2018 |
| Address: 11777 BERNARDO PLAZA CT. SUITE 105 | License: S3380 |
| City/State/Zip: SAN DIEGO, CA 91218 | Phone: 858 444 3344 EXT 1810 |

| CA Duilding France, Cfficiones, Car | and and a 2010 Normani dential Commitment | | | | | | | | | | | | 12016 | | |
|--|---|--------------|----------|----------|---------------|----------|-------------------------|--------------|------------------------------|-----------|--------------------------------|------------------|--------------|----------------|--|
| CA Building Energy Efficiency Sta STATE OF CALIFORNIA | andards - 2016 Nonresidential Compliance | | | | | | | | | | | Apr | il 2016 | * | ards - 2016 Nonresidential Compliance April 2016 |
| | - LIGHTING CONTROLS | | | | | | | | | | | | 9 | | IGHTING CONTROLS |
| CEC-NRCC-LTI-02-E (Revised 01/16) | | | | | | | | | | CALIFORN | A ENERGY | | | | CALIFORNIA ENERGY COMMISSION |
| CERTIFICATE OF COMPLIANO | | | | | | | | | | | | | CC-LTI-02 | | NRCC-LTI-02-E |
| Indoor Lighting - Lighting Co | | | | | | | | - | | | | (P | age 2 of | 3) | Pols (Page 3 of 3) |
| Project Name: 120'X40' (PC 04-1165 | 504) | | | | - | | j | Date Prepare | ed: 06/25/20 | 18 | | | _ | | Date Prepared: 06/25/2018 |
| - | | | | | | - | - | | | | | | | | |
| A separate document m | nust be filled out for Conditione | d and U | ncondi | tioned | d Snac | es Thi | is nage is i | used on | ly for the | follow | ing, | | - | | |
| ✓ CONDITIONED SPACE | | | | tionica | 1 Space | | is page is t | uscu on | ily for the | 1011011 | …ь. | | | | |
| CONDITIONED SPAC | CE2 | SPACES | | | | | | | | | | | | | CLARATION STATEMENT f Compliance documentation is accurate and complete. |
| | | | | | | | | | | | | | | | |
| B. Mandatory and Pre | escriptive Indoor Lighting Contr | ol Sched | lule, PA | AF Calo | culatic | on, and | d Field Ins | spection | n Checklis | it | | | | | |
| | | | | - | | | | | PAF Cred | dit Calcu | lation ² | < | _ | | Signature Date: 06/25/2018 |
| | | | | | | | | | | | | if Ac Test | ield | | T. SUITE 105 CEA Certification (if applicable): |
| | | | | | | | ing With ¹ | | Watts of Controlled Lighting | | ر ن رن | Re Ce | Insp | | Phone: 858 444 3344 EXT 1801 |
| | | | | (√ all | • | | leave empty | У | rolle | PAF | Control Credit (11 x 12) | ptance quired | ecto | | ATION STATEMENT |
| Ligh | hting Control Schedule | | ļ | | If E | Exempte | ea) | | <u> </u> | = | <u> </u> | <u> </u> | ٩ | | ty of perjury, under the laws of the State of California: |
| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 09 | 10 | 11 | 12 | 13 | 14 | 15 | | this Certificate of Compliance is true and correct. |
| | Type/ Description of Lighting | | | | | | | | | | | | | | of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance |
| | Control (i.e.: occupancy sensor, | # | §130. | §130 | §130. | §130 | §14 §1 | §140 | | | | | | | ormance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of |
| Location in Building | automatic time switch, | of | 30 | 30.0 | 30. | | §140.6(a)2 §130.1(e) | 10.6 | | 1 1 | | | Pass | Fail | equirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. |
| | dimmer, automatic daylight, | Units | .1(a) | .o(b) | .1(c) | 1(d) | 6(a)2 | .6(d) | | | | | " | _ | or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance |
| | etc) | | | | | | | | | | | | | | ulations, plans and specifications submitted to the enforcement agency for approval with this building permit application. d signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the |
| CLASSROOM | AUTOMATIC DAYLIGHT | 10 | • | • | • | • | | <u> </u> | 790 | .10 | 79 | | 0 | \overline{a} | pplicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the pocumentation the |
| CLASSROOM | OCCUPANCY SENSOR | 3 | | • | + + + | | 1 | | 3160 | .20 | 632 | | T O | | ng owner at occupancy. |
| <u> </u> | COOT AIRCH SERIOR | + | | | + | | | ļ | 5200 | 120 | 0 | | 0 | | FRISCH Responsible Designer Signature: Museum 1. Fuse of the second seco |
| | | | | | | | | | | | 0 | | 0 | | S, INC. Date Signed: 06/25/2018 |
| | | | | | | | | | | 1 | 0 | | 0 (| | T. SUITE 105 License: S3380 |
| | | | <u> </u> | ļ | \longmapsto | | | - | | | 0 | | 0 (| | Phone: 858 444 3344 EXT 1810 |
| | | <u> </u> | 1 | L | | ntual Cr | edit PAGE T | OTAL (Su | m of Colum | 12) | 0 | با | 1010 | \subseteq | |
| | IF MULTIPLE PAGES ARE USED, E | NTER SLIM | 1 ΤΩΤΔΙ | OF Con | | | | | | | | 711 | | \dashv | |
| | II WOLLI LE L'AGES ARE OSES, E | IVI EIL JOIV | TOTAL | 01 0011 | - CIC | cuit 101 | an pages ric | INL (Julii | Of all Colum | 1111 13). | Enter Co | ntrol Cr | edit total | _ | |
| | | | | | | | | | | | | | L-E; Page | - 1 | APPROVED |
| | | | | | | | | | | | 1 | C-F11-01 | L-L, rage | ٠ | DIVISION OF STATE ARCHITECT |
| 4.6420.4() 44 : | | 241 | . 6/ | 000 00 | | | | | 0.4/ 1. 5 | | 1. | | -/ () | | HIGH PERFORMANCE SECTION |
| 1. §130.1(a) = Manual area (| controls; §130.0(b) = Multi Level; §130 | J.1(c) = Au | to Shut- | Off; §1. | .30.1(d) |) = Man | datory Dayli | ight; §13 | U.1(e) = Dei | mand Re | sponsive, | ; §140.6 | $\rho(d) =$ | | 1 ADD # DU-11/0504 DATE: 7.10.18 |



PROFESSIONAL STAMP



12/19/2017

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

1221 Harley Knox Boulevard

Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL FILE NUMBER: PC-128 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT AC RM FLS EA SSR KER

07/19/2018

PROJECT TITLE

24' x 40' **EXPANDABLE TO** 120' x 40'

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for

construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

Revision Schedule

Description

120'x40' T24 CZ 16 (WALL AC)

PROJECT NUMBER 17016A

rMc/SC

CHECKED BY JA/RT

2018/06/26

January 2016

SHEET OF SHEETS

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

| | STATE OF CALIFORNIA OUTDOOR LIGHTING CEC-NRCC-LTO-01-E (Revised 04/16) | CALIFORNIA ENERGY COMMISSION | | STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS CEC-NRCC-LTO-02-E (Revised 08/16) | CALIFORNIA ENERGY COMMISSION |
|--|--|---|--|---|---|
| CERTIFICATE OF COMPLIANCE Outdoor Lighting | NRCC-LTO-01-E CERTIFICATE OF COMPLIANCE (Page 1 of 4) Outdoor Lighting | NRCC-LTO-0 (Page 2 o | | CERTIFICATE OF COMPLIANCE Outdoor Lighting Controls | NRCC-LTO-0: (Page 1 of |
| Project Name: 120'x40' (PC 04-116504) Date Prepared: 03/05/20 | 18 Project Name: 120'x40' (PC 04-116504) | Date Prepared: 03/05/2018 | | Project Name: 120'x40' (PC 04-116504) | Date Prepared: 03/05/2018 |
| A. General Information | G. Schedule of Luminaires Exempt from the | Cutoff Requirements in §130.2(b) | | | |
| Project Address: Total Illuminate NA NA | ed Hardscape Area: 01 Name or Symbol | 02 Description of exempt luminaire in accordance with the exemptions | | A. Mandatory Outdoor Lighting Control Declaration Statements | |
| Phase of Construction: ✓ New Construction ☐ Addition ☐ Alteration Outdoor Lighting Zone (LZ) ☐ LZ-1 ☐ LZ-2 ✓ LZ-3 | | | | Check all that apply: Lighting shall be controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting controlled by self-contained lighting control devices which are certain the controlled by self-contained lighting contained | ertified to the Energy Commission according to the Title 20 Appliance Efficiency |
| Outdoor Lighting Zone (LZ) LZ-1 | | | | Regulations in accordance with §110.9(a). Lighting shall be controlled by a lighting control system or energy management co in accordance with §130.4(b). | ontrol system in accordance with §110.9. An Installation Certificate shall be submitted |
| B. Lighting Compliance Documents (check box for each document included) For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonre | sidential Manual H. Schedule of Luminaires Exempt from the Company of the Compan | Outdoor Lighting Control Requirements in §130.2(c) | | All lighting controls and equipment shall comply with the applicable requirements accordance with §130.0(d). | |
| published by the California Energy Commission. ✓ NRCC-LTO-01-E Certificate of Compliance | 01 | 02 Description of exempt luminaire in accordance with the exemptions | | Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet th All outdoor incandescent luminaires rated over 100 watts, determined in accordance. | |
| ✓ NRCC-LTO-02-E Outdoor Lighting Controls Certificate of Compliance | Name of Symbol | Description of exemptionis | | All outdoor luminaires rated for use with lamps greater than 150 lamp watts, dete Uplight and Glare requirements in accordance with Section 130.2(b) | ermined in accordance with Section 130.0(c), shall comply with |
| ✓ NRCC-LTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance ☐ NRCC-LTO-04-E Outdoor Lighting Existing Conditions Certificate of Compliance | | | | All installed outdoor lighting shall be controlled by a photocontrol or outdoor astr in accordance with Section 130.2(c)1. | |
| C. Summary of Allowed Outdoor Lighting Power Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1 | Watts | | | All installed outdoor lighting shall be circuited and independently controlled from accordance with Section 130.2(c)2. All installed outdoor lighting, where the bottom of the luminaire is mounted 24 fe | |
| Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-LTO-04, page 2. | 120 | | | controls in accordance with Section 130.2(c)3. For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance. | |
| Complies ONLY if Installed (Box 02) ≤ Allowed (Box 01) 02 Sum Total INSTALLED Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3. | 120 | | | ☐ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an autor ☐ Before an occupancy permit is granted for the newly constructed building or for the shall be certified as meeting the Acceptance Requirements for Code Compliance in | the addition, or for any altered outdoor lighting controls, |
| D. Declaration of Required Installation Certificates | | | | applicable requirements of Section 130.2(c) and Reference Nonresidential Append | |
| Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify compliance documents a signed.) | are completed and | | | | |
| ✓ NRCL-LTO-02-F - Must be submitted for a lighting control system, or for an Energy Management Control | d Inspector | | | | |
| System (EMCS), to be recognized for compliance. | Inspector | | | | |
| E. Declaration of Required Certificates of Acceptance Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents) | cuments are completed | | | CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance | August 2 |
| and signed.) NRCA-LTO-02-A - Must be submitted for outdoor lighting controls. | Inspector | | | STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS CEC-NRCC-LTO-02-E (Revised 08/16) | CALIFORNIA ENERGY COMMISSION |
| F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7 | | | | CERTIFICATE OF COMPLIANCE Outdoor Lighting Controls Project Name: Appl 484 (SO 04 446554) | NRCC-LTO-02 (Page 2 of |
| Name or Symbol Description of exempt luminaire in accordance with the exempt | otions | | | Project Name: 120'x40' (PC 04-116504) | Date Prepared: 03/05/2018 |
| | | | | B. Mandatory Outdoor Lighting Control Schedule and Field Inspection | n Checklist |
| | | | | Outdoor Lighting Control Schedule | Standards Complying With |
| CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance STATE OF CALIFORNIA OUTDOOR LIGHTING | April 2016 CA Building Energy Efficiency Standards - 2016 Nonro | esidential Compliance April 2016 STATE OF CALIFORNIA OUTDOOR LIGHTING | | | (✓ all that apply, or leave empty if Quired Spector |
| CEC-NRCC-LTO-01-E (Revised 04/16) CERTIFICATE OF COMPLIANCE | CALIFORNIA ENERGY COMMISSION NRCC-LTO-01- | CEC-NRCC-LTO-01-E (Revised 04/16) | CALIFORNIA ENERGY COMMISSION NRCC-LTO-01 | -E 01 02 | 03 04 05 06 07 08 09 10 11 |
| Outdoor Lighting Project Name: 120'x40' (PC 04-116504) | Page 3 of 4 Date Prepared: 03/05/2018 | Outdoor Lighting Project Name: 120'x40' (PC 04-116504) | (Page 4 of Date Prepared: 03/05/2018 | Type/ Description of Lighting Control (i.e. outdoor motion sensor, outdoor Location and Application of | (c) 1 (c) 3 (c) 5 (c) 5 (c) 5 |
| I. Outdoor Lighting Schedule and Field Inspection Energy Checklist | | DOCUMENTATION AUTHOR'S DECLARATION STATEMENT | 34/35/2025 | Luminaires Being switch control, automatic scheduling | of Oults \$130.2 \$ |
| Luminaire Schedule Installed Watts | Location Cutoff Inspector | I certify that this Certificate of Compliance documentation is accurate and of Documentation Author Name: RALPH M. TAVARES | Degumentation Author Comptures | Controlled control, part-night outdoor lighting control) | |
| 01 02 03 04 05 | Location Cutoff Inspector 06 07 08 09 | RALPH M. TAVARES Company: R&S TAVARES ASSOCIATES, INC. | Signature Date: 03/05/2018 | ENTRY DOOR PHOTOCELL CONTROLLED | 4 |
| How wattage was determined | Primary Function area in | Address: 11777 BERNARDO PLAZA CT. SUITE 105 | CEA Certification Identification (if applicable): | | |
| Name or Item Tag Complete Luminaire Description La | which these luminaires are BUG Rating Se Lie Lie Lie Lie Lie Lie Lie Lie Lie Li | City/State/Zip: SAN DIEGO, CA 92128 RESPONSIBLE PERSON'S DECLARATION STATEMENT | Phone: 858 444 3344 EXT 1801 | | |
| Watts Lumina CEC Del from Ny from No | O (Outdoor Lighting Zone) | I certify the following under penalty of perjury, under the laws of the State of Ca 1. The information provided on this Certificate of Compliance is true and corr | | | |
| D EXTERIOR LED LIGHT FIXTURE 30W MAX WITH PHOTOCELL MOUNT AT 93" AFF | MAIN ENTRANCE UH: UL: | I am eligible under Division 3 of the Business and Professions Code to accel (responsible designer). | ot responsibility for the building design or system design identified on this Certificate of Compliance | | |
| 30 🗸 🗆 4 | 120 FVH: O O | Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the | | | |
| | BVH: FH: | documents, worksheets, calculations, plans and specifications submitted to | rtificate of Compliance are consistent with the information provided on other applicable compliance the enforcement agency for approval with this building permit application. shall be made available with the building permit(s) issued for the building, and made available to the | | |
| | BH: | enforcement agency for all applicable inspections. I understand that a com | pleted signed copy of this Certificate of Compliance is required to be included with the documentation the | | |
| | UL: | Responsible Designer Name: MANNY D. FRISCH | Responsible Designer Signature: Muniph. First | | |
| | 0 FVH: O O | Company: R&S TAVARES ASSOCIATES, INC. Address: 11777 BERNARDO PLAZA CT. SUITE 105 | Date Signed: 03/05/2018 License: S3380 | | |
| | FH: | City/State/Zip: SAN DIEGO, CA 92128 | Phone: 858 444 3344 EXT 1810 | CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance | August 2 |
| | UH: | | | STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS | |
| | O UL: | | | CEC-NRCC-LTO-02-E (Revised 08/16) CERTIFICATE OF COMPLIANCE | CALIFORNIA ENERGY COMMISSION NRCC-LTO-02 |
| | BVH: FH: | | | Outdoor Lighting Controls Project Name: 120'x40' (PC 04-116504) | Page 3 of Date Prepared: 03/05/2018 |
| | BH: Enter sum total of all pages (Sum Total | | | DOCUMENTATION AUTHOR'S DECLARATION STATEMENT | 03/03/2018 |
| INSTALLED WATTS PAGE TOTAL: | 120 INSTALLED Outdoor lighting wattage) into 120 NRCC-LTO-01-E; Page 1 | | | 1. I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name: RALPH M. TAVARES Documentation Author Signature (Compliance documentation is accurate and complete). | ignature: Jan |
| | | - - | | Company: R&S TAVARES ASSOCIATES, INC. Signature Date: 03/05/2 Address: 41777 REPAIR DO DI 474 CT SULTE 405 CEA Certification Identifica | 2018 |
| CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance | April 2016 | | | Address: 11777 BERNARDO PLAZA CT. SUITE 105 City/State/Zip: SAN DIEGO, CA 92128 Phone: 858 444 3344 | |
| | | | | RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: | |
| | | | | The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibilit (responsible designer). | ty for the building design or system design identified on this Certificate of Compliance |
| | | | | 3. The energy features and performance specifications, materials, components, and manufa Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Compliance | ode of Regulations. |
| | | | APPROVED | The building design features or system design features identified on this Certificate of Condocuments, worksheets, calculations, plans and specifications submitted to the enforcem Juilly ensure that a completed signed copy of this Certificate of Compliance shall be made. | nent agency for approval with this building permit application. |
| | | | DIVISION OF STATE ARCHITECT HIGH PERFORMANCE SECTION | builden and de to the building comes to come a | copy of this Certificate of Compliance is required to be included with the documentation the |
| | | | APP.#04-116504 DATE: 7-10-18 | Responsible Designer Name: MANNY D. FRISCH | nature: Many D. From |
| | | | L. W. W. X. | Company: R&S TAVARES ASSOCIATES, INC. Date Signed: 03/05/20: 11777 BERNARDO PLAZA CT. SUITE 105 License: S3380 | 018 / |
| | | | | City/State/Zip: SAN DIEGO, CA 92128 Phone: 858 444 3344 | EXT 1810 |
| | | | | | |

STATE OF CALIFORNIA

| R | DIV. OF T | IFICATION STA HE STATE ARC | HITEC |
|---|-----------|-------------------------------|--------|
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| - | DATE: _ | 6/29/2023 | SERVIC |

NRCC-LTO-02-E (Page 1 of 3)

August 2016

NRCC-LTO-02-E (Page 2 of 3)

August 2016

NRCC-LTO-02-E (Page 3 of 3)

August 2016

CALIFORNIA ENERGY COMMISSION

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

12/19/2017

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE **EXPRESS WRITTEN CONSENT OF R&S** TAVARES ASSOCIATES, INC. ©



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|------|---------------------------------|
| ` | IDENTIFICATION STAMP |
| | DIVISION OF THE STATE ARCHITECT |
| | 04 - 116504 INCR: 0 |
| | |
| | AC RM FLS EA SSR KER |
| | DATE 07/19/2018 |
| | |

PROJECT TITLE

24' x 40' **EXPANDABLE TO** 120' x 40'

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

Revision Schedule

Description

Date

SHEET TITLE

120'x40' T24 CZ 16 (WALL AC)

PROJECT NUMBER 17016A

DRAWN BY rMc/SC

CHECKED BY JA/RT

2018/03/08

| C-INICO-ELO-01-E (ICAISCE 61716) | Electrical Power Distribution CEC-NRCC-ELC-01-E (Revised 01/16) | CALIFORNIA ENERGY | | | RNIA ENERGY COMMISSION NRCC-ELC-01-E | Electrical Power Distribution CEC-NRCC-ELC-01-E (Revised 01/16) CERTIFICATE OF COMPLIANCE | CALIFORNIA ENERGY COMMISSION NRCC-ELC-01-I |
|--|--|---|--------------------------|--|--|---|---|
| ENTIFICATE OF COMPLIANCE | C-ELC-01-E CERTIFICATE OF COMPLIANCE Electrical Power Distribution | | NRCC-ELC-01-E Page of | CERTIFICATE OF COMPLIANCE Electrical Power Distribution | Page of | Electrical Power Distribution | Page of |
| Date Prepared: | Page of Electrical Power Distribution Project Name: 120'x40' (PC 04-116504) | Date Prepared: 04/24/2018 | | Data Brongrad | 04/24/2018 | Project Name: 120'x40' (PC 04-116504) | Date Prepared: 04/24/2018 |
| | | | | | | DOCUMENTATION AUTHOR'S DECLARATION STATEMENT | |
| General Information roject Address: Climate Zone: Conditioned Floor Area: | B. Separation of Electrical Circuits for Electric Check all boxes below if the electrical power distribution | | | C. Voltage Drop Check all boxes below if he electrical power distribution system is in compliance with Section 130.5(c). | Enforcement Agency Check that the system | I certify that this Certificate of Compliance documentation is accur | |
| 4800 | The electrical power distribution system meets the s | separation of electrical circuits for electrical energy monitoring requirem | nent of Section | | complies | Documentation Author Name: RALPH M. TAVARES | Documentation Author Signature: |
| 16 Unconditioned Floor Area: | 130.5(b). The electrical power distribution systems is according to TABLE 130.5-B. | is designed so that measurement devices can monitor the electrical ener | rgy usage of load types | The electrical power distribution system meets the voltage drop requirement of Section 130.5(c). The maximum combined voltage drop on feeder conductors and branch circuit conductors to the farthest | | Company: R&S TAVARES ASSOCIATES, INC. | Signature Date: 04/24/2018 CEA/ HERS Certification Identification (if applicable): |
| ding Type: Nonresidential High-Rise Residential Hotel/Motel | Describe the electrical power distribution system ins | stalled and the compliance method chosen in meeting the requirement | of Section 130.5(b). | connected load or outlet, do not exceed 5%. | | 11777 BERNARDO PLAZA CT. SUITE 105 | Phone: 858-444-3344 EXT 1801 |
| hools Relocatable Public Schools Conditioned Spaces Unconditioned Spaces | · | amples of compliance methods are detailed in Nonresidential Complianc | ce Manual Chapter 8. | ☐ Voltage drop calculation documents showing compliance to Section 130.5(c) are submitted as part of the | | City/State/Zip: SAN DIEGO, CA 92128 RESPONSIBLE PERSON'S DECLARATION STATEMENT | 000-444-3344 EXT 18U1 |
| of Construction: New Construction Addition Alteration | Fill out Column 1 thru 3 with the compliance information Electric | on. cal Power Distribution System information Electrical Service | e Enforcement | Compliance document submittal. | | I certify the following under penalty of perjury, under the laws of the | |
| | General Information | and Method of compliance Rating | Agency | | | The information provided on this Certificate of Compliance is true I am eligible under Division 3 of the Business and Professions Coc | e and correct. The to accept responsibility for the building design or system design identifie |
| table below identify all applicable construction documents that specify the requirements for the scope of responsibil s certificate. Use additional pages as needed to list all construction documents related to compliance of Section 130.5 | | be the electrical power distribution system | 04 Check that the | | | on this Certificate of Compliance (responsible designer). | |
| Document Title/Descriptions Indicate which so | n to the transfer of the trans | talled and the compliance method used kVA | system complies | D. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles | Field Inspector | | omponents, and manufactured devices for the building design or system erquirements of Title 24, Part 1 and Part 6 of the California Code of |
| Document Number (include description information for Table or Schedule if it contains Page # document (e.g. | 11 11122 11111 221 2112111 2 2 1 2 1 2 | NA 0 | | Check one or more boxes below for applicable requirements of Section 130.5(d) for the electrical power distribution system. | Check that the system complies | Regulations. | |
| compliance information) rage # document (e.g. service electrical | | | | | | | on this Certificate of Compliance are consistent with the information s, calculations, plans and specifications submitted to the enforcement |
| | | | | The control is capable of automatically shutting OFF the controlled receptacles when the space is typically unoccupied, either at the receptacle or circuit level. For the automatic time switch control, it incorporates an | n | agency for approval with this building permit application. | ompliance shall be made available with the building permit(s) issued for the |
| | | | | override control that allows the controlled receptacle to remain ON for no more than 2 hours when an | | building, and made available to the enforcement agency for all a | oplicable inspections. I understand that a completed signed copy of this |
| d Row Remove Last | | | | override is initiated and an automatic holiday "shut-OFF" feature that turns OFF all loads for at least 24 hour and then resumes the normally scheduled operation. Countdown timer switches are not be used to comply | 1 ' | Certificate of Compliance is required to be included with the doc | Responsible Designer Signature: Muniform D. Further States |
| vice Electrical Metering | | | | with the automatic time switch control requirements. The controls meet the requirement of Section 130.5(d | · 1 | Responsible Designer Name: MANNY D. FRISCH Company: Description: ASSOCIATES INC. | Responsible Designer Signature: Date Signed: 04/24/2018 |
| one of the three boxes below if the electrical power distribution system is in compliance with Section 130.5(a). | Ela) Fill out | | p | There is at least one controlled receptacle within 6 ft from each uncontrolled receptacle. Where receptacles | | Company: R&S TAVARES ASSOCIATES, INC. Address: 11777 REPNARDO PLAZA CT SUITE 105 | 04/24/2018 // License: S3380 |
| r newly installed electrical service in newly constructed buildings, Service Electrical Metering is required according to Section 130 <i>lumn 1 through 6 of table below.</i> | 5(a). FIII OUT | | | are installed in modular furniture in open office area, at least one controlled receptacle is installed at each | | Address: 11777 BERNARDO PLAZA CT. SUITE 105 City/State/Zip: SAN DIEGO, CA 91218 | Phone: 858 444 3344 EXT 1810 |
| or new or replacement electrical service equipment in existing buildings, Service Electrical Metering is required according to Section | n | | | workstation. The receptacles meet the requirement of Section 130.5(d)2. | | SAN DIEGO, OA 31210 | OUU TTT OUTT EAT TOTO |
| 41.0(b)2Pi. Fill out Column 1 through 6 of table below. | instantaneous | | | There are installed split wired receptacles with at least one controlled and one uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is | s | | |
| CEPTION to Electrical Service Metering: Service or feeder for which the utility company provides a metering system that indicate V demand and kWh for a utility-defined period. <i>Fill out Column 1, 2 and 6 of table below with the compliance information</i> . | mocantaneous | | | installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2. | | | |
| a separate line for each electrical service that is connected to the building. Electrical Service Schedule Electrical Metering Capabilities (check all that are present) Exception to | Field Inspector | | | Permanent and durable marking for controlled receptacles or circuits to differentiate them from uncontrolle receptacles or circuits is provided. The markings meet the requirement of Section 130.5(d)3. | ed | | |
| | 08 | | | For hotel and motel guest rooms, there are controlled receptacles for at least one-half of the 120-volt | | | |
| 01 02 03 04 05 06 07 | | | | receptacles in each guest room. Electric circuits serving controlled receptacles in guestrooms are installed to | 1 | | |
| Instantaneous Tracking kWh | Check that the Field Inspector Notes: | | | have captive key controls, occupancy sensing controls, or automatic controls so the power is switched off no longer than 30 minutes after the guest room has been vacated. The receptacles meet the requirement of | | | |
| lectrical Service Designation/ kVA (at the time) Historical for a kWh per Utility metering least (kW) user-definably rate period system | metering | | | Section 130.5(d)4. | | | |
| kW peak (ktt) and defined system | complies | | | Receptacles that are only for the following purposes are excepted from Section 130.5(d): - Receptacles specifically for refrigerators and water dispensers in kitchen areas. | | | |
| | | | | - Receptacles located a minimum of six ft above the floor that are specifically for clocks. | in l | | |
| /ILL VARY DEPENDING ON CLIENT'S E PROJECT - RELOCATABLE PUBLIC 0 | | | | Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers copy rooms. | s in | | |
| SCHOOL SC | | | | - Receptacles on circuits rated more than 20 amperes. | | | |
| d Row Remove Last | | | | Receptacles connected to an uninterruptible power supply (UPS) that are intended to be in continuous use, 24 hours per day/365 days per year, and are marked to differentiate them from other uncontrolled | | | |
| | | | | receptacles or circuits. | | | |
| | | | | | | | |
| | | | | | | - | |
| ling Energy Efficiency Standards - 2016 Nonresidential Compliance | January 2016 CA Building Energy Efficiency Standards - 2016 Nonresid | dential Compliance | January 2016 | CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance | January 2016 | CA Building Energy Efficiency Standards - 2016 Nonresidential Complia | nce January 20 |
| | | | | | | | |
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APPROVED

DIVISION OF STATE ARCHITECT

HIGH PERFORMANCE SECTION

APP.#04-116504 DATE: 7-10-18

CATION STAMP STATE ARCHITECT 21488 INC: EWED FOR S 🗹 ACS 🗹



/19/2017

& DESIGNS SHOWN ON ARE THE PROPERTY OF SOCIATES, INC. DEVISED CONTRACT. THESE T BE USED, IN WHOLE OR PURPOSE FOR WHICH NTENDED WITHOUT THE N CONSENT OF R&S ATES, INC. ©



E AGENCY APPROVAL ATION STAMP E STATE ARCHITECT

l' x 40' IDABLE TO 0' x 40'

(PC) DOCUMENT 2016] CBC oject application for tion is required.

STATE AGENCY APPROVAL

CATION STAMP E STATE ARCHITECT

on Schedule

O' T24 CZ 16 ALL AC)

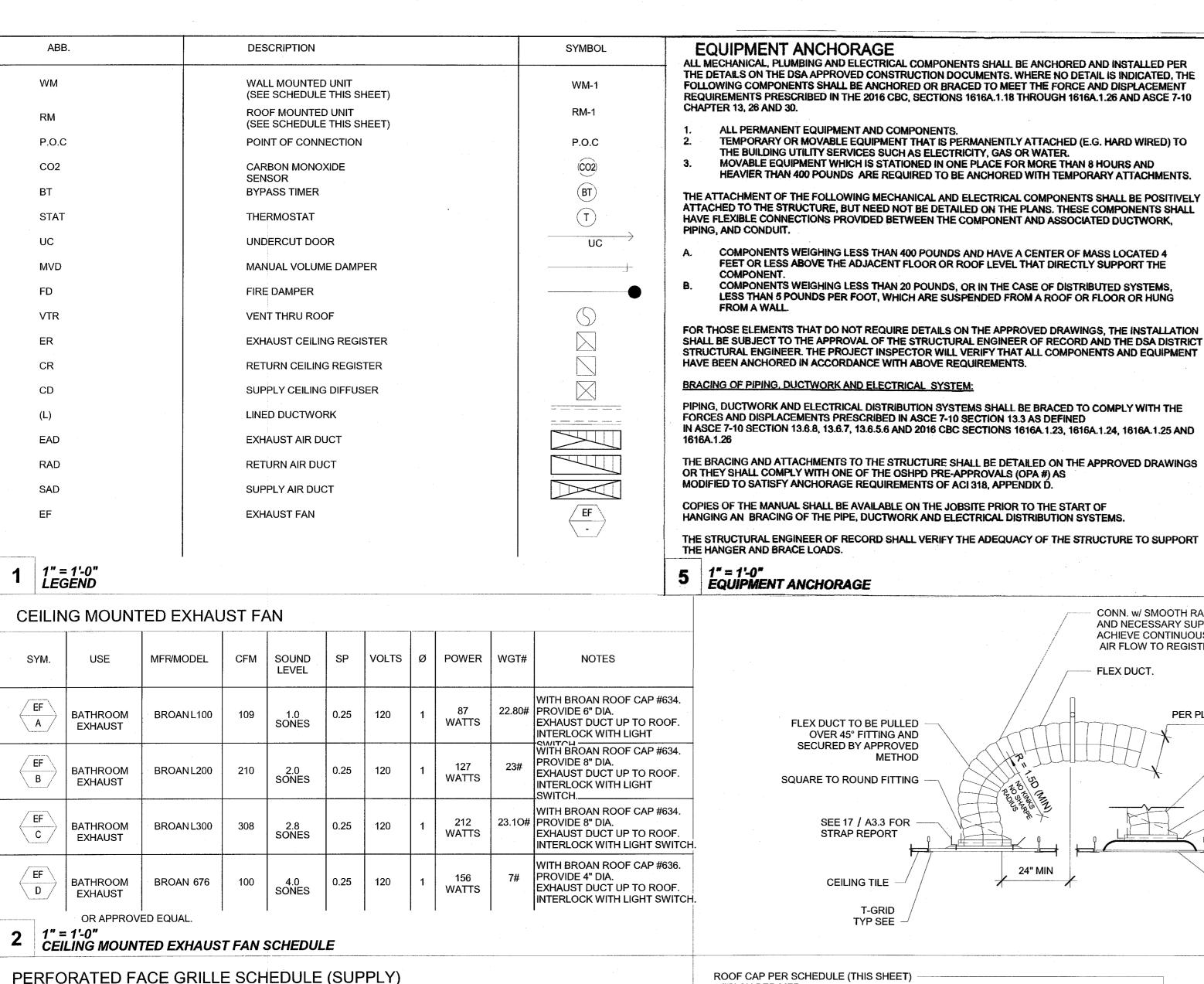
PROJECT NUMBER

17016A

CHECKED BY

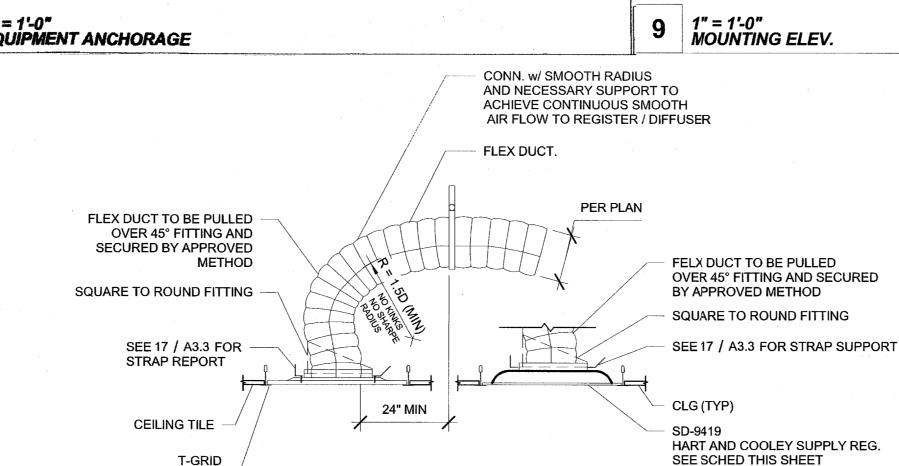
DATE 2018/04/25

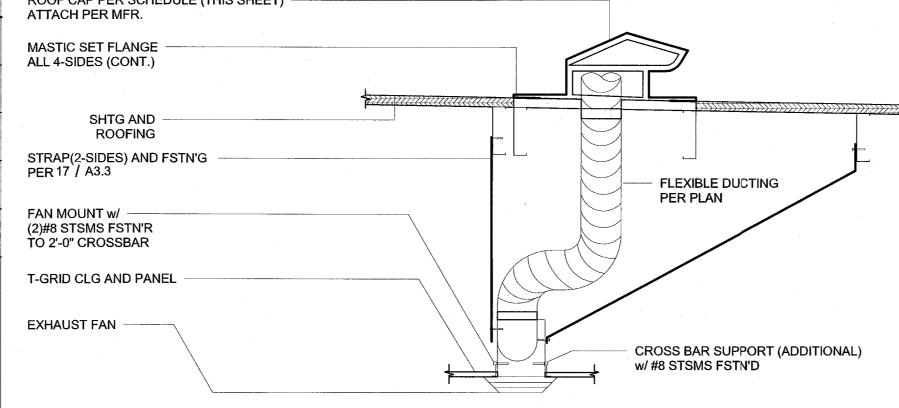
E2.3



NOTES

SEE DETAIL FOR MAKE AND MODEL





1" = 1'-0" PFG SCHED (SUPPLY)

Perforated Face

Shoemaker 105P with 24 ga. 45 deg.

1" = 1'-0" PFG SCHED (RETURN)

16x16-4W

T-BAR SUPPLY

Fixed Curve Blade, 4-way throw

PERFORATED FACE GRILLE SCHEDULE (RETURN)

NECK SIZE

6"Ø

8"Ø

10"Ø

12"Ø

14"Ø

(RANGE)

0-150

150-230

230-350

350-460

460-640

| | NECK SIZE | CFM (RANGE) | |
|--|-----------|-----------------|----------------|
| | 6"Ø | 0-230 | SEE MECH CLG F |
| 00000000000000000000000000000000000000 | 10"Ø | 230-460 | SEE MECH CLG F |
| COODEDOCOCCOCOCOCOCOCOCOCOCOCOCOCOCOCOCO | 14"Ø | 460-710 | SEE MECH CLG F |
| T-BAR RETURN | | | |

NOTES PLAN FOR SIZE PLAN FOR SIZE PLAN FOR SIZE

HVAC UNIT ANGLE & FASTENING PER STRUCTURAL FLASHING WATERPROOFING PER MFR. CURB PER MFR. WOOD NAILER **ROOFING MATERIAL RIGID INSULATION** FASTENING PER STRUCTURAL PLANS ROOF SEE DETAIL 19/S3.1 FOR FSTN'G

10.6 EER and 11 EER

| | STANDARD | OPTION#I | OPTION #2 |
|---------------------------------------|----------------|--------------------|--------------|
| TAG | VVM-1.1 | WM-1.2 | WM-1.3 |
| NOMINAL TONNAGE | 4.0 TONS | *5 TONS | 3.5 TONS |
| MANUFACTURER | **BARD | **BARD / | **BARD |
| MODEL# | C48H1\ | C60H1 | C42H1 |
| CFM | 1550 | 1700 / | 1400 |
| STATIC PRESSURE | 3.0 | 3.0 | 3.0 |
| DRIVE | DIRECT | DIRECT | DIRECT |
| MCA | 58 | 6/7 | 57 |
| MOCP | 60 | /80 | 60 |
| VOLTAGE | 208/230-1 | 208/230-1 | 208/230-1 |
| WIRE SIZE (PWR/GRND) | #6/#10 | \\ 4/#8 | #6/#10 |
| DESIGN RETURN AIR (DB/WB) | 80/67 | 80/67 | 80/67 |
| SENSIBLE COOLING @ 95° F (PART/FULL) | 25.900/36.90 | 30.800/40.300 | 21.700/29.70 |
| TOTAL COOLING @ 95° F (PART/FULL) | 34.000/45/500 | 40.800/55.500 | 26.800/40.00 |
| HEATING CAP. BTUH @ 47° F (PART/FULL) | 29.200/4/1.500 | 36.000/51.000 | 46.600/38.50 |
| HEATING CAP. BTUH @ 17° F | 26.000 | 32.000 | 25.000 |
| OPERATING WEIGHT | 550# | 580# | 550# |
| EER | 11,00 | 10.60 | 11.00 |
| COP @ 47° F | 3.00 | 3.00 | 3.00 |
| COP @ 17° F | /2.00 | 2.00 | 2.00 |

10.6 AND 11.0 EER (GAS ALTERNATE)

| SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE | | | | | | |
|--|---------------|---------------|---------------|--|--|--|
| | STANDARD | OPTION #I | OPTION #2 | | | |
| TAG | WM-2.1 | WM-2.2 | WM-2.3 | | | |
| NOMINAL TONNAGE | 4.0 TONS | *5 TONS | 3.5 TONS | | | |
| MANUFACTURER | BARD | **BARD | BARD | | | |
| MODEL# | C48H1 | C60H1 | C42H1 | | | |
| CFM | 1600 | 1750 | 1300 | | | |
| STATIC PRESSURE | 0.2 | 0.2 | 0.2 | | | |
| DRIVE | DIRECT | DIRECT | DIRECT | | | |
| MCA | 38 | 40 | 32 | | | |
| MOCP | 50 | 60 | 50 | | | |
| VOLTAGE | 208/230-1 | 208/230-1 | 208/230-1 | | | |
| WIRE SIZE (PWR/GRND) | #6/#10 | #6/#10 | #6/#10 | | | |
| DESIGN RETURN AIR (DB/WB) | 80/67 | 80/67 | 80/67 | | | |
| SENSIBLE COOLING @ 95° F (PART/FULL) | 35.900/36.000 | 30.800/40.300 | 21.700/29.700 | | | |
| TOTAL COOLING @ 95° F (PART/FULL) | 34.000/45.500 | 40.800/55.500 | 26.800/40.000 | | | |
| HEATING INPUT | 75.000 | 75.000 | 75.000 | | | |
| HEATING OUTPUT | 61.500 | 61.500 | 61.500 | | | |
| OPERATING WEIGHT | 710# | 725# | 700# | | | |
| EER | 11.00 | 10.60 | 11.00 | | | |
| THERMAL EFFICIENCY (TE) | 82 | 82 | 82 | | | |
| 14 SEER | | | | | | |

SINGLE PACKAGE ROOF TOP HEAT PUMP SCHEDULE

STANDARD

RM-1.1

4.0 TONS

50KCQ05

0.2

64

BELT

208/230-1

#4/#8

80/67

35.260

49.000

45.500

28.600

560#

14.00

**CARRIER

| | | HVAC SCI | HVAC SCHEDULE | | | | |
|---------------|------------|-------------------|---------------|--------------------|--|--|--|
| | | # OF H | VAC | | | | |
| BUILDING SIZE | | 3 1/2 TON HVAC | 4 TON HVAC | 5 TON HVAC | | | |
| X | 24' x 40' | 1 | | | | | |
| П | 36' x 40' | | 1 | | | | |
| X | 48' x 40' | 2 | - | | | | |
| | 60' x 40' | | 2 | | | | |
| | 72' x 40' | 3 | | 2 | | | |
| | 84' x 40' | | 3 | | | | |
| | 96' x 40' | 4 | | 3 | | | |
| - 🔲 | 108' x 40' | | 4 | | | | |
| | 120' x 40' | 5 | | SANARA 19-1845 (-) | | | |
| | | | | | | | |

HVAC SCHEDULE TYPICAL FOR WALL MTD AND ROOF MTD UNITS 2016 CALGREEN AND ENERGY CODE - COMPLIANCE SECTIONS

FILTER SPECIFICATION:

5.504.3 - ALL EXPOSED DUCT OPENINGS AND MECHANICAL EQUIPMENT SHALL BE COVERED AND PROTECTED DURING CONSTRUCTION AND

5.504.5.3 - HVAC FILTER (MERV RATING OF 8 MINIMUN OR HIGHER). ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.

14 SEER (GAS ALTERNATE)

SINGLE PACKAGE ROOF TOP AIR CONDITIONER WITH GAS FURNACE

STANDARD

RM-2.1

1600

BELT

36.1

208/230-1

#6/#10

35.260

49.000

90.000

73.000

14.00

80.4%

590#

80/67

4.0 TONS

**CARRIER

50KCQ05

OPTION #I

**CARRIER

50KCQ06

RM-2.2

*5 TONS

41.8

208/230-1

#6/#10

80/67

40.700

58.000

90.000

73.000

618#

14.3

80.4%

OPTION #2

**CARRIER

50KCQ04

RM-2.3

3 TONS

1400

0.15

BELT

29.6

208/230-1

#6/#10

30.500

45.600

90.000

73.000

14.00

572#

80.4%

80/67

OUTDOOR AIR QUALITY:

HVAC EQUIPMENT DOES NOT CONTAIN CFCS OR HALONS.

Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

THE PLANS, IDEAS & DESIGNS SHOWN ON

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R&S TAVARES ASSOCIATES. INC. DEVISED

PLANS SHALL NOT BE USED, IN WHOLE OR

IN PART, FOR ANY PURPOSE FOR WHICH

THEY WERE NOT INTENDED WITHOUT THE

SOLELY FOR THIS CONTRACT. THESE

EXPRESS WRITTEN CONSENT OF R&S

TAVARES ASSOCIATES, INC. ©

APP: 02-121488 INC:

PROFESSIONAL STAMP

FILE NUMBER: PC-128 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116504 /INCR: 0 AC RM FLS EA SSR KER 07/19/2018

PROJECT TITLE

24' x 40' 120' x 40'

PRE-CHECK (PC) DOCUMENT Code: | 2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

DIV. OF THE STATE ARCHITECT

Revision Schedule

Description

MISCELLANEOUS **NOTES & DETAILS**

PROJECT NUMBER

17016A DRAWN BY

rMc/SC CHECKED BY

2017/06/05

SHEET NO.

SHEET OF SHEETS

JA/RT

SECTION 915 CARBON MONOXIDE DETECTION

915.2.3 Group E occupancies. Carbon monoxide detection shall be installed in classrooms in Group E occupancies. Carbon monoxide alarm signals shall be automatically transmitted to an on-site location that is staffed byschool

915.3 Detection equipment. Carbon monoxide detection required by Sections 915.1 through 915.2.3 shall be provided by carbon monoxide alarms complying with Section 915.4 or carbon monoxide detection systems complying with Section

CFC 915.1 - Classrooms which contain a fuel-burning appliance or a fuel-burning fireplace or are supplied by a forced-air furnace shall be provided with a carbon monoxide detexction system. Provide a carbon monoxide

UTLILITIES THAT SPAN BETWEEN UNITS OR ACROSS SEISMIC SEPARATION JOINTS MUST BE DESIGNED WITH A FLEXIBLE CONNECTION THAT CAN ACCOMMODATE DIFFERENTIAL MOVEMENTS

SEE ISOMETRIC DETAIL 17/A3.3 FOR STRAPS

* 30"x48" MIN CLR FLOOR SPACE

AT EACH LOCATION FOR

PERPENDICULAR APPROACH

detection system

10 | 1" = 1'-0" | WORKSTATION

HSPF 8.0 COP @ 47° F 3.4 3.5 COP @ 17° F 2.4 2.4 **HVAC NOTES** SET BACK THERMOSTAT SHALL BE PROVIDED

NOMINAL TONNAGE

MANUFACTURER

STATIC PRESSURE

WIRE SIZE (PWR/GRND)

DESIGN RETURN AIR (DB/WB)

SENSIBLE COOLING @ 95° F

HEATING CAP. BTUH @ 47° F

HEATING CAP. BTUH @ 17° F

TOTAL COOLING @ 95° F

OPERATING WEIGHT

MODEL#

DRIVE

MCA

VOLTAGE

SEER

THE CO2 SENSOR SHALL NOT BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND NEED TO BE LOCATED ACCORDINGLY, AND PLACED NO LESS THAN 35" AFF AND NO MORE THAN 72" AFF.

AIR HANDLERS WITH OTHER VOLTAGES SHOULD BE ACCEPTABLE, AS WELL AS OTHERS THAN THE MAKE AND MODELS LISTED ON THESE TABLES, WHEN THE NOMINAL TONNAGE DOES NOT EXCEEDS 5 TON AND THE SEER, HSPF AND COP VALUES ARE NO LESS THAN SHOWN. MODEL NUMBERS FOR HEAT PUMP UNITS WITH OPTIONAL 5.0 AUXILIARY HEAT STRIPS, WHEN THE HEAT

OPTION #I

RM-1.2

*5 TONS

50KCQ06

208/230-1

#4/#8

80/67

40.700

58.000

58.000

28.600

615#

14.3

BELT

**CARRIER

OPTION #2

**CARRIER

50KCQ04

208/230-1

#6/#10

80/67

30.500

35.600

35.500

18.400

572#

14.00

2.3

0.15

NOMINAL TONNAGE

MANUFACTURER

STATIC PRESSURE

WIRE SIZE (PWR/GRND)

DESIGN RETURN AIR (DB/WB)

SENSIBLE COOLING @ 95° F

TOTAL COOLING @ 95° F

HEATING INPUT

HEATING OUTPUT

OPERATING WEIGHT

MODEL#

DRIVE

MCA

MOCP

SEER

AFUE

VOLTAGE

RM-1.3

3 TONS

STRIP IS NOT USED, THE MCA AND MOCP MUST BE VERIFIED AND HEAT STRIPS LARGER THAN THE SIZES SHOWN MAY NOT BE USED.

HVAC SYSTEM DOES NOT CONTAIN AN ECONOMIZER AND DEMAND CONTROL VENTILATION DEVICES. CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF. PER CALIFORNIA ENERGY CODE (CEC), SPACES SHALL BE DESIGNED TO THE MINIMUM REQUIREMENTS AS SPECIFIED OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. PC MANUFACTURER SHALL VERIFY WITH THE SCHOOL DISTRICT THE EXPECTED NUMBER OF OCCUPANTS IN THE CLASSROOM SO THAT THE OUTDOOR VENTILATION RATE FOR MECHANICAL SYSTEMS CAN BE ADEQUATELY ADJUSTED UPON SITE INSTALLATION OF THE BUILDING. PC MANUFACTURER SHALL ALSO CONFIRM WITH HVAC EQUIPMENT MANUFACTURER THAT THE SELECTED EQUIPMENT WILL BE ABLE TO PERFORM TO ACCOMODATE THE ADDITIONAL OUTDOOR AIR REQUIREMENTS UNDER THE PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING IS LOCATED. AT OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO BUILDING OWNER A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE EACH AREA.

*FOR 24x40 BUILDING A 5 TONS UNIT IS ONLY TO BE USED ON COMPUTER LAB APPLICATION

**OR EQUAL

PC DESIGN REVIEW INFORMATION Title 24, Part 6, Energy Code DSA Application #: 04-116504 Calculation Date/Time of Energy Report: 2018-06-23 17:00:30 Model Name and Option: 24'x40' PC - CLASS LEASING LLC Total Floor Area: 960 ft ² HVAC System Type: Simple / Wall Mounted A/C

TDV - Standard Design | TDV - Proposed Design | Compliance Margin (Front Orientation) City) < * 2.20% 356.36 374.87 348.45 15 (Palm Springs-Intl) * 5.10% 329.35 356.82 336.85 336.85 5.71% * 2.50% 5.60% 336.72 Reference: Energy Code, Appendix NA4, Table NA4-3

* In the event that there are identical percentages, select one.

**This table is not currently generated by the energy software.

< Least Compliance Margin Orientation

Process Motors

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance

TOTAL

PC DESIGN REVIEW INFORMATION Title 24, Part 6, Energy Code DSA Application #: 04-116504 Calculation Date/Time of Energy Report: 2018-06-23 19:58:52 Model Name and Option: 120'x40' PC - CLASS LEASING LLC

| | | Total Floor Area: 4,800 ft ² m Type: Simple / Wall Mo | | - | | | | | | | |
|----------------------------------|--------------------------------|---|-----------------------|-------------------|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
| Climate Zone (Reference City) | Azimuth (Front Orientation) | TDV - Standard Design | TDV - Proposed Design | Compliance Margin | | | | | | | |
| 14 (Palmdale) < | 30 | 355.00 | 337.30 | 4.99% | | | | | | | |
| | < * 75 | 334.48 | 333.12 | < * 0.40% | | | | | | | |
| | 120 | 353.88 | 336.40 | 4.94% | | | | | | | |
| | 165 | 358.78 | 338.70 | 5.60% | | | | | | | |
| | 210 | 355.00 | 337.30 | 4.99% | | | | | | | |
| | * 255 | 334.48 | 333.12 | * 0.40% | | | | | | | |
| | 300 | 353.88 | 336.40 | 4.94% | | | | | | | |
| | 345 | 358.78 | 338.70 | 5.60% | | | | | | | |
| | | | | | | | | | | | |
| 15 (Palm Springs-Intl) | 30 | 406.60 | 381.50 | 6.17% | | | | | | | |
| | * 75 | 384.85 | 375.42 | * 2.50% | | | | | | | |
| | 120 | 404.84 | 380.12 | 6.11% | | | | | | | |
| | 165 | 410.19 | 382.55 | 6.74% | | | | | | | |
| | 210 | 406.60 | 381.50 | 6.17% | | | | | | | |
| | * 255 | 384.85 | 375.42 | * 2.50% | | | | | | | |
| | 300 | 404.84 | 404.84 | 6.11% | | | | | | | |
| | 345 | 410.19 | 382.55 | 6.74% | | | | | | | |
| | | | | | | | | | | | |
| 16 (Blue Canyon) | 30 | 334.47 | 320.27 | 4.25% | | | | | | | |
| | * 75 | 314.67 | 312.69 | * 0.60% | | | | | | | |
| | 120 | 333.94 | 319.52 | 4.32% | | | | | | | |
| | 165 | 339.48 | 321.33 | 5.35% | | | | | | | |
| | 210 | 334.47 | 320.27 | 4.25% | | | | | | | |
| | * 255 | 314.67 | 312.69 | * 0.60% | | | | | | | |
| | 300 | 333.94 | 319.52 | 4.32% | | | | | | | |

Reference: Energy Code, Appendix NA4, Table NA4-3 * In the event that there are identical percentages, select one. **This table is not currently generated by the energy software.

§ 140.1

Report Generated at: 2018-06-23 19:53:38

Project Name:

Project Address:

< Least Compliance Margin Orientation

| Project Name | e: 120X40 (PC 04-116504 | 120X40 (PC 04-116504) - Wall AC | | NRCC-PRF-01-E | Page 1 of : | 19 |
|---------------|---------------------------------------|---------------------------------|--------------------------------|--------------------------|--------------------------------|----------------------------|
| Project Addre | ess: Climate Zone 14 Palmo | lale | | Calculation Date/Time: | 19:52, Sat | , Jun 23, 2018 |
| Compliance S | Scope: NewComplete | | Input File Name: 120X40 PC - C | | - CZ14(Wall AC)R75RSPV.cibd16x | |
| | GENERAL INFORMATION t Location (city) | Palmdale | 8. | Standards Version | | Compliance2016 |
| 2. CA Zip | | | 9. | Compliance Software (ve | ersion) | EnergyPro 7.2 |
| 3. Climate | e Zone | 14 | 10. | Weather File | | PALMDALE_723820_CZ2010.epw |
| 4. Total C | Conditioned Floor Area in Scope | 4,800 ft ² | 11. | Building Orientation (de | g) | (E) 75 deg |
| 5. Total U | Inconditioned Floor Area | 0 ft ² | 12. | Permitted Scope of Wor | k | NewComplete |

6. Total # of Stories (Habitable Above Grade) 13 Building Type(s) Nonresidential 14 Gas Type NaturalGas 7. Total # of dwelling units

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft 2-yr)

| BUILDING COMPLIES | | | | | | | | |
|---------------------|--------------------------|--------------------------|----------------------------|---------------------------------|--|--|--|--|
| 1. Energy Component | 2. Standard Design (TDV) | 3. Proposed Design (TDV) | 4. Compliance Margin (TDV) | 5. Percent Better than Standard | | | | |
| Space Heating | 17.88 | 22.68 | -4.80 | -26.89 | | | | |
| Space Cooling | 103.92 | 117.41 | -13.49 | -13.0 | | | | |
| Indoor Fans | 88.46 | 85.47 | 2.99 | 3.4 | | | | |
| Heat Rejection | | | | | | | | |
| Pumps & Misc. | | | | | | | | |
| Domestic Hot Water | 11.16 | 11.16 | | 0.0 | | | | |
| Indoor Lighting | 48.76 | 32.10 | 16.66 | 34.2 | | | | |
| COMPLIANCE TOTAL | 270.18 | 268.82 | 1.36 | 0.5 | | | | |
| Receptacle | 64.30 | 64.30 | 0.0 | 0.0 | | | | |
| Process | | | | | | | | |
| Other Ita | | | | - | | | | |

| . PRIORITY | PLAN CHECK/ INSPECTION ITEMS (in order of h | nighest to lowest TDV energy savings) |
|-------------|---|---|
| | ndoor Lighting: Check lighting | Compliance Margin By Energy Component (from Table B column 4) Indoor Lighting |
| 3rd H | leat Rejection: Check envelope and mechanical umps & Misc.: Check mechanical | Indoor Eighting Indoor Fans Heat Rejection |
| | omestic Hot Water: Check mechanical pace Heating: Check envelope and mechanical | Pumps & Misc. Domestic Hot Water Space Heating |
| 7th Sp | pace Cooling: Check envelope and mechanical | Space Cooling Penalty Energy Credit |

NRCC-PRF-01-E

Page 2 of 19

Calculation Date/Time: 19:52, Sat, Jun 23, 2018

120X40 (PC 04-116504) - Wall AC

Climate Zone 14 Palmdale

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance

NewComplete

120X40 (PC 04-116504) - Wall AC

Climate Zone 14 Palmdale

Project Name:

Project Address:

ompliance Scope:

| D. EXCEPTIONAL CONDITIONS |
|--|
| The building does not include service water heating. Verify that service water heating is not required and is not included in the design. |
| This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones required. |
| E. HERS VERIFICATION |
| This Section Does Not Apply |
| F. ADDITIONAL REMARKS |
| Standard Building (Compliance) |

| Project Name: | 120X40 (PC 04-116504) - Wall AC | NRCC-PRF-01-E | Page 3 of 19 |
|-------------------|---------------------------------|------------------------|--|
| Project Address: | Climate Zone 14 Palmdale | Calculation Date/Time: | 19:52, Sat, Jun 23, 2018 |
| Compliance Scope: | NewComplete | Input File Name: | 120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x |

APPROVED

DIVISION OF STATE ARCHITECT

HIGH PERFORMANCE SECTION

APP.#04-116504 DATE: 7.10.18

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance

| Id | entify wh | ich building comp | onents use the performance or prescriptive path for compliance. "NA"= not in project | |
|---|-------------|----------------------|--|--------------------------------------|
| For | componei | nts that utilize the | performance path, indicate the sheet number that includes mandatory notes on plans. | |
| Building Component | Com | pliance Path | Compliance Forms (required for submittal) | Location of Mandatory Notes on Plans |
| | ⊠ | Performance | NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E) | |
| Envelope | | Prescriptive | NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E | M2.3 |
| | | NA . | | |
| | × | Performance | NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E) | |
| Mechanical | | Prescriptive | NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E | M2.3 |
| | | NA | | |
| | | Performance | NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E) | |
| Domestic Hot Water | \boxtimes | Prescriptive | NRCC-PLB-01-E | |
| | | NA | | |
| | | Performance | NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E) | |
| Lighting (Indoor Conditioned) | | Prescriptive | NRCC-LTI-01 / 02 / 03 / 04 / 05-E | M2.3 |
| | | NA | | |
| | | Performance | S2 (section of the NRCC-PRF-01-E) | |
| Covered Process: Commercial Kitchens | | Prescriptive | NRCC-PRC-01/ 03-E | |
| Commercial Residual | × | NA | | |
| | | Performance | S3 (section of the NRCC-PRF-01-E) | |
| Covered Process: Computer Rooms | | Prescriptive | NRCC-PRC-01/ 04-E | |
| | Ø | NA | | |
| | | Performance | S4 (section of the NRCC-PRF-01-E) | |
| Covered Process: Laboratory Exhaust | | Prescriptive | NRCC-PRC-01/ 09-E | |
| Laborator y Extradust | × | NA | | |

Page 4 of 19 NRCC-PRF-01-E 120X40 (PC 04-116504) - Wall AC Project Name: Climate Zone 14 Palmdale Calculation Date/Time: 19:52, Sat, Jun 23, 2018 Project Address: Input File Name: 120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x Compliance Scope: NewComplete

| G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY | | | | | | | |
|--|-------------|---|---|-----|--------|--|--|
| The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project. | | | The following building components may have mandatory requirements per Part 6. Indicate which are relevant to the project. | | | | |
| Yes | NA | Prescriptive Requirement | Compliance Forms | Yes | NA | Mandatory Requirement | Compliance Forms |
| | | Lighting (Indoor Unconditioned) §140.6 | NRCC-LTI-01 / 02 / 03 / 04 / 05-E | | X X | Commissioning: §120.8 Simple Systems Complex Systems | NRCC-CXR-01 / 02 / 03 / 05-E NRCC-CXR-01 / 02 / 04 / 05-E |
| | \boxtimes | Lighting (Outdoor) §140.7 | NRCC-LTO-01 / 02 / 03-E | | ☒ | Electrical: §130.5 | NRCC-ELC-01-E |
| | \boxtimes | Lighting (Sign) §140.8 | NRCC-LTS-01-E | | × | Solar Ready: §110.10 | NRCC-SRA-01 / 02-E |
| | × | Solar Thermal Water Heating: §140.5 | NRCC-STH-01-E | | | Covered Process: §120.6 Parking Garage Commercial Refrigeration Warehouse Refrigeration Compressed Air Process Boilers | NRCC-PRC-01-E NRCC-PRC-02-E NRCC-PRC-05-E NRCC-PRC-06/07/08-E NRCC-PRC-10-E NRCC-PRC-11-E |

Report Version: NRCC-PRF-01-E-06152018-5302

| Documentation Author ((Retain copies and verify | ALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) — to indicate which Certificates must be submitted for the features to be recognized for compliance y forms are completed and signed to post in field for Field Inspector to verify). WICH and LTI Details Sections for Acceptance Tests and forms by equipment. | Conf | irmed |
|---|---|------|-------|
| Building Component | Compliance Forms (required for submittal) | Pass | Fail |
| | ☑ NRCI-ENV-01-E - For all buildings | | |
| invelope | ☐ NRCA-ENV-02-F- NFRC label verification for fenestration | | |
| | ☑ NRCI-MCH-01-E - For all buildings with Mechanical Systems | | |
| | ☑ NRCA-MCH-02-A- Outdoor Air | | |
| | ☐ NRCA-MCH-03-A – Constant Volume Single Zone HVAC | | |
| | ☐ NRCA-MCH-04-H- Air Distribution Duct Leakage | | |
| | ☐ NRCA-MCH-05-A- Air Economizer Controls | | |
| | ☐ NRCA-MCH-06-A- Demand Control Ventilation | | |
| | ☐ NRCA-MCH-07-A – Supply Fan Variable Flow Controls | | |
| | ☐ NRCA-MCH-08-A- Valve Leakage Test | | |
| | ☐ NRCA-MCH-09-A – Supply Water Temp Reset Controls | | |
| Mechanical | ☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls | | |
| | □ NRCA-MCH-11-A – Auto Demand Shed Controls | | |
| | ☐ NRCA-MCH-12-A- Packaged Direct Expansion Units | | |
| | ☐ NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units | | |
| | ☐ NRCA-MCH-14-A- Distributed Energy Storage | | |
| | □ NRCA-MCH-15-A — Thermal Energy Storage | | |
| | ☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls | | |
| | ☐ NRCA-MCH-17-A – Condensate Water Temp Reset Controls | | |
| | ☐ NRCA-MCH-18-A- Energy Management Controls Systems | | |
| | ☐ NRCV-MCH-04-H- Duct Leakage Test | | |

Report Version: NRCC-PRF-01-E-06152018-5302

NRCC-PRF-01-E

Input File Name:

Page 5 of 19

120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

Calculation Date/Time: 19:52, Sat, Jun 23, 2018

| Project Name: | 120X40 (PC 04-116504) - Wall AC NRCC-PRF-01-E Page 6 of 19 | | |
|--|---|--------------------|------|
| Project Address: | Climate Zone 14 Palmdale Calculation Date/Time: 19:52, Sat, Jun 23, 201 | 8 | |
| Compliance Scope: | NewComplete Input File Name: 120X40 PC - CZ14(Wall | AC)R75RSPV.cibd16x | |
| Documentation Aut Retain copies and v | INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) — hor to indicate which Certificates must be submitted for the features to be recognized for compliance verify forms are completed and signed to post in field for Field Inspector to verify). In MCH and LTI Details Sections for Acceptance Tests and forms by equipment. | Confi | rmed |
| Building Component | Compliance Forms (required for submittal) | Pass | Fail |
| | ☐ NRCI-PLB-01-E - For all buildings with Plumbing Systems | | |
| | ☐ NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application. | | |
| | ☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application. | | |
| م منام میں | ☐ NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application. | | |
| Plumbing | ☐ NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application. | | |
| | ☐ NRCV-PLB-21-H- HERS verified central systems in high-rise residential, hotel/motel application. | | |
| | NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application. | | |
| | ☐ NRCI-STH-01-E - Any solar water heating | | |
| | ☑ NRCI-LTI-01-E - For all buildings | | |
| | ☐ NRCI-LTI-02-E - Lighting control system, or for an Energy Management Control System (EMCS) | | |
| | ☐ NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel energize only line-voltage track lighting | used to | |
| | NRCI-LTI-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a theater | | |
| Indoor Lighting | ☐ NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor (PAF) | | |
| | ☐ NRCI-LTI-06-E - Additional wattage installed in a video conferencing studio | | |
| | ☑ NRCA-LTI-02-A - Occupancy sensors and automatic time switch controls. | | |
| | NRCA-LTI-03-A - Automatic daylighting controls | | |
| | ☐ NRCA-LTI-04-A - Demand responsive lighting controls | | |
| | ☐ NRCI-LTO-01-E – Outdoor Lighting | | |
| Outdoor Lighting | ☐ NRCI-LTO-02-E- EMCS Lighting Control System | | |
| | ☐ NRCA-LTO-02-A - Outdoor Lighting Control | | |
| Sign Lighting | ☐ NRCI-LTS-01-E – Sign Lighting | | |
| Electrical | ☐ NRCI-ELC-01-E - Electrical Power Distribution | | |
| Photovoltaic | ☐ NRCI-SPV-01-E Photovoltaic Systems | | |

Report Version: NRCC-PRF-01-E-06152018-5302

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

PROFESSIONAL STAMP

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

12/19/2017

1221 Harley Knox Boulevard

Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL FILE NUMBER: PC-128 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITEC 04 - 116504 AC RM FLS FA SSR KER 07/19/2018

PROJECT TITLE 24' x 40' **EXPANDABLE TO** 120' x 40'

> PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

VIDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT MAR 0 7

Revision Schedule

SHEET TITLE 120'x40' T24 CZ 16 (WALL AC)

PROJECT NUMBER 17016A DRAWN BY CHECKED BY 07/05/2018

Report Version: NRCC-PRF-01-E-06152018-5302 CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance

Report Generated at: 2018-06-23 19:53:38

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-06152018-5302

Report Generated at: 2018-06-23 19:53:38

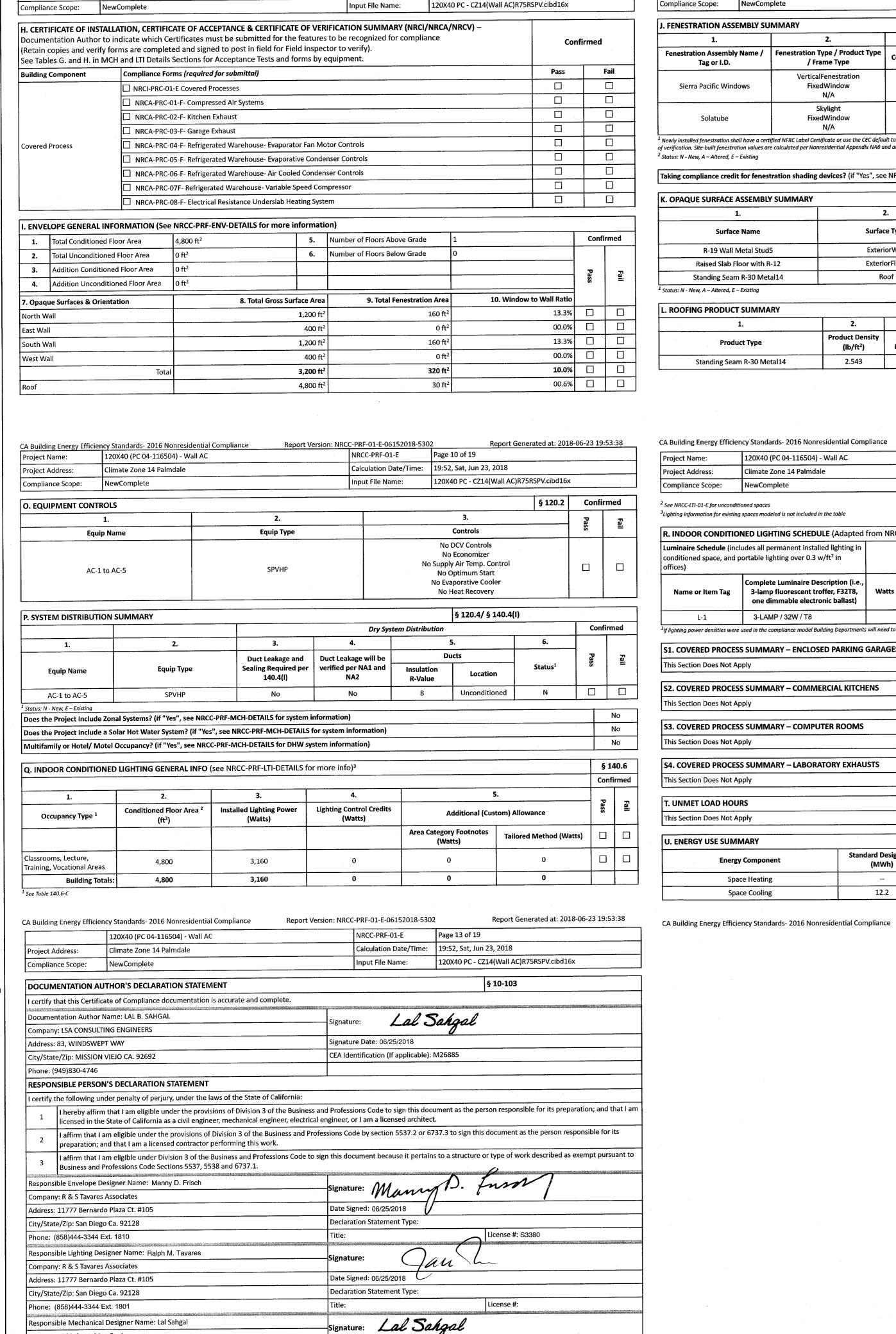
Report Generated at: 2018-06-23 19:53:38

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-06152018-5302

Report Generated at: 2018-06-23 19:53:38

Report Generated at: 2018-06-23 19:53:38



Date Signed: 06/25/2018

Declaration Statement Type:

Page 7 of 19

Calculation Date/Time: 19:52, Sat, Jun 23, 2018

120X40 (PC 04-116504) - Wall AC

Climate Zone 14 Palmdale

Project Name:

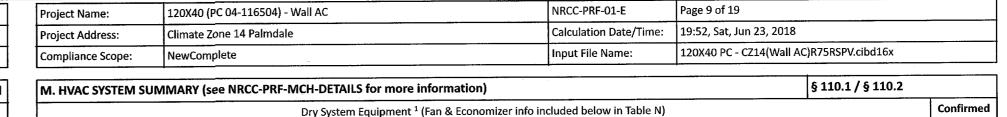
Project Address:

| Project Name: | 120X40 (I | PC 04-116504) - Wall AC | IC . | | Į N | RCC-PRF-01-E | Page 8 o | of 19 | | | | | |
|---|---|--|--|--|--------------------------------------|--------------------------------|-------------------------|--|---|--|------------------------------|-----------|--------|
| Project Address: | Climate Z | one 14 Palmdale | | | С | alculation Date/Tim | ne: 19:52, S | at, Jun 23, 20 | 18 | | | | |
| Compliance Scope: | NewCom | plete | | | Ir | put File Name: | 120X40 | PC - CZ14(Wa | II AC)R75R | SPV.cibd16 | х | | _ |
| I. FENESTRATION ASS | FMRIY SU | MMARY | | | | | | | | § 110.6 | - | Confi | irme |
| 1. | | 2. | | 3. | | 4. | 5. | 6. | 7. | 8. | 9. | <u> </u> | |
| Fenestration Assemble Tag or I.D. | y Name / | Fenestration Type / P | | Certification Method ¹ | | Assembly Method | | Overall U-factor | Overall SHGC | Overall VT | Status ² | Pass | Fail |
| Sierra Pacific Wind | dows | VerticalFenesti FixedWindo N/A | | NFRC Rated | | Manufactured | 320 | 0.35 | 0.24 | 0.50 | N | | |
| Solatube | | Skylight FixedWindo N/A | | NFRC Rated | | Manufactured | 30 | 0.37 | 0.35 | 0.50 | N | | |
| f verification. Site-built fenestr | ation values ar | fied NFRC Label Certificate or e calculated per Nonresidentia | r use the CEC defau ial Appendix NA6 aı | ult tables found in Table 1 nd are used in the analysi | 10.6-A and Table 1: is. | 10.6-B. Center of Glass (C | 0G) values are fo | r the glass-only, de | etermined by t | the manufact | urer, and o | are shown | for ea |
| f verification. Site-built fenestr Status: N - New, A – Altered, E Taking compliance cred | ation values ar - Existing it for fenes | e calculated per Nonresidentia | ial Appendix NA6 aı | nd are used in the analysi | is. | | OG) values are fo | | § 120.7/ | | urer, and d | No Confi | |
| f verification. Site-built fenestri Status: N - New, A - Altered, E Taking compliance cred K. OPAQUE SURFACE | ation values ar - Existing it for fenes | e calculated per Nonresidentia | ial Appendix NA6 and see (if "Yes", see | nd are used in the analysi | is. | | 0G) values are fo | | § 120.7/ | | 8. | No Confi | |
| f verification. Site-built fenestr Status: N - New, A - Altered, E Taking compliance cred K. OPAQUE SURFACE | ation values and Existing it for fenest ASSEMBLY | e calculated per Nonresidentia | ial Appendix NA6 ar | nd are used in the analys. e NRCC-PRF-ENV-DE | TAILS for more | information) 4. | | | § 120.7/ | § 140.3 | | No | irme |
| f verification. Site-built fenestri Status: N - New, A - Altered, E Taking compliance cred K. OPAQUE SURFACE Surface | etion values are Existing it for feness ASSEMBLY 1. | e calculated per Nonresidentia | s? (if "Yes", see | nd are used in the analys. NRCC-PRF-ENV-DE | TAILS for more | information) 4. Framing | 5. Cavity | 6. Continuous | § 120.7/ 7 U-Factor / C-F | § 140.3 7. / F-Factor | 8. | No Confi | irme |
| f verification. Site-built fenestri Status: N - New, A - Altered, E Taking compliance cred K. OPAQUE SURFACE Surface | ation values and Existing it for fenest ASSEMBLY 1. De Name Metal Studi | cration shading devices SUMMARY | s? (if "Yes", see | e NRCC-PRF-ENV-DE | TAILS for more 3. Area (ft²) | 4. Framing Type | 5. Cavity R-Value | 6. Continuous R-Value | § 120.7/ 7 U-Factor / C-F U-Facto | § 140.3 7. / F-Factor actor | 8 Status ¹ | Confi | irmed |
| f verification. Site-built fenestri Status: N - New, A - Altered, E Taking compliance cred K. OPAQUE SURFACE Surface R-19 Wall | ation values and Existing it for fenest ASSEMBLY 1. Ee Name Metal Stud! | e calculated per Nonresidentia Eration shading devices Y SUMMARY | s? (if "Yes", see 2 Surfac Exteric | nd are used in the analysis NRCC-PRF-ENV-DE Type orWall | TAILS for more 3. Area (ft²) 3200 | 4. Framing Type Metal | 5. Cavity R-Value | 6. Continuous R-Value | § 120.7/ U-Factor / C-F U-Facto | § 140.3 7. / F-Factor actor or: 0.104 | 8 Status Z | No Confi | |
| f verification. Site-built fenestri Status: N - New, A - Altered, E Taking compliance cred K. OPAQUE SURFACE Surfac R-19 Wall Raised Slab I | ation values and Existing it for fenest ASSEMBLY 1. De Name Metal Studing Metal Studing | e calculated per Nonresidentia Eration shading devices Y SUMMARY | s? (if "Yes", see 2 Surfac Exteric | e NRCC-PRF-ENV-DE ce Type orWall | 3. Area (ft²) 3200 4800 | 4. Framing Type Metal Metal | 5. Cavity R-Value | 6. Continuous R-Value 4 NA | § 120.7/ U-Factor / C-F U-Facto | § 140.3 7. / F-Factor factor or: 0.104 or: 0.091 | % Status¹ Z Z | No Confi | irme |
| f verification. Site-built fenestri Status: N - New, A - Altered, E Taking compliance cred K. OPAQUE SURFACE Surfac R-19 Wall Raised Slab I Standing Seat Status: N - New, A - Altered, E | ation values and Existing it for fenest ASSEMBLY 1. De Name Metal Studing Floor with R m R-30 Metal Existing | ration shading devices SUMMARY Summary Summary | s? (if "Yes", see 2 Surfac Exteric | e NRCC-PRF-ENV-DE ce Type orWall | 3. Area (ft²) 3200 4800 | 4. Framing Type Metal Metal | 5. Cavity R-Value | 6. Continuous R-Value 4 NA | § 120.7/ U-Factor / C-F U-Facto | § 140.3 7. / F-Factor factor or: 0.104 or: 0.091 or: 0.072 | % Status¹ Z Z | No Confi | irme |
| f verification. Site-built fenestric Status: N - New, A - Altered, E Taking compliance cred K. OPAQUE SURFACE Surface R-19 Wall Raised Slab I Standing Sear | ation values and Existing it for fenest ASSEMBLY 1. De Name Metal Studing Floor with R m R-30 Metal Existing | ration shading devices SUMMARY Summary Summary | s? (if "Yes", see 2 Surfac Exteric | e NRCC-PRF-ENV-DE ce Type orWall | 3. Area (ft²) 3200 4800 | 4. Framing Type Metal Metal | 5. Cavity R-Value | 6. Continuous R-Value 4 NA | § 120.7/ U-Factor / C-F U-Facto | § 140.3 7. / F-Factor factor or: 0.104 or: 0.091 or: 0.072 | ο Status¹ Z Z Z | No Confi | irme |
| f verification. Site-built fenestrication: N - New, A - Altered, E Taking compliance cred K. OPAQUE SURFACE Surface R-19 Wall Raised Slab I Standing Seat Status: N - New, A - Altered, E L. ROOFING PRODUC | ation values and Existing it for fenest ASSEMBLY 1. ce Name Metal Studing Floor with R m R-30 Metal Existing T SUMMA | e calculated per Nonresidentia Eration shading devices Y SUMMARY 5 -12 al14 RY Prod | s? (if "Yes", see 2 Surfac Exteric Ro | e NRCC-PRF-ENV-DE Re Type orWall orFloor | 3. Area (ft²) 3200 4800 4800 | 4. Framing Type Metal Metal NA | 5. Cavity R-Value | 6. Continuous R-Value 4 NA NA | § 120.7/ U-Factor / C-F U-Factor U-Factor U-Factor | § 140.3 7. / F-Factor actor or: 0.104 or: 0.091 or: 0.072 | 8. Status ¹ N N N | No Confi | irme |

| Project Name: | 120X40 (PC 04-116504) - Wall AC | | NRC | C-PRF-01-E | Page 11 of 19 | | | |
|--|--|---------------------------------------|---------------------------|---------------------------|-------------------------|-----------------------|-------|------|
| Project Address: | Climate Zone 14 Palmdale | | Calc | ulation Date/Time: | 19:52, Sat, Jun 23, 20: | 18 | | |
| Compliance Scope: | NewComplete | | Inpu | ıt File Name: | 120X40 PC - CZ14(Wa | II AC)R75RSPV.cibd16x | | |
| | ng spaces modeled is not included in the table | | | 11 0.77 | | | 5.45 | |
| | ONED LIGHTING SCHEDULE (Adapted | from NRCC-LTI-01-E)1 | | | | | § 13 | 30.0 |
| - | cludes all permanent installed lighting in portable lighting over 0.3 w/ft² in | | lr | nstalled Watts (Cond | ditioned) | | Confi | irme |
| | Complete Luminaire Description (i.e., | | How Wattage is Determined | | Total Number | | | |
| Name or Item Tag | 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast) | Watts per luminaire | CEC Default from NA8 | According to §130.0(c) | Luminaires | Installed Watts | Pass | F |
| L-1 | 3-LAMP / 32W / T8 | 96 | Yes | No | 40 | 3,840 | | [|
| ¹ If lighting power densities wer | e used in the compliance model Building Departments | will need to check prescriptive for | rms for Luminaire Sched | dule details. | | | | |
| S1. COVERED PROCES | SS SUMMARY – ENCLOSED PARKING | GARAGES | | | | § 140.9 | | |
| This Section Does Not A | Apply | · · · · · · · · · · · · · · · · · · · | | | - Color of . | | | |
| S2. COVERED PROCES | SS SUMMARY – COMMERCIAL KITCH | ENS | | | | § 140.9 | - | |
| This Section Does Not A | | | 2.5,000 | | | - Laws | | |
| | | | | | 1 | | | |
| S3. COVERED PROCES | SS SUMMARY – COMPUTER ROOMS | | | | § 140.9 | | | |
| This Section Does Not A | Apply | | | | | | | |
| S4. COVERED PROCE | SS SUMMARY – LABORATORY EXHAU | STS | | | | § 140.9 | | |
| This Section Does Not A | \pply | | | | | | | |
| | | | | | | | | |
| T. UNMET LOAD HOL | IRS | | | | | | | |

| RED PROCESS SUMMARY – COM | MERCIAL KITCHENS | | | | § 140.9 | |
|-----------------------------|-------------------------------|-------------------------------|-----------------|--------------------------------|--------------------------------|------------------|
| n Does Not Apply | | - | | | | |
| RED PROCESS SUMMARY – COMP | UTER ROOMS | | | § 140.9 | | |
| n Does Not Apply | | | | | | |
| RED PROCESS SUMMARY – LABOI | RATORY EXHAUSTS | | | | § 140.9 | |
| n Does Not Apply | | | | | | |
| LOAD HOURS | | | | | | |
| n Does Not Apply | | | | | | |
| Y USE SUMMARY | | | | | | |
| Energy Component | Standard Design Site (MWh) | Proposed Design Site (MWh) | Margin (MWh) | Standard Design Site (MBtu) | Proposed Design Site (MBtu) | Margin (MBtu) |
| Space Heating | | 6.4 | | 51.5 | | |
| Space Cooling | 12.2 | 14.3 | -2.1 | | | |

| | | | | | § 13 | 30.0 | - |
|------------------------|---------------------|------------|-------------|---------------------|--------|-------------|---|
| | | | | | | | - |
| d Watts (Co | onditioned) | | | | Confi | rmed | - |
| ermined | T | | Τ | - | | | - |
| cording to 130.0(c) | Total N Lumin | | | Installed Watts | Pass | Fail | |
| No | 40 |) | | 3,840 | | | ł |
| iils. | | | • | | | | ŀ |
| | | | - [| § 140.9 | | | + |
| | | | | | | | t |
| | | | | - | | | t |
| | | | ! | § 140.9 | | | |
| | | | | | | | |
| | - 1, | 140.0 | | | | | |
| | ! | 140.9 | | | | | |
| | | | | | 2 | | |
| | | | § 140 | .9 | | | |
| | | | | | | | |
| - | | | | | | | |
| | | | | | | | |
| | | | - | · | | | |
| | | | | | | | |
| Barrein I | Chandard D | noism Cits | - n. | roposed Design Site | 1 84 | argin | |
| Margin (MWh) | Standard Do (MB1 | | " | (MBtu) | | 1Btu) | |
| | 51. | 5 | 1 | | | | |
| | **** | | + | | \neg | | |



| M. HVAC SYSTE | M SUMMARY (see N | RCC-PRF-MCH-D | ETAILS | S for more info | rmation) | | | | | § 110.1 / § 110. | 2 | | |
|---------------|---------------------------|--|--------|----------------------------|---------------------------|--------------------------------|-------------------------------------|------------|----------|--|--------|-------|------|
| | | Dry S | ystem | Equipment ¹ (Fa | n & Economizer i | info included be | low in Table N) | | | | | Confi | rmed |
| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9 |). | 10. | 11. | | |
| Equip Name | Equip Type | System Type (Simple ² or | Qty Ou | Total Heating Output | Supp Heat Source (Y/N) | Supp Heat Output (kBtuh) | Total Cooling Output (kBtu/h) | Efficiency | | Acceptance Testing Required? (Y/N) | Status | Pass | Fail |
| | | Complex 3) | | (kBtu/h) | | | | Cooling | Heating | 4 | 55 | | |
| AC-1 to AC-5 | SPVHP (Packaged1Phase) | Simple | 5 | 40 | - No | 0 | 38 | EER-11.00 | COP-3.40 | Yes | N | | |

¹ Dry System Equipment includes furnaces, air handling units, heat pumps, etc. ² Simple Systems must complete NRCC-CXR-03-£ commissioning design review form ³ Complex Systems must complete NRCC-CXR-04-E commissioning design review form ⁴ A summary of which acceptance tests are applicable is provided in NRCC-PRF-MCH-DETAILS Status: N - New, A - Altered, E - Existing

Wet System Equipment Section Does Not Apply Discrepancy between modeled and designed equipment sizing? (if "Yes", see Table F. "Additional Remarks" for an explanation)

| . ECONOMIZE | R & FAN S | YSTEMS S | UMMAR | Y ¹ | | | | | | | | § 140.4 | Confirme | |
|--------------|----------------|------------|----------|-----------------------|---------------------|----------------|------------|----|-----|---------------------|-------------------|--------------|----------|--|
| 1. | 2. | | 3. 4. 5. | | | | | | | 5. | | | | |
| | Outside Air | Supply Fan | | | | | Return Fan | | | | - Economizer Type | Pass | Fail | |
| Equip Name | CFM | CFM | НР | ВНР | TSP (inch WC) | Control | CFM | НР | ВНР | TSP (inch WC) | Control | (if present) | 86 | |
| AC-1 to AC-5 | 360 | 1250 | 0.750 | 0.750 | 1.90 | ConstantVolume | NA | NA | NA | NA | NA | NoEconomizer | | |

¹ Mechanical ventilation calculations and exhaust fans are included in the NRCC-PRF-MCH-DETAILS section

| A Building Energy Effic | ciency Standards- 2016 Nonresidential Compliance | Report Version: NRCC-PRF-01-E-06152018-530 | Report Generated at: 2018-06- |
|-------------------------|--|--|--|
| roject Name: | 120X40 (PC 04-116504) - Wall AC | NRCC-PRF-01-E | Page 12 of 19 |
| roject Address: | Climate Zone 14 Palmdale | Calculation Date/Time: | 19:52, Sat, Jun 23, 2018 |
| ompliance Scope: | NewComplete | Input File Name: | 120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x |

| Energy Component | Standard Design Site (MWh) | Proposed Design Site (MWh) | Margin (MWh) | Standard Design Site (MBtu) | Proposed Design Site (MBtu) | Margin (MBtu) |
|--------------------|-------------------------------|-------------------------------|-----------------|--------------------------------|--------------------------------|------------------|
| Indoor Fans | 18.2 | 18.1 | 0.1 | | | |
| Heat Rejection | | | | | | |
| Pumps & Misc. | | | | | | |
| Domestic Hot Water | | | | 37.1 | 37.1 | 0.0 |
| Indoor Lighting | 9.8 | 6.5 | 3.3 | | | |
| COMPLIANCE TOTAL | 40.2 | 45.3 | -5.1 | 88.6 | 37.1 | 51.5 |
| Receptacle | 12.7 | 12.7 | 0.0 | | | |
| Process | | | | | | |
| Other Ltg | | | | | | |
| Process Motors | | | | | | |
| TOTAL | 52.9 | 58.0 | -5.1 | 88.6 | 37.1 | 51.5 |

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Generated at: 2018-06-23 19:53:38 Report Version: NRCC-PRF-01-E-06152018-5302

> APPROVED DIVISION OF STATE ARCHITECT HIGH PERFORMANCE SECTION

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

PROFESSIONAL STAMP



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> 1221 Harley Knox Boulevard Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL FILE NUMBER: PC-128 IDENTIFICATION STAMP QIVISION OF THE STATE ARCHITECT 04 - 116504 AC RM FLS FA SSR KER 07/19/2018 PROJECT TITLE

EXPANDABLE TO

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

Revision Schedule

Description

120'x40' T24 CZ 16

PROJECT NUMBER 17016A DRAWN BY rMc/SC CHECKED BY JA/RT

07/05/2018

SHEET OF SHEETS

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-03092018-5302

Company: LSA Consulting Engineers

City/State/Zip: Mission Viejo Ca. 92692

Address: 83, Windswept Way

Phone: (949)830-4746

Report Generated at: 2018-04-16 15:25:39

License #: M26885

3.

Description of Assembly Layers

Stucco - 7/8 in. Vapor permeable felt - 1/8 in.

Metal framed wall, 16in. OC, 5.5in., R-19

Gypsum Board - 1/2 in.

Expanded Polystyrene - EPS - 1 in. R4.2 Concrete - 140 lb/ft3 - 4 in. Metal framed floor, 24in. OC, 5.5in., R-11

Plywood - 1/2 in.

Carpet - 3/4 in.

Metal Standing Seam - 1/16 in.

Metal standing seam roof, R-30

Report Version: NRCC-PRF-01-E-06152018-5302

NRCC-PRF-ENV-DETAILS -SECTION START-

Surface Type

ExteriorWall

ExteriorFloor

B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E)

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance

A. OPAQUE SURFACE ASSEMBLY DETAILS

Surface Name

R-19 Wall Metal Stud5

Raised Slab Floor with R-12

Standing Seam R-30

Metal14

This Section Does Not Apply

This Section Does Not Apply

C. OPAQUE DOOR SUMMARY

| Project Name: | 120X40 (PC 04-116504) - Wall AC | NRCC-PRF-01-E | Page 15 of 19 |
|-------------------|---------------------------------|------------------------|--|
| Project Address: | Climate Zone 14 Palmdale | Calculation Date/Time: | 19:52, Sat, Jun 23, 2018 |
| Compliance Scope: | NewComplete | Input File Name: | 120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x |

2. VENTILATION (§ 120.1)

Compliance Scope: NewComplete

D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-04-E)

Note: All applicable spaces are listed under the Non-Rectangular Spaces table

Climate Zone 14 Palmdale

120X40 (PC 04-116504) - Wall AC

Project Name:

Project Address:

§ 140.4

Report Generated at: 2018-06-23 19:53:38

| | NRCC-PRF-LTI-DETAILS -SECTION START- | | | | | | | | | | | | • |
|------|--------------------------------------|-------------------------|--|--|---|------------------------------------|-------------------------------|-------------------------|----------------------------------|------|---------|--|---|
| | Confi | rmed | | A. INDOOR CO | NDITIONED LIGHTING CONTROL | . CREDITS (Adapted from NRCC-L | ГІ-02-Е) | | , | | § 140.6 | | |
| | | | | Lighting Cor | ntrol Credits Schedule (includes all l compliance credit per §14 | Con | of If Assentance | Confi | rmed | | | | |
| | | Location in Building | Occupancy Type (must meet requirements of Table 140.6-A) | Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.) | # of Units | Watts of Controlled Lighting | Power Adjustment Factor | Control Credit Watts | V If Acceptance Test Required | Pass | Fail | | |
| Fail | | | S-1-First Floor | Classrooms, Lecture, Training, Vocational Areas | - none specified - | 1 | | 0.00 | 0 | | | | |

NRCC-PRF-01-E

Input File Name:

Page 17 of 19

120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

§ 140.6-D

Report Generated at: 2018-06-23 19:53:38

Calculation Date/Time: 19:52, Sat, Jun 23, 2018

| | . INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LTI-02-E) § 130. | 1 |
|--|---|---|
| | nis Section Does Not Apply | |

| C. TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E) | § 140.6 |
|--|---------|
| General lighting power (see Table D) | 0 |
| General lighting power from special function areas (see Table E) | NA |
| Additional "use it or lose it" (See Table G) | 0 |

| , | This Section Does Not Apply | | | | · |
|---|---------------------------------|---------------------------------|----------------|--|---------------|
| | E. GENERAL LIGHTING FROM SPECIA | AL FUNCTION AREAS (Adapted from | NRCC-LTI-04-E) | | § 140.6(c) 3H |
| | | | | | |

| Doom Number | Primary Function Area | Illuminance Value | Room Cavity Ratio | Allowed LPD | Floor Area (ft ²) | Allowed Watts | Confi | rmed |
|-------------|-----------------------|-------------------|-------------------|-------------|-------------------------------|---------------|-------|------|
| Room Number | Primary Function Area | (LUX) | (Table G) | Allowed LPD | Floor Area (It-) | Allowed watts | Pass | Fail |
| NA | NA | NA | · NA | NA | NA | NA | | |

B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY 5. **Rated Capacity** Airflow (cfm) (kBtuh) System ID BHP Cycles ECM Min. Ratio Design Min. 1-First Floor-Trm

| 1111501100111111 | Oncontrolled | 1423 | 1473 | . 146 | 11113111001 | 0230 | 117 | ''' | 117 | 1 11/ | | | 1 - |
|-------------------------|--------------|----------|------|-------|-------------|------|-----|-----|-----|-------|---|---|-----|
| | | | | - | | | | • | • | • | • | - | |
| C. EXHAUST FAN SUN | ИMARY | | | | | | | | | | | | |
| This Section Does Not A | pply | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

AC-1 to

AC-5

TOTAL

| | CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance | Report Version: NRCC-PRF-01-E-06152018-5302 | Report Generat |
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| ency Standards- 2016 Nonresidential Compliance | Report Version: NRCC-PRF-01-E-06152018-530 | Report Generated at: 2018-06-23 19:53 | 3:38 | CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance | | | | |
|--|---|---|--|--|--|--|--|--|
| 120X40 (PC 04-116504) - Wall AC | NRCC-PRF-01-E | Page 16 of 19 | | Project Name: | 120X40 (PC 04-116504) - Wall AC | | | |
| Climate Zone 14 Palmdale | Calculation Date/Time: | 19:52, Sat, Jun 23, 2018 | | Project Address: | Climate Zone 14 Palmdale | | | |
| NewComplete | Input File Name: | 120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x | | Compliance Scope: | NewComplete | | | |
| <u>-</u> | 120X40 (PC 04-116504) - Wall AC Climate Zone 14 Palmdale | 120X40 (PC 04-116504) - Wall AC NRCC-PRF-01-E Climate Zone 14 Palmdale Calculation Date/Time: | 120X40 (PC 04-116504) - Wall AC NRCC-PRF-01-E Page 16 of 19 Climate Zone 14 Palmdale Calculation Date/Time: 19:52, Sat, Jun 23, 2018 | 120X40 (PC 04-116504) - Wall AC NRCC-PRF-01-E Page 16 of 19 Climate Zone 14 Palmdale Calculation Date/Time: 19:52, Sat, Jun 23, 2018 | 120X40 (PC 04-116504) - Wall ACNRCC-PRF-01-EPage 16 of 19Project Name:Climate Zone 14 PalmdaleCalculation Date/Time:19:52, Sat, Jun 23, 2018Project Address: | | | |

| Compliance Scope: | NewComplete | Input File Name: | 120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x |
|-------------------|-----------------------|------------------|--|
| | | | |
| MUITI-FAMILY CENT | RALDHW SYSTEM DETAILS | | |

| E. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS | |
|--|--|
| This Section Does Not Apply | |
| | |

| This Section Does Not Apply | |
|---|-------|
| G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS (Adapted from 2016-NRCC-MCH-01-E) | § RA4 |
| Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Filmspector to verify). | ield |

| | | | | | | | | | | | | | | | | | | | 13 117 | - |
|--|---------------|-------------|---------------------|-----------------|---------------------|---------|----------------|---------------|-----------------------------|-------------------------------|-----------------------------|------------------|----------------------------|-------------------------------|-------------|------------------------|-----------------------------------|---------|--------|--------------|
| Declaration of Required Acceptance Certificates (NRCA) — Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Fiel | | | | | | | | | Field | | | | | | | | | | | |
| Test Descri | ption | MCH-02A | MCH-03A | MCH-04A | MCH-05A | MCH-06A | MCH-07A | MCH-08A | MCH-09A | MCH-10A | MCH-11A | MCH-12A | MCH-13A | MCH-14A | MCH-15A | MCH-16A | MCH-17A | MCH-18A | Confi | irme |
| Equipment Requiring Testing or Verification | # of units | Outdoor Air | Single Zone Unitary | Air Dist. Ducts | Economizer Controls | DCV | Supply Fan VAV | Valve leakage | Supply Water Temp. Reset | Hyd. Variable Flow Control | Auto Demand Shed Control | FDD for DX Units | Auto FDD for Air & Zone | Dist. Energy Storage DX AC | TES Systems | Supply Air Temp. Reset | Condenser Water Reset Controls | ECMS | Pass | Fail |
| AC-1 to | 5 | х | | | | | | | | | | | | | | | | | | |

Report Version: NRCC-PRF-01-E-06152018-5302

| H. EVAPORATIVE COOLER SUMMARY |
|-------------------------------|

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance

NRCC-PRF-MCH-DETAILS -SECTION START-

AC-1 to

AC-5

6,250

D. DHW EQUIPMENT SUMMARY – (Adapted from NRCC-PLB-01)

F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-STH-01)

CONDITIONED

ZONE NAME

This Section Does Not Apply

Confirmed

Report Generated at: 2018-06-23 19:53:38

Notes

A. MECHANICAL VENTILATION AND REHEAT (Adapted from 2016-NRCC-MCH-03-E)

1. DESIGN AIR FLOWS

This Section Does Not Apply

| Project Name: | 120X40 (PC 04-116504) - Wall AC | | NRCC-PRF-01-E | Page 18 of 19 | | | |
|--------------------|----------------------------------|------------------|-----------------------|----------------------------|--------------------|------|-------|
| Project Address: | Climate Zone 14 Palmdale | | Calculation Date/Time | : 19:52, Sat, Jun 23, 2018 | | | |
| Compliance Scope: | NewComplete | | Input File Name: | 120X40 PC - CZ14(Wall A | AC)R75RSPV.cibd16x | | |
| F. ROOM CAVITY RAT | FIO (Adapted from NRCC-LTI-04-E) | Rectangu | ılar Spaces | | | | |
| Doors Number | Task/Activity Description | Doom Longth (ft) | Doom Width (ft) | Doom Covity Hoight (ft) | DCD. | Conf | irmed |
| Room Number | rask/Activity Description | Room Length (ft) | Room Width (ft) | Room Cavity Height (ft) | RCR | Pass | Fail |
| NA | NA | NA | NA | NA | NA | | |

Report Version: NRCC-PRF-01-E-06152018-5302

| Room Number | Task/Activity Description | Room Length (ft) | Room Width (ft) | Room Cavity Height (ft) | RCR | Confi | irmed |
|----------------------------|----------------------------|------------------|-----------------|-------------------------|-----|-------|-------|
| Room Number | Tasky Activity Description | Noon Length (it) | Noom widen (ic) | Room Cavity Height (11) | KCK | Pass | Fail |
| NA NA | NA | NA | NA | NA | NA | | |
| Non-Rectangular Spaces | s . | | | | | | |
| This Section Does Not Appl | ly | | | | | , | |

| 1. | 2. | 3. | 4. | | Confi | irmed |
|--------------|---|---|---------------------------|---------------|-------|-------|
| Wall Display | Combined Floor Display and Task Lighting | Combined Ornamental and Special Effects Lighting | Very Valuable Merchandise | Allowed Watts | Pass | Fail |
| 0 | 0 | 0 | 0 | 0 | | |

| 5. Wall Display | | |
|------------------------------------|-----|--|
| This Section Does Not Apply | | |
| 6. Floor Display and Task Lighting | · . | |
| This Section Does Not Apply | | |

| 7. Combined Ornamental and Special Effects Lighting | |
|---|--|
| This Section Does Not Apply | |

| 8. Very Valuable Merchandise | | |
|------------------------------|--|--|
| This Section Does Not Apply | | |
| | | |
| | | |

| CA Building Energy Efficier | ncy Standards- 2016 Nonresidential Compliance | Report Version: NRCC-PRF-01-E-06152018-530 | Report Generated at: 2018-06-23 19:53:38 |
|-----------------------------|---|--|--|
| Project Name: | 120X40 (PC 04-116504) - Wall AC | NRCC-PRF-01-E | Page 19 of 19 |
| Project Address: | Climate Zone 14 Palmdale | Calculation Date/Time: | 19:52, Sat, Jun 23, 2018 |
| Compliance Scope: | NewComplete | Input File Name: | 120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x |

| H. INDOOR & OUTDOOR LIG | HTING ACCEPTANCE T | ESTS & FORMS (Adapted from | NRCC-LTI-01-E and NRC | CC-LTO-01-E) | | § 1 | 30.4 |
|--|--------------------------|--|--|--------------------------------|------------------------------|-----------|----------|
| Declaration of Required Accept | tance Certificates (NRCA | –Acceptance Certificates that m Field | ust be verified in the field. Inspector to verify). | (Retain copies and verify form | s are completed and signed t | o post in | field fo |
| Took Doored | | | Indoor | | Outdoor | Conf | irmed |
| Test Description | | NRCA-LTI-02-A | NRCA-LTI-03-A | NRCA-LTI-04-A | NRCA-LTO-02-A | | |
| Equipment Requiring Testing or Verification | # of units | Occ Sensors / Auto Time Switch | Auto Daylight | Demand Responsive | Outdoor Controls | Pass | Fail |
| Occupant Sensors | 0 | | | | | | |
| Automatic Time Switch | 0 | × | | | | | |
| Automatic Daylighting | 0 | | ⊠ | | | | |
| Demand Responsive | 0 | | | | | | |
| Outdoor Controls | 0 | | | | | | |

APPROVED DIVISION OF STATE ARCHITECT HIGH PERFORMANCE SECTION

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗸

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ORIGINAL PC STATE AGENCY APPROVAL FILE NUMBER: PC-128 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116504 ∕1NCR: 0 AC RM FLS EA SSR KER 07/19/2018

PROJECT TITLE 24' x 40'

> PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL **DENTIFICATION STAMP** DIV. OF THE STATE ARCHITECT

Revision Schedule

Description

120'x40' T24 CZ 16 (WALL AC)

PROJECT NUMBER 17016A DRAWN BY rMc/SC

CHECKED BY JA/RT

SHEET NO.

DATE 07/05/2018

SHEET OF SHEETS

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-06152018-5302

Report Generated at: 2018-06-23 19:53:38

| ENIVE | ODE MANDATORY MEASURES. NONDESIDENTIAL | ENV-MM |
|-------------------|--|----------------------|
| Project Name | OPE MANDATORY MEASURES: NONRESIDENTIAL | Date |
| • | PC 04-116504) - Wall AC | 6/23/2018 |
| DESCRI | PTION | |
| Building E | nvelope Measures: | |
| §110.8(a): | Installed insulating material shall have been certified by the manufacturer to comply with the Californi Standards for insulating material, Title 20 Chapter 4, Article 3. | |
| §110.8(c): | All Insulating Materials shall be installed in compliance with the flame spread rating and smoke densi Sections 2602 and 707 of Title 24, Part 2. | ty requirements of |
| §110.8(g): | Heated slab floors shall be insulated according to the requirements in Table 110.8-A. | |
| §110.7(a): | All Exterior Joints and openings in the building that are observable sources of air leakage shall be ca weatherstripped or otherwise sealed. | |
| §110.6(a): | Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0 window area, 0.3 cfm/ft.² of door area for residential doors, 0.3 cfm/ft.² of door area for nonresidential (swinging and sliding), and 1.0 cfm/ft.² for nonresidential double doors (swinging). | |
| §110.6(a): | Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor. | |
| §110.6(a): | Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestrate applicable default SHGC. | ion, or the |
| §110.6(b): | Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, a weatherstripped (except for unframed glass doors and fire doors). | |
| §120.7(a): | The opaque portions of the roof/ceiling that separates conditioned spaces from unconditioned spaces shall meet the applicable U-Factor requirements as follows: | or ambient air |
| , | Metal Building- The weighted average U-factor of the roof assembly shall not exceed 0.098. Wood Framed and Others- The weighted average U-factor of the roof assembly shall not exceed 0.098. | .075. |
| | The opaque portions of walls that separate conditioned spaces from unconditioned spaces or ambien applicable U-factor as follows: | t air shall meet the |
| | Metal Building- The weighted average U-factor of the wall assembly shall not exceed 0.113. Metal Framed- The weighted average U-factor of the wall assembly shall not exceed 0.151. Light Mass Walls- A 6 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor masonry U-factor masonry U-factor masonry U-factor masonry U-factor masonry U-factor mason | |
| §120.7(b): | Heavy Mass Walls- An 8 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor 0.690.Wood Framed and Others- The weighted average U-factor of the wall assembly shall not exceed 0. | .110. |
| | Spandrel Panels and Opaque Curtain Wall- The weighted average U-factor of the spandrel panel curtain wall assembly shall not exceed 0.280. Demising Walls The opaque portions of framed demising walls shall meet the requirements of Iter | |
| | A. Wood framed walls shall be insulated to meet a U-factor not greater than 0.099. B. Metal Framed walls shall be insulated to meet a U-factor not greater than 0.151. | |
| | The opaque portions of floors and soffits that separate conditioned spaces from unconditioned space shall meet the applicable U-Factor requirements as follows: | s or ambient air |
| §120.7(c): | Raised Mass Floors- Shall have a minimum of 3 inches of lightweight concrete over a metal deck of average U-factor of the floor assembly shall not exceed 0.269. | r the weighted |
| | Other Floors-The weighted average U-factor of the floor assembly shall not exceed 0.071. | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Mandatory Measures: The following notes (items) represent the Mandatory Measures for all buildings.

Heat pumps with supplementary electric resistance heaters shall have controls:

- 1) That prevent supplementary heater operation when the heating load can be met by the heat pump alone; and
- 2) In which the cut-on temperature for compression heating is higher than the cut-on temperature for supplementary heating, and the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary

Sec. 110.2 (b)

The minimum rate of outdoor air required per Section 120.1 (b) 2 shall be supplied to each space at all time the space is usually occupied.

Sec. 120.1 (c) 3

The Lesser of the minimum rate of outdoor air required by Sec. 120.1 (b) 2, or three complete air changes shall be supplied to the entire building during the one-hour period immediately before the building is normally occupied.

Sec. 120.1 (c) 2

Hotel/Motel Guest Room Thermostats shall have numeric temperature set points in degrees F; and set point stops accessible only to authorized personnel, to restrict overheating and over-cooling.

Sec. 120.2 (c)

All air distribution system ducts and plenums, including, but not limited to, building cavities, mechanical closets, air-handler boxes and support platforms used as ducts or plenums, shall be installed, sealed and insulated to meet the requirements of chapter 6 of the 2001 CMC. Supply-air and return-air ducts conveying heated or cooled air shall be insulated to a minimum installed level of R-8, unless ducts are in conditioned space. Sec. 120.4 (a)

The thermostatic controls for HVAC systems shall meet the following requirements as applicable:

- a) Each space conditioning zone shall be controlled by an individual thermostatic control that responds to temperature within the zone and meets the applicable requirements of Subsection (b).
- b) Each Thermostatic control required by Subsection (a) shall be capable of being set locally or remotely by adjustment or selection of sensors to control:
 - 1) Comfort heating down to 55°F or lower.
 - Comfort Cooling up to 85°F or higher.
 - Both heating and cooling, the thermostatic controls shall be capable of providing a temperature range or dead band of at least 5°F within which the supply of heating and cooling energy to the zone is shut off or reduced to a minimum.

Sec. 120.2 (a) & (b)

close upon fan shutdown. Sec. 120.2 (f)

2) Demand Control Ventilation Devices (CO2 sensors) shall be installed in accordance with Sec. 120.1 (c) 4.

1) Outdoor air supply and exhaust equipment shall be installed with dampers that automatically

Sec. 120.1 (c) 4

- 3) Each space-conditioning system shall be installed with controls that comply with Items 1 and 2
 - 1) Are capable of automatically shutting off the system during periods of non-use and shall have:
 - a) An automatic time switch control device complying with Sec. 119(c), with an accessible manual override that allows operation of the system for up to
 - 4 hours; or An occupancy sensor; or
 - A four-hour timer that can be manually operated.
 - EXCEPTION: Mechanical systems serving retail stores and associated malls, restaurants, grocery stores, churches, and theaters equipped with 7day programmable timers.
 - 2) Automatically restart and temporarily operate the system as required to maintain: a) A setback heating thermostat set point, if the system provides mechanical heating; and

EXCEPTION: Area with the design winter outdoor temperature of greater

A setup cooling thermostat set point, if the system provides mechanical

EXCEPTION: Area with the design summer outdoor temperature of less than 100°F.

EXCEPTION: Systems serving hotel/motel guest rooms, if they have a readily accessible manual shut-off switch.

Sec. 120.2 (e)

4) The piping for all space conditioning and service water heating systems shall be insulated in accordance with TABLE 123-A. Sec. 120.3

5) Service water heating systems and equipment shall meet the applicable requirements of the Appliance Efficiency Regulations as required by Sec. 110.1.

Sec. 110.3 (b)

6) Service hot water systems with circulating pumps or with electrical heat trace systems shall be capable of automatically turning off the system. Sec. 110.3 (c) 2

7) Lavatories in public restrooms shall have controls that limit the water supply temperature to

Sec. 110.3 (c) 3

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 6/29/2023

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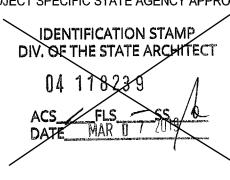
ORIGINAL PC STATE AGENCY APPROVAL FILE NUMBER: PC-128 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116504 AC RM FLS EA SSR KER 07/19/2018

PROJECT TITLE

24' x 40' **EXPANDABLE TO** 120' x 40'

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

Description

PROJECT NUMBER

120'x40' T24 CZ 16 (WALL AC)

17016A

DRAWN BY rMc/SC CHECKED BY JA/RT DATE 07/05/2018

GENERAL NOTES:

1- DUCTWORK SHALL HAVE R-8 INSULATION.

2- PER 2016 CALIFORNIA MECHANICAL CODE (CMC) SECTION 603.4.1 AND SECTION 603.5 FACTORY-MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE MORE THAN FIVE (5) FEET IN LENGTH AND SHALL BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS.



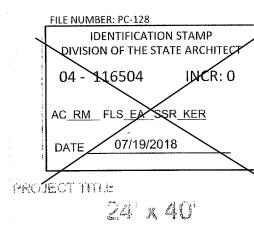
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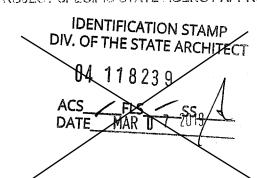
ORIGINAL PC STATE AGENCY APPROVAL



24' x 40' EXPANDABLE TO 120' x 40'

> PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule Description

SHEET TITLE MECHANICAL CELLING PLAN

24x40

PROJECT NUMBER

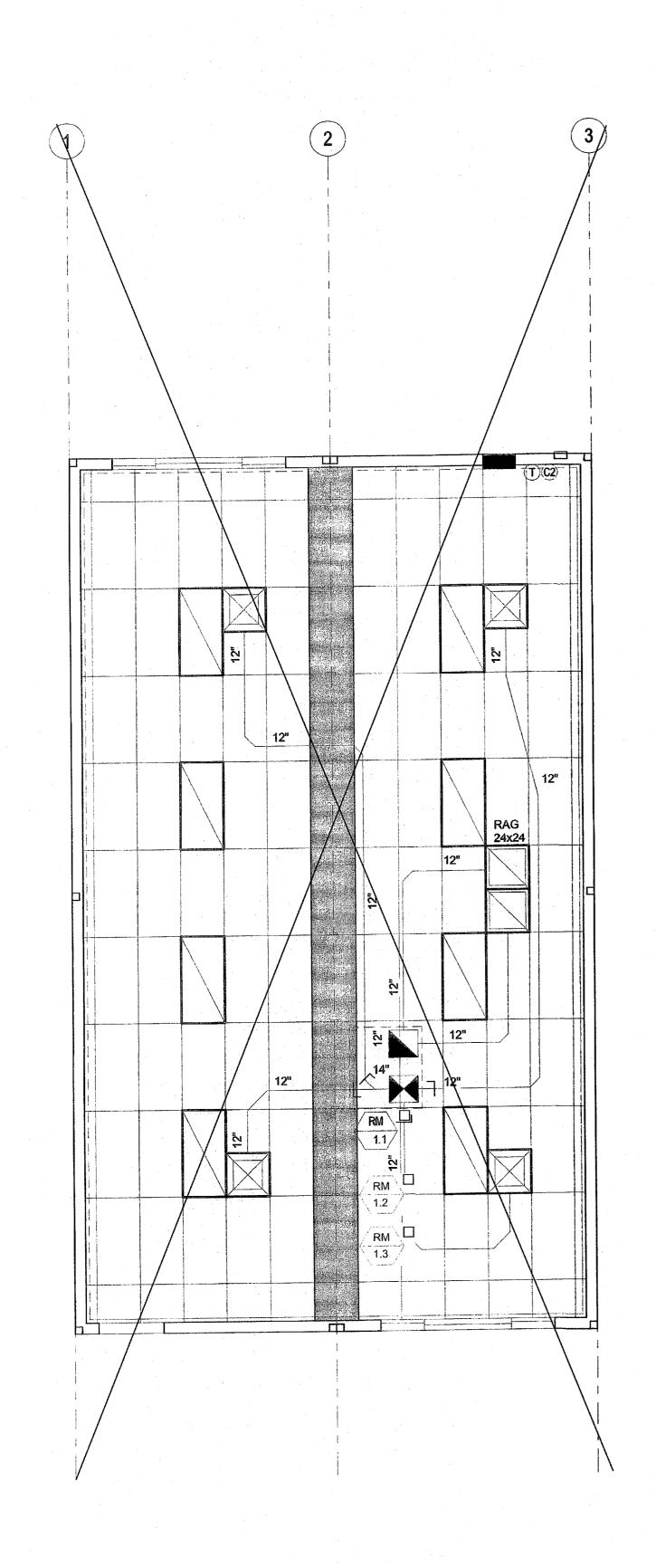
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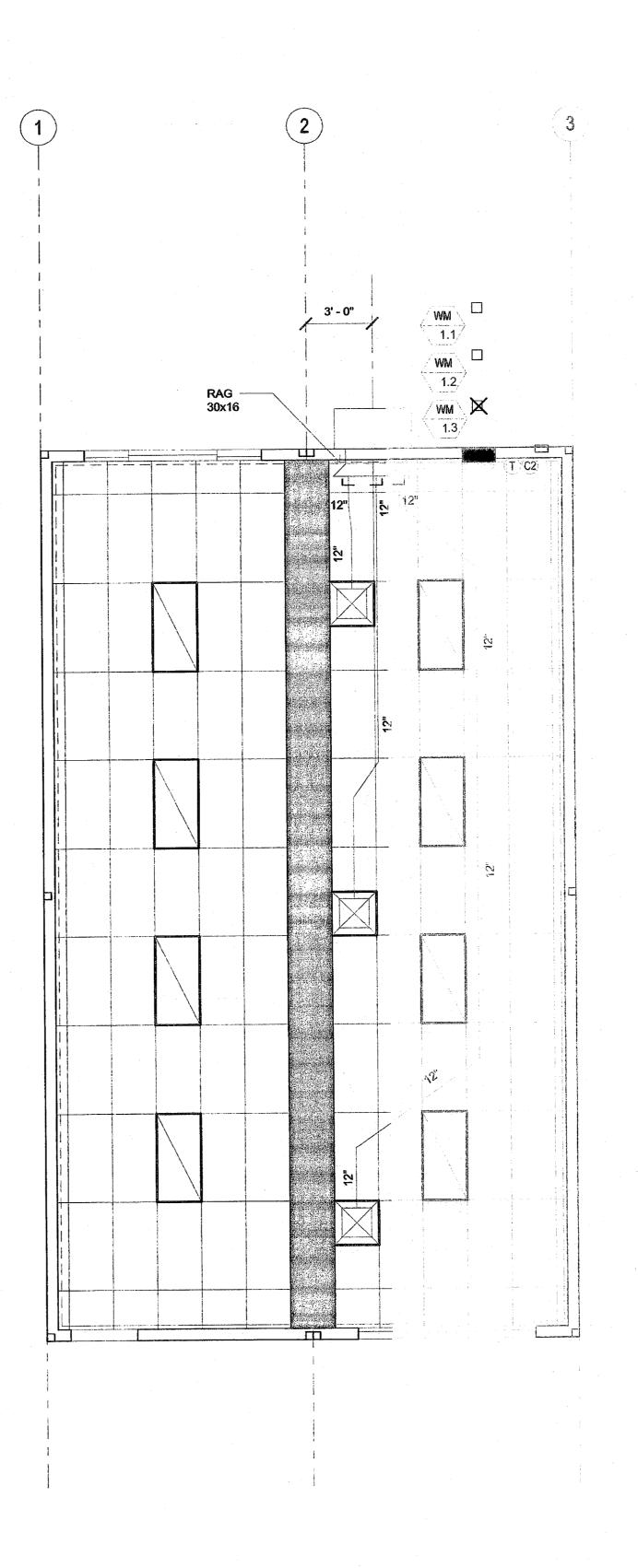
17016A

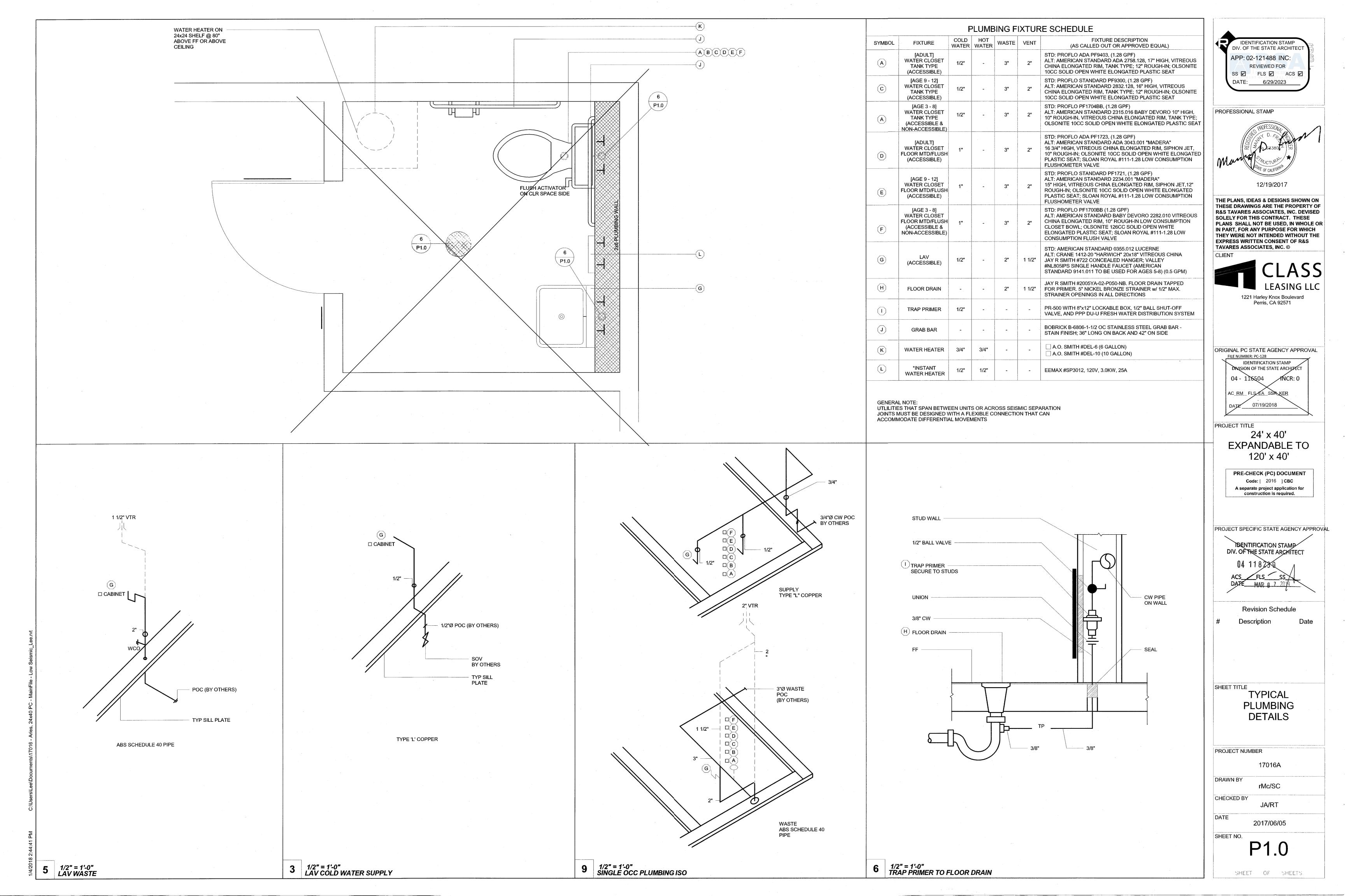
CHECKED BY

DATE 2017/0**6/0**5

SHEET NO.







FABRICATION, ERECTION, AND SHOP PAINTING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES. HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED, UNLESS SPECIFIED IN THE STRUCTURAL DRAWINGS

ASTM A992 GRADE 50

CONCRETE

- ALL CONCRETE WORK, UNLESS MODIFIED BY CONTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 19A, CBC 2013 AND ACI 318-11.
- TESTS AND INSPECTION SHALL BE PERFORMED BY A TESTING LABORATRY CONTRACTED BY THE DISTRICT.
- MIX DESIGN SHALL BE SUBMITTED FOR QUALIFICATION AND PROVIDE A 28-DAY COMPRESSIVE STRENGTH F'C OF 3500 PSI, COMPOSED OF NORMAL WEIGHT TYPE I PORTALAND CEMENT IN CONFORMANCE WITH ASTM C150.
- FORMWORK SHALL RESULT IN FINAL STRUCTURE THAT CONFORMS TO SHAPES. LINES, AND DIMENSIONS AS REQUIRED BY THE CONTRACT DOCUMENTS.
- LOCATIONS OF VENTS AND OPENINGS FOR MECHANICAL AND ELECTRICAL USE SHALL BE VERIFIED BY ARCHITECT.
- EMBEDMENT OF MATERIALS NOT HARMFULL TO CONCRETE AND WITHIN LIMITATIONS OF SECTION 6.3, ACI-318-11 SHALL BE PERMITTED. REFER TO OTHER DISCIPLINES FOR LOCATION OF
- CONDUIT, PIPES, FITTINGS, SLEEVES, ETC. CONTINUOUS BATCH PLANT INSPECTION WAIVED PER CBC 1705A3.3. WHEN CONTINUOUS BATCH PLANT INSPECTION
- WAIVED, THE FOLLOWING PERIODIC INSPECTION SHALL BE REQUIRED:(INSPECTIONS PROVIDED BY DISTRICT)
- QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT THE START OF THE LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTIFY AND CERTIFY TO EACH
- LOAD BY A BATCH TICKET. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH THE LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, AND INSPECTOR WILL KEEP A APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TIME OF RECEIPT, AND TRANSMIT A COPY OF THE DAILY RECORD

TO THE ENFORCEMENT AGENCY.

ANCHOR BOLTS, AND REINFORCING STEEL SHALL BE SECURELY TIED BEFORE CONCRETE IS POURED.

STEEL REINFORCEMENT

- DEFORMED BARS SHALL CONFORM TO ASTM A615.
- fy= 40,000 PSI, FOR ALL BARS EXEPT FOR #3 BARS, fy= 60,000 PSI.
- PROVIDE A MINIMUM CONCRETE COVER FOR REINFORCEMENT EMBEDDED IN: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
- CONCRETE EXPOSED TO EARTH OR WEATHER FOR #5 BARS OR SMALLER = 1.5"
- SPLICE LENGTHS SHALL BE A MINIMUM OF 48" FOR #5 BARS, AND 30" FOR #4 BARS UNLESS OTHERWISE SPECIFIED DRAWINGS.

ALL BOLTS AND ANCHOR BOLTS SHALL COMFORM ATO ASTM A-307

BOLTS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED BY THE HOT-DIP OR MECHANICAL

WELDING

- A. ALL WELDING SAHLL BE IN COMFORMANCE TO:
 - a. AWS D1.1, EXCEPT AS MODIFIED IN SECTION J2, AISC-360 FOR STEEL
 - AWS D1.3 FOR LIGHT GAUGE STEEL c. AWS D1.4 FOR REINFORCING STEEL
- ELECTRODE CLASSIFICATION:
 - a. E70XX FOR STEEL AND CONCRETE STEEL REINFORCEMENT E60XX FOR LIGHT GAUGE STEEL
- WELDS SHALL BE CAPABLE OF PRODUCING THE FOLLOWING V-NOTCH TOUGHNESS AS DETERMINED BY APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MANUFACTURER
 - LATERAL FORCE RESISTING SYSTEM (LFRS) = 20 FT-LB AT 0 DEGREE F
- COMPLETE JOINT PENETRATION GROOVE WELD = 20 FT-LB AT 40 DEGREE F
- SHOP AND FIELD WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
- INSPECTION:
 - PERIODIC INSPECTION OF FILLET WELDS LESS THAN OR EQUAL TO 5/16", FLOOR AND ROOF DECK WELDS
 - CONTINUOUS INSPECTION FOR OTHER WELDS.
- NONDESTRUCTIVE TESTING (NDT):
- a. ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16" OR THICK OR GREATER. ULTRASONIC TESTING NOT REQUIRED FOR MATERIALS LESS THAN 5/16" THICK. TESTING FREQUENCY MAY BE REDUCED TO 25%, PROVIDED
- PROVISIONS SET FORTH IN SECTION N5.5e, AISC-360 IS MET. b. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. TESTING FREQUENCY MAY BE REDUCED TO 10%, PROVIDED PROVISIONS IN J6.2g, AISC-341 IS MET. SET FORTH

FOUNDATIONS

GEOTECHNICAL INVESTIGATION SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 1803A.1 THROUGH 1803A.8 BY A GEOTECHNICAL ENGINEER CONTRACTED BY THE DISTRICT. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TALBLE 1806A.2, WHERE GEOTECHNINCAL REPORTS IS NOT REQUIRED PER SECTION 1803A.2. A MAXIMUM ALLOWABLE SOIL PRESSURE OF 1000 PSF AND 1500 PSF SHALLBE PERMITTED FOR TEMPORARY WOOD AND PERMANENT CONCRETE FOUNDATIONS RESPECTIVELY IN ACCORDANCE WITH SECTION 4.6, IR 16-1.13

A PREVIIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED. THE ALLOWABLE FOUNDATIONA AND LATERAL SOIL PRESSURE VALUES ARE ALLOWED A 33% INCREASE FOR SHORT TERM WIND AND SEIMIC LOADS.

THE DISTRCT SHALL BE RESPONSIBLE FOR EXCAVATION, BACKFILL, SETTING ELEVATIONS, CRANING AND RIGGING. PROVIDE SHIMS TO LEVEL BUILDING WITHIN 1/2" TOLERANCE.

COLD-FORMED STEEL:

- ALL WORK SHALL, UNLESS MODIFIED BY THE CONCTRACT DOCUMENTS, SHALL BE PERFORMED
- IN ACCORDANCE WITH CURRENT AISI SPECIFICATIONS AND STANDARDS.
- MATERIAL SPECIFICATION:
 - ASTM A-1011/A, GRADE 33 FOR MATERIALS THICKNESS 0.120 OR LESS UNLESS OTHERWISE NOTED
 - ASTM A-1003, GRADE 33 TYPE H FOR LIGHT GUAGE STUDS AND TRACKS SHAPES SHALL BE DIMENSIONED TO SSMA SPECIFICATIONS.
- C. SCREWS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED

STEEL DECK

MINIMUM THICKNESS PERMITTED FOR FLOOR STEEL DECKS IS 20GA. PER DSA IR 16-1.13, 1.2.1, MINIMUM THICKNESS OF NON-STRUCTURAL STEEL ROOF DECKING IS 26GA. STANDING SEAM ROOF PANELS ARE GRADE 40 SHEET STEEL WITH AN ALUMINUM ZINC COATING CONFORMING TO ASTM A792 AND AZ55.

<u>CHANGES</u>

12" = 1'-0" CHANGES AFFECTING STRUCTURAL PORTION OF THE APPROVED PC SHALL NEED DSA APPROVAL AND STRUCTURAL SHOTE'S CLASSIFIED AS CCD CATEFORY A.

ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY

EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION IN ACCORDANCE WITH THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

- 1. SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD, SHALL PROVIDE A SMOOTH AND UNIFORM SURFACE
- CAPABLE OF ACCEPTING CARPET FINISH PLYWOOD ROOF DECK OPTION: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING
- EXTERIOR WALL SIDING:
 - STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
 - OPTION: 5/8" MOD OPTION: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
- OPTION: 1/2" OSB OR CDX PLYWOOD FOR HARDIE BOARD (LAP SIDING) FINISH
- EXTERIOR WALL SIDING ATTACHMENT:

FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS, SILICON BRONZE OR COPPER PER CBC SECTION 2304.9.1.1

FASTEN TO WOOD FRAMING WITH 8D BOX NAILS @ 6" E.N., 12" F.N. FASTEN TO LIGHT GAGE METAL FRAMING WITH #8 WAFER HEAD STSMS @ 6" E.N., 12" F.N. FASTEN TO STRUCTURAL STEEL WITH #12 STSMS OR 0.145 DIAM SHOT PINS @ 12" O.C.

TREATED WOOD:

ALL WOOD LOCATED WITHIN 6" OF EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL IN ACCORDANCE WITH CBC SECTION 2304.11.2.2.

- ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER. ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER
- DRIVEN FASTENERS (ICC # ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD
- SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

ROOF DIAPHRAGM:

3/4" T&G RATED SHEATHING, EXPOSURE 1, 48/24 SPAN RATING FASTEN AT METAL SUPPORTS W/ #10 x 1 1/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS @ 4" O.C. BN, 6" O.C. EN, AND 12" O.C. FN. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

FLOOR DIAPHRAGM:

1 1/8" PLYWOOD - STURD-I-FLOOR T&G RATED SHEATHING, EXTERIOR, 48" oc SPAN RATING FASTEN AT METAL SUPPORTS W/ #10 - 24 x 1 3/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS @ 6" O.C. BN, 6" O.C. EN, 12" FN. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2

LIGHTWEIGHT CONCRETE FLOOR CONCRETE FLOOR DATA: STRENGTH: 3500 PSI TYPF: LOR II

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:

DESINTY: 110 PCF - MAX

2 x STUDS AT CORNER STEEL COLUMNS (NAILING STUD) USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK

NAILING NOTES:

SCREWS AT 24" OC.

- ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
- MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE
- SECOND MEMBER, AND SHALL NOT BE LESS THAN 3" IN OVERALL LENGTH. NAILS SHALL BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIREMENT EMBEDMENT IS MAINTAINED.

CONNECTIONS AND FASTENERS:

ALL CONNECTIONS AND FASTENERS IN DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT PROVIDING ICC REPORTS ARE SUBMITTED TO AND APPROVED BY DSA.

CONNECTIONS LAG SCREWS:

LAG SCREWS SHALL BE INSTALLED WITH WASHER AND TURNED BY WRENCH, OVER-TORQUING SHALL BE AVOIDED. A PRE-DRILLED CLEARANCE AND LEAD HOLE SHALL BE REQUIRED AS DESCRIBED BELOW:

a) THE CLEARANCE HOLE FOR THE UNTHREADED PORTION OR THE SHANK SHALL HAVE SAME DEPTH AND

- THE LEAD HOLE FOR THE THREADED PORTION OF THE SHANK SHALL HAVE SAME DEPTH AND 65% TO 85% OF SHANK DIAMETER FOR LUMBER WITH SPECIFC GRAVITY OF, G > 0.6 60% TO 75% OF SHANK DIAMETER FOR LUMBER WITH SPECIFC GRAVITY OF, $0.5 < G \le 0.6$
- LEAD OR CLEARANCE HOLES SHALL NOT BE REQUIRED FOR 3/8" DIAMETER OR SMALLER LAG SCREWS.

40% TO 70% OF SHANK DIAMETER FOR LUMBER WITH SPECIFC GRAVITY OF, G \leq 0.5

BALLISTIC PINS OPTIONS

- HILTI X-CR PIN WITH 0.145 SHANK DIAMTER, ICC ESR-1663 RAMP SET 1500 PIN WITH 0.145 SHANK DIAMETER, ICC ESR-1799
- SIMPSON STRONG TIE PDP PIN WITH 0.145 SHANK DIAMETER, ICC ESR-2138

NAILING SCHEDULE: (ALL NAILS SHALL BE COMMON, GALVANIZED WHERE EXPOSED) PER C.B.C. TABLE 2304.9.1

| | CONNECTION | FASTENING | LOCATION |
|-----|---|--------------------|---|
| 1. | JOIST TO SILL OR GIRDER | 3-8d | TOENAIL |
| 2. | BRIDGING TO JOIST | 2-8d | TOENAIL EA. END |
| 3. | 1X6 OR LESS SUBFLOOR TO EA. JOIST | 2-8d | FACE NAIL |
| 4. | WIDER THAN 1X6 SUBFLOOR TO EA. JOIST | 3-8d | FACE NAIL |
| 5. | 2" SUBFLOOR TO JOIST | 2-16d | BLIND & FACE NAIL |
| 6. | SOLE PLT. TO JOIST OR BLK'G. TO EA. JOIST | 16d@16" | TYP. FACE NAIL |
| | SOLE PLT. TO JOIST OR BLK'G. @ BRACED WALL PANEL | 3-16d@16" | TYP. FACE NAIL |
| 7. | TOP PLT. TO STUD | 2-16d | END NAIL |
| 8. | STUD TO SOLE PLT. | 2-16d | END NAIL |
| | OR | 4-8d | TOENAIL |
| 9. | DOUBLE STUDS | 16d@24" | END NAIL |
| 10. | DOUBLE TOP PLT. | 16d@16" | TYP. FACE NAIL |
| 10. | DOUBLE TOP PLT: | 8-16d MIN. U.N.O. | |
| 11. | BLKG. BTW. JOIST OR RAFTERS TO TOP PLT. | 3-8d | TOENAIL |
| 12 | RIM JOIST TO TOP PLT. | 8d@6" | TOENAIL |
| | TOP PLT., LAPS & | 2-16d | FACE NAIL |
| 10. | INTERSECTIONS | 2 100 | TAGENAL |
| 14. | CONT. HDR. 2 PIECES | 16d@16" | ALONG EDGE |
| 15. | CLG. JOIST TO PLT. | 3-8d | TOENAIL |
| | CONT. HDR. TO STUD | 4-8d | TOENAIL |
| 17. | CLG. JOIST LAP OVER | 3-16d | FACE NAIL |
| 18. | PARTITONS CLG. JOIST PARALLEL TO RAFTERS | 3-16d | FACE NAIL |
| 19. | RAFTER TO PLT. | 3-8d | TOENAIL |
| 20. | 1" DIA. BRACE TO EA. STUD & PLT. | 2-8d | FACE NAIL |
| 21. | 1X8 SHT'G. TO EA. BRG. | 3-8d | FACE NAIL |
| 22. | WIDER THAN 1X8 SHT'G. TO BRG. | 3-8d | FACE NAIL |
| | BUILT-UP CORNER STUDS BUILT-UP GIRDERS & BEAMS | 16d@24" 20d@32" | FACE NAIL @ TOP & BTM. STAGR. ON OPP. SIDES |
| | | 2-20d | FACE NAIL @ ENDS & @ EA. SPLICE |
| 25. | 2" PLANKS | 2-16d | @ EA. BRG. |
| | COLLAR TIE TO RAFTER | 3-10d | FACE NAIL |
| | JACK RAFTER TO HIP | 3-10d | TOENAIL |
| | ROOF RAFTER TO 2X RIDGE | 2-16d | TOENAIL |
| - | | 2-16d | FACE NAIL |
| 20 | JOIST TO BAND JOIST | 3-16d | FACE NAIL |
| 23. | | 1-A34 | FACE NAIL |

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 6/29/2023

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Perris, CA 92571

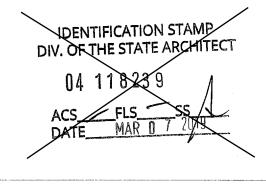
ORIGINAL PC STATE AGENCY APPROVAL FILE NUMBER: PC-128 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITEC 04 - 116504 **∕**NCR: 0 AC RM FLS EA SSR KER 07/19/2018

PROJECT TITLE 24' x 40'

> PRE-CHECK (PC) DOCUMENT Code: | 2016 | CBC A separate project application for construction is required.

120' x 40

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

Description

STRUCTURAL GEN

NOTES

17016A

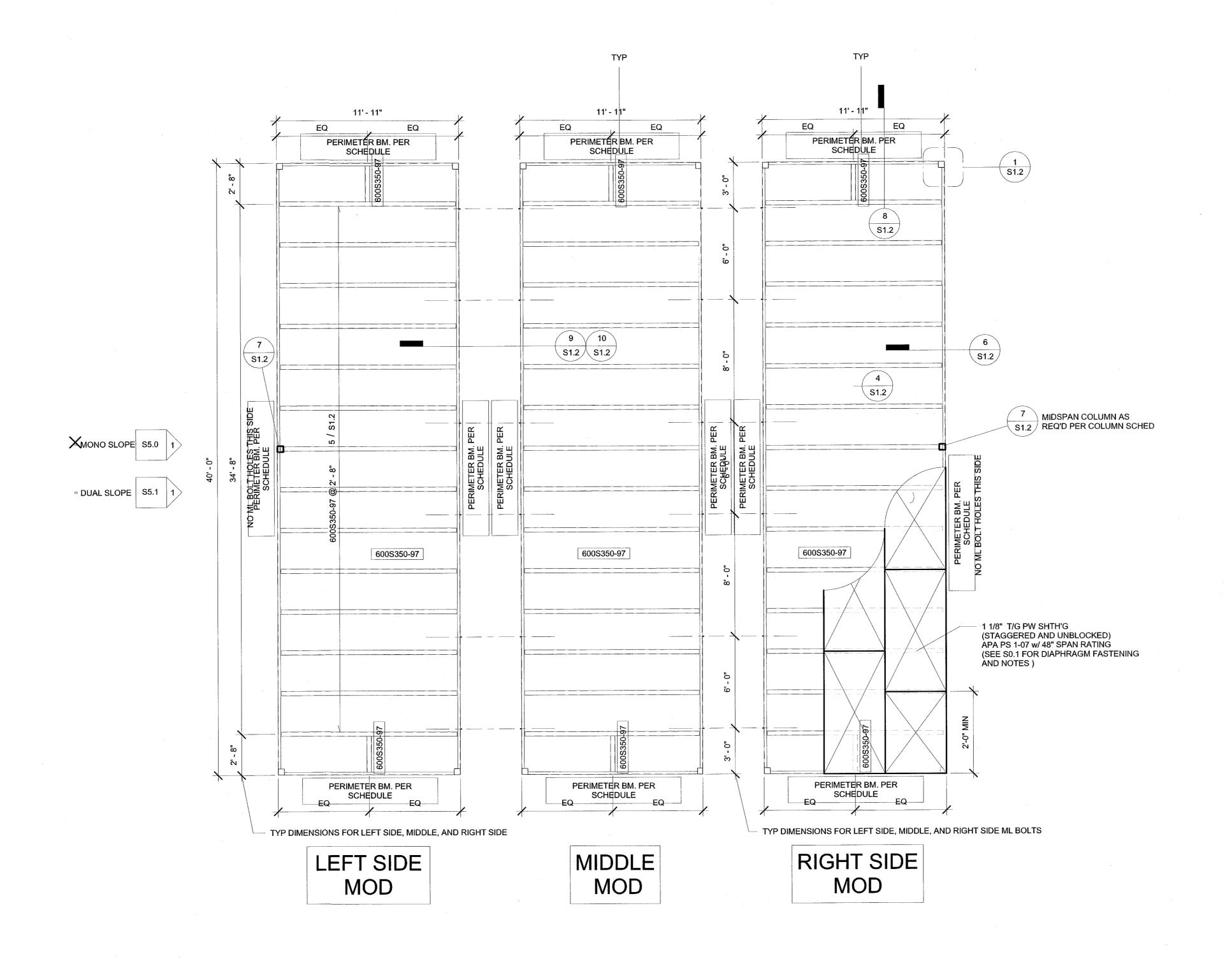
PROJECT NUMBER

DRAWN BY rMc/SC

CHECKED BY

JA/RT 2017/06/05

SHEET NO.



 Perimeter Floor Beam Schedule

 HT
 No Plaster Walls
 Plaster Walls
 w/ Parapet, 18" max

 ∑9'
 C8x11.5
 C8x11.5
 C8x11.5

 □ 10'
 C8x11.5
 C8x11.5
 C8x11.5

NOTE: SPLICE AT FLOOR BEAM PERMITTED PER 3/S1.2

| HT | No Plaster Walls | Plaster Walls | w/ Parapet, 18" max |
|-------------|------------------|---------------|--------------------------|
| ⋈ 9' | 5x5X1/4 | 5x5X1/4 | 5x5X1/4 |
| □ 10' | 5x5X1/4 | 5x5X5/16* | 5x5X5/16* |
| | | | 3x3X3/16 mid-span column |

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 02-121488 INC:
REVIEWED FOR
SS FLS ACS D

DATE: 6/29/2023

PROFESSIONAL STAMP



12/19/2017

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CLASS LEASING LLC

1221 Harley Knox Boulevard Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: PC-128

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

04 - 116504

AC RM FLS EA SSR KER

DATE 07/19/2018

PROJECT TITLE

24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT

Code: [2016] CBC

A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

04 178239

ACS__FLS__SS__DATE__MAR_ 0 7 20

Revision Schedule

Description

WD SHTH'G FLR FRM'G PLAN

(50+15 PSF)

PROJECT NUMBER

17016A

rMc/SC

CHECKED BY

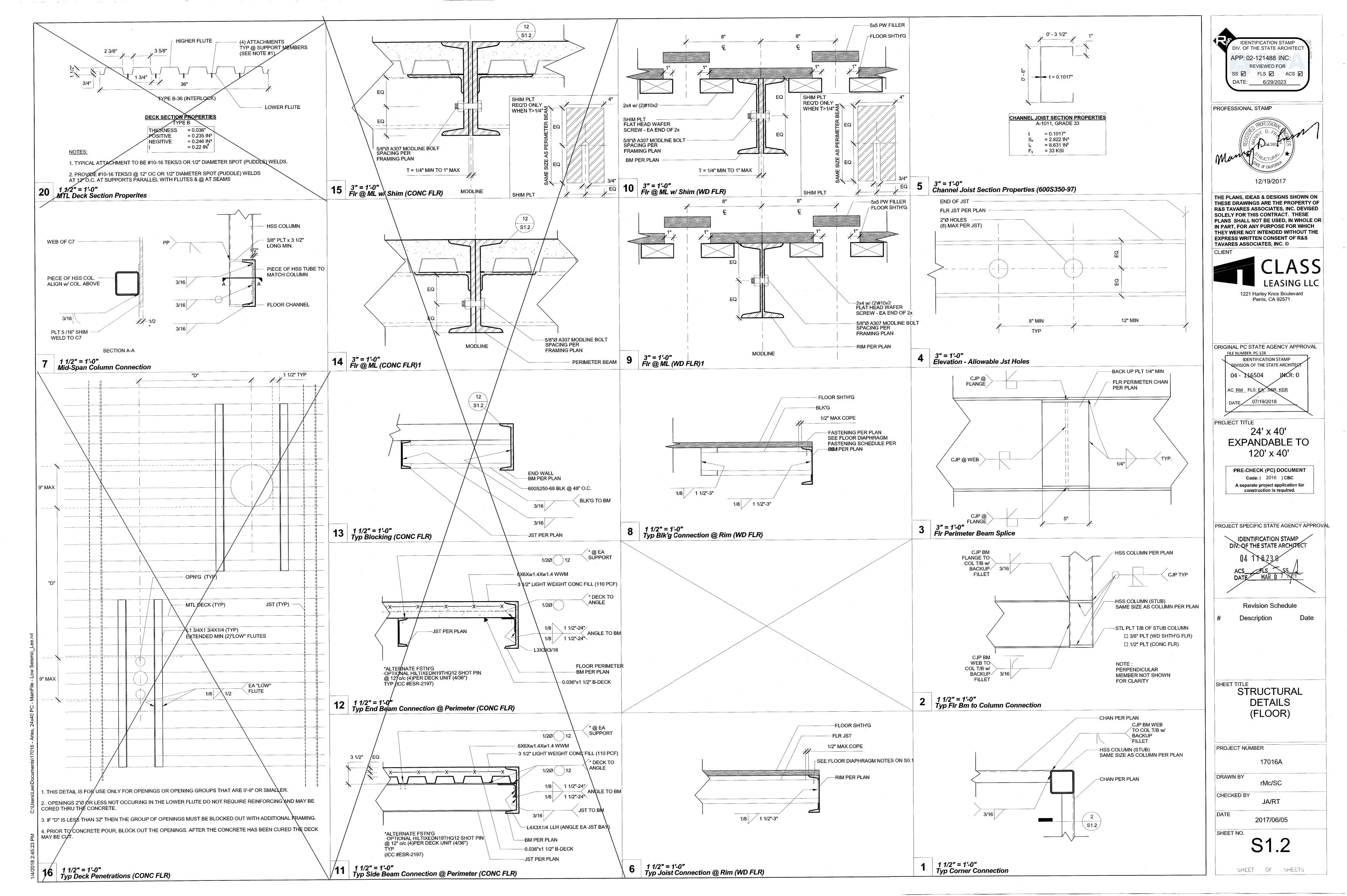
JA/F

DATE 2017/06/05

S1.0.1

SHEET OF SHEETS

1/4" = 1'-0"
WD Shth'g FIr Framing Plan (50+15 PSF)



OPT. 2 OPT. 1

800S200-68

TRUSS

2'-6" OH S3.1 OH S3.1

15 14 13

\$3.2 \ \$3.2 \ \$3.2 \ 10 \ 9 \ 8 \ \$3.2 \ \$3

METAL PARAPET AT OVERHANG

WOOD PARAPET AT OVERHANG

800S200-68

TRUSS

S3.1

(1 BRACE AT ___/ EITHER BLK'G)

800S200-68

12 S3.1

800S350-118

S3.1

S3.2

S3.2

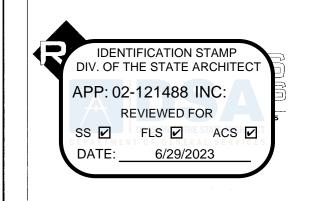
METAL PARAPET

WOOD PARAPET

800S350-118

(2)

S3.2



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ORIGINAL PC STATE AGENCY APPROVAL FILE NUMBER: PC-128 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT AC RM FLS EA SSR KER 07/19/2018

PROJECT TITLE 24' x 40' EXPANDABLE TO 120' x 40'

> PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 04 118339

Revision Schedule

Description

SHEET TITLE MONO SLOPE ROOF FRM'G PLAN

PROJECT NUMBER 17016A DRAWN BY rMc/SC

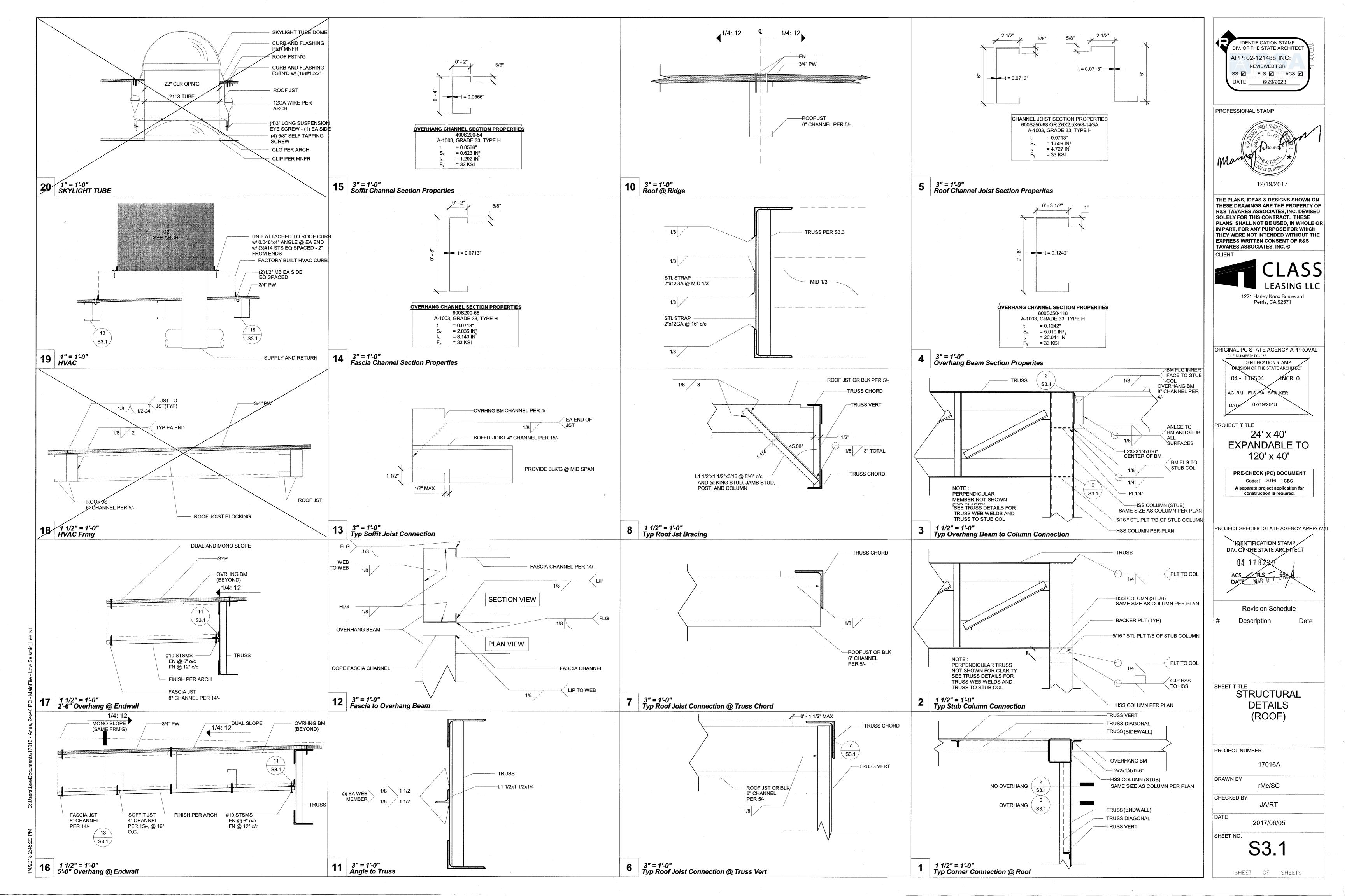
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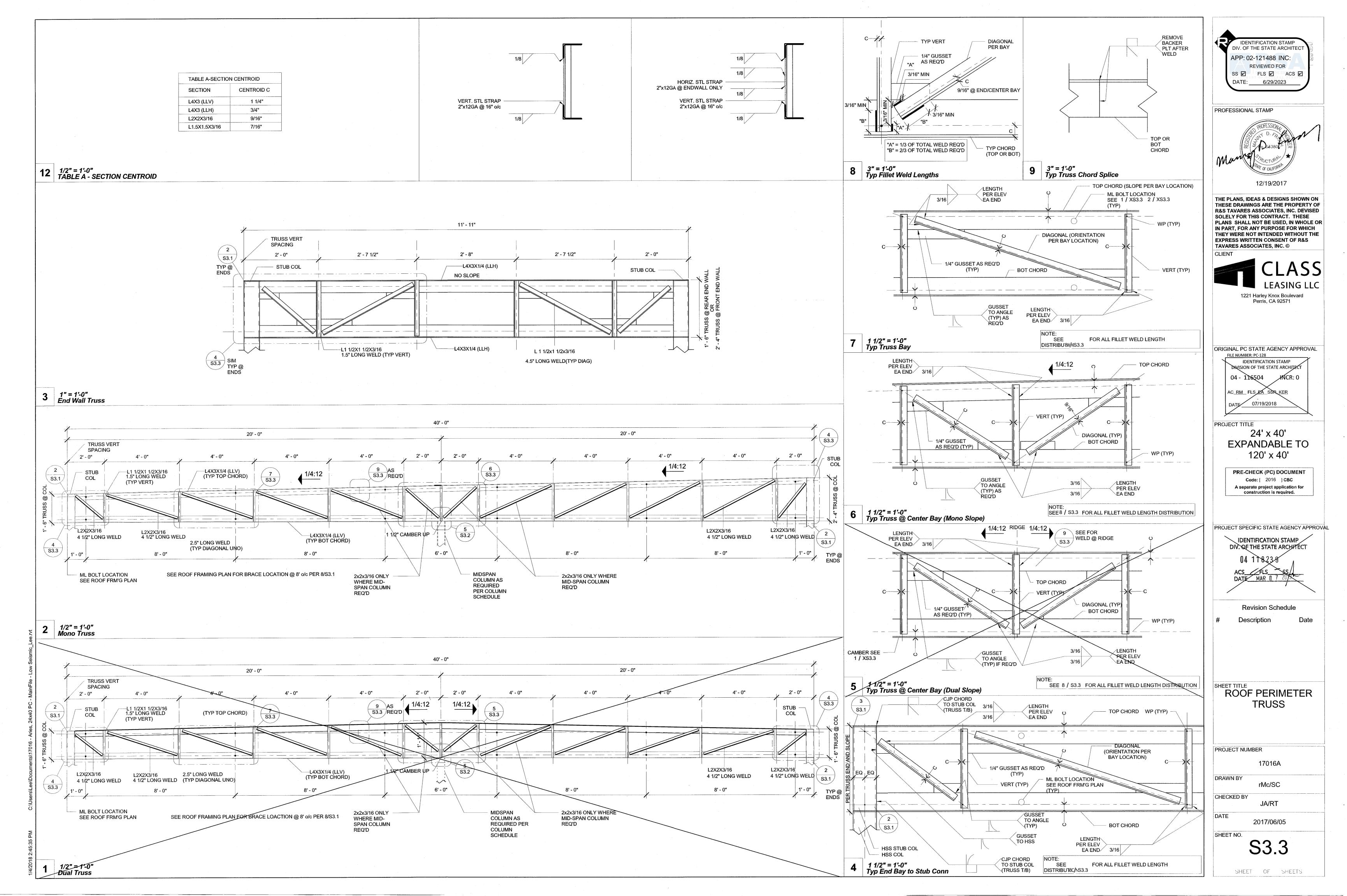
DATE 2017/06/05

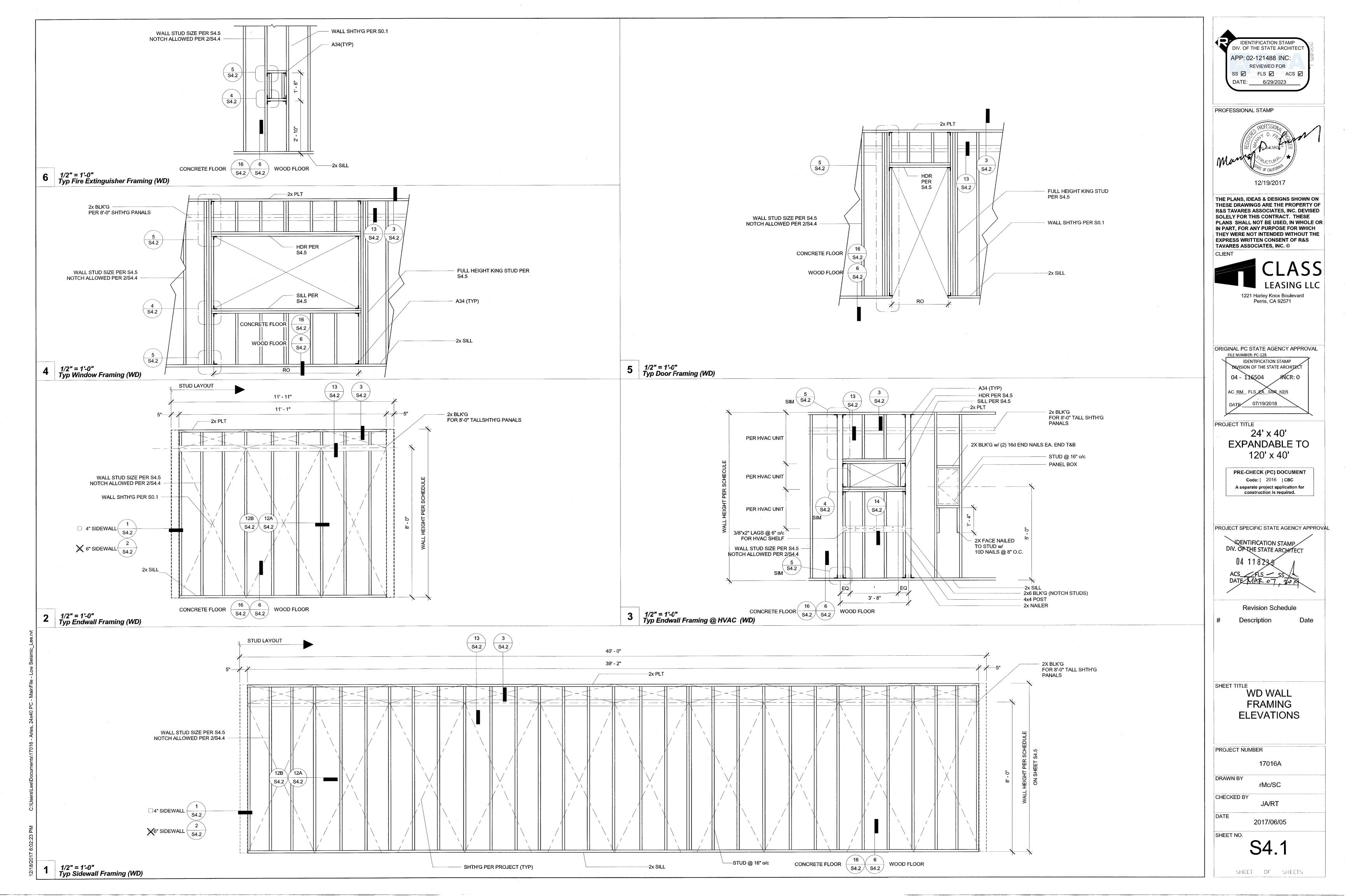
SHEET NO. S3.0.1

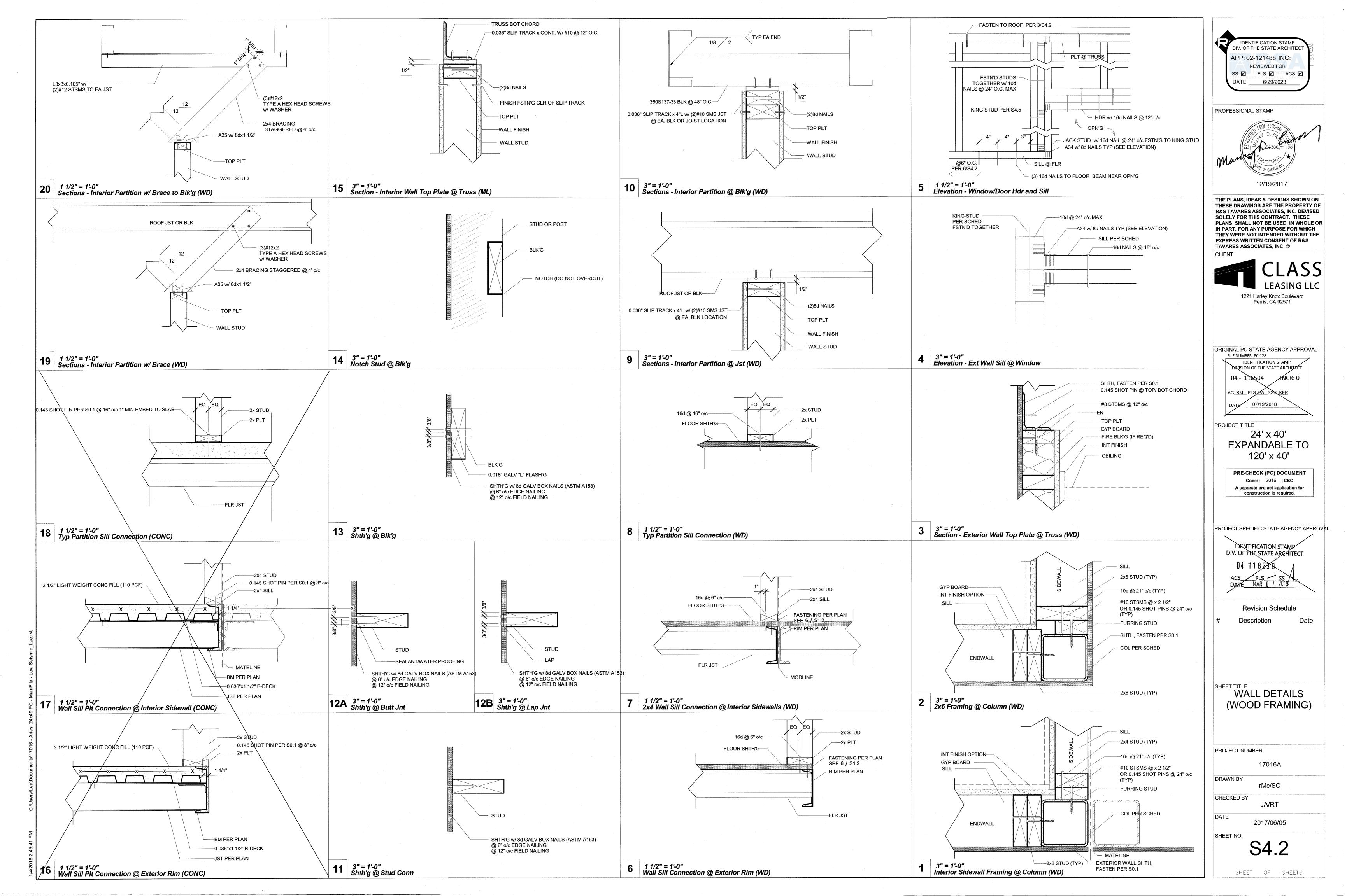
SHEET OF SHEETS

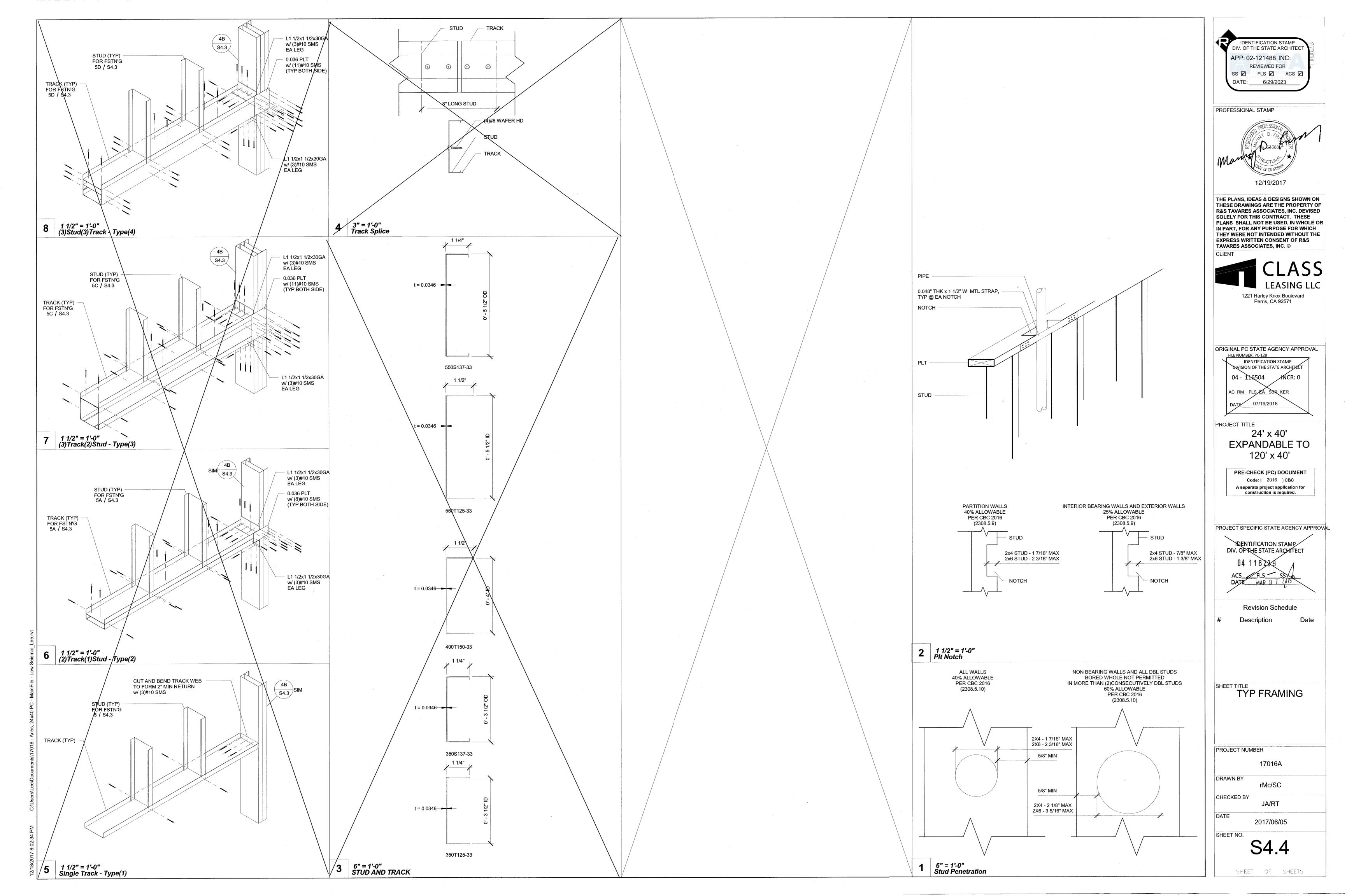
1/4" = 1'-0" Mono Roof Framing Plan











| | | | 7 | 2x4 Interio | r Wall Openi | ng Schedule | | | | |
|---------------|---------------|--------|--------|-------------|--------------|-------------|-----------------------|--------|--------|------|
| COL HEIGHT | OPN'G SIZE | HDR | | SILL | | | FULL HEIGHT KING STUD | | | |
| | | Lumber | Number | Туре | Lumber | Number | Type | Lumber | Number | Туре |
| 9FT | 3070 | HF | 1 | #2 | - | - | _ | HF | 2 | #2 |
| | | DF | 1 | #2 | - | - | - | DF | 2 | #2 |
| | 4070 | HF | 1 | #2 | - | - | - | HF | 2 | #2 |
| | | DF | 1 | #2 | - | - | | DF | 2 | #2 |
| | 6040 | HF | 2 | #2 | DF | 2 | #2 | HF | 2 | #2 |
| | 8040 | DF | 2 | #2 | DF | 2 | #2 | DF | 2 | #2 |
| | | HF | 3 | #2 | HF | 3 | #2 | HF | 2 | #2 |
| | | DF | 3 | #2 | DF | 3 | #2 | DF | 2 | #2 |
| 10FT | 3070 | HF | 1 | #2 | - | - | - | HF | 2 | #2 |
| | | DF | 1 | #2 | | - | - | DF | 2 | #2 |
| | 4070 | HF | 1 | #2 | _ | - | - | HF | 2 | #2 |
| | | DF | 1 | #2 | - | - | - | DF | 2 | #2 |
| | 6040 | HF | 2 | #2 | HF | 2 | #2 | HF | 2 | #2 |
| | | DF | 2 | #2 | DF | 2 | #2 | DF | 2 | #2 |
| | 8040 | HF | 3 | #2 | HF | 3 | #2 | HF | 2 | #2 |
| | | DF | 3 | #2 | DF | 3 | #2 | DF | 2 | #2 |

| | | 2x4 Interior | Wall Fram | ing Schedule | | | | | |
|------------|--------|--------------|-----------|--------------------------|--------|--------|------|---------|--|
| COL HEIGHT | | Typical L | ocation | 4ft From Building Corner | | | | | |
| | Lumber | Number | Туре | Spacing | Lumber | Number | Туре | Spacing | |
| 9 | HF | 1 | #2 | 16" O.C. | - | - | - | _ | |
| | DF | 1 | #2 | 16" O.C. | - | - | - | - | |
| 10 | HF | 1 | #2 | 16" O.C. | _ | - | - | - | |
| | DF | 1 | #2 | 16" O.C. | - | - | - | - | |

Number Type Spacing Lumber

Stud

Stud

16" o/c

16" o/c

Type

Spacing

9'- 0"

350\$137-33

350S137-33

| COL | OPN'G | | HDR | | | SILL | | FULL I | HEIGHT KING | STUD | | |
|--------|-------|--------|--------|------|--------|--------|------|--------|-------------|------|--|--|
| HEIGHT | SIZE | | | | | | | | | | | |
| | | Lumber | Number | Type | Lumber | Number | Туре | Lumber | Number | Туре | | |
| 9FT | 3070 | HF | 1 | #2 | HF | 1 | #2 | HF | 1 1 | #2 | | |
| · | | DF | 1 | #2 | DF | 1 | #2 | DF | 1 | #2 | | |
| | 4070 | HF | 1 | #2 | HF | 1 | #2 | HF | 1 | #2 | | |
| | | DF | 1 | #2 | DF | 1 | #2 | DF | 1 | #2 | | |
| | 6040 | HF | 1 | #2 | HF | 1 | #2 | HF | 1 | #2 | | |
| | | DF | 1 | #2 | DF | 1 | #2 | DF | 1 | #2 | | |
| | 8040 | HF | 2 | #2 | HF | 1 | #2 | HF | 2 | #2 | | |
| | | DF | 2 | #2 | DF | 1 | #2 | DF | 2 | #2 | | |
| 10FT | 3070 | HF | 1 | #2 | HF | 1 | #2 | HF | 1 | #2 | | |
| | | DF | 1 | #2 | DF | 1 | #2 | DF | 1 | #2 | | |
| | 4070 | HF | 1 | #2 | HF | 1 | #2 | HF | 1 | #2 | | |
| | | DF | 1 | #2 | DF | 1 | #2 | DF | 1 | #2 | | |
| | 6040 | HF | 2 | #2 | HF | 1 | #2 | HF | 2 | #2 | | |
| | | DF | 2 | #2 | DF | 1 | #2 | DF | 2 | #2 | | |
| | 8040 | HF | 3 | #2 | HF | 1 | #2 | HF | 2 | #2 | | |
| | | DF | 3 | #2 | DF | 1 | #2 | DF | 2 | #2 | | |

| | 2x6 Exte | erior Wall Fra | ming Sche | dule (SHTH'G | FINISH) | | | | |
|------------|----------|----------------|-----------|----------------------------|---------|--------|------|----------|--|
| COL HEIGHT | · | Typical L | ocation | 4.8ft From Building Corner | | | | | |
| | Lumber | Number | Туре | Spacing | Lumber | Number | Туре | Spacing | |
| 9 | HF | 1 | #2 | 16" O.C. | HF | 1 | #2 | 16" O.C. | |
| | DF | 1 | #2 | 16" O.C. | DF | 1 | #2 | 16" O.C. | |
| 10 | HF | 1 | #2 | 16" O.C. | HF | 1 | #2 | 16" O.C. | |
| | DF | 1 | #2 | 16" O.C. | DF | 1 | #2 | 16" O.C. | |

NOTE: SEE DETAIL 1 ON SHEETS A2.1 - A2.8

| | | | 2x6 Exte | rior Wall Op | ening Sched | ule (PLASTEI | R FINISH) | | - | | |
|---------------|---------------|--------|----------|--------------|-------------|--------------|-----------|--------|--------------------|------|--|
| COL HEIGHT | OPN'G SIZE | | HDR | | | SILL | - | FULL I | L HEIGHT KING STUD | | |
| | | Lumber | Number | Туре | Lumber | Number | Type | Lumber | Number | Туре | |
| 9FT | 3070 | HF | 1 | #2 | HF | 1 | #2 | HF | 1 | #2 | |
| | | DF | 1 | #2 | DF | 1 | #2 | DF | 1 | #2 | |
| | 4070 | ΉF | 1 | #2 | HF | 1 | #2 | HF | 1 | #2 | |
| | | DF | 1 | #2 | DF | 1 | #2 | ØF | 1 | #2 | |
| | 6040 | HF | 2 | #2 | HF | 1 | #2 | HF | 2 | #2 | |
| | | DF | 2 | #2 | DF | 1 | #2/ | DF | 1 | #2 | |
| | 8040 | HF | 3 | #2 | HF | 1 | #2 | HF | 2 | #2 | |
| | | DF | 3 | #2 | DF | 1 / | #2 | DF | 2 | #2 | |
| 10FT | 3070 | HF | 1 | #2 | HF | 1 | #2 | HF | 2 | #2 | |
| | | DF | 1 | #2 | DF | 1 | #2 | DF | 1 | #2 | |
| | 4070 | HF | 1 | #2 | HE | 1 | #2 | HF | 2 | #2 | |
| | | DF | 1 | #2 | DF | 1 | #2 | DF | 1 | #2 | |
| | 6040 | HF | 2 | #2 / | HF | 1 | #2 | HF | 2 | #2 | |
| | - | DF | 2 | #2 | DF | 1 | #2 | DF | 2 | #2 | |
| | 8040 | HF | 3 | #2 | HF | 1 | #2 | HF | 2 | #2 | |
| | | DF | 3 / | #2 | DF | 1 | #2 | DF | 2 | #2 | |

| / | 2x6 Exte | rior Wall Fra | ming Sche | dule (PLASTE | R FINISH) | | | | |
|------------|--------------------------------|---------------|-----------|--------------|-----------|--------|---------------|----------|--|
| COL HEIGHT | Typical Location 4.8ft From Bu | | | | | | ilding Corner | | |
| | Lumber | Number | Туре | Spacing | Lumber | Number | Type | Spacing | |
| 18 | HF | 1 | #2 | 16" O.C. | HF | 1 | #2 | 16" O.C. | |
| | DF | 1 | #2 | 16" O.C. | DF | 1 | #2 | 16" O.C. | |
| 10 | HF | 1 | #2 | 16" O.C. | HF | 1 | #2 | 16" Q.C. | |
| | DF | 1 | #2 | 16" O.C. | DF | 1 | #2 | 16" O.C. | |

| | | | , | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|----------|-------------|----------------|------------------|-------------|----------------|---------------|----------|------------|-----------|------------|------------|------------------------|-------------------|---------------------|---------------|--------|------------|---------|------------|-------------|-----------------------|----------------|----------------------|----------------|------|-------------|
| 350 Int | erior Wa | all Opening | g ScheduleStud | ds = 350S137- | -33Tracl | k = 350T125-33 | | | | ₾550 | Exterior ' | Wall Openi | ing Schedule (SHTH'G F | FINSIH)Studs | = 550S137-33Track | = 550T125-33 | | | □ 550 | Exterior W | /all Openin | g Schedule (PLASTER F | INSIH)Stud | = 550S137-33Tracl | c = 550T125-33 | | |
| | Qpn'g | • | HDR | | | SILL | FULL | HEIGHT I | KING STUD | Col Ht | Opn'g | | HDR | | SILL | | HEIGHT | KING STUD | Col | Opn'g | | HDR | | SILL | | | KING STUD |
| Ht | Size | Туре | Reference | • | Туре | Reference | Туре | Num. | Size | Ht Ht | Size | Туре | Reference | Туре | | Туре | Num. | Size | Ht | Size | Туре | | Туре | | Туре | Num. | Size |
| | 3070 | 1 | 5 | | N/A | N/A | Stud | (2) | 350S137-33 | | 3070 | 7 | 5 | N/A | N/A | Stud | (2) | 550S137-33 | | 3070 | 1 | 5 | N/A | N/A | Stud | (2) | 550S137-33 |
| | 4070 | 1 | 5 | | N/A | N/A | Stud | (2) | 350S137-33 | | 4070 | 1 | 5 | N/A | N/A | Stud | (2) | 550S137-33 | 9'- 0" | 4070 | 1 | 5 | N/A | N/A | Stud | (2) | 550\$137-33 |
| 9'- 0" | 6040 | 2 | 6 | | 2 | 6 | Stud | (3) | 350S137-33 | 9'- 0" | 6040 | 2 | 6 | 2 | 6 | Stud | (3 | 550S137-33 | 9-0 | 6040 | 2 | 6 | 2 | 6 | Stud | (3 | 550S137-33 |
| | 8040 | 3 | 8 | | 3 | 8 | Stud | (3) | 350S137-33 | | 8040 | 3 | 6 | 3 | 6 | Stud | (3) | 550S137-33 | | 8040 | 3 | 6 | 3 | 6 | Stud | (3 | 550S137-33 |
| | 3070 | 1 | 5 | | N/A | N/A | Stud | (2) | 350S137-33 | | 3070 | 1 | 5 | N/A | NYA | Stud | (2) | 550S137-33 | | 3070 | 1 | 5 | N/A | NA | Stud | (2) | 550S137-33 |
| | 4070 | 2 | 5 | | N/A | N/A | Stud | (2) | 350S137-33 | 10'- 0" | 4070 | 2 | 5 | N/A | N/A | Stud | (2) | 550S137-33 | 10'- 0" | 4070 | 2 | 5 | N/A | N/A | Stud | (2) | 550\$137-33 |
| 10'- 0" | 6040 | A | 6 | | 2 | 6 | Stud | (3) | 350S137-33 | 10-0 | 6040 | 2 | 6 | 2 | 6 | Stud | (3) | 550S137-33 | | 6040 | 2/ | 6 | 2 | 6 | Stud | (3) | 550S137-33 |
| | 8040 | 4 | 8 | | 4 | 8 | Stud | (4) | 350S137-33 | | 8040 | 4 | 6 | 4 | 6 | Stud | (4) | 550S137-33 | | 8040 | 4 | 6 | 4 | 6 | Stud | (4) | 550S137-33 |
| | | | П | 1 350 Interior V | Nall Framii | na Schedule | | | | | | | □ 550 I | Exterior Wall Fra | ming Schedule (SHTH | 'G FINISH) | | | | | | ☐ 550 Ext | erior Wall Fra | aming Schedule (PLAS | TER FINISH) | | |
| | | | | p Wall Framin | | | From Corner S | Stud | | | | | | Il Framing | | From Corner S | itud | | | المعالمة | aht | Typ Wall F | | | From Corner St | ud | |
| Colu | ımn Hei | ght | | nber Typ | | | | Туре | Spacing | | Column He | eight | Size Number | | pacing Lumber | | Туре | Spacing | | olumn Hei | gnt | Size Number | Type S | pacing Lumber | Number T | уре | Spacing |

Number Type Spacing Lumber

Stud 16" o/c 550S137-33

16" o/c 550S137-33

550S137-33

550S137-33

9'- 0"

Stud

Column Height Size Number Type Spacing Lumber Number Spacing Type 550S137-33 Stud 16" o/c 9'- 0" Stud 16" o/c | 550S137-33 550S137-33 16" o/c 550S137-33 Stud Stud

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-121488 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

PROFESSIONAL STAMP



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ORIGINAL PC STATE AGENCY APPROVAL FILE NUMBER: PC-128

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT AC RM FLS FA SSR KER DATE 07/19/2018 PROJECT TITLE

24' x 40' **EXPANDABLE TO** 120' x 40'

PRE-CHECK (PC) DOCUMENT Code: [2016] CBC A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT ACS__FLS__SS___ DATE___MAR__R 7 2019

Revision Schedule

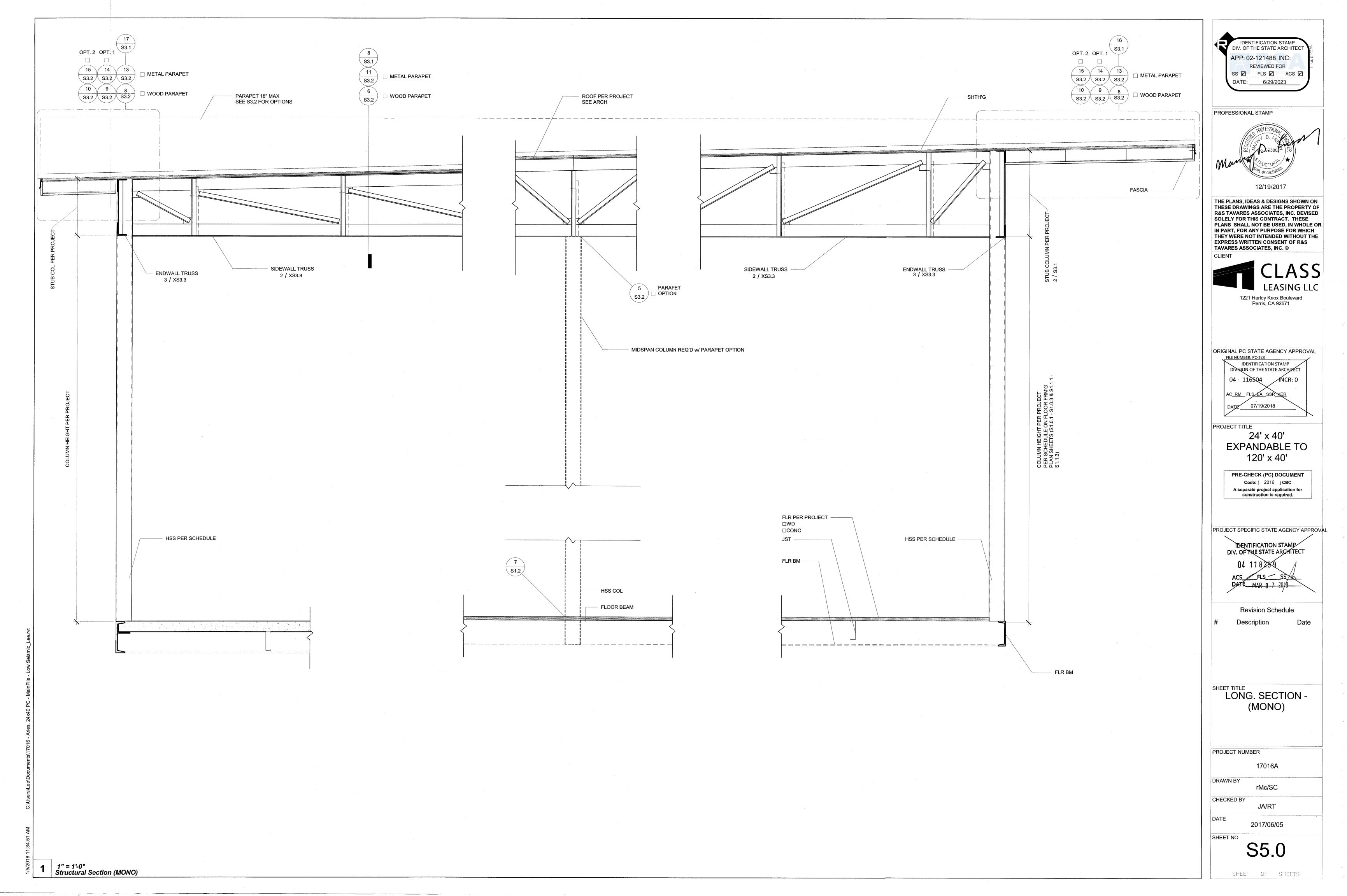
SHEET TITLE FRAMING SCHEDULES

PROJECT NUMBER 17016A

DRAWN BY rMc/SC CHECKED BY JA/RT

DATE 2017/06/05

SHEET NO.



1320 Oleander Ave. Perris, CA 92571-7408 (951) 943-1908 Fax (951) 943-5768

RELOCATION FOUNDATION PC

SCOPE OF WORK: DSA FOUNDATION PLANS FOR EXISTING STOCKPILE BUILDINGS FOR CLASS LEASING, LLC.

BUILDING DATA 24 x 40 to 120 x 40 RIGID FRAME

04-113536 | 04-112072

04-113715 | 04-112072

04-113849 04-112072 04-113892 04-112072

STKP# DSA# PC-BASE

STKP 102 04-113537 04-112070

STKP 123 04-113850 04-112070

BUILDING DATA 36 X 40 RIGID FRAME

SHEET INDEX: STOCKPILE BUILDING FOUNDATION - 2019 CODE UPDATE

FOUNDATIONS

BUILDING DATA - 24 x 40 SHEAR WALL

52515 45400-SHR

C1.0 COVER SHEET, BUILDING DATA, STOCKPILE APPROVAL INDEX C1.1 NOTES, APPLICABLE BUILDING CODES, SPECIFICATIONS

马G-2.0. 24 x 40 - 50, 50+20 PSF CONCRETE FOUNDATION PLAN, ADJACENT <u>BUILDING PAD</u> C-3.0 36 X 40 - 50, 50 + 20 PSF CONCRETE FOUNDATION PLAN, ADJACENT BUILDING PAD CONCRETE FOUNDATION PLAN, ADJACENT BUILDING PAD ☐ C-4.0 36 x 40 - 100 PSF C-5.0 48 x 40 - 50, 50 + 20 PSF CONCRETE FOUNDATION PLAN, ADJACENT BUILDING PAD CONCRETE FOUNDATION PLAN, ADJACENT BUILDING PAD □C 6.0 48 X 40 - 100 PSF

MODTECH

MODTECH

AURORA

▼ F1.0 24x40 - 50, 50 + 20 PSF FOUNDATION PLAN, ADJACENT BUILDING PAD 7 F2.0 36x40 - 50, 50+20 PSF FOUNDATION PLAN, ADJACENT BUILDING PAD FOUNDATION PLAN, ADJACENT BUILDING PAD] F4.0 48x40 - 50 PSF FOUNDATION PLAN, ADJACENT BUILDING PAD F5.0 48x40 - 50 + 20 PSE FOUNDATION PLAN, ADJACENT BUILDING PAD FOUNDATION PLAN, ADJACENT BUILDING PAD ☐ F6.0 48X40 - 100 PSF

06/19/2014 24 x 40 to 120 x 40 50+15 / 150 # SILVER CREEK INDUSTRIES

08/28/2014 24 x 40 to 120 x 40 50+15# SILVER CREEK INDUSTRIES
11/20/2014 24 x 40 to 120 x 40 50+15# SILVER CREEK INDUSTRIES

SIZE FLOOR LOAD BLDG MFG

04/23/2015 24 x 40 to 120 x 40 50+15#

04/04/2014 24 x 40 to 120 x 40

04/04/2014 30 X 32 50+1*5*#

SILVER CREEK INDUSTRIES

SILVER CREEK INDUSTRIES

SILVER CREEK INDUSTRIES

CLASS LEASING-APPROVED STOCKPILE A NUMBERS FOR THIS FOUNDATION PC

| S MAX | | |
|-------------------------|--|--|
| FRONT | | |
| -GRADE | | |
| NG + | | |
| FRONT | | |
| GRADE | | |
| NG □ | | |
| FRONT | | |

| STKP 13 | 61957 | PC 247 | 06-29-1994 | -24 x 40 | 50# | MODTECH |
|---------------------|-----------------|----------------------------------|--|-------------------------------|---------------------------------------|-------------------------------|
| STKP 22 | 55113 | PC 80 | 10-05-1990 | 24 x 40 | 50# | MODTECH |
| STKP 24 | 55580 | PC 95 | 06-14-1994 | 24 x 40 | 50#_ | MODTECH |
| STKP 77 | 57970 | PC 247 | 11-10-1997 | 24 x 40 | 50# | MODTECH |
| SIKP 1029 | 50643 | SHR | 10-21-1988 | 24 x 40 | 50+20# | MODTECH |
| | | | | | | |
| RUILDING DAT | TA - 24 x 40 RI | GID FRAME | | | | |
| | | | | | | |
| STKR 11 | 52482 | MRF | 06-13-1991 | 24 x 40 | 50+20# | MODTECH |
| STKP 14 | 57679 | PC 96 | 03-19-1992 | 24 x 40 | 50# | MODIFECH |
| STKP 18 | | PC 243 | 05-19-1992 | 24 x 40 | 50# | MODTECH |
| | 63288 | | | | 50# | |
| STKP 19 | 63321 | PC 242 | 05-11-1995 | 24 x 40 | | MODTECH |
| STKP 20 | 55031 | PC 79 | 09-18-1990 | 24 x 40 | 50# | MODTECH |
| STKP 21 | 55032 | PC 79 | 09-19-1990 | 24 x 40 | 50# | MODTECH |
| STKP 23 | 55347 | PC 79 | 11-26-1990 | 24 x 40 | 50# | MODTECH |
| STKP 27 | 6 54 93 | PC 266 | 07-31-1996 | 24 x 40 | 50# | MODTECH |
| STKP 31 | 66318 | PC 266 | 11-12-1996 | 24 x 40 | 50+⁄20# | MODTECH |
| STKP 33 | 67333 | PC 266 | 03-11-1997 | 24 x 40 | / 50# | MODTECH |
| STKP 35 | 04-100117 | PC 266 | 01-15-1998 | 24 x 40 | / 50+20# | MODTECH |
| STKP 37 | 04-100596 | PC 266 | 08-10-1998 | 24 x 40 | 50+20# | MODTECH |
| STKP 39 | 04-100595 | P& 275 | 08-10-1998 | 24 x 40 | 50+20# | MODTECH |
| STKP 40 | 04-100690 | PC 282 | 09-03-1998 | 24 x 40 | 50+20# | MODTECH |
| STKP 42 | 04-100929 | PC 268 | 01-07-1999 | 24/x 40 | 50+20# | MODTECH |
| STKP 43 | 04-101555 | PC 275 | 09-09-1999 | 2 4 x 40 | 50# | MODTECH |
| STKP 44 | 04-101602 | PC 266 | 09-30-1999 | 24 x 40 | 50+20# | MODTECH |
| STKP 48 | 04-101768 | PC 101268 | 12-16-1999 | 24 x 40 | 50# | MODTECH |
| STKP 51 | 04-102015 | PC 101268 | 03-16-2000 | 24 x 40 | 50#, 50+20# | MODTECH |
| | | | | | · · · · · · · · · · · · · · · · · · · | |
| STKP 53 | 04-102365 | PC 101268 | 07-08-2000 | 24 x 40 | 50+20# | MODTECH |
| STKP 56 | 04-102824 | PC 101268 | 12/21-2000 | 24 x 40 | 50# | MODTECH |
| STKP 62 | 04-104169 | PC 101268 | 04-18 2002 | 24 x 40 | 50+20# | MODTECH |
| STKP 67 | 04-104812 | PC 101268 | 12-05-2802 | 24 x 40 | 50+20# | MODTECH |
| STKP 70 | 04-105299 | PC 104801 | 05-22-2003 | 24 x 40 | 50+20# | MODTECH |
| STKP 75 | 04-110431 | PC 04-105/337 | 06-05-2003 | 24 x 40 | 50# | MODTECH |
| STKP 76 | 04-105455 | PC 04-1/04796 | 07-17-2003 | 24 x 40 | 50# | MODTECH |
| STKP 78 | 04-109208 | PC 106884 | 12-03-2007 | 24 × 40 | 50# | CURRENT/SMI |
| STKP 107 | 65965 | PC 266 | 05-24-1996 | 24 x 40 | 50# | MODTECH |
| STKP 109 | 66341 | PC 275 | 05-20-1999 | 24 x 40 | 50# | MODTECH |
| STKP 110 | 04-100118/ | PC 04-100073 | | 24 x 40 | 50# | MSI |
| STKP 111 | 04-101984 | PC 04-101419 | | 24 x 40 | 50# | MODTECH |
| STKP 112 | 04-104082 | PC 04-101419 | | 24 x 40 | 50# | MODTECH |
| STKP 113 | 04-104310 | PC 04-101419 | | 24 x 40 | 50# | MODTECH |
| STKP 114 | 04-105455 | PC 04-104796 | | 24 x 40 | 50# | MODTECH |
| STKP 130 | 04-101527 | PC 270 | 09-12-1999 | 24 x 40 | 50# /50+20# | MODTECH |
| | / | | | | · · · · · · · · · · · · · · · · · · · | |
| STKP 131 STKP SW | 04-104946 | PC 04-101419 | 01-23-2003 | 24 x 40 | 50# /50+20# | MODTECH |
| | 57194 | PC 79 | 11-08-1991 | 24 x 40 | 50+20# | MODTECH |
| MANUFACTURER PC | | PC 04-101055 | 06-29-1999 | 24 x 40 | 50+20# | AURORA |
| MANUFACTURER PC | 03-105678 | PC 04-101055 | 06-29-1999 | 24 x 40 | 50# | AURORA |
| MANUFACTURER PC | 04-101403 | PC 362 | 10-16-1997 | 24 x 40 | 50 + 20# | MSI \ |
| \$7KP 230 | 04-117378 | PC 243 | 04-26-2018 | 24 X 40 | 50+20# | AMS |
| STKP 230 | 04-117378 | PC 230 | 11-18-2010 | 24 X 40 | 50+20# | AMS |
| 011ti 200 | 0.111010 | . 0 200 | 11 10 2010 | 217010 | 00 2011 | 7 11110 |
| BUILDING DAT | A - 36 x 40 RI | GID FRAME | | | | |
| STKP# | DSA# | PC-BASE | DATE | SIZE | FLOOR LOAD | BLDG MFG |
| | | | | | | |
| STKP 32 | 66319 | PC 266 | 11-12-1996 | 36 x 40 | 50+20# | MODTECH |
| STKP 34 | 67332 | PC 266 | 03-11-1997 | 36 x 40 | 50+20# | MODTECH |
| STKP 45 | 04-101618 | PC 101268 | 10-07-1999 | 36 x 40 | 50+20# | MODTECH |
| STKP 51 | 04-113121 | PC 04-102015 | 09-12-2013 | 36 x 40 | 50+20# | MODTECH |
| STKP 57 | 04-103001 | PC 101268 | 03-01-2001 | 36 x 40 | 50# | MODTECH |
| STKP 65 | 04-104441 | PC 101268 | 07-11-2002 | 36 x 40 | 50+20# | MODTECH |
| STKP 71 | 04-106-419 | PC 194801 | 07-29-2004 | 36 x 40 | 50+20# | MODTECH |
| STKP 73 | 04-108585 | PC 101268 | 03-01-2007 | 36 x 40 | 100# | MODTECH |
| STKP 85 | 04-111101 | PC 79 | 06-03-2010 | 36 x 40 | 50+20# | MODTECH |
| STKP 104 | 04-113588 | A-58118 | 05-01-2014 | 36 x 40 | 50+20# | MODTECH |
| STKP 104 | 57194 | PC 79 | 11-08-1991 | | | |
| OTRE OW | <i>31</i> 194 | 1018 | 1-00-1991 | 36 x 40 | 70# | MODTECH |
| BUILDING DAT | A - 48 x 40 RIC | GID FRAME | | | | |
| STKP# | DSA# | PC-BASE | DATE | SKZE | FLOOR LOAD | BLDG MFG |
| | | | | = | | |
| STKP 17 | 63289 | PC 243 | 05-04-1995 | 48 x 40 | 50+20# | MODTECH |
| | | DO 000 | 40.00 100- | 40 40 | TO.00" | |
| STKP 41 | 04-100797 | PC 266 | 10-22-1998 | 48 x 40 | 50+20# | MODTECH |
| STKP 46 STKP 63 | | PC 266 PC 101268 PC 101268 | 10-22-1998 10-07-1999 04-18-2002 | 48 x 40 48 x 40 48 x 40 | 50+20# 50+20# 50+20# | MODTECH MODTECH MODTECH |

04-113418 PC 79/57194 01-30-2014 48 x 40 50+20# 04-113544 PC 04-101268 04-10-2014 48 x 40 50+20# 57194 PC 79 11-08-1991 48 x 40 100#

| STKP# | DSA# | PC-BASE | <u>DATE</u> | SIZE | FLOOR L | OAD | BLDG M | <u>FG</u> | |
|----------------------|------------------------|------------------------|--------------------------|--------------|----------|-----------------|------------------|--------------------------------|----------|
| STKP 127 | 04-113966 | 04-112072 | 12/04/2014 | 36 X 40 | 50+15 | # | SILVER | CREEK INDUSTRIES | |
| STKP 132 | 04-113968 | 04-112072 | 12/17/2014 | 36 X 40 | 1Q0# | | SILVER | CREEK INDUSTRIES | |
| STKP 210 | 04-116846 | 04-114277 | 04/29/2015 | | 50+15 | # E | SILVER | CREEK INDUSTRIES | |
| STKP 74 | 04-108803 | 04-107557 | 06/07/2007 | 36 X 40 | 50+20 | # | SILVER | CREEK INDUSTRIES | |
| BUILDING DAT | TA 48 X 40 RIG | GJD FRAME | | | | | $\overline{}$ | | |
| STKP# | DSA# | PC-BASE | DATE | SIZE | FLOOR L | OAD | BLDGM | F G | |
| STKP 129 | 04-113967 | 04-112072 | 12/04/2014 | 48 X 40 | 150# | | | CREEK INDUSTRIES | |
| STKP 247 / | 04-118260 | 04-118260 | 03/14/2019 | 48 X 40 | 50+15 | | | CREEK INDUSTRIES | |
| STKP 248 | 04-118261 | 04-114277 | 03/14/2019 | 48 X 40 | 50+15 | | | CREEK INDUSTRIES | |
| S7KP 133 | 04-113994 | 04-113994 | 03/24/2015 | 48 X 40 | 50+15 | | | | |
| 91KF 133 | 04-113994 | 04-113994 | 03/24/2013 | 40 / 40 | 30 1 131 | т | SILVER | CREEK INDUSTRIES | |
| BUILDING DAT | ΓA 24 x 40 to | 120 x 40 RIGID | FRAME | | | | | | |
| STKP# | DSA# | PC-BASE | DATE | SIZ | 7F | FI OOF | R LOAD | BLDG MFG | |
| | | | | | | - | | | |
| STKP 164 | 04-115748 | 04-114654 | 12/08/2016 | 24 x | | | 15# | CLASS LEASING CLASS LEASING | |
| STKP 170 | 04-115884 | 04-114654 | 01/12/2017 | 24 x | | | 15# | CLASS LEASING | |
| STKP 171 | 04-115885 | 04-114654 04-114654 | 01/12/2017 | 36 x | | | 15# 15# | CLASS LEASING | |
| STKP 173 STKP 184 | 04-116171 | 04-114654 | 04/21/2017 | 48 x 48 x | | | 15# | | |
| | 04-115748 | 04-114654 | 02/02/2017 04/27/2017 | 24 x | | | 15# | CLASS LEASING | |
| STKP 185 | 04-116187 | 04-114654 | | 24 x 48 x | | _ | 15# | CLASS LEASING CLASS LEASING | |
| STKP 186 | 04-116209 04-116210 | 04-114654 | 95/04/2017 05/04/2017 | 36 x | | | 15# | | |
| STKP 187 STKP 203 | 04-116210 | 04-114654 | _ \ | 24 x | | | 15# | CLASS LEASING CLASS LEASING | |
| STKP 203 STKP 205 | | 04-114654 | 08/24/2017 08/14/2017 | | | | 15# | | |
| STKP 205 | 04-116706 | 04-114654 | 01/18/2018 | 36 x 36 x | | | 15# | CLASS LEASING | |
| STKP 211 | 04-116778 04-116891 | 04-114654 | 12/07/2017 | 48 x | | | 15# | CLASS LEASING CLASS LEASING | |
| STKP 211 | 04-116892 | 04-114654 | 12/07/2017 | 48 x | | | 15# | CLASS LEASING | |
| STKP 233 | 04-117414 | 04-114654 | 05/04/2018 | 24 x | | _ | 15# | CLASS LEASING | |
| STKP 234 | 04-117414 | 04-114654 | 05/04/2018 | 24 x | | | 15# | CLASS LEASING | |
| STKP 235 | 04-117432 | 04-114654 | 05/10/2018 | 24 x | | | 15# | CLASS LEASING | |
| STKP 238 | 04-117581 | 04-114654 | 06/21/2018 | 48 x | | | 15# | CLASS LEASING | |
| STKP 239 | 04-117598 | 04-114654 | 07/05/2018 | 24 x | | | 15# | CLASS LEASING | |
| STKP 240 | 04-117612 | 04-114654 | 07/12/2018 | 24 x | | | 15# | CLASS LEASING | |
| STKP 241 | 04-117724 | 04-114654 | 08/16/2018 | 24 x | | | 15# | CLASS LEASING | |
| STKP 243 | 04-118202 | 04-116504 | 02/21/2019 | 24 x | | | 15# | CLASS LEASING | |
| STKP 244 | 04-118239 | 04-116504 | 03/07/2019 | 24 x | | | 15# | CLASS LEASING | |
| STKP 249 | 04-118296 | 04-116505 | 03/21/2019 | 24 x | | | 15# | CLASS LEASING | |
| STKP 258 | 04-118533 | 04-116504 | 06/13/2019 | 24 x | | | 15# | CLASS LEASING | |
| STKP 259 | 04-118534 | 04-116504 | 06/13/2019 | 24 x | | | 15# | CLASS LEASING | |
| STKP 261 | 04-118565 | 04-116504 | 08/08/2019 | 48 x | | | 15# | CLASS LEASING | |
| STKP 262 | 04-118888 | 04-116505 | 10/24/2019 | 36 x | | | 15# | CLASS LEASING | |
| STKP 263 | 04-118918 | 04-116504 | 11/07/2019 | 36 x | | 50+ | 15# | CLASS LEASING | |
| STKP 265 | 04-118969 | 04-116504 | 11/21/2019 | 24 x | | 50+ | 15# | CLASS LEASING | |
| STKP 269 | 04-119067 | 04-116504 | 01/30/2020 | بر 24 | 40 | 50+ | 15# | CLASS LEASING | G |
| STKP 277 | 04-119126 | 04-116504 | 02/27/2020 | 24 x | 40 | 50+ | 15# | CLASS LEASING | G |
| STKP 279 | 04-119122 | 04-116504 | 02/27/2020 | 24 x | 40 | 50+ | 15# | CLASS LEASING | G |
| STKP 281 | 04-119153 | 04-116504 | 03/05/2020 | 24 x | 40 | 50+ | 15# | CLASS LEASING | |
| STKP 282 | 04-119154 | 04-116504 | 03/05/2020 | 24 x | 40 | 50 + | 15 #_ | CLASS LEASING | 3 |
| STKP 285 | 04-119338 | 04-116504 | 05/20/2020 | 48 x | 40 | 50+ | 15# | CLASS LEASING | G |
| STKP 287 | 04-119352 | 04-116504 | 08/11/2020 | 48 x | 40 | 50+ | 15# | GLASS LEASING | |
| STKP 288 | 04- 119372 | 04-116504 | 06/16/2020 | 24 x | 40 | 50+ | 15# | CLASS LEASING | |
| STKP 293 | 04-119993 | 04-116504 | 02/24/2021 | 36 x | 40 | 50+ | 15# | CLASS LEASING | S |
| STKP 294 | 04-120383 | 04-116504 | 07/21/2021 | 48 x | 40 | 50+ | 15# | CLASS LEASING | \sim |
| | | | | | | | | | |

SHEET INDEX

SHT NO. SHEET TITLE

| C-1.0 | COVER SHEET |
|-------|---|
| | |
| C-4.1 | DSA 103 FORMS |
| C-1.2 | NOTES |
| C-2.0 | 24 X 40 - 50 AND/OR 50 + 20 PSF BGC RELOCATION FOUL |
| | |

| C-4.1_ | DSA 103 FORMS |
|--------|---|
| C-1.2 | NOTES |
| C-2.0 | 24 X 40 - 50 AND/OR 50 + 20 PSF BGC RELOCATION FOUNDATION PLANS |
| C-3.0 | 36 X 40 - 50 AND/OR 50 + 20 PSF BGC RELOCATION FOUNDATION PLANS |
| C-4.0 | 36 X 40 - 100 PSF-BGC RELOCATION FOUNDATION PLANS |
| C-5.0 | 48 X 40 - 50 AND/OR 50 + 20 PSF BGC RELOCATION FOUNDATION PLANS |
| C-6.0 | 100 PSF BGC RELOCATION FOUNDATION PLANS |
| C-7.0 | DETAILS AND NOTES |
| C-8.0 | 24x40 TO 48x40 UP TO 100 PSF FOUNDATIONS PLANS (SILVER CREEK BUILDINGS ONLY) |
| C-8.1 | 24x40 TO 48x40 UP TO 100 PSF FOUNDATIONS DETAILS (SILVER CREEK BUILDINGS ONLY) |
| C-9.0 | 24x40 TO 48x40 UP TO 100 PSF FOUNDATIONS PLANS (CLASS LEASING BUILDINGS ONLY) |
| C-9:1 | 24x40 TO 48x40 UP TO 100 PSF FOUNDATIONS DETAILS (CLASS LEASING BUILDINGS ONLY) |
| F-1.0 | 24 X 40 - 50 AND/OR 50 + 20 RELOCATION FOUNDATION PLANS |
| F-2.0 | 36 X 40 - 50 AND/OR 50 + 20 PSF RELOCATION FOUNDATION PLANS |
| F-3.0 | 36 X 40 - 100 PSF RELOCATION FOUNDATION PLAN |
| F-4.0 | 48 X 40 - 50 PSF RELOCATION FOUNDATION PLAN |
| F-5.0 | 48 X 40 - 50 + 20 PSF RELOCATION FOUNDATION PLAN |
| F-6.0 | 48 X 40 - 100 PSF RELOCATION FOUNDATION PLAN |
| F-7.0 | DETAILS AND NOTES |

ADJACENT BUILDINGS: ONLY THOSE BUILDINGS MANUFACTURED BY

STOCKPILE CLASSROOM

RELOCATION NOTE:

DESIGN DATA:

SEISMIC DESIGN DATA:

Seismic Design Category

Ss = 2.25 mapped value max

RISK CATEGORY = II

 $S_{e} = 2.25 \text{ MAX}$

RISK CATEGORY = II

 $S_1 = 1.389$

 $S_1 = 1.389$

Basic Seismic-Force-Resisting System

Design Base Shear: 24x40 BUILDING

I: = 1.0 Cs = 0.36 R: = 3.5

ANALYSIS PROCEDURE USED

ANALYSIS PROCEDURE USED

ALLOWABLE SOIL BEARING PRESSURE:

@ WOOD SILL FOUNDATIONS = 1000 PSF CONCRETE FOUNDATIONS = 1500 PSF

BUILDING CODES = 2018 IBC AND CBC 2019

36x40 BUILDING

48x40 BUILDING

FLOOR LIVE LOAD = 50 PSF, 50+20 PSF PARTITIONS, 100 PSF

ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA WIND SPEED = 120 MPH (V) (3SECOND GUST), K zt = 1.0 SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION

S_{Ds} = 1.80 (Site Documentation Justifying SDS Shall Be Submitted To DSA Prior to approval)

Basic Seismic-Force-Resisting System = WOOD PANEL SHEAR WALLS

FLOOD DESIGN DATA: Project is not located in a flood zone.

Design Base Shear: 24x40 BUILDING = 8286 # (Roof, Floor, Walls & Partitions)

I: = 1.0 Cs = 0.194 (USE 0.36 FOR BUILDING TO FOUNDATION ANCHORAGE AND DESIGN BASE SHEAR FOR FOUNDATION ANCHORAGE)

S_{Ds} = 1.8 (Site Documentation Justifying SDS Shall Be Submitted To DSA Prior to approval)

= STEEL MOMENT FRAME

= EQUIVALENT LATERAL FORCE

= 8286 # (Roof, Floor, Walls & Partitions)

= 12430 # (Roof, Floor, Walls & Partitions)

=16570 # (Roof, Floor, Walls & Partitions)

= E (per CBC Section 1613A.5.6)

SHEAR WALL PC'S

36x40 BUILDING = 12430 # (Roof, Floor, Walls & Partitions)

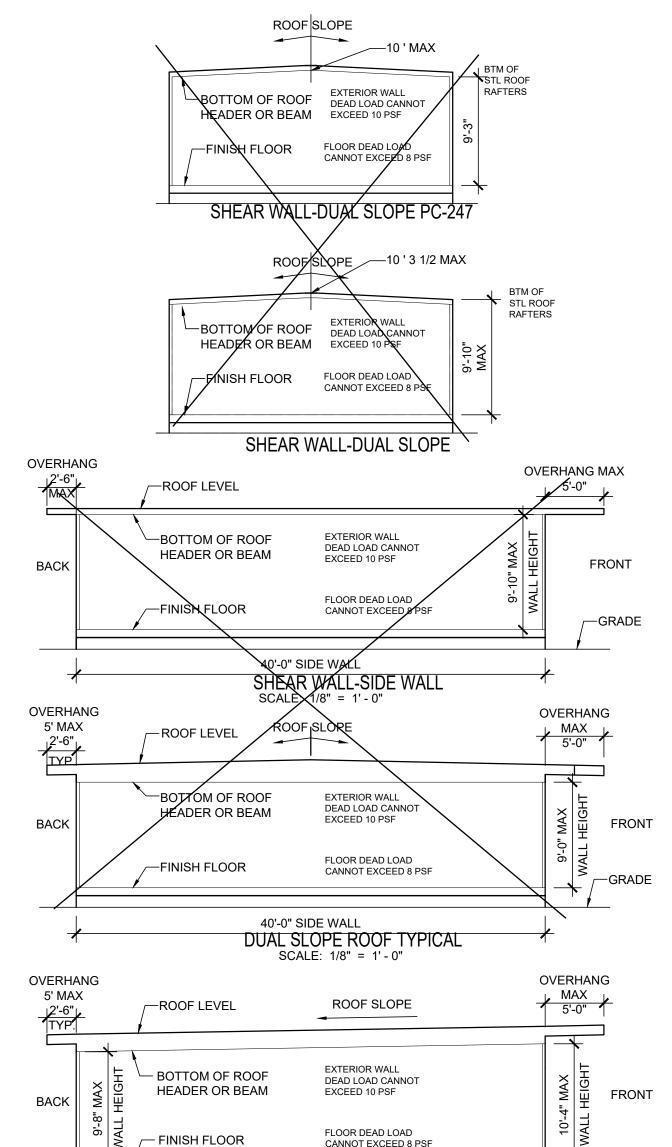
48x40 BUILDING =16570 # (Roof, Floor, Walls & Partitions)

R: = 6.5 SITE CLASS =D p = 1.0

S_{D1} = 1.389

= EQUIVALENT LATERAL FORCE = E (per CBC Section 1613A.5.6)

> FOR ALL RELOCATION PROJECTS, AOR IS RESPONSIBLE TO COLLECT AND PRESENT ALL IN-PLANT PAPERWORK"



TYPICAL ELEVATIONS ARE SHOWN TO CLARIFY FOUNDATION PC LIMITATIONS ONLY. DOCUMENTATION SHALL BE PROVIDED BY ENGINEER IN GENERAL RESPONSIBLE CHARGE TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.

MONO SLOPE ROOI

THE SAME COMPANY MAY BE PLACED ADJACENT TO EACH OTHER

RELOCATION FOUNDATION PLAN & DETAILS

-GRADE

LIMITATIONS FOUNDATION PC ONLY:

LISTED ON THIS DRAWINGS.

FOUNDATION ONLY PC IS DESIGNED TO SUPPORT THE

1. DSA APPROVED STOCKPILE BUILDINGS 2. ROOF OVERHANGS OF 5'-0" MAXIMUM

3. MONO SLOPE OR DUAL SLOPE BUILDINGS

4. WALL DEAD LOAD OF 10 PSF (NO STUCCO)

5. FLOOR DEAD LOAD OF 8 PSF

UNITS SHALL BE PROVIDED.

SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS AS

THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDING.

WALL HEIGHT: 10'-4" MAXIMUM ON MONO SLOPE BUILDING.

(HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO

BOTTOM OF STEEL ROOF STRUCTURE: BEAMS OR ROOF HEADERS) WALL HEIGHT: 9'-10" MAXIMUM ON SHEAR WALL - DUAL SLOPE BUILDING

6. AT THE TIME OF APPLICATION, DOCUMENTS SHALL BE PROVIDED SHOWING THE CERTIFICATION OF THE STOCKPILE, OR INPLANT WELDING REPORTS FOR THE INDIVIDUAL

8. MULTIPLE BUILDINGS CAN BE LOCATED ADJACENT TO EACH OTHER WITH A MINIMUM

DOORWAYS ADDED BETWEEN THESE ADJACENT BUILDINGS, THE TOTAL FLOOR AREA OF BOTH BUILDINGS TOGETHER CANNOT EXCEED 2160sf FOR USING WOOD FOUNDATION OR FOR

SEPARATION AS SHOWN ON THE FOUNDATION PLANS. HOWEVER, IF THERE ARE ANY

7.BELOW GRADE FOUNDATIONS NOT PERMITTED FOR SHEARWALL BUILDINGS.

USING ANY FOUNDATION THAT IS BELOW GRADE (DETAILS 1A AND 1B ON C7.0).

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 6/29/2023

DIV. OF THE STATE ARCHITEC APP: 04-120029 PC SS 1 FLS 1 ACS 1 CG 1

PRE-CHECK (PC) DOCUMENT Code: 2019 CBC A Separate project application for construction is required.

Date Signed: July 5, 2022

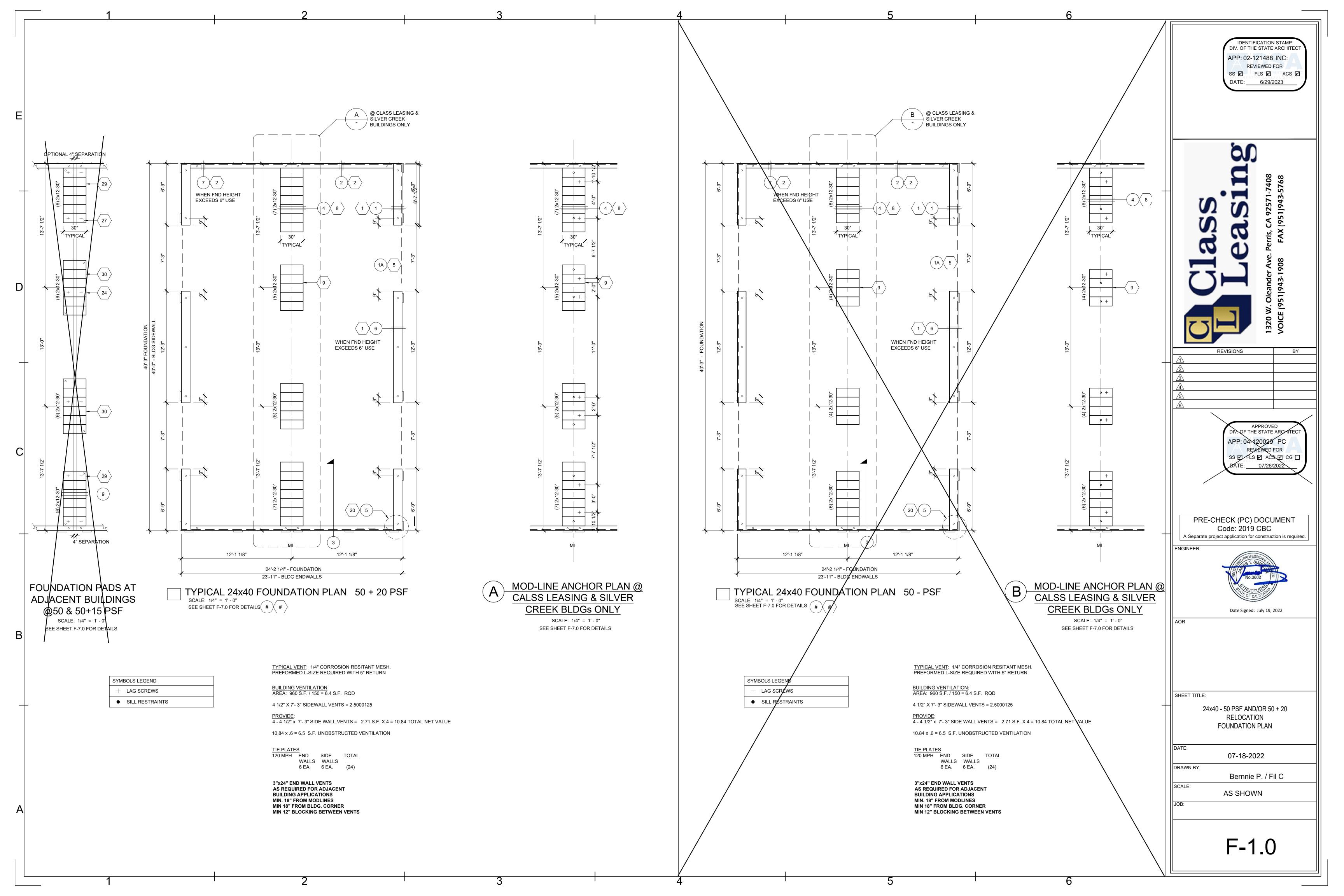
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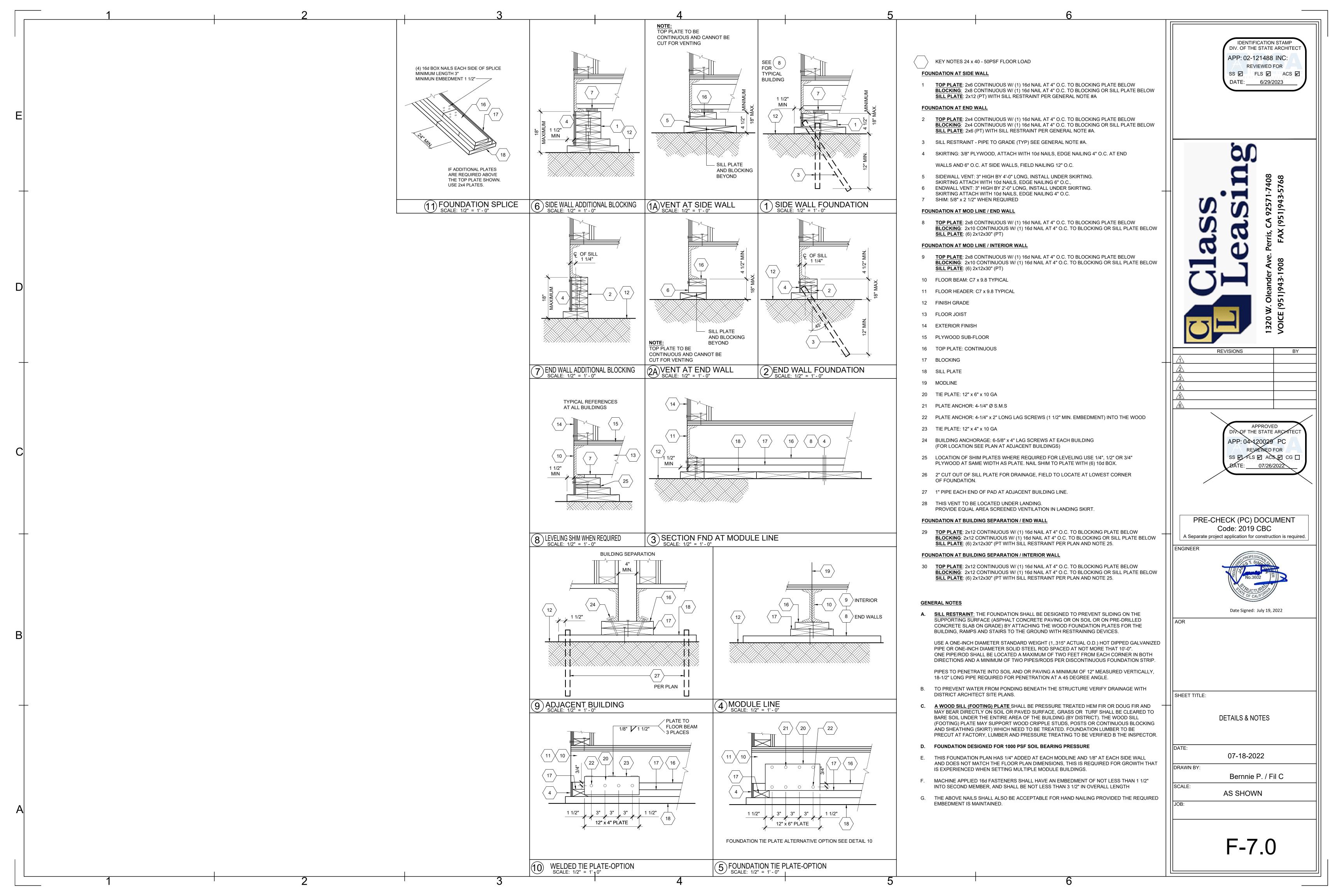
DRAWN BY:

COVER SHEET

06-30-2022

Bernnie P. / Fil C AS SHOWN





(2018 UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R. 2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

2016 ASME A17.1 A17.1A/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2 CH 35) NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004

*CALIFORNIA ADMINISTRATIVE CODE, PART1, CHAPTER 10, ADMINISTRATIVE REGULATIONS FOR THE CALIFORNIA ENERGY COMMISSION (CEC)

GENERAL NOTES

ASME A17.1 BY ADOPTION

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATION SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT(CCD) BY DSA AS REQUIRED BY SECTION 4-338 PART1, TITLE 24, CCR

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT(OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. DUTIES OF INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1 TITLE 24, CCR

COMPLETE ACCESS IS A DIVISION OF INTEGRATED STAIR SYSTEMS INC. WITH CORPORATE OFFICES LOCATED IN 1345 RYAN RD, BUCKLEY, WA 98321, (360)

DESIGN LOADS

SEE PC COVER

<u>MATERIALS</u>

SQUARE STEEL TUBE ASTM A513 GR. C Fy= 33 KSI (345 RAMP OVERHANG POST ASTM A500 B Fy= 46 KSI

*ALL STEEL TO BE COATED WITH GALVANIZED RUST INHIBITING COATING

WOOD FOUNDATION SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESSURE TREATED HEM-FIR #2 AND IS ALLOWED TO REST DIRECTLY ON SOIL OR PAVEMENT.

WELDING SHALL BE IN ACCORDANCE WITH AWS D.1.1-10 USING E70XX ELECTRODES FOR STEEL AND AWS D1.2 AND A5.10 FOR ALUMINUM, USING ALMIGWELD ER4043

BOLTS, SCREWS AND NAILS

STEEL TO STEEL CONNECTIONS: ASTM A307 CARBON STEEL BOLTS SHALL BE GRADE 5 ZINC PLATED, HOT DIPPED GALVANIZED TO ASTM A153 OR ELECTROGALVANIZED TO ASTM B63.3. FASTENER SHALL BE LUBRICATED TO ELIMINATE GALLING. ALL STEEL MEMBERS IN CONTACT WITH ALUMINIUM SHALL BE ZINC COATED TO ELIMINATE GALVANIC REACTION.

STEEL TO STEEL & WOOD CONNECTIONS: ANSI/ASME STEEL LAG SCREWS, STEEL STANDARD WOOD SCREWS, WOOD TO WOOD CONNECTION: ASTM STANDARD COMMOM STEEL NAIL.

ITW RED HEAD CONCRETE WEDGE ANCHORS SHALL BE INSTALLED PER RECOMMENDATION SHOWN IN ESR-2427

HANDRAIL NOTES:

MANEUVERING CLEARANCE ON EXTERIOR PULL SIDE OF DOOR SHALL BE 42" TYPICAL (610MM) MINIMUM WITH 60" (1524MM) MINIMUM LANDING IN FRONT OF DOOR.

HANDRAILS SHALL BE CONTINUOUS ALONG BOTH SIDES. HANDRAILS SHALL BE PARALLEL WITH THE SURFACE AND PROJECT 12" (301MM) ON BEYOND TOP OF RISER AND 12" (301MM) PLUS 1 TREAD AT BOTTOM RISER. AT RAMPS WHERE HANDRAIL ARE NOT CONTINUOUS BETWEEN RUNS THE HANDRAIL SHALL EXTEND HORIZONTALLY ABOVE THE LANDING 12" (301MM) MINIMUM BEYOND THE BEGINNING AND ENDING OF RAMPS

TOP OF HANDRAILS SHALL BE MOUNTED BETWEEN 34" (864MM) AND 38" (965MM) ABOVE THE WALKING SURFACE, ONE CONSISTENT HEIGHT, BEIGINNING

4) CLEARANCE BETWEEN HANDRAIL AND WALL SHALL BE A MINIMUM OF

GUARDS ARE TO BE DESIGNED FOR A CONCENTRATED LOAD OF 200 LBF (0.9 kN) APPLIED @ ANY POINT AND ANY DIRECTION ALONG THE RAIL OR A UNIFORM LOAD OF 50 PLF (0.7 kN/m) APPLIED HORIZONTALLY @ HANDRAIL

HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF 1-1/4" (31.75MM) MINIMUM AND NOT GREATER THAN 2" (51MM) MAXIMUM. 11B-505.7.2 NON-CIRCULAR CROSS SECTIONS. HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES (102 MM) MINIMUM AND 61/4 INCHES (159 MM) MAXIMUM, AND A CROSS-SECTION DIMENSION OF 2 1/4 INCHES (57 MM) MAXIMUM.

GRIPPING SURFACE SHALL BE CONTINUOUS ALONG THIER LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES.

HANDRAILS SHALL NOT ROTATE IN THEIR FITTINGS.

ENDS OF HANDRAILS SHALL RETURN SMOOTHLY TO FLOOR, WALL OR

RAMP NOTES

RAMPS SHALL CONFORM TO CBC 2019 TITLE 24 PART 2, CHAPTER 11B, 11B-405

RAMP SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8% SLOPE) FOR A MAXIMUM RISE OF 30" (762MM)

THE MAXIMUM VERTICAL RISE OF RAMP RUN SHALL BE 30" (762MM)

4) RAMPS SHALL HAVE LANDING AT BOTTOM AND TOP OF EACH RAMP RUN

5) THE SLOPE ON LANDINGS SHALL NOT BE STEEPER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION

6) LANDING SHALL HAVE A WIDTH AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING AND A MINIMUM LENGTH OF 60" IN THE DIRECTION OF TRAVEL @ TOP LANDING - 72" MIN @ BOT LANDING

7) CHANGES IN DIRECTION OF TRAVEL SHALL HAVE A LANDING 60" WIDE BY 72" LONG (1524MM x 1829MM) MINIMUM, WITH WITH THE LENGTH BEING IN THE DIRCTION OF DOWNWARD TRAVEL AND CHANGES IN DIRECTION

8) MANEUVERING CLEARANCE ON LANDING ADJACENT TO DOORWAYS SHALL BE NO LESS THAN 42" WITH DOOR IN ANY POSITION AND SHALL NOT BE REDUCED BY MORE THAN 3" WHEN DOOR IS FULLY OPENED

9) WALKING SURFACE SHALL BE ROUGHED OR SHALL BE OF SLIP RESISTANT DIAMOND PLATE ALUMINUM AND ALL LANDINGS TO BE DESIGNED TO NOT RETAIN STANDING WATER - 2.083 MAX SLOPE ANY DIRECTION

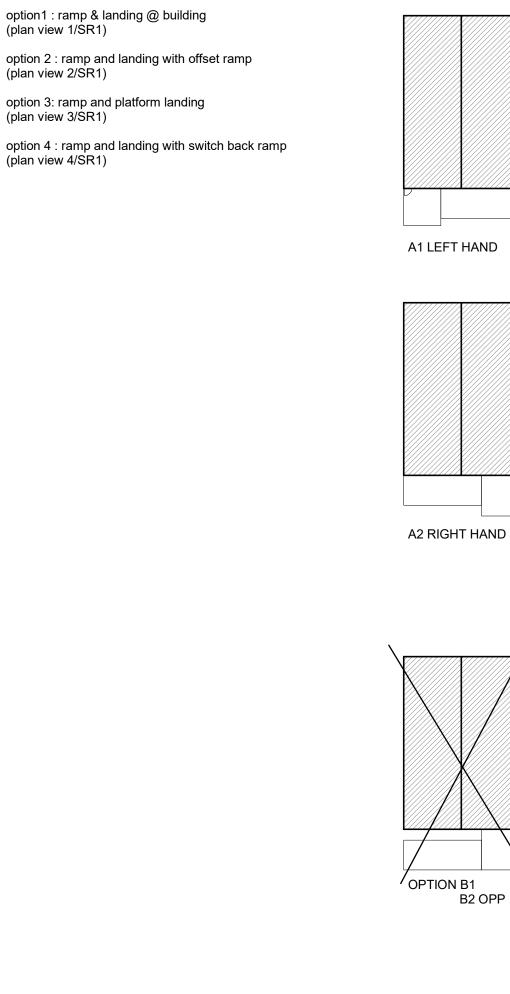
option 2 : ramp and landing with offset ramp (plan view 2/SR1)

option 3: ramp and platform landing (plan view 3/SR1)

Ramp Option Schedule:

(plan view 1/SR1)

option 4 : ramp and landing with switch back ramp (plan view 4/SR1)



2 Ramps Options w/ Different Building Sizes

1/2" = 1'-0" Standard Ramp 24x40

B2 OPP

OPTION F

C\1 LEFT HAND C2 OPP. RIGHT HAND

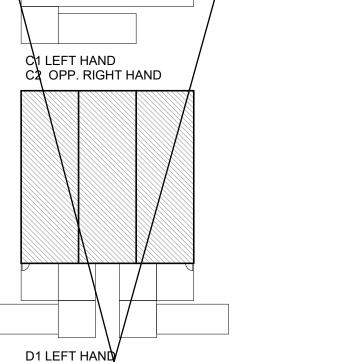
D2 RIGHT HAN

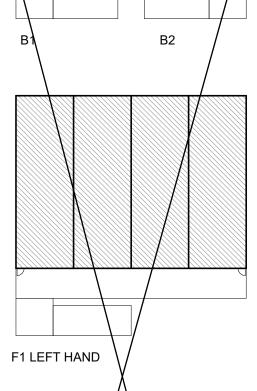
1 RAMP LEFT

E2 RAMP RIGHT

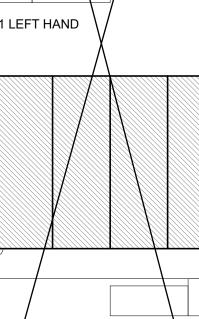
E3 RAMP LEFT & RIGHT

36x40

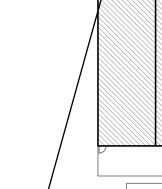




48x40



F2 RIGHT NAND



G1 RAMP LEFT **G2 RAMP RIGHT** G3 RAMP LEFT & RIGHT

1' - 0" 1' - 0" HANDRAIL LEVEL LEVEL 3' - 6" 1:12 MAX SLOPE DN LEVEL LANDING DOOR (REF) SEE 1/SR1 FOR DIMENSIONS RAMP TRANSITION

G4 RAMP CENTER

SR4 SEE 1/SR2 FOR DIMENSIONS ☐ FLUSH TRANSITION RAMP OPTION □ ZERO TRANSITION RAMP OPTION

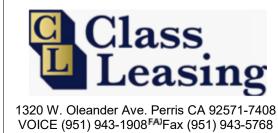
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-121488 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 6/29/2023

PROJECT SPECIFIC STATE AGENCY APPROVAL

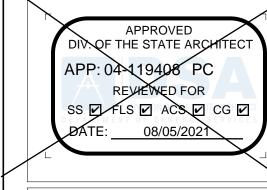




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ORIGINAL PC STATE AGENCY APPROVAL



Revision Schedule Description

PRE-CHECK (PC) DOCUMENT

A separate project application for construction is required PROJECT TITLE

RAMPS PC

Code: 2019 CBC

Module Plan and

PROJECT NUMBER 20093 DRAWN BY CHECKED BY

DATE 6/07/2021

GRADE

SRC

SHEET OF

1 1/2" = 1'-0"

