

**American Modular Systems** STOCKPILE

(1) 60x40 & (1) 72x40 BUILDING

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SERIAL NUMBERS 601'x40' BUILDING 17-426-601 A,8, C, D, E 12'x40' BUILDING 17-424-002 A,8,0,0,E,F

■ E1.0A-M 60'x40' & 72'x40' ELECTRICAL PLAN

☑ E1.0B-M 60'x40' & 72'x40' ELECTRICAL PLAN

PLUMBING DETAILS

PLUMBING ISOMETRIC

RR OPTION ELECTRICAL PLAN

ELECTRICAL NOTES & DETAILS

RESTROOM OPTION FLOOR PLANS

## 2:12 PITCHED ROOF

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PRE-CHECKED SET NAME

24' x 40' THRU 120' x 40' 2:12 PITCHED ROOF

SITE SPECIFIC PROJECT NAME

STOCKPILE (1) 60x40 BUILDING

(1) 72x40 BUILDING

SHEET TITLE

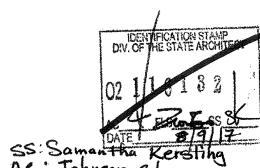
**COVER SHEET** 

MANUFACTURER PROFESSIONAL OF REGORD ON PC

AGENCY TRACKING NO. 63321-241

FILE NO. 15-6 IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES OCT 2 5 2017 ==

PROJECT SPECIFIC STATE AGENCY APPROVAL



Ac: Johnson Chen DRIGINAL PC STATE AGENCY APPROVAL FLS: Zhengchang Vona

BASED ON PC# 02-113939 PRE-CHECK (PC) DOCUMENT - CODE: 2013 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

AS NOTED 04/27/17 SHEET NUMBER

**BUILDING DATA** 

	OCCUPANCY	E OR <del>B (CLASSROOM USE FOR COLLEGE)</del>
	TYPE OF CONSTRUCTION	VB
	WIND LOAD ALTERNATE METHOD PER CBC 1609A.6.2	V= 110 MPH ULT. WIND SPEED EXPOSURE = C $K_{zr} = 1.00$
	FLOOR LIVE LOAD	50 LBS/SQ: FT., 50 LBS.+ 15 LBS./SQ. FT., 100 LBS/SQ. FT. & 150 LBS./SQ. FT. (NON-STORAGE)
	ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
-	FIRE SPRINKLER SYSTEM WEIGHT (PSF)	1.5
	ALLOWABLE SOIL PRESSURE (PSF)	1,500 FOR CONCRETE / 1,000 FOR WOOD
-	FLOOD HAZARD AREA	NO
	BUILDING AREA	5214 SQ FT
	CLIMATE ZONES	1-16
	MODULES	MOMENT-RESISTANT FRAME (SINGLE STORY)
	SYSTEM	12' x 40' MODULES
	FOUNDATION TYPE	CONCRETE /- WOOD-
	SEISMIC	Seismic design category = D (S₁≤0.75)

SEISMIC I = 1.0 $C_d = 3.0$  $\Omega_0 = 3.0$ 

OF THE ACTUAL So VALUE

TYPE OF MODULAR STEEL MOMENT FRAME BUILDING PROJECT
(X - INDICATES TEST OR INSPECTION TO BE DONE)
— INDICATES NOT APPLICABLE)

CONSTRUCTION OF

(diaphragm material-foundation

STOCKPILE

RELOCATION OF

CERTIFIED BUILDING

T=0.231 S R=3.5 (OMF) SITE CLASS D  $F_V = 1.5$ PER CBC 1616A.1.12 (MODIFICATION TO ASCE 7-10, 12.8.1.3), FOR REGULAR STRUCTURES (5) STORIES OR LESS WITH PERIOD OF 0.5s OR

LESS, C. IS CALCULATED USING A S. DESIGN

VALUE EQUAL TO THE GREATER OF 1.5 OR 80%

LOW SEISMIC  $S_S = 1.88 \text{ MAX (SITE)}$ = 1.50 (DESIGN)\*

HIGH SEISMIC  $S_S = 2.850 \text{ MAX (SITE)}$ = 2.280 (DESIGN)\*

 $F_{0} = 1.0$   $S_{DS} = 1.52$ = 0.434 W (DESIGN)\*

 $F_{a} = 1.0$   $S_{DS} = 1.25$ 

 $C_{\rm s} = 0.286 \, | \, \text{W (DESIGN)*}$ 

 $\boxtimes$  SITE SPECIFIC S<sub>S</sub> = 1.132

 $E(S_1 = 0.75 < 1.5)$ 

## APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1: 2014

\*2013 CALIFORNIA ADMINISTRATIVE CODE (CAC) - (PART 1, TITLE 24, CCR)

2013 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2012 INTERNATIONAL BUILDING CODE

2013 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR)

BASED ON THE 2011 NATIONAL ELECTRIC CODE 2013 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR)

BASED ON THE 2012 UNIFORM MECHANICAL CODE 2013 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR)

BASED ON THE 2012 UNIFORM PLUMBING CODE \*2013 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR)

2013 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR)

BASED ON THE 2012 INTERNATIONAL FIRE CODE

\*2013 CALIFORNIA GREEN CODE (CGC) - (PART 11, TITLE 24, CCR)

2013 CALIFORNIA REFERENCED STANDARDS CODE - (PART 12, TITLE 24, CCR)

2013 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE PART 7, TITLE 24, C.C.R

\* EFFECTIVE JULY 1, 2014

LITE COLT IS ACTO		
PARTIAL LIST OF APPLICABLE STANDARDS		
NFPA 13 Automatic Sprinkler Systems NFPA 14 Standpipe Systems NFPA 17 Dry Chemical Extinguishing Systems NFPA 17a Wet Chemical Systems NFPA 20 Stationary Pumps NFPA 24 Private Fire Mains NFPA 72 National Fire Alarm Code (California Amended (Note See UL, Standard 1971 for "Visual Devices") NFPA 253 Critical Radiant Flux of Floor Covering System NFPA 2001 Clean Agent Fire Extinguishing Systems	2013 2013 2013 2013 2013 2013 1) 2013 ms 2006 2012	Edition Edition Edition Edition Edition Edition Edition Edition
ASME 17.1 Elevator Standard	2007	Edition

## **GENERAL NOTES**

- PC BUILDING CLASSIFED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CAN NOT BE REVIEWED OVER THE COUNTER (OTC). PC BUILDING APPROVED ONLY FOR OCCUPANCY E OR B, OR A CATEGORY I & II WITH OCCUPANT LOAD LESS THAN 250.
- PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED
- THIS PLAN DOES NOT INCLUDE 2016 CBC REQUIREMENTS FOR "WILDLAND URBAN INTERFACE" AREAS. ADDITIONAL FIRE RESISTIVE CONSTRUCTION AND SAFE GUARDS WILL BE REQUIRED PER 2016 CBC CHAPTER 7A IF SITED IN A "WILDLAND URBAN INTERFACE" AREA.
- SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED. AUTOMATIC FIRE SPRINKLER REQUIREMENTS ARE NOT INCLUDED IN THIS PC APPROVAL.
- FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION.WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC SPRINKLER DEMAND REQUIREMENTS.
- PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY.
- THIS PC PLAN SHALL NOT BE USED TO HOUSE "ROOMS OR AREAS WITH SPECIAL HAZARDS" SUCH AS LABORATORIES, VOCATIONAL SHOPS AND OTHER SUCH AREAS NOT CLASSIFIED AS GROUP H, LOCATED IN GROUP E OCCUPANCIES
- 9. A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF THE SOLAR PANEL SYSTEM, ITS ANCHORAGE & ROOF SUPPORT STRUCTURE.

TYP 50 PSF CONCRETE FOUNDATION PLAN TYP 50+15 PSF CONCRETE FOUNDATION PLAN TYP 100 PSF CONCRETE FOUNDATION PLAN TYP 150 PSF CONCRETE FOUNDATION PLAN CONCRETE FOUNDATION DETAILS

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**PLUMBING** 

図 P2.0

**⊠** P3.0

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□ S2.3 WOOD FOUNDATION 150 PSF □ S2.4 WOOD FOUNDATION DETAILS □ S3.0 FLOOR FRAMING OSB & FLOOR □ S3.1 FLOOR FRAMING CONCRETE OR VIROC

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**MECHANICAI** 

**ARCHITECTURAL** 

**⊠** N1.0

**⊠** N2.0

**⊠** N3.0

**⊠** EN.1

**⊠** EN.4

**⊠** A2.0

☐ A3.0

□ A5.1

□ A5.2

□ A5.3

☐ A5.4

Ø A5.7

☐ A6.0

☐ A7.0

□ A7.1

**⊠** A7.2

□ A8.0

□ S1.2

STRUCTURAL

TITLE SHEET

SCHEDULES

ROOF PLAN

NOT USED

NOT USED

MISCELLANEOUS DETAILS

STEEL MEMBER PROPERTIES

FIRE RATING DETAILS

GENERAL NOTES

GENERAL NOTES

ACCESSIBILITY AND SIGNAGE

**ENERGY CALCULATIONS** 

**ENERGY CALCULATIONS** 

**ENERGY CALCULATIONS** 

**ENERGY CALCULATIONS** 

**ENERGY CALCULATIONS** 

**ENERGY CALCULATIONS** 

ROOF PLAN DETAILS

INTERIOR ELEVATIONS

MULTIPLE FLOOR PLAN CONFIGURATIONS MULTIPLE FLOOR PLAN CONFIGURATIONS

60'x40' & 72'x40' CLASSROOM BUILDING - FLOOR PLAN

TYPICAL - FLOOR PLAN W/ SOLATUBE OPTION

OPTIONAL RESTROOM FLOOR PLANS

RESTROOM INTERIOR ELEVATIONS

TYPICAL EXTERIOR DURA TEMP ELEVATIONS

TYPICAL EXTERIOR STUCCO ELEVATIONS

TYPICAL ARCHITECTURAL STUCCO DETAILS

TYPICAL EXTERIOR LAP SIDING ELEVATIONS

EXTERIOR SYNTHETIC STUCCO ELEVATIONS

ARCHITECTURAL DETAILS - WOOD STUDS

TYPICAL ARCHITECTURAL LAP SIDING DETAILS

TYPICAL ARCHITECTURAL SYNTHETIC STUCCO DETAILS

TYPICAL ARCHITECTURAL DURA TEMP DETAILS

60'x40' & 72'x40' REFLECTED CEILING/MECHANICAL PLAN TYPICAL MECHANICAL PLAN OPTIONS

**⊠** M1.4 MECHANICAL BUILDING SECTION & CEILING DETAILS MECHANICAL BUILDING DETAILS

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SHEETS WITH SPECIFIC LOW / HIGH

SEISMIC DESIGNATIONS / OPTIONS

TYP 50 PSF CONCRETE FOUNDATION PLAN

150 PSF CONCRETE FOUNDATION PLAN

WOOD FOUNDATION 50 PSF | 15 PSF

WOOD FOUNDATION 100 PSF

MOMENT FRAME ELEVATIONS

MOMENT FRAME DETAILS

FLOOR FRAMING OSD & FLOOR

TYP 50+15 PSF CONCRETE FOUNDATION PLAN

COVER SHEET

S1.5 CONCRETE FOUNDATION DETAILS.

S2.0 WOOD FOUNDATION 50 PSF

Site has been prepared properly pri to fill placement/excavations
Fdn excavations extended to proper X depth and material Test and/or Materials below footing are adequate Χ polication that this PC is part inspect lift thickness, placement and compactation during placement of controlled fill Test Compactation of controlled fill 7a Verify use of required design mix erform Slump and (where required) Air Content Test; determine Temperature of Х 94 40 100 7e Inspect batching of concrete - See next cell below if waived Χ Χ Х See Note 1 for conditions and Х X over Steel Deck - by RBIP 7a Verify use of required design mix Test Reinforcing Steel - See 7b Note 2 for Waiver , Perform Slump and (w required) Air Content To Test concrete -Compress X X 7d Tests 454 450 344 See next cell below if waived (per To be performed by batch plant special inspector and project X ----| Note 1 | inspector. | See Note 1 for conditions and concrete, reinforcing steel and embedded items -Inspect installation of pos-11a installed anchors Х X Х --11b Test post-installed anchors Χ Х die der eile 900 Mile 100 17a Mfr. Certified Mill Test Reports DAY 500-600 \*Material Sizes, Types and Grades comply with requirement Sample and Test all Unidentifie \ X Χ Х Χ 400 PREPAIL Х Structural Steel and Steel Deck MATERIAL VERIFICATION Examine seam welds of structure 17c tubes and pipes Х Х Χ Χ 400 des 400 17d and all details constructed in the Verify stiffener locations, connection tab locations and Х construction details fabricated in Verify weld filler material identification marking pe AWS designation listed on the DSA approved documents and the MPS Verify weld filler materi 19b manufacturer's certificate of EQUIPMENT WELDERS, 19C and equipment Х de de so Х Х Χ 19.1a Inspect proove, multi-pass, and fillet welds > 5/16" Х no do to-Х Х Χ nspect single-pass fillet welds = 19.1b | 5/16" Х Х Χ 47M 507 50A Х Х 19.1c Inspect welding of stairs and failing systems. Note 4 Х X X \ X Х Inspect groove, multi-pass, and 19.2a/ fillet welds > 5/16" Х Х 19.2b inspect 5/16" inspect single-pass fillet welds = est 100 Mb Х x\ | X 60 Min x \| Х Х April de dist 18.2f railing systems. Examine structural steel surface conditions, inspec SPRAY APPLIED application, take samples, measure thickness, and 400 Mile Mar 22a verify compliance of all aspects of application with DSA approved documents Shop Welding - Inspect welding 23a of cold-formed steel Periodic/Special Inspect 23b of steel floor deck welds OTHER - GROUNDING Note 5 26b Electrical grounding Test/Project 26c metal deck with concrete fill) Additional Information for PC designs only, not to be added to DSA-103 in Plant: RBIP or Class 1 Site: Class 4 for Single Story Site: Class 2 for Two-Story Class 2 for By the School District and approved by DSA, A/E of Record a y the Owner and approved by DSA SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY A/E of Record and Structural Engineer Structural Engineer

COST OF THE PROJECT INSPECTOR (Title 24, Part 1, Section 4-333(b) AND TESTING AGENCY (Title 24, Part 1, Section 4-335) NOTES: NOTES APPLY ONLY WHEN TESTS OR INSPECTIONS APPLY TO YOUR PC SUBMITTAL Note 1: Waiver of Batch Plant Inspection (per CBC 1705A3.2 & 1705A3.3):

Verify that Either Condition a or b are noted in the specifications:
a) Concrete Plant compiles fully with ASTM C94, Section 8 and 9, and has a current certification indicating the plant has automatic batching and recording capabilities from the National Ready Mixed Concrete Association b) For One-story buildings, Compressive strength: 3500 psi Specified - 3000 psi Design And Requirements c thru f are met:

c) Certified technician of the test laboratory check first batching at start of work and furnish mix proportions to licensed weighmaster d) Licensed Weighmaster to positively identify materials as to quantity and certify each load by a ticket e) Tickets transmitted to Inspector of Record

Note 2: Test may be waived for One-story buildings if mill certificate is provided Note 3: Required only where the details of the PC specify the use of this type of anchor Note 4: Required only where the details of the PC specify this Welding

AUTHORIZED USE: ALL INFORMATION INCLUDED IN ON THIS FORM DSA-103 SHEET IS FOR THE SOLE PURPOSE OF RECEIVING DSA

APPROVAL AND ISSUANCE OF A PC #. NO OTHER USE IS

AUTHORIZED WITHOUT THE EXPRESS WRITTEN CONSENT OF

**TESTS or INSPECTIONS** 

(as listed on DSA-103)

DESCRIPTION

AMERICAN MODULAR SYSTEMS. INC.

MATERIAL TYPE

CEILING & MECHANICAL NOTES