American Modular Systems

28' x 36' THRU 140' x 36'
GEN7 BUILDINGS (HIGH SEISMIC)

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2023

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) - PART 1, TITLE 24, CCR)
- 2022 CALIFORNIA BUILDING CODE (CBC), VOLUME 1 & 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2021 INTERNATIONAL BUILDING CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2020 NATIONAL ELECTRIC CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM MECHANICAL CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR)
- 2022 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2021 INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR)
- 2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

PARTIAL LIST OF APPLICABLE STANDARDS

• NFPA 13	AUTOMATIC SPRINKLER SYSTEM	2022 EDITION
• NFPA 14	STANDPIPE AND HOSE SYSTEMS	2019 EDITION
• NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
• NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
• NFPA 20	STATIONARY PUMPS	2019 EDITION
• NFPA 24	PRIVATE FIRE MAINS	2019 EDITION
• NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) (NOTE: SEE UL, STANDARD 1971 FOR "VISUAL DEVICES")	2022 EDITION
• NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2019 EDITION
• NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMMENDED)	2018 EDITION

GENERAL NOTES

1. SUBSTITUTION OF PRODUCTS OR PROCESSES WHICH CHANGE THE STRUCTURAL SAFETY, FIRE & LIFE-SAFETY, OR ACCESSIBILTY OF THIS BUILDING SHALL BE SUBMITTED TO THE DSA AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT.
2. PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B". (FOR "B" OCCUPANCY "OFFICE" USE, A MIN OF 12GA FLOOR JOISTS SHALL BE USED - REFER TO TABLE A IN SHEET S3.0).
3. PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
4. PC BUILDINGS LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A.
5. AUTOMATIC SPRINKLER SYSTEMS MIGHT BE REQUIRED FOR SITE SPECIFIC PROJECTS. OPTIONAL AUTOMATIC FIRE SPRINKLER DESIGNS ARE INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN)
6. FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC SPRINKLER DEMAND REQUIREMENTS.
7. PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY.
8. 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 NON-PC DSA APPLICATION NUMBER (SITE-SPECIFIC JOB OR STOCKPILE) IS REQUIRED FOR DESIGN & ROOFTOP INSTALLATION OF SOLAR PANEL SYSTEMS, ITS ANCHORAGE & SUPPORT STRUCTURE ABOVE THE ROOF FRAMING. THE PC ROOF FRAMING IS DESIGNED FOR SOLAR PANELS TO BE INSTALLED FLAT ON THE ROOF. SEE SHEET A2.1A FOR SOLAR-READY ROOF ZONE AND ATTACHMENT LAYOUT DETAILS. PV PANELS MAY BE INSTALLED ON OPTIONAL SUNSHADE OVERHANGS AS PART OF THE APPROVED PC IF INSTALLED BY AMS AS SHOWN ON SHEET A2.0 AND DETAILED ON SHEET E1.3. (NOTE: SEE BUILDING DATA THIS SHEET FOR SOLAR PANEL SYSTEM WEIGHT & WIND LOAD INCLUDED IN THE BUILDING DESIGN FOR ROOFTOP & SUNSHADE INSTALLATIONS). SUBMITTALS FOR ROOFTOP SOLAR SYSTEM AND SOLAR PANELS ATTACHED TO THE SUNSHADES OTHER THAN THE AMS INSTALLATION PER SHEET E1.3 SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER SUBMITTAL. SOLAR PANEL SYSTEMS REQUIRED AS PART OF THE CALIFORNIA ENERGY CODE SHALL BE SUBMITTED WITH THE SITE APPLICATION.
10. IF THE STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND SITE SPECIFIC PROJECT SUBMITTAL IS REQUIRED. IF THE SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.
11. THIS PC BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS. WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A GEOTECHNICAL ENGINEER IS NEEDED TO VALIDATE THAT THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC DRAWINGS ARE STILL APPLICABLE, UNLESS THE BOTTOMS OF FOUNDATIONS ARE RAISED ABOVE THE DESIGN FLOOD ELEVATION. A VALIDATION LETTER FROM THE GEOTECHNICAL ENGINEER SHALL BE PROVIDED EVEN IF THE PRESUMPTIVE LOAD-BEARING VALUES PER CBC SECTION 1806A.2 ARE USED. PROJECT SHALL BE EXEMPT FROM THE VALIDATION LETTER FOR PROJECTS LOCATED IN ZONE D (UNDEFINED) IF THE APPLICANT PROVIDES EVIDENCE FROM THE LOCAL JURISDICTION OR A QUALIFIED DESIGN PROFESSIONAL CONFIRMING THAT THE SITE IS NOT IN A FLOOD HAZARD ZONE. LOCATION OF ELECTRICAL ELEMENTS SHALL CONFORM TO THE AMERICAN SOCIETY OF CIVIL ENGINEERS.THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE 'FOUNDATION CLEARANCES FROM SLOPES' SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS.
12. PC BUILDING SHALL NOT BE PLACED OR BE RELOCATED IN AREAS HAVING A NOISE CONTOUR GREATER THAN OR EQUAL TO 65 CNEL, OR IN AREAS EXPOSED TO A NOISE LEVEL OF 65 dB L_{eq}-1-hr DURING ANY HOUR OF OPERATION WHEN NOISE CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1.
13. AT SITES WITH SNOW, THE SITE APPLICATION REVIEWER SHALL VERIFY THE STRUCTURE TO BE LOCATED AT LEAST 20 FEET AND AT LEAST SIX TIMES THE VERTICAL SEPARATION DISTANCE FROM ANY ADJACENT STRUCTURE. SEE ASCE 7, SECTION 7.7.2. IF THE HORIZONTAL SEPARATION IS LESS THAN 20 FT. OR SIX TIMES THE VERTICAL SEPARATION DISTANCE, SNOW DRIFT ANALYSIS SHALL BE PROVIDED BY THE PC APPLICANT, AND THE PROJECT IS NOT ELIGIBLE FOR OTC SUBMITTAL. VERTICAL SEPARATION DISTANCE IS DEFINED AS THE VERTICAL DISTANCE IN FEET BETWEEN THE EDGE OF A HIGHER ROOF, INCLUDING ANY PARAPET, AND THE EDGE OF A LOWER ADJACENT ROOF EXCLUDING ANY PARAPET. ANY LIVE LOADS OVER 50 PSF AND ANY SNOW LOADS SHALL BE POSTED PER CBC 106.1
14. THIS PC BUILDING IS NOT DESIGNED FOR ICE LOADS.
15. BUILDING SHALL BE MANUFACTURED IN COMPLIANCE WITH CFC CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.
16. SUBMITTAL AND APPROVAL OF A GEOHAZARD REPORT BY THE CALIFORNIA GEOLOGICAL SURVEY (CGS) IS NOT REQUIRED FOR SINGLE-STORY MODULAR BUILDINGS PROVIDED THAT THEY DO NOT EXCEED 4,000 SQUARE FEET IN PLAN AREA AND ARE NOT LOCATED WITHIN STATE OR LOCAL GEOLOGICAL HAZARD ZONES IN ACCORDANCE WITH IR A-4, SECTION 3.2.1.
17. ACCEPTANCE TESTS BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS, MECHANICAL SYSTEMS, FENESTRATION, AND PROCESS EQUIPMENT BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.
18. THIS PC WILL NOT BE PLACED ON ANY CAMPUS IN AND OF THE FOLLOWING LOCATIONS: WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT. WITHIN THE 65 CNEL OR LDN NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD OR INDUSTRIAL SOURCE GUIDEWAY. WHERE EXPOSED TO NOISE LEVELS OF 65 DB LEQ-1-HOUR DURING ANY HOUR OF OPERATION.

© 2023 BY AMERICAN MODULAR SYSTEMS, INC.

ALL OF THE DRAWINGS AND DETAILS CONTAINED IN THIS PACKAGE ARE THE INTELLECTUAL PROPERTY OF AMS AND MAY NOT BE USED FOR CONSTRUCTION OR DESIGN BY ANOTHER ENTITY WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMS.

COPYRIGHT: © 2023 BY AMERICAN MODULAR SYSTEMS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR OTHERWISE, WITHOUT THE PRIOR WRITTEN PERMISSION OF AMERICAN MODULAR SYSTEMS, INC. CERTAIN ELEMENTS CONTAINED IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMERICAN MODULAR SYSTEMS, INC. SHALL REMAIN THE SOLE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMERICAN MODULAR SYSTEM, INC.'S COPYRIGHT OR OTHER RESERVED INTELLECTUAL PROPERTY RIGHTS AND INTERESTS.

BUILDING DATA

OCCUPANCY	E OR *B (CLASSROOM USE FOR COLLEGE)		
TYPE OF CONSTRUCTION	V-B		
NUMBER OF STORIES	1		
WIND LOAD ASCE 7-16 SECTION 28.5.3 SIMPLIFIED PROCEDURE	V = 99 MPH BASIC WIND SPEED EXPOSURE = C INTERNAL PRESSURE COEFF., $GC_{P,I}$ = ±0.18 ROOF ANGLE = 4.8°		RISK CATEGORY II K_{ZT} = 1.00 $\lambda = 1.21$
ICE LOAD	☒ 0 (NO ICE LOADS) SEE GENERAL NOTE #14 THIS SHEET		
SITE SPECIFIC SNOW LOAD	SITE SPECIFIC GROUND SNOW LOAD, P_g= ________ PSF (SEE GENERAL NOTE #13 THIS SHEET IF > 0)		
	SITE SPECIFIC ROOF EXPOSURE FACTOR, C_e (REFERENCE ASCE 7-16 TABLE 7.3-1): ☐ FULLY EXPOSED, C_e = 0.9 ☐ PARTIALLY EXPOSED, C_e = 1.0 ☐ SHELTERED, C_e = 1.2 ☐ NOT APPLICABLE (P_g= 0 PSF)		
	ROOF SLOPE FACTOR, C_S = 1.0	THERMAL FACTOR, C_t = 1.0	IMPORTANCE FACTOR, I_s = 1.00
	SITE SPECIFIC ROOF SNOW LOAD, $P_s = 0.7C_eC_sC_tI_sP_g = 0.7C_eP_g$ = ____________PSF (30 PSF MAX)		
ROOF LIVE OR ROOF SNOW LOAD (MAX PSF)	☐ 20 (NO SNOW) - REDUCIBLE	☐ 30 SNOW*	* AT SITES w/ SNOW (SEE GENERAL NOTE #13 THIS SHEET)
FLOOR LIVE LOAD (PSF)	☐ 50+15	☐ 100	☐ 150 (NON-STORAGE)
DESIGN DEAD LOADS (MAX PSF)	25.0 ROOF & ROOF OVERHANGS - 18.0 WOOD FLR - 50.0 CONC. FLR 18.0 EXTERIOR WALLS - 15.0 FRONT SUNSHADE		
FIRE SI			
SOLAR			
ALLOW			
FLOOD			
RAIN IN			
BUILDI			
CLIMATE ZONE GROUP	☐ A (1,16) ☐ B (2-5)	☐ C (6-13)	☐ D (14,15) (REFER TO EN.1 FOR REQUIREMENTS)
MODULES	LIGHT MODULAR STEEL MOMENT FRAMES PER CBC SECTION 2212A		
SYSTEM	14'x36' MODULES (2 MODULES MINIMUM)		
FOUNDATION TYPE	CONCRETE		

REFER TO SHEET TS-A FOR SITE-SPECIFIC SHEET

SITE-SPECIFIC OPTIONS

FLOOR DECK	☐ 1⅛" PLYWOOD SHTG.	☐ BH-36 DECK 1½" x 18 GA.		
	☐ 3WxH DECK 3" x 18 GA.	☐ 3WxH DECK 3" x16 GA.	☐ 3WxHF DECK 3" x 16/16 GA.	
WALL STUDS	☐ WOOD	☐ LIGHT-GAUGE STEEL		
EXTERIOR WALL FINISH		☐ SYNTHETIC STUCCO	☐ LAP SIDING	☐ STUCCO
HVAC (SEE M1.7A FOR HVAC TYPES)	☐ INTERIOR FLOOR MOUNTED	☐ EXTERIOR WALL MOUNTED	☐ SPLIT SYSTEM	☐ ROOF MOUNTED
ROOFING	☐ 3" x 22 GA. STANDING SEAM	☐ SINGLE-PLY	☐ OTHER	
SOLATUBE ON ROOF	☐ NO	☐ YES		
FIRE SPRINKLERS	☐ NO	☐ YES (SEE GENERAL NOTES #5-#7 THIS SHEET)		
FRONT OVERHANG	☐ NO	☐ YES - LENGTH:	(SEE SHEET S5.4)	
REAR OVERHANG	☐ NO	☐ YES - LENGTH:	(SEE SHEET S5.2)	
FRONT SUN SHADE	☐ NO	☐ YES	(SEE SHEET S5.2)	
FRONT SUNSHADE OVERHANG SOLAR PANELS	☐ NO	☐ YES (SEE GENERAL NOTE #9 THIS SHEET)		
ALTERNATE OPEN CANOPY	☐ NO	☐ YES - LENGTH:	(SEE SHEET S5.4)	
OPTIONAL SIDE WALL CANOPY	☐ NO	☐ YES	(SEE SHEET S5.4A)	
NANA WALLS	☐ NO	☐ YES	(SEE SHEET S8.0A @ WOOD STUDS, SEE SHEET S9.0A @ STEEL STUDS)	
LIQUEFIABLE SOILS	☐ NO	☐ YES (SEE GENERAL NOTE #10 THIS SHEET)		
MAPPED GEOHAZARD ZONE	☐ NO	☐ YES (AS DEFINED BY PC-6 SECTION 1.8)		
GEOHAZARD REPORT	☐ NO	☐ YES		
IF YES	GEOTECHNICAL FIRM:			
	REPORT #:		REPORT DATE:	
GEOTECHNICAL REPORT*	☐ NO	☐ YES	* REQUIRED IF BUILDING AREA > 4,000 SF	
IF YES	GEOTECHNICAL FIRM:			
	REPORT #:		REPORT DATE:	
	DEEPER FOOTINGS REQUIRED?	☐ NO	☐ YES - REQUIRED DEPTH:	
	WIDER FOOTINGS REQUIRED?	☐ NO	☐ YES - REQUIRED WIDTH:	
BELOW GRADE CONCRETE MIX DESIGN	☐ DEFAULT CONCRETE MIX DESIGN FOR BELOW GRADE CONCRETE PER SHEET N1.0A.			
	☐ OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN FOR BELOW GRADE CONCRETE PER SHEET N1.0A.			

☐ THIS SHEET CONTAINS DESIGN OPTION BOXES AVAILABLE FOR SELECTION BASED ON SITE SPECIFIC REQUIREMENTS.

SITE SPECIFIC WIND VALUES

SITE SPECIFIC BASIC WIND SPEED = __________ MPH

WIND EXPOSURE = ______

SITE SPECIFIC SEISMIC VALUES

SITE SPECIFIC S_S = __________

SITE SPECIFIC S_1 = __________

SITE CLASS = __________

(NOTE: SITE SHALL BE SITE CLASS "D" IF NO SOILS REPORT UNLESS THERE IS EVIDENCE OF CLASS "E" OR "F" SOILS PRESENT.)

PC BUILDING SEISMIC DESIGN CRITERIA

I_e = 1.0	T = 0.240s	R = 3.5 (OMF)	RISK CATEGORY II
Ω_O = 3.0	C_d = 3.0	ρ = 1.0	SEISMIC DESIGN CATEGORY: D ($S_1 < 0.75$) E ($S_1 \geq 0.75$)

MAXIMUM STORY DRIFT RATIO = 2.0% (I.E. MAX DRIFT = 0.020 x THE HEIGHT UNDER CONSIDERATION.

LATERAL FORCE RESISTING SYSTEM: LIGHT MODULAR STEEL MOMENT FRAMES PER 2212A

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE.

COMPONENTS AND CLADDING DESIGNED FOR: S_{DS} = 2.00

☐ NO SOILS REPORT - ASSUMED SITE CLASS "D" (DEFAULT)

NOTE: PER THE EXCEPTION OF ASCE 7-16 SECTION 11.4.8-1 (SUPPLEMENT 3), S_{M1} USED TO DETERMINE S_{D1} INCREASED BY 50% THEREFORE A GROUND MOTION HAZARD ANALYIS IS NOT REQUIRED.

S_s = 2.440 MAX (SITE)

F_a= 1.2

S_{DS} = 1.95 MAX (SITE)
1.37 (DESIGN)*

.7

S_{D1} = 1.95 MAX (SITE & DESIGN)** (SEE NOTE ABOVE)

C_S = 0.390 W (DESIGN)*

ITE CLASS "A", "B" OR "D"

11.4.8-1 (SUPPLEMENT 3), S_{M1} USED TO DETERMINE S_{D1}

N HAZARD ANALYSIS IS NOT REQUIRED FOR SITE CLASS "D".

= 1.0

S_{DS} = 1.95 MAX (SITE)
1.37 (DESIGN)*

S_1 = 1.148 MAX (SITE)

F_v= 1.7

S_{D1} = 1.95 MAX (SITE & DESIGN)** (SEE NOTE ABOVE)

C_S = 0.390 W (DESIGN)*

☐ WITH SOILS REPORT - SITE CLASS "C"

S_s = 2.440 MAX (SITE)	F_a= 1.2	S_{DS} = 1.95 MAX (SITE) 1.37 (DESIGN)*	
S_1 = 2.091 MAX (SITE)	F_v= 1.4	S_{D1} = 1.95 MAX (SITE & DESIGN)**	C_S = 0.390 W (DESIGN)*

☐ WITH SOILS REPORT - SITE CLASS "E"

NOTE: PER EXCEPTION 1 OF ASCE 7-16 SECTION 11.4.8-2 (SUPPLEMENT 3), C_S DETERMINED BY EQ. 12.8-2 THEREFORE A GROUND MOTION HAZARD ANALYSIS IS NOT REQUIRED.

S_s = 1.708 MAX (SITE)	F_a= 1.2	S_{DS} = 1.37 MAX (SITE) 1.37 (DESIGN)	
S_1 = 1.025 MAX (SITE)	F_v= 2.0	S_{D1} = 1.37 MAX (SITE & DESIGN)**	C_S = 0.390 W (DESIGN)

SITE CLASS "F" NOT PERMITTED

SEE GENERAL NOTE #10 THIS SHEET

*PER ASCE 7-16, SECTION 12.8.1.3:

THE VALUE OF C_S AND E_V ARE PERMITTED TO BE CALCULATED USING A VALUE OF S_{DS} EQUAL TO 1.0, BUT NOT LESS THAN 70% OF S_{DS} AS DEFINED IN SECTION 11.4.5, PROVIDED THAT ALL OF THE FOLLOWING CRITERIA ARE MET:

1. STRUCTURE DOES NOT HAVE IRREGULARITIES;
2. STRUCTURE DOES NOT EXCEED FIVE (5) STORIES ABOVE THE LOWER OF THE BASE OR GRADE PLANE;
3. STRUCTURE HAS A FUNDAMENTAL PERIOD, T, THAT DOES NOT EXCEED 0.5 SECONDS;
4. STRUCTURE MEETS REQUIREMENTS FOR REDUNDANCY FACTOR, ρ, TO BE TAKEN AS 1.0;
5. SITE SOIL PROPERTIES ARE NOT CLASSIFIED AS SITE CLASS 'E' OR 'F';
6. STRUCTURE IS CLASSIFIED AS RISK CATEGORY II.

**PER CBC SECTION 1613A.2.3:

S_{MS} SHALL NOT BE TAKEN AS LESS THAN S_{M1}

PV SYSTEM REQUIREMENT TABLE

REQUIRED PV SYSTEM SIZE (kW)

CLIMATE ZONE	BUILDING SIZE								
	☐ 28'x36'	☐ 42'x36'	☐ 56'x36'	☐ 70'x36'	☐ 84'x36'	☐ 98'x36'	☐ 112'x36'	☐ 126'x36'	☐ 140'x36'
	APPROXIMATE CONDITIONED FLOOR AREA								
	1008	1512	2016	2520	3024	3520	4032	4536	5040
☐ 1 & 16	NONE	NONE	NONE	NONE	NONE	0.2	NONE	NONE	1.6
☐ 2 - 5	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
☐ 6 - 13	NONE	NONE	NONE	NONE	3.2	3.4	NONE	NONE	2.6
☐ 14, 15	NONE	NONE	2.2	3.2	3.6	8.0	NONE	8.8	6.6

NOTE: FOR SITE-SPECIFIC PROJECT, INDICATE BUILDING SIZE AND PV SYSTEM SIZE. IF PV REQUIRED, SEE NOTE #9 UNDER GENERAL NOTES

SEE SHEET TS2 FOR SHEET INDEX

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

△1
△2
△3
△4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
TS

WUI (WILDLAND -URBAN INTERFACES)
CHAPTER 7A PROJECT SPECIFIC WUI COMPLIANCES

SECTION 704A IGNITION-RESISTANT CONSTRUCTION

SECTION 705A ROOFING - PER N1.0 SECTION 7B METAL ROOFING 2(E) CLASS B FIRE RATED. GUTTER GUARDS w1/8" OPENINGS TO BE INSTALLED ON ALL EXPOSED GUTTERS TO PREVENT DEBRIS BUILD UP.

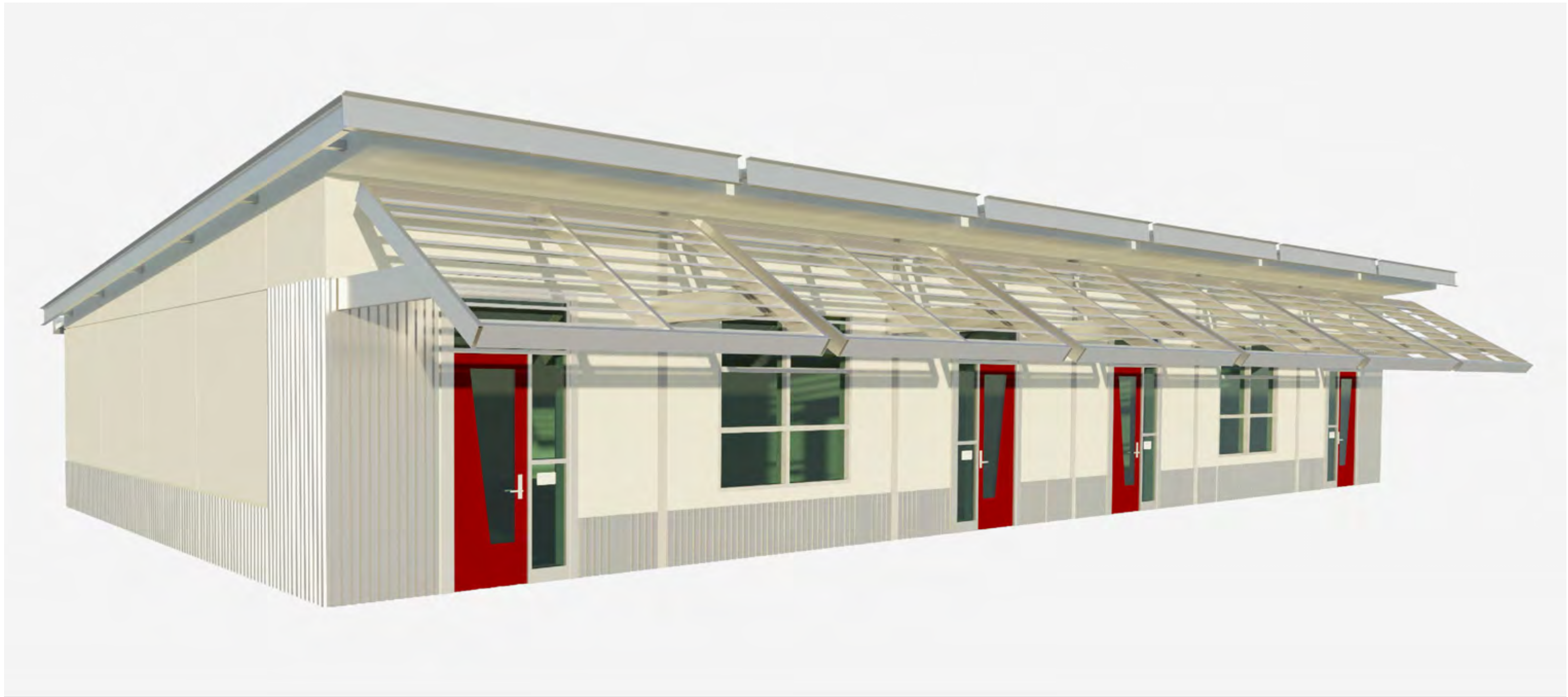
SECTION 706A VENTS - ENCLOSED SOFFITS TO BE FULLY INSULATED, NO SOFFIT VENTS INSTALLED.

SECTION 707A EXTERIOR COVERINGS
SECTION 707A.3 EXTERIOR WALLS - STUCCO FINISH, DURATEMP SIDING LISTING 8140-2031:0003, FIBER CEMENT SIDING, OR OTHER NON-COMBUSTIBLE OR IGNITION-RESISTANT MATERIAL.
SECTION 707A.4 OPEN ROOF EVES - EXPOSED STEEL OUTRIGGER BEAMS AND UNDESIDE OF EXPOSED METAL ROOFING PER SECTION 705A. ALL MATERIALS ARE NON-COMBUSTIBLE.
SECTION 707A.5 ENCLOSED ROOF EVES AND ROOF EVE SOFFITS - ENCLOSED SOFFITS TO BE FULLY INSULATED, NO SOFFIT VENTS INSTALLED.
SECTION 707A.6 EXTERIOR PORCH CEILINGS - NON-COMBUSTIBLE MATERIAL SOFFIT
SECTION 707A.8 UNDERFLOOR PROTECTION - FLOOR TO BE CONCRETE OR WOOD FLOOR WITH (1) 5/8" TYPE X GYPSUM APPLIED UNDER WOOD FLOOR. FOUNDATION VENTS TO HAVE 1/8" OPENINGS.

SECTION 708A EXTERIOR WINDOWS AND DOORS - ALL EXTERIOR GLAZING TO BE A MINIMUM (2) PANE TEMPERED GLAZING, ALL EXTERIOR DOORS TO BE HOLLOW METAL OR ALUMINUM FRAMES AND DOORS.

AMS®
American Modular Systems

28' x 36' THRU 140' x 36'
GEN7 BUILDINGS (HIGH SEISMIC)



APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2023

- 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) - PART 1, TITLE 24, CCR)
- 2022 CALIFORNIA BUILDING CODE (CBC), VOLUME 1 & 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2021 INTERNATIONAL BUILDING CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2020 NATIONAL ELECTRIC CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM MECHANICAL CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR)
- 2022 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2021 INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS
- 2022 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR)
- 2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
-

PARTIAL LIST OF APPLICABLE STANDARDS

• NFPA 13	AUTOMATIC SPRINKLER SYSTEM	2022 EDITION
• NFPA 14	STANDPIPE AND HOSE SYSTEMS	2019 EDITION
• NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
• NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
• NFPA 20	STATIONARY PUMPS	2019 EDITION
• NFPA 24	PRIVATE FIRE MAINS	2022 EDITION
• NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) (NOTE: SEE UL, STANDARD 1971 FOR "VISUAL DEVICES")	2022 EDITION
• NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2019 EDITION
• NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMMENDED)	2018 EDITION

GENERAL NOTES

1. SUBSTITUTION OF PRODUCTS OR PROCESSES WHICH CHANGE THE STRUCTURAL SAFETY, FIRE & LIFE-SAFETY, OR ACCESSIBILTY OF THIS BUILDING SHALL BE SUBMITTED TO THE DSA AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT.
2. PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B". (FOR "B" OCCUPANCY "OFFICE" USE, A MIN OF 12GA FLOOR JOISTS SHALL BE USED - REFER TO TABLE A IN SHEET S3.0).
3. PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
4. FOR WUI / CHAPTER 7A REQUIREMENTS: SEE SHEET A5.8A-A
5. AUTOMATIC SPRINKLER SYSTEMS MIGHT BE REQUIRED FOR SITE SPECIFIC PROJECTS. OPTIONAL AUTOMATIC FIRE SPRINKLER DESIGNS ARE INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN)
6. FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC SPRINKLER DEMAND REQUIREMENTS.
7. PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY.
8. 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 NON-PC DSA APPLICATION NUMBER (SITE-SPECIFIC JOB OR STOCKPILE) IS REQUIRED FOR DESIGN & ROOFTOP INSTALLATION OF SOLAR PANEL SYSTEMS, ITS ANCHORAGE & SUPPORT STRUCTURE ABOVE THE ROOF FRAMING. THE PC ROOF FRAMING IS DESIGNED FOR SOLAR PANELS TO BE INSTALLED FLAT ON THE ROOF. SEE SHEET A2.1A FOR SOLAR-READY ROOF ZONE AND ATTACHMENT LAYOUT DETAILS. PV PANELS MAY BE INSTALLED ON OPTIONAL SUNSHADE OVERHANGS AS PART OF THE APPROVED PC IF INSTALLED BY AMS AS SHOWN ON SHEET A2.0 AND DETAILED ON SHEET E1.3. (NOTE: SEE BUILDING DATA THIS SHEET FOR SOLAR PANEL SYSTEM WEIGHT & WIND LOAD INCLUDED IN THE BUILDING DESIGN FOR ROOFTOP & SUNSHADE INSTALLATIONS). SUBMITTALS FOR ROOFTOP SOLAR SYSTEM AND SOLAR PANELS ATTACHED TO THE SUNSHADES OTHER THAN THE AMS INSTALLATION PER SHEET E1.3 SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER SUBMITTAL. SOLAR PANEL SYSTEMS REQUIRED AS PART OF THE CALIFORNIA ENERGY CODE SHALL BE SUBMITTED WITH THE SITE APPLICATION.
10. IF THE STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND SITE SPECIFIC PROJECT SUBMITTAL IS REQUIRED. IF THE SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.
11. THIS PC BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS. WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A GEOTECHNICAL ENGINEER IS NEEDED TO VALIDATE THAT THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC DRAWINGS ARE STILL APPLICABLE, UNLESS THE BOTTOMS OF FOUNDATIONS ARE RAISED ABOVE THE DESIGN FLOOD ELEVATION. A VALIDATION LETTER FROM THE GEOTECHNICAL ENGINEER SHALL BE PROVIDED EVEN IF THE PRESUMPTIVE LOAD-BEARING VALUES PER CBC SECTION 1806A.2 ARE USED. PROJECT SHALL BE EXEMPT FROM THE VALIDATION LETTER FOR PROJECTS LOCATED IN ZONE D (UNDEFINED) IF THE APPLICANT PROVIDES EVIDENCE FROM THE LOCAL JURISDICTION OR A QUALIFIED DESIGN PROFESSIONAL CONFIRMING THAT THE SITE IS NOT IN A FLOOD HAZARD ZONE. LOCATION OF ELECTRICAL ELEMENTS SHALL CONFORM TO THE AMERICAN SOCIETY OF CIVIL ENGINEERS.THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE 'FOUNDATION CLEARANCES FROM SLOPES' SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS.
12. PC BUILDING SHALL NOT BE PLACED OR BE RELOCATED IN AREAS HAVING A NOISE CONTOUR GREATER THAN OR EQUAL TO 65 CNEL, OR IN AREAS EXPOSED TO A NOISE LEVEL OF 65 dB L_{eq}-1-hr DURING ANY HOUR OF OPERATION WHEN NOISE

    CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1.
13. AT SITES WITH SNOW, THE SITE APPLICATION REVIEWER SHALL VERIFY THE STRUCTURE TO BE LOCATED AT LEAST 20 FEET AND AT LEAST SIX TIMES THE VERTICAL SEPARATION DISTANCE FROM ANY ADJACENT STRUCTURE. SEE ASCE 7, SECTION 7.7.2. IF THE HORIZONTAL SEPARATION IS LESS THAN 20 FT. OR SIX TIMES THE VERTICAL SEPARATION DISTANCE, SNOW DRIFT ANALYSIS SHALL BE PROVIDED BY THE PC APPLICANT, AND THE PROJECT IS NOT ELIGIBLE FOR OTC SUBMITTAL. VERTICAL SEPARATION DISTANCE IS DEFINED AS THE VERTICAL DISTANCE IN FEET BETWEEN THE EDGE OF A HIGHER ROOF, INCLUDING ANY PARAPET, AND THE EDGE OF A LOWER ADJACENT ROOF EXCLUDING ANY PARAPET. ANY LIVE LOADS OVER 50 PSF AND ANY SNOW LOADS SHALL BE POSTED PER CBC 106.1
14. THIS PC BUILDING IS NOT DESIGNED FOR ICE LOADS.
15. BUILDING SHALL BE MANUFACTURED IN COMPLIANCE WITH CFC CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.
16. SUBMITTAL AND APPROVAL OF A GEOHAZARD REPORT BY THE CALIFORNIA GEOLOGICAL SURVEY (CGS) IS NOT REQUIRED FOR SINGLE-STORY MODULAR BUILDINGS PROVIDED THAT THEY DO NOT EXCEED 4,000 SQUARE FEET IN PLAN AREA AND ARE NOT LOCATED WITHIN STATE OR LOCAL GEOLOGICAL HAZARD ZONES IN ACCORDANCE WITH IR A-4, SECTION 3.2.1.
17. ACCEPTANCE TESTS BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS, MECHANICAL SYSTEMS, FENESTRATION, AND PROCESS EQUIPMENT BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.
18. THIS PC WILL NOT BE PLACED ON ANY CAMPUS IN AND OF THE FOLLOWING LOCATIONS: WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT. WITHIN THE 65 CNEL OR LDN NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD OR INDUSTRIAL SOURCE GUIDEWAY. WHERE EXPOSED TO NOISE LEVELS OF 65 DB LEQ-1-HOUR DURING ANY HOUR OF OPERATION.

© 2023 BY AMERICAN MODULAR SYSTEMS, INC.

ALL OF THE DRAWINGS AND DETAILS CONTAINED IN THIS PACKAGE ARE THE INTELLECTUAL PROPERTY OF AMS AND MAY NOT BE USED FOR CONSTRUCTION OR DESIGN BY ANOTHER ENTITY WITHOUT THE EXPRESS WRITTEN PERMISSION OF AMS.

COPYRIGHT: © 2023 BY AMERICAN MODULAR SYSTEMS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR OTHERWISE, WITHOUT THE PRIOR WRITTEN PERMISSION OF AMERICAN MODULAR SYSTEMS, INC. CERTAIN ELEMENTS CONTAINED IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMERICAN MODULAR SYSTEMS, INC. SHALL REMAIN THE SOLE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMERICAN MODULAR SYSTEM, INC.'S COPYRIGHT OR OTHER RESERVED INTELLECTUAL PROPERTY RIGHTS AND INTERESTS.

BUILDING DATA

OCCUPANCY	E		
TYPE OF CONSTRUCTION	V-B		
NUMBER OF STORIES	1		
WIND LOAD ASCE 7-16 SECTION 28.5.3 SIMPLIFIED PROCEDURE	V = 99 MPH BASIC WIND SPEED EXPOSURE = C INTERNAL PRESSURE COEFF., $GC_{P,I}$ = ±0.18 ROOF ANGLE = 3.8°		RISK CATEGORY III K_{ZT} = 1.00 λ = 1.40
ICE LOAD	☒ 0 (NO ICE LOADS) SEE GENERAL NOTE #14 THIS SHEET		
SITE SPECIFIC SNOW LOAD	SITE SPECIFIC GROUND SNOW LOAD, P_g= ________ PSF (SEE GENERAL NOTE #13 THIS SHEET IF > 0)		
	SITE SPECIFIC ROOF EXPOSURE FACTOR, C_e (REFERENCE ASCE 7-16 TABLE 7.3-1): ☐ FULLY EXPOSED, C_e = 0.9 ☐ PARTIALLY EXPOSED, C_e = 1.0 ☐ SHELTERED, C_e = 1.2 ☒ NOT APPLICABLE (P_g= 0 PSF)		
	ROOF SLOPE FACTOR, C_S = 1.0	THERMAL FACTOR, C_t = 1.0	IMPORTANCE FACTOR, I_s = 1.00
	SITE SPECIFIC ROOF SNOW LOAD, $P_s = 0.7C_eC_sC_tI_sP_g = 0.7C_eP_g$ = ____________PSF (30 PSF MAX)		
ROOF LIVE OR ROOF SNOW LOAD (MAX PSF)	☒ 20 (NO SNOW) - REDUCIBLE	☐ 30 SNOW*	* AT SITES w/ SNOW (SEE GENERAL NOTE #13 THIS SHEET)
FLOOR LIVE LOAD (PSF)	☒ 50+15	☐ 100	☐ 150 (NON-STORAGE)
DESIGN DEAD LOADS (MAX PSF)	24.0 ROOF & ROOF OVERHANGS - ~~18.0 WOOD FLR~~ - 50.0 CONC. FLR		
	22.5 EXTERIOR WALLS - ~~15.0 FRONT SUNSHADE~~		
FIRE SPRINKLER SYSTEM DESIGN WT.	1.5 PSF AT ROOF (SEE GENERAL NOTE #5 THIS SHEET)		
SOLAR PANEL SYSTEM DESIGN WT.	3.0 PSF AT ROOF ~~& AT FRONT SUNSHADE OVERHANG~~ (INCLUDED IN DESIGN DEAD LOADS ABOVE) (SEE GENERAL NOTE #9 THIS SHEET)		
ALLOWABLE SOIL PRESSURE (PSF)	1,500 (DEAD LOAD + LIVE LOAD) 2,000 (DEAD + LIVE + LATERAL LOAD)*		*PC FOUNDATIONS DESIGNED USING ALTERNATIVE ALLOWABLE STRESS DESIGN LOAD COMBINATIONS PER CBC 1605A.2
FLOOD HAZARD AREA	NO (SEE GENERAL NOTE #11 THIS SHEET)		
RAIN INTENSITY (IN/HR)	3"		
BUILDING AREA (SQ. FT.)	1008 MIN. THRU 5040 MAX.		
CLIMATE ZONE GROUP	☐ A (1,16) ☐ B (2-5)	☒ C (6-13) ☐ D (14,15)	(REFER TO EN.1 FOR REQUIREMENTS)
MODULES	LIGHT MODULAR STEEL MOMENT FRAMES PER CBC SECTION 2212A		
SYSTEM	14'x36' MODULES (2 MODULES MINIMUM)		
FOUNDATION TYPE	CONCRETE		

SITE-SPECIFIC OPTIONS

FLOOR DECK	☐ 1⅛" PLYWOOD SHTG.	☐ BH-36 DECK 1½" x 18 GA.		
	☐ 3WxH DECK 3" x 18 GA.	☒ 3WxH DECK 3" x16 GA.	☐ 3WxHF DECK 3" x 16/16 GA.	
WALL STUDS	☐ WOOD	☒ LIGHT-GAUGE STEEL		
EXTERIOR WALL FINISH		☒ SYNTHETIC STUCCO/BRICK	☐ LAP SIDING	☐ STUCCO
HVAC (SEE M1.7A FOR HVAC TYPES)	☒ INTERIOR FLOOR MOUNTED	☐ EXTERIOR WALL MOUNTED	☒ SPLIT SYSTEM	☐ ROOF MOUNTED
ROOFING	☒ 3" x 22 GA. STANDING SEAM	☐ SINGLE-PLY	☐ OTHER	
SOLATUBE ON ROOF	☒ NO	☐ YES		
FIRE SPRINKLERS	☐ NO	☒ YES (SEE GENERAL NOTES #5-#7 THIS SHEET)		
FRONT OVERHANG	☐ NO	☒ YES - LENGTH: 9'-4"	(SEE SHEET S4.0A-A)	
REAR OVERHANG	☐ NO	☒ YES - LENGTH: 5'-0"	(SEE SHEET S4.0A-A)	
FRONT SUN SHADE	☒ NO	☐ YES	(SEE SHEET S5.2)	
FRONT SUNSHADE OVERHANG SOLAR PANELS	☒ NO	☐ YES (SEE GENERAL NOTE #9 THIS SHEET)		
ALTERNATE OPEN CANOPY	☒ NO	☐ YES - LENGTH:	(SEE SHEET S5.4)	
OPTIONAL SIDE WALL CANOPY	☒ NO	☐ YES	(SEE SHEET S5.4A)	
NANA WALLS	☒ NO	☐ YES	(SEE SHEET S8.0A @ WOOD STUDS, SEE SHEET S9.0A @ STEEL STUDS)	
LIQUEFIABLE SOILS	☒ NO	☐ YES (SEE GENERAL NOTE #10 THIS SHEET)		
MAPPED GEOHAZARD ZONE	☒ NO	☐ YES (AS DEFINED BY PC-6 SECTION 1.8)		
GEOHAZARD REPORT	☐ NO	☒ YES		
IF YES	GEOTECHNICAL FIRM: ALLAN E. SEWARD ENGINEERING GEOLOGY INC.			
	REPORT #: 23-2775-9		REPORT DATE: NOVEMBER 10,2023	
GEOTECHNICAL REPORT*	☐ NO	☒ YES	* REQUIRED IF BUILDING AREA > 4,000 SF	
IF YES	GEOTECHNICAL FIRM: ALLAN E. SEWARD ENGINEERING GEOLOGY INC.			
	REPORT #: 24-2775-6		REPORT DATE: JUNE 19,2024	
	DEEPER FOOTINGS REQUIRED?	☒ NO	☐ YES - REQUIRED DEPTH:	
	WIDER FOOTINGS REQUIRED?	☒ NO	☐ YES - REQUIRED WIDTH:	
BELOW GRADE CONCRETE MIX DESIGN	☒ DEFAULT CONCRETE MIX DESIGN FOR BELOW GRADE CONCRETE PER SHEET N1.0A.			
	☐ OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN FOR BELOW GRADE CONCRETE PER SHEET N1.0A.			

☒ THIS SHEET CONTAINS DESIGN OPTION BOXES AVAILABLE FOR SELECTION BASED ON SITE SPECIFIC REQUIREMENTS.

SITE SPECIFIC WIND VALUES

SITE SPECIFIC BASIC WIND SPEED = 95 MPH

WIND EXPOSURE = C

SITE SPECIFIC SEISMIC VALUES

SITE SPECIFIC S_S = 1.916

SITE SPECIFIC S_1 = 0.719

SITE CLASS = D

(NOTE: SITE SHALL BE SITE CLASS "D" IF NO SOILS REPORT UNLESS THERE IS EVIDENCE OF CLASS "E" OR "F" SOILS PRESENT.)

PC BUILDING SEISMIC DESIGN CRITERIA

I_e = 1.0 T = 0.240s R = 3.5 (OMF) RISK CATEGORY II

Ω_O = 3.0 C_d = 3.0 ρ = 1.0 SEISMIC DESIGN CATEGORY: D ($S_1 < 0.75$)
E ($S_1 \geq 0.75$)

MAXIMUM STORY DRIFT RATIO = 2.0% (I.E. MAX DRIFT = 0.020 x THE HEIGHT UNDER CONSIDERATION.

LATERAL FORCE RESISTING SYSTEM: LIGHT MODULAR STEEL MOMENT FRAMES PER 2212A

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE.

COMPONENTS AND CLADDING DESIGNED FOR: S_{DS} = 2.00

☐ NO SOILS REPORT - ASSUMED SITE CLASS "D" (DEFAULT)

NOTE: PER THE EXCEPTION OF ASCE 7-16 SECTION 11.4.8-1 (SUPPLEMENT 3), S_{M1} USED TO DETERMINE S_{D1} INCREASED BY 50% THEREFORE A GROUND MOTION HAZARD ANALYIS IS NOT REQUIRED.

S_S = 2.440 MAX (SITE) F_a= 1.2 S_{DS} = 1.95 MAX (SITE)
1.37 (DESIGN)*

S_1 = 1.148 MAX (SITE) F_v= 1.7 S_{D1} = 1.95 MAX (SITE & DESIGN)**
(SEE NOTE ABOVE)

C_S = 0.390 W (DESIGN)*

☒ WITH SOILS REPORT - SITE CLASS "A", "B" OR "D"

NOTE: PER THE EXCEPTION OF ASCE 7-16 SECTION 11.4.8-1 (SUPPLEMENT 3), S_{M1} USED TO DETERMINE S_{D1} INCREASED BY 50% THEREFORE A GROUND MOTION HAZARD ANALYSIS IS NOT REQUIRED FOR SITE CLASS "D".

S_S = 2.928 MAX (SITE) F_a= 1.0 S_{DS} = 1.95 MAX (SITE)
1.37 (DESIGN)*

S_1 = 1.148 MAX (SITE) F_v= 1.7 S_{D1} = 1.95 MAX (SITE & DESIGN)**
(SEE NOTE ABOVE)

C_S = 0.390 W (DESIGN)*

☐ WITH SOILS REPORT - SITE CLASS "C"

S_S = 2.440 MAX (SITE) F_a= 1.2 S_{DS} = 1.95 MAX (SITE)
1.37 (DESIGN)*

S_1 = 2.091 MAX (SITE) F_v= 1.4 S_{D1} = 1.95 MAX (SITE & DESIGN)**

C_S = 0.390 W (DESIGN)*

☐ WITH SOILS REPORT - SITE CLASS "E"

NOTE: PER EXCEPTION 1 OF ASCE 7-16 SECTION 11.4.8-2 (SUPPLEMENT 3), C_S DETERMINED BY EQ. 12.8-2 THEREFORE A GROUND MOTION HAZARD ANALYSIS IS NOT REQUIRED.

S_S = 1.708 MAX (SITE) F_a= 1.2 S_{DS} = 1.37 MAX (SITE)
1.37 (DESIGN)

S_1 = 1.025 MAX (SITE) F_v= 2.0 S_{D1} = 1.37 MAX (SITE & DESIGN)**

C_S = 0.390 W (DESIGN)

SITE CLASS "F" NOT PERMITTED

SEE GENERAL NOTE #10 THIS SHEET

*PER ASCE 7-16, SECTION 12.8.1.3:
THE VALUE OF C_S AND E_V ARE PERMITTED TO BE CALCULATED USING A VALUE OF S_{DS} EQUAL TO 1.0, BUT NOT LESS THAN 70% OF S_{DS} AS DEFINED IN SECTION 11.4.5, PROVIDED THAT ALL OF THE FOLLOWING CRITERIA ARE MET:

1. STRUCTURE DOES NOT HAVE IRREGULARITIES;
2. STRUCTURE DOES NOT EXCEED FIVE (5) STORIES ABOVE THE LOWER OF THE BASE OR GRADE PLANE;
3. STRUCTURE HAS A FUNDAMENTAL PERIOD, T, THAT DOES NOT EXCEED 0.5 SECONDS;
4. STRUCTURE MEETS REQUIREMENTS FOR REDUNDANCY FACTOR, ρ, TO BE TAKEN AS 1.0;
5. SITE SOIL PROPERTIES ARE NOT CLASSIFIED AS SITE CLASS 'E' OR 'F';
6. STRUCTURE IS CLASSIFIED AS RISK CATEGORY II.

**PER CBC SECTION 1613A.2.3:
S_{MS} SHALL NOT BE TAKEN AS LESS THAN S_{M1}

PV SYSTEM REQUIREMENT TABLE

REQUIRED PV SYSTEM SIZE (kW)

CLIMATE ZONE	BUILDING SIZE								
	☐ 28'x36'	☐ 42'x36'	☐ 56'x36'	☒ 70'x36'	☒ 84'x36'	☒ 98'x36'	☐ 112'x36'	☐ 126'x36'	☐ 140'x36'
	APPROXIMATE CONDITIONED FLOOR AREA								
	1008	1512	2016	2520	3024	3520	4032	4536	5040
☐ 1 & 16	NONE	NONE	NONE	NONE	NONE	0.2	NONE	NONE	1.6
☐ 2 - 5	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
☒ 6 - 13	NONE	NONE	NONE	NONE	3.2	3.4	NONE	NONE	2.6
☐ 14, 15	NONE	NONE	2.2	3.2	3.6	8.0	NONE	8.8	6.6

NOTE: FOR SITE-SPECIFIC PROJECT, INDICATE BUILDING SIZE AND PV SYSTEM SIZE. IF PV REQUIRED, SEE NOTE #9 UNDER GENERAL NOTES

SEE SHEET TS2 FOR SHEET INDEX

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

AMS®
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD

RANDAL PATRICK CAVANAGH
No. C12631
Ren. 3-31-27

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY: AV
SCALE: AS NOTED
DATE: 2/17/26
PROJECT NO: 1902-24

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
TS-A

American Modular Systems

28' x 36' THRU 140' x 36'
GEN7 BUILDINGS (HIGH SEISMIC)

SHEET INDEX 181 SHEETS

ARCHITECTURAL

OPTIONS	SHEET NUMBER	SHEET TITLE
COVER SHEET	☐ TS	TITLE SHEET
	☐ TS-2	SHEET INDEX
INSPECTION FORM	☐ D1	FORM DSA-103
	☐ D2	FORM DSA-103
GENERAL NOTES & SPECIFICATIONS	☐ N1.0	GENERAL NOTES & SPECIFICATIONS
	☐ N1.0A	BELOW GRADE CONCRETE MIX DESIGN REQUIREMENTS
	☐ N2.0	GENERAL NOTES & SPECIFICATIONS
	☐ N3.0	TYPICAL SCHEDULES: DOORS, WINDOWS & FINISHES
	☐ N4.0	ACCESSIBILITY STANDARDS AND DETAILS
	☐ N5.0	MULTIPLE FLOOR PLAN CONFIGURATIONS
	☐ N5.1	MULTIPLE FLOOR PLAN CONFIGURATIONS
ENERGY SHEETS & CALCULATIONS	☐ EN.1A-EN.1F	ENERGY CALCULATIONS - SUMMATION SHEETS
	☐ EN.2-EN.3	ENERGY CALCULATIONS - 28'x36 BUILDING - GROUP A
	☐ EN.4-EN.5	ENERGY CALCULATIONS - 28'x36' BUILDING - GROUP B
	☐ EN.6-EN.7	ENERGY CALCULATIONS - 28'x36' BUILDING - GROUP C
	☐ EN.8-EN.9	ENERGY CALCULATIONS - 28'x36' BUILDING - GROUP D
	☐ EN.10-EN.11	ENERGY CALCULATIONS - 42'x36' BUILDING - GROUP A
	☐ EN.12-EN.13	ENERGY CALCULATIONS - 42'x36' BUILDING - GROUP B
	☐ EN.14-EN.15	ENERGY CALCULATIONS - 42'x36' BUILDING - GROUP C
	☐ EN.16-EN.17	ENERGY CALCULATIONS - 42'x36' BUILDING - GROUP D
	☐ EN.18-EN.19	ENERGY CALCULATIONS - 56'x36' BUILDING - GROUP A
	☐ EN.20-EN.21	ENERGY CALCULATIONS - 56'x36' BUILDING - GROUP B
	☐ EN.22-EN.24	ENERGY CALCULATIONS - 56'x36' BUILDING - GROUP C
	☐ EN.25-EN.26	ENERGY CALCULATIONS - 56'x36' BUILDING - GROUP D
	☐ EN.27-EN.28	ENERGY CALCULATIONS - 70'x36' BUILDING - GROUP A
	☐ EN.29-EN.30	ENERGY CALCULATIONS - 70'x36' BUILDING - GROUP B
	☐ EN.31-EN.33	ENERGY CALCULATIONS - 70'x36' BUILDING - GROUP C
	☐ EN.34-EN.35	ENERGY CALCULATIONS - 70'x36' BUILDING - GROUP D
	☐ EN.36-EN.37	ENERGY CALCULATIONS - 84'x36' BUILDING - GROUP A
	☐ EN.38-EN.39	ENERGY CALCULATIONS - 84'x36' BUILDING - GROUP B
	☐ EN.40-EN.42	ENERGY CALCULATIONS - 84'x36' BUILDING - GROUP C
	☐ EN.43-EN.44	ENERGY CALCULATIONS - 84'x36' BUILDING - GROUP D
	☐ EN.45-EN.46	ENERGY CALCULATIONS - 98'x36' BUILDING - GROUP A
	☐ EN.47-EN.49	ENERGY CALCULATIONS - 98'x36' BUILDING - GROUP B
	☐ EN.50-EN.52	ENERGY CALCULATIONS - 98'x36' BUILDING - GROUP C
	☐ EN.53-EN.55	ENERGY CALCULATIONS - 98'x36' BUILDING - GROUP D
	☐ EN.56-EN.57	ENERGY CALCULATIONS - 112'x36' BUILDING - GROUP A
	☐ EN.58-EN.59	ENERGY CALCULATIONS - 112'x36' BUILDING - GROUP B
	☐ EN.60-EN.61	ENERGY CALCULATIONS - 112'x36' BUILDING - GROUP C
	☐ EN.62-EN.63	ENERGY CALCULATIONS - 112'x36' BUILDING - GROUP D
	☐ EN.64-EN.65	ENERGY CALCULATIONS - 126'x36' BUILDING - GROUP A
	☐ EN.66-EN.68	ENERGY CALCULATIONS - 126'x36' BUILDING - GROUP B
	☐ EN.69-EN.71	ENERGY CALCULATIONS - 126'x36' BUILDING - GROUP C
	☐ EN.72-EN.73	ENERGY CALCULATIONS - 126'x36' BUILDING - GROUP D
	☐ EN.74-EN.75	ENERGY CALCULATIONS - 140'x36' BUILDING - GROUP A
	☐ EN.76-EN.77	ENERGY CALCULATIONS - 140'x36' BUILDING - GROUP B
	☐ EN.78-EN.80	ENERGY CALCULATIONS - 140'x36' BUILDING - GROUP C
	☐ EN.81-EN.83	ENERGY CALCULATIONS - 140'x36' BUILDING - GROUP D
	☐ EN.84-EN.88	ENERGY CALCULATIONS - SUPPLEMENTAL SHEETS
FLOOR PLANS	☐ A1.0	TYPICAL FLOOR PLAN
	☐ A1.1	TYPICAL FLOOR PLAN w/ SOLATUBE OPTION
	☐ A1.2	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 13-ADULT
	☐ A1.3	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 9-12
	☐ A1.4	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 5-8
	☐ A1.5	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 3-4
ROOF PLAN & DETAILS	☐ A2.0	TYPICAL ROOF PLAN
	☐ A2.1	TYPICAL ROOF DETAILS
	☐ A2.1A	ROOF SOLAR PANELS & DETAILS

ARCHITECTURAL (CONTINUATION)

OPTIONS		SHEET NUMBER	SHEET TITLE
INTERIOR ELEVATIONS		☐ A4.0	INTERIOR ELEVATIONS - TYPICAL CLASSROOM
		☐ A4.1	INTERIOR ELEVATIONS - RESTROOM OPTIONS
		☐ A4.2	INTERIOR ELEVATIONS - RESTROOM OPTIONS - ALT. TOILET TYPES
EXTERIOR ELEVATIONS & ARCHITECTURAL DETAILS	STUCCO	☐ A5.2	TYPICAL EXTERIOR ELEVATIONS - STUCCO OPTION
		☐ A5.3	TYPICAL ARCHITECTURAL DETAILS - STUCCO OPTION
		☐ A5.3A	DETERIORATION DETAILS GREATER THAN 2160 SQ. FT. - STUCCO OPTION
	LAP SIDING	☐ A5.4	TYPICAL EXTERIOR ELEVATIONS - LAP SIDING OPTION
		☐ A5.5	TYPICAL ARCHITECTURAL DETAILS - LAP SIDING OPTION
		☐ A5.5A	DETERIORATION DETAILS GREATER THAN 2160 SQ. FT. - LAP SIDING OPTION
	SYNTHETIC STUCCO	☐ A5.6	TYPICAL EXTERIOR ELEVATIONS - SYNTHETIC STUCCO OPTION
		☐ A5.7	TYPICAL ARCHITECTURAL DETAILS - SYNTHETIC STUCCO OPTION
		☐ A5.7A	DETERIORATION DETAILS GREATER THAN 2160 SQ. FT. - SYNTHETIC STUCCO OPTION
MISCELLANEOUS DETAILS		☐ A7.0	ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS
		☐	
		☐	
		☐	

REFER TO SHEET TS-2A
FOR SITE-SPECIFIC SHEET

OPTIONS		SHEET	
STEEL MEMBER PROPERTIES		☐	
FOUNDATION PLANS & DETAILS	CONCRETE	☐	
		☐ S1.2	CONCRETE FOUNDATION PLAN - 100 PSF
		☐ S1.3	CONCRETE FOUNDATION PLAN - 150 PSF
		☐ S1.4	CONCRETE FOUNDATION DETAILS
		☐ S1.5	CONCRETE FOUNDATION DETAILS
		☐ S1.6	FOUNDATION ANCHORAGE DETAILS
		☐ S1.7	CONCRETE FOUNDATION - OPTIONAL UTILITY OPENINGS IN FOOTINGS
FLOOR FRAMING PLAN & DETAILS	PLYWOOD	☐ S3.0	FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR
	CONCRETE w/ METAL DECK	☐ S3.1	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/BH-DECK OPTION (100 & 150 PSF MAX FLOOR L.L.)
		☐ S3.2	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/3WxH-DECK OPTION (100 PSF MAX FLOOR L.L.)
		☐ S3.3	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/3WxHF-DECK OPTION (150 PSF MAX FLOOR L.L.)
ROOF FRAMING PLAN & DETAILS		☐ S4.0	ROOF FRAMING PLAN & DETAILS
		☐ S4.2	ROOF FRAMING DETAILS
BUILDING FRAMNG ELEVATIONS & DETAILS		☐ S5.0	MOMENT FRAME ELEVATIONS
		☐ S5.1	MOMENT FRAME CONNECTION DETAILS
		☐ S5.2	SUNSHADE & REAR ROOF OVERHANG PLAN & DETAILS
		☐ S5.4	ALTERNATE CANOPIES & FRONT & REAR ROOF OVERHANGS
		☐ S5.4A	OPTIONAL SIDE WALL CANOPY PLAN & DETAILS
		☐ S5.5	OPTIONAL DRIP PAN @ REAR ROOF OVERHANG
		☐ S7.0	OPTIONAL SHIM PLATE DETAILS
WALL FRAMING	WOOD STUDS	☐ S8.0	WALL FRAMING ELEVATIONS & SCHEDULES - WOOD STUDS
		☐ S8.0A	NANAWALL FRAMING ELEVATIONS & DETAILS - WOOD STUDS
		☐ S8.1	WALL FRAMING DETAILS - WOOD STUDS
	METAL STUDS	☐ S9.0	WALL FRAMING ELEVATIONS & SCHEDULES - METAL STUD OPTION
		☐ S9.0A	NANAWALL FRAMING ELEVATIONS & DETAILS - METAL STUD OPTION
		☐ S9.1	WALL FRAMING DETAILS - METAL STUD OPTION
		☐ S9.2	TYPICAL METAL STUD FRAMING DETAILS

MECHANICAL

OPTIONS	SHEET NUMBER	SHEET TITLE
FLOOR PLANS	☐ M1.0	TYPICAL REFLECTED CEILING PLAN
	☐ M1.1A	TYPICAL MECHANICAL PLAN OPTIONS
	☐ M1.1B	TYPICAL MECHANICAL PLAN OPTIONS
	☐ M1.1C	TYPICAL MECHANICAL PLAN OPTIONS
	☐ M1.2	OPTIONAL REFLECTED CEILING PLAN
	☐ M1.3	RESTROOM REFLECTED CEILING PLANS & OPTIONS
DETAILS	☐ M1.4	MECHANICAL DETAILS
	☐ M1.4A	MECHANICAL DETAILS
	☐ M1.5	MECHANICAL & CEILING DETAILS
	☐ M1.5A	MECHANICAL & CEILING DETAILS
	☐ M1.6	MECHANICAL ROOF DETAILS
	☐ M1.6A	MECHANICAL ROOF DETAILS
MISCELLANEOUS	☐ M1.7	CEILING NOTES & SPECIFICATIONS
	☐ M1.7A	MECHANICAL NOTES & SCHEDULES

ELECTRICAL

OPTIONS	SHEET NUMBER	SHEET TITLE
	☐ E1.0	TYPICAL ELECTRICAL PLAN

PLUMBING

OPTIONS	SHEET NUMBER	SHEET TITLE
FLOOR PLAN & DETAILS	☐ P1.0	RESTROOM OPTIONS PLUMBING PLAN & FIXTURE SCHEDULE
	☐ P2.0	PLUMBING DETAILS & ACCESSIBLE DETAILS
	☐ P3.0	PLUMBING ISOMETRIC

FIRE SPRINKLERS

OPTIONS	SHEET NUMBER	SHEET TITLE
FLOOR PLAN & DETAILS	☐ FS-1	OPTIONAL FIRE SPRINKLER TYP. NOTES & DETAILS
	☐ FS-2	OPTIONAL FIRE SPRINKLER TYPICAL PLANS

SHEETS WITH SPECIFIC ROOF LIVE LOAD/SNOW LOAD DESIGNATIONS/OPTIONS

TS	TITLE SHEET
S1.1	CONCRETE FOUNDATION PLANS - 50+15 PSF
S1.2	CONCRETE FOUNDATION PLANS - 100 PSF
S1.3	CONCRETE FOUNDATION PLANS - 150 PSF
S5.0	MOMENT FRAME ELEVATIONS
S5.1	MOMENT FRAME CONNECTION DETAILS
S5.2	SUNSHADE & REAR ROOF OVERHANG PLAN & DETAILS
S5.4	ALTERNATE OPEN CANOPY & FRONT ROOF OVERHANG PLAN & DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7® by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 05/14/2024

☒ 2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:
SHEET INDEX

SHEET NUMBER:
TS-2

American Modular Systems

28' x 36' THRU 140' x 36'
GEN7 BUILDINGS (HIGH SEISMIC)

SHEET INDEX

ARCHITECTURAL

OPTIONS	SHEET NUMBER	SHEET TITLE
COVER SHEET	☒ TS	TITLE SHEET
	☒ TS-A	TITLE SHEET
	☒ TS-2	SHEET INDEX
	☒ TS-2A	SHEET INDEX
INSPECTION FORM	☒ D1	FORM DSA-103
	☒ D2	FORM DSA-103
GENERAL NOTES & SPECIFICATIONS	☒ N1.0	GENERAL NOTES & SPECIFICATIONS
	☒ N1.0A	BELOW GRADE CONCRETE MIX DESIGN REQUIREMENTS
	☒ N2.0	GENERAL NOTES & SPECIFICATIONS
	☒ N3.0	TYPICAL SCHEDULES: DOORS, WINDOWS & FINISHES
	☒ N3.0-A	TYPICAL SCHEDULES: DOORS, WINDOWS & FINISHES
	☒ N4.0	ACCESSIBILITY STANDARDS AND DETAILS
	☒ N5.0	MULTIPLE FLOOR PLAN CONFIGURATIONS
	☒ N5.0-A	MULTIPLE FLOOR PLAN CONFIGURATIONS
	☐ N5.1	MULTIPLE FLOOR PLAN CONFIGURATIONS
ENERGY SHEETS & CALCULATIONS	☒ EN.1A-EN.1F	ENERGY CALCULATIONS - SUMMATION SHEETS
	☐ EN.2-EN.3	ENERGY CALCULATIONS - 28'x36 BUILDING - GROUP A
	☐ EN.4-EN.5	ENERGY CALCULATIONS - 28'x36' BUILDING - GROUP B
	☐ EN.6-EN.7	ENERGY CALCULATIONS - 28'x36' BUILDING - GROUP C
	☐ EN.8-EN.9	ENERGY CALCULATIONS - 28'x36' BUILDING - GROUP D
	☐ EN.10-EN.11	ENERGY CALCULATIONS - 42'x36' BUILDING - GROUP A
	☐ EN.12-EN.13	ENERGY CALCULATIONS - 42'x36' BUILDING - GROUP B
	☐ EN.14-EN.15	ENERGY CALCULATIONS - 42'x36' BUILDING - GROUP C
	☐ EN.16-EN.17	ENERGY CALCULATIONS - 42'x36' BUILDING - GROUP D
	☐ EN.18-EN.19	ENERGY CALCULATIONS - 56'x36' BUILDING - GROUP A
	☐ EN.20-EN.21	ENERGY CALCULATIONS - 56'x36' BUILDING - GROUP B
	☐ EN.22-EN.24	ENERGY CALCULATIONS - 56'x36' BUILDING - GROUP C
	☐ EN.25-EN.26	ENERGY CALCULATIONS - 56'x36' BUILDING - GROUP D
	☐ EN.27-EN.28	ENERGY CALCULATIONS - 70'x36' BUILDING - GROUP A
	☐ EN.29-EN.30	ENERGY CALCULATIONS - 70'x36' BUILDING - GROUP B
	☒ EN.31-EN.33	ENERGY CALCULATIONS - 70'x36' BUILDING - GROUP C
	☐ EN.34-EN.35	ENERGY CALCULATIONS - 70'x36' BUILDING - GROUP D
	☐ EN.36-EN.37	ENERGY CALCULATIONS - 84'x36' BUILDING - GROUP A
	☐ EN.38-EN.39	ENERGY CALCULATIONS - 84'x36' BUILDING - GROUP B
	☒ EN.40-EN.42	ENERGY CALCULATIONS - 84'x36' BUILDING - GROUP C
	☐ EN.43-EN.44	ENERGY CALCULATIONS - 84'x36' BUILDING - GROUP D
	☐ EN.45-EN.46	ENERGY CALCULATIONS - 98'x36' BUILDING - GROUP A
	☐ EN.47-EN.49	ENERGY CALCULATIONS - 98'x36' BUILDING - GROUP B
	☒ EN.50-EN.52	ENERGY CALCULATIONS - 98'x36' BUILDING - GROUP C
	☐ EN.53-EN.55	ENERGY CALCULATIONS - 98'x36' BUILDING - GROUP D
	☐ EN.56-EN.57	ENERGY CALCULATIONS - 112'x36' BUILDING - GROUP A
	☐ EN.58-EN.59	ENERGY CALCULATIONS - 112'x36' BUILDING - GROUP B
	☐ EN.60-EN.61	ENERGY CALCULATIONS - 112'x36' BUILDING - GROUP C
	☐ EN.62-EN.63	ENERGY CALCULATIONS - 112'x36' BUILDING - GROUP D
	☐ EN.64-EN.65	ENERGY CALCULATIONS - 126'x36' BUILDING - GROUP A
	☐ EN.66-EN.68	ENERGY CALCULATIONS - 126'x36' BUILDING - GROUP B
	☐ EN.69-EN.71	ENERGY CALCULATIONS - 126'x36' BUILDING - GROUP C
	☐ EN.72-EN.73	ENERGY CALCULATIONS - 126'x36' BUILDING - GROUP D
	☐ EN.74-EN.75	ENERGY CALCULATIONS - 140'x36' BUILDING - GROUP A
	☐ EN.76-EN.77	ENERGY CALCULATIONS - 140'x36' BUILDING - GROUP B
	☐ EN.78-EN.80	ENERGY CALCULATIONS - 140'x36' BUILDING - GROUP C
	☐ EN.81-EN.83	ENERGY CALCULATIONS - 140'x36' BUILDING - GROUP D
	☒ EN.84-EN.88	ENERGY CALCULATIONS - SUPPLEMENTAL SHEETS
FLOOR PLANS	☒ A1.0	TYPICAL FLOOR PLAN
	☒ A1.0A-A	TYPICAL FLOOR PLAN - BUILDING C
	☒ A1.0B-A	TYPICAL FLOOR PLAN - BUILDING D
	☒ A1.0C-A	TYPICAL FLOOR PLAN - BUILDING E
	☒ A1.0D-A	TYPICAL FLOOR PLAN - BUILDING E
	☒ A1.0E-A	TYPICAL FLOOR PLAN - BUILDING F
	☒ A1.0F-A	TYPICAL FLOOR PLAN - BUILDING F
	☐ A1.1	TYPICAL FLOOR PLAN w/ SOLATUBE OPTION
	☒ A1.2	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 13-ADULT
	☒ A1.2-A	RESTROOM FLOOR PLAN OPTIONS
	☐ A1.3	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 9-12
	☐ A1.4	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 5-8
	☐ A1.5	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 3-4

ARCHITECTURAL (CONTINUATION)

OPTIONS		SHEET NUMBER	SHEET TITLE
ROOF PLAN & DETAILS		☒ A2.0	TYPICAL ROOF PLAN
		☒ A2.0A-A	ROOF PLAN - BUILDING C
		☒ A2.0B-A	ROOF PLAN - BUILDING D
		☒ A2.0C-A	ROOF PLAN - BUILDING E
		☒ A2.0D-A	ROOF PLAN - BUILDING E
		☒ A2.0E-A	ROOF PLAN - BUILDING F
		☒ A2.0F-A	ROOF PLAN - BUILDING F
		☒ A2.1	TYPICAL ROOF DETAILS
		☐ A2.1A	ROOF SOLAR PANELS & DETAILS
INTERIOR ELEVATIONS		☒ A4.0	INTERIOR ELEVATIONS - TYPICAL CLASSROOM
		☒ A4.0A-A	INTERIOR ELEVATIONS - BUILDING C
		☒ A4.0B-A	INTERIOR ELEVATIONS - BUILDING C
		☒ A4.0C-A	INTERIOR ELEVATIONS - BUILDING D
		☒ A4.0D-A	INTERIOR ELEVATIONS - BUILDING E
		☒ A4.0E-A	INTERIOR ELEVATIONS - BUILDING F
		☒ A4.0F-A	INTERIOR ELEVATIONS - BUILDING E & F
		☒ A4.1	INTERIOR ELEVATIONS - RESTROOM OPTIONS
		☒ A4.1-A	RESTROOM INTERIOR ELEVATIONS BUILDING D & F
		☐ A4.2	INTERIOR ELEVATIONS - RESTROOM OPTIONS - ALT. TOILET TYPES
EXTERIOR ELEVATIONS & ARCHITECTURAL DETAILS	STUCCO	☐ A5.2	TYPICAL EXTERIOR ELEVATIONS - STUCCO OPTION
		☐ A5.3	TYPICAL ARCHITECTURAL DETAILS - STUCCO OPTION
		☐ A5.3A	DETERIORATION DETAILS GREATER THAN 2160 SQ. FT. - STUCCO OPTION
	LAP SIDING	☐ A5.4	TYPICAL EXTERIOR ELEVATIONS - LAP SIDING OPTION
		☐ A5.5	TYPICAL ARCHITECTURAL DETAILS - LAP SIDING OPTION
		☐ A5.5A	DETERIORATION DETAILS GREATER THAN 2160 SQ. FT. - LAP SIDING OPTION
	SYNTHETIC STUCCO	☐ A5.6	TYPICAL EXTERIOR ELEVATIONS - SYNTHETIC STUCCO OPTION
		☐ A5.7	TYPICAL ARCHITECTURAL DETAILS - SYNTHETIC STUCCO OPTION
		☐ A5.7A	DETERIORATION DETAILS GREATER THAN 2160 SQ. FT. - SYNTHETIC STUCCO OPTION
	BRICK VENEER	☒ A5.8A-A	EXTERIOR ELEVATIONS BRICK VENEER BUILDING C
		☒ A5.8B-A	EXTERIOR ELEVATIONS BRICK VENEER BUILDING D
		☒ A5.8C-A	EXTERIOR ELEVATIONS BRICK VENEER BUILDING E
		☒ A5.8D-A	EXTERIOR ELEVATIONS BRICK VENEER BUILDING F
		☒ A5.8E-A	EXTERIOR ELEVATIONS BRICK VENEER BUILDING D & F
		☒ A5.9A-A	EXTERIOR ARCHITECTURAL DETAILS AT BRICK FINISH
		☒ A5.9B-A	EXTERIOR ARCHITECTURAL DETAILS AT BRICK FINISH
		☒ A5.9C-A	EXTERIOR ARCHITECTURAL DETAILS AT BRICK FINISH
		☒ A5.10-A	EXTERIOR ARCHITECTURAL DETAILS AT BRICK FINISH
MISCELLANEOUS DETAILS		☐ A7.0	ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS
		☒ A7.1	MISCELLANEOUS ARCHITECTURAL DETAILS
		☒ A7.3	TYPICAL LONGITUDINAL AND TRANSVERSE FRAME SECTIONS
		☐ A8.0	1-HR FIRE RATED CONSTRUCTION DETAILS

STRUCTURAL

OPTIONS		SHEET NUMBER	SHEET TITLE
STEEL MEMBER PROPERTIES		☒ S0.0	LIGHT GAUGE STEEL MEMBER PROPERTIES
		☒ S0.0-A	LIGHT GAUGE STEEL MEMBER PROPERTIES
FOUNDATION PLANS & DETAILS	CONCRETE	☒ S1.1	CONCRETE FOUNDATION PLAN - 50+15 PSF
		☒ S1.1A-A	CONCRETE FOUNDATION PLAN - 50+15 PSF - BUILDING C
		☒ S1.1B-A	CONCRETE FOUNDATION PLAN - 50+15 PSF - BUILDING D
		☒ S1.1C-A	CONCRETE FOUNDATION PLAN - 50+15 PSF - BUILDING E
		☒ S1.1D-A	CONCRETE FOUNDATION PLAN - 50+15 PSF - BUILDING E
		☒ S1.1E-A	CONCRETE FOUNDATION PLAN - 50+15 PSF - BUILDING F
		☒ S1.1F-A	CONCRETE FOUNDATION PLAN - 50+15 PSF - BUILDING F
		☐ S1.2	CONCRETE FOUNDATION PLAN - 100 PSF
		☐ S1.3	CONCRETE FOUNDATION PLAN - 150 PSF
		☒ S1.4	CONCRETE FOUNDATION DETAILS
		☒ S1.4-A	CONCRETE FOUNDATION DETAILS
		☒ S1.5	CONCRETE FOUNDATION DETAILS
		☒ S1.5-A	CONCRETE FOUNDATION DETAILS
		☒ S1.6	FOUNDATION ANCHORAGE DETAILS
		☒ S1.7	CONCRETE FOUNDATION - OPTIONAL UTILITY OPENINGS IN FOOTINGS
		☒ S1.8-A	CONCRETE FOUNDATION
		☒ S1.9-A	ARCHITECTURAL PILASTER DETAILS
FLOOR FRAMING PLAN & DETAILS	PLYWOOD	☐ S3.0	FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR
	CONCRETE w/ METAL DECK	☐ S3.1	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/BH-DECK OPTION (100 & 150 PSF MAX FLOOR L.L.)
		☒ S3.2	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/3WxH-DECK OPTION (100 PSF MAX FLOOR L.L.)
		☐ S3.3	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/3WxHF-DECK OPTION (150 PSF MAX FLOOR L.L.)
ROOF FRAMING PLAN & DETAILS		☒ S4.0	ROOF FRAMING PLAN & DETAILS
		☒ S4.0-A	ROOF FRAMING DETAILS
		☒ S4.0A-A	ROOF FRAMING PLAN BUILDING C
		☒ S4.0B-A	ROOF FRAMING PLAN BUILDING D
		☒ S4.0C-A	ROOF FRAMING PLAN BUILDING E
		☒ S4.0D-A	ROOF FRAMING PLAN BUILDING E
		☒ S4.0E-A	ROOF FRAMING PLAN BUILDING F
		☒ S4.0F-A	ROOF FRAMING PLAN BUILDING F
		☒ S4.1-A	5'-0" SIDE WALL ROOF OVERHANG FRAMING BUILDING D & F
		☒ S4.2	ROOF FRAMING DETAILS
BUILDING FRAMING ELEVATIONS & DETAILS		☒ S5.0	MOMENT FRAME ELEVATIONS
		☒ S5.0-A	MOMENT FRAME ELEVATIONS
		☒ S5.1	MOMENT FRAME CONNECTION DETAILS
		☐ S5.2	SUNSHADE & REAR ROOF OVERHANG PLAN & DETAILS
		☐ S5.4	ALTERNATE CANOPIES & FRONT & REAR ROOF OVERHANGS
		☐ S5.4A	OPTIONAL SIDE WALL CANOPY PLAN & DETAILS
		☐ S5.5	OPTIONAL DRIP PAN @ REAR ROOF OVERHANG
		☒ S7.0	OPTIONAL SHIM PLATE DETAILS
WALL FRAMING	WOOD STUDS	☐ S8.0	WALL FRAMING ELEVATIONS & SCHEDULES - WOOD STUDS
		☐ S8.0A	NANAWALL FRAMING ELEVATIONS & DETAILS - WOOD STUDS
		☐ S8.1	WALL FRAMING DETAILS - WOOD STUDS
	METAL STUDS	☒ S9.0	WALL FRAMING ELEVATIONS & SCHEDULES - METAL STUD OPTION
		☐ S9.0A	NANAWALL FRAMING ELEVATIONS & DETAILS - METAL STUD OPTION
		☒ S9.1	WALL FRAMING DETAILS - METAL STUD OPTION
		☒ S9.2	TYPICAL METAL STUD FRAMING DETAILS

MECHANICAL

OPTIONS	SHEET NUMBER	SHEET TITLE
FLOOR PLANS	☒ M1.0	TYPICAL REFLECTED CEILING PLAN
	☒ M1.0A-A	TYPICAL REFLECTED CEILING PLAN BUILDING C
	☒ M1.0B-A	TYPICAL REFLECTED CEILING PLAN BUILDING D
	☒ M1.0C-A	TYPICAL REFLECTED CEILING PLAN BUILDING E
	☒ M1.0D-A	TYPICAL REFLECTED CEILING PLAN BUILDING E
	☒ M1.0E-A	TYPICAL REFLECTED CEILING PLAN BUILDING F
	☒ M1.0F-A	TYPICAL REFLECTED CEILING PLAN BUILDING F
	☒ M1.1A	TYPICAL MECHANICAL PLAN OPTIONS
	☒ M1.1A-A	MECHANICAL PLAN OPTIONS - BUILDING C
	☒ M1.1B-A	MECHANICAL PLAN OPTIONS - BUILDING D
	☒ M1.1C-A	MECHANICAL PLAN OPTIONS - BUILDING E
	☒ M1.1D-A	MECHANICAL PLAN OPTIONS - BUILDING E
	☒ M1.1E-A	MECHANICAL PLAN OPTIONS - BUILDING F
	☒ M1.1F-A	MECHANICAL PLAN OPTIONS - BUILDING F
	☐ M1.1B	TYPICAL MECHANICAL PLAN OPTIONS
	☐ M1.1C	TYPICAL MECHANICAL PLAN OPTIONS
	☐ M1.2	OPTIONAL REFLECTED CEILING PLAN
	☐ M1.3	RESTROOM REFLECTED CEILING PLANS & OPTIONS
DETAILS	☒ M1.4	MECHANICAL DETAILS
	☐ M1.4A	MECHANICAL DETAILS
	☒ M1.5	MECHANICAL & CEILING DETAILS
	☒ M1.5A	MECHANICAL & CEILING DETAILS
	☒ M1.6	MECHANICAL ROOF DETAILS
	☐ M1.6A	MECHANICAL ROOF DETAILS
MISCELLANEOUS	☒ M1.7	CEILING NOTES & SPECIFICATIONS
	☒ M1.7A	MECHANICAL NOTES & SCHEDULES

ELECTRICAL

OPTIONS	SHEET NUMBER	SHEET TITLE
FLOOR PLANS & DETAILS	☒ E1.0	TYPICAL ELECTRICAL PLAN
	☒ E1.0A-A	ELECTRICAL PLAN & NOTES BUILDING C
	☒ E1.0B-A	ELECTRICAL PLAN & NOTES BUILDING D
	☒ E1.0C-A	ELECTRICAL PLAN & NOTES BUILDING E
	☒ E1.0D-A	ELECTRICAL PLAN & NOTES BUILDING E
	☒ E1.0E-A	ELECTRICAL PLAN & NOTES BUILDING F
	☒ E1.0F-A	ELECTRICAL PLAN & NOTES BUILDING F
	☐ E1.1	RESTROOM OPTIONS ELECTRICAL PLANS
	☒ E1.2	ELECTRICAL NOTES & DETAILS
	☒ E1.2A-A	ELECTRICAL NOTES & DETAILS
	☒ E1.2B-A	ELECTRICAL NOTES & DETAILS
	☐ E1.3	OPTIONAL SUNSHADE SOLAR PANEL PLAN & ATTACHED DETAILS

PLUMBING

OPTIONS	SHEET NUMBER	SHEET TITLE
FLOOR PLAN & DETAILS	☒ P1.0	RESTROOM OPTIONS PLUMBING PLAN & FIXTURE SCHEDULE
	☒ P1.0A-A	RESTROOM OPTIONS PLUMBING PLAN BUILDING D
	☒ P1.0B-A	RESTROOM OPTIONS PLUMBING PLAN BUILDING F
	☒ P2.0	PLUMBING DETAILS & ACCESSIBLE DETAILS
	☒ P3.0	PLUMBING ISOMETRIC

FIRE SPRINKLERS

OPTIONS	SHEET NUMBER	SHEET TITLE
FLOOR PLAN & DETAILS	☒ FS-1	FIRE SPRINKLER COVER SHEET
	☒ FS-2	BUILDINGS C & D FIRE SPRINKLER PLAN
	☒ FS-3	BUILDINGS E & F FIRE SPRINKLER PLAN
	☒ FS-4	FIRE SPRINKLER SITE PLAN

SHEET COUNT
145

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT

COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD
RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-27

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY:	AV
SCALE:	AS NOTED
DATE:	11/21/25
PROJECT NO:	1902-24

SHEET TITLE:
SHEET INDEX

SHEET NUMBER:
TS-2A

AUTHORIZED USE: ALL INFORMATION INCLUDED ON THIS SHEET (FORM DSA-103) IS FOR THE SOLE PURPOSE OF RECEIVING DSA APPROVAL AND ISSUANCE OF A PC NUMBER. NO OTHER USE IS AUTHORIZED WITHOUT THE EXPRESS WRITTEN CONSENT OF AMERICAN MODULAR SYSTEMS, INC.

Additional Information for PC designs only, not to be added to DSA-103:

	STOCKPILE	CONSTRUCTION OF PERMANENT MODULAR OR RELOCATABLE BUILDING	RELOCATION OF CERTIFIED RELOCATABLE BUILDING
INSPECTOR CLASS (minimum requirements)	RBIP or Class 1	In Plant: RBIP or Class 1 Site: Class 4 for Single Story	Class 4 for Single Story Class 2 for Two Story
Selection of the Project Inspector and Testing/Special Inspection Agency	by the Owner (not manufacturer) and approved by DSA, A/E of Record and Structural Engineer	by the School District and approved by DSA and A/E responsible for in-plant construction observation.	by the Owner (not manufacturer) and approved by DSA, A/E of Record and Structural Engineer
Cost of the Project Inspector (CAC, Section 4-333(b)) and Testing/Special Inspection Agency (CAC, Section 4-335(b))	by the Owner (not manufacturer)	by the School District	

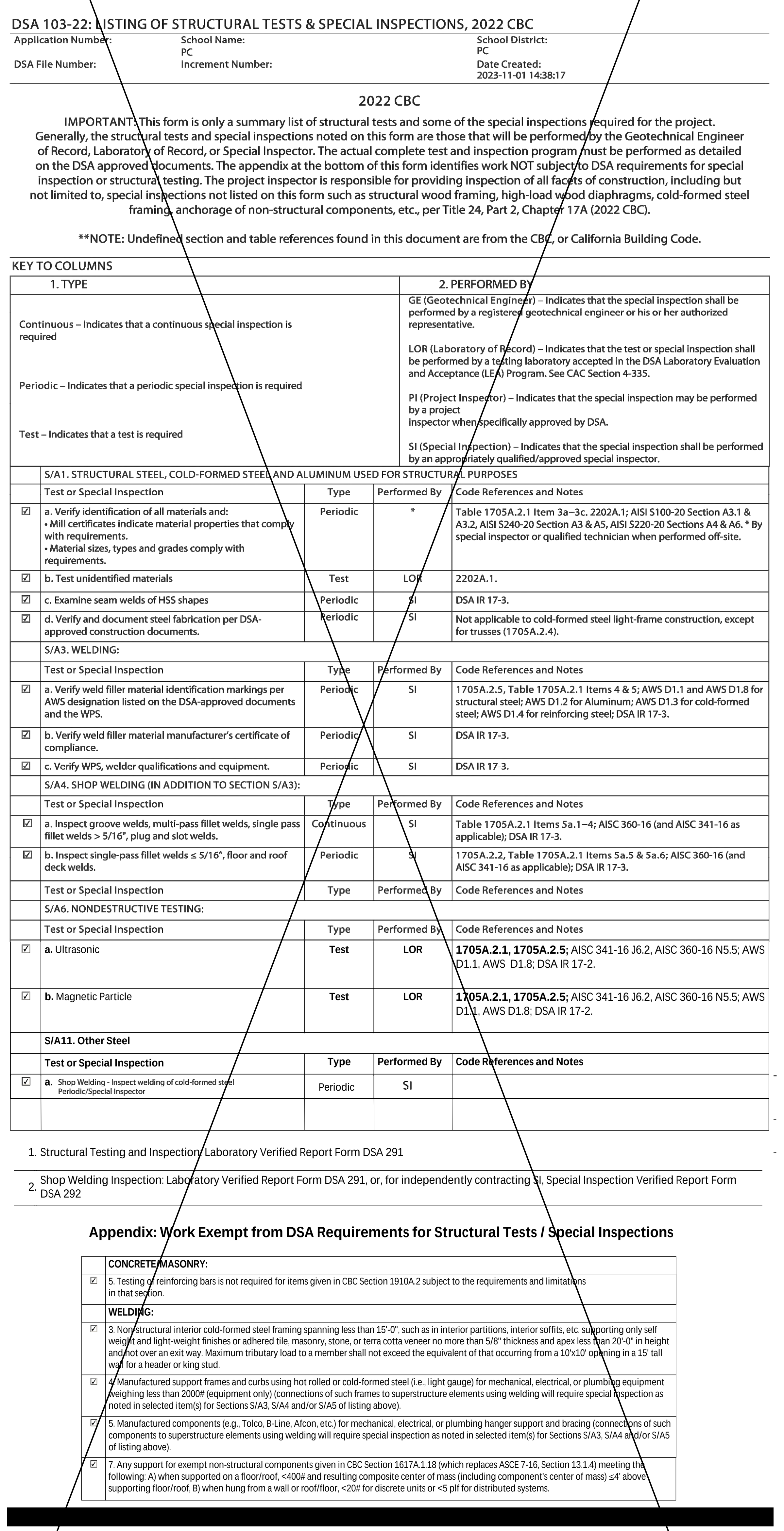
NOTES:
NOTE 1: REINFORCING STEEL TESTS MAY BE WAIVED FOR ONE-STORY BUILDINGS, PER CBC, SECTION 1910A.2 (1909.2.4*).
NOTE 2: REQUIRED ONLY WHERE THE DETAILS OF THE PC SPECIFY THE USE OF THIS TYPE OF ANCHOR.
NOTE 3: REQUIRED ONLY WHERE THE DETAILS OF THE PC SPECIFY THIS WELDING.
NOTE 4: THESE TESTS AND INSPECTIONS ARE APPLICABLE ONLY WHEN A GEOTECHNICAL REPORT IS REQUIRED.
NOTE 5: WOOD FOUNDATIONS ARE NOT PERMITTED FOR PERMANENT MODULAR BUILDINGS PER CBC SECTION 1807A.1.4.

*INDICATES ALTERNATIVE CBC SECTIONS THAT COMMUNITY COLLEGES MAY USE PER CBC SECTION 1.9.2.2.

FOOTNOTES

1. WAIVER OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.1 AND DSA IR 17-13)
   A. CONTINUOUS BATCH PLANT INSPECTION MAY BE WAIVED IF THE CONCRETE PLANT COMPLIES FULLY WITH ASTM C94, SECTION 9 AND 10, AND HAS A CURRENT CERTIFICATION FROM THE "NATIONAL READY MIXED CONCRETE ASSOCIATION" OR ANOTHER AGENCY ACCEPTABLE TO THE ENFORCEMENT AGENCY. THE CERTIFICATION SHALL INDICATE THAT THE PLANT HAS AUTOMATIC BATCHING AND RECORDING CAPABILITIES.
   B. IF THE BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS a) THRU c) SHALL BE MET:
      a) AN APPROVED AGENCY OR CERTIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT START OF WORK DAY TO VERIFY MATERIALS AND PROPORTIONS CONFORM TO THE APPROVED MIX DESIGN.
      b) THE LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
      c) BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD PRIOR TO CONCRETE PLACEMENT.
2. ELIMINATION OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.2):
   A. BATCH PLANT INSPECTION IS NOT REQUIRED FOR ANY OF THE FOLLOWING CONDITIONS:
      a) SITE FLATWORK,
      b) UNENCLOSED SITE STRUCTURES, INCLUDING BUT NOT LIMITED TO LUNCH OR CAR SHELTERS, BLEACHERS, SOLAR STRUCTURES, FLAG OR LIGHT POLES, OR RETAINING WALLS,
      c) CONTROLLED LOW-STRENGTH MATERIAL BACKFILL, OR
      d) SINGLE STORY RELOCATABLE BUILDINGS LESS THAN 2,160 SQUARE FEET.
3. PER CBC 1910A.2, TESTING OF REINFORCING MAY BE WAIVED FOR ONE-STORY BUILDINGS IF A CERTIFIED MILL TEST REPORT IS PROVIDED.
4. REQUIRED ONLY WHERE DETAILS SPECIFY THE USE OF POST-INSTALLED CONCRETE ANCHORS.
5. NOT USED
6. THE APPENDIX TO DSA-103 SHALL BE COMPLETED BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
7. ULTRASONIC TESTING PER DSA IR-PC2 SECTION 10.1 SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEET S5.1 HAVE A THICKNESS OF $\frac{5}{16}$" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. NONDESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION WELDS AT GRAVITY CONNECTIONS SHALL COMPLY WITH AISC 360, CHAPTER N, PER 2022 CBC 1705A.2.1.
8. EXAMPLE DSA-103 FORMS WILL BE USED AS GUIDE TO DEVELOP A SITE-SPECIFIC DSA-103 FORM FOR THE SITE-SPECIFIC PROJECT. EXAMPLE FORMS ON THE PC DRAWINGS WILL BE CROSSED OUT WHEN SITE-SPECIFIC DSA-103 FORMS ARE PROVIDED DURING OTC REVIEW.
9. QUALIFIED REPRESENTATIVE OF LABORATORY OF RECORD OR APPROVED SPECIAL INSPECTOR SHALL VERIFY ALL STEEL IDENTIFICATION PER 2022 CBC 2202A.1 AND DSA IR 17-3 STRUCTURAL WELDING INSPECTION.

72' x 40' BUILDING FLOOR PLAN



DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:
School Name: PC
School District: PC
DSA File Number:
Increment Number:
Date Created: 2023-11-01 14:38:17

2022 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 (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required Periodic – Indicates that a periodic special inspection is required Test – Indicates that a test is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

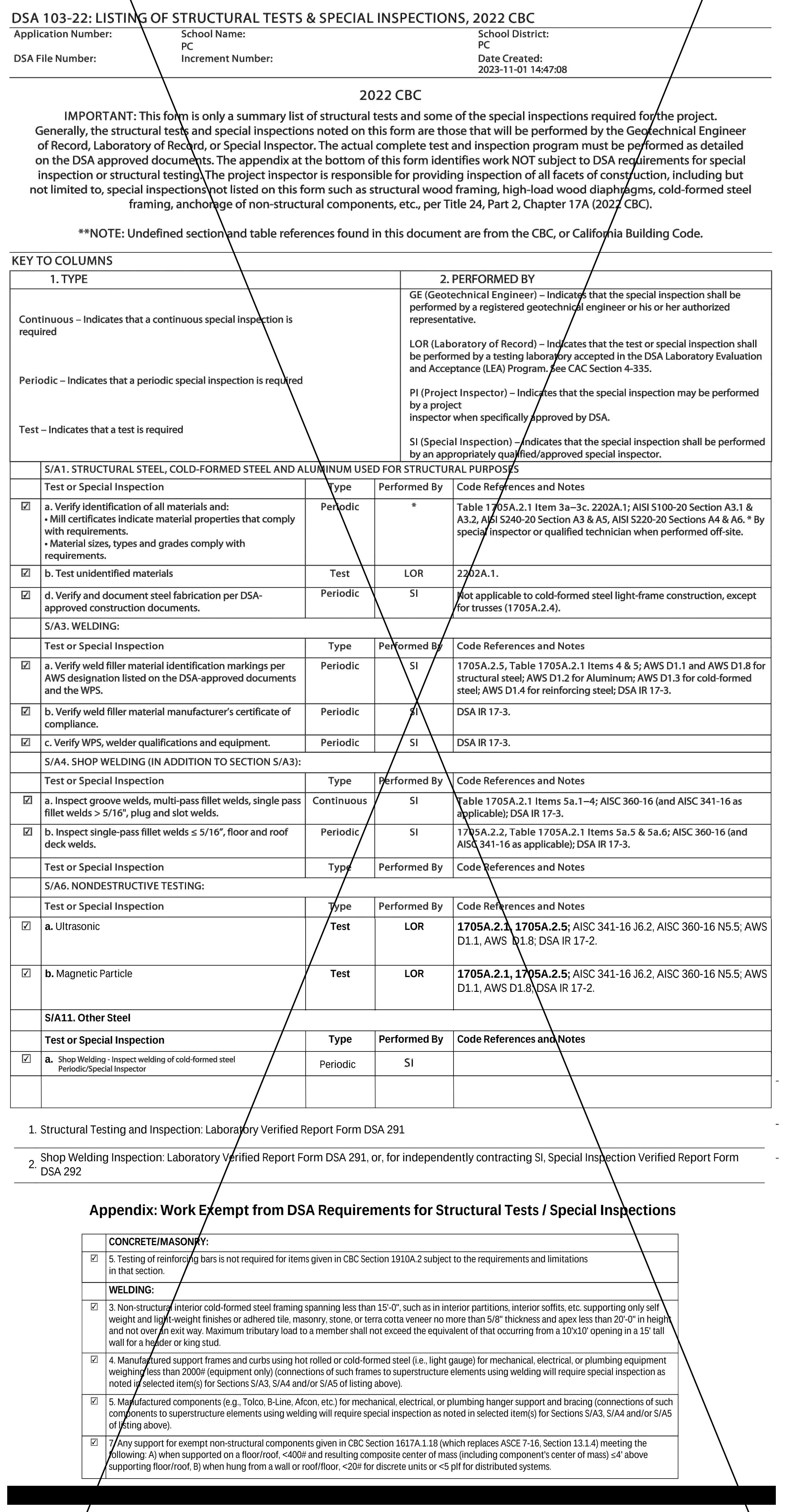
	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2202A.1.
☑	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
	S/A3. WELDING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☑	**b.** Magnetic Particle	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
	S/A11. Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Shop Welding - Inspect welding of cold-formed steel Periodic/Special Inspector	Periodic	SI	

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

	CONCRETE/MASONRY:
☑	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.
	WELDING:
☑	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☑	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

☐ STOCKPILE WOOD FLOOR



DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:
School Name: PC
School District: PC
DSA File Number:
Increment Number:
Date Created: 2023-11-01 14:47:08

2022 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 (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required Periodic – Indicates that a periodic special inspection is required Test – Indicates that a test is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2202A.1.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
	S/A3. WELDING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☑	**b.** Magnetic Particle	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
	S/A11. Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Shop Welding - Inspect welding of cold-formed steel Periodic/Special Inspector	Periodic	SI	

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

	CONCRETE/MASONRY:
☑	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.
	WELDING:
☑	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☑	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

☐ STOCKPILE CONCRETE FLOOR

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT

COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 05/14/2024

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:
FORM
DSA-103

SHEET NUMBER:
D1

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:	School Name: PC	School District: PC
DSA File Number:	Increment Number:	Date Created: 2023-11-01 15:01:26

2022 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 (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.
Test – Indicates that a test is required	PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	S1. GENERAL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	See Notes	PI	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.
	S2. SOIL COMPACTION AND FILL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	b. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
☑	b. Identifiy, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (f'_c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
☑	e. Batch plant inspection: Continuous	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 IR 17-13. (See Appendix (end of this form) for exemptions.)
	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2202A.1.
☑	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
	S/A3. WELDING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16”, floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	b. Inspect single-pass fillet welds ≤ 5/16”.	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☑	**b.** Magnetic Particle	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
	S/A11. Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Shop Welding - Inspect welding of cold-formed steel Periodic/Special Inspector	Periodic	SI	

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

	CONCRETE/MASONRY:
☑	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.
	WELDING:
☑	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☑	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

☐ CONSTRUCTION OF PERMANENT MODULAR RELOCATABLE BUILDING - WOOD FLOOR / CONCRETE FOUNDATION

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:	School Name: PC	School District: PC
DSA File Number:	Increment Number:	Date Created: 2023-11-01 15:07:53

2022 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 (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.
Test – Indicates that a test is required	PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	S2. SOIL COMPACTION AND FILL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	b. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
☑	b. Identifiy, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (f'_c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
☑	e. Batch plant inspection: Continuous	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 IR 17-13. (See Appendix (end of this form) for exemptions.)
	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	Test	LOR	2202A.1.
☑	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
	S/A3. WELDING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16”, floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	b. Inspect single-pass fillet welds ≤ 5/16”.	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	**a.** Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☑	**b.** Magnetic Particle	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
	S/A11. Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Shop Welding - Inspect welding of cold-formed steel Periodic/Special Inspector	Periodic	SI	

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

	CONCRETE/MASONRY:
☑	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.
	WELDING:
☑	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☑	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

☒ CONSTRUCTION OF PERMANENT MODULAR RELOCATABLE BUILDING - CONCRETE FLOOR / CONCRETE FOUNDATION

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:	School Name: PC	School District: PC
DSA File Number:	Increment Number:	Date Created: 2023-11-01 15:11:51

2022 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 (2022 CBC).

**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.
Test – Indicates that a test is required	PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	S2. SOIL COMPACTION AND FILL:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	b. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify use of required design mix.	Periodic	SI	Table 1705A.3 Item 5, 1910A.1.
☑	b. Identifiy, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.
☑	d. Test concrete (f'_c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.
☑	e. Batch plant inspection: Continuous	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 IR 17-13. (See Appendix (end of this form) for exemptions.)
	S/A3. WELDING:			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	Periodic	SI	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	Type	Performed By	Code References and Notes
☑	b. Inspect single-pass fillet welds ≤ 5/16”.	Periodic	SI	Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
3. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

	CONCRETE/MASONRY:
☑	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.
	WELDING:
☑	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☑	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☑	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

☐ RELOCATION OF CERTIFIED RELOCATABLE BUILDING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

AMS®
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1	
2	
3	
4	

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:
FORM
DSA-103

SHEET NUMBER:
D2

SECTION 1 GENERAL REQUIREMENTS

1. GENERAL
    - A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
    - B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE RDPRC.
    - C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS, 2022 C.B.C. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE RDPRC.
    - D. THE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
    - E. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. IN THE EVENT OF A CONFLICT, THE RDPRC SHALL BE NOTIFIED IMMEDIATELY. DRAWING SCALES GIVEN ARE APPROXIMATE - DO NOT SCALE PLANS OR DETAILS.
2. SCOPE OF WORK
    - A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
    - B. ALL REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA, CODE OF REGULATIONS, RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
        1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION TO BE PROVIDED BY THE RDPRC.
        2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
        3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
        4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
        5. ADDENDUMS SHALL BE SIGNED BY THE RDPRC & APPROVED BY D.S.A.
        6. CHANGES TO CONSTRUCTION DOCUMENT AFFECTING ACS, FLS & SSS SHALL BE SIGNED BY THE OWNER & THE RDPRC & APPROVED BY D.S.A. PRIOR TO COMMENCING WORK. CHANGES TO THE CONSTRUCTION COST ARE REPORTED TO D.S.A. USING FORM DSA-168 AT THE CONCLUSION OF THE PROJECT.
        7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
        8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE RDPRC/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
        9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
        10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
        11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
        12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
        13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", SHEET N2.0. FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
        14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQUIRED BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

SECTION 2 FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING FOR CONCRETE FOUNDATIONS EMBEDDED 12" MINIMUM BELOW GRADE:
    - A. DEAD+LIVE LOAD: 1,500 PSF.
    - B. DEAD+LIVE+LATERAL LOAD: 2,000 PSF (PC FOUNDATIONS DESIGNED USING ALTERNATIVE ALLOWABLE STRESS DESIGN LOAD COMBINATIONS PER CBC SECTION 1605A.2)
2. FOOTINGS SHALL BE SUPPORTED ON UNDISTURBED, NON-ORGANIC, FIRM, NATIVE SOIL OR APPROVED COMPACTED FILL. EXPANSIVE, ORGANIC, LOOSE OR SOFT SOILS SHALL NOT BE UTILIZED FOR SUPPORT OF FOOTINGS. AMS AND THE RDPRC ARE NOT RESPONSIBLE FOR THE EFFECTS DUE TO EXPANSIVE SOILS OR SETTLEMENT DUE TO ORGANIC, LOOSE OR SOFT SOILS. IT IS THE OWNER'S RESPONSIBILITY TO INSURE COMPLIANCE WITH THESE REQUIREMENTS.
3. EXCAVATIONS SHALL BE CLEANED OF ALL DEBRIS AND LOOSE SOIL AND STANDING WATER SHALL BE REMOVED PRIOR TO CONCRETE PLACEMENT.
4. WORK NOT INCLUDED:
    - A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
    - B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
    - C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM, UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
5. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
6. ACCESSIBILITY OF SITE: THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 3 CONCRETE

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-19.
2. THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS:

   FOUNDATIONS...PER SHEET N1.0A (150 PCF)
   FOUNDATION VENTS & ACCESS WELLS...................PER SHEET N1.0A (150 PCF)
   CONCRETE OVER METAL DECK.................................3000 PSI (110 PCF)*
   *IF THE EQUILIBRIUM DENSITY OF THE CONCRETE MIX DESIGN EXCEEDS 110 PCF AS TESTED PER ASTM C567, THEN TEMPORARY MID-SPAN SHORING IS REQUIRED DURING CONCRETE PLACEMENT. THE CONCRETE EQUILIBRIUM DENSITY SHALL NOT EXCEED 120 PCF.
3. THE MAXIMUM WATER TO CEMENT (W/C) RATIO SHALL BE PER SHEET N1.0A FOR FOUNDATIONS AND 0.45 FOR CONCRETE OVER METAL DECK SLABS.
4. CONCRETE SLUMP SHALL BE 4" ± 1" PRIOR TO ADDING ANY WATER REDUCING ADMIXTURES. CONCRETE SLUMP SHALL NOT EXCEED 8"± 1 ½" WHEN USING A WATER REDUCING ADMIXTURE.
5. CEMENT SHALL CONFORM TO ASTM C150. CEMENT TYPE SHALL BE PER SHEET N1.0A FOR FOUNDATIONS, TYPE I OR II FOR CONCRETE OVER METAL DECK SLABS.
    - A. FLY ASH SHALL CONFORM TO ASTM C618 CLASS 'F' OR 'N' AND SHALL NOT EXCEED 25% CEMENT REPLACEMENT BY WEIGHT.
    - B. SLAG CEMENT SHALL CONFORM TO ASTM C989, GRADE 100 OR 120 AND SHALL NOT EXCEED 50% CEMENT REPLACEMENT BY WEIGHT.
    - C. COMBINATION OF FLY ASH & SLAG CEMENT SHALL NOT EXCEED 50% CEMENT REPLACEMENT BY WEIGHT.
6. CONCRETE AGGREGATES:
    - A. NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33.
    - B. LIGHTWEIGHT AGGREGATE SHALL CONFORM TO ASTM C330.
    - C. MAX AGGREGATE SIZE SHALL BE 1"±1/4" FOR NORMAL WT. CONCRETE EXCEPT 3/8" OR 1/2" MAX MAY BE USED FOR FOUNDATION VENTS & ACCESS WELLS.
    - D. MAX AGGREGATE SIZE SHALL BE 3/8" OR 1/2" FOR LIGHT WT. CONCRETE.
7. REINFORCING SHALL CONFORM TO ASTM A615-GRADE 60, UNLESS OTHERWISE NOTED.

CONCRETE continued

8. CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON DRAWINGS:

   CONCRETE DIRECTLY AGAINST GROUND (EXCEPT SLABS) ....3"
   CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS ....2"
   SLABS (ON GROUND) ....POSITION IN CENTER OF SLAB
9. ALL BARS SHALL HAVE A CLASS B MINIMUM LAP SPLICE PER DETAILS 6 & 9/S1.4 AND SPLICES IN ADJACENT BARS SHALL BE STAGGERED, U.N.O.
10. REINFORCING BARS SHALL NOT BE WELDED UNLESS SPECIFICALLY DETAILED IN THE APPROVED DRAWINGS. BARS DETAILED TO BE WELDED SHALL BE ASTM A706 BARS AND WELDING ELECTRODES SHALL BE E80XX. WELDING SHALL CONFORM WITH AWS D1.4-2018 AND SHALL BE CONTINUOUSLY INSPECTED.
11. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND SHALL BE LAP SPLICED TWO SQUARES MINIMUM EACH DIRECTION.
12. CHEMICAL ADMIXTURES SHALL CONFORM TO ASTM C494 AND SHALL NOT CONTAIN CALCIUM CHLORIDE.
13. AIR-ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260.
14. NON-SHRINK GROUT: ASTM C1107, 5000 PSI MIN AT 7 DAYS.
15. HEADED ANCHOR BOLTS AND THREADED ANCHOR RODS: ASTM F1554, GRADE 55 (F_y= 55 KSI), TYP UNO.
16. NOTIFY THE RDPRC PRIOR TO PLACING CONCRETE.

SECTION 5 STEEL

1. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-16 AND TITLE 24 OF CALIFORNIA CODE OF REGULATIONS SECTION 2212A.1.2. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
    - A. FABRICATION AND ERECTION SHALL COMPLY WITH AISC 360-16 CHAPTER 'M' AND AISC 341-16 CHAPTER 'I'.
2. WELDING - ALL WELDING SHALL COMPLY WITH THE REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTION 1705A.2.5. WELDING ELECTRODE SHALL BE E70XX. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS AT ZERO DEGREES F AND COMPLYING WITH AWS D1.8-2016. SECTION 6.1.
3. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:
    - A. WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A529, GRADE 50, TYP. U.N.O.
    - B. STRUCTURAL STEEL CHANNELS SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O. WHERE DRAWINGS SPECIFY 50 KSI, CHANNELS SHALL CONFORM TO ASTM A572, GR. 50 ASTM A529, GR. 50 OR ASTM A992, GR 50. NOTE: ASTM A572, GR. 50, ASTM A529, GR. 50 OR ASTM A992, GR. 50. MAY BE SUBSTITUTED FOR ASTM A36 (36 KSI).
    - C. PIPE COLUMNS SHALL CONFORM TO ASTM A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05% TYP. U.N.O.
    - D. STRUCTURAL STEEL TUBING (HSS) FOR STEEL MOMENT FRAME COLUMNS PER SHEET S5.0 SHALL CONFORM TO ASTM A1085 U.N.O. ALL OTHER STEEL TUBING (HSS) MAY CONFORM TO ASTM A500 GRADE B OR C OR ASTM A1085, TYP UNO.
    - E. STEEL PLATES, ANGLES, BARS AND MISC. SHAPES SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O. WHERE DRAWINGS SPECIFY 50 KSI, STEEL SHALL CONFORM TO ASTM A572, GR. 50, ASTM A529, GR. 50 OR ASTM A992, GR. 50. NOTE: ASTM A572, GR. 50, ASTM A529, GR. 50 OR ASTM A992, GR. 50. MAY BE SUBSTITUTED FOR ASTM A36 (36 KSI).
4. ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
5. BOLTS, SCREWS, NUTS, ETC.:
    - A. BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR BOLTS THRU STEEL TO BE DRILLED, OR TORCHED PILOT HOLE AND REAMED TO DIAMETER OF BOLT +1/16" UNLESS OTHERWISE NOTED. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
    - B. BOLTS AND NUTS FOR EXTERIOR WORK SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329.
    - C. SEE "FASTENERS FOR ATTACHMENT TO STEEL" ON SHEET N2.0 FOR SHOT PINS & SCREWS.
6. HANDRAILS - FABRICATED, AS DETAILED, NON-FILLET WELDS GROUND SMOOTH.
7. SHOP PAINT
    - A. SHOP PAINT SHALL COMPLY WITH AISC 360-16, SECTION M3.
    - B. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
    - C. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS. REFERENCE TO AISC 360-16 §M3
8. TESTS
    - A. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER TITLE-24 PART 2, CCR SECTION 1705A.2 & 2202A.

SECTION 6 CARPENTRY

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.
2. MATERIALS
   LUMBER GRADE MARKED IN ACCORDANCE WITH AN APPROVED GRADING AGENCY PER DOC PS20-05 INCLUDING "STANDARD GRADING AND DRESSING RULES NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "WESTERN LUMBER GRADING RULES", LATEST EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION. OSB OR PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-19, PS 2-18, OR PRP-108 FOR SOFTWOOD OSB OR PLYWOOD, OF THE AMERICAN PLYWOOD ASSOCIATION (APA). EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO. MOISTURE CONTENT SHALL NOT EXCEED 19%.
    - A. JOISTS, HEADERS, PLATES, STUDS: DOUGLAS FIR S4S #2 OR HEM FIR S4S #2 MINIMUM, U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
    - B. PSL HEADERS: TRUS JOIST PARALLAM PSL BY WEYERHAEUSER (ICC ESR-1387) OR EQUIV. MEETING THE FOLLOWING STRUCTURAL PROPERTIES:

BEAMS ≤ 7" DEEP & COLUMNS	BEAMS ≥ 9¼" DEEP
F_b = 2400 PSI MIN.	F_b = 2900 PSI MIN.
F_v = 190 PSI MIN.	F_v = 290 PSI MIN.
E = 1.8E6 PSI MIN.	E = 2.0E6 PSI MIN.

    - C. POSTS AND TIMBERS: DOUGLAS FIR S4S #1 OR HEM FIR S4S #1 MIN.
    - D. BLOCKING: DOUG FIR #3, OR HEM FIR #3, OR STD. & BET.
    - E. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH: DOUG FIR #2 OR HEM FIR #2 MIN. PRESSURE TREATED IN ACCORDANCE WITH CBC 2304.12.1. EACH PIECE SHALL BEAR AWPA STAMP. AWPA STANDARD U1 & T1 GROUND CONTACT, D.F. (OR H.F.) #2 ABOVE GROUND.
    - F. MOISTURE BARRIER: KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, CBC SECTION 1403.2. & ASTM D226, TYPE I.
    - G. STUDS - S4S DOUG FIR #2 OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
    - H. FASTENERS - EXTERIOR USE FASTENERS EXPOSED TO THE OUTSIDE ENVIRONMENT (INCLUDING FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS) SHALL BE CORROSION RESISTANT IN ACCORDANCE WITH C.B.C. SECTION 2304.10.2.1.
    - I. BUILDING TRIM - 2x RESAWN SELECT D.F., H.F., OR CEDAR.
    - J. DOOR/WINDOW TRIM - 1x4 RESAWN D.F., H.F., OR CEDAR.
    - K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
    - L. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 718.2
    - M. ALL NAILS SHALL BE COMMON NAILS PER ASTM F1667 UNLESS OTHERWISE NOTED.
    - N. ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
    - O. ALL BOLTS AND LAG SCREWS SHALL COMPLY WITH THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI\AWC NDS-2018).

CARPENTRY continued

- P. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16".
- Q. HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER AND DEPTH AS THE SHANK. THE REMAINDER OF THE HOLE SHALL BE 40% TO 70% OF THE SHANK DIAMETER.
- R. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD.

3. WORKMANSHIP
    - A. FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
    - B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.10.2.
    - C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
    - D. ALL FASTENERS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE HOT DIPPED GALVANIZED.
    - E. MACHINE APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE RDPRC AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" OSB. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
    - F. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
    - G. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7A SHEET METAL (NON-STRUCTURAL)

1. SCOPE OF WORK

   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS
    - A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A653 MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
    - B. SOLDER - OF STAND, GRADE "A" OF EQUAL PARTS, ARD BRAND, LEAD AND TIN ASTM B32.
    - C. FLUX - ZINC SATURATED MURIATIC ACID.
    - D.

GUTTERS:	26 GA. G-90 GALV. STEEL
DOWNSPOUTS:	2"x3" CONVOLUTED 30 GA. G-90 GALV. STEEL
GUTTER ENDCAPS:	26 GA. G-90 GALV. STEEL
GUTTER CLIPS:	18 GA. G-90 GALV. STEEL
FLASHING:	22 GA. G-90 GALV. STEEL U.O.N.

    - E. FASTENERS:
      SELF-DRILLING OR SELF-TAPPING SHEET METAL SCREWS.
      LENGTH TO HAVE (3) EXPOSED THREADS MIN.
3. WORKMANSHIP
   SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7B METAL ROOFING

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING.
2. MATERIALS
    - A. ROOF SHALL BE CONSTRUCTED OF 3" STANDING SEAM INTERLOCKING (UN-PENETRATED) STEEL SHEETS.
    - B. PROPERTIES INCLUDING THICKNESS SHALL BE PER SHEET S0.0.
    - C. BASE MATERIAL SHALL BE EITHER ASTM A1011 SS, GRADE 36 (Fy = 36 KSI) OR ASTM A653 SS, GRADE 37 (Fy = 37 KSI) AND SHALL BE GALVANIZED WITH G90 GALVANIZATION.
    - D. SHEETS MAY BE PAINTED.
    - E. CLASS A.
    - F. CLIP ANGLES SHALL BE HOT-DIPPED GALVANIZED.
    - G. FASTENERS SHALL BE EXTERIOR USE SCREWS WITH A CORROSION PROTECTIVE COATING PER THE "FASTENERS FOR ATTACHMENT TO STEEL" SECTION ON SHEET N2.0. ALL SCREWS USED FOR METAL ROOFING ATTACHMENT SHALL HAVE A NEOPRENE OR EPDM WASHER.

SECTION 7C SEALANT

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
2. MATERIALS
   VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
    - A. SEALANT V.O.C. LIMITS PER SCAQMD RULE 1168 (AS SHOWN IN TITLE 24, PART 11, TABLE 5.504.4.1 AND TABLE 5.504.4.2)
3. WORKMANSHIP
   SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION 7D SINGLE-PLY ROOFING

~~1. SCOPE OF WORK~~

~~2. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO INSTALL SINGLY-PLY OR BUILT-UP ROOFING. THE ROOFING SYSTEM SHALL WITHSTAND THE UPLIFT OF 100 MPH BASIC WIND SPEED.~~

~~3. MATERIALS~~
~~MEMBRANE: PVC FILM LAMINATED TO BOTH SIDES OF A REINFORCEMENT FABRIC, OR EQUIV. - PROPRIETARY THERMOPLASTIC PVC FORMULATION OF RESINS, PLASTICIZERS, STABILIZERS, BIOCIDES, FLAME RETARDANTS, AND U.V. ABSORBENTS. CLASS A.~~

~~A. WOOD NAILERS MUST BE A #2 GRADE LUMBER, OR EQUIVALENT, TO SUBSTRATE.~~

~~3. WORKMANSHIP~~
~~MEMBRANE APPLIED ON SUBSTRATES THAT ARE DRY, CLEAN, AND FREE OF FINS, SHARP EDGES AND LOOSE, FOREIGN MATERIALS, WHEREVER INDICATED ON DETAILS. AN INSULATION OR SLIP SHEET HAVING AN APPROVED FACER MUST BE USED WHEN ROOFING OVER ASPHALT OR COAL TAR ROOFS.~~

~~4. TESTING:~~

~~A. MEMBRANE SHALL BE DESIGNED TO PERFORM IN ALL TYPES OF WEATHER AND SHALL COMPLY TO ASTM D-2136 TESTING METHODS.~~

~~B. MEMBRANE SHALL BE DESIGNED IN ACCORDANCE TO ASTM D-4434 "STANDARD SPECIFICATIONS FOR POLY (VINYL CHLORIDE) SHEET ROOFING" AND BE CLASSIFIED AS A TYPE IV, INTERNALLY REINFORCED SHEET.~~

SECTION 8 HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
2. MATERIALS
    - A. DOORS - INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1-3/4" THICK PER CS242 MIN, REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
    - B. FRAMES - 16 GA COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR, EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
3. WORKMANSHIP
   ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION, DOORS AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 9A STUCCO (EXTERIOR PORTLAND CEMENT PLASTER)

LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER, PER C.B.C 2507.1.

LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN C.B.C. TABLE 2507.2 AND CHAPTER 35, AND, WHERE REQUIRED FOR FIRE PROTECTION, SHALL ALSO CONFORM TO THE PROVISIONS OF CHAPTER 7.

GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS LISTED IN C.B.C. TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASSEMBLED AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN TABLES 2508.1 AND 2511.1, AND CHAPTER 35 (PER 2508.1).

WATER-RESISTIVE BARRIERS SHALL BE IN ACCORDANCE WITH C.B.C. SECTION 2510.6. WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED PER SECTION 1404.2, AND WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE D PAPER.

EXCEPTION: WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN THAT 60-MINUTE GRADE D PAPER COMPLYING WITH ASTM E 2556, TYPE II AND IS SEPARATED FROM THE STUCCO BY AN INTERVENING, SUBSTANTIALLY NONWATER-ABSORBING LAYER OR DRAINAGE SPACE.

1. PLASTER NOTES: PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR GYPSUM BACKING AS SPECIFIED IN SECTION 2510.5.
    - A. THE FIRST COAT SHALL BE MIN. 3/8" THICK & APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE LATH. THE SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND TO RECEIVE THE SECOND COAT.
    - B. THE SECOND COAT SHALL BE BROUGHT OUT TO MIN. 3/8" THICKNESS, RODDED AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FOR THE FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREATER TO THAN 1/4 INCH (6.4 mm) IN ANY DIRECTION UNDER 5-FOOT STRAIGHT EDGE.
    - C. THE FINISH COATS SHALL BE MIN. 1/8" THICK & APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 926. THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE OF SUFFICIENT THICKNESS TO CONCEAL THE BROWN COAT.

SECTION 9B PAINTS & COATINGS

1. SCOPE OF WORK.
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
2. MATERIALS
    - A. FOR EXTERIOR WOOD:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54WZ102	GE2-NXX

    - B. FOR INTERIOR TRIM:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX

    - C. FOR METAL:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

    - D. INTERIOR PAINT & COATINGS SHALL COMPLY WITH TITLE 24, PART 11, "CAL-GREEN" SECTION 5.504.4.3, AND V.O.C. LIMITS PER TABLE 5.504.4.3.
3. WORKMANSHIP
   ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS AND METAL ROOFING. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
    - A. EXTERIOR WOOD SIDING, TRIM AND SKIRTING - FLAT OR SEMI-GLOSS LATEX. APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
    - B. INTERIOR TRIM - TRIM NOT PRE-COATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
    - C. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
    - D. METAL - ALL UNGALVANIZED METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
    - E. RAMP - ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST, OR EQUAL.
    - F. SUBMIT ONE SET OF COLOR SAMPLES TO THE RDPRC FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 9C INTERIOR AIR QUALITY CONTROL

THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"):

1. ADHESIVES, SEALANTS, CAULKS SECTION 5.504.4.1
2. PAINTS, COATINGS SECTION 5.504.4.3
3. AEROSOL PAINTS & COATINGS SECTION 5.504.4.3.1
4. CARPET SYSTEMS SECTION 5.504.4.4
    - A. CARPET SHALL MEET CRI'S "GREEN LABEL PLUS" PROGRAM, NSF/ANSI '140 GOLD' LEVEL, OR OTHER APPROVED TESTING PER 5.504.4.4.
5. CARPET CUSHION OR PAD SECTION 5.504.4.4.1
    - A. CUSHION/PAD SHALL MEET THE CRI'S "GREEN LABEL" PROGRAM.
6. CARPET ADHESIVE SECTION 5.504.4.4.2
    - A. ADHESIVES SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1.
7. COMPOSITE WOOD PRODUCTS SECTION 5.504.4.5
    - A. ALL COMPOSITE WOODS MUST NOT EXCEED THE FORMALDEHYDE LIMITS AS SPECIFIED IN ARB'S "AIR TOXICS CONTROL MEASURE" (17 CCR 93120), OR NON-EXEMPT MATERIALS PER TABLE 5.504.4.5.
8. RESILIENT FLOORING SYSTEMS SECTION 5.504.4.6
    - A. RESILIENT FLOORING SHALL BE CERTIFIED UNDER THE "FLOORSCORE" PROGRAM BY RFCI, COMPLY WITH CA-CHPS, OR OTHER APPROVED TESTING PER 5.504.4.6.
9. HVAC FILTER (MERV RATING OF 13 AND MINIMUM 2-INCH DEPTH) SECTION 5.504.5.3.1
    - A. SEE SHEET M1.7 FOR HVAC FILTER REQUIREMENTS

SECTION 13 SITE ASSEMBLY

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ASSEMBLY OF ELEMENTS
    - A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT, (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
    - B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
    - C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

SECTION 23 AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M1.7 FOR HVAC SPEC. AND NOTES)
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
2. EQUIPMENT
   SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
3. WORKMANSHIP
   UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 26 ELECTRICAL

1. SCOPE OF WORK
    - A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT, EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVACS).
    - B. PROVIDE CONDUIT WITH PULL STRINGS AND JUNCTION BOXES FOR AUTOMATIC DETECTION FIRE ALARM SYSTEM AND NOTIFICATION PER NFPA 72.
2. MATERIALS
   ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION.
    - A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX-GALV. STEEL WITH FACTORY APPLIED P.V.C. JACKET.
    - B. PANEL BOARDS - FLUSH MOUNTED.
    - C. CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE-#14.
    - D. RECEPTACLES - AS NOTED. +18" A.F.F. MIN. TO BOTTOM OF BOX
    - E. CLOCK RECEPTACLE - AS NOTED.
    - F. SWITCHES - AS NOTED. +48" A.F.F. MAX. TO TOP OF BOX
    - G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
3. WORKMANSHIP
   MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANEL BOARD CARDS SHALL BE FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION. BUILDING CONDUIT/WIRING FROM FACE OF BUILDING TO SITE TERMINATION BY SITE CONTRACTOR (N.I.C.). (FLEXIBLE CONDUIT S-BEND SEALTITE).

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS:

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN-PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE OF OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY, OR FROM THE STORAGE FACILITY TO THE SITE, THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM DSA 152-IPI).

A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
△1
△2
△3
△4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:
GENERAL NOTES
&
SPECIFICATIONS

SHEET NUMBER:
N1.0

☒ DEFAULT CONCRETE MIX DESIGN REQUIREMENTS FOR BELOW GRADE NORMAL WEIGHT CONCRETE(1)

	BELOW GRADE CONCRETE ELEMENT	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (f'_c) (PSI)	CEMENTITIOUS MATERIALS (CEMENT TYPE PER ASTM C150)	TARGET AIR CONTENT (%)		
					MAX AGGREGATE SIZE (IN)	☒ CONCRETE NOT EXPOSED TO FREEZE-AND-THAWING CYCLES	☐ CONCRETE EXPOSED TO FREEZE-AND-THAWING CYCLES
OPTION 1	FOUNDATIONS(2)	0.45	4500	V PLUS FLYASH OR SLAG CEMENT(3)	1" ± ¼"	N/A	6
	FOUNDATION VENTS & ACCESS WELLS	0.45	4500	V PLUS FLYASH OR SLAG CEMENT(3)	⅜"	N/A	7.5
					½"	N/A	7
					1" ± ¼"	N/A	6
OPTION 2	FOUNDATIONS(2)	0.40	5000	V(4)	1" ± ¼"	N/A	6
	FOUNDATION VENTS & ACCESS WELLS	0.40	5000	V(4)	⅜"	N/A	7.5
					½"	N/A	7
					1" ± ¼"	N/A	6

(1) PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.3
DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH AC1 318-19, SECTION 26.4.4.
CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.
SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS.

(2) FOUNDATIONS CONSERVATIVELY DESIGNED FOR A MINIMUM 28-DAY CONCRETE STRENGTH OF 3,500 PSI.

(3) PER ACI 318-19, TABLE 19.3.2.1, FOOTNOTE 7, THE AMOUNT OF THE SPECIFIC SOURCE OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT THAT HAS BEEN DETERMINED BY SERVICE RECORD TO IMPROVE SULFATE RESISTANCE WHEN USED IN CONCRETE CONTAINING TYPE V CEMENT. ALTERNATIVELY, THE AMOUNT OF THE SPECIFIC SOURCE OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT TESTED IN ACCORDANCE WITH ASTM C1012 AND MEETING THE CRITERIA IN ACI 318-19, SECTION 26.4.2.2(c).

(4) PER ACI 318-19, TABLE 19.3.2.1, FOOTNOTE 8, SULFATE RESISTENCE DETERMINDED IN ACCORDANCE WITH ASTM C452 SHALL NOT BE MORE THAN 0.040% EXPANSION AT 14 DAYS.

SHEET NOTES:

1. THE DEFAULT CONCRETE MIX DESIGN REQUIREMENTS MAY BE SELECTED AND USED TO DETERMINE THE CONCRETE MIX REQUIREMENTS FOR ANY SITE
2. THE DEFAULT CONCRETE MIX DESIGN REQUIREMENTS MAY BE SELECTED REGARDLESS OF WHETHER A SITE SPECIFIC GEOTECHNICAL REPORT EXISTS FOR THE SITE.
3. IF THE SITE CONDITIONS FOR THE SOIL ARE KNOWN AS REPORTED BY A GEOTECHNICAL OR OTHER APPROVED SOIL CONDITIONS REPORT, THE OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS MAY BE UTILIZED.
4. IF THE OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS ARE UTILIZED, THE REPORT MUST BE REFERENCED ON THE COVER SHEET OF THIS DRAWING PACKAGE.

☐ OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS FOR BELOW GRADE NORMAL WEIGHT CONCRETE(1)

(MOST RESTRICTIVE REQUIREMENTS FROM EXPOSURE TABLES BELOW)

BELOW GRADE CONCRETE ELEMENT	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (f'_C) (PSI)	CEMENTITIOUS MATERIALS (CEMENT TYPE PER ASTM C150)	MAX AGGREGATE SIZE (IN)	TARGET AIR CONTENT (%)	MAXIMUM WATER-SOLUBLE CHLORIDE ION (CI-) CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENT
FOUNDATIONS(2)				1" ± ¼"		
FOUNDATIONS VENTS & ACCESS WELLS				⅜"		
				½"		
				1" ± ¼"		

(1) PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.3
DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH AC1 318-19, SECTION 26.4.4.
CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.
SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS.

(2) FOUNDATIONS CONSERVATIVELY DESIGNED FOR A MINIMUM 28-DAY CONCRETE STRENGTH OF 3,500 PSI.

EXPOSURE CATEGORY: FREEZING & THAWING (F)

(AC1 318-19, SECTION 19.3)

EXPOSURE CLASS(1)		CONDITION	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (f'_c) (PSI)		AIR CONTENT	
				FOUNDATIONS	FOUNDATION VENTS & ACCESS WELLS	MAX. AGGREGATE SIZE (IN)(2)	TARGET AIR CONTENT (%)
☐	F0	CONCRETE NOT EXPOSED TO FREEZING-AND-THAWING CYCLES	0.55	3500	3000	N/A	
☐	F1	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH LIMITED EXPOSURE TO WATER	0.55	3500	3500	3/8	6
						1/2	5.5
						3/4	5
						1	4.5
						1 1/2	4.5
☐	F2	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER	0.45	4500	4500	3/8	7.5
						1/2	7
☐	F3	CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES WITH FREQUENT EXPOSURE TO WATER AND EXPOSURE TO DEICING CHEMICALS	0.40	5000	5000	3/4	6
						1	6
						1 1/2	5.5

(1) IF EXPOSURE CLASS IS UNCERTAIN, F3 SHALL BE ASSUMED.

(2) SEE CONCRETE NOTES ON SHEET N1.0 FOR MAX AGGREGATE SIZES.

EXPOSURE CATEGORY: SULFATE (S)

(AC1 318-19, SECTION 19.3)

EXPOSURE CLASS(1)		CONDITION		MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (f'_c) (PSI)		CEMENTITIOUS MATERIALS (CEMENT TYPE PER ASTM C150)
		WATER-SOLUBLE SULFATE (SO_4^{2-}) IN SOIL, PERCENT BY MASS(2)	DISSOLVED SULFATE (SO_4^{2-}) IN WATER, PPM(3)		FOUNDATIONS	FOUNDATION VENTS & ACCESS WELLS	
☐	S0	$SO_4^{2-} < 0.10$	$SO_4^{2-} < 150$	0.55	3500	3000	I OR II
☐	S1	$0.10 \le SO_4^{2-} < 0.20$	$150 \le SO_4^{2-} < 1500$ OR SEAWATER	0.50	4000	4000	II
☐	S2	$0.20 \le SO_4^{2-} \le 2.00$	$1500 \le SO_4^{2-} \le 10{,}000$	0.45	4500	4500	V
☐	S3 OPTION 1	$SO_4^{2-} > 2.00$	$SO_4^{2-} > 10{,}000$	0.45	4500	4500	V PLUS FLYASH OR SLAG CEMENT(4)
☐	S3 OPTION 2	$SO_4^{2-} > 2.00$	$SO_4^{2-} > 10{,}000$	0.40	5000	5000	V(5)

(1) IF EXPOSURE CLASS IS UNKNOWN, S3 SHALL BE ASSUMED.

(2) PERCENT SULFATE BY MASS IN SOIL SHALL BE DETERMINED BY ASTM C1580.

(3) CONCENTRATION OF DISSOLVED SULFATES IN WATER, IN PPM, SHALL BE DETERMINED BY ASTM D516 OR ASTM D4130.

(4) PER ACI 318-19, TABLE 19.3.2.1, FOOTNOTE 7, THE AMOUNT OF THE SPECIFIC SOURCE OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT THAT HAS BEEN DETERMINED BY SERVICE RECORD TO IMPROVE SULFATE RESISTANCE WHEN USED IN THE CONCRETE CONTAINING TYPE V CEMENT. ALTERNATIVELY, THE AMOUNT OF THE SPECIFIC SOURCE OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT TESTED IN ACCORDANCE WITH ASTM C1012 AND MEETING THE CRITERIA IN ACI 318-19, SECTION 26.4.2.2(c).
SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS.

(5) PER ACI 318-19, TABLE 19.3.2.1, FOOTNOTE 8, SULFATE RESISTANCE DETERMINED IN ACCORDANCE WITH ASTM C452 SHALL NOT BE MORE THAN 0.040% EXPANSION AT 14 DAYS.

EXPOSURE CATEGORY: IN CONTACT WITH WATER (W)

(AC1 318-19, SECTION 19.3)

EXPOSURE CLASS		CONDITION	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (f'_c) (PSI)		ADDITIONAL REQUIREMENTS
				FOUNDATIONS	FOUNDATION VENTS & ACCESS WELLS	
☐	W1	CONCRETE IN CONTACT WITH WATER WHERE LOW PERMEABILITY IS NOT REQUIRED	0.55	3500	3000	FOOTNOTES (1) & (2)
☐	W2(3)	CONCRETE IN CONTACT WITH WATER WHERE LOW PERMEABILITY IS REQUIRED	0.50	4000	4000	FOOTNOTES (1) & (2)

(1) PER ACI 318-19 SECTION 26.4.2.2(d), AGGREGATES ARE NOT ALKALI-SILCA REACTIVE OR MEASURES TO MITGATE ALKALI-SILICA REACTIVITY HAVE BEEN ESTABLISHED.

(2) PER ACI 318-19 SECTION 26.4.2.2(d), AGGREGATES ARE NOT ALKALI-CARBONATE REACTIVE.

(3) EXPOSURE CLASS W2 IS ONLY REQUIRED IF CONCRETE IS BELOW THE HIGH GROUNDWATER TABLE.

EXPOSURE CATEGORY: CORROISION PROTECTION OF REINFORCEMENT (C)

(AC1 318-19, SECTION 19.3)

EXPOSURE CLASS		CONDITION	MAXIMUM W/C RATIO	MINIMUM 28-DAY STRENGTH (f'_c) (PSI)		MAXIMUM WATER-SOLUBLE CHLORIDE ION (CI-) CONTENT IN CONCRETE, PERCENT BY WEIGHT OF CEMENTITIOUS MATERIALS(1),(2)
				FOUNDATIONS	FOUNDATION VENTS & ACCESS WELLS	
☐	C1	CONCRETE EXPOSED TO MOISTURE BUT NOT TO AN EXTERNAL SOURCE OF CHLORIDES	0.55	3500	3000	0.30
☐	C2	CONCRETE EXPOSED TO MOISTURE AND AN EXTERNAL SOURCE OF CHLORIDES FROM DEICING CHEMICALS, SALT, BRACKISH WATER, SEAWATER, OR SPRAY FROM THESE SOURCES	0.40	5000	5000	0.15

(1) THE MASS OF SUPPLEMENTARY CEMENTITIOUS MATERIALS USED IN DETERMINING THE CHLORIDE CONTENT SHALL NOT EXCEED THE MASS OF THE PORTLAND CEMENT.

(2) CRITERIA FOR DETERMINATION OF CHLORIDE CONTENT PER ACI 318-19 SECTION 26.4.2.2.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 05/14/2024

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDAL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
BELOW GRADE CONCRETE
MIX DESIGN REQUIREMENTS

SHEET NUMBER:
N1.0A

COORDINATION OF WORK

THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY. THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF ANY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

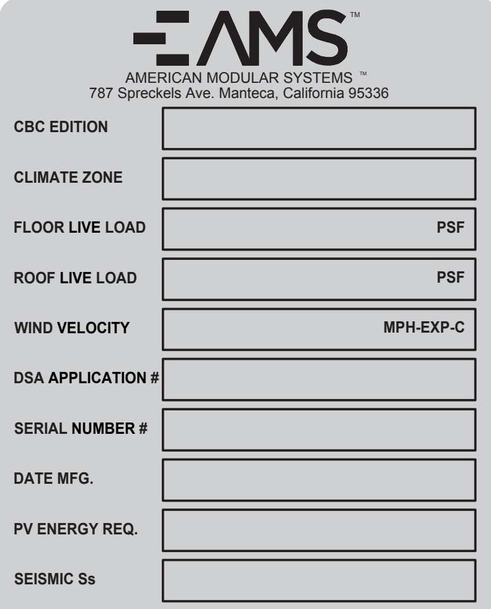
THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

1. ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.
2. ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE RDPRC THAT SUCH IS THE CASE.
3. CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.
4. WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS

1. UP TO TEN (10) MODULES, APPROXIMATELY 12' x 40', DESIGNED SO THAT TWO (2) OR MORE MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE, TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF, AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.
2. EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH (2) IMPRINTED (STAMPED, NOT ENGRAVED) METAL IDENTIFICATION TAGS 3"x1-1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:
   A. MANUFACTURER'S NAME
   B. CBC EDITION
   C. CLIMATE ZONE
   D. FLOOR LIVE LOAD
   E. ROOF LIVE LOAD
   F. WIND VELOCITY/ EXPOSURE
   G. DSA APPLICATION NUMBER #
   H. SERIAL NUMBER #
   I. DATE OF MANUFACTURED
   J. PV ENERGY REQUIREMENTS
   K. SEISMIC Ss
   L. INSPECTOR



3. 2-TAGS PER MODULE: ONE ON EXTERIOR, AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.
4. EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.
5. EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE RDPRC, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.
6. FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

MARKERBOARD SPECIFICATIONS

MARKERBOARDS SHALL BE 24 GA. PORCELAIN STEEL FACING SHEET SUITABLE TO ACCEPT DRY ERASE FELT MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD SUBSTRATE WITH A MINIMUM DENSITY OF 45lbs./cu.ft. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2 15/16" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 5'x8' PANELS INSTALLED SIDE BY SIDE TO MAKE A 5'x16' PANEL, CENTERED ON THE WALL.

FOR ANCHORAGE DETAIL, SEE DETAIL 9/A4.0A-A

REFERENCE BRANDS: CHATFIELD-CLARKE Co, Inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.

GENERAL NOTE

IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL ON RECORD TO ENSURE THAT ALL SPECIFICATIONS MEET THE MINIMUM REQUIREMENTS OF THE CURRENT EDITION S OF THE CALIFORNIA STATE TITLES 19 AND 24. APPROVAL OF THESE SPECIFICATIONS DOES NOT CONSTITUTE APPROVAL FOR WAIVER OR ANY REQUIREMENTS OF THOSE REGULATIONS.

INTERIOR

1. FLOOR COVERING: PER CBC SECTION 804, COMPLY WITH NFPA 253 CLASS I OR II. COMPLY WITH ASTM E 648 FOR SPECIFIC OPTICAL DENSITY SMOKE RATING NOT TO EXCEED 450. IN EXIT PASSAGEWAYS OR CORRIDORS, THE MINIMUM CRITICAL RADIANT FLUX (CBC 804.4.2) SHALL NOT BE LESS THAN CLASS II. (CARPET SHALL BE SECURELY ATTACHED, HAVE FIRM CUSHION, PAD OR BACKING, OR NONE AT ALL. PILE YARN SHALL BE BRANDED NYLON AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT PILE OR LEVEL-CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2" INCH. NO CROSS SEAMS SHALL BE ALLOWED. THE CARPET DENSITY SHALL BE 4600 MINIMUM. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 11B-303. COLOR TO BE SELECTED BY THE RDPRC OR OWNER.)
2. BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH MOULDED TOP SET COVE. PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURE BY "JOHNSONITE CO.", FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
3. INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD (U.O.N.) APPLIED IN ONE CONTINUOUS LENGTH FROM FLOOR TO CEILING. THE TACKBOARD SHALL BE INDUSTRIAL INSULATION BOARD MANUFACTURED SPECIFICALLY AS A SUBSTITUTE FOR VINYL COVERED WALL PANELS. THE BOARD SHALL BE ASPHALT FREE, SHALL HAVE AN IRONED-ON COATING AND SHALL HAVE A MINIMUM DENSITY OF 18 LBS. PER FOOT. THE VINYL COATING SHALL BE MADE OF VIRGIN VINYL CALENDERED BASE COLOR, WEIGHING A MINIMUM OF 8 OZ. PER SQUARE YARD. THE COATING BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATING SHALL BE MECHANICALLY LAMINATED, WITH THE LONG EDGES WRAPPED, TO THE TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR OSB SHEATHING. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS 'C' RATING (PER ASTM E 84 OR UL 723). FLAME SPREAD/SMOKE DEVELOPED INDEX MAXIMUMS PER NOTE #6 BELOW. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVERED TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE OR COMPARABLE. CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH. TACKBOARD FLAME SPREAD: 126.6 & SMOKE DEVELOPMENT: 45
4. CEILING: SUSPENDED T-BAR SYSTEM, SEE SHEET M1.4 FOR DETAILS, MATERIALS AND INSTALLATION PER ASTM C635, ASTM C636, ASTM E580, AND DSA-IR 25-2.13 AS APPLICABLE TO CLASSROOMS. PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS, SQUARE EDGE, LIGHT REFLECTION 75% MINIMUM. NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. ASTM E 84 TESTED, RATED CLASS 'C': FLAME SPREAD INDEX NOT TO EXCEED 200, SMOKE DEVELOPED INDEX RATING NOT TO EXCEED 450.
5. THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")
6. FLAME SPREAD/SMOKE-DEVELOPED INDEX (TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723, PER CBC 803.1.2):

WALL FINISH MATERIAL (CLASS 'C')
FLAME SPREAD MAX = 200
SMOKE DEVELOPED MAX = 450

PIPE INSULATION (CLASS 'A')
FLAME SPREAD MAX = 25
SMOKE DEVELOPED MAX = 450

BUILDING INSULATION (CLASS 'A')
FLAME SPREAD MAX = 25
SMOKE DEVELOPED MAX = 450

DUCT INSULATION (CLASS 'A')
FLAME SPREAD MAX = 25
SMOKE DEVELOPED MAX = 50

7. TOILET PARTITIONS: SOLID PLASTIC BY ACCURATE PARTITIONS CORP. OR EQUIVALENT w/ FLOOR ANCHORS, OVERHEAD BRACED OR EQUIVALENT. MINIMUM FLAME SPREAD RATING: 50. MINIMUM SMOKE DEVELOPMENT RATING: 450. (BY OTHERS)
8. INTERIOR VENTILATION: EAVE VENTS AND ATTIC VENTS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF NOT LESS THAN 1/16" AND NOT MORE THAN 1/4" INCH, PER C.B.C. SECTION 1202.2.2.

DOORS & WINDOWS

1. EXTERIOR DOORS: METAL DOORS - 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER CS242 MINIMUM, AND REINFORCED WITH 20 GA. MINIMUM. FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR CLOSURE.) PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES, DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME ASTM A366 & C5242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHORS PER JAMB PLUS ADJUSTABLE FLOOR ANCHOR. ROOMS WITH AN OCCUPANT LOAD OF FIVE OR MORE SHALL HAVE DOOR HARDWARE CAPABLE OF BEING LOCKED FROM THE INSIDE (PER CBC 1010.2.8).
2. EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LITES OF GLASS AND THE AIR SPACE.
3. GLAZING MATERIAL SHALL BE: EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM. INTERIOR LITE - 1/8" MINIMUM CLEAR TEMPERED. MINIMUM AIR SPACE SHALL BE 1/4" SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OR SILICONE SECONDARY SEAL. CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.
4. HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR OSB SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANS1), COMMERCIAL GRADE.
5. WINDOWS TO MATCH WHAT IS REQUIRED BY ENERGY REPORT. IF WINDOWS MUST BE NFRC RATED THAN NFRC LABELS SHALL BE LEFT ON THE WINDOWS FOR THE INSPECTOR TO VERIFY.

MECHANICAL EQUIPMENT PROTECTION

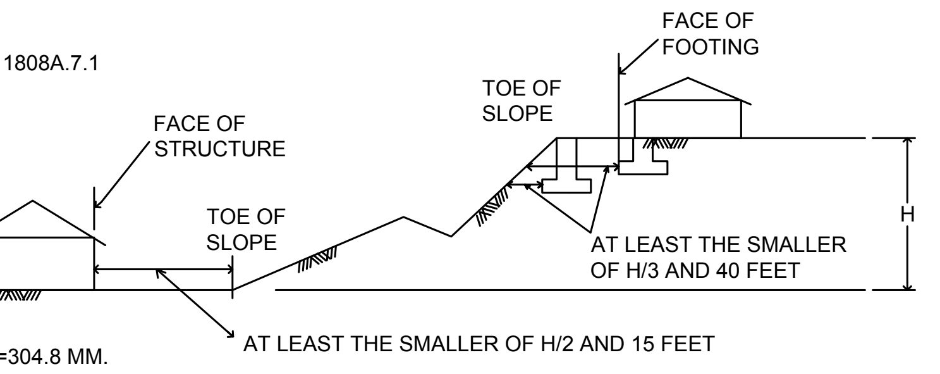
1. ALL MECHANICAL EQUIPMENT SHALL BE THOROUGLY CLEANED PROGRESSIVELY DURING CONSTRUCTION AND COMPLETION OF THE JOB. ALL OPEN ENDS OF DUCTWORK AND EQUIPMENT SHALL BE COVERED AT END OF EACH WORK DAY AND DURING SHIPMENT OF RELOCATABLE BUILDINGS

FOUNDATION CLEARANCES FROM SLOPES

CBC 1808A.7.1 BUILDING CLEARANCE FROM ASCENDING SLOPES. IN GENERAL, BUILDINGS BELOW SLOPES SHALL BE SET A SUFFICIENT DISTANCE FROM THE SLOPE TO PROVIDE PROTECTION FROM SLOPE DRAINAGE, EROSION AND SHALLOW FAILURES. EXCEPT AS PROVIDED IN SECTION CBC 1808A.7.5 AND FIGURE CBC 1808A.7.1, THE FOLLOWING CRITERIA WILL BE ASSUMED TO PROVIDE THIS PROTECTION. WHERE THE EXISTING SLOPE IS STEEPER THAN ONE UNIT VERTICAL IN ONE UNIT HORIZONTAL (100-PERCENT SLOPE), THE TOE OF THE SLOPE SHALL BE ASSUMED TO BE AT THE INTERSECTION OF A HORIZONTAL PLANE DRAWN FORM THE TOP OF THE FOUNDATION AND A PLANE DRAWN TANGENT TO THE SLOPE AT AN ANGLE OF 45 DEGREES (0.79 RAD) TO THE HORIZONTAL. WHERE A RETAINING WALL IS CONSTRUCTED AT THE TOE OF THE SLOPE, THE HEIGHT OF THE SLOPE SHALL BE MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE SLOPE.

CBC 1808A.7.2 FOUNDATION SETBACK FROM DESCENDING SLOPE SURFACE. FOUNDATIONS ON OR ADJACENT TO SLOPE SURFACES SHALL BE FOUNDED IN FIRM MATERIAL WITH AN EMBEDMENT AND SET BACK FROM THE SLOPE SURFACE SUFFICIENT TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE FOUNDATION WITHOUT DETRIMENTAL SETTLEMENT. EXCEPT AS PROVIDED FOR IN SECTION CBC 1808A.7.5 AND FIGURE CBC 1808A.7.1, THE FOLLOWING SETBACK IS DEEMED ADEQUATE TO MEET THE CRITERIA. WHERE THE SLOPE IS STEEPER THAN 1 UNIT VERTICAL IN 1 UNIT HORIZONTAL 100-PERCENT SLOPE), THE REQUIRED SETBACK SHALL BE MEASURED FROM AN IMAGINARY PLANE 45 DEGREES (0.79 RAD) TO THE HORIZONTAL, PROJECTED UPWARD FROM THE TOE OF THE SLOPE.

FIG. 1808A.7.1


FACE OF STRUCTURE
TOE OF SLOPE
TOE OF SLOPE
FACE OF FOOTING
H
AT LEAST THE SMALLER OF H/3 AND 40 FEET
AT LEAST THE SMALLER OF H/2 AND 15 FEET

FOR SI: 1 FOOT=304.8 MM.

1. EACH CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC UL RATING. MOUNT ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A MAXIMUM HEIGHT OF 4 FEET TO THE TOP OF THE OPERATING HANDLE, AND THE BOTTOM OF F.E. MOUNTED 27" OR LESS A.F.F. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

REFERENCE: 2022 CALIFORNIA BUILDING CODE (TITLE 24, PART 2, CCR), CHAPTER 11B "ACCESSIBILITY TO PUBLIC..."

SECTION 11B-206.2 BUILDING ACCESSIBILITY, GENERAL
1. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL BUILDINGS, ELEMENTS, AND AREAS, AND EACH FLOOR INCLUDING MEZZANINES.

SECTION 11B-216 SIGNAGE
(ALSO REFER TO SECTIONS 11B-703, 1009.9, 1009.10, 1023.9)
SIGNAGE IS REQUIRED:
1. TO IDENTIFY PERMANENT ROOMS & SPACES
2. TO PROVIDE DIRECTIONS AND INFORMATION ABOUT SPACES & FACILITIES
3. TO IDENTIFY MEANS OF EGRESS
   A. AREAS OF REFUGE AND AREA FOR ASSISTED RESCUE (PER 1009.9 AND 1009.11)
   B. DIRECTIONS TO AN EXIT (PER 1009.10)
   C. DELAYED EGRESS LOCKS (PER 1010.1.9.8.1 ITEM 6)
   D. EXIT WAYS (PER 1013.4)
      - AT EACH GRADE LEVEL EXTERIOR EXIT DOOR
      - AT AN EXIT BY MEANS OF A STAIRWAY OR RAMP ("EXIT STAIR DOWN" OR "EXIT RAMP DOWN")
      - AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR, HALLWAY, ETC.
      - OTHER HORIZONTAL WAYS WHERE THE EXIT OR EXIT PATH IS NOT IMMEDIATELY VISIBLE (PER 1013.1)
4. TO IDENTIFY ACCESSIBLE PARKING SPACES
5. TO IDENTIFY ENTRANCES OR ROUTE TO AN ACCESSIBLE ENTRANCE
6. TO IDENTIFY ELEVATORS
7. TO IDENTIFY TOILET ROOMS
8. TO IDENTIFY PUBLIC TELEPHONES, TTY and ASSISTIVE LISTENING SYSTEMS

SIGNS, WHERE LOCATED WITHIN AN ACCESSIBLE ROUTE, MOUNTED LESS THAN 80" ABOVE THE FINISHED FLOOR, MUST HAVE ROUNDED EDGES OR AN EASED RADIUS MINIMUM OF 0.125".

SECTION 11B-404.2.8 DOOR CLOSING SPEED
1. THE SWEEP PERIOD OF ACCESSIBLE DOORS SHALL BE 5 SECONDS MINIMUM, FROM AN OPEN DOOR POSITION OF 90 DEGREES, TO A DOOR POSITION OF 12° FROM THE LATCH.

SECTION 11B-404.2.9 DOOR OPENING FORCE
1. THE EFFORT TO OPEN ANY DOOR SHALL NOT EXCEED 5LBS, EXCEPT FIRE DOORS, WHICH SHALL NOT EXCEED 15LBS FORCE. THE MINIMUM FORCE NEEDED SHALL BE USED.

SECTIONS 11B-404.2.4.3 RECESSED DOORS
1. DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-404.2.4.3.

SECTION 11B-405.5 RAMP WIDTH
1. THE CLEAR WIDTH OF A RAMP SHALL BE 48" MINIMUM.

SECTION 11B-505 HANDRAILS
1. THE TOP OF THE GRIPPING SURFACE OF HANDRAILS SHALL BE BETWEEN 34" AND 38", MEASURED VERTICALLY FROM WALKING SURFACES AND STAIR NOSINGS.
2. HANDRAILS SHALL HAVE AT LEAST 1-1/2" CLEARANCE ALONG THE SIDE; MAX. 20% OBSTRUCTIONS ON THE BOTTOM (11B-505.6).
3. HANDRAILS SHALL EXTEND BEYOND, AND IN THE SAME DIRECTION, OF STAIRS AND RAMPS.

SECTION 11B-608.5 WATER CONTROLS
(11B-606.4 IS FOR LAVS & SINKS, 11B-608.5 IS FOR SHOWER COMPARTMENTS)
1. CONTROLS TO OPERATE A WATER FAUCET OR OUTLET SHALL BE A SINGLE-LEVER DESIGN, CAPABLE OF BEING OPERATED WITH A SINGLE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
2. THE FORCE REQUIRED TO OPERATE CONTROLS SHALL NOT EXCEED 5 LBS.

SECTION 11B-604 TOILET ROOMS AND BATHING ROOMS
1. AN ACCESSIBLE TOILET STALL SHALL HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE, WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
2. THE INSIDE AND OUTSIDE OF THE ACCESSIBLE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. THE LATCH AND PULL SHALL COMPLY WITH 11B-404.2.7. MAXIMUM 5 LB FORCE TO ACTIVATE (11B-309.4).
3. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES.
4. A 27"-29" MINIMUM DIMENSION IS REQUIRED FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK AND THE LAV FRONT EDGE.
5. TABLE 11B-604.9 SUGGESTS DIMENSIONS FOR CHILDREN'S USE.
6. TOILET ACCESSORIES LOCATED IN THE CIRCULATION PATH AND WITH THE BOTTOM MOUNTED ABOVE 27" SHALL BE 4" DEEP MAX (11B-307.2).

OUTDOOR VENTILATION REQUIREMENTS:

1. CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF. PER THE CALIFORNIA ENERGY CODE (CEC), SPACES SHALL BE DESIGNED TO THE MINIMUM REQUIREMENTS AS SPECIFIED OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE BUILDING 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. THE BUILDING MANUFACTURER SHALL ALSO CONFIRM WITH HVAC EQUIPMENT MANUFACTURER THAT THE SELECTED EQUIPMENT WILL BE ABLE TO PERFORM TO ACCOMMODATE THE ADDITIONAL OUTDOOR AIR REQUIREMENTS UNDER 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 TO EACH AREA.

LIGHT GAUGE METAL STUDS & COLD FORMED STEEL

1. ALL LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE AISI S100-16 (2020) w/S2-20.
2. CUSTOM FORMED SHAPES SHALL BE BENT FROM ASTM A1011 SS STEEL SHEETS, UNO.
3. STUD AND TRACK DESIGNATIONS ARE BASED ON STEEL STUD MANUFACTURERS ASSOCIATION. ICC-ES EVALUATION REPORT ESR-3064P.
4. WELDING OF LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL COMPLY WITH AWS D1.3-08.
5. CORROSION PROTECTION:

A. ALL INTERIOR LIGHT GAUGE & COLD FORMED STEEL THAT IS PROTECTED FROM THE ELEMENTS SHALL BE ZINC COATED PER ASTM A653 IN ACCORDANCE WITH AISI S240-20 SECTION A4, CP60 OR CP90 (G60 OR G90) COATING DESIGNATION, TYP. U.N.O. (ADDITIONAL CORROSION PROTECTION IS NOT REQUIRED ON CUT, PUNCHED, DRILLED EDGES OR WELDS)

B. ALL EXTERIOR LIGHT GAUGE & COLD FORMED STEEL (INCLUDING CUT, PUNCHED, DRILLED EDGES AND WELDS) THAT IS EXPOSED TO THE ELEMENTS SHALL BE 55% ALUMINUM-ZINC ALLOY COATED PER ASTM A792 IN ACCORDANCE WITH AISI S240-20 SECTION A4, CP90 (AZ50) COATING DESIGNATION, TYP U.N.O. (REPAIR DAMAGED AND UNCOATED AREAS WITH GALVANIZING REPAIR PAINT ACCORDING TO ASTM A780.)

6. ALL COLD FORMED STEEL MEMBERS FABRICATED BY AMS SHALL USE HOT-ROLLED SHEETS WITH THE FOLLOWING MIN. SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

GA	MATERIAL	DESIGN THICKNESS	MIN. THICKNESS
20	A1011 SS Gr. 36	0.0346”	0.0329”
18	A1011 SS Gr. 36	0.0451”	0.0428”
16	A1011 SS Gr. 45	0.0566”	0.0538”
14	A1011 SS Gr. 45	0.0713”	0.0677”
12	A1011 SS Gr. 45	0.1017”	0.0966”
10	A1011 SS Gr. 50	0.1345”	0.1278”

METAL FLOOR DECK

1. SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI, "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION."

METAL FLOOR DECK (CONTINUED)

2. METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN CONFORMANCE WITH AWS D1.1-15 AND D1.3-08, "SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES."
3. ASTM REFERENCE NUMBERS: ASTM A653, STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANEALED) BY THE HOT-DIP PROCESS STRUCTURAL (PHYSICAL) QUALITY.
4. STEEL DECK INSTITUTE (SDI)-METAL FLOOR DECK PROFILES SHALL BE IN CONFORMANCE WITH SDI STANDARDS.
5. METAL FLOOR DECK TO BE ASC STEEL DECK PER IAPMO ER-0329:
   5.1. BH-36, 18 GAUGE, 1½" DEEP x 36" WIDE
   5.2. 3WxH-36, 18 GAUGE, 3" DEEP x 36" WIDE
   5.3. 3WxH-36, 16 GAUGE, 3" DEEP x 36" WIDE
   5.4. 3WxHF-36, 16/16 GAUGE, 3" DEEP x 36" WIDE
6. DECK UNITS ARE TO BE FABRICATED FROM SHEET STEEL CONFORMING TO:
   6.1. ASTM A653 SS, F_Y=50 KSI WITH A GALVANIZED COATING, G-60 OR G-90.

FASTENERS FOR ATTACHMENT TO STEEL

1. SCREWS FOR STEEL TO STEEL & WOOD TO STEEL CONNECTIONS SHALL BE SELF-DRILLING, SELF-TAPPING SCREWS (SDSTS) PER ASTM C1513, UNO.
   1.1 HEAD TYPE AS REQUIRED FOR APPLICATION.
   1.2 SCREW LENGTHS TO HAVE 3 EXPOSED THREADS MIN.
   1.3 CORROSION PROTECTION: INTERIOR USE SCREWS AND SCREWS THAT ARE PROTECTED FROM THE OUTSIDE ENVIRONMENT SHALL BE ELECTRO-ZINC PLATED MIN, UNO. EXTERIOR USE SCREWS THAT ARE EXPOSED TO THE OUTSIDE ENVIRONMENT SHALL BE ONE OF THE FOLLOWING, UNO:
      A. ITW BUILDEX TEKS SELF-DRILLING TAPPING SCREWS WITH CLIMASEAL COATING PER ICC ESR-1976.
      B. HILTI SELF-DRILLING AND SELF-PIERCING TAPPING SCREWS WITH KWIK-COTE COATING PER ICC ESR-2196.
      C. GRABBER SELF-DRILLING TAPPING SCREWS WITH GRABBERGARD COATING PER ICC ESR-1271.
2. SHOT PINS SPECIFIED FOR PLYWOOD DIAPHRAM TO LIGHT GAUGE STEEL CONNECTIONS SHALL BE ET&F PINS PER IAPMO UES REPORT ER-0335.
3. SHOT PINS FOR ATTACHMENT OF 2X WOOD OR LIGHT GAUGE STEEL MEMBERS TO STRUCTURAL STEEL OR CONCRETE SHALL BE BY HILTI UNO.

ABBREVIATION LEGEND

A	ACCESSIBLE
AC	ASPHALT CONCRETE
A/C	AIR CONDITIONING
ACI	AMERICAN CONCRETE INSTITUTE
ACOUS	ACOUSTICAL
ADD	ADDENDUM
ADD'L	ADDITIONAL
ADJ	ADJUSTABLE OR ADJACENT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
ARCH	ARCHITECT(URAL)
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWC	AMERICAN WOOD COUNCIL
AWPA	AMERICAN WOOD PROTECTION ASSOCIATION
AWS	AMERICAN WELDING SOCIETY
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
BN	BOUNDARY NAILING (OR BOUNDARY FASTENING)
BOT/BOTT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
BUR	BUILT UP ROOFING
C	CARPET
CAB	CABINET
CB	CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
CCR	CALIFORNIA CODE OF REGULATIONS
CEM	CEMENT
CF	CUBIC FOOT
CJ	CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CLG	CEILING
CLR	CLEAR
CT	CERAMIC TILE
CMU	CONCRETE MASONRY UNIT
CNEL	COMMUNITY NOISE EQUIVALENT LEVEL
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CSK	COUNTERSINK
CTRD	CENTERED
CW	COLD WATER
DBL	DOUBLE
DET	DETAIL
DF	DRINKING FOUNTAIN OR DOUGLAS FIR
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DR	DOOR
DS	DOWNSPOUT
DSA	DIVISION OF THE STATE ARCHITECT
DWG	DRAWING
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATION
ELECT	ELECTRICAL
EMBED	EMBEDMENT
EMT	ELECTRICAL MAGNETIC TUBING
EN	EDGE NAILING (OR EDGE FASTENING)
ETC	ET CETERA
EQ	EQUAL
EW	EACH WAY
EXP	EXPOSURE
EXT	EXTERIOR
F	FAHRENHEIT
FUT	FUTURE
FAB	FABRICATION
FAC	FACTORY
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FG	FINISHED GRADE
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH
FLR	FLOOR
FLSHG	FLASHING
FN	FIELD NAILING (OR FIELD FASTENING)
FND/FNDN	FOUNDATION
FO	FACE OF
FOC	FACE OF CONCRETE
FOCOL	FACE OF COLUMN
FOF	FACE OF FINISH
FOP	FACE OF PLYWOOD
FOS	FACE OF STUD
FRP	FIBERGLASS REINFORCED PLASTIC PANELS
FT	FOOT
FTG	FOOTING
FURR	FURRED (-ING)
GA	GAUGE
GB	GYPSUM BOARD
GL	GLASS OR GLAZING
GLV/GALV	GALVANIZED
GSM	GALVANIZED SHEET METAL
GYP	GYPSUM
GYP.BD.	GYPSUM BOARD
HB	HOSE BIBB
HC	HOLLOW CORE
HDR	HEADER
HDW	HARDWOOD
HF	HEM FIR
HM	HOLLOW METAL (STEEL)
HOR/HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION (STEEL)
HT	HEIGHT
HVAC	HEATING VENTILATING AIR CONDITIONING
HW	HOT WATER
IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS
ICC	INTERNATIONAL CODE COUNCIL
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATE (D), (ION)
INT	INTERIOR
INV	INVERT
IR	INTERPRETATION OF REGULATIONS
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY/ACCESS
JT	JOINT
KSI	KIPS PER SQUARE INCH (KIPS = 1,000LBS)
LAM	LAMINATE(D)
LAV	LAVATORY
LB, LBS	POUND
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNDG	LANDING
LONG	LONGITUDINAL
LS	LAG SCREW
LT	LIGHT
LW	LIGHT WEIGHT
LWC	LIGHT WEIGHT CONCRETE
MATL	MATERIAL
MAX	MAXIMUM
MB	MECHANICAL BOLT
MECH	MECHANICAL
MFG	MANUFACTURING
MFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MM	MILLIMETER
MTL	METAL
(N)	NEW
NA OR N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NDS	NATIONAL DESIGN SPECIFICATION
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
NWC	NORMAL WEIGHT CONCRETE
O/	OVER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND OR OVERHANG
OL	OCCUPANT LOAD
OPG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
PAF	POWER-ACTUATED FASTENER
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLF	POUNDS PER LINEAR FOOT
PLT OR ℘	PLATE
PLWD/PLY	PLYWOOD
PNL	PANEL
POC	POINT OF CONNECTION
PS	PRODUCT STANDARD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	PRESSURE TREATED
PTDF	PRESERVATIVE TREATED DOUGLAS FIR
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
R	RISER
RD	ROOF DRAIN
RDPRC	REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE
RDWD	REDWOOD
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCING
REQ'D/REQ	REQUIRED
RES	RESILIENT
RDWD	REDWOOD
RWL	RAIN WATER LEADER
SCH/SCHED	SCHEDULE
SD	STORM DRAIN
SDSTS	SELF-DRILLING, SELF-TAPPING SCREW
SEC	SECTION
SEP	SEPARATION
SF	SQUARE FEET
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SMS	SHEET METAL SCREW
SOG	SLAB-ON-GRADE
SP	STRUCTURAL PLYWOOD
SPEC	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL
SSMA	STEEL STUD MANUFACTURERS ASSOCIATION
STAGG	STAGGERED
STN	STAIN
STD	STANDARD
STL	STEEL
STS	SELF TAPPING SCREW
STSMS	SELF TAPPING SHEET METAL SCREW
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TEMP	TEMPERED
THRU	THROUGH
TJ	TOOL JOINT
TOC	TOP OF CURB, CRICKET, OR CONCRETE
TOP	TOP OF PARAPET
TOS	TOP OF SLAB, SHEATHING, OR STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TS	TOP OF SHEATHING
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VCTB	VINYL COVERED TACKBOARD
VERT	VERTICAL
VOC	VOLATILE ORGANIC COMPOUND(S)
VFY	VERIFY
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING
W/	WITH
WD	WOOD
WF	WIDE FLANGE
WIN	WINDOW
W/O	WITHOUT
WS	WOODSCREW
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
∠	ANGLE
@	AT
℄	CENTER LINE
Ø	DIAMETER
°	DEGREES
M̸L	MODULE LINE
±	PLUS/MINUS
℘	PLATE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ 2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDAL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:
GENERAL NOTES
&
SPECIFICATIONS

SHEET NUMBER:
N2.0

DOORS							FRAMES			
DOOR NO.	DOOR TYPE	DOOR SIZE	QUANTITY	MATERIAL	FINISH	HARDWARE SET NO.	FRAME TYPE	MATERIAL	FINISH	REMARKS
①	D1	3'-0" x 7'-0"	-	HM	PT	A OR B	F1	S	PT	HARDWARE LOCKABLE FROM THE INSIDE, SEE DOOR NOTE #3
②	D2	3'-0" x 7'-0"	-	HM	PT	A	F1	S	PT	
③	D3	2'-0" x 7'-0"	-	HM	PT	A	F2	S	PT	
④	D4	3'-0" x 7'-0"	-	SC	CLR	C	F1	S	PT	

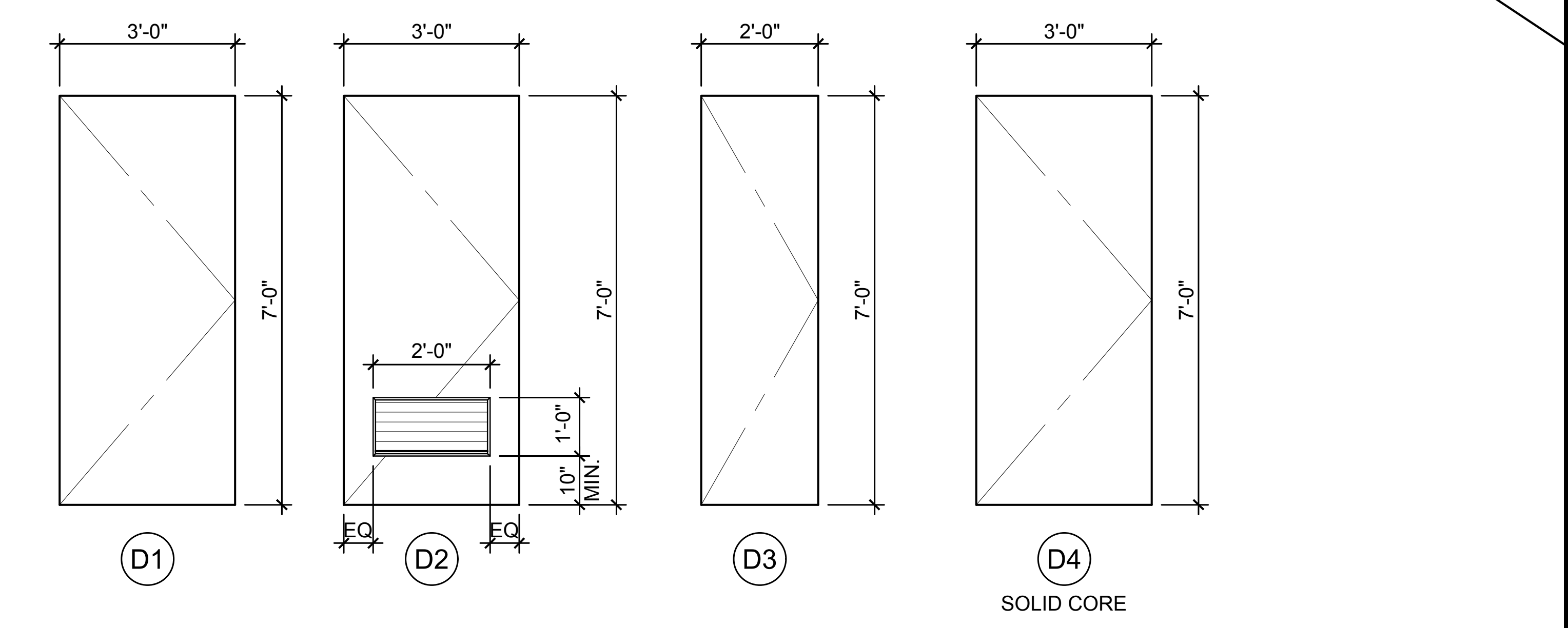
DOOR ABBREVIATIONS

HM	- HOLLOW METAL
AL	- ALUMINUM
S	- STEEL
SST	- STAINLESS STEEL
STL	- STEEL FRAME, 16ga. FULLY WELDED
WWF	- WINDOW WALL FRAME
SC	- SOLID CORE WOOD
HC	- HOLLOW CORE WOOD
PT	- PAINTED
CA	- CLEAR ANODIZED
BR	- BRONZE ANODIZED
CLR	- CLEAR FINISH

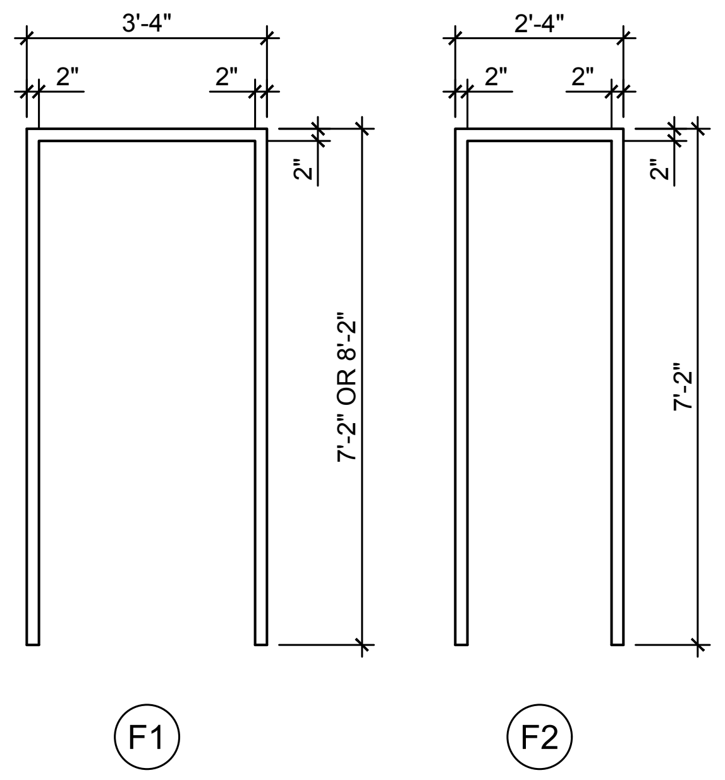
DOOR NOTES

1. DOORS SHALL COMPLY WITH C.B.C. SECTION 1010.
2. CLASSROOMS ≥ 1000 S.F WILL REQUIRE PANIC HARDWARE THAT COMPLIES WITH C.B.C. SECTION 1010.2.9.
3. PER C.B.C. 1010.2.8: PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.2.4.

DOOR SCHEDULE



DOOR TYPES



DOOR FRAME TYPES

A	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND95PD - CLASSROOM LOCK
B	EXTERIOR DOOR PANIC BAR w/PULL ON EXTERIOR VON DUPRIN AX22PANL-CD (REQUIRED WHEN OCCUPANT LOAD IS 50 0R MORE)
C	INTERIOR PASSAGE COPPER CREEK 6220-PASSAGE w/ LEVER
D	INTERIOR RESTROOM COPPER CREEK 6231-RESTROOM w/ LEVER
E	INTERIOR ENTRY/OFFICE COPPER CREEK 6241-ENTRY/OFFICE w/ LEVER
F	INTERIOR STOREROOM COPPER CREEK 6250-STOREROOM w/ LEVER
G	INTERIOR CLASSROOM COPPER CREEK 6260-CLASSROOM w/ LEVER
H	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND70PD - MULTI-ACCOMODATION RESTROOM LOCK
I	EXTERIOR DOOR LOCKSET w/LEVER & PUSH BUTTON RHODES SCHLAGE ND85PD - SINGLE USER RESTROOM LOCK
J	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND80PD - STOREROOM LOCK

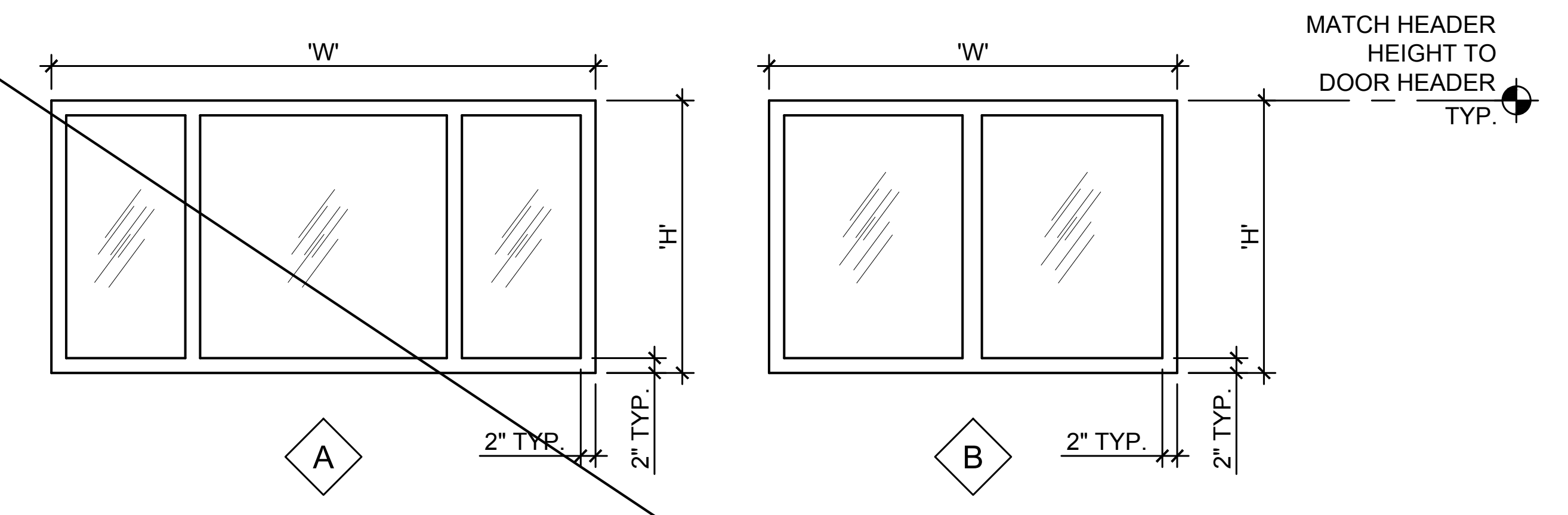
EXTERIOR DOOR HARDWARE

1. HINGES: HAGER 4-1/2x4-1/2 BUTTS, BB1279 US26D, 1-1/2 PAIR PER DOOR, WITH SET SCREW IN BARREL AND BALL BEARING DESIGN.
2. CLOSER: NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. (5 LBS. MAX. PRESSURE) ALL SCHLAGE HARDWARE IS PROVIDED WITH A CLOSER
3. WEATHERSTRIPPING: ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO 299D, ULTRA WS007 OR EQUAL, AT DOOR JAMBS AND HEAD.
4. THRESHOLD: THRESHOLD SHALL BE PEMKO 271 AV 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH042 DOOR BOTTOM.
5. LOCKDOWN: INTERIOR TEACHERS' MANUAL LOCK FOR CAMPUS LOCK DOWN CRITERIA - REQUIRED FOR STATE-FUNDED SCHOOLS, PER EDUCATION CODE SECTION 17075.50 (AND ALSO CBC 1010.2.8.2): PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.2.4.

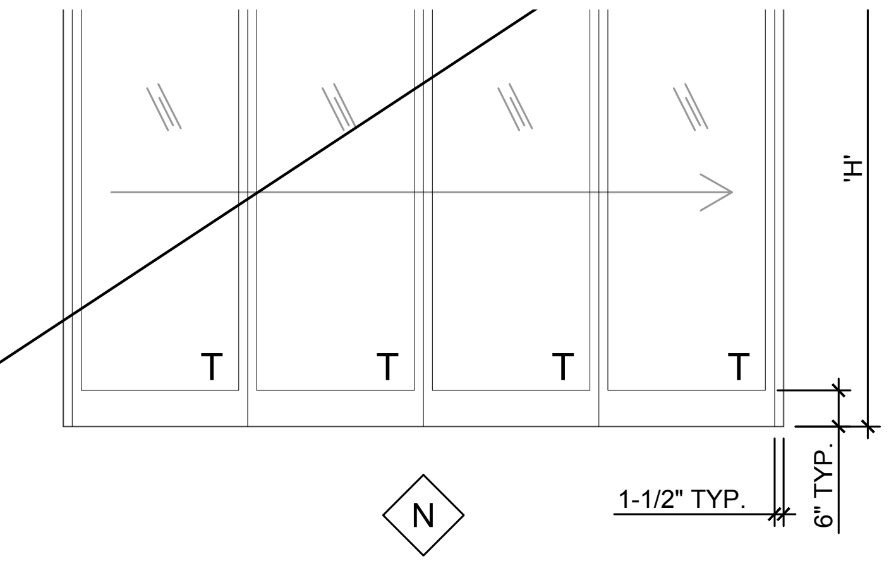
WINDOW TYPE	QTY.	FUNCTION	'W' WIDTH	'H' HEIGHT	FINISH	GLASS TYPE	U FACTOR	SHGC	VT MIN	MIN STC RATING	REMARKS
A	-	FIXED	10'-0" MAX.	8'-0" MAX.	BRONZE ANODIZED	SOLAR GREY[6]	0.42	0.25	0.44	27	INOPERABLE
B	-	FIXED	6'-0" MAX.	6'-0" MAX.	BRONZE ANODIZED	SOLAR GREY[6]	0.42	0.25	0.44	27	INOPERABLE
N	-	RETRACTABLE	MODULE WIDTH -1'-0" MAX.	10'-6" MAX.	CLEAR ANODIZED	ATLANTICA	0.564	0.27	0.53	27	OPERABLE

1. EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS, OR LAMINATED AS 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM. GLASS SHALL BE DUAL-PANE.
2. WINDOWS THAT MEETS ALL OF THE FOLLOWING CONDITIONS SPECIFIED IN SECTION 2406.4.3, SHALL BE CONSIDERED A HAZARDOUS LOCATION:
   - A. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET.
   - B. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE FINISH FLOOR.
   - C. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36" ABOVE FINISH FLOOR.
   - D. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.
3. WINDOWS THAT ARE CONSIDERED A HAZARDOUS LOCATION SHALL CONTAIN FULLY TEMPERED SAFETY GLAZING & MEET THE FOLLOWING REQUIREMENTS:
   - A. PASS THE IMPACT TEST REQUIREMENTS IN ACCORDANCE WITH "CPSC 16 CFR PART 1201" PER SECTION 2406.2, WITH A TEST CRITERIA OF CATEGORY II, UNLESS OTHERWISE INDICATED IN C.B.C. TABLE 2406.2(1).
   - B. IDENTIFICATION OF SAFETY GLAZING PER C.B.C. 2406.3
4. ALL WINDOWS SHALL HAVE METAL FRAMES AND BE MANUFACTURED BY OTHERS.
5. WINDOWS SHALL BE NFRC RATED
6. THE MINIMUM STANDARD GLASS TYPE FOR ALL WINDOWS SHALL SOLAR GREY GLAZING. UPGRADED GLAZING (LOW E, LOW E2, ETC.) MAY BE USED PER SITE SPECIFIC REQUIREMENTS. WINDOWS TO BE DUAL-PANE PER CA ENERGY CODE.
7. ALL NFRC RATED FENESTRATION AS NOTED ON THE WINDOW SCHEDULE REQUIRE TEMPORARY NFRC LABELS. TEMPORARY NFRC LABELS SHALL STAY ON FENESTRATION PRODUCTS UNTIL INSPECTOR HAS VERIFIED THAT THE INSTALLED U-FACTOR, SHGC, AND VT MATCH THE WINDOW SCHEDULE.

WINDOW SCHEDULE



REFER TO SHEET N3.0-A FOR SITE-SPECIFIC SHEET



NOTES:

1. FOR NANAWALL STRUCTURAL INFORMATION SEE SHEET S8.0A OR S9.0A
2. WHEN NANAWALLS ARE PROVIDED, THE GLASS AREA SHALL NOT EXCEED THE ALLOWED GLASS AREA SPECIFIED IN THE PC
3. THE TOTAL GLAZING AREA OF ANY BUILDING MAY NOT EXCEED THE MAXIMUM ALLOWED GLAZING AREA (SQ. FT.) LISTED ON THE GLAZING AREA TABLE IN THIS PAGE. IF A BUILDING EXCEEDS THE MAXIMUM AREA, A PROJECT SPECIFIC TITLE 24 REPORTS SHALL BE PROVIDED.

OPTIONAL NANAWALL

DOOR HARDWARE NOTES

1. 11B-404.2.3 CLEAR WIDTH

   DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (813 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (914 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES (864 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES (864 MM) AND 80 INCHES (2032 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (102 MM).

   EXCEPTIONS:
   1. IN ALTERATIONS, A PROJECTION OF 5/8 INCH (15.9 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP.
   2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES (1981 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
2. HANDLES, PULLS, LATCHES, LOCKS AND OTHERS OPERABLE PARTS ON DOORS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 lbs. MAX. (11B-404.2.7, 11B-309.4)
3. DOORS SHALL BE OPERABLE FROM INSIDE WITH A SINGLE MOTION W/O THE USE OF ANY TOOLS, EFFORT, OR SPECIAL KNOWLEDGE.
4. EMERGENCY EXIT AND PANIC HARDWARE

   EMERGENCY EXIT AND PANIC HARDWARE SHALL COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302
   A) THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE
   D) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

*ADDITIONAL DOORS MAY BE REQUIRED BASED ON BUILDING LAYOUT.

DOOR HARDWARE SCHEDULE

FINISHES										
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING	CEILING HEIGHT	REMARKS
				FRONT	REAR	RIGHT	LEFT			
101 TYP	CLASSROOM - STANDARD	A	D	F	F	F	F	K	8'-6"	
102 TYP	CLASSROOM - STANDARD	A	D	F	F	F	F	K	8'-6"	
--- TYP	BOYS R.R.	B	E	J	J	J	J	H	8'-6"	
--- TYP	GIRLS R.R.	B	E	J	J	J	J	H	8'-6"	
--- TYP	STAFF ROOM	B	E	J	J	J	J	H	8'-6"	
--- TYP	SINGLE TOILET R.R.	B	E	J	J	J	J	H	8'-0"	

FINISH INDICATOR OPTIONS

- A - CARPET; PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600.
- B - VINYL SHEET FLOORING; 0.6 MIN, C.D.F. PER ASTM D 2047
- C - VCT; ARMSTRONG, STANDARD, OR EXCELON.
- D - TOP SET BASE; 4"
- E - TOP SET BASE; 6"
- F - WALL FINISH; 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
- G - 1/2" W.R. GYP BOARD; TAPE, PAINTED FINISH
- H - 1/2" GYP BOARD; TAPE, PAINTED FINISH
- J - 3/32" F.R.P.; OVER 1/2" W.R. GYP BOARD
- K - ACOUSTICAL LAY-IN GRID CEILING PANELS; 2'x2' OR 2'x4'
- L - 1/2" VINYL TACKBOARD; CLASS 1, OVER 5/8" TYPE "X" GYP BOARD BACKING
- M - 5/8" TYPE 'X' GYP BOARD; TAPE, TEXTURE, PAINTED FINISH
- N - CERAMIC TILE - (FULL HEIGHT AT WALLS)
- O - EXPOSED CONCRETE WITH CONCRETE SEALER
- P - CLOUD CEILING PANELS

ROOM FINISHES SCHEDULE

WINDOW GLAZING AREA TABLE			
BUILDING SIZE (FT)	MAX ALLOWED AREA AT FRONT (SQ FT)**	MAX ALLOWED AREA AT REAR (SQ FT)**	MAX TOTAL ALLOWED AREA (SQ FT)*
28'x36'	80	80	160
42'x36'	160	80	240
56'x36'	160	160	320
70'x36'	240	160	400
84'x36'	240	240	480
98'x36'	320	240	560
112'x36'	320	320	640
126'x36'	400	320	720
140'x36'	400	400	800

** MAX SQUARE FOOTAGES ALLOWED CAN BE USED ALTERNATED FROM FRONT TO REAR OR REAR TO FRONT BUT NOT COMBINED.

* WINDOW PLACEMENT & SIZE MAY VARY AS TITLE 24 MODEL REFLECTS THE LARGEST WINDOW OPTION.

THE TOTAL WINDOW AREA OF ANY BUILDING MAY NOT EXCEED THE MAXIMUM ALLOWED WINDOW AREA (SQ. FT.) LISTED ON THE TABLE ABOVE. IF A BUILDING EXCEEDS THE MAXIMUM AREA, A PROJECT SPECIFIC TITLE 24 REPORTS SHALL BE PROVIDED.

WINDOW GLAZING AREA TABLE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME

28' x 36' THRU 140' x 36'
(HIGH SEISMIC)

GEN7 by AMS

SITE SPECIFIC PROJECT NAME

.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 05/14/2024

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1
2
3
4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

TYPICAL SCHEDULES
DOORS, WINDOWS
& FINISHES

SHEET NUMBER:

N3.0

DOORS							FRAMES			
DOOR NO.	DOOR TYPE	DOOR SIZE	QUANTITY	MATERIAL	FINISH	HARDWARE SET NO.	FRAME TYPE	MATERIAL	FINISH	REMARKS
1	D1	3'-0" x 7'-0"	14	HM	PT	A	F1	STL	PT	HARDWARE LOCKABLE FROM THE INSIDE, SEE DOOR NOTE #3
2	D1	3'-0" x 7'-0"	6	HM	PT	C	F1	STL	PT	
3	D2	3'-0" x 7'-0"	4	HM	PT	C	F2	STL	PT	VENT GRILL SHALL BE 14 GAUGE METAL
4	D4	3'-0" x 7'-0"	4	HM	PT	C	F2	STL	PT	VENT GRILL SHALL BE 14 GAUGE METAL
5	D3	3'-0" x 7'-0"	5	SC	CLR	D	F2	STL	PT	
6	D2	3'-0" x 7'-0"	1	HM	PT	B	F1	STL	PT	VENT GRILL SHALL BE 14 GAUGE METAL
7	D5	3'-6" x 7'-0"	1	HM	PT	C	F4	STL	PT	
8	D6	3'-6" x 7'-0"	1	SC	CLR	E	F3	STL	PT	
9	D7	3'-0" x 7'-0"	1	SC	CLR	E	F2	STL	PT	
10	D2	3'-0" x 7'-0"	2	HM	PT	B	F2	STL	PT	VENT GRILL SHALL BE 14 GAUGE METAL
11	D1	3'-0" x 7'-0"	1	HM	PT	B	F2	STL	PT	

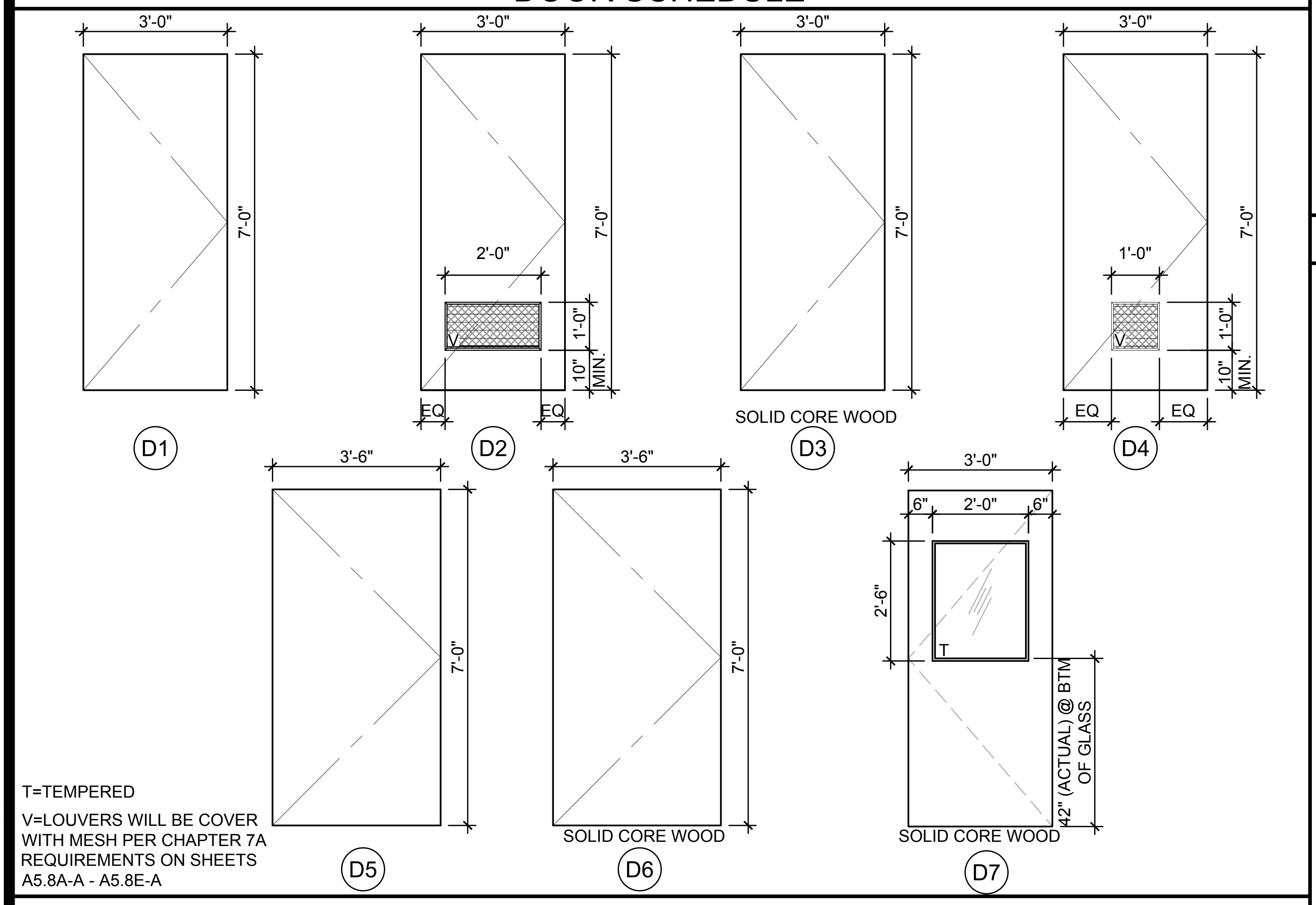
DOOR ABBREVIATIONS

HM - HOLLOW METAL
AL - ALUMINUM
S - STEEL
SST - STAINLESS STEEL
STL - STEEL FRAME, 14ga. FULLY WELDED
WWF - WINDOW WALL FRAME
SC - SOLID CORE WOOD
HC - HOLLOW CORE WOOD
PT - PAINTED
CA - CLEAR ANODIZED
BR - BRONZE ANODIZED
CLR - WHITE BIRCH

DOOR NOTES

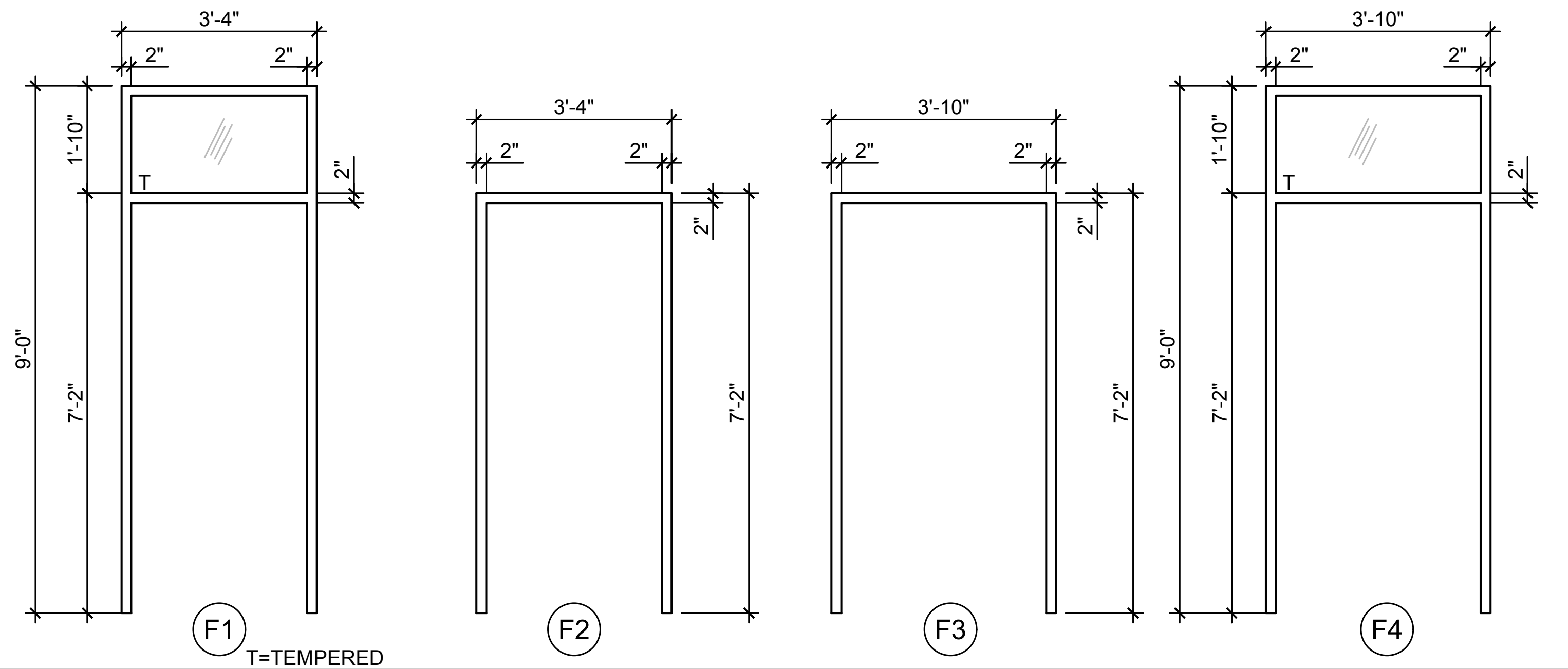
1. DOORS SHALL COMPLY WITH C.B.C. SECTION 1010.
2. CLASSROOMS ≥ 1000 S.F WILL REQUIRE PANIC HARDWARE THAT COMPLIES WITH C.B.C. SECTION 1010.2.9.
3. PER C.B.C. 1010.2.8: PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.2.4.

DOOR SCHEDULE



T=TEMPERED
V=LOUVERS WILL BE COVER WITH MESH PER CHAPTER 7A REQUIREMENTS ON SHEETS A5.8A-A - A5.8E-A

DOOR TYPES



T=TEMPERED

DOOR FRAME TYPES

A	EXTERIOR DOOR LOCKSET VON DUPRIN 99I PANIC DEVICE w/SCHLAGE ND96PD LOCKSET (BY AMS), REPLACED WITH SCHLAGE AD-300 (ON SITE BY DISTRICT)
B	EXTERIOR LOCKSET w/LEVER RHODES SCHLAGE ND96PD
C	EXTERIOR LOCKSET w/LEVER RHODES SCHLAGE ND96PD (BY AMS), REPLACED WITH SCHLAGE AD-300 (ON SITE BY DISTRICT)
D	INTERIOR LATCHSET w/LEVER RHODES SCHLAGE ND10S PASSAGE LATCH
E	INTERIOR LOCKSET w/LEVER RHODES SCHLAGE ND96PD (BY AMS), REPLACED WITH SCHLAGE AD-300 (ON SITE BY DISTRICT)

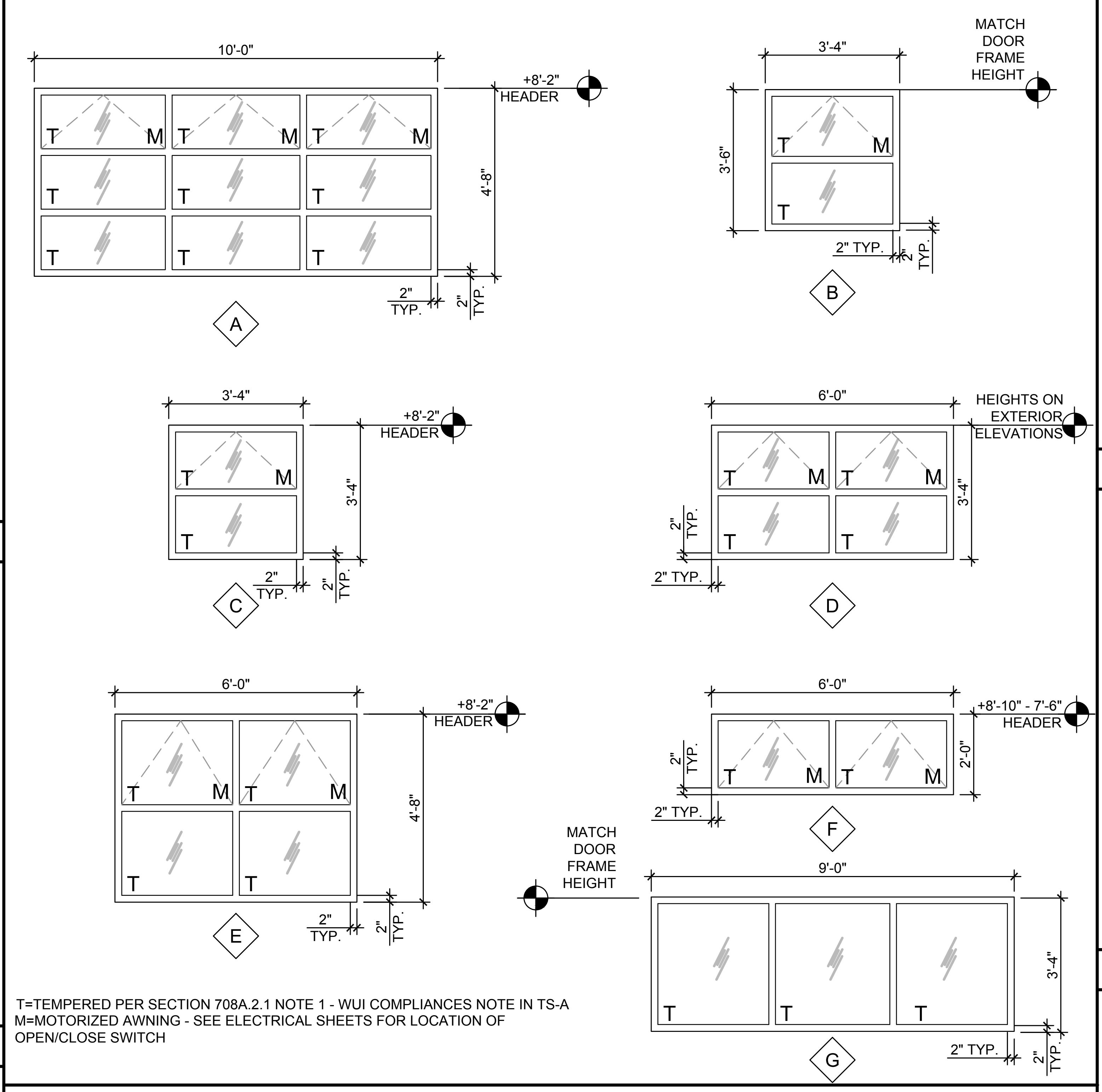
EXTERIOR DOOR HARDWARE ELECTRIC STRIKE (FOR FUTURE ELECTRONIC LOCKS ON SITE BY DISTRCIT)

1.	HINGES:	HAGER #790 CONTINUOUS HINGE.
2.	CLOSER:	NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. (5 LBS. MAX. PRESSURE)
3.	WEATHERSTRIPPING:	ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO 299D, ULTRA WS007 OR EQUAL, AT DOOR JAMBS AND HEAD.
4.	THRESHOLD:	THRESHOLD SHALL BE PEMKO 271 AV 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH042 DOOR BOTTOM.
5.	ELECTRIC STRIKE:	HAGER #2925 ELECTRIC DOOR STRIKE (FOR FUTURE ELECTRONIC LOCKS BY DISTRICT)
6.	LOCKDOWN:	INTERIOR TEACHERS' MANUAL LOCK FOR CAMPUS LOCK DOWN CRITERIA - REQUIRED FOR STATE-FUNDED SCHOOLS, PER EDUCATION CODE SECTION 17075.50 (AND ALSO CBC 1010.2.8.2): PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.2.4.
7.	STRIKE PLATE:	12ga. STRIKE PLATE (TYP. ALL EXTERIOR DOORS)

WINDOW TYPE	QTY.	FUNCTION	'W' WIDTH	'H' HEIGHT	FINISH	GLASS TYPE	U FACTOR	SHGC	VT MIN	MIN STC RATING	REMARKS
A	14	FIXED	10'-0"	4'-8"	DARK BRONZE ANODIZED	SOLAR GREY[6] OVER CLEAR	0.34 MAX	0.22 MAX	0.44	27	OPERABLE - SEE WINDOW TYPE FOR THE LOCATION OF MOTORIZED AWNINGS
B	15	FIXED	3'-4"	3'-6"	DARK BRONZE ANODIZED	SOLAR GREY[6] OVER CLEAR	0.34 MAX	0.22 MAX	0.44	27	OPERABLE - SEE WINDOW TYPE FOR THE LOCATION OF MOTORIZED AWNINGS
C	5	FIXED	3'-4"	3'-4"	DARK BRONZE ANODIZED	SOLAR GREY[6] OVER CLEAR	0.34 MAX	0.22 MAX	0.44	27	OPERABLE - SEE WINDOW TYPE FOR THE LOCATION OF MOTORIZED AWNINGS
D	10	FIXED	6'-0"	3'-4"	DARK BRONZE ANODIZED	SOLAR GREY[6] OVER CLEAR	0.34 MAX	0.22 MAX	0.44	27	OPERABLE - SEE WINDOW TYPE FOR THE LOCATION OF MOTORIZED AWNINGS
E	6	FIXED	6'-0"	4'-8"	DARK BRONZE ANODIZED	SOLAR GREY[6] OVER CLEAR	0.34 MAX	0.22 MAX	0.44	27	OPERABLE - SEE WINDOW TYPE FOR THE LOCATION OF MOTORIZED AWNINGS
F	12	FIXED	6'-0"	2'-0"	DARK BRONZE ANODIZED	SOLAR GREY[6] OVER CLEAR	0.34 MAX	0.22 MAX	0.44	27	OPERABLE - SEE WINDOW TYPE FOR THE LOCATION OF MOTORIZED AWNINGS
G	1	FIXED	9'-0"	3'-4"	DARK BRONZE ANODIZED	CLEAR TEMPERED	0.34 MAX	0.22 MAX	0.44	27	INOPERABLE

1. EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS, OR LAMINATED AS 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM. GLASS SHALL BE DUAL-PANE.
2. WINDOWS THAT MEETS ALL OF THE FOLLOWING CONDITIONS SPECIFIED IN SECTION 2406.4.3, SHALL BE CONSIDERED A HAZARDOUS LOCATION:
   - A. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET.
   - B. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE FINISH FLOOR.
   - C. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36" ABOVE FINISH FLOOR.
   - D. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.
3. WINDOWS THAT ARE CONSIDERED A HAZARDOUS LOCATION SHALL CONTAIN FULLY TEMPERED SAFETY GLAZING & MEET THE FOLLOWING REQUIREMENTS:
   - A. PASS THE IMPACT TEST REQUIREMENTS IN ACCORDANCE WITH "CPSC 16 CFR PART 1201" PER SECTION 2406.2, WITH A TEST CRITERIA OF CATEGORY II, UNLESS OTHERWISE INDICATED IN C.B.C. TABLE 2406.2(1).
   - B. IDENTIFICATION OF SAFETY GLAZING PER C.B.C. 2406.3
4. ALL WINDOWS SHALL HAVE METAL FRAMES AND BE MANUFACTURED BY OTHERS.
5. WINDOWS SHALL BE NFRC RATED
6. THE MINIMUM STANDARD GLASS TYPE FOR ALL WINDOWS SHALL SOLAR GREY GLAZING. UPGRADED GLAZING (LOW E, LOW E2, ETC.) MAY BE USED PER SITE SPECIFIC REQUIREMENTS. WINDOWS TO BE DUAL-PANE PER CA ENERGY CODE.
7. ALL NFRC RATED FENESTRATION AS NOTED ON THE WINDOW SCHEDULE REQUIRE TEMPORARY NFRC LABELS. TEMPORARY NFRC LABELS SHALL STAY ON FENESTRATION PRODUCTS UNTIL INSPECTOR HAS VERIFIED THAT THE INSTALLED U-FACTOR, SHGC, AND VT MATCH THE WINDOW SCHEDULE.

WINDOW SCHEDULE



T=TEMPERED PER SECTION 708A.2.1 NOTE 1 - WUI COMPLIANCES NOTE IN TS-A
M=MOTORIZED AWNING - SEE ELECTRICAL SHEETS FOR LOCATION OF OPEN/CLOSE SWITCH

WINDOW TYPES

EXTERIOR DOOR HARDWARE (NON-ELECTRIC LOCK DOORS)

1.	HINGES:	HAGER #790 CONTINUOUS HINGE.
2.	CLOSER:	NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. (5 LBS. MAX. PRESSURE)
3.	WEATHERSTRIPPING:	ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO S77 OR EQUAL, AT DOOR JAMBS AND HEAD.
4.	THRESHOLD:	THRESHOLD SHALL BE PEMKO 271 AV 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH042 DOOR BOTTOM.
5.	LOCKDOWN:	INTERIOR TEACHERS' MANUAL LOCK FOR CAMPUS LOCK DOWN CRITERIA - REQUIRED FOR STATE-FUNDED SCHOOLS, PER EDUCATION CODE SECTION 17075.50 (AND ALSO CBC 1010.2.8.2): PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.2.4.
6.	DOOR STOP:	IVES - WS447 WALL BUMPER (MOUNTED TO DOOR FOR ALL IN-SWING EXTERIOR DOORS)

INTERIOR DOOR HARDWARE

1.	HINGES:	HAGER 4-1/2x4-1/2 BUTTS, BB1279 US26D, 1-1/2 PAIR PER DOOR, WITH SET SCREW IN BARREL AND BALL BEARING DESIGN.
2.	CLOSER:	NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. (5 LBS. MAX. PRESSURE)
3.	DOORSTOP	IVES - WS447 WALL BUMPER (MOUNTED TO DOOR FOR ALL IN-SWING EXTERIOR DOORS)

*ADDITIONAL DOORS MAY BE REQUIRED BASED ON BUILDING LAYOUT.

DOOR HARDWARE SCHEDULE

FINISHES				WALLS						
ROOM NUMBER	ROOM NAME	FLOOR	BASE	FRONT	REAR	RIGHT	LEFT	CEILING	CEILING HEIGHT	REMARKS
	BUILDING C									
C101	ART CLASSROOM	C/B	D	F	F	F	F	K	9'-6"	SINK /WALK OFF MAT @ ENTRY
C102	COUNSELING	A/B	D	F	F	F	F	K	9'-6"	WALK OFF MAT @ ENTRY
C103	WELLNESS	A/B	D	F	F	F	F	K	9'-6"	SINK /WALK OFF MAT @ ENTRY
C104	CONFERENCE ROOM	A/B	D	F	F	F	F	K	9'-6"	WALK OFF MAT @ ENTRY
C105	SPEECH	A/B	D	F	F	F	F	K	9'-6"	SINK /WALK OFF MAT @ ENTRY
C106	UTILITY ROOM	O	D	H	H	H	H	K	9'-6"	
	BUILDING D									
D101 - D102	COMPUTER/MAKER - MUSIC	A/B	D	F	F	F	F	K	9'-6"	SINK /WALK OFF MAT @ ENTRY
D103	BOY'S RR	R	S	N	N	N	N	M	9'-0"	
D104	GIRL'S RR	R	S	N	N	N	N	M	9'-0"	
D105	RISER ROOM	O	D	H	H	H	H		-	OPEN ABOVE
	BUILDING E									
E101	OT/PT ROOM	C/B	D	F	F	F	F	K	9'-6"	SINK /WALK OFF MAT @ ENTRY
E102 - E106	CLASSROOMS	A/B	D	F	F	F	F	K	9'-6"	SINK /WALK OFF MAT @ ENTRY
E107	PE OFFICE	A/B	D	F	F	F	F	K	9'-6"	
E108	UTILITY ROOM	O	D	H	H	H	H	K	9'-0"	
E109	P.E. UTILITY ROOM	O	D	H	H	H	H	K	9'-6"	
	BUILDING F									
F101	JANITOR	O	S	J	J	J	J	M	9'-0"	
F102	BOY'S RR	R	S	N	N	N	N	M	9'-0"	
F103	GIRL'S RR	R	S	N	N	N	N	M	9'-0"	
F104 - F105	GENDER NEUTRAL RR	R	S	N	N	N	N	M	9'-0"	
F106 - F107	STAFF RR	R	S	N	N	N	N	M	9'-0"	
F108	UTILITY ROOM	O	D	H	H	H	H	K	9'-0"	
F109 - F112	CLASSROOMS	A/B	D	F	F	F	F	K	9'-6"	SINK /WALK OFF MAT @ ENTRY
F113	FLEX ROOM	C/B	D	F	F	F	F	K	9'-6"	SINK /WALK OFF MAT @ ENTRY

FINISH INDICATOR OPTIONS

A - CARPET TILE; TARKETT
B - WALK OF CARPET - TARKETT
C - VINYL SHEET FLOORING; 0.6 MIN, C.D.F. PER ASTM D 2047
D - TOP SET BASE; 4" ROPPE SERIES 700 COLOR SMOKE
F - WALL FINISH; 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING (2 COLORS FOR EACH CLASSROOM)
H - 3/4" PLYWOOD, w/(2) COATS OF WHITE FIRE RETARDANT PAINT
J - 3/32" F.R.P.; OVER 1/2" W.R. GYP BOARD
K - ACOUSTICAL LAY-IN GRID CEILING PANELS; 2'x2', "ARMSTRONG" #1752 FINE FISSURED HIGH NRC
M - 5/8" TYPE 'X' MOISTURE RESISTANT GYP BOARD; TAPE, TEXTURE, PAINTED FINISH
N - CERAMIC TILE 4"X4" - (FULL HEIGHT AT WALLS) BY DALTILE INC. w/SANITARY COVE (PROVIDE CERAMIC TILE GROUT SEALER)
O - EXPOSED CONCRETE WITH CONCRETE SEALER
R - CERAMIC TILE FLOORING 2"X 2", NON GLOSS, SLIP RESISTANT FRICTION OF 0.6 MIN. BY DALTILE INC. (PROVIDE CERAMIC TILE GROUT SEALER)
S- CERAMIC 4x4 COVE BASE

ROOM FINISHES SCHEDULE

WINDOW GLAZING AREA TABLE			
BUILDING SIZE (FT)	MAX ALLOWED AREA AT FRONT (SQ FT)**	MAX ALLOWED AREA AT REAR (SQ FT)**	MAX TOTAL ALLOWED AREA (SQ FT)*
~~28'x36'~~	~~80~~	~~80~~	~~160~~
~~42'x36'~~	~~160~~	~~80~~	~~240~~
~~56'x36'~~	~~160~~	~~160~~	~~320~~
70'x36'	240	160	400
84'x36'	240	240	480
98'x36'	320	240	560
~~112'x36'~~	~~320~~	~~320~~	~~640~~
~~126'x36'~~	~~400~~	~~320~~	~~720~~
~~140'x36'~~	~~400~~	~~400~~	~~800~~

** MAX SQUARE FOOTAGES ALLOWED CAN BE USED ALTERNATED FROM FRONT TO REAR OR REAR TO FRONT BUT NOT COMBINED.
* WINDOW PLACEMENT & SIZE MAY VARY AS TITLE 24 MODEL REFLECTS THE LARGEST WINDOW OPTION.
THE TOTAL WINDOW AREA OF ANY BUILDING MAY NOT EXCEED THE MAXIMUM ALLOWED WINDOW AREA (SQ. FT.) LISTED ON THE TABLE ABOVE. IF A BUILDING EXCEEDS THE MAXIMUM AREA, A PROJECT SPECIFIC TITLE 24 REPORTS SHALL BE PROVIDED.

WINDOW GLAZING AREA TABLE

DOOR HARDWARE NOTES

1. 11B-404.2.3 CLEAR WIDTH
   DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (813 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (914 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES (864 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES (864 MM) AND 80 INCHES (2032 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (102 MM).

   EXCEPTIONS:
   1. IN ALTERATIONS, A PROJECTION OF 5/8 INCH (15.9 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP.
   2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES (1981 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

2. HANDLES, PULLS, LATCHES, LOCKS AND OTHERS OPERABLE PARTS ON DOORS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 lbs. MAX. (11B-404.2.7, 11B-309.4)

3. DOORS SHALL BE OPERABLE FROM INSIDE WITH A SINGLE MOTION W/O THE USE OF ANY TOOLS, EFFORT, OR SPECIAL KNOWLEDGE.

4. EMERGENCY EXIT AND PANIC HARDWARE
   EMERGENCY EXIT AND PANIC HARDWARE SHALL COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302
   A) THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE
   D) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD
RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-27

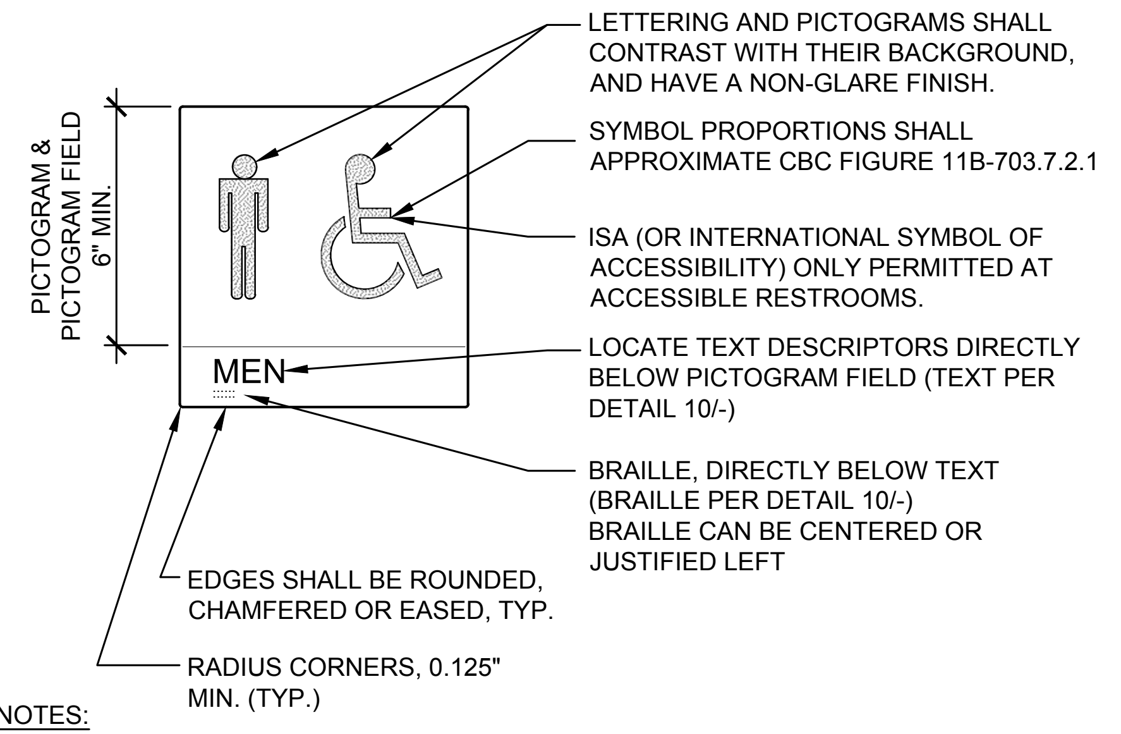
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY:	AV
SCALE:	AS NOTED
DATE:	3/5/26
PROJECT NO:	1902-24

SHEET TITLE:
TYPICAL SCHEDULES
DOORS, WINDOWS
& FINISHES

SHEET NUMBER:
N3.0-A

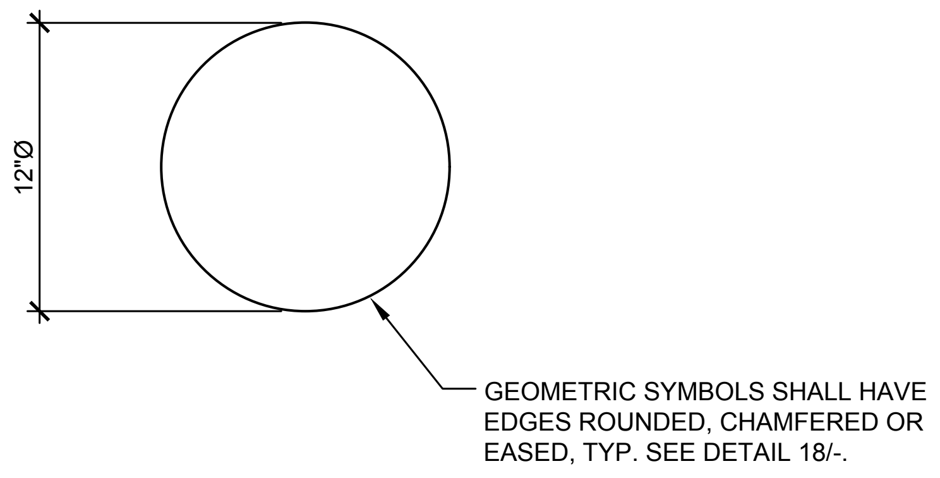

PICTOGRAM & PICTOGRAM FIELD 6" MIN.
MEN
LETTERING AND PICTOGRAMS SHALL CONTRAST WITH THEIR BACKGROUND, AND HAVE A NON-GLARE FINISH.
SYMBOL PROPORTIONS SHALL APPROXIMATE CBC FIGURE 11B-703.7.2.1
ISA (OR INTERNATIONAL SYMBOL OF ACCESSIBILITY) ONLY PERMITTED AT ACCESSIBLE RESTROOMS.
LOCATE TEXT DESCRIPTORS DIRECTLY BELOW PICTOGRAM FIELD (TEXT PER DETAIL 10/-)
BRAILLE, DIRECTLY BELOW TEXT (BRAILLE PER DETAIL 10/-) BRAILLE CAN BE CENTERED OR JUSTIFIED LEFT
EDGES SHALL BE ROUNDED, CHAMFERED OR EASED, TYP.
RADIUS CORNERS, 0.125" MIN. (TYP.)

NOTES:
1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
2. LOCATE PER DETAIL 4/-
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
4. ISA COLOR AND PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1

WALL MOUNTED RESTROOM SYMBOLS-MEN

NOT TO SCALE

1

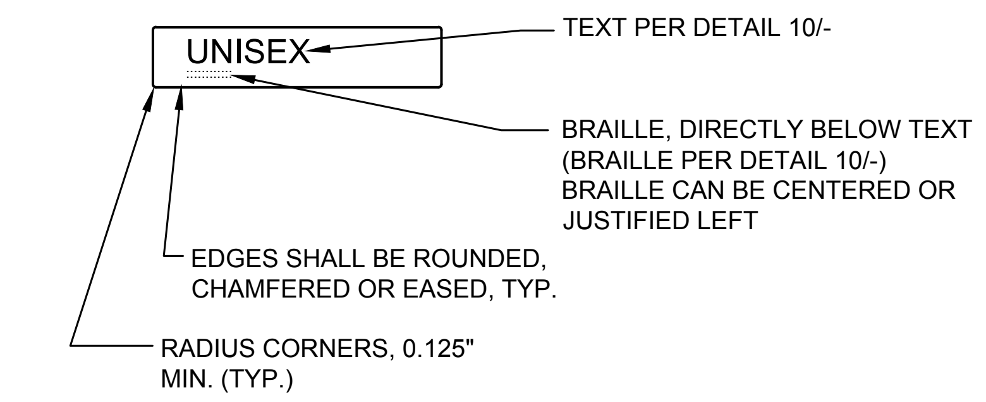

12"Ø
GEOMETRIC SYMBOLS SHALL HAVE EDGES ROUNDED, CHAMFERED OR EASED, TYP. SEE DETAIL 18/-.

NOTES:
1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH DOOR MATERIAL.
2. LOCATE PER DETAIL 4/-.
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
4. GEOMETRIC SYMBOLS SHALL COMPLY WITH 11B-703.7.2.6 - SEE DETAIL 18/-
5. ISA COLOR AND PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1

DOOR MOUNTED RESTROOM SYMBOLS-WOMEN

NOT TO SCALE

2

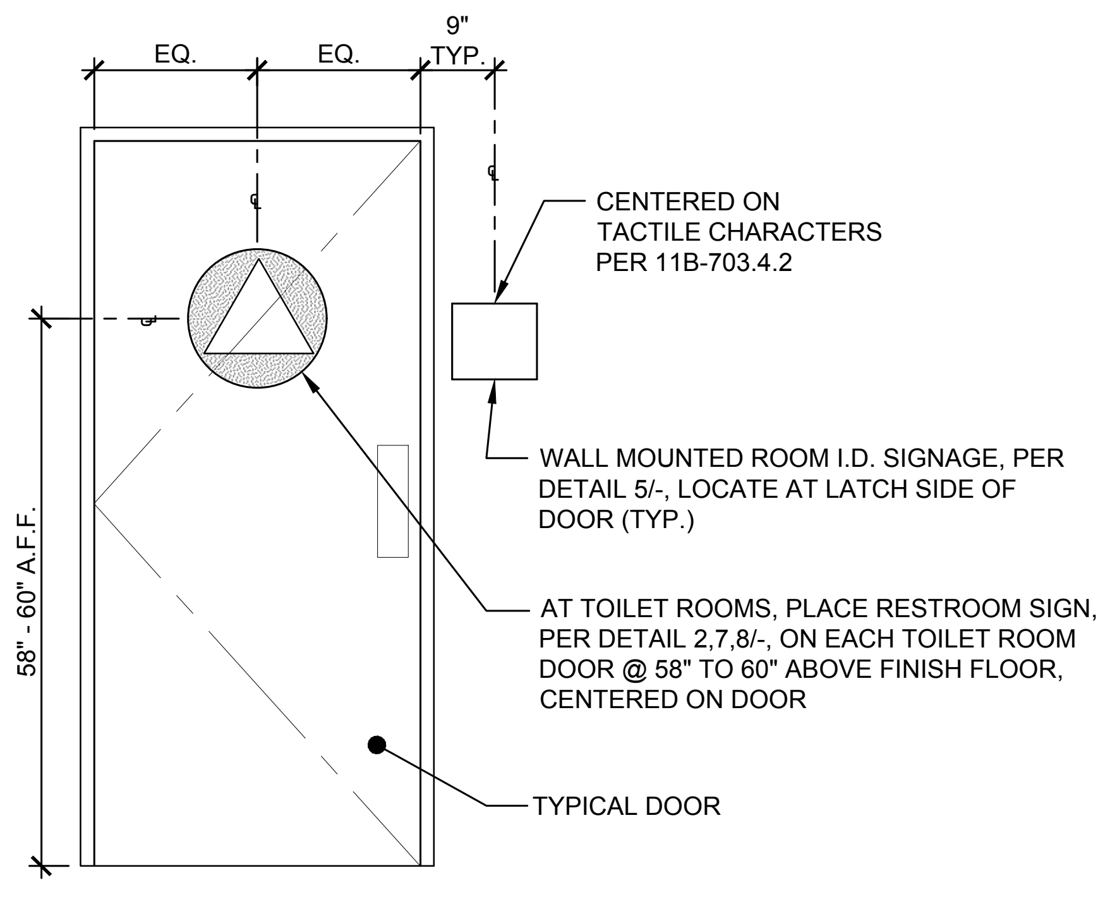

UNISEX
TEXT PER DETAIL 10/-
BRAILLE, DIRECTLY BELOW TEXT (BRAILLE PER DETAIL 10/-) BRAILLE CAN BE CENTERED OR JUSTIFIED LEFT
EDGES SHALL BE ROUNDED, CHAMFERED OR EASED, TYP.
RADIUS CORNERS, 0.125" MIN. (TYP.)

NOTES:
1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
2. LOCATE PER DETAIL 4/-.
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
4. THE UNISEX WALL-MOUNTED SIGN SHALL HAVE RAISED TEXT, CORRESPONDING BRAILLE, AND NO PICTOGRAM (DSA BU 17-01)
5. ISA COLOR AND PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1

WALL MOUNTED RESTROOM SYMBOLS-UNISEX

NOT TO SCALE

3

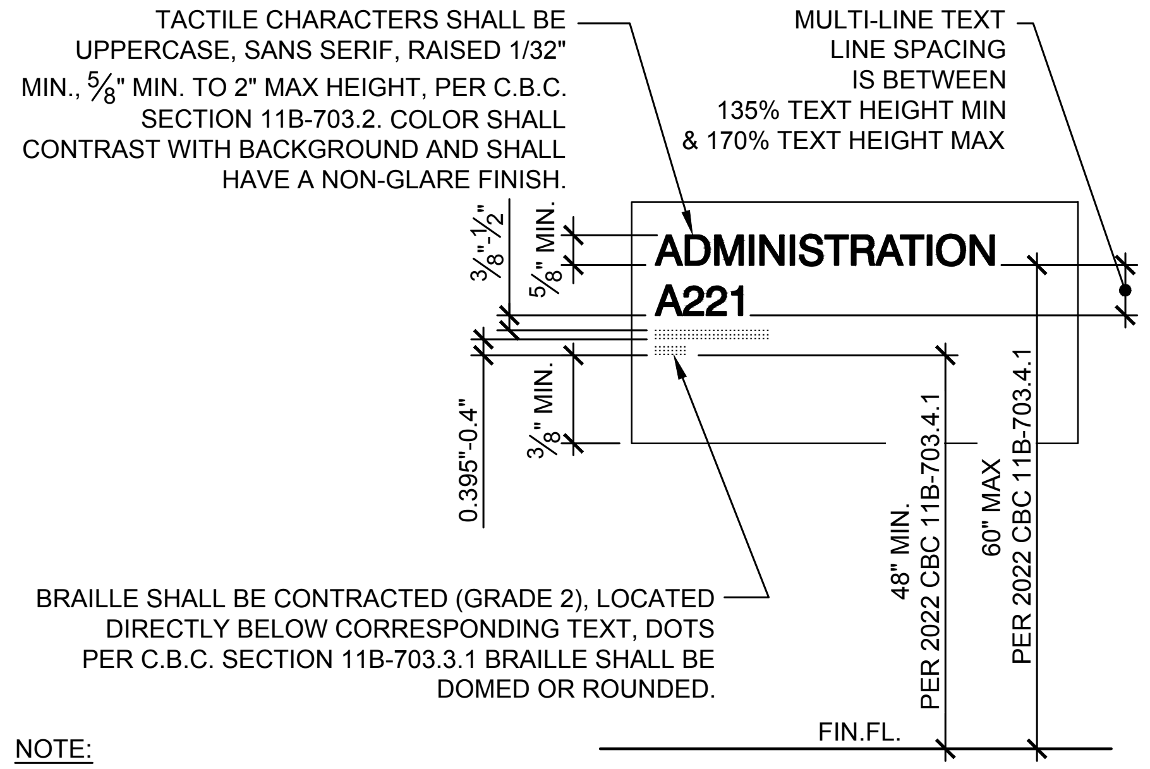

EQ.
EQ.
9" TYP.
58" - 60" A.F.F.
CENTERED ON TACTILE CHARACTERS PER 11B-703.4.2
WALL MOUNTED ROOM I.D. SIGNAGE, PER DETAIL 5/-, LOCATE AT LATCH SIDE OF DOOR (TYP.)
AT TOILET ROOMS, PLACE RESTROOM SIGN, PER DETAIL 2,7,8/-, ON EACH TOILET ROOM DOOR @ 58" TO 60" ABOVE FINISH FLOOR, CENTERED ON DOOR
TYPICAL DOOR

NOTE:
SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.

ROOM IDENTIFICATION SIGNAGE

NOT TO SCALE

4

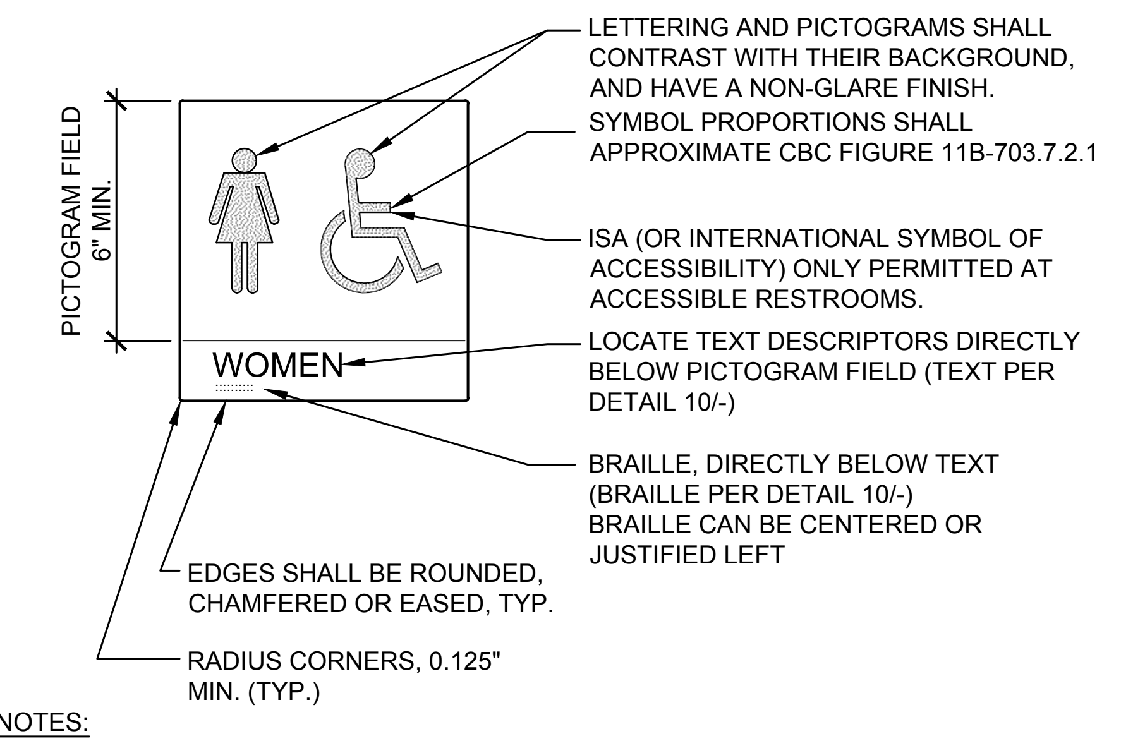

TACTILE CHARACTERS SHALL BE UPPERCASE, SANS SERIF, RAISED 1/32" MIN., 5/8" MIN. TO 2" MAX HEIGHT, PER C.B.C. SECTION 11B-703.2. COLOR SHALL CONTRAST WITH BACKGROUND AND SHALL HAVE A NON-GLARE FINISH.
MULTI-LINE TEXT LINE SPACING IS BETWEEN 135% TEXT HEIGHT MIN & 170% TEXT HEIGHT MAX
ADMINISTRATION
A221
3/8"-1/2"
5/8" MIN.
0.395"-0.4"
3/8" MIN.
48" MIN. PER 2022 CBC 11B-703.4.1
60" MAX PER 2022 CBC 11B-703.4.1
BRAILLE SHALL BE CONTRACTED (GRADE 2), LOCATED DIRECTLY BELOW CORRESPONDING TEXT, DOTS PER C.B.C. SECTION 11B-703.3.1 BRAILLE SHALL BE DOMED OR ROUNDED.
FIN.FL.

NOTE:
1. PER 11B-216 2022, NEW OR ALTERED SIGNAGE SHALL COMPLY WITH C.B.C. SECTION 11B-703.
2. FOR REQUIRED TACTILE & NON-TACTILE SIGNS LOCATIONS, SEE SHEET N2.0, ACCESSIBILITY STANDARDS, "SECTION 11B-216".
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
4. ATTACH SIGNS USING ADHESIVE OR MIN (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
5. SIGN TO BE PLACED PER DETAIL 4/-

PERMANENT ROOM I.D. SIGNAGE

NOT TO SCALE

5

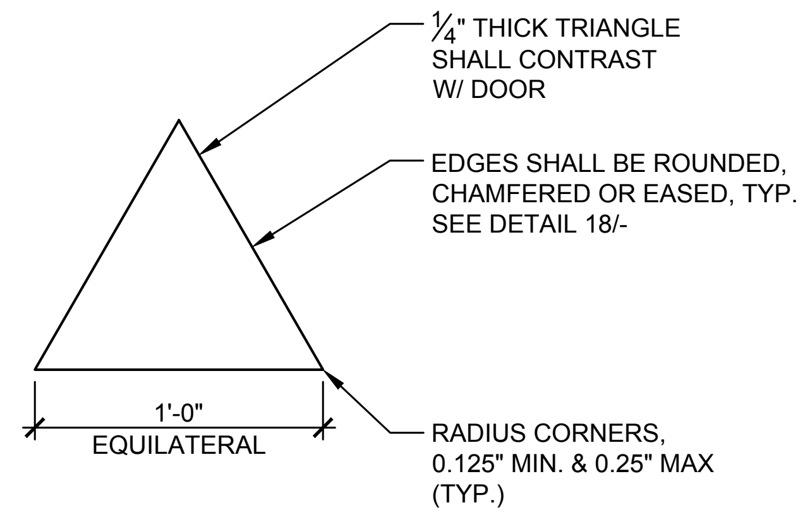

PICTOGRAM FIELD 6" MIN.
WOMEN
LETTERING AND PICTOGRAMS SHALL CONTRAST WITH THEIR BACKGROUND, AND HAVE A NON-GLARE FINISH.
SYMBOL PROPORTIONS SHALL APPROXIMATE CBC FIGURE 11B-703.7.2.1
ISA (OR INTERNATIONAL SYMBOL OF ACCESSIBILITY) ONLY PERMITTED AT ACCESSIBLE RESTROOMS.
LOCATE TEXT DESCRIPTORS DIRECTLY BELOW PICTOGRAM FIELD (TEXT PER DETAIL 10/-)
BRAILLE, DIRECTLY BELOW TEXT (BRAILLE PER DETAIL 10/-) BRAILLE CAN BE CENTERED OR JUSTIFIED LEFT
EDGES SHALL BE ROUNDED, CHAMFERED OR EASED, TYP.
RADIUS CORNERS, 0.125" MIN. (TYP.)

NOTES:
1. ATTACH SIGNS USING ADHESIVE AND (2) TW0 FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
2. LOCATE PER DETAIL 4/-
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
4. ISA COLOR AND PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1

WALL MOUNTED RESTROOM SYMBOLS-WOMEN

NOT TO SCALE

6

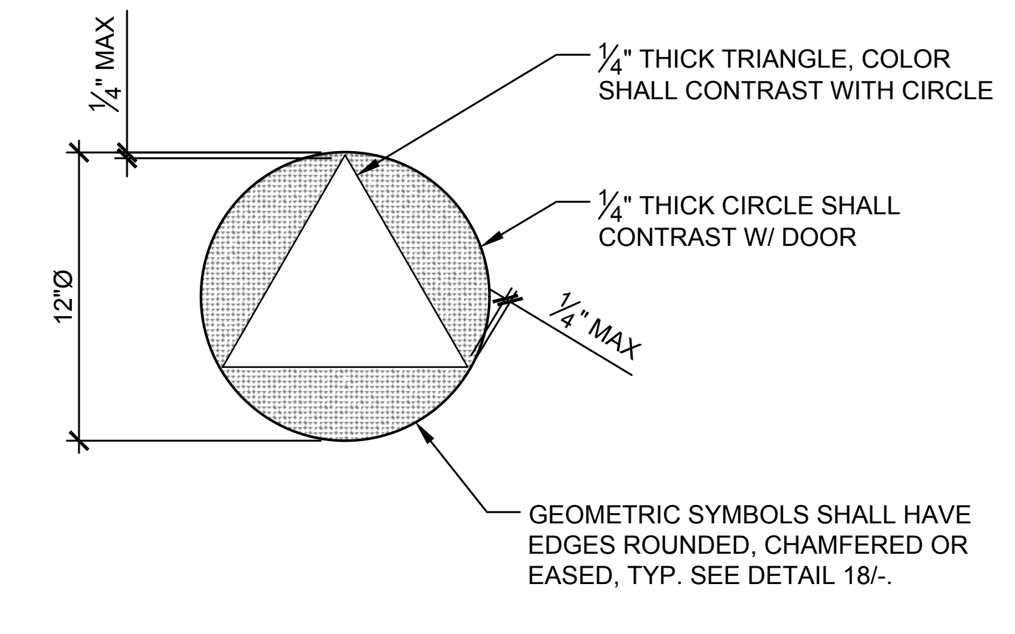

1/4" THICK TRIANGLE SHALL CONTRAST W/ DOOR
EDGES SHALL BE ROUNDED, CHAMFERED OR EASED, TYP. SEE DETAIL 18/-
1'-0" EQUILATERAL
RADIUS CORNERS, 0.125" MIN. & 0.25" MAX (TYP.)

NOTES:
1. ATTACH SIGNS USING ADHESIVE AND (2) TW0 FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH DOOR MATERIAL.
2. LOCATE PER DETAIL 4/-
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
4. GEOMETRIC SYMBOLS SHALL COMPLY WITH 11B-703.7.2.6 - SEE DETAIL 18/-
5. ISA COLOR AND PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1

DOOR MOUNTED RESTROOM SYMBOL-MEN

NOT TO SCALE

7

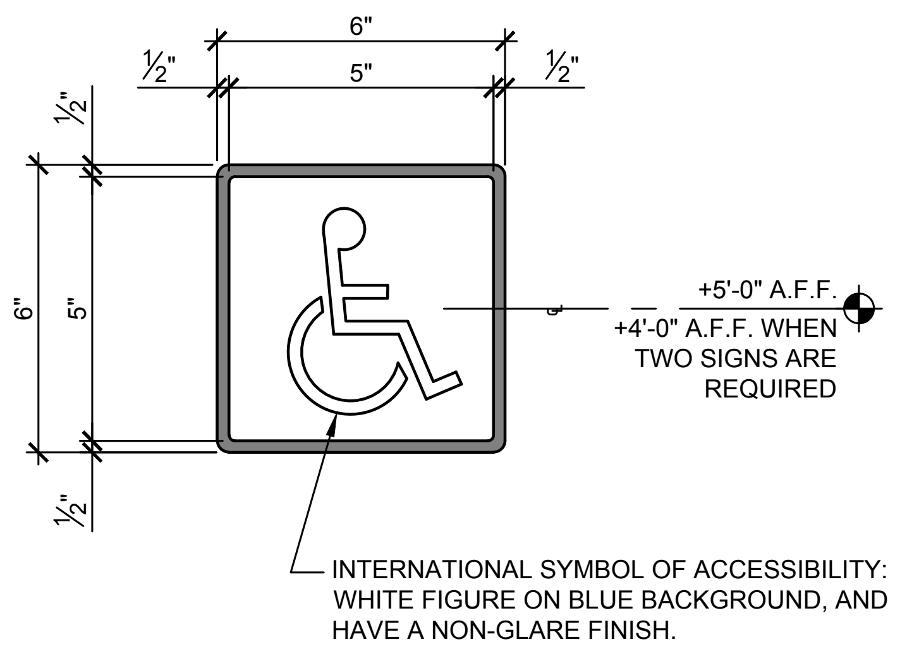

1/4" MAX
12"Ø
1/4" THICK TRIANGLE, COLOR SHALL CONTRAST WITH CIRCLE
1/4" THICK CIRCLE SHALL CONTRAST W/ DOOR
1/4" MAX
GEOMETRIC SYMBOLS SHALL HAVE EDGES ROUNDED, CHAMFERED OR EASED, TYP. SEE DETAIL 18/-.

NOTES:
1. ATTACH SIGNS USING ADHESIVE AND (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH DOOR MATERIAL.
2. LOCATE PER DETAIL 4/-
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
4. GEOMETRIC SYMBOLS SHALL COMPLY WITH 11B-703.7.2.6 - SEE DETAIL 18/-
5. UNISEX DOOR SYMBOL SHALL BE PROVIDED WITHOUT TEXT, BRAILLE OR THE USE OF A PICTOGRAM PER DSA BU 17-01
6. ISA COLOR AND PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1

DOOR MOUNTED RESTROOM SYMBOLS-UNISEX

NOT TO SCALE

8

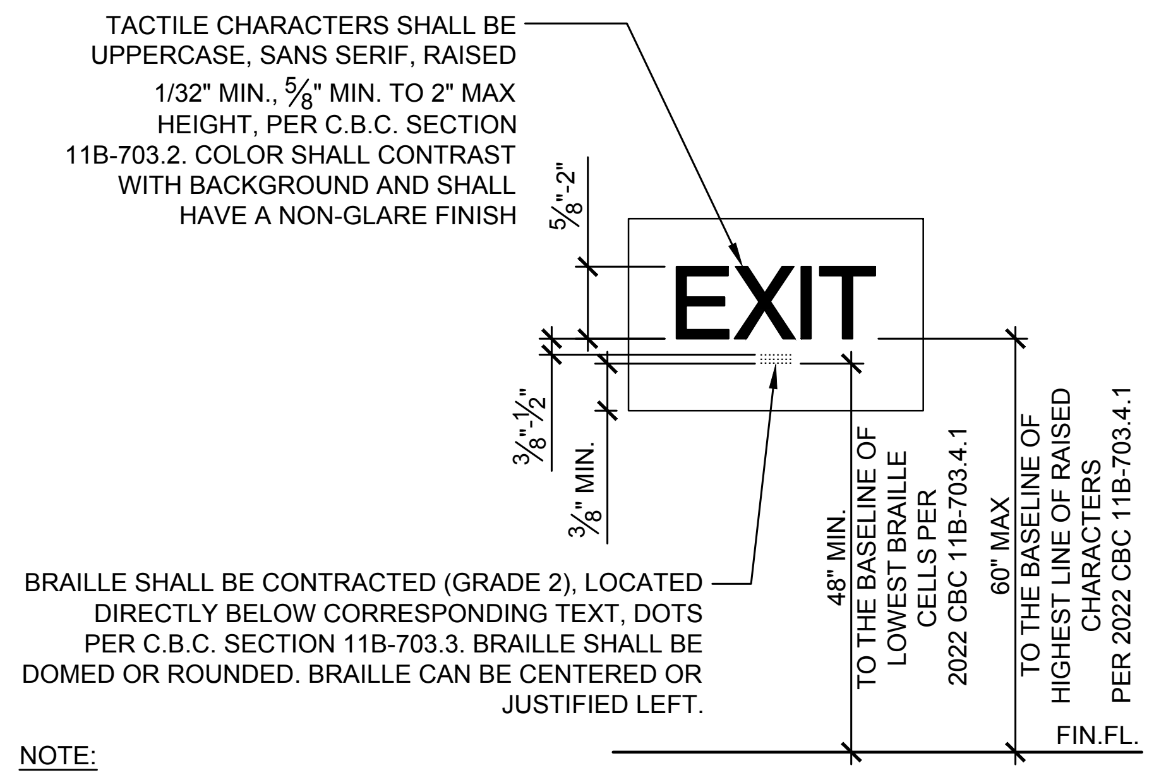

6"
1/2"
5"
1/2"
1/2"
6"
5"
1/2"
+5'-0" A.F.F.
+4'-0" A.F.F. WHEN TWO SIGNS ARE REQUIRED
INTERNATIONAL SYMBOL OF ACCESSIBILITY: WHITE FIGURE ON BLUE BACKGROUND, AND HAVE A NON-GLARE FINISH.

NOTES:
1. PROVIDE MECHANICAL MOUNTING w/VANDAL RESISTANT FASTENERS. PROVIDE ADHESIVE MOUNTING SYSTEM WHEN ATTACHED TO GLAZING.
2. SYMBOL PER C.B.C. SECTION 11B-703.7.2.1
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.

INT'L SYMBOL OF ACCESSIBILITY

NOT TO SCALE

9


TACTILE CHARACTERS SHALL BE UPPERCASE, SANS SERIF, RAISED 1/32" MIN., 5/8" MIN. TO 2" MAX HEIGHT, PER C.B.C. SECTION 11B-703.2. COLOR SHALL CONTRAST WITH BACKGROUND AND SHALL HAVE A NON-GLARE FINISH
5/8"-2"
EXIT
3/8"-1/2"
3/8" MIN.
48" MIN. TO THE BASELINE OF LOWEST BRAILLE CELLS PER 2022 CBC 11B-703.4.1
60" MAX TO THE BASELINE OF HIGHEST LINE OF RAISED CHARACTERS PER 2022 CBC 11B-703.4.1
BRAILLE SHALL BE CONTRACTED (GRADE 2), LOCATED DIRECTLY BELOW CORRESPONDING TEXT, DOTS PER C.B.C. SECTION 11B-703.3. BRAILLE SHALL BE DOMED OR ROUNDED. BRAILLE CAN BE CENTERED OR JUSTIFIED LEFT.
FIN.FL.

NOTE:
1. PER 11B-216, NEW OR ALTERED SIGNAGE SHALL COMPLY WITH C.B.C. SECTION 11B-703.
2. FOR REQUIRED TACTILE AND NON-TACTILE SIGNS LOCATIONS, SEE SHEET N2.0, ACCESSIBILITY STANDARDS, "SECTION 11B-216".
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
4. ATTACH SIGNS USING ADHESIVE OR MIN (2) TWO FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
5. SIGN TO BE PLACED PER DETAIL 4/-

TACTILE SIGNAGE REQUIREMENTS

NOT TO SCALE

10

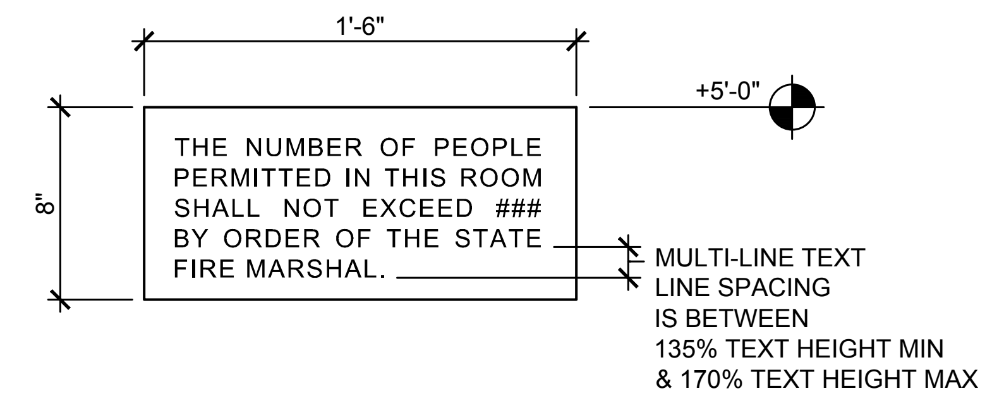
A. TYPESTYLE: 1" HIGH BLOCK 1/16" THICK ENGRAVED PLASTIC.

B. MOUNTING: (4) #8x1" SCREWS OR SELF-ADHESIVE. HEIGHT AS SHOWN.

C. CAPACITY POSTING PER C.B.C. SECTION 1004.3 "THIS ROOM SHALL BE POSTED WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM".

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

E. THE SIGN SHALL BE WORDED AS FOLLOWS, WITH THE APPROPRIATE CAPACITY NUMBER LISTED:

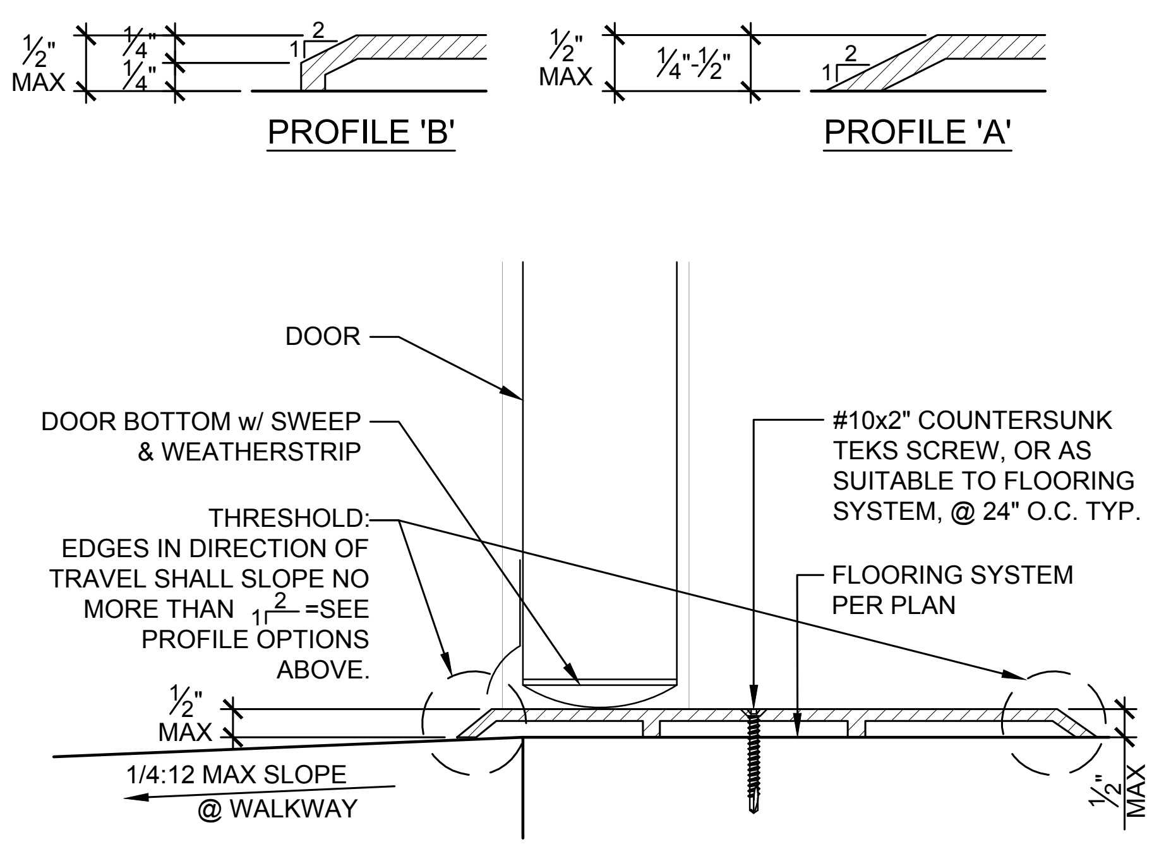

1'-6"
+5'-0"
8"
THE NUMBER OF PEOPLE PERMITTED IN THIS ROOM SHALL NOT EXCEED ### BY ORDER OF THE STATE FIRE MARSHAL.
MULTI-LINE TEXT LINE SPACING IS BETWEEN 135% TEXT HEIGHT MIN & 170% TEXT HEIGHT MAX

NOTES:
1. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
2. 11B-216.3 SIGNS THAT PROVIDE INFORMATION ABOUT INTERIOR SPACES SHALL COMPLY WITH SECTION 11B-703.5

OCCUPANT LOAD SIGN

NOT TO SCALE

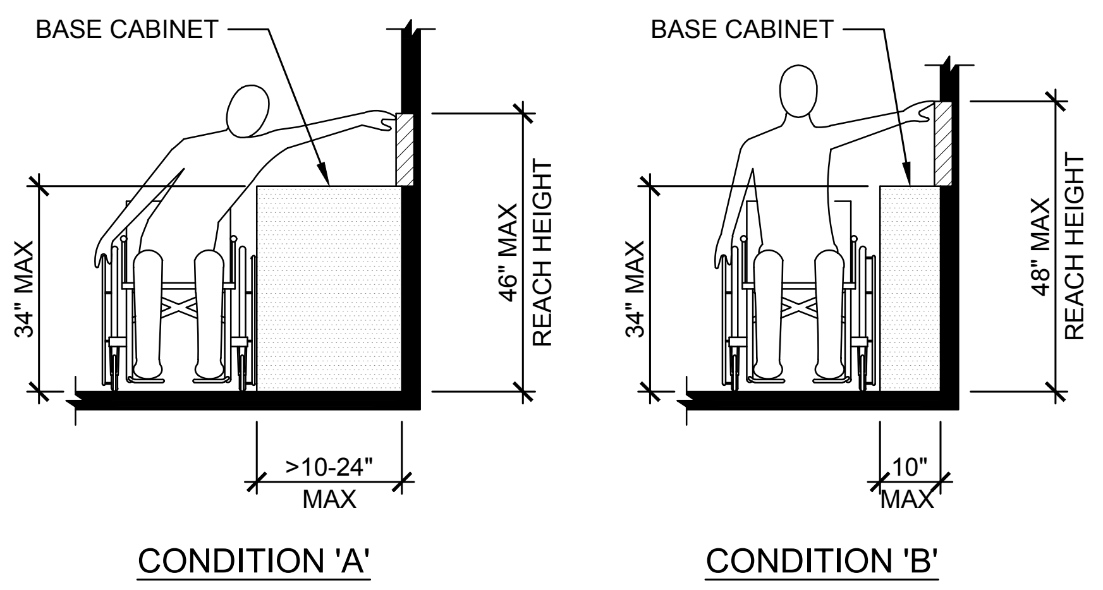
11


1/2" MAX
1/4"
1/4"
PROFILE 'B'
1/2" MAX
1/4"-1/2"
PROFILE 'A'
DOOR
DOOR BOTTOM w/ SWEEP & WEATHERSTRIP
THRESHOLD: EDGES IN DIRECTION OF TRAVEL SHALL SLOPE NO MORE THAN 1:2 =SEE PROFILE OPTIONS ABOVE.
#10x2" COUNTERSUNK TEKS SCREW, OR AS SUITABLE TO FLOORING SYSTEM, @ 24" O.C. TYP.
FLOORING SYSTEM PER PLAN
1/2" MAX
1/4:12 MAX SLOPE @ WALKWAY
1/2" MAX

THRESHOLD @ EXTERIOR DOOR

NOT TO SCALE

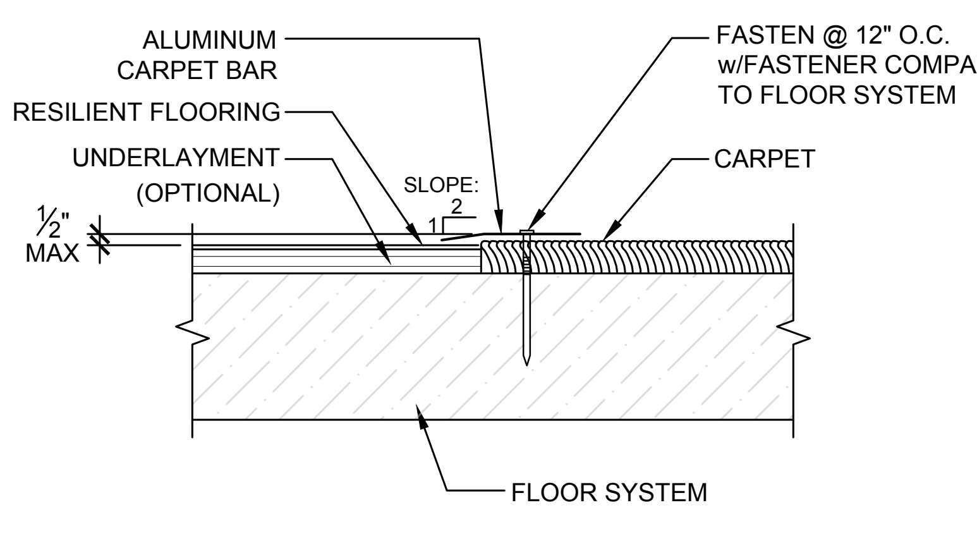
12


BASE CABINET
34" MAX
46" MAX REACH HEIGHT
>10-24" MAX
CONDITION 'A'
BASE CABINET
34" MAX
48" MAX REACH HEIGHT
10" MAX
CONDITION 'B'

SIDE REACH AT BASE CABINET

NOT TO SCALE

13


ALUMINUM CARPET BAR
RESILIENT FLOORING
UNDERLAYMENT (OPTIONAL)
1/2" MAX
SLOPE: 1:2
FASTEN @ 12" O.C. w/FASTENER COMPATIBLE TO FLOOR SYSTEM
CARPET
FLOOR SYSTEM

FLOORING TRANSITION DETAIL

NOT TO SCALE

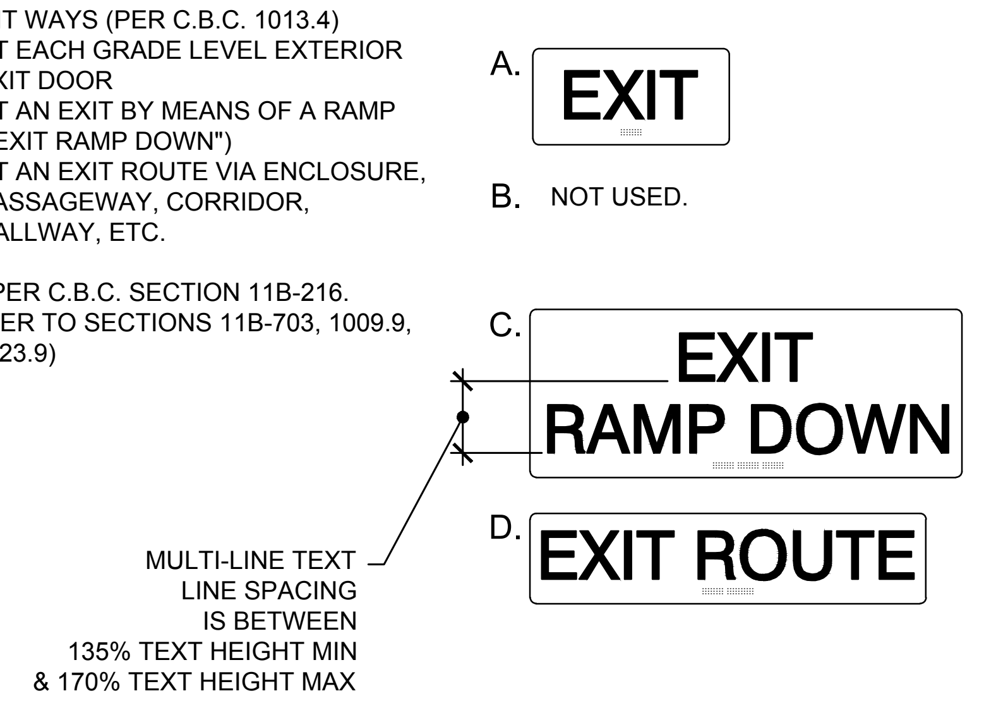
14

ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED AT THE FOLLOWING:
(PER CBC 1009.10)

- AT EXIT WAYS (PER C.B.C. 1013.4)
  1. AT EACH GRADE LEVEL EXTERIOR EXIT DOOR
  2. AT AN EXIT BY MEANS OF A RAMP ("EXIT RAMP DOWN")
  3. AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR, HALLWAY, ETC.

SIGNAGE PER C.B.C. SECTION 11B-216.
(ALSO REFER TO SECTIONS 11B-703, 1009.9, 1009.10, 1023.9)

SIGN REQUIREMENTS PER DETAIL 10/- & 16/-

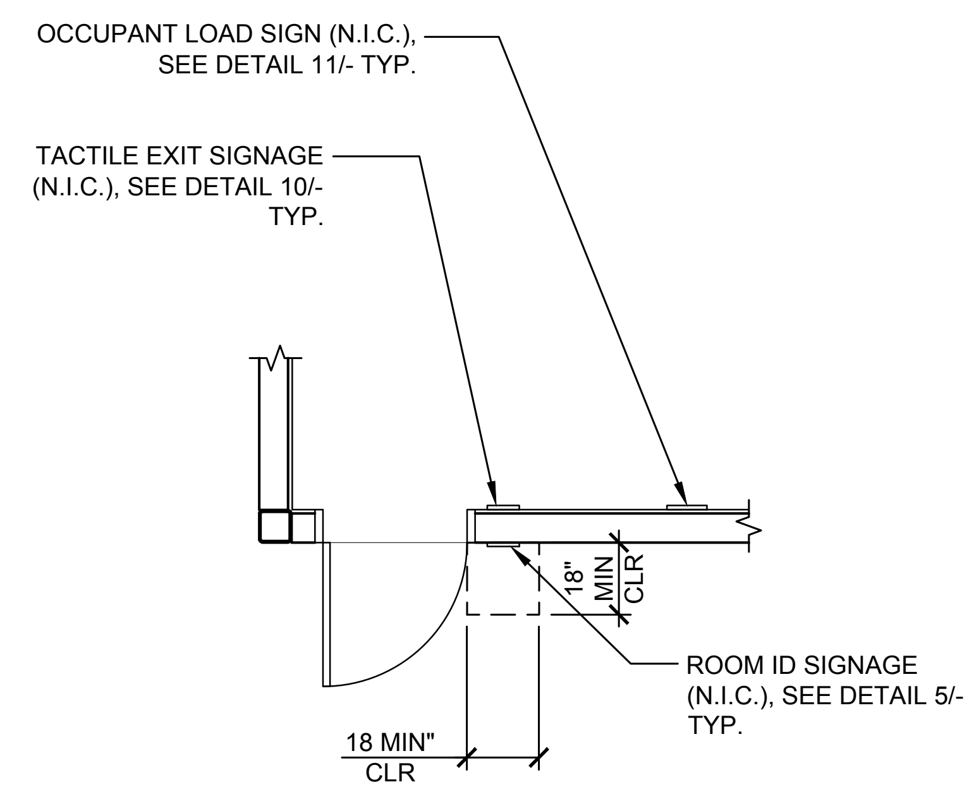

A.
EXIT
B. NOT USED.
C.
EXIT
RAMP DOWN
D.
EXIT ROUTE
MULTI-LINE TEXT LINE SPACING IS BETWEEN 135% TEXT HEIGHT MIN & 170% TEXT HEIGHT MAX

NOTE:
1. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.

EGRESS SIGNAGE

NOT TO SCALE

15


OCCUPANT LOAD SIGN (N.I.C.), SEE DETAIL 11/- TYP.
TACTILE EXIT SIGNAGE (N.I.C.), SEE DETAIL 10/- TYP.
18" MIN CLR
ROOM ID SIGNAGE (N.I.C.), SEE DETAIL 5/- TYP.
18 MIN" CLR

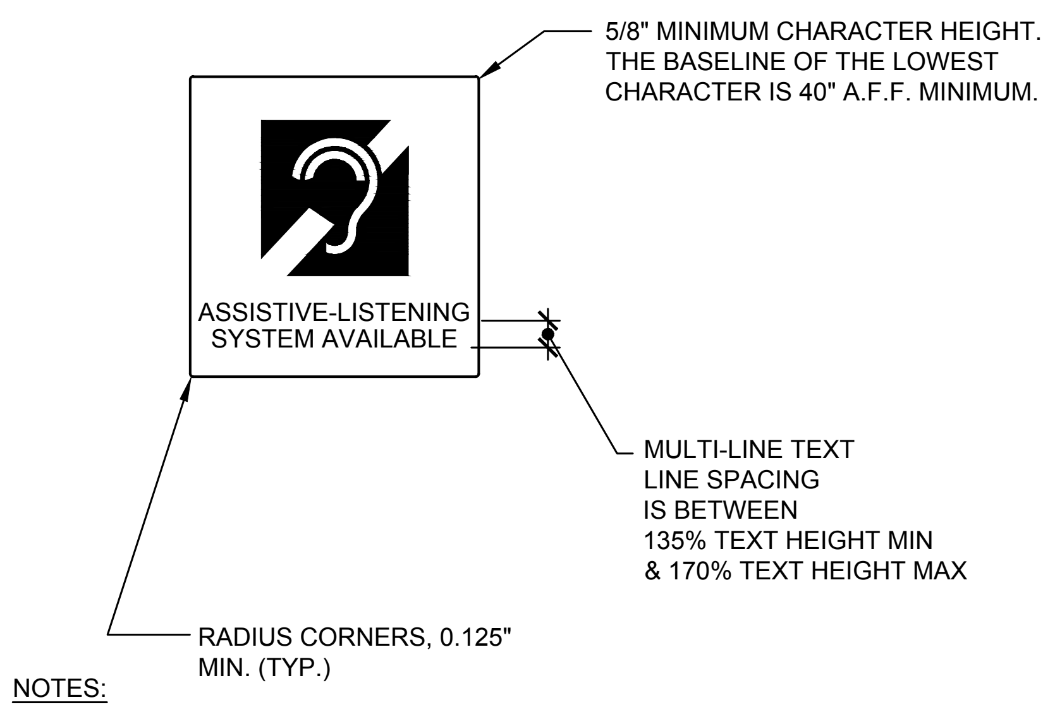
NOTE:

18" MIN CLEAR FLOOR SPACE SHALL BE CENTERED ON THE TACTILE CHARACTERS OF THE SIGN PER 11B-703.4.4.2

TYPICAL CLASSROOM SIGNAGE LOCATION

NOT TO SCALE

16


5/8" MINIMUM CHARACTER HEIGHT. THE BASELINE OF THE LOWEST CHARACTER IS 40" A.F.F. MINIMUM.
ASSISTIVE-LISTENING SYSTEM AVAILABLE
MULTI-LINE TEXT LINE SPACING IS BETWEEN 135% TEXT HEIGHT MIN & 170% TEXT HEIGHT MAX
RADIUS CORNERS, 0.125" MIN. (TYP.)

NOTES:
1. ATTACH SIGNS USING ADHESIVE AND (2) TW0 FLATHEAD COUNTERSUNK SCREWS, COMPATIBLE WITH WALL MATERIAL.
2. LOCATE AT OR NEAR THE ENTRANCE IN A PROMINENT PLACE. (11B-216.10)
3. SIGNS ARE NOT IN MODULAR MFR. SCOPE OF WORK.
4. SYMBOL PER CBC SECTION 11B-703.7.2.4
5. THE SIGN SHALL COMPLY WITH 11B-703.5 AND TABLE 11B-703.5.5.
6. ISA COLOR AND PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1

ASSISTIVE LISTENING SIGN

NOT TO SCALE

17

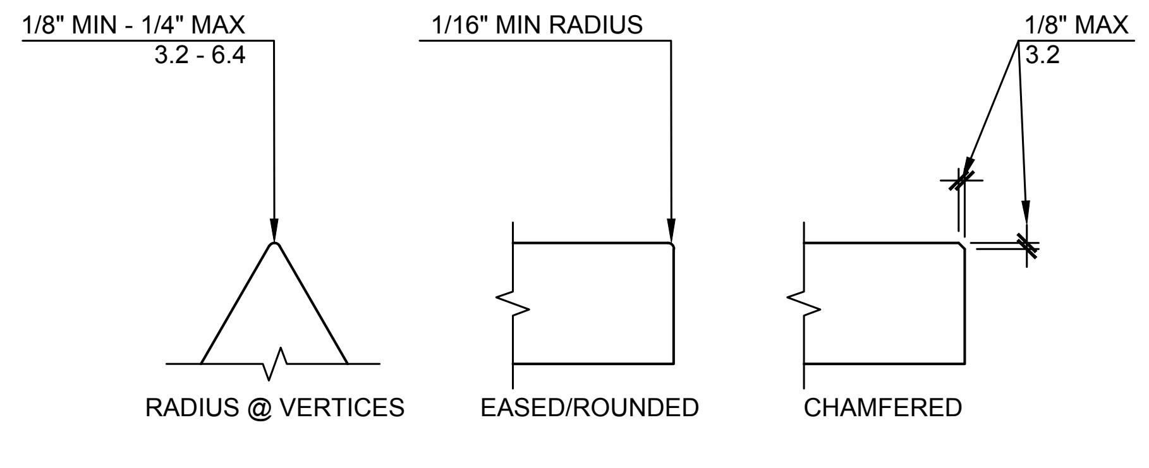
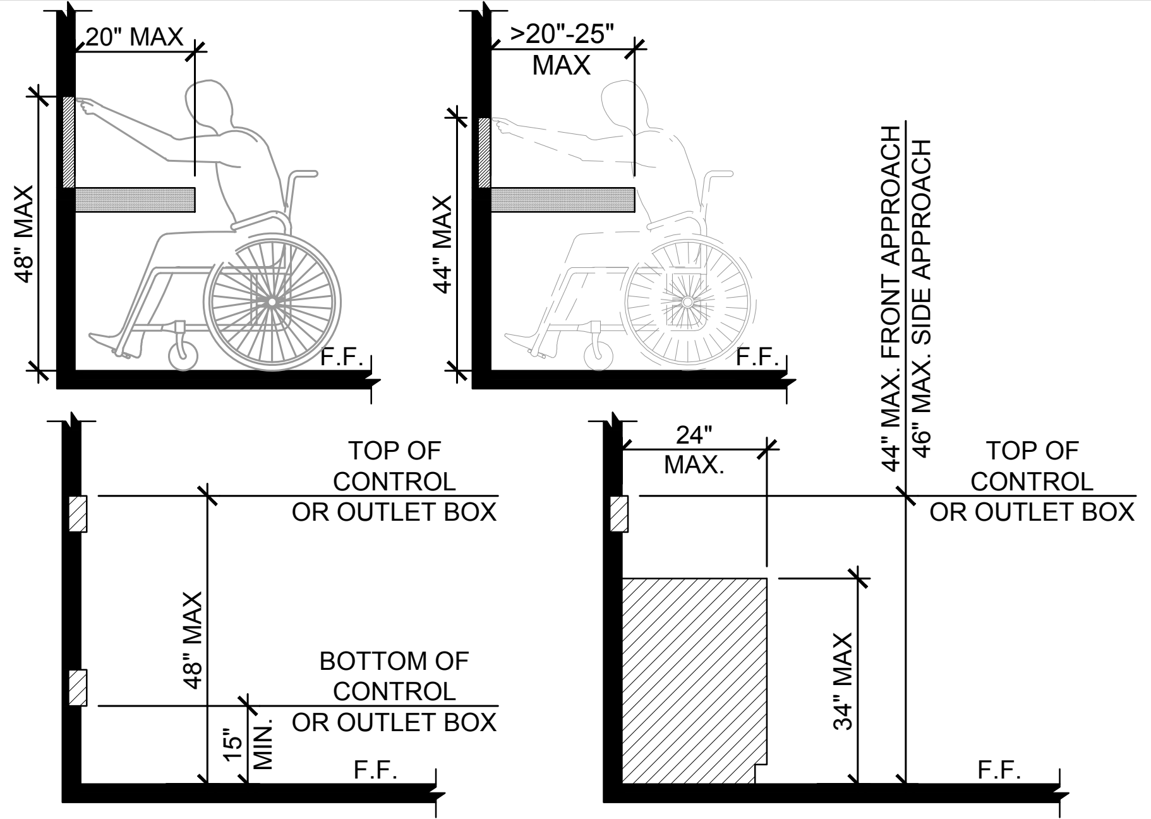

1/8" MIN - 1/4" MAX
3.2 - 6.4
1/16" MIN RADIUS
1/8" MAX
3.2
RADIUS @ VERTICES
EASED/ROUNDED
CHAMFERED

FIGURE 11B-703.7.2.6.4
EDGES AND VERTICES ON GEOMETRIC SYMBOLS

NOTES:
1. FIGURE PER 11B-703.7.2.6.4

EDGES AND VERTICES @ GEOMETRIC SIGNS

18


20" MAX
48" MAX
F.F.
>20"-25" MAX
44" MAX
F.F.
44" MAX. FRONT APPROACH
46" MAX. SIDE APPROACH
TOP OF CONTROL OR OUTLET BOX
48" MAX
BOTTOM OF CONTROL OR OUTLET BOX
15" MIN.
F.F.
24" MAX.
TOP OF CONTROL OR OUTLET BOX
34" MAX
F.F.

NOTES:
1. COMPLY WITH CBC 11B-308.2.2 AND 11B-308.3.2
2. FORWARD OR FRONT APPROACH FOR DEVICES MOUNTED ABOVE A COUNTER ASSUMES THAT DIRECTLY BELOW THE DEVICE, THE COUNTER HAS A 30" MINIMUM WIDTH x 27" MINIMUM HEIGHT x A CLEAR DEPTH EQUAL TO THE DEPTH OF THE COUNTER NOT TO EXCEED 24".

NOT USED

19

SIGNS AND IDENTIFICATION DEVICES SHALL BE FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY THE ENFORCING AGENCY PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY PER CHAPTER 1, DIVISION II, SECTION 111, OR FINAL APPROVAL WHERE NO CERTIFICATE OF OCCUPANCY IS ISSUED. THE INSPECTION SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFICATION THAT BRAILLE DOTS AND CELLS ARE PROPERLY SPACED AND THE SIZE, PROPORTION AND TYPE OF RAISED CHARACTERS ARE IN COMPLIANCE WITH THESE REGULATIONS PER CBC SECTION 11B-703.1.1.2

SHEET NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT

COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 05/14/2024

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

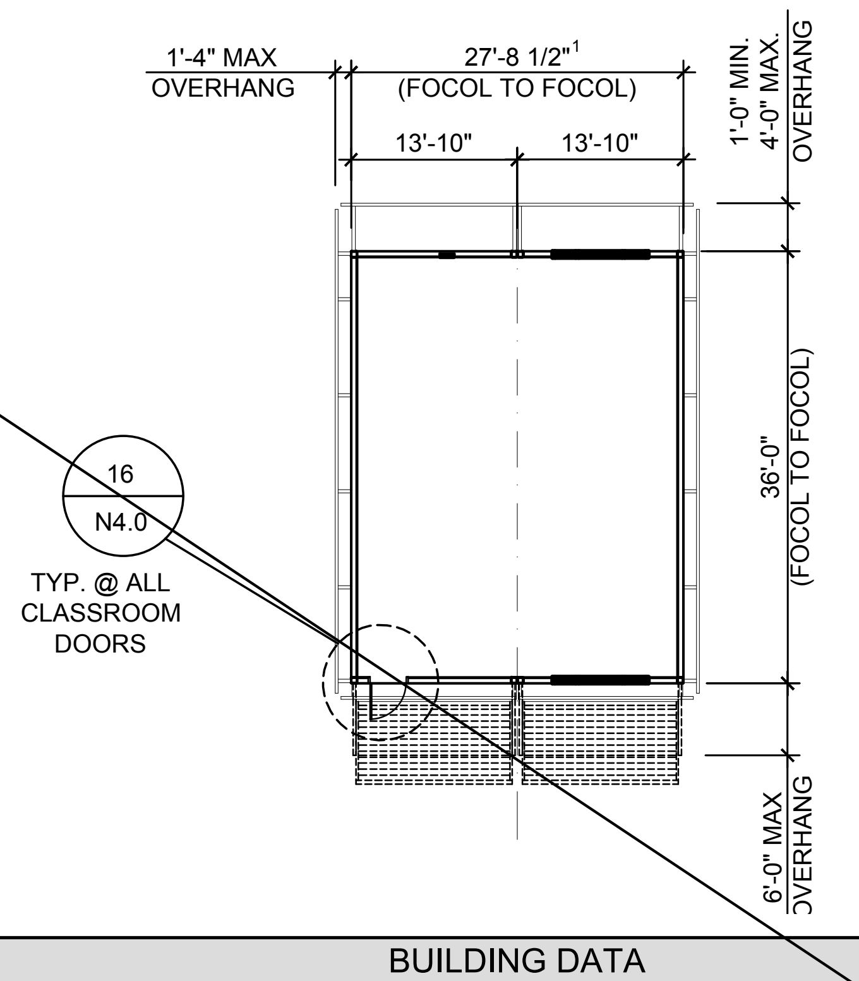
REVISIONS
1
2
3
4

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ACCESSIBILITY STANDARDS AND DETAILS

SHEET NUMBER:
N4.0

REFER TO SHEET N5.0-A FOR SITE-SPECIFIC SHEET


1'-4" MAX OVERHANG
27'-8 1/2"[1] (FOCOL TO FOCOL)
13'-10"
13'-10"
1'-0" MIN. 4'-0" MAX. OVERHANG
36'-0" (FOCOL TO FOCOL)
16
N4.0
TYP. @ ALL CLASSROOM DOORS
6'-0" MAX OVERHANG

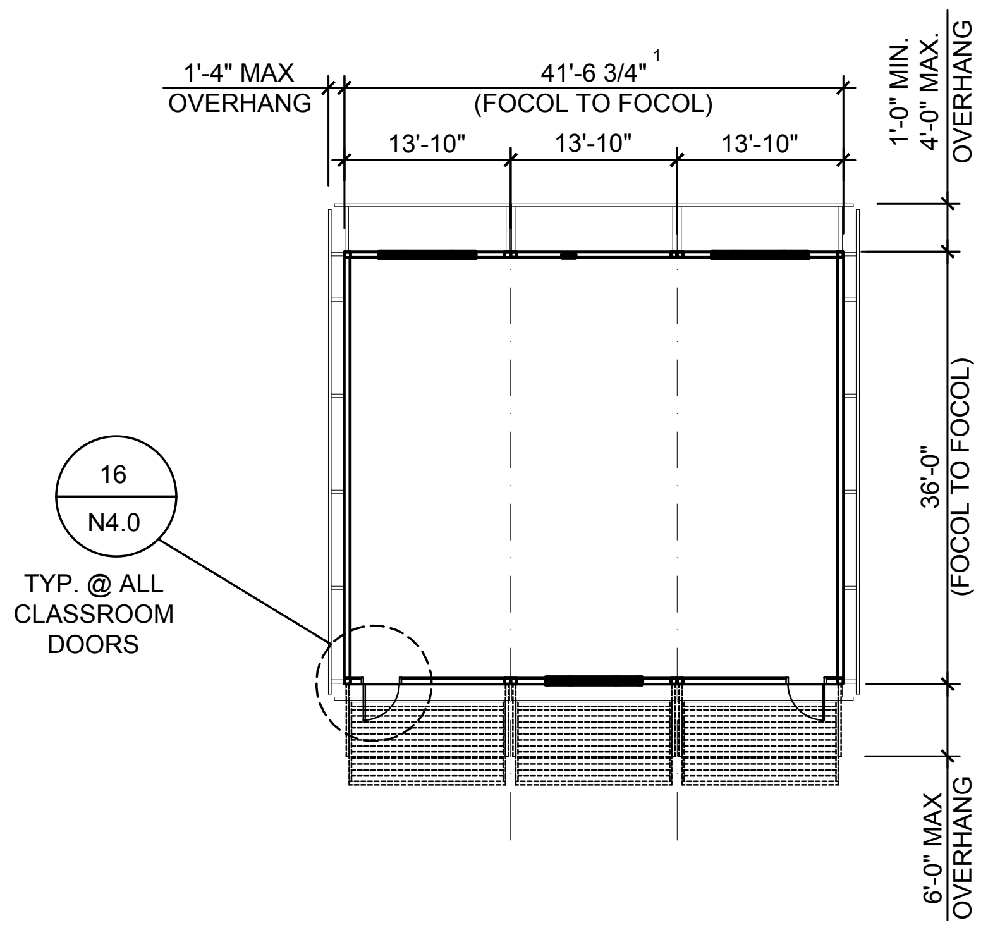
BUILDING DATA

BUILDING OCCUAPANCY	BUILDING SIZE	OVERALL SIZE[1]	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (150 FOR B, 20 FOR E)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
E	28' x 36'	27'-8 ½"	955	9500	48	10.0*
B	28' x 36'	27'-8 ½"	955	900	6	1.2*

*MINIMUM EGRESS WIDTH SHALL BE 34" , OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.

28' x 36' BUILDING FLOOR PLAN

SCALE : 1/16"=1'-0" 1


1'-4" MAX OVERHANG
41'-6 3/4"[1] (FOCOL TO FOCOL)
13'-10"
13'-10"
13'-10"
1'-0" MIN. 4'-0" MAX. OVERHANG
36'-0" (FOCOL TO FOCOL)
16
N4.0
TYP. @ ALL CLASSROOM DOORS
6'-0" MAX OVERHANG

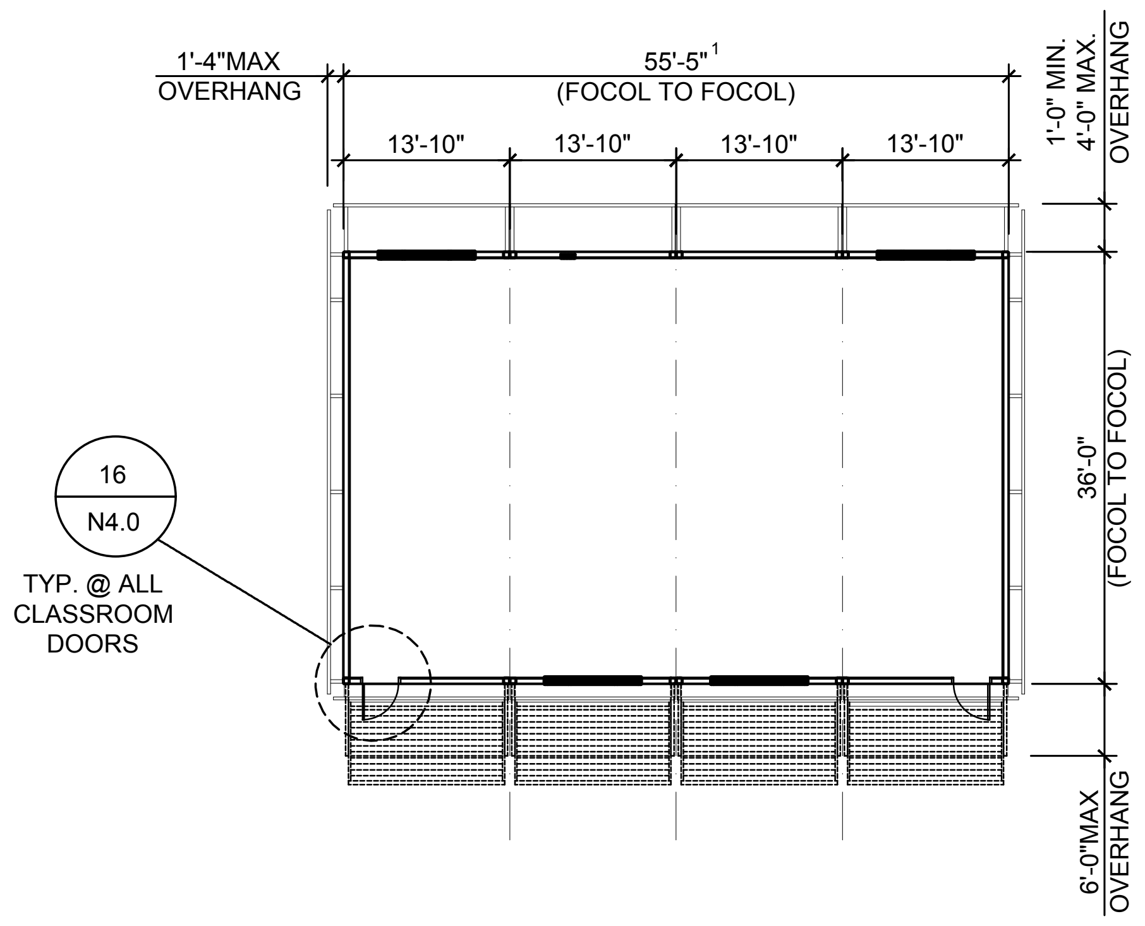
BUILDING DATA

BUILDING OCCUAPANCY	BUILDING SIZE	OVERALL SIZE[1]	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (150 FOR B, 20 FOR E)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
E	42' x 36'	41'-6 ¾"	1496	9500	75	15*
B	42' x 36'	41'-6 ¾"	1496	9000	9	1.9*

*MINIMUM EGRESS WIDTH SHALL BE 34" , OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.

42' x 36' BUILDING FLOOR PLAN

SCALE : 1/16"=1'-0" 2


1'-4"MAX OVERHANG
55'-5"[1] (FOCOL TO FOCOL)
13'-10"
13'-10"
13'-10"
13'-10"
1'-0" MIN. 4'-0" MAX. OVERHANG
36'-0" (FOCOL TO FOCOL)
16
N4.0
TYP. @ ALL CLASSROOM DOORS
6'-0"MAX OVERHANG

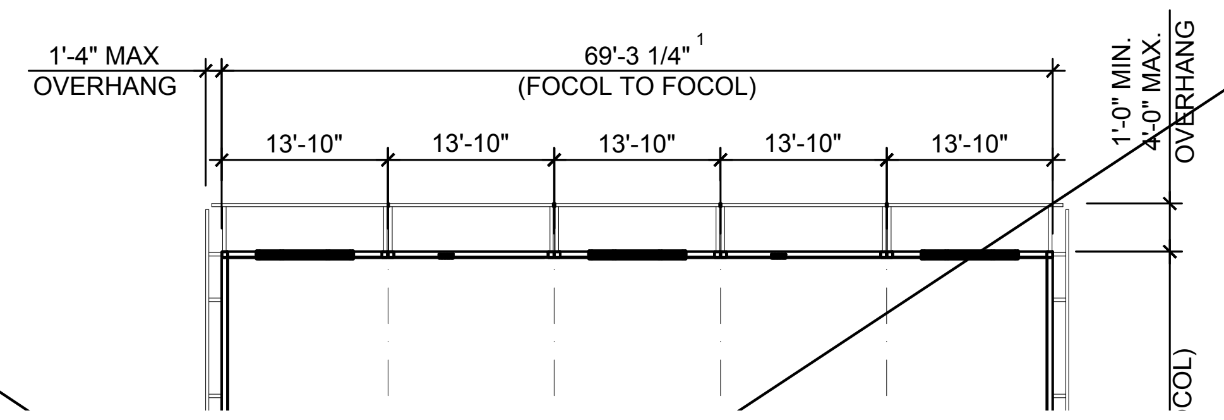
BUILDING DATA

BUILDING OCCUAPANCY	BUILDING SIZE	OVERALL SIZE[1]	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (150 FOR B, 20 FOR E)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
E	56' x 36'	55'-5"	1995	9500	100	20*
B	56' x 36'	55'-5"	1995	9000	13	2.6*

*MINIMUM EGRESS WIDTH SHALL BE 34" , OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.

56' x 36' BUILDING FLOOR PLAN

SCALE : 1/16"=1'-0" 3


1'-4" MAX OVERHANG
69'-3 1/4"[1] (FOCOL TO FOCOL)
13'-10"
13'-10"
13'-10"
13'-10"
13'-10"
1'-0" MIN. 4'-0" MAX. OVERHANG
COL)
6'-0" OVER

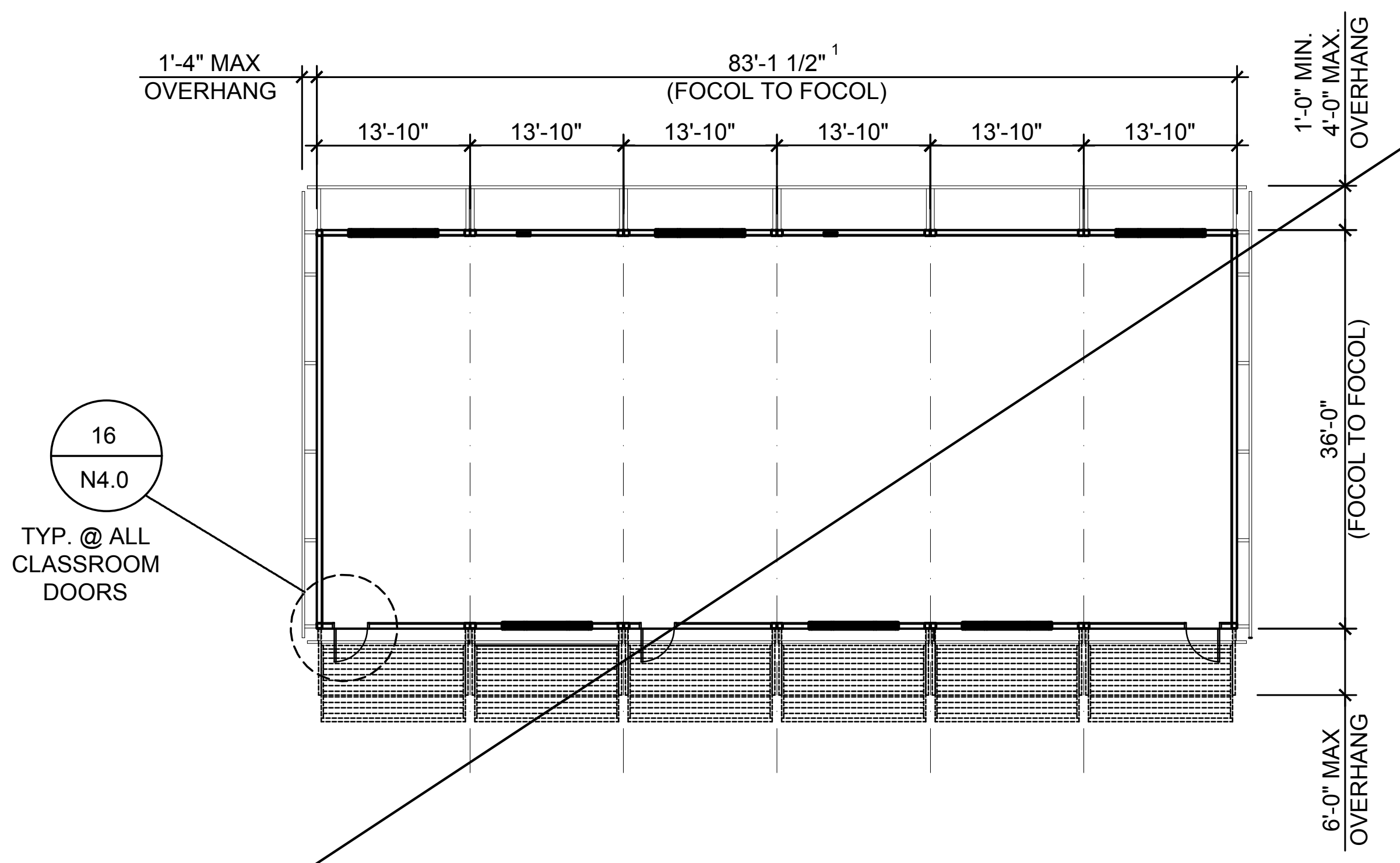
BUILDING DATA

BUILDING OCCUAPANCY	BUILDING SIZE	OVERALL SIZE[1]	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (150 FOR B, 20 FOR E)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
E	70' x 36'	69'-3 ¼"	2494	9500	125	25*
B	70' x 36'	69'-3 ¼"	2494	9000	16	3.3*

*MINIMUM EGRESS WIDTH SHALL BE 34" , OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.

70' x 36' BUILDING FLOOR PLAN

SCALE : 1/16"=1'-0" 4


1'-4" MAX OVERHANG
83'-1 1/2"[1] (FOCOL TO FOCOL)
13'-10"
13'-10"
13'-10"
13'-10"
13'-10"
13'-10"
1'-0" MIN. 4'-0" MAX. OVERHANG
36'-0" (FOCOL TO FOCOL)
16
N4.0
TYP. @ ALL CLASSROOM DOORS
6'-0" MAX OVERHANG

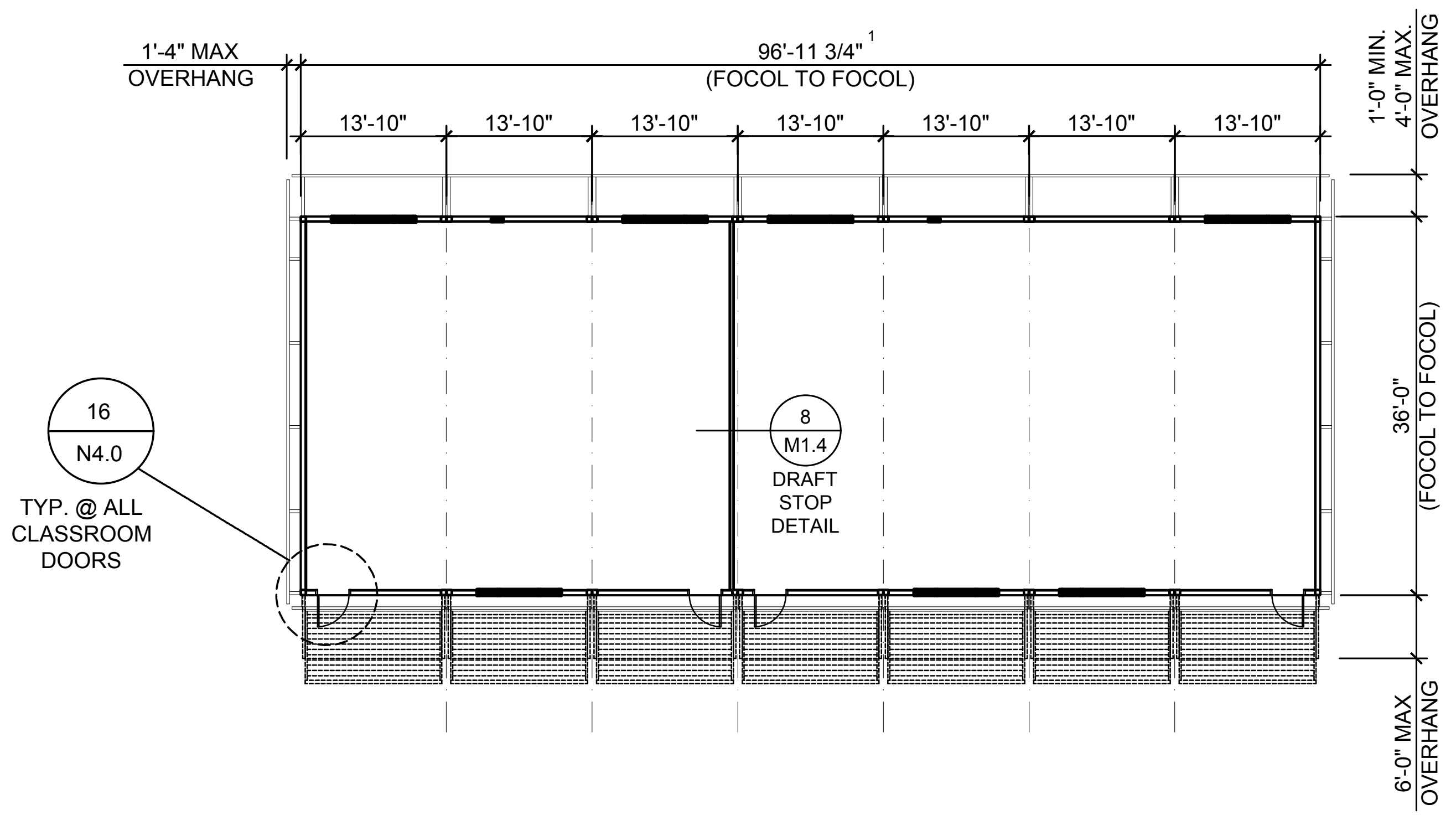
BUILDING DATA

BUILDING OCCUAPANCY	BUILDING SIZE	OVERALL SIZE[1]	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (150 FOR B, 20 FOR E)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
E	84' x 36'	83'-1 ½"	2993	9500	150	30*
B	84' x 36'	83'-1 ½"	2993	9000	19	3.9*

*MINIMUM EGRESS WIDTH SHALL BE 34" , OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.

84' x 36' BUILDING FLOOR PLAN

SCALE : 1/16"=1'-0" 5


1'-4" MAX OVERHANG
96'-11 3/4"[1] (FOCOL TO FOCOL)
13'-10"
13'-10"
13'-10"
13'-10"
13'-10"
13'-10"
13'-10"
1'-0" MIN. 4'-0" MAX. OVERHANG
36'-0" (FOCOL TO FOCOL)
16
N4.0
TYP. @ ALL CLASSROOM DOORS
8
M1.4
DRAFT STOP DETAIL
6'-0" MAX OVERHANG

BUILDING DATA

BUILDING OCCUAPANCY	BUILDING SIZE	OVERALL SIZE[1]	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (150 FOR B, 20 FOR E)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
E	98' x 36'	96'-11 ¾"	3491	9500	176	34.9*
B	98' x 36'	96'-11 ¾"	3491	9000	23	4.6*

*MINIMUM EGRESS WIDTH SHALL BE 34" , OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.

98' x 36' BUILDING FLOOR PLAN

SCALE : 1/16"=1'-0" 6

1. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER, PER CBC 1010.2.9.
2. NOT USED
3. RESTROOM CONFIGURATIONS OCCUR AT OUTER WINGS OF BUILDINGS.
4. SEE FOUNDATION DRAWINGS FOR TRUE DIMENSIONS AT FLOOR PLACEMENT AND OVERALL FOUNDATION SIZE.
5. FOR ROOM ID SIGNAGE (N.I.C.) SEE DETAIL 5/N4.0. TYPICAL FOR ALL BUILDING CONFIGURATIONS.
6. MINIMUM EGRESS WIDTH REQUIRED SHALL BE 34" PER CLASSROOM OR DIMENSION SPECIFIED IN BUILDING DATA, WHICHEVER IS GREATER
7. TOTAL WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS.
8. BUILDING DATA REPORTED ON THIS SHEET IS INTENDED FOR OCCUPANT LOAD AND EGRESS. TOTAL BUILDING SQUARE FOOTAGE WHICH INCLUDES AREA FROM SITE SPECIFIC OVERHANGS OR PROJECTIONS IS NOT INCLUDED.
9. THE CONFIGURATIONS SHOWN ARE OVERALL BUILDING FOOTPRINTS. INTERIOR WALLS/PARTITIONS (IF APPLICABLE) ARE NOT SHOWN FOR CLARITY.

SITE NOTE:

$\frac{3}{16}$:12 (1%) MINIMUM TO $\frac{1}{4}$:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.

GENERAL NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1	
2	
3	
4	

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:
MULTIPLE FLOOR PLAN
CONFIGURATIONS

SHEET NUMBER:
N5.0

NOT USED

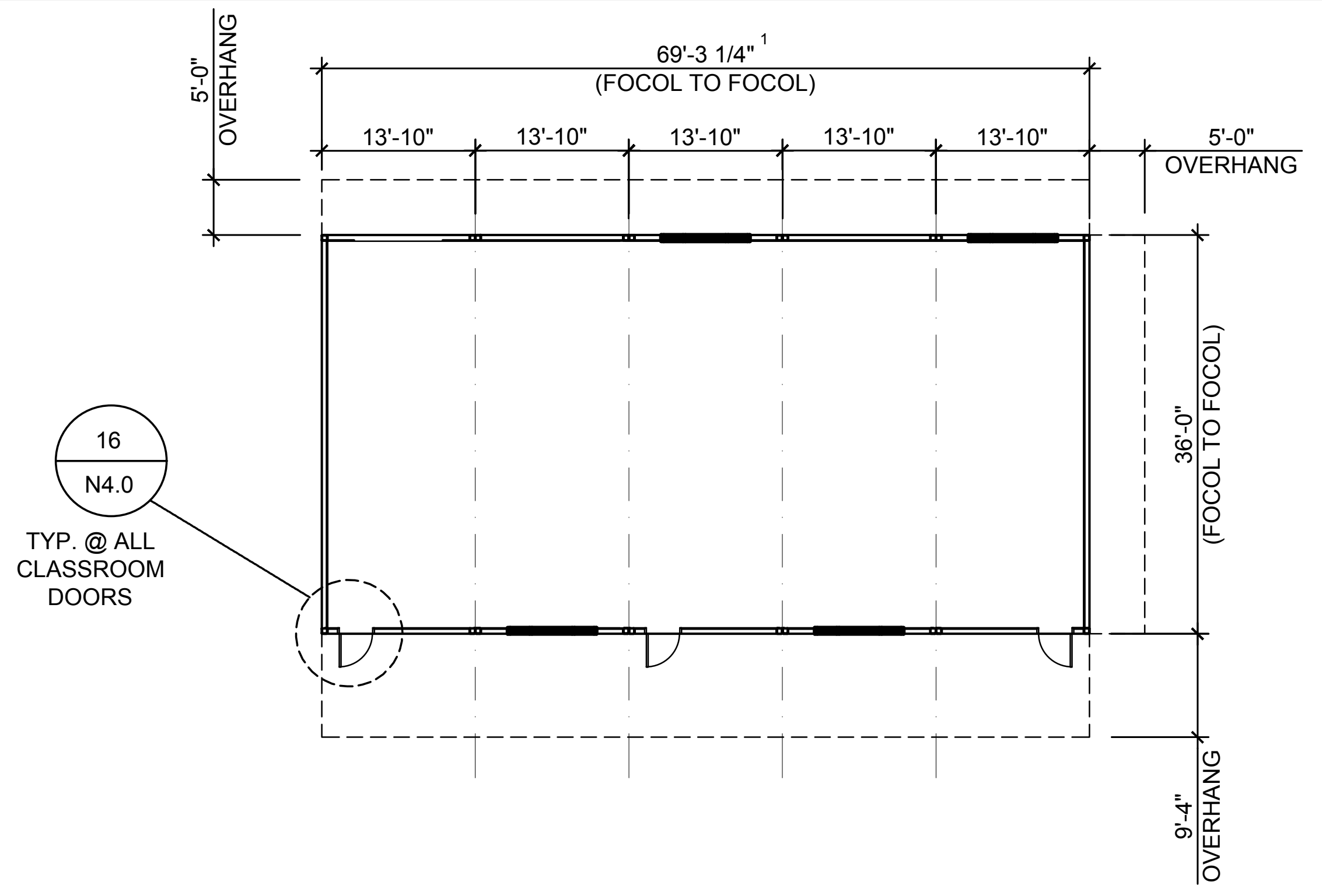
1

NOT USED

2

NOT USED

3



BUILDING DATA						
BUILDING OCCUAPANCY	BUILDING SIZE	OVERALL SIZE[1]	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (150 FOR B, 20 FOR E)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
E	70' x 36'	69'-3 ¼"	2494	9500	125	25*
B	70' x 36'	69'-3 ¼"	2494	9000	16	3.3*

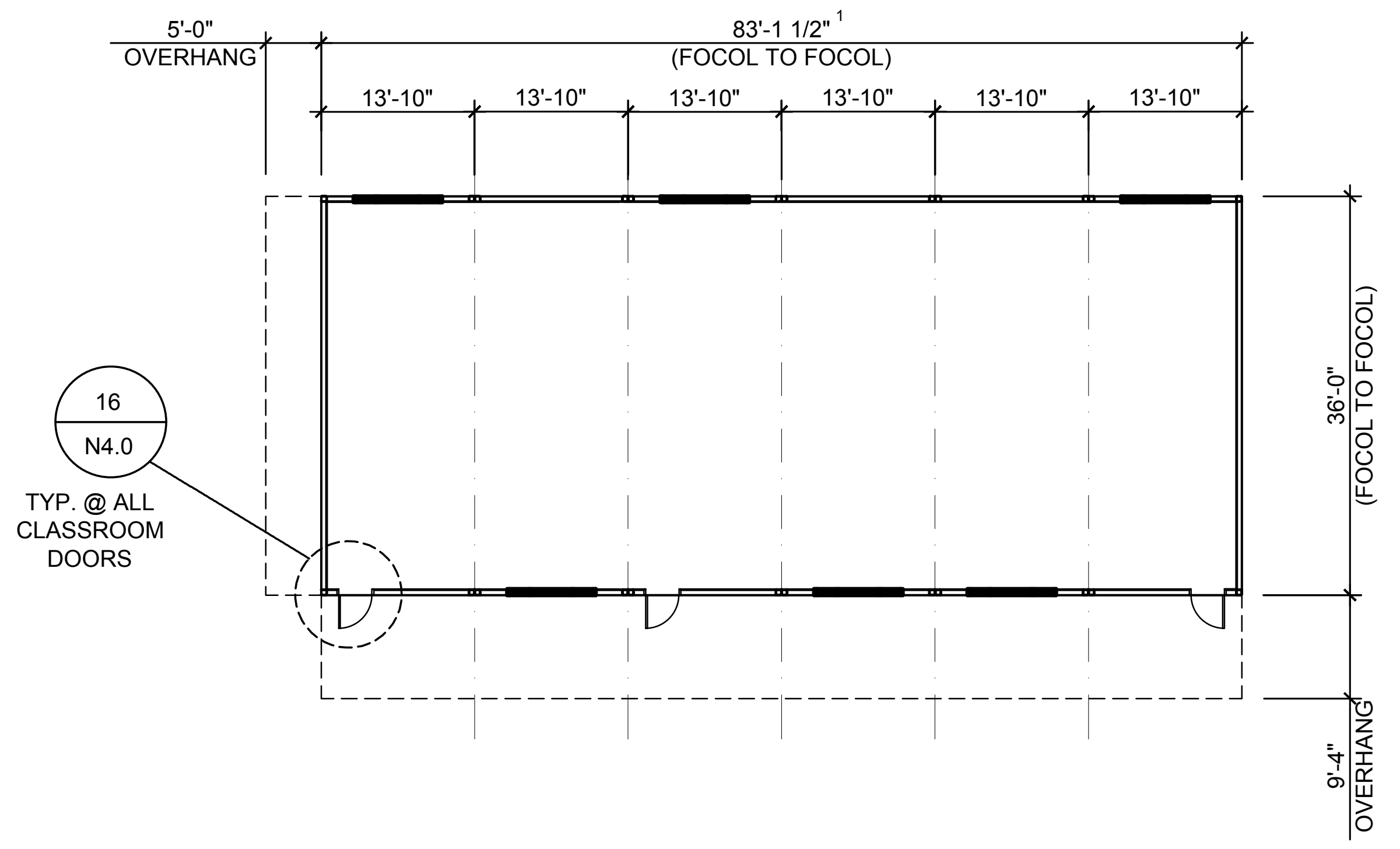
*MINIMUM EGRESS WIDTH SHALL BE 34" , OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.

PH = PANIC HARDWARE

70' x 36' BUILDING FLOOR PLAN

SCALE : 1/16"=1'-0"

4



BUILDING DATA						
BUILDING OCCUAPANCY	BUILDING SIZE	OVERALL SIZE[1]	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (150 FOR B, 20 FOR E)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
E	84' x 36'	83'-1 ½"	2993	9500	150	30*
B	84' x 36'	83'-1 ½"	2993	9000	19	3.9*

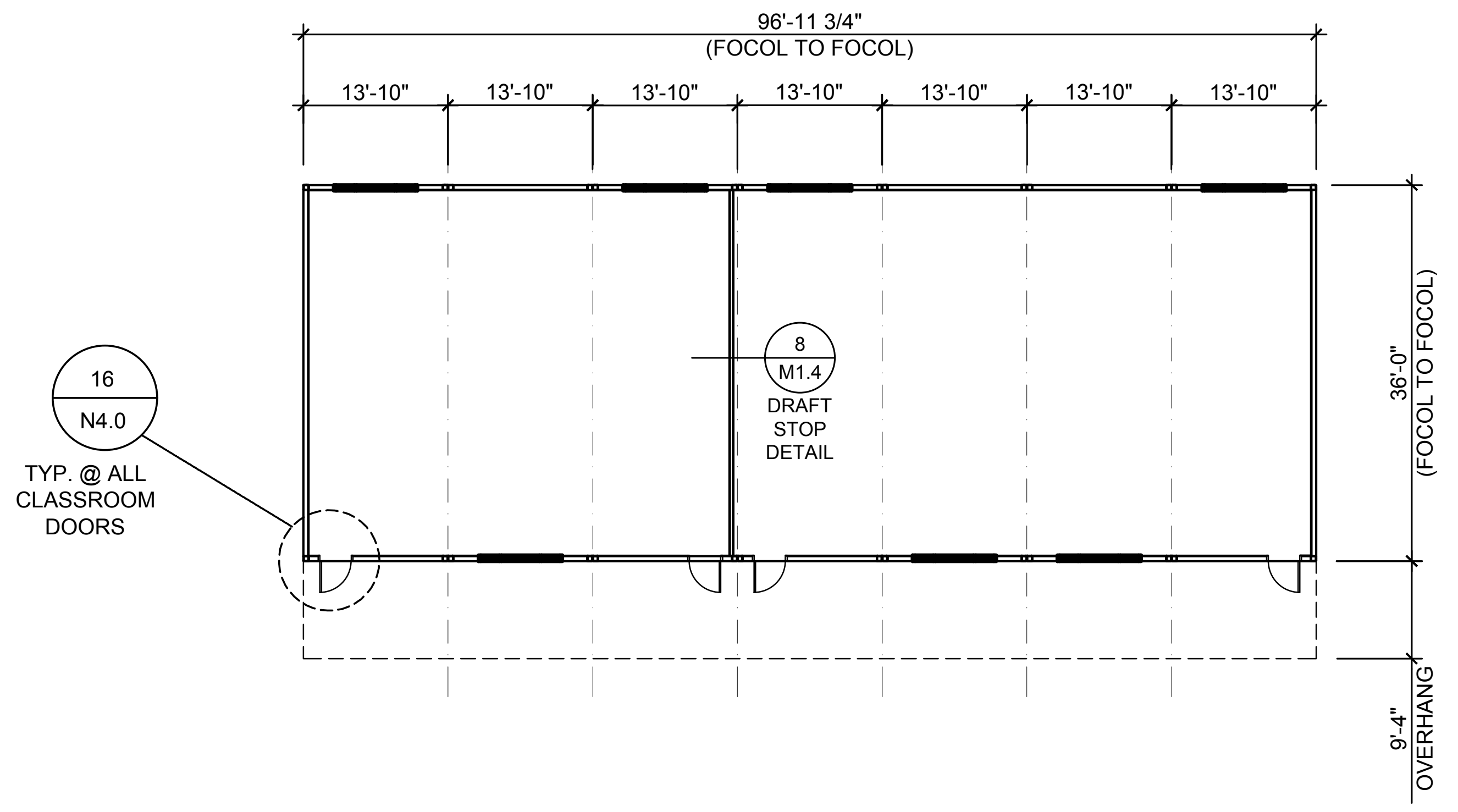
*MINIMUM EGRESS WIDTH SHALL BE 34" , OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.

PH = PANIC HARDWARE

84' x 36' BUILDING FLOOR PLAN

SCALE : 1/16"=1'-0"

5



DRAFT STOP(S) AS REQUIRED PER DETAIL 8/M1.4 LOCATION(S) MAY VARY.

BUILDING DATA						
BUILDING OCCUAPANCY	BUILDING SIZE	OVERALL SIZE[1]	SQUARE FOOTAGE PER FLOOR*	SQ.FT. ALLOWED PER FLOOR	MAXIMUM OCCUPANT LOAD (150 FOR B, 20 FOR E)	EGRESS INCHES REQUIRED (0.2 PER OCCUPANT)
E	98' x 36'	96'-11 ¾"	3491	9500	176	34.9*
B	98' x 36'	96'-11 ¾"	3491	9000	23	4.6*

*MINIMUM EGRESS WIDTH SHALL BE 34" , OR DIMENSION GIVEN IN BUILDING DATA, WHICHEVER IS GREATER.

PH = PANIC HARDWARE

98' x 36' BUILDING FLOOR PLAN

SCALE : 1/16"=1'-0"

6

1. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER, PER CBC 1010.2.9.
2. NOT USED
3. RESTROOM CONFIGURATIONS OCCUR AT OUTER WINGS OF BUILDINGS.
4. SEE FOUNDATION DRAWINGS FOR TRUE DIMENSIONS AT FLOOR PLACEMENT AND OVERALL FOUNDATION SIZE.
5. FOR ROOM ID SIGNAGE (N.I.C.) SEE DETAIL 5/N4.0. TYPICAL FOR ALL BUILDING CONFIGURATIONS.
6. MINIMUM EGRESS WIDTH REQUIRED SHALL BE 34" PER CLASSROOM OR DIMENSION SPECIFIED IN BUILDING DATA, WHICHEVER IS GREATER
7. TOTAL WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS.
8. BUILDING DATA REPORTED ON THIS SHEET IS INTENDED FOR OCCUPANT LOAD AND EGRESS. TOTAL BUILDING SQUARE FOOTAGE WHICH INCLUDES AREA FROM SITE SPECIFIC OVERHANGS OR PROJECTIONS IS NOT INCLUDED.
9. THE CONFIGURATIONS SHOWN ARE OVERALL BUILDING FOOTPRINTS. INTERIOR WALLS/PARTITIONS (IF APPLICABLE) ARE NOT SHOWN FOR CLARITY.

SITE NOTE:

$\frac{3}{16}$:12 (1%) MINIMUM TO $\frac{1}{4}$:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.

GENERAL NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
PARADISE CANYON ES
(2) 70'X36', (3) 84'X36'
& (1) 98'X36' BUILDINGS

MANUFACTURER PROFESSIONAL OF RECORD
RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-27

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY:	AV
SCALE:	AS NOTED
DATE:	10/15/25
PROJECT NO:	1902-24

SHEET TITLE:
MULTIPLE FLOOR PLAN CONFIGURATIONS

SHEET NUMBER:
N5.0-A

PC 28x36

CZ Group	Climate Zone	Reference City	Roof Rigid R-value[1]	Ground Floor R-value[2]	Metal stud Wall R-value[3]	Window U-factor[4]	Window SHGC[4]	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type[5]	Number of FC-1 Units[6]	OSA per FC-1 (cfm)[7]	FC-2 Unit Type[5]	Number of FC-2 Units[6]	OSA per FC-2 (cfm)[7]	Design PV (kW DC)
A	CZ01	Arcata	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	383.0	na	0	na	0.0
	CZ16	**Blue Canyon**															
B	CZ02	Santa Rosa	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	383.0	na	0	na	0.0
	CZ03	Oakland															
	CZ04	San Jose-Reid															
	CZ05	**Santa Maria**															
C	CZ06	Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	383.0	na	0	na	0.0
	CZ07	San Diego-Lindbergh															
	CZ08	Fullerton															
	CZ09	Burbank-Glendale															
	CZ10	Riverside															
	CZ11	Red Bluff															
	CZ12	Sacramento															
	CZ13	**Fresno**															
D	CZ14	Palmdale	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	383.0	na	0	na	0.0
	CZ15	**Palm Spring-Intl**															

PC 42x36

CZ Group	Climate Zone	Reference City	Roof Rigid R-value[1]	Ground Floor R-value[2]	Metal stud Wall R-value[3]	Window U-factor[4]	Window SHGC[4]	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type[5]	Number of FC-1 Units[6]	OSA per FC-1 (cfm)[7]	FC-2 Unit Type[5]	Number of FC-2 Units[6]	OSA per FC-2 (cfm)[7]	Design PV (kW DC)
A	CZ01	Arcata	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	574.6	na	0	na	0.0
	CZ16	**Blue Canyon**															
B	CZ02	Santa Rosa	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	574.6	na	0	na	0.0
	CZ03	Oakland															
	CZ04	San Jose-Reid															
	CZ05	**Santa Maria**															
C	CZ06	Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	Y	SysAir 4T	1	574.6	na	0	na	0.0
	CZ07	San Diego-Lindbergh															
	CZ08	Fullerton															
	CZ09	Burbank-Glendale															
	CZ10	Riverside															
	CZ11	Red Bluff															
	CZ12	Sacramento															
	CZ13	**Fresno**															
D	CZ14	Palmdale	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	Y	SysAir 5T	1	574.6	na	0	na	0.0
	CZ15	**Palm Spring-Intl**															

PC 56x36

CZ Group	Climate Zone	Reference City	Roof Rigid R-value[1]	Ground Floor R-value[2]	Metal stud Wall R-value[3]	Window U-factor[4]	Window SHGC[4]	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type[5]	Number of FC-1 Units[6]	OSA per FC-1 (cfm)[7]	FC-2 Unit Type[5]	Number of FC-2 Units[6]	OSA per FC-2 (cfm)[7]	Design PV (kW DC)
A	CZ01	Arcata	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	383.0	na	0	na	0.0
	CZ16	**Blue Canyon**															
B	CZ02	Santa Rosa	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	383.0	na	0	na	0.0
	CZ03	Oakland															
	CZ04	San Jose-Reid															
	CZ05	**Santa Maria**															
C	CZ06	Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	383.0	na	0	na	0.0
	CZ07	San Diego-Lindbergh															
	CZ08	Fullerton															
	CZ09	Burbank-Glendale															
	CZ10	Riverside															
	CZ11	Red Bluff															
	CZ12	Sacramento															
	CZ13	**Fresno**															
D	CZ14	Palmdale	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	383.0	na	0	na	2.2
	CZ15	**Palm Spring-Intl**															2.2

PC 70x36

CZ Group	Climate Zone	Reference City	Roof Rigid R-value[1]	Ground Floor R-value[2]	Metal stud Wall R-value[3]	Window U-factor[4]	Window SHGC[4]	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type[5]	Number of FC-1 Units[6]	OSA per FC-1 (cfm)[7]	FC-2 Unit Type[5]	Number of FC-2 Units[6]	OSA per FC-2 (cfm)[7]	Design PV (kW DC)
A	CZ01	Arcata	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	383.0	W42HC	1	574.6	0.0
	CZ16	**Blue Canyon**															
B	CZ02	Santa Rosa	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	383.0	W42HC	1	574.6	0.0
	CZ03	Oakland															
	CZ04	San Jose-Reid															
	CZ05	**Santa Maria**															
C	CZ06	Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	Y	SysAir 4T	1	383.0	SysAir 4T	1	574.6	0.0
	CZ07	San Diego-Lindbergh															
	CZ08	Fullerton															
	CZ09	Burbank-Glendale															
	CZ10	Riverside															
	CZ11	Red Bluff															
	CZ12	Sacramento															
	CZ13	**Fresno**															
D	CZ14	Palmdale	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	Y	SysAir 4T	1	383.0	SysAir 5T	1	574.6	3.2
	CZ15	**Palm Spring-Intl**															3.2

PC 84x36

CZ Group	Climate Zone	Reference City	Roof Rigid R-value[1]	Ground Floor R-value[2]	Metal stud Wall R-value[3]	Window U-factor[4]	Window SHGC[4]	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type[5]	Number of FC-1 Units[6]	OSA per FC-1 (cfm)[7]	FC-2 Unit Type[5]	Number of FC-2 Units[6]	OSA per FC-2 (cfm)[7]	Design PV (kW DC)
A	CZ01	Arcata	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	3	383.0	na	0	na	0.0
	CZ16	**Blue Canyon**															
B	CZ02	Santa Rosa	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	3	383.0	na	0	na	0.0
	CZ03	Oakland															
	CZ04	San Jose-Reid															
	CZ05	**Santa Maria**															
C	CZ06	Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	3	383.0	na	0	na	0.0
	CZ07	San Diego-Lindbergh															
	CZ08	Fullerton															
	CZ09	Burbank-Glendale															
	CZ10	Riverside															
	CZ11	Red Bluff															
	CZ12	Sacramento															
	CZ13	**Fresno**															
D	CZ14	Palmdale	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	3	383.0	na	0	na	3.6
	CZ15	**Palm Spring-Intl**															3.6

HVAC Specification Table

Bard W18H-W60H Series Wall-Mount	Capacity (Ton)	Cooling (Btu/h)	Heating (Btu/h)	Supply Fan CV/VFD	Supply Fan (CFM)	Supply Fan (HP)	Cooling Efficiency (EER)	Heating Efficiency (COP)
W42HC	3.5	42,000	39,000	CV	1,350	0.50	11.0	3.3
W48HC	4.0	47,500	42,500	CV	1,550	0.75	11	3.3
W60HC	4.5	54,500	52,500	CV	1,750	0.75	11.0	3.3
Systemair Sophomore								
SysAir 3T	3.0	35,600	32,400	VFD	1,100	0.50	11.1	3.41
SysAir 4T	4.0	47,500	44,800	VFD	1,600	0.50	11.0	3.54
SysAir 5T	5.0	57,100	56,200	VFD	1,800	0.75	11.0	3.39

Notes

🟩	Indicates deviation from predominant design
🟦	Indicates Systemair Sophomore HVAC unit
1	Rigid insulation R-value added above the R-19 Roof Structure per detail
2	Rigid insulation R-value added to the exterior R-13 Metal Stud walls, per detail
3	Rigid insulation R-value below the ground floor slab
4	NFRC Tested Window U-factor and SHGC
5	HVAC Unit Specification
6	Total number of specified HVAC units in PC
7	Design Ouside Air (OSA / cfm) per HVAC unit per Section H3. or the Title 24 reports

PV System[8]

- The kW DC OPV required for compliance is indicated in this table.
- PV panel Azimuth is based on the PC orientation, see Section F1 on pg. 9 of the Title 24 report for details
- PV panel = 5 degree per Section F1 of the Title 24 report for details

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 05/14/2024

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
RANDAL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1	
2	
3	
4	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS
SUMMATION SHEETS

SHEET NUMBER:

EN.1A

PC 98x36

CZ Group	Climate Zone	Reference City	Roof Rigid R-value[1]	Ground Floor R-value[2]	Metal stud Wall R-value[3]	Window U-factor[4]	Window SHGC[4]	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type[5]	Number of FC-1 Units[6]	OSA per FC-1 (cfm)[7]	FC-2 Unit Type[5]	Number of FC-2 Units[6]	OSA per FC-2 (cfm)[7]	Design PV (kW DC)
A	CZ01	Arcata	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	383.0	W42HC	1	574.6	0.2
	CZ16	**Blue Canyon**															
B	CZ02	Santa Rosa	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	383.0	W42HC	1	574.6	0.0
	CZ03	Oakland															
	CZ04	San Jose-Reid															
	CZ05	**Santa Maria**															
C	CZ06	Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	383.0	W48HC	1	574.6	3.4
	CZ07	San Diego-Lindbergh															
	CZ08	Fullerton															
	CZ09	Burbank-Glendale															
	CZ10	Riverside															
	CZ11	Red Bluff															
	CZ12	Sacramento															
	CZ13	**Fresno**															
D	CZ14	Palmdale	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	383.0	W60HC	1	574.6	8.0
	CZ15	**Palm Spring-Intl**															8.0

PC 112x36

CZ Group	Climate Zone	Reference City	Roof Rigid R-value[1]	Ground Floor R-value[2]	Metal stud Wall R-value[3]	Window U-factor[4]	Window SHGC[4]	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type[5]	Number of FC-1 Units[6]	OSA per FC-1 (cfm)[7]	FC-2 Unit Type[5]	Number of FC-2 Units[6]	OSA per FC-2 (cfm)[7]	Design PV (kW DC)
A	CZ01	Arcata	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	4	383.0	na	0	na	0.0
	CZ16	**Blue Canyon**															
B	CZ02	Santa Rosa	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	4	383.0	na	0	na	0.0
	CZ03	Oakland															
	CZ04	San Jose-Reid															
	CZ05	**Santa Maria**															
C	CZ06	Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	4	383.0	na	0	na	0.0
	CZ07	San Diego-Lindbergh															
	CZ08	Fullerton															
	CZ09	Burbank-Glendale															
	CZ10	Riverside															
	CZ11	Red Bluff															
	CZ12	Sacramento															
	CZ13	**Fresno**															
D	CZ14	Palmdale	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	4	383.0	na	0	na	0.0
	CZ15	**Palm Spring-Intl**															

PC 126x36

CZ Group	Climate Zone	Reference City	Roof Rigid R-value[1]	Ground Floor R-value[2]	Metal stud Wall R-value[3]	Window U-factor[4]	Window SHGC[4]	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type[5]	Number of FC-1 Units[6]	OSA per FC-1 (cfm)[7]	FC-2 Unit Type[5]	Number of FC-2 Units[6]	OSA per FC-2 (cfm)[7]	Design PV (kW DC)
A	CZ01	Arcata	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	3	383.0	W42HC	1	574.6	0.0
	CZ16	**Blue Canyon**															
B	CZ02	Santa Rosa	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	3	383.0	W42HC	1	574.6	0.0
	CZ03	Oakland															
	CZ04	San Jose-Reid															
	CZ05	**Santa Maria**															
C	CZ06	Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	3	383.0	W48HC	1	574.6	2.6
	CZ07	San Diego-Lindbergh															
	CZ08	Fullerton															
	CZ09	Burbank-Glendale															
	CZ10	Riverside															
	CZ11	Red Bluff															
	CZ12	Sacramento															
	CZ13	**Fresno**															
D	CZ14	Palmdale	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	3	383.0	W60HC	1	574.6	8.8
	CZ15	**Palm Spring-Intl**															8.8

PC 140x36

CZ Group	Climate Zone	Reference City	Roof Rigid R-value[1]	Ground Floor R-value[2]	Metal stud Wall R-value[3]	Window U-factor[4]	Window SHGC[4]	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type[5]	Number of FC-1 Units[6]	OSA per FC-1 (cfm)[7]	FC-2 Unit Type[5]	Number of FC-2 Units[6]	OSA per FC-2 (cfm)[7]	Design PV (kW DC)
A	CZ01	Arcata	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	5	383.0	na	0	na	1.6
	CZ16	**Blue Canyon**															
B	CZ02	Santa Rosa	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	5	383.0	na	0	na	0.0
	CZ03	Oakland															
	CZ04	San Jose-Reid															
	CZ05	**Santa Maria**															
C	CZ06	Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	5	383.0	na	0	na	0.0
	CZ07	San Diego-Lindbergh															
	CZ08	Fullerton															
	CZ09	Burbank-Glendale															
	CZ10	Riverside															
	CZ11	Red Bluff															
	CZ12	Sacramento															
	CZ13	**Fresno**															
D	CZ14	Palmdale	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	5	383.0	na	0	na	6.6
	CZ15	**Palm Spring-Intl**															6.6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

AMS®
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 05/14/2024

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDAL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
28x36 - BUILDING

SHEET NUMBER:
EN.1B

PC DESIGN REVIEW INFORMATION

Title 24-2022, Part 6, Energy Code

Model Name and Option: PC 28x36 — Calculation Date/Time of Energy Report: 10/10/2023
Total Floor Area: 1008 — DSA Application:
HVAC System Type: VSHP

CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
A	30°	TDV-E	285.4	243.0	42.4	
		TDV-T	285.4	243.0	42.4	
		SOURCE	39.2	23.2	16.0	
	75°	TDV-E	291.5	244.6	46.9	
		TDV-T	291.5	244.6	46.9	
		SOURCE	39.4	23.3	16.1	
	120°	TDV-E	286.7	244.5	42.2	
		TDV-T	286.7	244.5	42.2	
		SOURCE	39.3	23.4	15.9	
	165°	TDV-E	272.5	242.4	30.0	Worst Case
		TDV-T	272.5	242.4	30.0	Worst Case
		SOURCE	38.6	23.2	15.4	Worst Case
	210°	TDV-E	284.4	243.4	41.0	
		TDV-T	284.4	243.4	41.0	
		SOURCE	39.3	23.3	16.0	
	255°	TDV-E	294.0	244.4	49.6	
		TDV-T	294.0	244.4	49.6	
		SOURCE	39.5	23.3	16.2	
	300°	TDV-E	283.5	244.0	39.5	
		TDV-T	283.5	244.0	39.5	
		SOURCE	39.0	23.3	15.6	
	345°	TDV-E	277.1	241.7	35.4	
		TDV-T	277.1	241.7	35.4	
		SOURCE	38.7	23.1	15.5	

CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
B	30°	TDV-E	195.1	124.0	71.1	
		TDV-T	195.1	124.0	71.1	
		SOURCE	18.8	12.8	6.0	
	75°	TDV-E	195.4	123.8	71.7	
		TDV-T	195.4	123.8	71.7	
		SOURCE	18.8	12.7	6.0	
	120°	TDV-E	185.5	123.4	62.1	
		TDV-T	185.5	123.4	62.1	
		SOURCE	18.0	12.8	5.2	
	165°	TDV-E	184.7	122.8	61.9	Worst Case
		TDV-T	184.7	122.8	61.9	Worst Case
		SOURCE	17.9	12.7	5.2	Worst Case
	210°	TDV-E	190.7	123.8	66.9	
		TDV-T	190.7	123.8	66.9	
		SOURCE	18.4	12.8	5.6	
	255°	TDV-E	190.9	123.2	67.7	
		TDV-T	190.9	123.2	67.7	
		SOURCE	18.4	12.7	5.7	
	300°	TDV-E	211.7	123.0	88.7	
		TDV-T	211.7	123.0	88.7	
		SOURCE	20.2	12.7	7.5	
	345°	TDV-E	187.9	122.7	65.2	
		TDV-T	187.9	122.7	65.2	
		SOURCE	18.2	12.7	5.5	

CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
C	30°	TDV-E	308.9	228.0	80.9	
		TDV-T	308.9	228.0	80.9	
		SOURCE	24.9	17.4	7.5	
	75°	TDV-E	318.8	231.8	87.1	
		TDV-T	318.8	231.8	87.1	
		SOURCE	25.5	17.5	8.0	
	120°	TDV-E	314.0	231.3	82.8	
		TDV-T	314.0	231.3	82.8	
		SOURCE	25.2	17.5	7.7	
	165°	TDV-E	293.5	225.8	67.7	Worst Case
		TDV-T	293.5	225.8	67.7	Worst Case
		SOURCE	23.6	17.2	6.4	Worst Case
	210°	TDV-E	304.3	227.6	76.7	
		TDV-T	304.3	227.6	76.7	
		SOURCE	24.5	17.4	7.2	
	255°	TDV-E	312.5	231.0	81.5	
		TDV-T	312.5	231.0	81.5	
		SOURCE	25.0	17.5	7.6	
	300°	TDV-E	308.7	230.7	78.1	
		TDV-T	308.7	230.7	78.1	
		SOURCE	24.7	17.5	7.3	
	345°	TDV-E	295.5	225.8	69.8	
		TDV-T	295.5	225.8	69.8	
		SOURCE	23.7	17.2	6.6	

CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D	30°	TDV-E	338.6	261.1	77.5	
		TDV-T	338.6	261.1	77.5	
		SOURCE	24.6	16.5	8.1	
	75°	TDV-E	351.5	263.4	88.1	
		TDV-T	351.5	263.4	88.1	
		SOURCE	25.5	16.6	8.9	
	120°	TDV-E	348.0	262.2	85.8	
		TDV-T	348.0	262.2	85.8	
		SOURCE	25.2	16.5	8.7	
	165°	TDV-E	322.4	258.2	64.2	
		TDV-T	322.4	258.2	64.2	
		SOURCE	23.2	16.2	6.9	
	210°	TDV-E	329.0	260.4	68.6	
		TDV-T	329.0	260.4	68.6	
		SOURCE	23.9	16.5	7.5	
	255°	TDV-E	340.5	263.0	77.5	
		TDV-T	340.5	263.0	77.5	
		SOURCE	24.7	16.6	8.1	
	300°	TDV-E	343.0	262.4	80.6	
		TDV-T	343.0	262.4	80.6	
		SOURCE	24.8	16.5	8.2	
	345°	TDV-E	322.5	258.9	63.6	Worst Case
		TDV-T	322.5	258.9	63.6	Worst Case
		SOURCE	23.2	16.2	6.9	Worst Case

PC DESIGN REVIEW INFORMATION

Title 24-2022, Part 6, Energy Code

Model Name and Option: PC 42x36 — Calculation Date/Time of Energy Report: 10/10/2023
Total Floor Area: 1512 — DSA Application:
HVAC System Type: VSHP

CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
A	30°	TDV-E	271.7	226.6	45.2	
		TDV-T	271.7	226.6	45.2	
		SOURCE	36.3	21.1	15.2	
	75°	TDV-E	283.3	227.6	55.8	
		TDV-T	283.3	227.6	55.8	
		SOURCE	36.5	21.2	15.3	
	120°	TDV-E	270.4	226.5	44.0	
		TDV-T	270.4	226.5	44.0	
		SOURCE	35.8	21.1	14.7	
	165°	TDV-E	265.1	223.4	41.7	
		TDV-T	265.1	223.4	41.7	
		SOURCE	35.5	20.8	14.7	
	210°	TDV-E	273.2	224.6	48.6	
		TDV-T	273.2	224.6	48.6	
		SOURCE	36.0	20.9	15.1	
	255°	TDV-E	279.8	227.3	52.5	
		TDV-T	279.8	227.3	52.5	
		SOURCE	36.4	21.1	15.3	
	300°	TDV-E	274.5	228.0	46.6	
		TDV-T	274.5	228.0	46.6	
		SOURCE	36.3	21.3	15.1	
	345°	TDV-E	255.1	225.8	29.3	Worst Case
		TDV-T	255.1	225.8	29.3	Worst Case
		SOURCE	35.5	21.1	14.5	Worst Case

CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
B	30°	TDV-E	179.5	107.6	71.8	
		TDV-T	179.5	107.6	71.8	
		SOURCE	17.2	11.2	6.1	
	75°	TDV-E	179.8	107.4	72.4	
		TDV-T	179.8	107.4	72.4	
		SOURCE	17.2	11.1	6.1	
	120°	TDV-E	174.3	107.0	67.2	Worst Case
		TDV-T	174.3	107.0	67.2	Worst Case
		SOURCE	16.7	11.1	5.6	Worst Case
	165°	TDV-E	182.8	106.8	76.1	
		TDV-T	182.8	106.8	76.1	
		SOURCE	17.5	11.0	6.5	
	210°	TDV-E	190.5	108.2	82.3	
		TDV-T	190.5	108.2	82.3	
		SOURCE	18.1	11.1	7.0	
	255°	TDV-E	190.1	108.3	81.8	
		TDV-T	190.1	108.3	81.8	
		SOURCE	18.1	11.1	7.0	
	300°	TDV-E	180.5	107.6	72.9	
		TDV-T	180.5	107.6	72.9	
		SOURCE	17.3	11.2	6.2	
	345°	TDV-E	174.6	106.8	67.8	
		TDV-T	174.6	106.8	67.8	
		SOURCE	16.8	11.1	5.7	

CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
C	30°	TDV-E	193.1	166.4	26.7	
		TDV-T	193.1	166.4	26.7	
		SOURCE	14.7	12.0	2.7	
	75°	TDV-E	194.7	170.8	23.9	
		TDV-T	194.7	170.8	23.9	
		SOURCE	14.6	12.1	2.5	
	120°	TDV-E	201.7	170.3	31.4	
		TDV-T	201.7	170.3	31.4	
		SOURCE	14.7	12.1	2.7	
	165°	TDV-E	183.0	164.7	18.4	
		TDV-T	183.0	164.7	18.4	
		SOURCE	14.1	11.7	2.4	
	210°	TDV-E	208.1	168.2	40.0	
		TDV-T	208.1	168.2	40.0	
		SOURCE	15.1	12.0	3.1	
	255°	TDV-E	214.9	174.1	40.8	
		TDV-T	214.9	174.1	40.8	
		SOURCE	15.4	12.3	3.1	
	300°	TDV-E	210.7	172.6	38.1	
		TDV-T	210.7	172.6	38.1	
		SOURCE	15.2	12.2	3.0	
	345°	TDV-E	182.4	164.7	17.7	Worst Case
		TDV-T	182.4	164.7	17.7	Worst Case
		SOURCE	14.1	11.8	2.3	Worst Case

CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D	30°	TDV-E	313.1	216.4	96.7	
		TDV-T	313.1	216.4	96.7	
		SOURCE	22.7	13.2	9.5	
	75°	TDV-E	244.4	220.7	23.7	
		TDV-T	244.4	220.7	23.7	
		SOURCE	15.4	13.4	2.0	
	120°	TDV-E	318.5	220.3	98.2	
		TDV-T	318.5	220.3	98.2	
		SOURCE	22.9	13.2	9.6	
	165°	TDV-E	227.6	215.7	11.9	Worst Case
		TDV-T	227.6	215.7	11.9	Worst Case
		SOURCE	14.1	12.9	1.1	
	210°	TDV-E	242.6	219.4	23.2	
		TDV-T	242.6	219.4	23.2	
		SOURCE	15.2	13.3	1.8	
	255°	TDV-E	252.2	223.9	28.4	
		TDV-T	252.2	223.9	28.4	
		SOURCE	15.8	13.5	2.3	
	300°	TDV-E	250.2	220.8	29.4	
		TDV-T	250.2	220.8	29.4	
		SOURCE	15.5	13.3	2.2	
	345°	TDV-E	226.8	213.9	12.9	
		TDV-T	226.8	213.9	12.9	
		SOURCE	13.8	12.9	1.0	Worst Case

PC DESIGN REVIEW INFORMATION

Title 24-2022, Part 6, Energy Code

Model Name and Option: PC 56x36 — Calculation Date/Time of Energy Report: 10/10/2023
Total Floor Area: 2016 — DSA Application:
HVAC System Type: VSHP

CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
A	30°	TDV-E	265.8	219.4	46.4	
		TDV-T	265.8	219.4	46.4	
		SOURCE	34.9	20.8	14.1	
	75°	TDV-E	272.6	221.8	50.8	
		TDV-T	272.6	221.8	50.8	
		SOURCE	35.2	21.0	14.2	
	120°	TDV-E	267.3	221.9	45.5	
		TDV-T	267.3	221.9	45.5	
		SOURCE	35.0	21.1	14.0	
	165°	TDV-E	254.1	218.9	35.2	Worst Case
		TDV-T	254.1	218.9	35.2	Worst Case
		SOURCE	34.4	20.8	13.6	Worst Case
	210°	TDV-E	263.6	219.8	43.7	
		TDV-T	263.6	219.8	43.7	
		SOURCE	35.0	20.9	14.1	
	255°	TDV-E	275.6	221.8	53.7	
		TDV-T	275.6	221.8	53.7	
		SOURCE	35.3	21.0	14.3	
	300°	TDV-E	263.9	221.4	42.5	
		TDV-T	263.9	221.4	42.5	
		SOURCE	34.8	21.0	13.8	
	345°	TDV-E	258.3	218.2	40.1	
		TDV-T	258.3	218.2	40.1	
		SOURCE	34.4	20.7	13.7	

CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
B	30°	TDV-E	185.8	116.7	69.1	
		TDV-T	185.8	116.7	69.1	
		SOURCE	17.6	11.8	5.8	
	75°	TDV-E	186.0	116.9	69.1	
		TDV-T	186.0	116.9	69.1	
		SOURCE	17.6	11.8	5.8	
	120°	TDV-E	207.3	116.3	91.1	
		TDV-T	207.3	116.3	91.1	
		SOURCE	19.6	11.9	7.7	
	165°	TDV-E	175.9	115.3	60.5	Worst Case
		TDV-T	175.9	115.3	60.5	Worst Case
		SOURCE	16.9	11.8	5.1	Worst Case
	210°	TDV-E	181.5	116.3	65.2	
		TDV-T	181.5	116.3	65.2	
		SOURCE	17.3	11.8	5.5	
	255°	TDV-E	181.4	116.3	65.1	
		TDV-T	181.4	116.3	65.1	
		SOURCE	17.3	11.8	5.5	
	300°	TDV-E	203.2	116.0	87.3	
		TDV-T	203.2	116.0	87.3	
		SOURCE	19.2	11.8	7.4	
	345°	TDV-E	179.2	115.4	63.7	
		TDV-T	179.2	115.4	63.7	
		SOURCE	17.1	11.7	5.4	

CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
C	30°	TDV-E	291.9	215.6	76.3	
		TDV-T	291.9	215.6	76.3	
		SOURCE	23.3	16.3	7.0	
	75°	TDV-E	303.2	220.8	82.4	
		TDV-T	303.2	220.8	82.4	
		SOURCE	24.1	16.6	7.5	
	120°	TDV-E	297.2	219.9	77.3	
		TDV-T	297.2	219.9	77.3	
		SOURCE	23.7	16.5	7.1	
	165°	TDV-E	276.9	213.2	63.7	Worst Case
		TDV-T	276.9	213.2	63.7	Worst Case
		SOURCE	22.1	16.2	6.0	Worst Case
	210°	TDV-E	287.4	215.1	72.3	
		TDV-T	287.4	215.1	72.3	
		SOURCE	23.0	16.3	6.7	
	255°	TDV-E	296.7	220.0	76.6	
		TDV-T	296.7	220.0	76.6	
		SOURCE	23.6	16.5	7.0	
	300°	TDV-E	292.1	219.3	72.7	
		TDV-T	292.1	219.3	72.7	
		SOURCE	23.2	16.5	6.7	
	345°	TDV-E	279.1	213.2	66.0	
		TDV-T	279.1	213.2	66.0	
		SOURCE	22.3	16.1	6.2	

CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D	30°	TDV-E	318.8	249.9	68.8	
		TDV-T	231.0	213.3	17.8	
		SOURCE	19.4	14.3	5.1	
	75°	TDV-E	333.3	253.6	79.7	
		TDV-T	245.5	217.7	27.9	
		SOURCE	20.5	14.6	5.9	
	120°	TDV-E	328.1	252.0	76.1	
		TDV-T	240.4	217.1	23.2	
		SOURCE	20.1	14.5	5.5	
	165°	TDV-E	302.2	246.9	55.3	Worst Case
		TDV-T	214.4	210.1	4.3	Worst Case
		SOURCE	18.1	14.0	4.0	Worst Case
	210°	TDV-E	313.6	249.1	64.5	
		TDV-T	225.8	212.4	13.4	
		SOURCE	19.1	14.3	4.7	
	255°	TDV-E	321.8	253.1	68.8	
		TDV-T	234.1	217.1	16.9	
		SOURCE	19.7	14.6	5.1	
	300°	TDV-E	322.9	252.3	70.6	
		TDV-T	235.2	216.1	19.0	
		SOURCE	19.6	14.4	5.2	
	345°	TDV-E	305.0	247.5	57.4	
		TDV-T	217.2	210.8	6.5	
		SOURCE	18.3	14.0	4.2	

PC DESIGN REVIEW INFORMATION

Title 24-2022, Part 6, Energy Code

Model Name and Option: PC 70x36 — Calculation Date/Time of Energy Report: 10/10/2023
Total Floor Area: 2520 — DSA Application:
HVAC System Type: VSHP

CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
A	30°	TDV-E	264.6	217.1	47.6	
		TDV-T	264.6	217.1	47.6	
		SOURCE	34.5	20.3	14.2	
	75°	TDV-E	276.1	219.0	57.1	
		TDV-T	276.1	219.0	57.1	
		SOURCE	34.9	20.4	14.5	
	120°	TDV-E	264.2	218.4	45.8	
		TDV-T	264.2	218.4	45.8	
		SOURCE	34.3	20.4	13.9	
	165°	TDV-E	255.2	215.1	40.1	
		TDV-T	255.2	215.1	40.1	
		SOURCE	33.8	20.1	13.7	
	210°	TDV-E	266.1	216.3	49.8	
		TDV-T	266.1	216.3	49.8	
		SOURCE	34.5	20.2	14.3	
	255°	TDV-E	273.8	218.9	54.9	
		TDV-T	273.8	218.9	54.9	
		SOURCE	34.8	20.4	14.4	
	300°	TDV-E	264.6	219.1	45.5	
		TDV-T	264.6	219.1	45.5	
		SOURCE	34.4	20.5	14.0	
	345°	TDV-E	252.4	216.2	36.3	Worst Case
		TDV-T	252.4	216.2	36.3	Worst Case
		SOURCE	33.8	20.2	13.6	Worst Case

CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
B	30°	TDV-E	180.1	109.3	70.7	
		TDV-T	180.1	109.3	70.7	
		SOURCE	17.0	11.1	5.9	
	75°	TDV-E	180.2	109.3	70.9	
		TDV-T	180.2	109.3	70.9	
		SOURCE	17.0	11.1	5.9	
	120°	TDV-E	184.0	108.8	75.2	
		TDV-T	184.0	108.8	75.2	
		SOURCE	17.4	11.1	6.3	
	165°	TDV-E	176.4	108.1	68.2	
		TDV-T	176.4	108.1	68.2	
		SOURCE	16.7	11.0	5.7	
	210°	TDV-E	183.1	109.4	73.6	
		TDV-T	183.1	109.4	73.6	
		SOURCE	17.2	11.1	6.1	
	255°	TDV-E	182.8	109.6	73.2	
		TDV-T	182.8	109.6	73.2	
		SOURCE	17.2	11.1	6.1	
	300°	TDV-E	185.9	109.0	77.0	
		TDV-T	185.9	109.0	77.0	
		SOURCE	17.5	11.1	6.4	
	345°	TDV-E	174.2	108.2	66.0	Worst Case
		TDV-T	174.2	108.2	66.0	Worst Case
		SOURCE	16.5	11.1	5.5	Worst Case

CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
C	30°	TDV-E	236.7	167.1	69.6	
		TDV-T	185.5	167.1	18.4	
		SOURCE	16.1	11.9	4.2	
	75°	TDV-E	242.5	173.0	69.5	
		TDV-T	191.2	173.0	18.2	
		SOURCE	16.5	12.1	4.3	
	120°	TDV-E	239.7	172.1	67.7	
		TDV-T	188.5	172.1	16.4	
		SOURCE	16.2	12.1	4.1	
	165°	TDV-E	273.9	164.9	109.0	
		TDV-T	222.6	164.9	57.8	
		SOURCE	20.0	11.7	8.3	
	210°	TDV-E	237.3	167.6	69.7	
		TDV-T	186.0	167.6	18.4	
		SOURCE	16.1	11.9	4.2	
	255°	TDV-E	244.4	174.3	70.1	
		TDV-T	193.1	174.3	18.8	
		SOURCE	16.5	12.2	4.3	
	300°	TDV-E	241.0	173.0	68.0	
		TDV-T	189.7	173.0	16.7	
		SOURCE	16.3	12.1	4.2	
	345°	TDV-E	226.2	165.1	61.2	Worst Case
		TDV-T	175.0	165.1	9.9	Worst Case
		SOURCE	15.3	11.7	3.6	Worst Case

CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D	30°	TDV-E	313.1	211.0	102.1	
		TDV-T	225.3	168.3	57.0	
		SOURCE	19.0	11.1	7.9	
	75°	TDV-E	279.7	216.4	63.3	
		TDV-T	191.9	174.6	17.3	
		SOURCE	15.2	11.4	3.8	
	120°	TDV-E	274.4	214.8	59.7	
		TDV-T	186.7	174.2	12.5	
		SOURCE	14.6	11.3	3.3	
	165°	TDV-E	256.2	208.3	47.9	
		TDV-T	168.4	165.5	2.9	
		SOURCE	13.4	10.8	2.6	
	210°	TDV-E	268.4	211.7	56.6	
		TDV-T	180.6	169.1	11.5	
		SOURCE	14.5	11.2	3.3	
	255°	TDV-E	281.0	217.4	63.6	
		TDV-T	193.3	175.6	17.7	
		SOURCE	15.3	11.5	3.8	
	300°	TDV-E	274.6	215.1	59.5	
		TDV-T	186.8	173.0	13.8	
		SOURCE	14.6	11.2	3.4	
	345°	TDV-E	255.1	207.9	47.2	Worst Case
		TDV-T	167.4	165.1	2.2	Worst Case
		SOURCE	13.3	10.8	2.6	Worst Case

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7® by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 05/14/2024

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
28x36 - BUILDING

SHEET NUMBER:
EN.1C

PC DESIGN REVIEW INFORMATION

Title 24-2022, Part 6, Energy Code

Model Name and Option: PC 84x36
Calculation Date/Time of Energy Report: 10/10/2023
Total Floor Area: 3024
DSA Application:
HVAC System Type: VSHP

CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
A	30°	TDV-E	259.2	212.2	46.9	
		TDV-T	259.2	212.2	46.9	
		SOURCE	33.5	20.1	13.5	
	75°	TDV-E	265.8	214.8	50.9	
		TDV-T	265.8	214.8	50.9	
		SOURCE	33.8	20.3	13.5	
	120°	TDV-E	260.1	214.8	45.3	
		TDV-T	260.1	214.8	45.3	
		SOURCE	33.6	20.4	13.3	
	165°	TDV-E	247.6	211.7	36.0	Worst Case
		TDV-T	247.6	211.7	36.0	Worst Case
		SOURCE	33.0	20.1	12.9	Worst Case
	210°	TDV-E	258.3	212.6	45.7	
		TDV-T	258.3	212.6	45.7	
		SOURCE	33.6	20.1	13.5	
	255°	TDV-E	270.5	214.9	55.6	
		TDV-T	270.5	214.9	55.6	
		SOURCE	34.0	20.3	13.7	
	300°	TDV-E	258.6	214.4	44.2	
		TDV-T	258.6	214.4	44.2	
		SOURCE	33.4	20.3	13.1	
	345°	TDV-E	251.8	210.9	40.8	
		TDV-T	251.8	210.9	40.8	
		SOURCE	33.0	20.0	13.0	
CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
B	30°	TDV-E	182.1	114.8	67.3	
		TDV-T	182.1	114.8	67.3	
		SOURCE	17.1	11.5	5.6	
	75°	TDV-E	182.0	115.1	66.9	
		TDV-T	182.0	115.1	66.9	
		SOURCE	17.2	11.6	5.6	
	120°	TDV-E	203.3	114.4	88.9	
		TDV-T	203.3	114.4	88.9	
		SOURCE	19.1	11.6	7.5	
	165°	TDV-E	171.9	113.3	58.5	Worst Case
		TDV-T	171.9	113.3	58.5	Worst Case
		SOURCE	16.4	11.5	4.9	Worst Case
	210°	TDV-E	177.4	114.3	63.0	
		TDV-T	177.4	114.3	63.0	
		SOURCE	16.8	11.6	5.2	
	255°	TDV-E	177.7	114.5	63.1	
		TDV-T	177.7	114.5	63.1	
		SOURCE	16.8	11.5	5.2	
	300°	TDV-E	199.2	114.0	85.1	
		TDV-T	199.2	114.0	85.1	
		SOURCE	18.7	11.5	7.1	
	345°	TDV-E	175.4	113.4	62.0	
		TDV-T	175.4	113.4	62.0	
		SOURCE	16.6	11.5	5.2	
CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
C	30°	TDV-E	286.2	212.4	73.8	
		TDV-T	234.9	212.4	22.5	
		SOURCE	20.9	16.0	4.9	
	75°	TDV-E	297.2	218.1	79.1	
		TDV-T	245.9	218.1	27.8	
		SOURCE	21.7	16.3	5.4	
	120°	TDV-E	290.6	217.0	73.7	
		TDV-T	239.3	217.0	22.4	
		SOURCE	21.2	16.3	5.0	
	165°	TDV-E	270.9	209.8	61.1	Worst Case
		TDV-T	219.6	209.8	9.9	Worst Case
		SOURCE	19.8	15.9	3.9	Worst Case
	210°	TDV-E	281.5	211.7	69.8	
		TDV-T	230.3	211.7	18.5	
		SOURCE	20.6	16.0	4.6	
	255°	TDV-E	291.0	217.2	73.8	
		TDV-T	239.7	217.2	22.5	
		SOURCE	21.2	16.3	4.9	
	300°	TDV-E	286.0	216.3	69.6	
		TDV-T	234.7	216.3	18.4	
		SOURCE	20.8	16.2	4.6	
	345°	TDV-E	273.3	209.7	63.6	
		TDV-T	222.0	209.7	12.3	
		SOURCE	19.9	15.8	4.1	
CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D	30°	TDV-E	312.0	246.9	65.1	
		TDV-T	224.3	206.9	17.4	
		SOURCE	18.8	14.0	4.9	
	75°	TDV-E	326.8	251.0	75.9	
		TDV-T	239.1	211.8	27.3	
		SOURCE	19.9	14.3	5.7	
	120°	TDV-E	320.9	249.3	71.6	
		TDV-T	233.1	211.2	21.9	
		SOURCE	19.4	14.2	5.2	
	165°	TDV-E	295.8	243.7	52.1	Worst Case
		TDV-T	208.1	203.5	4.5	Worst Case
		SOURCE	17.5	13.7	3.9	Worst Case
	210°	TDV-E	303.3	246.1	57.2	
		TDV-T	215.5	206.0	9.5	
		SOURCE	18.3	14.0	4.3	
	255°	TDV-E	318.0	250.5	67.5	
		TDV-T	230.2	211.3	18.9	
		SOURCE	19.4	14.3	5.1	
	300°	TDV-E	315.6	249.5	66.1	
		TDV-T	227.8	210.0	17.8	
		SOURCE	19.0	14.1	4.9	
	345°	TDV-E	298.9	244.4	54.6	
		TDV-T	211.2	204.2	6.9	
		SOURCE	17.8	13.7	4.1	

PC DESIGN REVIEW INFORMATION

Title 24-2022, Part 6, Energy Code

Model Name and Option: PC 98x36
Calculation Date/Time of Energy Report: 10/10/2023
Total Floor Area: 3528
DSA Application:
HVAC System Type: VSHP

CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
A	30°	TDV-E	259.6	211.1	48.5	
		TDV-T	220.0	209.4	10.6	
		SOURCE	31.8	19.7	12.2	
	75°	TDV-E	269.5	213.5	56.0	
		TDV-T	229.9	211.9	18.0	
		SOURCE	32.2	19.9	12.3	
	120°	TDV-E	260.9	213.1	47.8	
		TDV-T	221.3	211.6	9.8	
		SOURCE	31.7	19.9	11.9	
	165°	TDV-E	249.6	209.7	39.9	
		TDV-T	210.0	208.1	2.0	
		SOURCE	31.2	19.6	11.6	
	210°	TDV-E	259.0	210.7	48.3	
		TDV-T	219.4	209.1	10.3	
		SOURCE	31.7	19.6	12.1	
	255°	TDV-E	269.7	213.4	56.3	
		TDV-T	230.1	211.8	18.3	
		SOURCE	32.2	19.9	12.3	
	300°	TDV-E	261.1	213.3	47.9	
		TDV-T	221.5	211.7	9.8	
		SOURCE	31.8	19.9	11.9	
	345°	TDV-E	249.0	210.0	38.9	Worst Case
		TDV-T	209.4	208.4	1.0	Worst Case
		SOURCE	31.2	19.6	11.6	Worst Case
CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
B	30°	TDV-E	179.1	109.4	69.7	
		TDV-T	139.3	109.4	29.9	
		SOURCE	15.2	11.0	4.1	
	75°	TDV-E	179.3	109.6	69.7	
		TDV-T	139.5	109.6	29.9	
		SOURCE	15.2	11.1	4.1	
	120°	TDV-E	189.2	108.9	80.3	
		TDV-T	149.4	108.9	40.5	
		SOURCE	16.1	11.0	5.0	
	165°	TDV-E	174.1	108.1	66.0	
		TDV-T	134.3	108.1	26.2	
		SOURCE	14.8	11.0	3.8	
	210°	TDV-E	180.2	109.4	70.9	
		TDV-T	140.5	109.4	31.1	
		SOURCE	15.3	11.0	4.3	
	255°	TDV-E	180.2	109.6	70.6	
		TDV-T	140.4	109.6	30.8	
		SOURCE	15.3	11.1	4.2	
	300°	TDV-E	188.7	108.9	79.8	
		TDV-T	148.9	108.9	40.0	
		SOURCE	16.1	11.0	5.0	
	345°	TDV-E	173.1	108.0	65.1	Worst Case
		TDV-T	133.3	108.0	25.3	Worst Case
		SOURCE	14.7	11.0	3.7	Worst Case
CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
C	30°	TDV-E	247.3	213.0	34.2	
		TDV-T	196.0	183.4	12.6	
		SOURCE	17.1	15.1	2.0	
	75°	TDV-E	255.4	218.2	37.2	
		TDV-T	204.2	188.9	15.3	
		SOURCE	17.7	15.4	2.3	
	120°	TDV-E	252.1	217.1	35.0	
		TDV-T	200.9	188.6	12.3	
		SOURCE	17.4	15.4	2.0	
	165°	TDV-E	235.9	210.8	25.1	Worst Case
		TDV-T	184.7	181.5	3.1	Worst Case
		SOURCE	16.3	15.0	1.3	Worst Case
	210°	TDV-E	247.1	213.3	33.8	
		TDV-T	195.8	183.7	12.2	
		SOURCE	17.1	15.2	2.0	
	255°	TDV-E	255.5	218.5	37.0	
		TDV-T	204.2	189.2	15.0	
		SOURCE	17.6	15.5	2.1	
	300°	TDV-E	250.7	217.1	33.6	
		TDV-T	199.4	188.5	10.9	
		SOURCE	17.3	15.4	1.9	
	345°	TDV-E	236.6	210.6	26.0	
		TDV-T	185.4	181.4	4.0	
		SOURCE	16.3	15.0	1.4	
CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D	30°	TDV-E	308.0	248.3	59.7	
		TDV-T	220.2	172.1	48.1	
		SOURCE	18.6	13.0	5.5	
	75°	TDV-E	289.6	255.6	33.9	
		TDV-T	201.8	181.0	20.8	
		SOURCE	16.2	13.0	3.2	
	120°	TDV-E	317.1	251.0	66.1	
		TDV-T	229.4	178.5	50.8	
		SOURCE	19.1	13.3	5.8	
	165°	TDV-E	263.0	245.8	17.2	Worst Case
		TDV-T	175.2	169.4	5.8	Worst Case
		SOURCE	14.2	12.7	1.5	Worst Case
	210°	TDV-E	274.3	250.6	23.7	
		TDV-T	186.6	174.4	12.2	
		SOURCE	15.2	12.7	2.5	
	255°	TDV-E	286.7	256.4	30.3	
		TDV-T	199.0	181.8	17.2	
		SOURCE	16.0	13.1	3.0	
	300°	TDV-E	281.8	255.0	26.7	
		TDV-T	194.0	179.9	14.1	
		SOURCE	15.5	12.8	2.7	
	345°	TDV-E	264.8	245.8	19.0	
		TDV-T	177.0	169.4	7.6	
		SOURCE	14.3	12.7	1.6	

PC DESIGN REVIEW INFORMATION

Title 24-2022, Part 6, Energy Code

Model Name and Option: PC 112x36
Calculation Date/Time of Energy Report: 10/10/2023
Total Floor Area: 4032
DSA Application:
HVAC System Type: VSHP

CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
A	30°	TDV-E	299.5	208.3	91.1	
		TDV-T	259.9	208.3	51.5	
		SOURCE	42.1	19.7	22.5	
	75°	TDV-E	307.9	211.2	96.7	
		TDV-T	268.3	211.2	57.1	
		SOURCE	42.6	19.9	22.7	
	120°	TDV-E	301.5	211.0	90.5	
		TDV-T	261.9	211.0	50.9	
		SOURCE	42.4	20.0	22.5	
	165°	TDV-E	287.2	207.6	79.6	Worst Case
		TDV-T	247.6	207.6	40.0	Worst Case
		SOURCE	41.7	19.7	22.0	Worst Case
	210°	TDV-E	297.7	208.7	89.0	
		TDV-T	258.1	208.7	49.4	
		SOURCE	42.2	19.7	22.5	
	255°	TDV-E	312.1	211.2	100.8	
		TDV-T	272.5	211.2	61.2	
		SOURCE	42.8	19.9	22.8	
	300°	TDV-E	299.3	210.6	88.7	
		TDV-T	259.7	210.6	49.1	
		SOURCE	42.2	19.9	22.3	
	345°	TDV-E	291.9	207.0	84.9	
		TDV-T	252.3	207.0	45.3	
		SOURCE	41.6	19.6	22.1	
CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
B	30°	TDV-E	211.6	113.6	98.0	
		TDV-T	171.8	113.6	58.2	
		SOURCE	17.9	11.4	6.5	
	75°	TDV-E	212.4	114.0	98.3	
		TDV-T	172.6	114.0	58.5	
		SOURCE	18.0	11.4	6.6	
	120°	TDV-E	202.5	113.2	89.2	
		TDV-T	162.7	113.2	49.4	
		SOURCE	17.3	11.4	5.8	
	165°	TDV-E	199.7	112.0	87.7	
		TDV-T	159.9	112.0	47.9	
		SOURCE	17.0	11.4	5.7	
	210°	TDV-E	206.1	113.3	92.8	
		TDV-T	166.3	113.3	53.0	
		SOURCE	17.5	11.4	6.1	
	255°	TDV-E	207.4	113.6	93.8	
		TDV-T	167.6	113.6	54.0	
		SOURCE	17.6	11.4	6.2	
	300°	TDV-E	198.5	112.9	85.7	Worst Case
		TDV-T	158.7	112.9	45.9	Worst Case
		SOURCE	16.9	11.4	5.5	Worst Case
	345°	TDV-E	203.8	112.2	91.6	
		TDV-T	164.0	112.2	51.8	
		SOURCE	17.3	11.3	6.0	
CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
C	30°	TDV-E	320.8	210.2	110.6	
		TDV-T	269.5	210.2	59.4	
		SOURCE	23.6	15.9	7.7	
	75°	TDV-E	332.2	216.2	116.0	
		TDV-T	281.0	216.2	64.7	
		SOURCE	24.4	16.1	8.2	
	120°	TDV-E	325.0	214.9	110.1	
		TDV-T	273.7	214.9	58.8	
		SOURCE	23.9	16.1	7.8	
	165°	TDV-E	304.8	207.4	97.4	Worst Case
		TDV-T	253.5	207.4	46.1	Worst Case
		SOURCE	22.4	15.7	6.7	Worst Case
	210°	TDV-E	316.1	209.6	106.5	
		TDV-T	264.9	209.6	55.3	
		SOURCE	23.3	15.9	7.4	
	255°	TDV-E	325.9	215.5	110.5	
		TDV-T	274.7	215.5	59.2	
		SOURCE	23.9	16.1	7.7	
	300°	TDV-E	320.4	214.3	106.1	
		TDV-T	269.1	214.3	54.8	
		SOURCE	23.5	16.1	7.4	
	345°	TDV-E	307.4	207.4	100.0	
		TDV-T	256.1	207.4	48.7	
		SOURCE	22.5	15.6	6.9	
CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D	30°	TDV-E	346.8	244.9	102.0	
		TDV-T	259.1	244.9	14.2	
		SOURCE	20.9	15.3	5.6	
	75°	TDV-E	362.2	249.2	113.0	
		TDV-T	274.4	249.2	25.2	
		SOURCE	22.0	15.5	6.5	
	120°	TDV-E	355.3	247.4	107.9	
		TDV-T	267.5	247.4	20.2	
		SOURCE	21.4	15.4	6.1	
	165°	TDV-E	329.4	241.4	88.1	Worst Case
		TDV-T	241.7	241.4	0.3	Worst Case
		SOURCE	19.5	15.0	4.5	Worst Case
	210°	TDV-E	335.5	243.9	91.6	
		TDV-T	247.8	243.9	3.8	
		SOURCE	20.2	15.3	4.9	
	255°	TDV-E	350.7	248.7	101.9	
		TDV-T	262.9	248.7	14.2	
		SOURCE	21.3	15.5	5.7	
	300°	TDV-E	350.0	247.5	102.5	
		TDV-T	262.2	247.5	14.7	
		SOURCE	21.0	15.4	5.6	
	345°	TDV-E	332.7	242.3	90.5	
		TDV-T	245.0	242.3	2.7	
		SOURCE	19.7	15.0	4.7	

PC DESIGN REVIEW INFORMATION

Title 24-2022, Part 6, Energy Code

Model Name and Option: PC 126x36
Calculation Date/Time of Energy Report: 10/10/2023
Total Floor Area: 4536
DSA Application:
HVAC System Type: VSHP

CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
A	30°	TDV-E	257.2	207.6	49.7	
		TDV-T	217.7	207.6	10.1	
		SOURCE	31.2	19.4	11.8	
	75°	TDV-E	267.6	210.2	57.3	
		TDV-T	228.0	210.2	17.7	
		SOURCE	31.7	19.6	12.0	
	120°	TDV-E	258.3	210.0	48.3	
		TDV-T	218.7	210.0	8.7	
		SOURCE	31.2	19.7	11.6	
	165°	TDV-E	246.5	206.4	40.1	Worst Case
		TDV-T	206.9	206.4	0.5	Worst Case
		SOURCE	30.6	19.3	11.3	
	210°	TDV-E	256.7	207.3	49.4	
		TDV-T	217.1	207.3	9.8	
		SOURCE	31.2	19.4	11.8	
	255°	TDV-E	268.0	210.1	57.9	
		TDV-T	228.4	210.1	18.3	
		SOURCE	31.7	19.6	12.1	
	300°	TDV-E	257.8	210.0	47.7	
		TDV-T	218.2	210.0	8.1	
		SOURCE	31.2	19.7	11.5	
	345°	TDV-E	246.9	206.6	40.3	
		TDV-T	207.3	206.6	0.7	
		SOURCE	30.6	19.3	11.3	Worst Case
CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
B	30°	TDV-E	178.3	108.9	69.4	
		TDV-T	138.5	108.9	29.6	
		SOURCE	15.0	11.0	4.0	
	75°	TDV-E	178.4	109.2	69.3	
		TDV-T	138.7	109.2	29.5	
		SOURCE	15.0	11.0	4.1	
	120°	TDV-E	190.8	108.6	82.3	
		TDV-T	151.0	108.6	42.5	
		SOURCE	16.1	11.0	5.2	
	165°	TDV-E	172.0	107.6	64.5	Worst Case
		TDV-T	132.2	107.6	24.7	Worst Case
		SOURCE	14.5	10.9	3.6	Worst Case
	210°	TDV-E	177.9	108.8	69.1	
		TDV-T	138.1	108.8	29.3	
		SOURCE	15.0	10.9	4.0	
	255°	TDV-E	178.0	109.0	69.0	
		TDV-T	138.2	109.0	29.2	
		SOURCE	15.0	11.0	4.0	
	300°	TDV-E	189.8	108.4	81.4	
		TDV-T	150.0	108.4	41.6	
		SOURCE	16.1	11.0	5.1	
	345°	TDV-E	172.3	107.7	64.7	
		TDV-T	132.5	107.7	24.9	
		SOURCE	14.5	10.9	3.7	
CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
C	30°	TDV-E	255.9	210.9	45.1	
		TDV-T	204.7	193.3	11.4	
		SOURCE	17.9	15.3	2.7	
	75°	TDV-E	263.1	216.6	46.5	
		TDV-T	211.8	199.1	12.7	
		SOURCE	18.5	15.6	2.9	
	120°	TDV-E	259.5	215.4	44.2	
		TDV-T	208.3	198.4	9.9	
		SOURCE	18.1	15.6	2.6	
	165°	TDV-E	268.8	208.4	60.4	
		TDV-T	217.5	191.0	26.5	
		SOURCE	19.5	15.1	4.4	
	210°	TDV-E	254.3	210.8	43.5	
		TDV-T	203.1	193.2	9.9	
		SOURCE	17.9	15.3	2.6	
	255°	TDV-E	263.4	216.5	46.9	
		TDV-T	212.1	199.1	13.0	
		SOURCE	18.4	15.6	2.8	
	300°	TDV-E	258.4	215.4	43.0	
		TDV-T	207.2	198.4	8.7	
		SOURCE	18.0	15.5	2.5	
	345°	TDV-E	244.7	208.5	36.2	Worst Case
		TDV-T	193.4	191.1	2.3	Worst Case
		SOURCE	17.1	15.1	2.0	Worst Case
CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D	30°	TDV-E	308.5	246.0	62.5	
		TDV-T	220.7	180.8	39.9	
		SOURCE	18.5	13.1	5.4	
	75°	TDV-E	297.8	250.3	47.5	
		TDV-T	210.0	186.4	23.6	
		SOURCE	17.0	13.5	3.5	
	120°	TDV-E	316.5	248.8	67.6	
		TDV-T	228.7	186.8	41.9	
		SOURCE	19.0	13.4	5.6	
	165°	TDV-E	270.4	243.3	27.1	Worst Case
		TDV-T	182.6	177.9	4.7	Worst Case
		SOURCE	15.0	12.8	2.2	Worst Case
	210°	TDV-E	280.9	245.9	35.0	
		TDV-T	193.1	180.7	12.5	
		SOURCE	15.9	13.1	2.8	
	255°	TDV-E	293.5	250.4	43.1	
		TDV-T	205.8	186.5	19.2	
		SOURCE	16.7	13.5	3.3	
	300°	TDV-E	286.6	249.1	37.5	
		TDV-T	198.8	184.8	14.0	
		SOURCE	16.1	13.2	2.9	
	345°	TDV-E	271.2	243.5	27.7	
		TDV-T	183.4	178.1	5.3	
		SOURCE	15.0	12.8	2.2	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7® by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDAL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
△1
△2
△3
△4

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
28x36 - BUILDING

SHEET NUMBER:
EN.1D

PC DESIGN REVIEW INFORMATION

Title 24-2022, Part 6, Energy Code

Model Name and Option:	PC 140x36	Calculation Date/Time of Energy Report:	10/10/2023
Total Floor Area:	5040	DSA Application:	
HVAC System Type:	VSHP		

CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
A	30°	TDV-E	253.8	206.2	47.6	
		TDV-T	210.1	197.2	13.0	
		SOURCE	30.2	19.1	11.1	
	75°	TDV-E	260.6	209.2	51.5	
		TDV-T	217.3	200.3	17.0	
		SOURCE	30.5	19.3	11.2	
	120°	TDV-E	254.7	209.1	45.6	
		TDV-T	210.1	200.6	9.5	
		SOURCE	30.3	19.4	10.9	
	165°	TDV-E	242.5	205.7	36.9	Worst Case
		TDV-T	197.7	196.6	1.1	Worst Case
		SOURCE	29.6	19.1	10.5	Worst Case
	210°	TDV-E	252.9	206.6	46.3	
		TDV-T	209.4	197.6	11.8	
		SOURCE	30.2	19.1	11.1	
	255°	TDV-E	265.7	209.1	56.5	
		TDV-T	222.4	200.3	22.1	
		SOURCE	30.8	19.3	11.4	
	300°	TDV-E	253.5	208.6	44.8	
		TDV-T	208.5	199.7	8.8	
		SOURCE	30.1	19.3	10.8	
	345°	TDV-E	246.9	205.0	41.9	
		TDV-T	201.6	195.9	5.7	
		SOURCE	29.7	19.0	10.7	

CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
B	30°	TDV-E	179.5	113.0	66.5	
		TDV-T	136.5	113.0	23.5	
		SOURCE	14.4	11.3	3.1	
	75°	TDV-E	179.3	113.5	65.8	
		TDV-T	136.2	113.5	22.7	
		SOURCE	14.4	11.4	3.1	
	120°	TDV-E	200.8	112.7	88.1	
		TDV-T	157.7	112.7	45.0	
		SOURCE	16.3	11.4	5.0	
	165°	TDV-E	169.4	111.4	57.9	Worst Case
		TDV-T	126.3	111.4	14.8	Worst Case
		SOURCE	13.6	11.3	2.4	Worst Case
	210°	TDV-E	174.9	112.7	62.2	
		TDV-T	131.8	112.7	19.1	
		SOURCE	14.1	11.3	2.7	
	255°	TDV-E	174.9	113.0	61.9	
		TDV-T	131.9	113.0	18.9	
		SOURCE	14.1	11.3	2.7	
	300°	TDV-E	196.8	112.3	84.5	
		TDV-T	153.7	112.3	41.5	
		SOURCE	16.0	11.3	4.7	
	345°	TDV-E	172.9	111.6	61.2	
		TDV-T	129.8	111.6	18.2	
		SOURCE	13.9	11.2	2.7	

CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
C	30°	TDV-E	281.7	209.3	72.4	
		TDV-T	228.5	209.3	19.3	
		SOURCE	20.0	15.8	4.2	
	75°	TDV-E	293.0	215.4	77.6	
		TDV-T	239.7	215.4	24.3	
		SOURCE	20.8	16.1	4.7	
	120°	TDV-E	286.0	214.1	71.9	
		TDV-T	232.6	214.1	18.5	
		SOURCE	20.3	16.0	4.2	
	165°	TDV-E	266.6	206.6	60.0	Worst Case
		TDV-T	213.5	206.6	6.9	Worst Case
		SOURCE	18.8	15.6	3.2	Worst Case
	210°	TDV-E	277.2	208.6	68.6	
		TDV-T	223.9	208.6	15.2	
		SOURCE	19.7	15.8	3.9	
	255°	TDV-E	286.9	214.6	72.3	
		TDV-T	233.5	214.6	19.0	
		SOURCE	20.3	16.0	4.3	
	300°	TDV-E	281.4	213.4	67.9	
		TDV-T	228.1	213.4	14.7	
		SOURCE	19.9	16.0	3.9	
	345°	TDV-E	269.0	206.5	62.5	
		TDV-T	215.9	206.5	9.4	
		SOURCE	18.9	15.6	3.4	

CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D	30°	TDV-E	306.8	243.9	62.8	
		TDV-T	217.0	199.9	17.1	
		SOURCE	17.6	13.6	4.0	
	75°	TDV-E	321.9	248.5	73.4	
		TDV-T	232.2	205.4	26.9	
		SOURCE	18.7	13.9	4.8	
	120°	TDV-E	315.2	246.7	68.6	
		TDV-T	225.5	204.8	20.7	
		SOURCE	18.1	13.9	4.3	
	165°	TDV-E	289.4	240.6	48.8	Worst Case
		TDV-T	199.6	196.5	3.1	Worst Case
		SOURCE	16.2	13.3	2.9	Worst Case
	210°	TDV-E	298.3	243.0	55.3	
		TDV-T	208.5	199.0	9.5	
		SOURCE	17.1	13.6	3.5	
	255°	TDV-E	313.4	247.9	65.4	
		TDV-T	223.7	204.8	18.9	
		SOURCE	18.2	13.9	4.3	
	300°	TDV-E	310.2	246.8	63.4	
		TDV-T	220.5	203.5	17.1	
		SOURCE	17.7	13.7	4.0	
	345°	TDV-E	293.9	241.4	52.5	
		TDV-T	204.2	197.3	7.0	
		SOURCE	16.5	13.3	3.2	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121092 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 05/14/2024

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS
28x36 - BUILDING

SHEET NUMBER:

EN.1E

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-SAB-E

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/ 170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)3C for multifamily and hotel/ motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/ 160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/ 160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft^2 of roof area. Alterations, or additions of less than 2,000 ft^2 of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name:	AMS PC 28-140x36	**Report Page:**	(Page 1 of 7)
Project Address:		**Date Prepared:**	2024-01-24T14:07:33-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Palm Spring-Intl	04	Building Occupancies	School or Classroom
02	Climate Zone	15	05	Construction Type	New construction
03	Conditioned Floor Area (ft^2)	5040	06	Number of Stories	Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)1B/ 140.10/ 170.2(g and h) is indicated below.

Compliance with Solar Readiness Requirements in 110.10(b)1B

01		
☒	Provide Solar Ready Area no exceptions	The project has allocated a solar zone on the roof plan per requirements in §110.10(b), as documented in Table F.
☐	Exception to Solar Ready Area: Installed Solar Photovoltaic System	The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area as documented in Table G.
☐	Exception to Solar Ready Area: Installed Solar Water Heating System	The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H.
☐	Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure	The project is a multifamily occupancy where all thermostats in each dwelling unit comply with §110.12(a) AND at least one additional measure listed in Exception 4 to §110.10(b)1B is installed, as documented in Table I.
☐	Exception to Solar Ready Area: Roof is designed for vehicular traffic, parking or for heliport	Plan sheet showing roof designed for vehicular traffic, parking or heliport
☐	Exception to Solar Ready Area: Roof too small	The project is new construction and has a total roof area <= 533 square feet[1]
☐	Exception to Solar Ready Area: Number of building stories	The project is nonresidential > 3 stories or multifamily/ hotel/motel > 10 stories.

[1] *FOOTNOTE: Buildings with roof area <=533 ft^2 would have a required solar zone < 80 ft^2 and are therefore exempt per 110.10(b)1.*

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-SAB-E

Project Name:	AMS PC 28-140x36	**Report Page:**	(Page 2 of 7)
		Date Prepared:	2024-01-24T14:07:33-05:00

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g and h)

01		
☐	Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)	The project has included an installed PV system and battery storage system per requirements in 140.10/ 170.2(g and h) as documented in Table J.
☐	Exception to PV and Battery: Not enough Solar Access Roof Area	The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.
☐	Exception to PV and Battery: Required PV < 4kW	The required PV system size is less than 4 kW dc as documented in Table J..
☐	Exception to PV and Battery: No contiguous Solar Access Roof Area	The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table J.
☐	Exception to PV and Battery: Can't meet snow load	The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.
☐	Exception to PV and Battery: Multi-tenant without VNEM or Community Solar	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.
☒	The prescriptive PV/battery requirement has been traded off using the performance compliance approach as documented on the PRF Certificate of Compliance form.	

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)3C (Multifamily and hotel/ motel occupancies only)

01	
☐	The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H. Compliance meets Exception 2 to solar ready requirements in 110.10(b).

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-SAB-E

Project Name:	AMS PC 28-140x36	**Report Page:**	(Page 3 of 7)
		Date Prepared:	2024-01-24T14:07:33-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance or see the applicable Table referenced below.

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02	OR	03		04	OR	05		06	OR	07	08	
Required Minimum Area (ft^2)	<=	Designated Area (ft^2)		Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)		Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction		JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	COMPLIES
(See Table F)				(See Tables G or J)				(See Table H)				(See Table I)		
756	<=	756	OR		<=		OR		<=		OR			
A2.0 Roofing Plan for Solar Zones	Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).													COMPLIES
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.														Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-SAB-E

Project Name:	AMS PC 28-140x36	**Report Page:**	(Page 4 of 7)
		Date Prepared:	2024-01-24T14:07:33-05:00

F. ALLOCATED SOLAR ZONE

This table is completed if the project is designating a solar zone to comply with §110.10(b)1B. New construction consider the total roof area; Additions consider newly added roof area. This table demonstrates that the project has designated the minimum area required for the Allocated Solar Zone, and also that the requirements for Solar Zone Subareas have been met. Each subarea must be shown on a roof plan or documented in construction documents. The solar zones must also comply with fire code requirements, including, but not limited to, setback and pathway requirements. Requirements for interconnection pathways must also be included in construction documents, and the location is specified in this table.

Required Minimum Solar Zone

01	02	03	04	05	06			07	08
					Potential Solar Zone Areas: Roof areas with >= 70% Solar Access				
Minimum Solar Zone Area Calculation Method	Total New or Added Roof Area (ft^2)	Total New or Added Roof Area Covered with Skylights (ft^2)	Minimum Solar Zone Based on Total or Added Roof Area (0.15 x (Roof-Skylt)) (ft^2)	Method/ Tools Used to Determine Annual Solar Access for Potential Zones[1]	Low-Sloped Area (<= 2:12 pitch) (ft^2)	Steep-Sloped Area (> 2:12 pitch) Oriented 90 ° - 300 ° (ft^2)	Total Potential Solar Zone Area (ft^2)	Minimum Solar Zone Based on Potential Zone (0.5 x (Total Potential Zone)) (ft^2)	Required Minimum Solar Zone Area (ft^2)
Total New or Added Roof Area	5040	0	756						756

Designated Solar Zone Subareas

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low <= 2:12 pitch) (Steep > 2:12 pitch)	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Solar Zone Subarea Free of Obstructions per §110.10(b)3A	Subarea is Required Distance from Potential Obstructions per §110.10(b)3B	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft^2)	Designated Area (ft^2)	Subarea Complies?
A2.0 Roofing Plan for Solar Zones	A2.0 Roofing Plan for Solar Zones	Low slope		Yes	Yes	Yes	Yes	80	756	COMPLIES

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-SAB-E

Project Name:	AMS PC 28-140x36	**Report Page:**	(Page 5 of 7)
		Date Prepared:	2024-01-24T14:07:33-05:00

Interconnection Pathways

Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).	A2.0 Roofing Plan for Solar Zones

[1] *FOOTNOTE: This field is used to document how the percentage of annual solar access was determined per §110.10(b)1B. Solar access is the ratio of solar insolation including shade to the solar insolation without shade. Shading from obstructions located on the roof or any other part of the building shall not be included in the determination of annual solar access.*

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This section does not apply to this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included Table E. Additional Remarks and ExceptionalConditionMessageCCSABE += UserChangedSelectionInCI. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-SAB-E

Project Name:	AMS PC 28-140x36	**Report Page:**	(Page 6 of 7)
		Date Prepared:	2024-01-24T14:07:33-05:00

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-SAB-E

Project Name:	AMS PC 28-140x36	**Report Page:**	(Page 7 of 7)
Project Address:		**Date Prepared:**	2024-01-24T14:07:33-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Hans Marsman	Documentation Author Signature: Digitally signed by Hans Marsman, LEED AP, CEA Date: 2024.01.24 15:07:47-06'00'
Company: Marsman Consulting	Signature Date:
Address: 1150 J Street #409	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: San Diego, CA 92101	Phone: (619) 573-6374

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed 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 enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:
Company: American Modular Systems | Gen7 Schools	Date Signed: 01/24/2024
Address: 787 Spreckels Avenue	License: C12631
City/State/Zip: Manteca, CA 95336	Phone: 209.825.1921

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANNAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1	
2	
3	
4	

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS
28x36 - BUILDING

SHEET NUMBER:

EN.1F

Project Name:	**PC 70x36**	**Date Prepared:**	**2023-10-10**

A. General Information

1	Project Name	PC 70x36			
2	Run Title	Title 24 Analysis			
3	Project Location				
4	City	Palm Spring-Intl	**5**	Standards Version	Compliance 2022
6	Zip code	92240	**7**	Compliance Software (version)	CBECC 2022.3.0 (1302)
8	Climate Zone	15	**9**	Building Orientation (deg)	345
10	Building Type(s)	• Nonresidential	**11**	Weather File	PALM-SPRINGS_STYP20.epw
12	Project Scope	• New complete scope	**13**	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft^2)	2520	**15**	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft^2)	0	**17**	Fuel Type	None
18	Nonresidential Conditioned Floor Area	2520	**19**	Total # of Stories (Habitable Above Grade)	1
20	Residential Conditioned Floor Area	0			

B. PROJECT SUMMARY

Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.

Building Components Complying via Performance						**Building Components Complying Prescriptively**	
Envelope (See Table G)	Nonres	Performance	Solar Thermal Water Heating (See Table I3)	☐	Performance	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	MultiFam	Not Included		☒	Not Included		
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see Table J)	☐	Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
	MultiFam	Not Included		☒	Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
Domestic Hot Water (See Table I)	Nonres	Not Included	Covered Process: Laboratory Exhaust (see Table J)	☐	Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
	MultiFam	Not Included		☒	Not Included	**Building Components Complying with Mandatory Measures**	
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)	☒	Performance	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	MultiFam	Not Included		☐	Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battery (see Table F)	☐	Performance	Commissioning 120.8	NRCC-CXR-E is required
				☒	Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

---

C1. COMPLIANCE SUMMARY

COMPLIES[3]

	Time Dependent Valuaton (TDV)		Source Energy Use
	Efficiency[1] (kBtu/ft^2 - yr)	Total[2] (kBtu/ft^2 - yr)	Total[2] (kBtu/ft^2 - yr)
Standard Design	255.13	167.37	13.3
Proposed Design	207.94	165.15	10.75
Compliance Margins	**47.19**	**2.22**	**2.55**
	Pass	**Pass**	**Pass**

[1] *Efficiency measures include improvements like a better building envelope and more efficient equipment*

[2] *Compliance Totals include efficiency, photovoltaics and batteries*

[3] *New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded*
Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded

---

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft^2 - yr)

COMPLIES[2]

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	8.08	12.87	-4.79
Space Cooling	140.55	168.25	-27.7
Indoor Fans	92.67	18.76	73.91
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	0	0	0
Indoor Lighting	13.83	8.06	5.77
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**255.13**	**207.94**	**47.19 (18.5%)**
Photovoltaics	-87.76	-42.79	-44.97
Batteries	---	---	---
TOTAL COMPLIANCE	**167.37**	**165.15**	**2.22 (1.3%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Receptacle	66.69	66.69	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**234.06**	**231.84**	**2.22 (0.9%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft^2 /yr)

COMPLIES[2]

Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Space Heating	1.12	1.83	-0.71
Space Cooling	6.58	8.04	-1.46
Indoor Fans	7.4	1.47	5.93
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	0	0	0
Indoor Lighting	1.68	0.99	0.69
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**16.78**	**12.33**	**4.45 (26.5%)**
Photovoltaics	-3.48	-1.58	-1.9
Batteries	---	---	---
TOTAL COMPLIANCE	**13.3**	**10.75**	**2.55 (19.2%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Receptacle	4.92	4.92	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**18.22**	**15.67**	**2.55 (14%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1

☐ This project is pursuing CalGreen Tier 2

C7. ENERGY 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	0.6	1	-0.4	---	---	---
Space Cooling	10.9	13.1	-2.2	---	---	---
Indoor Fans	7.8	1.4	6.4	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	---	---	---	---	---	---
Indoor Lighting	1.1	0.6	0.5	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	**20.4**	**16.1**	**4.3**	**0**	**0**	**0**
Photovoltaics	-10.6	-5.1	-5.5	---	---	---
Batteries	---	---	---	---	---	---
ENERGY USE SUBTOTAL	**9.8**	**11**	**-1.2**	**0**	**0**	**0**
Receptacle	6.7	6.7	0	---	---	---
Process	---	---	---	---	---	---
Other Ltg	---	---	---	---	---	---
Process Motors	---	---	---	---	---	---
ENERGY USE TOTAL	**16.5**	**17.7**	**-1.2**	**0**	**0**	**0**

C8. ENERGY USE INTENSITY (EUI)

	Standard Design (kBtu/ft^2 / yr)	Proposed Design (kBtu/ft^2 / yr)	Margin (kBtu/ft^2 / yr)	Margin Percentage
GROSS EUI[1]	36.69	30.87	5.82	15.86
NET EUI[1]	22.34	23.97	-1.63	-7.3

[1] *Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.*

D1. 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.
- Project is claiming Exception 3 to Section 140.10(b): No battery storage system required for tenant spaces less than or equal to 5,000 ft2.

F1. REQUIRED PV SYSTEMS

01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	**Exception[1]**	**Module Type**	**Array Type**	**Power Electronics**	**CFI**	**Azimuth (deg)**	**Tilt Input**	**Array Angle (deg)**	**Tilt: (x in 12)**	**Inverter Eff. (%)**	**Annual Solar Access (%)**
3.2	n/a	Standard (14-17%)	Fixed	Microinverters	false	165	Degrees	5	1.05	96	98

[1] *See Table D1 for any PV exceptions used.*

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☒ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25
STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

△1	
△2	
△3	
△4	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
70x36 - BUILDING - GROUP C

SHEET NUMBER:
EN.31

F1B. PV BATTERY BUILDING TYPE(S)

01	02	03
Building Occupancy Type* (From Table 140.10-A/B and 170.2-U/V)	Conditioned Floor Area (ft^2)	Unconditioned Floor Area (ft^2)
Grocery	0	0
High-Rise Multifamily	0	0
Office, Financial Institutions, Unleased Tenant Space	0	0
Retail	0	0
School	2520	0
Warehouse	0	0
Auditorium, Convention Center, Hotel/Motel, Library, Medical Office Building/Clinic, Restaurant, Theater	0	0
None	0	0

**Building Occupancy Types are defined in Section 100.1 of the Energy Code*

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft^2)	Total Fenestration Area (ft^2)	Window to Wall Ratio (%)
North-Facing[1]	700	240	34.29
East-Facing[2]	360	0	0
South-Facing[3]	700	160	22.86
West-Facing[4]	360	0	0
Total	**2120**	**400**	**18.87**
Roof	2520	38.4	1.52

Notes

[1] North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),

[2] East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),

[3] South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),

[4] West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW),

---

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	Air Barrier
Ground Floor	Air barrier - not verified

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
Surface Name	Construction Type	Area (ft^2)	Framing Type	Cavity R-Value	Continuous R-Value		Units	Value	Description of Assembly Layers	Status[1]
					Interior	Exterior				
Ext Roof	Roof	2,520	Metal	19	N/A	5	U-factor	0.0528	Metal Standing Seam - 1/16 in. Compliance Insulation R5.00 Plywood - 1/2 in. Roof Structure Air - Roof - 3 1/2 in. Acoustic Tile - 3/8 in.	N
Ext Wall	Exterior Wall	2,120	Metal	13	N/A	5	U-factor	0.0978	Wood siding - 1/2 in. Vapor permeable felt - 1/8 in. Compliance Insulation R5.00 R-13 in Metal Studs Gypsum Board - 1/2 in.	N
Floor over Crawlspace	Exterior Floor	2,520	N/A	0	N/A	N/A	U-factor	0.104	Vented Crawl Space Concrete - 140 lb/ft3 - 2 in. Carpet - 3/4 in.	N
Int Wall	Interior Wall	360	Metal	0	N/A	N/A	U-factor	0.3445	Gypsum Board - 1/2 in. Metal Stud Wall - No Insulation Gypsum Board - 1/2 in.	N

[1] Status: N - New, A - Altered, E - Existing

G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)

01	02	03	04
Assembly Name	Area (ft^2)	Overall U-factor	Status[1]
Door	63	0.7	N

[1] Status: N - New, A - Altered, E - Existing

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method[1]	Assembly Method	Area (ft^2)	Overall U-factor	Overall SHGC	Overall VT	Status[2]
Windows	Vertical fenestration Fixed window N/A	NFRC	Manufactured	400	0.42	0.25	0.44	N
TubularSkylight	Skylight Fixed window N/A	NFRC	Manufactured	38.4	0.51	0.22	0.8	N

[1] Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.

[2] Status: N - New, A - Altered, E - Existing

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating				Cooling			Economizer Type (if present)	Status[1]
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency		
FC-1	Package SZ VAV Heat Pump Air System	1	44.8	3.41	COP HSPF	3.55 8	47.5	EER SEER	11 14	No Economizer	N
FC-2	Package SZ VAV Heat Pump Air System	1	56.2	3.41	COP HSPF	3.4 8	57.1	EER SEER	11 14	No Economizer	N

[1] Status: N - New, A - Altered, E - Existing

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan					Status[1]
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	
FC-1	1	383.04	1,600	0.7	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
FC-2	1	574.56	1,800	1.09	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N

[1] Status: N - New, A - Altered, E - Existing

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n)[1]	Other Special Features and Controls
FC-1	Package SZ VAV Heat Pump Air System	No	Zone(s) With CO2 Sensor Vent. Control
FC-2	Package SZ VAV Heat Pump Air System	No	Zone(s) With CO2 Sensor Vent. Control

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

[1] Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
Zn FC-1 L01	Education - Classrooms (ages 9-18)	25.2	383.04	0	1008	DCV
Zn FC-2 L01	Education - Classrooms (ages 9-18)	37.8	574.56	0	1512	DCV

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	MIn.	Min. Ratio	Power	Power Units	Cycles	
FC-1_TRM	Variable Air Volume No Reheat Box	1	N/A	N/A	1,600	650	0.41	N/A	N/A	N/A	☐
FC-2_TRM	Variable Air Volume No Reheat Box	1	N/A	N/A	1,800	725	0.4	N/A	N/A	N/A	☐

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

01	02	03	04	05	06
Occupancy Type[1]	Conditioned Floor Area[2] (ft^2)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Classroom, Lecture, or Training Vocational	2520	900	0	0	0
Building Totals:	**2520**	**900**	**0**	**0**	**0**

[1] See Table 140.6-C

[2] See NRCC-LTI--E for unconditioned spaces

[3] Lighting information for existing spaces modeled is not included in this table

K2. INDOOR CONDITIONED LIGHTING SCHEDULE

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft^2 in offices)

01	02	03	04	05	06
Name or Item Tag	Complete Luminaire Description (i.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Installed Watts (Conditioned)			
		Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts
2x4 LED	2x4 - LED	45	According to 130.0(c)	20	900

[1] If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per 140.6(a)2 and Table 140.6-A)

01	02	03	04	05	06	07	08	09
Area Description	Primary Function Area (must meet requirements of Table 140.6-A and 170.2-L)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Item Tag	Watts per Luminaire	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
L01 ClassRm 101	Classroom, Lecture, or Training Vocational	N/A	N/A	2x4 LED	45	8	360	0
L01 ClassRm 102	Classroom, Lecture, or Training Vocational	N/A	N/A	2x4 LED	45	12	540	0
Lighting Control Credits (Conditioned) Total (Watts)								**0**

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL

Building Level Controls

01	02
Mandatory Demand Response 110.12(c)	Shut-Off Controls 130.1(c) & 160.5(b)4C
NA	Required

Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per 130.1)

03	04	05	06	07	08	09
Area Description	Area Category Primary Function Area	Area Controls 130.1(a) & 160.5(b)4A	Multi-Level Controls 130.1(b) & 160.5(b)4B	Shut-Off Controls 130.1(c) & 160.5(b)4C	Primary Daylighting 130.1(d) & 160.5(b)4D	Secondary Daylighting 140.5(d) & 160.5(b)4D
Classrooms SkyDaylt Zn	Classroom, Lecture, or Training Vocational	Required	Exempt	Required	Required	NA

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)
Indoor Lighting	NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
Mechanical	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.
Mechanical	NRCA-MCH-07-A Supply Fan Variable Flow Controls
Mechanical	NRCA-MCH-19-A Occupancy Sensor Controls

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

There are no Certificates of Verification applicable to this project

---

Documentation Author's Declaration Statement

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Hans Marsman, CEA, LEED AP BD+C	Documentation Author Signature: Digitally signed by Hans Marsman, LEED AP, CEA Date: 2023.10.11 15:07:47-06'00'
Company: Marsman Consulting	Signature Date:
Address: 1150 J Street #409	CEA/HERS Certification Identification (if applicable
City/State/Zip: San Diego, CA 92101	Phone: (619) 573-6374

Responsible Person's Declaration statement

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:	
Company: American Modular Systems | Gen7 Schools		
Address: 787 Spreckels Avenue	Date Signed: 12/08/2023	
City/State/Zip: Manteca, CA 95336	License #: C12631	
Phone: 209.825.1921	Title: Architect	Scope: Envelope
Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:	
Company: American Modular Systems | Gen7 Schools		
Address: 787 Spreckels Avenue	Date Signed: 12/08/2023	
City/State/Zip: Manteca, CA 95336	License #: C12631	
Phone: 209.825.1921	Title: Architect	Scope: Mechanical

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☒ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
70x36 - BUILDING - GROUP C

SHEET NUMBER:
EN.32

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	**NRCC-PRF-E**
Nonresidential Performance Compliance Method	**(Page 19 of 19)**

Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:	Randall Cavannagh
Company: American Modular Systems | Gen7 Schools		
Address: 787 Spreckels Avenue	Date Signed:	12/08/2023
City/State/Zip: Manteca, CA 95336	License #: C12631	
Phone: 209.825.1921	Title: Architect	Scope: Envelope

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000
Schema Version: rev 20220601

Report Generated: 2023-10-10 18:54:35

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1	
2	
3	
4	

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS
70x36 - BUILDING - GROUP C

SHEET NUMBER:

EN.33

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 1 of 19)**

Project Name: **PC 84x36** **Date Prepared:** **2023-10-10**

A. General Information

1	Project Name	PC 84x36			
2	Run Title	Title 24 Analysis			
3	Project Location				
4	City	Palm Spring-Intl	**5**	Standards Version	Compliance 2022
6	Zip code	92240	**7**	Compliance Software (version)	CBECC 2022.3.0 (1302)
8	Climate Zone	15	**9**	Building Orientation (deg)	165
10	Building Type(s)	• Nonresidential	**11**	Weather File	PALM-SPRINGS_STYP20.epw
12	Project Scope	• New complete scope	**13**	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft^2)	3024	**15**	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft^2)	0	**17**	Fuel Type	None
18	Nonresidential Conditioned Floor Area	3024	**19**	Total # of Stories (Habitable Above Grade)	1
20	Residential Conditioned Floor Area	0			

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 2 of 19)**

B. PROJECT SUMMARY

Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.

Building Components Complying via Performance						**Building Components Complying Prescriptively**	
Envelope (See Table G)	Nonres	Performance	Solar Thermal Water Heating (See Table I3)	☐	Performance	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	MultiFam	Not Included		☒	Not Included		
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see Table J)	☐	Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
	MultiFam	Not Included		☒	Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
Domestic Hot Water (See Table I)	Nonres	Not Included	Covered Process: Laboratory Exhaust (see Table J)	☐	Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
	MultiFam	Not Included		☒	Not Included	**Building Components Complying with Mandatory Measures**	
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)	☒	Performance	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	MultiFam	Not Included		☐	Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battery (see Table F)	☐	Performance	Commissioning 120.8	NRCC-CXR-E is required
				☒	Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

---

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 3 of 19)**

C1. COMPLIANCE SUMMARY

COMPLIES[3]			
	Time Dependent Valuaton (TDV)		**Source Energy Use**
	Efficiency[1] (kBtu/ft^2 - yr)	**Total[2] (kBtu/ft^2 - yr)**	**Total[2] (kBtu/ft^2 - yr)**
Standard Design	295.82	208.06	17.54
Proposed Design	243.65	203.54	13.67
Compliance Margins	**52.17**	**4.52**	**3.87**
	Pass	**Pass**	**Pass**

[1] *Efficiency measures include improvements like a better building envelope and more efficient equipment*

[2] *Compliance Totals include efficiency, photovoltaics and batteries*

[3] *New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded*
Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded

---

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 4 of 19)**

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft^2 - yr)

COMPLIES[2]

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	5.19	15.53	-10.34
Space Cooling	143.24	185.71	-42.47
Indoor Fans	133.6	34.4	99.2
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	0	0	0
Indoor Lighting	13.79	8.01	5.78
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**295.82**	**243.65**	**52.17 (17.6%)**
Photovoltaics	-87.76	-40.11	-47.65
Batteries	---	---	---
TOTAL COMPLIANCE	**208.06**	**203.54**	**4.52 (2.2%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 5 of 19)**

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Receptacle	66.69	66.69	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**274.75**	**270.23**	**4.52 (1.6%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 6 of 19)**

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft^2 /yr)

COMPLIES[2]

Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Space Heating	0.71	2.2	-1.49
Space Cooling	6.86	8.75	-1.89
Indoor Fans	11.77	3.21	8.56
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	0	0	0
Indoor Lighting	1.68	0.99	0.69
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**21.02**	**15.15**	**5.87 (27.9%)**
Photovoltaics	-3.48	-1.48	-2
Batteries	---	---	---
TOTAL COMPLIANCE	**17.54**	**13.67**	**3.87 (22.1%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 7 of 19)**

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Receptacle	4.92	4.92	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**22.46**	**18.59**	**3.87 (17.2%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 8 of 19)**

C7. ENERGY 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	0.4	1.4	-1	---	---	---
Space Cooling	13.5	16	-2.5	---	---	---
Indoor Fans	14.3	3.7	10.6	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	---	---	---	---	---	---
Indoor Lighting	1.3	0.8	0.5	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	**29.5**	**21.9**	**7.6**	**0**	**0**	**0**
Photovoltaics	-12.7	-5.7	-7	---	---	---
Batteries	---	---	---	---	---	---
ENERGY USE SUBTOTAL	**16.8**	**16.2**	**0.6**	**0**	**0**	**0**
Receptacle	8	8	0	---	---	---
Process	---	---	---	---	---	---
Other Ltg	---	---	---	---	---	---
Process Motors	---	---	---	---	---	---
ENERGY USE TOTAL	**24.8**	**24.2**	**0.6**	**0**	**0**	**0**

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 9 of 19)**

C8. ENERGY USE INTENSITY (EUI)

	Standard Design (kBtu/ft^2 / yr)	Proposed Design (kBtu/ft^2 / yr)	Margin (kBtu/ft^2 / yr)	Margin Percentage
GROSS EUI[1]	42.31	33.74	8.57	20.26
NET EUI[1]	27.98	27.31	0.67	2.39

[1] *Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.*

D1. 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.
- Project is claiming Exception 3 to Section 140.10(b): No battery storage system required for tenant spaces less than or equal to 5,000 ft2.

F1. REQUIRED PV SYSTEMS

01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	**Exception[1]**	**Module Type**	**Array Type**	**Power Electronics**	**CFI**	**Azimuth (deg)**	**Tilt Input**	**Array Angle (deg)**	**Tilt: (x in 12)**	**Inverter Eff. (%)**	**Annual Solar Access (%)**
3.6	n/a	Standard (14-17%)	Fixed	Microinverters	false	165	Degrees	5	1.05	96	98

[1] *See Table D1 for any PV exceptions used.*

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT

COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
84x36 - BUILDING - GROUP C

SHEET NUMBER:
EN.40

F1B. PV BATTERY BUILDING TYPE(S)

01	02	03
Building Occupancy Type* (From Table 140.10-A/B and 170.2-U/V)	Conditioned Floor Area (ft^2)	Unconditioned Floor Area (ft^2)
Grocery	0	0
High-Rise Multifamily	0	0
Office, Financial Institutions, Unleased Tenant Space	0	0
Retail	0	0
School	3024	0
Warehouse	0	0
Auditorium, Convention Center, Hotel/Motel, Library, Medical Office Building/Clinic, Restaurant, Theater	0	0
None	0	0

**Building Occupancy Types are defined in Section 100.1 of the Energy Code*

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft^2)	Total Fenestration Area (ft^2)	Window to Wall Ratio (%)
North-Facing[1]	840	240	28.57
East-Facing[2]	360	0	0
South-Facing[3]	840	240	28.57
West-Facing[4]	360	0	0
Total	**2400**	**480**	**20**
Roof	3024	46.08	1.52

Notes

[1] *North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),*

[2] *East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),*

[3] *South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),*

[4] *West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW),*

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	Air Barrier
Ground Floor	Air barrier - not verified

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
Surface Name	Construction Type	Area (ft^2)	Framing Type	Cavity R-Value	Continuous R-Value		Units	Value	Description of Assembly Layers	Status[1]
					Interior	Exterior				
Ext Roof	Roof	3,024	Metal	19	N/A	5	U-factor	0.0528	Metal Standing Seam - 1/16 in. Compliance Insulation R5.00 Plywood - 1/2 in. Roof Structure Air - Roof - 3 1/2 in. Acoustic Tile - 3/8 in.	N
Ext Wall	Exterior Wall	2,400	Metal	13	N/A	5	U-factor	0.0978	Wood siding - 1/2 in. Vapor permeable felt - 1/8 in. Compliance Insulation R5.00 R-13 in Metal Studs Gypsum Board - 1/2 in.	N
Floor over Crawlspace	Exterior Floor	3,024	N/A	0	N/A	N/A	U-factor	0.104	Vented Crawl Space Concrete - 140 lb/ft3 - 2 in. Carpet - 3/4 in.	N
Int Wall	Interior Wall	360	Metal	0	N/A	N/A	U-factor	0.3445	Gypsum Board - 1/2 in. Metal Stud Wall - No Insulation Gypsum Board - 1/2 in.	N

[1] *Status: N - New, A - Altered, E - Existing*

G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)

01	02	03	04
Assembly Name	Area (ft^2)	Overall U-factor	Status[1]
Door	63	0.7	N

[1] *Status: N - New, A - Altered, E - Existing*

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method[1]	Assembly Method	Area (ft^2)	Overall U-factor	Overall SHGC	Overall VT	Status[2]
Windows	Vertical fenestration Fixed window N/A	NFRC	Manufactured	480	0.42	0.25	0.44	N
TubularSkylight	Skylight Fixed window N/A	NFRC	Manufactured	46.08	0.51	0.22	0.8	N

[1] *Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.*

[2] *Status: N - New, A - Altered, E - Existing*

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating				Cooling			Economizer Type (if present)	Status[1]
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency		
FC-1	Single Package VHP Air System	3	39	3.41	COP	3.3	42	EER	11	No Economizer	N

[1] *Status: N - New, A - Altered, E - Existing*

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan					Status[1]
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	
FC-1	3	383.04	1,350	0.73	InH2O	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

[1] *Status: N - New, A - Altered, E - Existing*

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n)[1]	Other Special Features and Controls
FC-1	Single Package VHP Air System	No	

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

[1] *Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.*

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
Zn FC-1 L01	Education - Classrooms (ages 9-18)	75.6	1149.12	0	3024	N/A

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	MIn.	Min. Ratio	Power	Power Units	Cycles	
FC-1_TRM	Uncontrolled	3	N/A	N/A	1,350	N/A	0	N/A	N/A	N/A	☐

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

01	02	03	04	05	06
Occupancy Type[1]	Conditioned Floor Area[2] (ft^2)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Classroom, Lecture, or Training Vocational	3024	1080	0	0	0
Building Totals:	**3024**	**1080**	**0**	**0**	**0**

[1] *See Table 140.6-C*

[2] *See NRCC-LTI--E for unconditioned spaces*

[3] *Lighting information for existing spaces modeled is not included in this table*

K2. INDOOR CONDITIONED LIGHTING SCHEDULE

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft^2 in offices)

01	02	03	04	05	06
Name or Item Tag	Complete Luminaire Description (i.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Installed Watts (Conditioned)			
		Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts
2x4 LED	2x4 - LED	45	According to 130.0(c)	24	1080

[1] *If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.*

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per 140.6(a)2 and Table 140.6-A)

01	02	03	04	05	06	07	08	09
Area Description	Primary Function Area (must meet requirements of Table 140.6-A and 170.2-L)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Item Tag	Watts per Luminaire	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
L01 ClassRm 101	Classroom, Lecture, or Training Vocational	N/A	N/A	2x4 LED	45	8	360	0
L01 ClassRm 102	Classroom, Lecture, or Training Vocational	N/A	N/A	2x4 LED	45	16	720	0
Lighting Control Credits (Conditioned) Total (Watts)								**0**

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL

Building Level Controls

01	02
Mandatory Demand Response 110.12(c)	**Shut-Off Controls 130.1(c) & 160.5(b)4C**
NA	**Required**

Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per 130.1)

03	04	05	06	07	08	09
Area Description	Area Category Primary Function Area	Area Controls 130.1(a) & 160.5(b)4A	Multi-Level Controls 130.1(b) & 160.5(b)4B	Shut-Off Controls 130.1(c) & 160.5(b)4C	Primary Daylighting 130.1(d) & 160.5(b)4D	Secondary Daylighting 140.5(d) & 160.5(b)4D
Classrooms SkyDaylt Zn	Classroom, Lecture, or Training Vocational	Required	Exempt	Required	Required	NA

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)
Indoor Lighting	NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component	Form/Title
Mechanical	NRCA-MCH-19-A Occupancy Sensor Controls

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

There are no Certificates of Verification applicable to this project

---

Documentation Author's Declaration Statement

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Hans Marsman, CEA, LEED AP BD+C	Documentation Author Signature: Digitally signed by Hans Marsman, LEED AP, CEA Date: 2023.10.11 15:07:47-06'00'
Company: Marsman Consulting	Signature Date:
Address: 1150 J Street #409	CEA/HERS Certification Identification (if applicable
City/State/Zip: San Diego, CA 92101	Phone: (619) 573-6374

Responsible Person's Declaration statement

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:	
Company: American Modular Systems | Gen7 Schools		
Address: 787 Spreckels Avenue	Date Signed: 12/08/2023	
City/State/Zip: Manteca, CA 95336	License #: C12631	
Phone: 209.825.1921	Title: Architect	Scope: Envelope
Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:	
Company: American Modular Systems | Gen7 Schools		
Address: 787 Spreckels Avenue	Date Signed: 12/08/2023	
City/State/Zip: Manteca, CA 95336	License #: C12631	
Phone: 209.825.1921	Title: Architect	Scope: Mechanical

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
84x36 - BUILDING - GROUP C

SHEET NUMBER:
EN.41

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	**(Page 19 of 19)**

Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:	
Company: American Modular Systems | Gen7 Schools		
Address: 787 Spreckels Avenue	Date Signed: 12/08/2023	
City/State/Zip: Manteca, CA 95336	License #: C12631	
Phone: 209.825.1921	Title: Architect	Scope: Envelope

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000
Schema Version: rev 20220601

Report Generated: 2023-10-10 18:50:46

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems

787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

△1	
△2	
△3	
△4	

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS
84x36 - BUILDING - GROUP C

SHEET NUMBER:

EN.42

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD **NRCC-PRF-E**

Nonresidential Performance Compliance Method **(Page 1 of 19)**

Project Name: **PC 98x36** **Date Prepared:** **2023-10-10**

A. General Information

1	Project Name	PC 98x36			
2	Run Title	Title 24 Analysis			
3	Project Location				
4	City	Palm Spring-Intl	**5**	Standards Version	Compliance 2022
6	Zip code	92240	**7**	Compliance Software (version)	CBECC 2022.3.0 (1302)
8	Climate Zone	15	**9**	Building Orientation (deg)	165
10	Building Type(s)	• Nonresidential	**11**	Weather File	PALM-SPRINGS_STYP20.epw
12	Project Scope	• New complete scope	**13**	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft^2)	3528	**15**	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft^2)	0	**17**	Fuel Type	None
18	Nonresidential Conditioned Floor Area	3528	**19**	Total # of Stories (Habitable Above Grade)	1
20	Residential Conditioned Floor Area	0			

B. PROJECT SUMMARY

Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.

Building Components Complying via Performance						**Building Components Complying Prescriptively**	
Envelope (See Table G)	Nonres	Performance	Solar Thermal Water Heating (See Table I3)	☐	Performance	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	MultiFam	Not Included		☒	Not Included		
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see Table J)	☐	Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
	MultiFam	Not Included		☒	Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
Domestic Hot Water (See Table I)	Nonres	Not Included	Covered Process: Laboratory Exhaust (see Table J)	☐	Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
	MultiFam	Not Included		☒	Not Included	**Building Components Complying with Mandatory Measures**	
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)	☒	Performance	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	MultiFam	Not Included		☐	Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battery (see Table F)	☐	Performance	Commissioning 120.8	NRCC-CXR-E is required
				☒	Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

---

C1. COMPLIANCE SUMMARY

COMPLIES[3]

	Time Dependent Valuaton (TDV)		Source Energy Use
	Efficiency[1] (kBtu/ft^2 - yr)	Total[2] (kBtu/ft^2 - yr)	Total[2] (kBtu/ft^2 - yr)
Standard Design	262.99	175.23	14.24
Proposed Design	245.82	169.41	12.72
Compliance Margins	**17.17**	**5.82**	**1.52**
	Pass	**Pass**	**Pass**

[1] *Efficiency measures include improvements like a better building envelope and more efficient equipment*

[2] *Compliance Totals include efficiency, photovoltaics and batteries*

[3] *New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded*
Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded

---

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft^2 - yr)

COMPLIES[2]

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	7.15	14.91	-7.76
Space Cooling	138.83	183.74	-44.91
Indoor Fans	102.85	39.19	63.66
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	0	0	0
Indoor Lighting	14.16	7.98	6.18
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**262.99**	**245.82**	**17.17 (6.5%)**
Photovoltaics	-87.76	-76.41	-11.35
Batteries	---	---	---
TOTAL COMPLIANCE	**175.23**	**169.41**	**5.82 (3.3%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Receptacle	66.69	66.69	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**241.92**	**236.1**	**5.82 (2.4%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft^2 /yr)

COMPLIES[2]

Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Space Heating	0.99	2.11	-1.12
Space Cooling	6.52	8.78	-2.26
Indoor Fans	8.51	3.65	4.86
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	0	0	0
Indoor Lighting	1.7	0.99	0.71
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	**17.72**	**15.53**	**2.19 (12.4%)**
Photovoltaics	-3.48	-2.81	-0.67
Batteries	---	---	---
TOTAL COMPLIANCE	**14.24**	**12.72**	**1.52 (10.7%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Receptacle	4.92	4.92	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**19.16**	**17.64**	**1.52 (7.9%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

C7. ENERGY 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	0.7	1.6	-0.9	---	---	---
Space Cooling	15.1	18.8	-3.7	---	---	---
Indoor Fans	12.4	4.9	7.5	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	---	---	---	---	---	---
Indoor Lighting	1.6	0.9	0.7	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	**29.8**	**26.2**	**3.6**	**0**	**0**	**0**
Photovoltaics	-14.8	-12.6	-2.2	---	---	---
Batteries	---	---	---	---	---	---
ENERGY USE SUBTOTAL	**15**	**13.6**	**1.4**	**0**	**0**	**0**
Receptacle	9.3	9.3	0	---	---	---
Process	---	---	---	---	---	---
Other Ltg	---	---	---	---	---	---
Process Motors	---	---	---	---	---	---
ENERGY USE TOTAL	**24.3**	**22.9**	**1.4**	**0**	**0**	**0**

C8. ENERGY USE INTENSITY (EUI)

	Standard Design (kBtu/ft^2 / yr)	Proposed Design (kBtu/ft^2 / yr)	Margin (kBtu/ft^2 / yr)	Margin Percentage
GROSS EUI[1]	37.81	34.33	3.48	9.2
NET EUI[1]	23.5	22.15	1.35	5.74

[1] *Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.*

D1. 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.
- Project is claiming Exception 3 to Section 140.10(b): No battery storage system required for tenant spaces less than or equal to 5,000 ft2.

F1. REQUIRED PV SYSTEMS

01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	**Exception[1]**	**Module Type**	**Array Type**	**Power Electronics**	**CFI**	**Azimuth (deg)**	**Tilt Input**	**Array Angle (deg)**	**Tilt: (x in 12)**	**Inverter Eff. (%)**	**Annual Solar Access (%)**
8	n/a	Standard (14-17%)	Fixed	Microinverters	false	165	Degrees	5	1.05	96	98

[1] *See Table D1 for any PV exceptions used.*

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDAL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1	
2	
3	
4	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
98x36 - BUILDING - GROUP C

SHEET NUMBER:
EN.50

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

F1B. PV BATTERY BUILDING TYPE(S)

01	02	03
Building Occupancy Type* (From Table 140.10-A/B and 170.2-U/V)	Conditioned Floor Area (ft²)	Unconditioned Floor Area (ft²)
Grocery	0	0
High-Rise Multifamily	0	0
Office, Financial Institutions, Unleased Tenant Space	0	0
Retail	0	0
School	3528	0
Warehouse	0	0
Auditorium, Convention Center, Hotel/Motel, Library, Medical Office Building/Clinic, Restaurant, Theater	0	0
None	0	0

Building Occupancy Types are defined in Section 100.1 of the Energy Code

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft²)	Total Fenestration Area (ft²)	Window to Wall Ratio (%)
North-Facing[1]	980	240	24.49
East-Facing[2]	360	0	0
South-Facing[3]	980	320	32.65
West-Facing[4]	360	0	0
Total	**2680**	**560**	**20.9**
Roof	3528	53.82	1.53

Notes

[1] *North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),*

[2] *East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),*

[3] *South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),*

[4] *West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW),*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	Air Barrier
Ground Floor	Air barrier - not verified

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
Surface Name	Construction Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value		Units	Value	Description of Assembly Layers	Status[1]
					Interior	Exterior				
Ext Roof	Roof	3,528	Metal	19	N/A	5	U-factor	0.0528	Metal Standing Seam - 1/16 in. Compliance Insulation R5.00 Plywood - 1/2 in. Roof Structure Air - Roof - 3 1/2 in. Acoustic Tile - 3/8 in.	N
Ext Wall	Exterior Wall	2,680	Metal	13	N/A	5	U-factor	0.0978	Wood siding - 1/2 in. Vapor permeable felt - 1/8 in. Compliance Insulation R5.00 R-13 in Metal Studs Gypsum Board - 1/2 in.	N
Floor over Crawlspace	Exterior Floor	3,528	N/A	0	N/A	N/A	U-factor	0.104	Vented Crawl Space Concrete - 140 lb/ft3 - 2 in. Carpet - 3/4 in.	N
Int Wall	Interior Wall	360	Metal	0	N/A	N/A	U-factor	0.3445	Gypsum Board - 1/2 in. Metal Stud Wall - No Insulation Gypsum Board - 1/2 in.	N

[1] *Status: N - New, A - Altered, E - Existing*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)

01	02	03	04
Assembly Name	Area (ft²)	Overall U-factor	Status[1]
Door	84	0.7	N

[1] *Status: N - New, A - Altered, E - Existing*

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method[1]	Assembly Method	Area (ft²)	Overall U-factor	Overall SHGC	Overall VT	Status[2]
Windows	Vertical fenestration Fixed window N/A	NFRC	Manufactured	560	0.42	0.25	0.44	N
TubularSkylight	Skylight Fixed window N/A	NFRC	Manufactured	53.82	0.51	0.22	0.8	N

[1] *Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.*

[2] *Status: N - New, A - Altered, E - Existing*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating				Cooling			Economizer Type (if present)	Status[1]
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency		
FC-1	Single Package VHP Air System	2	39	3.41	COP	3.3	42	EER	11	No Economizer	N
FC-2	Single Package VHP Air System	1	52.5	3.41	COP	3.3	54.5	EER	11	No Economizer	N

[1] *Status: N - New, A - Altered, E - Existing*

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan					Status[1]
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	
FC-1	2	383.04	1,350	0.73	InH2O	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
FC-2	1	574.56	1,750	1.12	InH2O	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

[1] *Status: N - New, A - Altered, E - Existing*

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n)[1]	Other Special Features and Controls
FC-1	Single Package VHP Air System	No	

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

[1] *Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n)[1]	Other Special Features and Controls
FC-2	Single Package VHP Air System	No	

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

[1] *Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.*

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
Zn FC-1 L01	Education - Classrooms (ages 9-18)	50.4	766.08	0	2016	N/A
Zn FC-2 L01	Education - Classrooms (ages 9-18)	37.8	574.56	0	1512	N/A

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	MIn.	Min. Ratio	Power	Power Units	Cycles	
FC-1_TRM	Uncontrolled	2	N/A	N/A	1,350	N/A	0	N/A	N/A	N/A	☐
FC-2_TRM	Uncontrolled	1	N/A	N/A	1,750	N/A	0	N/A	N/A	N/A	☐

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

01	02	03	04	05	06
Occupancy Type[1]	Conditioned Floor Area[2] (ft²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Classroom, Lecture, or Training Vocational	3528	1260	0	0	0
Building Totals:	**3528**	**1260**	**0**	**0**	**0**

[1] *See Table 140.6-C*

[2] *See NRCC-LTI--E for unconditioned spaces*

[3] *Lighting information for existing spaces modeled is not included in this table*

K2. INDOOR CONDITIONED LIGHTING SCHEDULE

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in offices)

01	02	03	04	05	06
Name or Item Tag	Complete Luminaire Description (i.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Installed Watts (Conditioned)			
		Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts
2x4 LED	2x4 - LED	45	According to 130.0(c)	28	1260

[1] *If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per 140.6(a)2 and Table 140.6-A)

01	02	03	04	05	06	07	08	09
Area Description	Primary Function Area (must meet requirements of Table 140.6-A and 170.2-L)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Item Tag	Watts per Luminaire	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
L01 ClassRm 101	Classroom, Lecture, or Training Vocational	N/A	N/A	2x4 LED	45	12	540	0
L01 ClassRm 102	Classroom, Lecture, or Training Vocational	N/A	N/A	2x4 LED	45	16	720	0
Lighting Control Credits (Conditioned) Total (Watts)								0

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL

Building Level Controls

01	02
Mandatory Demand Response 110.12(c)	Shut-Off Controls 130.1(c) & 160.5(b)4C
NA	Required

Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per 130.1)

03	04	05	06	07	08	09
Area Description	Area Category Primary Function Area	Area Controls 130.1(a) & 160.5(b)4A	Multi-Level Controls 130.1(b) & 160.5(b)4B	Shut-Off Controls 130.1(c) & 160.5(b)4C	Primary Daylighting 130.1(d) & 160.5(b)4D	Secondary Daylighting 140.5(d) & 160.5(b)4D
Classrooms SkyDaylt Zn	Classroom, Lecture, or Training Vocational	Required	Exempt	Required	Required	NA

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)
Indoor Lighting	NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC
Mechanical	NRCA-MCH-19-A Occupancy Sensor Controls

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

There are no Certificates of Verification applicable to this project

---

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

Documentation Author's Declaration Statement

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Hans Marsman, CEA, LEED AP BD+C	Documentation Author Signature:
Company: Marsman Consulting	Signature Date:
Address: 1150 J Street #409	CEA/HERS Certification Identification (if applicable
City/State/Zip: San Diego, CA 92101	Phone: (619) 573-6374

Digitally signed by Hans Marsman, LEED AP, CEA Date: 2023.10.11 15:07:47-06'00'

Responsible Person's Declaration statement

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:	
Company: American Modular Systems | Gen7 Schools		
Address: 787 Spreckels Avenue	Date Signed: 12/08/2023	
City/State/Zip: Manteca, CA 95336	License #: C12631	
Phone: 209.825.1921	Title: Architect	Scope: Envelope
Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:	
Company: American Modular Systems | Gen7 Schools		
Address: 787 Spreckels Avenue	Date Signed: 12/08/2023	
City/State/Zip: Manteca, CA 95336	License #: C12631	
Phone: 209.825.1921	Title: Architect	Scope: Mechanical

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems

787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT

COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)

AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)

GEN7 by AMS

SITE SPECIFIC PROJECT NAME

.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

△1	
△2	
△3	
△4	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS
98x36 - BUILDING - GROUP C

SHEET NUMBER:

EN.51

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	**NRCC-PRF-E**
Nonresidential Performance Compliance Method	**(Page 19 of 19)**

Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:	
Company: American Modular Systems | Gen7 Schools		
Address: 787 Spreckels Avenue	Date Signed: 12/08/2023	
City/State/Zip: Manteca, CA 95336	License #: C12631	
Phone: 209.825.1921	Title: Architect	Scope: Envelope

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000
Schema Version: rev 20220601

Report Generated: 2023-10-10 18:51:23

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
△1
△2
△3
△4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS
98x36 - BUILDING - GROUP C

SHEET NUMBER:

EN.52

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name:	AMS 28-140x36 Ltg - T24-22	**Report Page:**	**(Page 1 of 7)**
Project Address:		**Date Prepared:**	2023-03-21T12:39:09-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Palmdale	04	Total Conditioned Floor Area (ft²)	0
02	Climate Zone	14	05	Total Unconditioned Floor Area (ft²)	490
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

- Classroom

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	N/A	0	Area Category Method	490
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)			490	

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	AMS 28-140x36 Ltg - T24-22	**Report Page:**	**(Page 2 of 7)**
		Date Prepared:	2023-03-21T12:39:09-04:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						≥	Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)					Compliance Results
	01	02	03	04		05		06	07		08		09
	Complete Building 140.6(c)1 (See Table I)	Area Category 140.6(c)2 / 170.2(e)4 (See Table I)	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+) (See Table J)	Tailored 140.6(c)3 / 170.2(e)4B (+) (See Table K)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts) (See Table F)	Adjustments: PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-) (See Table P)	=	**Total Adjusted** (Watts) *Includes Adjustments		**05 must be >= 08 140.6 / 170.2(e)**
Conditioned					=		≥			=			
Unconditioned		296			=	296	≥	280		=	280		COMPLIES
Controls Compliance (See Table H for Details)													COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)													

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	AMS 28-140x36 Ltg - T24-22	**Report Page:**	**(Page 3 of 7)**
		Date Prepared:	2023-03-21T12:39:09-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector Pass	Field Inspector Fail
2x4 LED	2x4 LED	No	NA	50	Mfr. Spec	4	No	200	☐	☐
40 Watt Incandescent	40 Watt Incandescent	No	NA	40	Mfr. Spec	2	No	80	☐	☐
							Total Designed Watts: UNCONDITIONED SPACES	280		

[1] FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

[2] Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector Pass	Field Inspector Fail
NA < 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	AMS 28-140x36 Ltg - T24-22	**Report Page:**	**(Page 4 of 7)**
		Date Prepared:	2023-03-21T12:39:09-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Skylit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector Pass	Field Inspector Fail
Restrooms	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
Plumb Chase	Electrical Mechancial Telephone Room	Readily Accessible	NA: Enclosed area <100SF	NA: Elec. equip. rm	NA: Not daylit zone	NA: Not daylit zone	No	☐	☐
					13				
					Plan Sheet Showing Daylit Zones:				

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Unconditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment: Area Category	Additional Allowance / Adjustment: PAF
Restrooms	Restroom	0.65	400	260	No	No
Plumb Chase	Electrical Mechancial Telephone Room	0.4	90	36	No	No
		TOTALS:	490	296	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	AMS 28-140x36 Ltg - T24-22	**Report Page:**	**(Page 5 of 7)**
		Date Prepared:	2023-03-21T12:39:09-04:00

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	AMS 28-140x36 Ltg - T24-22	**Report Page:**	**(Page 6 of 7)**
		Date Prepared:	2023-03-21T12:39:09-04:00

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Restrooms

---

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	AMS 28-140x36 Ltg - T24-22	**Report Page:**	**(Page 7 of 7)**
Project Address:		**Date Prepared:**	2023-03-21T12:39:09-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Hans Marsman	Documentation Author Signature: Digitally signed by Hans Marsman, LEED AP, CEA Date: 2023.03.21 15:07:47-06'00'
Company: Marsman Consulting	Signature Date:
Address: 1150 J Street #409	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: San Diego, CA 92101	Phone: (619) 573-6374

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed 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 enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature:
Company: American Modular Systems | Gen7 Schools	Date Signed:
Address: 787 Spreckels Avenue	License:
City/State/Zip: Manteca, CA 95336	Phone:

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTO-E**

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

Project Name:	AMS PCs Ext Ltg - T24-22	**Report Page:**	**(Page 1 of 7)**
Project Address:		**Date Prepared:**	2023-03-06T10:40:21-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Palmdale	04	Total Illuminated Hardscape Area (ft²)	0
02	Climate Zone	14			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☐	LZ-2: Moderate - Urban Clusters	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐	LZ-1: Low - Rural Areas	☒	LZ-3: Moderately High - Urban Areas		
05	Occupancy Types within Project				

- Classroom

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No	
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	AMS PCs Ext Ltg - T24-22	**Report Page:**	**(Page 2 of 7)**
		Date Prepared:	2023-03-06T10:40:21-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv												Compliance Results		
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
0	+	17	+	---	+	---	+	---	OR	---	=	17	≥	17	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT

COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)

AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME

28' x 36' THRU 140' x 36'
(HIGH SEISMIC)

GEN7® by AMS

SITE SPECIFIC PROJECT NAME

.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

ROBERT J GOMES
No. 5322
STRUCTURAL

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1	
2	
3	
4	

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS SUPPLEMENTAL SHEETS

SHEET NUMBER:

EN.84

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	AMS PCs Ext Ltg - T24-22	**Report Page:**	**(Page 3 of 7)**
		Date Prepared:	2023-03-06T10:40:21-05:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
Ext Ltg Fixture @ Door	Lihtonia ARC LED	☐ Linear	17	Mfr. Spec	1	New	☐	17	NA: < 6200 lumens	☐	☐
							Total Design Watts:	17			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*

[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*

[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*

[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	AMS PCs Ext Ltg - T24-22	**Report Page:**	**(Page 4 of 7)**
		Date Prepared:	2023-03-06T10:40:21-05:00

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Entry Door(s): "Ext Ltg Fixture @ Door"	Astronomical Timer	Provided	Provided	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*

[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*

[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

	01				
This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. *Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.*	☐ General Hardscape Allowance Table I (below)	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
		☒ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	AMS PCs Ext Ltg - T24-22	**Report Page:**	**(Page 5 of 7)**
		Date Prepared:	2023-03-06T10:40:21-05:00

J. LIGHTING ALLOWANCE: PER APPLICATION

This table includes areas using the wattage allowance per application from Table 140.7-B / Table 170.2-S.

01	02	03	04	05	06	07	08	09	10
Area Description	Application per Table 140.7-B[1]	CALCULATED ALLOWANCE (Watts)			DESIGN WATTS				Additional Allowance (Watts)
		# of Locations	Allowance per Location[2]	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	
Entry Door(s)	Building Entrance/Exit	1	19	19	Ext Ltg Fixture @ Door	17	1	17	17
							Total Design Watts for this Area:	17	
								Total Allowance (Watts) All Areas:	17

[1] *FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.*

[2] *The Allowance per Location for ATMs is 100W for the first ATM and 35W for each additional per Table 140.7-B /Table 170.2-S.*

[3] *For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.*

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	AMS PCs Ext Ltg - T24-22	**Report Page:**	**(Page 6 of 7)**
		Date Prepared:	2023-03-06T10:40:21-05:00

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Entry Door(s): "Ext Ltg Fixture @ Door"

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	AMS PCs Ext Ltg - T24-22	**Report Page:**	**(Page 7 of 7)**
Project Address:		**Date Prepared:**	2023-03-06T10:40:21-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Hans Marsman	Documentation Author Signature: Digitally signed by Hans Marsman, LEED AP, CEA Date: 2023.03.06 09:51:37 -06'00'
Company: Marsman Consulting	Signature Date:
Address: 1150 J Street #409	CEA/ HERS Certification Identification (if applicable): Hans Marsman R19-20-30039 NR19-09-30012
City/State/Zip: San Diego, CA 92101	Phone: (619) 573-6374

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed 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 enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Randall P Cavannagh	Responsible Designer Signature: Randall Cavannagh
Company: American Modular Systems | Gen7 Schools	Date Signed: 03/04/2023
Address: 787 Spreckels Avenue	License: C12631
City/State/Zip: Manteca, CA 95336	Phone: 209.825.1921

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-PLB-E**
This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.			
Project Name:	AMS PCs Water Heating - T24-22	**Report Page:**	**(Page 1 of 6)**
Project Address:		**Date Prepared:**	2023-03-06T10:41:54-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Palmdale	02	Climate Zone	14
03	Occupancy Types Within Project (select all that apply):				

- Classroom

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140./ 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N / 180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03		
My project consists of (check all that apply):	System Type[1,2]	System Components		
☒ New system (DHW system being installed for the first time in newly constructed building)	Individual System (serving nonresidential spaces)	☒ Equipment	☒ Distribution	☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution	☐ Controls

[1] *FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.*

[2] *Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.*

[3] *DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies*

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-PLB-E**
Project Name:	AMS PCs Water Heating - T24-22	**Report Page:**	**(Page 2 of 6)**
		Date Prepared:	2023-03-06T10:41:54-05:00

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1/ 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03		04			05		06		
System Name	EWH-1	Exception to 140.5(c)/ 170.2(d)3		Exceptions Do Not Apply	☐	Gas Service Water Heating System >= 1MMBtu/h[1]	Capacity-weighted Average Efficiency %		
07	08	09	10		11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
EWH-1	Commercial Electric Storage Water Heater	20	6,824					1.25	1.65

[1] *FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.*

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	☒	☐	☐	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
19	☐	☐	☒	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5
20	☐	☐	☒	Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6
21	☐	☐	☒	School buildings < 25,000 ft² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-PLB-E**
Project Name:	AMS PCs Water Heating - T24-22	**Report Page:**	**(Page 3 of 6)**
		Date Prepared:	2023-03-06T10:41:54-05:00

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d).

Mandatory Pipe Insulation All Occupancies

13	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
14	☐	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
15	☒	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
			Minimum Insulation Required			
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-PLB-E**
Project Name:	AMS PCs Water Heating - T24-22	**Report Page:**	**(Page 4 of 6)**
		Date Prepared:	2023-03-06T10:41:54-05:00

H. DOMESTIC HOT WATER CONTROLS

This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(d).

	Yes	No	Not Applicable	Requirement
01	☒	☐	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02	☐	☐	☒	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California Plumbing Code 613.0.
03	☐	☐	☒	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)2 unless systems serves healthcare facility.
04	☐	☐	☒	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.
05	☐	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06	☐	☐	☒	Combustion air positive shut-off shall be provided per 160.4(3).on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07	☐	☐	☒	Boiler combustion air fans with motor >= 10 hp shall meet one of the following • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08	☐	☐	☒	Newly installed boilers with an input capacity {d:gte/] 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-PLB-E - Must be submitted for all buildings

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems®
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT

COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7® by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

ROBERT J GOMES
No. 5322

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
SUPPLEMENTAL SHEETS

SHEET NUMBER:
EN.85

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-PLB-E
Project Name:	AMS PCs Water Heating - T24-22	**Report Page:**	**(Page 5 of 6)**
		Date Prepared:	2023-03-06T10:41:54-05:00

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-PLB-E
Project Name:	AMS PCs Water Heating - T24-22	**Report Page:**	**(Page 6 of 6)**
Project Address:		**Date Prepared:**	2023-03-06T10:41:54-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Hans Marsman
Company: Marsman Consulting
Address: 1150 J Street #409
City/State/Zip: San Diego, CA 92101
Documentation Author Signature:
Signature Date:
CEA/ HERS Certification Identification (if applicable):
Phone: (619) 573-6374

CEA
Hans Marsman
R19-20-30039 NR19-09-30012

Digitally signed by Hans Marsman, LEED AP, CEA
Date: 2023.03.06 09:51:00-06'00'

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed 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 enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Randall P Cavannagh
Company: American Modular Systems | Gen7 Schools
Address: 787 Spreckels Avenue
City/State/Zip: Manteca, CA 95336
Responsible Designer Signature:
Date Signed: 03/04/2023
License: C12631
Phone: 209.825.1921

CALIFORNIA ENERGY COMMISSION

ELECTRICAL POWER DISTRIBUTION

CEC-NRCC-ELC-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential and hotel/motel occupancies and §160.6 and §160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential & hotel/motel occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per §180.1(a) or §180.2(b)4Bvii.

Project Name: PC 48'-240'x40'
Dwelling Address: N/A
City and Zip Code: N/A
Enforcement Agency: DSA
Permit Number: N/A
Permit Application Date:

A. GENERAL INFORMATION

01	Project Location (city)							02	Climate Zone		
								03	Occupancy Types Within Project:		
☐	Office	☐	Retail	☐	Warehouse	☐	Hotel/ Motel	☒	School	☐	Support Areas
☐	High-Rise Residential Multifamily/ MF Mixed-use >= 4 stories (new construction)	☐	High-Rise Residential Multifamily/ MF Mixed-use >= 4 stories (Addition or Alteration)	☐	Healthcare Facilities	☐	Parking Garage				
				☐	Relocatable	☐	All Others	☐	Theater	☐	Sports Arena
☐	Auditorium	☐	Commercial/ Industrial	☐	Grocery Store	☐	Religious Facility	☐	Data Center	☐	Convention Center
☐	Classroom	☐	Library	☐	Gymnasium	☐	Restaurant/ Commercial Kitchen	☐	Financial Institution	☐	Medical Clinic

---

CALIFORNIA ENERGY COMMISSION

ELECTRICAL POWER DISTRIBUTION

CEC-NRCC-ELC-E

B. PROJECT SCOPE

This table includes electrical service systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work[1]	Rating[2] (kVA)	Utility Provided Metering System Exception to §130.5(a)/§160.6(a)[3]	System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b)	Demand Response Controls Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standard based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2/§160.3, §130.1/§160.5 and §130.3/§160.5 and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents-will indicate when demand response controls are required.	Provides power to dwelling units/common living areas only in multifamily occupancy
			☐	☐		☐

[1] FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.

[2] If common use areas in a multifamily occupancy are submetered, rating is for submeter size serving common use areas.

[3] Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

CALIFORNIA ENERGY COMMISSION

ELECTRICAL POWER DISTRIBUTION

CEC-NRCC-ELC-E

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J.

Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable Table referenced below.

01		02		03		04		05	06
Service Electrical Metering §130.5(a)/ §160.6(a)	AND	Separation for Monitoring §130.5(b)/ §160.6(b)	AND	Voltage Drop §130.5(c)/ §160.6(c)	AND	Controlled Receptacles §130.5(d)/ §160.6(d)	AND	Electric Ready §160.9	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)	
Yes/No	**AND**	Yes/No	**AND**	Yes/No	**AND**	Yes/No	**AND**	Yes/No	**COMPLIES, DOES NOT COMPLY, Or COMPLIES with Exceptional Conditions**

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

CALIFORNIA ENERGY COMMISSION

ELECTRICAL POWER DISTRIBUTION

CEC-NRCC-ELC-E

E. ADDITIONAL REMARKS

This table includes remarks made by the installer to the Authority Having Jurisdiction.

F. SERVICE ELECTRICAL METERING

This table includes new or replacement electrical service systems OR equipment to demonstrate compliance with §130.5(a)/§160.6(a). For multifamily occupancies, submetered systems that provide power to common use areas must meet the following metering requirements. Submetered systems providing power to dwelling units do not.

01	02	**F. SERVICE ELECTRICAL METERING** 03				04	05	
Electrical Service Designation/ Description	Rating[1] (kVA)	Required Metering Capabilities per Table 130.5-A				Location of Requirements in Construction Documents	Field Inspector	
		Instantaneous Demand (kW)	Historical Peak Demand (kW)	Tracking kWh for user-defined period	kWh per rate period		Pass	Fail
		☐	☐	☐	☐		☐	☐
		☐	☐	☐	☐		☐	☐

[1] FOOTNOTES: If common use areas in a multifamily occupancy are submetered, rating is for submeter size serving common use areas.

CALIFORNIA ENERGY COMMISSION

ELECTRICAL POWER DISTRIBUTION

CEC-NRCC-ELC-E

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b)/§160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

Electrical Service Designation/ Description:					
01	02	03	04	05	
Load Type per Table 130.5-B[1]	Minimum Required Separation of Load per Table 130.5-B	Compliance Method[2]	Location of Requirements in Construction Documents	Field Inspector	
				Pass	Fail
				☐	☐

NOTES If "Other" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.

[1] FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.

[2] Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.
Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.
Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring.
Method 4: Complete metering system measures and reports loads by type.
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

CALIFORNIA ENERGY COMMISSION

ELECTRICAL POWER DISTRIBUTION

CEC-NRCC-ELC-E

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c)/§160.6(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Piii/§180.2(b) 4Bviic.

NOTES If “Permitted by CA Elec Code” is selected under Compliance Method above, please indicate where the exception applies in the space provided below.

01	02		03	04	05	
Electrical Service Designation/ Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method		Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
					Pass	Fail
	☐ Voltage drop $\leq$ 5%	☐ Permitted by CA Elec Code (Exception to §130.5(c))*			☐	☐

[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

CALIFORNIA ENERGY COMMISSION

ELECTRICAL POWER DISTRIBUTION

CEC-NRCC-ELC-E

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(d)/§160.6(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01	02	03	04	05	06	07	
Room Name or Description	Location/ Type of Controlled Receptacles[1]	Shut-Off Controls	Demand Responsive Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector	
						Pass	Fail
				☐		☐	☐

NOTES: If "Other" is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below.

[1] FOOTNOTES: Receptacles dedicated to refrigerators and water dispensers in kitchens, located a minimum of 6ft above the floor specifically for clocks, network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms, circuits rated more than 20 Amps, or connected to a UPS that are intended to be in continuous use and are marked to differentiate them from other receptacles or circuits are excepted from the requirements.

J. ELECTRIC READY BUILDINGS

This table includes electrical system requirements that must be met when using gas or propane heating, cooking or clothes drying in multifamily occupancies to demonstrate compliance with §160.9.

01	Systems serving multifamily occupancy that use gas or propane include:	☐ Furnaces serving individual dwelling units	☐ Cooktops serving individual dwelling units	☐ Clothes dryers serving individual dwelling units	☐ Clothes dryers in common areas	☐ None of these

---

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)

GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☒ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

ROBERT J GOMES
No. 5322
STRUCTURAL

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1	
2	
3	
4	

DRAWN BY: AA
SCALE: AS NOTED
DATE: MM/DD/YY
PROJECT NO: XXXX-22

SHEET TITLE:
ENERGY CALCULATIONS
SUPPLEMENTAL SHEETS

SHEET NUMBER:
EN.86

ELECTRICAL POWER DISTRIBUTION

CALIFORNIA ENERGY COMMISSION

CEC-NRCC-ELC-E

Gas/ Propane Furnaces Serving Individual Dwelling Units (Heat Pump Space Heater Ready)

	Yes	Requirement
02	☐	A dedicated 240 volt branch circuit shall be installed within 3 feet from the furnace and accessible to the furnace with no obstructions. The branch circuit shall be rated at 30 amps minimum. The blank cover shall be identified as "240V ready". All electrical components shall be installed in accordance with the California Electrical Code.
03	☐	The main electrical service panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future heat pump space heater installation. The reserved space shall be permanently marked as "For Future 240V use".

Gas/ Propane Cooktops Serving Individual Dwelling Units

	Yes	Requirement
04	☐	A dedicated 240 volt branch circuit shall be installed within 3 feet from the cooktop and accessible to the cooktop with no obstructions. The branch circuit shall be rated at 50 amps minimum. The blank cover shall be identified as "240V ready". All electrical components shall be installed in accordance with the California Electrical Code.
05	☐	The main electrical service panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future electric cooktop installation. The reserved space shall be permanently marked as "For Future 240V use".

Gas/ Propane Clothes Dryers Serving Individual Dwelling Units

	Yes	Requirement
06	☐	A dedicated 240 volt branch circuit shall be installed within 3 feet from the clothes dryer and accessible to the clothes dryer with no obstructions. The branch circuit shall be rated at 30 amps minimum. The blank cover shall be identified as "240V ready". All electrical components shall be installed in accordance with the California Electrical Code.
07	☐	The main electrical service panel shall have a reserved space to allow for the installation of a double pole circuit breaker for a future electric clothes dryer installation. The reserved space shall be permanently marked as "For Future 240V use".

ELECTRICAL POWER DISTRIBUTION

CALIFORNIA ENERGY COMMISSION

CEC-NRCC-ELC-E

Gas/ Propane Clothes Dryers In Common Areas

	Yes	Requirement
08	☐	Conductors or raceway shall be installed with termination points at the main electrical panel, via subpanels panels if applicable, to a location no more than 3 feet from each gas outlet or a designated location of future electric replacement equipment. Both ends of the conductors or raceway shall be labelled "Future 240V Use." The conductors or raceway and any intervening subpanels, panelboards, switchboards, and busbars shall be sized to meet the future electric power requirements, at the service voltage to the point at which the conductors serving the building connect to the utility distribution system, as specified below. The capacity requirements may be adjusted for demand factors in accordance with the California Electric Code. Gas flow rates shall be determined in accordance with the California Plumbing Code. Capacity shall be one of the following: - 24 amps at 208/240 volts per clothes dryer; - 2.6 kVA for each 10,000 Btu per hour of rated gas input or gas pipe capacity; or - The electrical power required to provide equivalent functionality of the gas-powered equipment as calculated by the responsible person.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
●	○	NRCI-ELC-E - Must be submitted for all buildings.	☐	☐

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

ELECTRICAL POWER DISTRIBUTION

CALIFORNIA ENERGY COMMISSION

CEC-NRCC-ELC-E

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: JOSE AREVALO	Documentation Author Signature: Jose M Arevalo
Documentation Author Company Name: AMERICAN MODULAR SYSTEMS	Date Signed: 06/30/23
Address: 787 SPRECKELS AVE	CEA Certification Identification (If applicable):
City/State/Zip: MANTECA, CA	Phone: 209-825-1921

RESPONSIBLE PERSON'S DECLARATION STATEMENT

2. I certify the following under penalty of perjury, under the laws of the State of California:
   1. The information provided on this Certificate of Compliance is true and correct.
   2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
   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 Code of Regulations.
   4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
   5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
   6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Responsible Designer Name: Randall Cavanagh	Responsible Designer Signature:
Company : American Modular systems	Date Signed: 6-28-23
Address: 787 Spreckels Avenue	License: C12631
City/State/Zip: Manteca, Ca 95363	Phone: (209)825-1921

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-ELC-E
Electrical Power Distribution	(Page 1 of 3)

A. General Information

1. Enter the City the project is located in.
2. Climate Zone: Select from dropdown.
3. Select the applicable Occupancy Types within the Project.

B. Project Scope

1. Enter the Electrical Service Designation/Description.
2. Scope of Work: Select from dropdown.
3. Enter the kVA Rating.
4. Check if the Utility Provided Metering System meets Exception to §130.5(a)/§160.6(a)3.
5. Check if the System is subject to CA Elec Code Article 517 Exception to §130.5(a)&(b).
6. Demand Response Controls static text.
7. Check if power is provided to dwelling units/common living areas only in a multifamily occupancy.

C. Compliance Results

1. Results in this table are automatically calculated from data input and calculations in Tables F through J.

D. Exceptional Conditions

1. This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. Additional Remarks

1. Enter any notes or comments for the AHJ.

F. Service Electrical Metering

1. This field is filled out automatically.
2. This field is filled out automatically.
3. Instantaneous Demand checkbox is always checked.
   Historical Peak Demand checkbox is checked automatically.
   Tracking kWh for user-defined period checkbox is always checked.
   kWh per rate period is checked automatically.
4. Enter the Location of Requirements in Construction Documents.
5. This is a Pass or Fail checkbox for the field inspector.

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-ELC-E
Electrical Power Distribution	(Page 2 of 3)

G. Separation of Electrical Circuits for Energy Monitoring

1. Load Type per Table 130.5-B: Select from dropdown.
2. This field is filled out automatically.
3. Compliance Method: Select from dropdown.
4. Enter the Location of Requirements in the Construction Documents.
5. This is a Pass or Fail checkbox for the field inspector.

H. Voltage Drop

1. This field is filled out automatically.
2. Select the Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method.
3. Location of Voltage Drop Calculation: Select from dropdown.
4. Enter the Sheet Number for Voltage Drop Calculation in Construction Documents.
5. This is a Pass or Fail checkbox for the field inspector.

I. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles

1. Enter the Room Name or Description.
2. Location/Type of Controlled Receptacles: Select from dropdown.
3. Shut-Off Controls: Select from dropdown.
4. Demand Responsive Controls: Select from dropdown.
5. Check if a Permanent Durable Marking Will be Used.
6. Enter the Location of Requirements in the Construction Documents.
7. This is a Pass or Fail checkbox for the field inspector.

J. Electric Ready Buildings

1. Select the applicable systems serving multifamily occupancy that use gas or propane.

2-8. Check Yes to verify your project meets the requirements.

K. Declaration of Required Certificates of Installation

Selections have been automatically made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks.

L. Declaration of Required Certificates of Acceptance

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS	NRCC-ELC-E
Electrical Power Distribution	(Page 3 of 3)

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks.

Documentation Declaration Statements

1. The person who prepared the NRCC will sign and complete the fields for their name, company (if applicable), address, phone number, certification information (if applicable), date and signature.
2. The person who is assuming responsibility for the project being built to comply with Title 24, Part 6, will complete the fields for their name, company (if applicable), address, phone number, license number (if applicable), date and signature.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7 by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

ROBERT J GOMES
No. 5322

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS

1
2
3
4

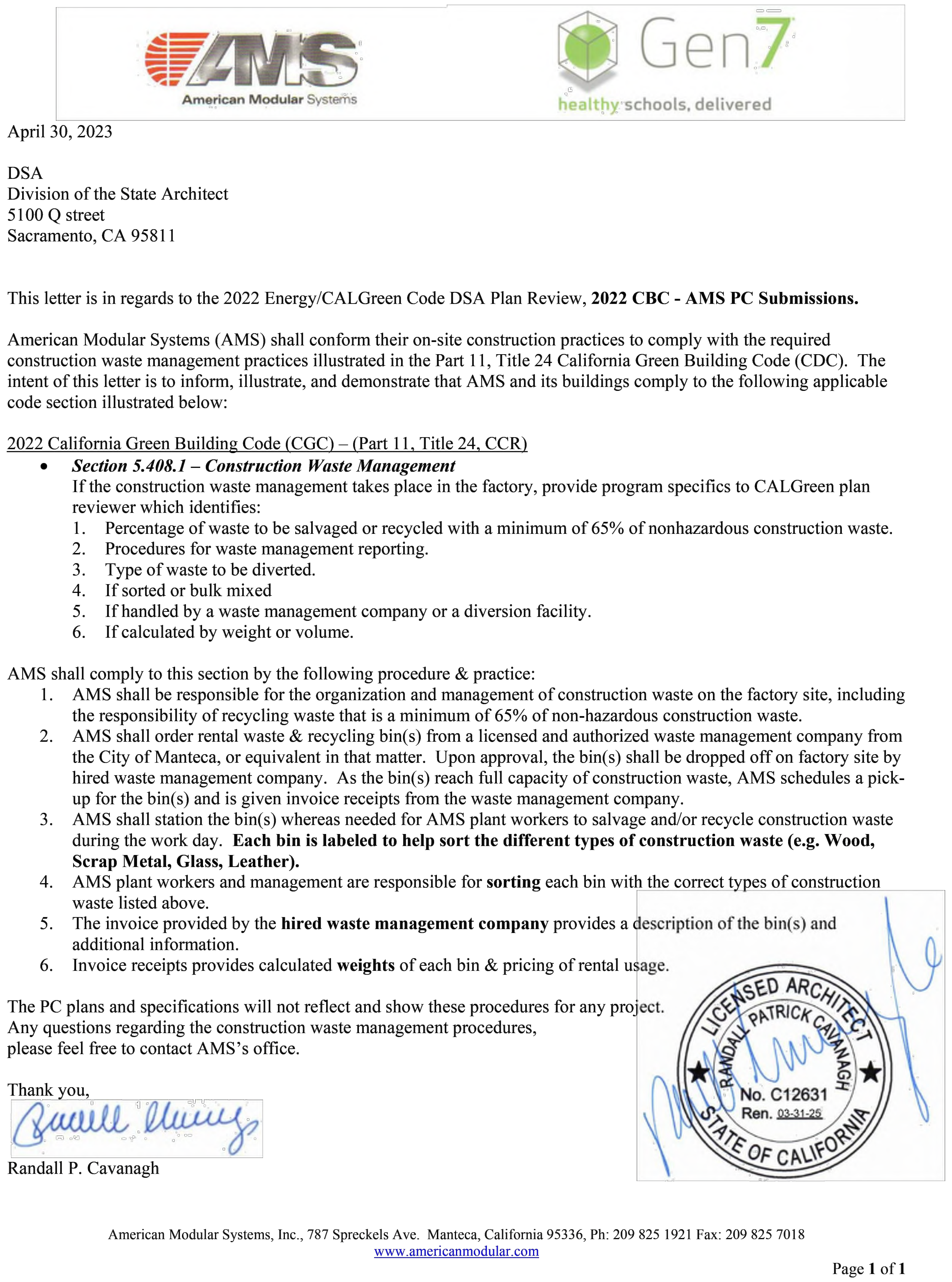
DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS
SUPPLEMENTAL SHEETS

SHEET NUMBER:

EN.87



AMS American Modular Systems
Gen7 healthy schools, delivered

April 30, 2023

DSA
Division of the State Architect
5100 Q street
Sacramento, CA 95811

This letter is in regards to the 2022 Energy/CALGreen Code DSA Plan Review, **2022 CBC - AMS PC Submissions.**

American Modular Systems (AMS) shall conform their on-site construction practices to comply with the required construction waste management practices illustrated in the Part 11, Title 24 California Green Building Code (CDC). The intent of this letter is to inform, illustrate, and demonstrate that AMS and its buildings comply to the following applicable code section illustrated below:

2022 California Green Building Code (CGC) – (Part 11, Title 24, CCR)

- ***Section 5.408.1 – Construction Waste Management***
  If the construction waste management takes place in the factory, provide program specifics to CALGreen plan reviewer which identifies:
  1. Percentage of waste to be salvaged or recycled with a minimum of 65% of nonhazardous construction waste.
  2. Procedures for waste management reporting.
  3. Type of waste to be diverted.
  4. If sorted or bulk mixed
  5. If handled by a waste management company or a diversion facility.
  6. If calculated by weight or volume.

AMS shall comply to this section by the following procedure & practice:

1. AMS shall be responsible for the organization and management of construction waste on the factory site, including the responsibility of recycling waste that is a minimum of 65% of non-hazardous construction waste.
2. AMS shall order rental waste & recycling bin(s) from a licensed and authorized waste management company from the City of Manteca, or equivalent in that matter. Upon approval, the bin(s) shall be dropped off on factory site by hired waste management company. As the bin(s) reach full capacity of construction waste, AMS schedules a pick-up for the bin(s) and is given invoice receipts from the waste management company.
3. AMS shall station the bin(s) whereas needed for AMS plant workers to salvage and/or recycle construction waste during the work day. **Each bin is labeled to help sort the different types of construction waste (e.g. Wood, Scrap Metal, Glass, Leather).**
4. AMS plant workers and management are responsible for **sorting** each bin with the correct types of construction waste listed above.
5. The invoice provided by the **hired waste management company** provides a description of the bin(s) and additional information.
6. Invoice receipts provides calculated **weights** of each bin & pricing of rental usage.

The PC plans and specifications will not reflect and show these procedures for any project.
Any questions regarding the construction waste management procedures,
please feel free to contact AMS's office.

Thank you,

Randall P. Cavanagh

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 03-31-25

American Modular Systems, Inc., 787 Spreckels Ave. Manteca, California 95336, Ph: 209 825 1921 Fax: 209 825 7018
www.americanmodular.com

Page **1** of **1**

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-125476 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/07/2026

AMS®
American Modular Systems
787 Spreckels Ave., Manteca, CA 95336
Phone (209) 825-1921 Fax (209) 825-7018
www.americanmodular.com

INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT
COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)
AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.

PRE-CHECKED SET NAME
28' x 36' THRU 140' x 36'
(HIGH SEISMIC)
GEN7®
by AMS

SITE SPECIFIC PROJECT NAME
.
.
.

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 02-121092 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☑~~
~~DATE: 05/14/2024~~

☒ **2022 CBC PRE-CHECK (PC) DOCUMENT**
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-25

ROBERT J GOMES
No. 5322

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION
UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

REVISIONS
1
2
3
4

DRAWN BY:	AA
SCALE:	AS NOTED
DATE:	MM/DD/YY
PROJECT NO:	XXXX-22

SHEET TITLE:

ENERGY CALCULATIONS
SUPPLEMENTAL SHEETS

SHEET NUMBER:

EN.88