GENERAL SITE NOTES:

THE REQUIREMENTS AND INFORMATION SET OUT BELOW ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE AND DO NOT ENCOMPASS ALL PROJECT REQUIREMENTS DESCRIBED BY THE PROJECT PLANS AND SPECIFICATIONS AND/OR APPLICABLE LAWS, REGULATIONS AND/OR BUILDING CODES.

- CONSTRUCTION OF ALL PROJECT SITE IMPROVEMENTS SUBJECT TO ADA ACCESS COMPLIANCE, INCLUDING ACCESSIBLE PATH OF TRAVEL, CURB RETURNS, PARKING STALL(S) AND UNLOADING AREAS, BARRIER FREE AMENITIES AND/OR OTHER APPLICABLE SITE IMPROVEMENTS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT, CALIFORNIA TITLE 24, AND THE CALIFORNIA BUILDING CODE, CURRENT EDITION(S).
- CONTRACTOR SHALL FIELD VERIFY ALL GRADES AND SLOPES PRIOR TO THE PLACEMENT OF CONCRETE AND/OR PAVEMENT FOR CONFORMANCE WITH ADA ACCESS COMPLIANCE REQUIREMENTS. EXAMPLES OF MINIMUM AND MAXIMUM LIMITS RELATED TO ADA ACCESS COMPLIANCE INCLUDE, BUT ARE NOT LIMITED TO:
 - a) ACCESSIBLE PATH OF TRAVEL CROSS-SLOPE SHALL NOT
 - b) ACCESSIBLE PATH OF TRAVEL LONGITUDINAL SLOPES SHALL
 - c) RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 8.33%
 - d) WALKS SHALL NOT HAVE LESS THAN 48 INCHES IN UNOBSTRUCTED WIDTH
 - e) ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION
 - f) LANDINGS AT THE TOP AND BOTTOM OF ACCESSIBLE RAMPS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION
 - g) GUTTERS AND ROAD SURFACES DIRECTLY ADJACENT TO AND WITHIN 2 FEET OF A CURB RAMP SHALL HAVE A COUNTER SLOPE NOT TO EXCEED 5%
 - h) OPEN PAVED PLAY AREAS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION
- CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IDENTIFIED BY THE PROFESSIONAL ENGINEERING SEAL AND SIGNATURE ON THESE PLANS, OF ANY SITE CONDITION(S) AND/OR DESIGN INFORMATION THAT PREVENTS THE CONTRACTOR FROM COMPLYING WITH THE LAWS, REGULATIONS AND/OR BUILDING CODES GOVERNING ADA ACCESS COMPLIANCE.
- DRAINAGE SHALL NOT BE ALLOWED ONTO ADJACENT PROPERTY.
- ALL FILL MATERIAL USED SHALL BE PLACED IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS. A SOILS COMPACTION REPORT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AS REQUIRED BY THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS REQUIRED BY THE PROJECT SPECIFICATIONS, AND BY GOVERNING PUBLIC AGENCIES.
- THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO START OF ANY WORK.
- CONTRACTOR SHALL NOTIFY THE SCHOOL DISTRICT TO TURN OFF IRRIGATION A MINIMUM OF 2 DAYS PRIOR TO STARTING WORK. CONTRACTOR SHALL COORDINATE WITH THE SCHOOL DISTRICT THROUGHOUT THE COURSE OF THE PROJECT FOR WATERING AND NON-WATERING TIMES. CONTRACTOR SHALL NOTIFY THE DISTRICT AS SOON AS WORK IS COMPLETED TO THE POINT WHERE IRRIGATION SYSTEMS MAY BE TURNED BACK ON.
- ENSURE THAT ALL EXISTING STRIPING IS NOT VISIBLE AFTER APPLYING SEAL COAT AND PRIOR TO RESTRIPING AND REPAINTING. OTHERWISE. ADDITIONAL SEAL COAT APPLICATION MAY BE
- PRIOR TO ACCEPTANCE OF NEW PAVING AND APPLICATION OF SEAL COAT AND/OR STRIPING, THE CONTRACTOR SHALL COMPLETE A WATER TEST OF THE NEW PAVEMENT WITH THE ENGINEER OR RECORD PRESENT TO VERIFY THAT NO LOW SPOTS OR "BIRD BATHS" ARE PRESENT, PER THE PROJECT SPECIFICATIONS.
- LAYOUT ALL PAVEMENT MARKINGS TO MATCH EXISTING UNLESS NOTED OTHERWISE ON PLANS.
- PAINT ALL CURBS AND WHEELSTOPS TO MATCH EXISTING WITHIN PROJECT LIMITS, UNLESS SHOWN OTHERWISE ON THE PLANS
- ALL CONCRETE SHALL HAVE WEAKENED PLANE JOINTS AT 10 FEET OR LESS ON CENTER AND ONE HALF INCH PREMOLDED EXPANSION JOINTS AT 30 FEET OR LESS MINIMUM. MATCH EXISTING SCORE PATTERN DIMENSIONS ON ALL CONCRETE WALKS AND PAVEMENT.
- NO CONCRETE MAY BE POURED UNTIL ALL FORMS AND REINFORCEMENTS HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT INSPECTOR.
- REPLACE ALL DAMAGED TURF AND IRRIGATION FACILITIES RESULTING FROM THE WORK REQUIRED.
- ADJUST ALL UTILITY LIDS TO FINISHED GRADE WITHIN CONSTRUCTION AREA PER DETAIL [D/X101B] UNLESS NOTED OTHERWISE. REMOVE AND REPLACE ALL BROKEN OR DAMAGED LIDS AND BOXES. ALL LIDS WITHIN TRAFFIC AREAS SHALL BE TRAFFIC RATED.
- ANY EXISTING UTILITIES AND/OR IMPROVEMENTS WHICH ARE TO REMAIN, THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AND AGENCY HAVING AUTHORITY, AT THE CONTRACTOR'S SOLE
- ANY EXISTING UTILITIES AND/OR IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AND AGENCY HAVING AUTHORITY, AT THE CONTRACTOR'S SOLE EXPENSE.
- CONTRACTOR TO MATCH EXISTING PAVEMENT GRADE AT ALL NEW PAVEMENT LOCATIONS UNLESS NOTED OTHERWISE ON THE PLANS.
- ASPHALT CONCRETE REMOVAL AND REPLACEMENT LIMITS SHOWN ARE APPROXIMATE AND ARE BASED ON PAVEMENT CONDITIONS OBSERVED DURING A PRE-DESIGN SITE REVIEW. ADJUST LOCATIONS AND LIMITS AS REQUIRED BY ACTUAL FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
- INSTALL DOWELED CONNECTION AT JOINT OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL [B/X101B]
- TREAT ALL JOINTS BETWEEN EXISTING ASPHALT AND CONCRETE SURFACES PER DETAIL [A/X101B]

CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE CLASSROOM IMPROVEMENTS VIRGINIA R. BORIS ELEMENTARY SCHOOL

DSA FILE NO:

FLOOD HAZARD INFORMATION:

FLOOD INSURANCE RATE MAP (F.I.R.M.) PANEL DESIGNATION:

DIVISION OF THE STATE ARCHITECT (DSA), SACRAMENTO OFFICE

NO DEFERRED APPROVALS INCLUDED IN THIS DSA APPLICATION

NON-COMPLIANT CONSTRUCTION:

IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED,

REQUIREMENTS OF THE EDITION OF THE CBC IN FORCE AT THE TIME

OF ORIGINAL CONSTRUCTION, THE CONDITION MUST BE CORRECTED

IN ACCORDANCE WITH CURRENT CODE REQUIREMENTS. A CHANGE

DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE

SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH

1. A COPY OF TITLE 24 C.C.R. PARTS 1 THROUGH 5 AND 9 SHALL BE KEPT ON THE

PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK

HAS BEEN LET SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT AS

REQUIRED BY SECTION 4-338, PART I, CAC, AND SHALL BE SUBMITTED TO AND

CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED

TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATIONS IR-A6.

3. CONSTRUCTION CHANGE DOCUMENTS SHALL BE SIGNED BY THE FOLLOWING,

ARCHITECT OR ENGINEER OF RECORD, STRUCTURAL ENGINEER (WHEN

5. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE CONSTRUED TO

PERMIT WORK NOT CONFORMING TO THE MOST STRINGENT OF CODES. ALL

WORK SHALL BE BE DONE IN ACCORDANCE WITH THE GOVERNING CODES.

6. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF TITLE 24 SECTION 4-335.

TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE

WITH TITLE 24 SECTION 4-335 OF PART I, AND THE DISTRICT SHALL EMPLOY

AND PAY THE LABORATORY, COSTS OF RE-TEST MAY BE BACK CHARGED TO

THE CONTRACTOR. TESTING LABORATORY SHALL BE AN APPROVED MEMBER

OF THE DSA'S LEA (LABORATORY EVALUATION AND ACCEPTANCE) PROGRAM

8. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO

BE IN ACCORDANCE WITH TITLE 24 SECTION 4-342, PART I.

THE PLACEMENT OF THE CONCRETE PER TITLE 24 SECTION 4-331, PART I.

9. A CLASS 4 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND

APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. INSPECTOR SHALL BE IN

10. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH

11. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT

12. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR

13. THE CONTRACTOR SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH

15. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE

CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE

SUBMITTED TO AND APPROVED BY THE OFFICE OF REGULATIONS SERVICES

REQUIREMENTS AND ENVIRONMENTAL HEALTH CONCERNS SHALL COMPLY

INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A

SCHOOL BUILDING IN ACCORDANCE WITH TITLE 24, C.C.R. SHOULD ANY

CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24. C.C.R. A

16. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS

RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS."

17. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE

18. PER C.B.C. 11B-104.1 "ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL

CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), C.C.R. TITLE 24, PART1

2022 CALIFORNIA BUILDING CODE (CBC), C.C.R. TITLE 24, PART 2

2022 CALIFORNIA PLUMBING CODE (CPC), C.C.R. TITLE 24, PART 5

2022 CALIFORNIA ENERGY CODE (CAC), C.C.R. TITLE 24, PART 6

2022 CALIFORNIA FIRE CODE (CFC), C.C.R. TITLE 24, PART 9

UL 268-09 SMOKE DETECTORS FOR FIRE ALARM SYSTEMS

UL 464-03 AUDIBLE SIGNAL APPLIANCES (AS AMENDED)

2022 CALIFORNIA ELECTRICAL CODE (CEC), C.C.R. TITLE 24, PART 3

2022 CALIFORNIA MECHANICAL CODE (CMC), C.C.R. TITLE 24, PART 4

2022 CALIFORNIA REFERENCED STANDARDS CODE C.C.R. TITLE 24, PART 12

NFPA 72-16 NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED) UL 38-99 MANUALLY ACTUATED SIGNALING BOXES (AS AMENDED)

UL 268A-09 SMOKE DETECTORS FOR DUCT APPLICATIONS (AS AMENDED)

UL 1424 CABLES FOR POWER-LIMITED FIRE-ALARM CIRCUITS (2005 EDITION) UL 1971 SIGNALING DEVICES FOR THE HEARING IMPAIRED 2002 (R2012) EDITION

UL 521-99 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS (AS AMENDED)

ACCORDANCE WITH SECTION 4-333(b), THE DUTY OF THE INSPECTOR SHALL

VERIFIED REPORTS (FORM DSA-6) IN ACCORDANCE WITH TITLE 24 SECTION

DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-333(A). 4-341, AND 4-344,

2. CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY

APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK.

APPLICABLE), DELEGATED PROFESSIONAL ENGINEER, DSA.

ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS

DETERIORATION OF EXISTING

WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE

FLOOD ZONE DESIGNATION:

EFFECTIVE DATE OF F.I.R.M.:

MAP #06019C1595H

FEBRUARY 18, 2009

THE REPAIR WORK.

JOB SITE AT ALL TIMES.

4. ADDENDA SHALL BE APPROVED BY DSA.

PART I, AND APPROVED DSA-103

TITLE 24 SECTION 4-334, PART I.

TITLE 24 SECTION 4-343, PART I.

14. DSA IS NOT SUBJECT TO ARBITRATION.

BEFORE PROCEEDING WITH THE WORK.

WITH ALL LOCAL ORDINANCES.

GOVERNING CODES:

C.C.R. TITLE 24, PART II

C.C.R. TITLE 19 PUBLIC SAFETY

AMERICANS WITH DISABILITIES ACT

NOTES:

ZONE X - AREA OF MINIMAL FLOOD HAZARD

ENFORCING AGENCY:

PTN: 62117-461

DSA APPL NO:

SITE ADDRESS:

PROJECT CONTACTS:

VIRGINIA R. BORIS ELEMENTARY SCHOOL

7071 E. CLINTON AVE,

FRESNO, CA 93727

OWNER: CLOVIS UNIFIED SCHOOL DISTRICT 1450 HERNDON AVE CLOVIS, CA 93611 PHONE: (559) 327-9000

CONTACT: DENVER STAIRS E-MAIL: DenverStairs@clovisusd.k12.ca.us

BLAIR. CHURCH & FLYNN CIVIL ENGINEER: CONSULTING ENGINEERS 451 CLOVIS AVENUE, SUITE 200 CLOVIS, CA 93612 PHONE: (559) 326-1400 CONTACT: LANE BADER E-MAIL: Lbader@bcf-engr.com

STRUCTURAL ENGINEER: BLAIR, CHURCH & FLYNN CONSULTING ENGINEERS 451 CLOVIS AVENUE, SUITE 200 CLOVIS, CA 93612 PHONE: (559) 326-1400 CONTACT: BRIAN BROOKS

E-MAIL:Bbrooks@bcf-engr.com

CONTACT: DAVE BRILEY

E-MAIL: Dbriley @bcf-engr.com

CONTACT: SCOTT DAVIDSON

E-MAIL: sd@hardin-davidson.com

E-MAIL: jenny.levas @mobilemodular.com

LANDSCAPE ARCHITECT: BLAIR, CHURCH & FLYNN CONSULTING ENGINEERS 451 CLOVIS AVENUE, SUITE 200 CLOVIS, CA 93612 PHONE: (559) 326-1400

ELECTRICAL ENGINEER: HARDIN DAVIDSON ENGINEERING 356 POLLASKY AVENUE, SUITE 200 CLOVIS, CA 93612 PHONE: (559) 323-4995

MODULAR BUILDING COMPANY: MOBILE MODULAR LIVERMORE, CA 94550 PHONE: (925) 273-9786 CONTACT: JENNY LEVAS

SCOPE OF WORK:

1. RELOCATION OF (2) 24'x40' PORTABLE BUILDING, SITE CONCRETE IMPROVEMENTS AND LANDSCAPE AND IRRIGATION IMPROVEMENTS.

NOTE:

THESE PORTABLE BUILDINGS ARE ONLY FOR TEMPORARY USE AND ARE LIMITED TO A MAXIMUM USE OF THREE YEARS FROM THE DATE OF INSTALLATION.

STATEMENT OF GENERAL CONFORMANCE:

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED PROFESSIONALS AND/OR CONSULTANTS.

FOR DSA USE ONLY

DSA APP # 02-120132

APPLICATION NO:. 02-120132 FILE NO:. 10-27

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THE STATE. IT HAS

- X DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
- X COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR

INCORPORATIONS INTO THE CONSTRUCTION OF THIS PROJECT. THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS

RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF 4-341, AND 4-344" OF TITLE 24, PART I.

I CERTIFY THAT:

ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX THIS DRAWING OR PAGE

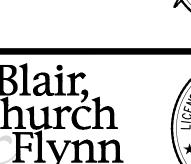
IS/ARE IN GENERAL, CONFORMANCE AND HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS

04/28/22 ENGINEER'S SIGNATURE DATE BRIAN BROOKS STRUCTURAL ENGINEER BLAIR, CHURCH & FLYNN CONSULTING ENGINEERS

LICENSE NUMBER EXPIRATION DATE

TABLE OF CONTENTS SHEET NUMBER SHEET TITLE ACCESSIBILITY PLAN FIRE ACCESS PLAN TOPOGRAPHIC SURVEY NOTES AND LEGEND TOPOGRAPHIC SURVEY DEMOLITION PLAN GRADING AND DRAINAGE PLAN DETAILS LANDSCAPING L101B IRRIGATION PLAN IRRIGATION DETAILS PLANTING PLAN ELECTRICAL DETAILS ECTRICAL LINE DIAGRAMS FIRE ALARM NOTES AND DETAILS FIRE ALARM SITE AND BUILDING PLANS E302 ENLARGED ELECTRICAL SITE PLAN ARCHITECTURAL PC 02-101478, SERIAL # 3823-3824, 3839-3840 COVER SHEET MECHANICAL AND REFLECTED CEILING PLANS ELECTRICAL POWER AND SIGNAL PLAN SECTIONS AND DETAILS **WOOD FOUNDATION PLAN** ROOF-CEILING-FLOOR FRAMING PLANS LONGITUDINAL BUILDING SECTION CONNECTION DETAILS HANDICAP ACCESS RAMP RELOCATABLE BUILDING PC 04-119396 COVER SHEET A-NUMBERS FOUNDATION PLANS





CONSULTING ENGINEERS





PORTABLE ADDITIONS **BORIS ELEMENTARY SCHOOL**

CLOVIS UNIFIED SCHOOL DISTRICT

COVER SHEET

TOTAL SHEET COUNT: 48

CONST. DOCUMENTS

GENERAL SPECIFICATIONS

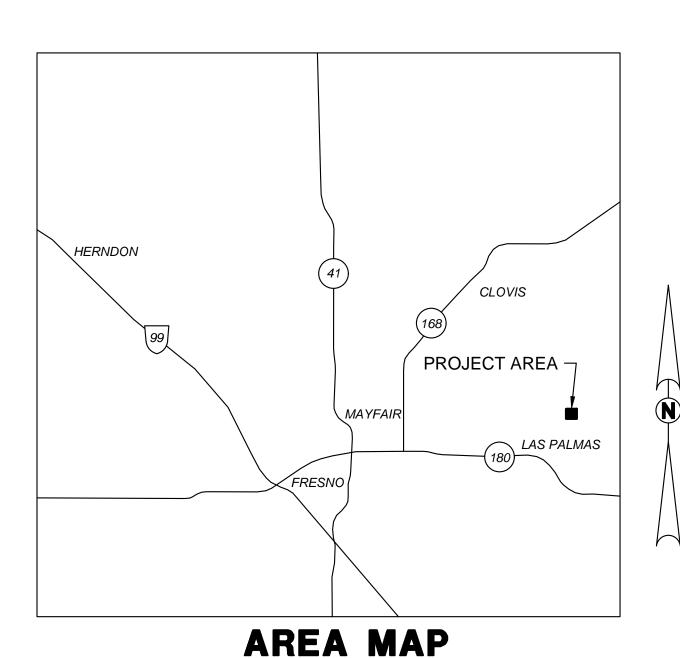
ADJACENT BUILDINGS DETAILS

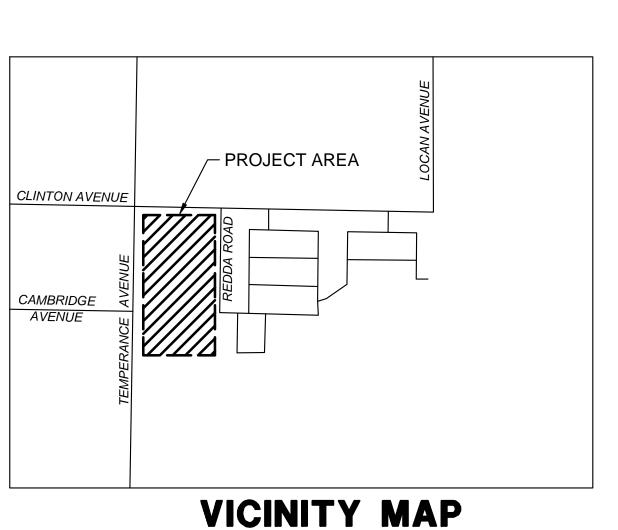
ADJACENT BUILDINGS DETAILS

C100B SCALE AS NOTED

DATE: <u>04/28/2022</u>





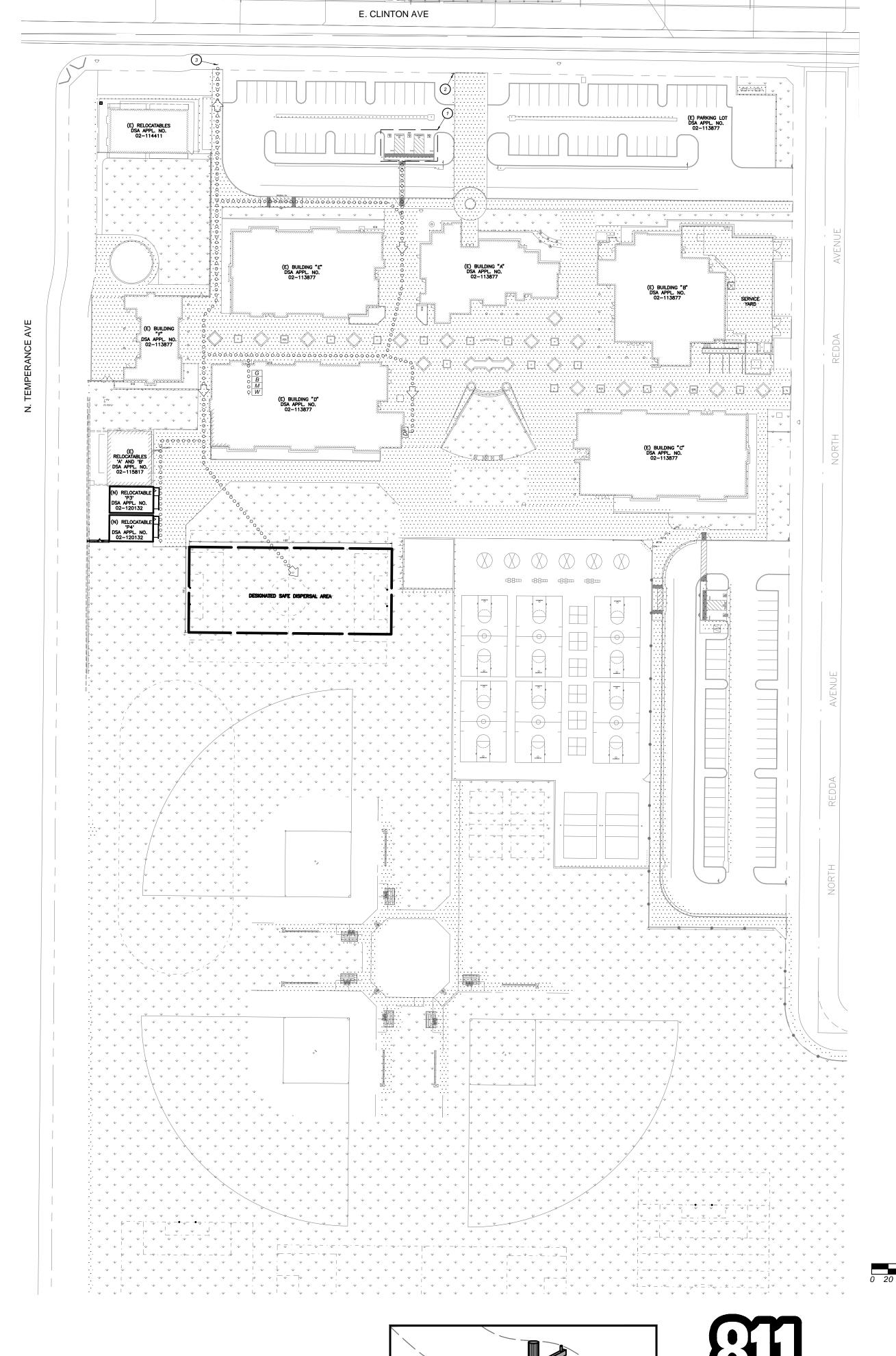


NOT TO SCALE











EXISTING TURF TO REMAIN PROPOSED CONCRETE

> EXISTING ACCESSIBLE GIRLS RESTROOM PER DSA APP. NO. 02-113877

EXISTING ACCESSIBLE MENS RESTROOM PER DSA APP. NO. 02-113877 EXISTING ACCESSIBLE WOMENS RESTROOM PER

DSA APP. NO. 02-113877

EXISTING ACCESSIBLE TOW AWAY SIGN PER DSA

ROUTE TO PUBLIC WAY

DSA APP#	TOTAL STALLS PROVIDED	ACCESSIBLE STALLS PROVIDED	ACCESSIBLE STAL REQUIRED PER CE 11-B208.2
02-113877	65	3 TOTAL (1 VAN)	3 TOTAL (1 VAN)

FIRE SPRINKLERS:.... 1. It is a relocatable building at the site for less than three years

2. Total Applicable Building Area (3,840 SF) is less than 12,000 SF maximum for no sprinklers (CBC 903.2.3).

OCCUPANCY CLASSIFICATION:..... E, EDUCATION GROUP

BUILDING HEIGHT. ALLOWABLE 40' Max. PROPOSED +/- 16' (CBC TABLE 504.3) BUILDING AREA.....

The separation of the proposed and existing buildings is less than 20' (CBC Table 602), the modular buildings do not have fire rated exterior walls so they shall be considered a portions of one building as follows: (CBC 705.3 Exception 1)

OCCUPANT LOAD CALCULATION (CBC TABLE 1004.5)

Existing Adjacent Modular Building 'A' & 'B':

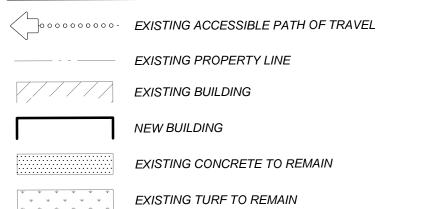
OCCUPANCY CLASSIFICATION:..... E, EDUCATION GROUP CLASSROOM AREA:... . (2) 960 = 1920 SF

Proposed (2) 24' x Classrooms: CLASSROOM AREA:... OCC. LOAD FACTOR....

1 EXIT PER CLASSROOM REQUIRED AND 1 EXIT IS PROVIDED (CBC TABLE 1006.2.1 FOR MAXIMUM OCCUPANT LOAD OF 49)

ALL DOORS TO ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 5 OR MORE SHALL BE EQUIPPED WITH HARDWARE THAT IS LOCKABLE FROM THE INSIDE PER CBC 1010.1.11

SITE LEGEND:



EXISTING ACCESSIBLE BOYS RESTROOM PER DSA APP. NO. 02-113877

DSA APP. NO. 02-113877 EXISTING ACCESSIBLE DRINKING FOUNTAIN PER

EXISTING VAN ACCESSIBLE PARKING WITH TRUNCATED DOMES PER DSA APP. NO. 02-113877

APP. NO. 02-113877

PARKING LOT SUMMARY:

DSA APP#	TOTAL STALLS PROVIDED	ACCESSIBLE STALLS PROVIDED	ACCESSIBLE STAL REQUIRED PER CE 11-B208.2
02 442077	C.F.	2 TOTAL (1 \/AN)	2 TOTAL (1 MAN)

PROJECT DATA / CODE ANALYSIS:

(2019 CBC, CFC & City of Fresno municipal code amendments)

CONSTRUCTION TYPE:..... V-B (CBC 602.5)

(CBC 903.2.20)

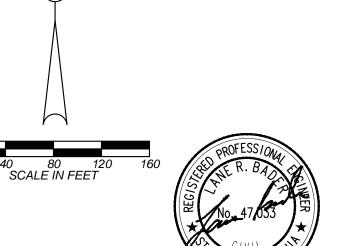
3. The existing modular units are all sprinklered.

. ALLOWABLE 9,500 SF (CBC TABLE 506.2)

CONSTRUCTION TYPE:.....

OCC. LOAD FACTOR.... . 1 OCC./20 SF NET 960/20 = 48 (EACH)

. (2) 960 = 1920 SF . 1 OCC./20 SF NET 960/20 = 48 (EACH)











CONSULTANT Blair, Church & Flynn Consulting Engineers 451 Clovis Avenue, Suite 200 Clovis, California 93612 Tel (559) 326-1400 Fax (559) 326-1500

CLOVIS UNIFIED SCHOOL DISTRICT REF. & REV.

PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL **ACCESSIBILITY PLAN**



FOR DSA USE ONLY

DSA APP # 02-120132

PATH OF TRAVEL REQUIREMENTS:

AND STRUCTURAL REPAIRS.

CONSTRUCTION DOCUMENTS.

EXCEEDING 1/4".

WALKING SURFACE

CONSTRUCTION CHANGE DOCUMENT.

DOCUMENTS.

<u>DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE</u>
<u>STATEMENT:</u> THE PATH-OF-TRAVEL (P.O.T.) IDENTIFIED IN THESE

CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS

EXAMINED AND ANY ELEMENTS, COMPONENTS OF PORTIONS OF THE

P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN

IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF

ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF

THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE

PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE

AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS

THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND

ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE

NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH

2. THE ENGINEER HAS SURVEYED/INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE, OR

1. AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE.

INDICATED, AND A CROSS SLOPE OF 1:48 OR LESS;

3. PASSING SPACES (11B-403.5.3) OF 60"x60" MIN. ARE LOCATED NOT

CURB AT LEAST 6" IN HEIGHT ABOVE THE WALK (11B-303.5).

HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD

AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES

2. WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE; WITH A RUNNING SLOPE OF 1:20 OR LESS, UNLESS OTHERWISE

3. IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE

4. IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN

THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE.

MORE THAN 200' APART. WALKS WITH CONTINUOUS GRADIENTS HAVE 60" IN LENGTH OF LEVEL AREAS (11B-403.7) NOT MORE THAN 400'

APART. THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR

LANDING UNLESS IDENTIFIED BY A GUARD, A HANDRAIL, OR WARNING

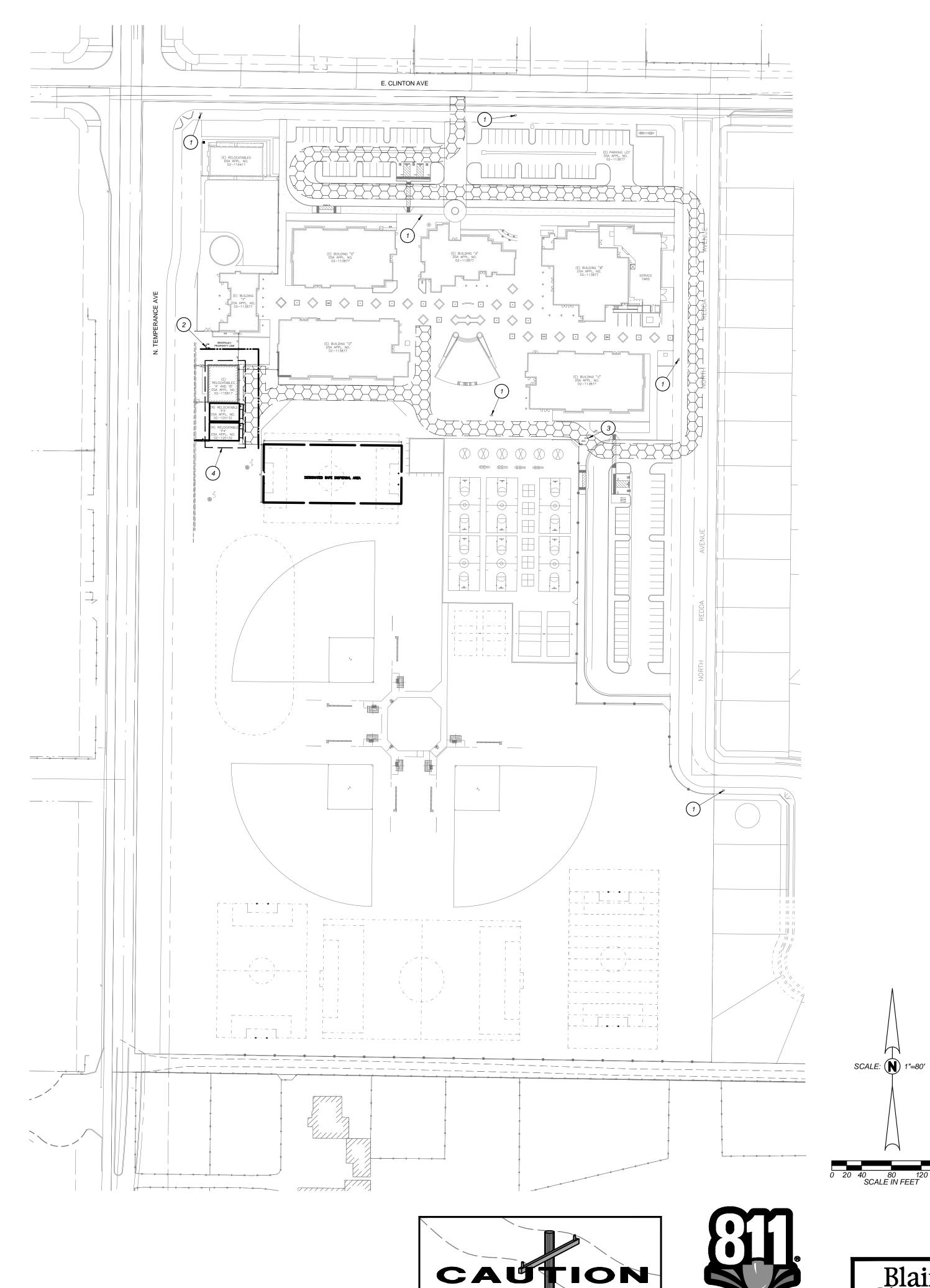
WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED

THE CBC AS A PART OF THIS PROJECT BY MEANS OF A

CAUSE IT TO BE, A BARRIER FREE ACCESSIBLE ROUTE:

SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION

C101B



SITE LEGEND:

EXISTING 20' WIDE FIRE LANE NEW BUILDING

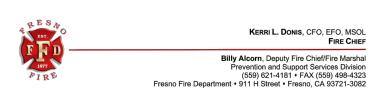
EXISTING BUILDING

EXISTING FIRE HYDRANT

EXISTING F.D.C.

REMOVABLE BOLLARDS

ALL MODULAR UNITS WITHIN DASHED LINE SHALL BE CONSIDERED AS PORTIONS OF ONE BUILDING (CBC 705.3 EXCEPTION 1)



Please Reply To: Byron Beagles Fire Prevention Engineer (559) 621-4181 byron.beagles@fresno.gov

DATE: April 8, 2022 Diego Gaona, Assistant Engineer Blair, Church and Flynn

SUBJECT: Waterflow Curve for 7071 E. Clinton Virginia R. Boris Elementary School

The Fresno Fire Department provides prescriptive curves for fire sprinkler hydraulic calculations and available fire flow. The subject project's water supply is provided by:

City of Fresno Water Division
 Pinedale Public Utility District
 Bakman Water Company
 City of Kerman
 Other:

shall be utilized as the basis of design at the point of connection to the 12 inch water main located in N. Temperance Ave. Alternatively, the sprinkler system can be calculated to the 8 inch public main in N. Redda usning Curve "B" described above. The school site has two 8 inch fire services and I assume it is looped on site to both services.

This prescriptive curve is based on water main infrastructure in the project area, historic data on available fireflow at peak demand periods, anticipated available fire flow with future development, and the known operating parameters of the respective water purveyors. Service will be through a single detector check in a vault at the property line. FFD does not require a 10% safety margin when utilizing prescriptive curves for fire sprinkler system calculations. If you have further questions, please feel free to contact our office.

FIRE AUTHORITY

ADSA

810

FOR DSA USE ONLY

DSA APP # 02-120132

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

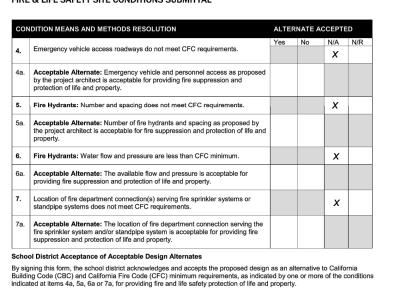
The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan. For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for

	DJECT INFORMATION								
1	ool District/Owner:	CLOVIS UNIFIED SCHOOL D	ISTRICT						
)	ject Name/School: VIRGINIA R. BORIS ELEMENTARY SCHOOL								
,	iect Address: 7071 E. CLINTON AVE, FRESNO, CA 93727								
2	E & LIFE SAFETY INFORMATION								
	Has a fire hydrant	flow test been performed within the past 12 months?	Yes 🕱	No □					
	(If yes, provide a	copy of the test data.)							
	Was the fire hydra review?	nt water flow test performed as part of this LFA	Yes □	No 💢					
		ted within a designated fire hazard severity zone shed by Cal-Fire? (If yes, indicate FHSZ classification	Yes □	No 💢					

DEPARTMENT OF GENERAL SERVICES

Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the WIFA

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL



LFA Review Official:

DGS DSA 810 (revised 12/29/20) Page 2 of 4
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA





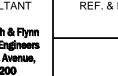
Know what's **below**. **Call before you dig.**

WATCH FOR OVERHEAD POWER LINES









CLOVIS UNIFIED SCHOOL DISTRICT

FIRE ACCESS PLAN

PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL CONST. DOCUMENTS

DR. BY: DG
CH. BY: LRB
DATE: 04/28/2022
SCALE AS NOTED

DG
LRB
C102B

<u>OLITEI ()</u>	<u>IL TOPOGRAPHIC SURVE</u>	I LLOLIND.								
(NOT ALL SYMB	OLS SHOWN APPEAR ON THE PLANS)	POS	POINT ON SLOPE	□ COPB	COMMUNICATION PULLBOX	。 4"SLE	PIPE SLEEVE; DIAMETER AS SHOWN	W	— WATER LINE; SIZE AS NOTED	RIGHT-OF-WAY CENTER L
AB	ABUTMENT	RCP	REINFORCED CONCRETE	□ <i>CVA</i>	COMMUNICATION VAULT	>—	SLOPE	———— AG <u>12"</u>	AGRICULTURAL IRRIGATION LINE; SIZE AS	— — SETBACK LINE
AC	ASPHALTIC CONCRETE	RIEL	RIPARIAN EDGE OF LAKE	<u></u>	SURVEY CONTROL MONUMENT	\square SLPB	STREET LIGHT PULLBOX	——— AG —	NOTED	
ACE	ASPHALTIC CONCRETE EDGE	RIEP	RIPARIAN EDGE OF POND	o DF	DRINKING FOUNTAIN	∘ 4"SLV	PIPE SLEEVE; DIAMETER AS SHOWN	——————————————————————————————————————	— AIR LINE; SIZE AS NOTED	
AD	ASPHALTIC CONCRETE DIKE	RIES	RIPARIAN EDGE OF STREAM	o DS	DOORSTOP	S	SEWER MANHOLE	c	— COMMUNICATION LINE	
AWT	ALL-WEATHER TRACK	RIEW	RIPARIAN EDGE OF WETLAND	O <i>DW</i>	DRYWELL	⊜ sp	SERVICE POLE	350	— MAJOR GRADE CONTOUR LINE	
BD	BRIDGE DECK	RIFL	RIPARIAN FLOWLINE	∘ <i>EG</i>	ELECTRICAL GROUND	□SPB	SIGNAL PULLBOX	<i>345</i>	— MINOR GRADE CONTOUR LINE	
BFC	BOTTOM FACE OF CURB	RIMC	RIPARIAN MISC.	∘ <i>ELC</i>	ELECTRICAL CONDUIT	*	SPRINKLER	CW	— CHILLED WATER LINE; SIZE AS NOTED	
BGST	STEPS	RIP	RIP-RAP SLOPE PROTECTION	E	ELECTRICAL METER	o 4" SPO	STEEL POST; DIAMETER AS SHOWN	2"	OUTLIED WATER RETURN IN TO RETURN AND ADDRESS	
BGTR	TOP OF ROOF	RK	ROCK	□ <i>EPB</i>	ELECTRICAL PULLBOX	o <i>12"SS</i>	SAND SEPARATOR; SIZE AS NOTED		 CHILLED WATER RETURN LINE; SIZE AS NOTED 	
BGV	BUILDING VENTS	RW	RETAINING WALL	E	ELECTRICAL VAULT LID	○ 24"STP	STAND PIPE; DIAMETER AS NOTED	CWS ^{2"}	CHILLED WATER SUPPLY LINE; SIZE AS NOTED	
BOD	BOTTOM OF DITCH	SB	SPEED BUMP	∘ <i>ETS</i>	GAS ELECTRONIC TESTING STATION	⊘ 12"STUMP	TREE STUMP; DIAMETER AS SHOWN		— LIMIT OF DIRT	
BR	BARRICADE	SDCD	STORM DRAIN CROSS DRAIN	otin FDC	FIRE DEPARTMENT CONNECTION	○ MW	SURVEY MONUMENT WELL		— LIMIT OF TURF	
BRK	BRICK	SDFL	STORM DRAIN FLOWLINE	¢	FIRE HYDRANT	∘ <i>4"TEL</i>	TELEPHONE; DIAMETER AS SHOWN	DL	— DRAIN LINE; SIZE AS NOTED	
BW	BARRIER WALL	SDGR	STORM DRAIN GRATE	∘ <i>FP</i>	FENCE POST	1	TELEPHONE MANHOLE	EMS	— EMERGENCY MANAGEMENT SYSTEM	
СВ	CATCH BASIN	SDMG	STORM DRAIN MANHOLE W/ GRATE	o FLP	FLAG POLE	○ <i>TN</i>	TENNIS NET POLE		— FIRE ALARM LINE	
CDA	CONCRETE DRIVE APPROACH	SSFL	SEWER FLOWLINE	∘ <i>GAS</i>	GAS LINE; DIAMETER AS SHOWN	Ø TP	TELEPHONE POLE		— FIRE LINE; SIZE AS NOTED	
CE	CONCRETE EDGE	SDTH	STORM DRAIN TRENCH	☐ <i>GR</i>	GAS REGULATOR	□ <i>TPB</i>	TELEPHONE PULLBOX			
CMP	CORRUGATED METAL PIPE	SSGT	STORM DRAIN GREASE TRAP	<i>GAV</i> ≫	IRRIGATION GATE VALVE	□ <i>TVPB</i>	TELEVISION PULLBOX		— FIBER OPTIC LINE	
CON	CONCRETE	SSST	SEWER TANK (SEPTIC)	G	GAS METER			=======	= DRAIN TUBE	
СОТН	COMMUNICATION TRENCH	SSTH	SEWER TRENCH	○ <i>GOP</i>	GOAL POST	6,	TREE; SPREAD SHOWN GRAPHICALLY AND TRUNK DIAMETER AS SHOWN	———HW <u>2"</u>	— HOT WATER LINE; SIZE AS NOTED	
CR	CROWN OF ROAD	SWK	SIDEWALK	<i>○ GP</i>	GUY POLE			HWR ^{2"}	— HOT WATER RETURN LINE; SIZE AS NOTED	
CRQ	QUARTER CROWN	SWL	SWALE	∘ <i>4"GR</i>	GRATE; DIAMETER AS SHOWN		PALM TREE; SPREAD SHOWN GRAPHICALLY	HWS ^{2"}	— HOT WATER SUPPLY LINE; SIZE AS NOTED	
CS	CONCRETE SLAB	Τ	TURF	∘ <i>GS</i>	GATE STOP	ATT WE			,	
CULV	CULVERT	TBC	TOP BACK OF CURB	∘ <i>GSR</i>	GAS RISER	□ TSB	TELEPHONE SPLICE BOX		— HYDRAULIC LINE	
CW	CONCRETE WALL	TBW	TOP BACK OF WALK	⊕ <i>gv</i>	GAS VALVE	∘	TRAFFIC SIGNAL POLE	——— ID <u>18"</u>	 IRRIGATION DISTRICT; SIZE AS NOTED 	
DD	DOWN DRAIN	TF	TOP OF FOOTING	∘ <i>GRD</i>	GROUNDING ROD	□ TSPB	TRAFFIC SIGNAL PULLBOX		— IRON FENCE	
DFL	DITCH FLOWLINE	TFC	TOP FACE OF CURB	€ GUY	GUY WIRE			IRR 3"	 IRRIGATION MAIN LINE; SIZE AS NOTED 	
DWY	DRIVEWAY	TFW	TOP FACE OF WALK	∘ <i>HB</i>	HOSE BIBB	∑ UP	UTILITY POLE		— IRRIGATION LATERAL LINE; SIZE AS NOTED	
ECTH	ELECTRICAL TRENCH	TLTH	TELEPHONE TRENCH	∘ <i>HR</i>	HANDRAIL	∘ <i>VB</i>	VACUUM BREAKER			
EDR	EDGE OF DIRT ROAD	ТОВ	TOP OF BANK	□ <i>ICB</i>	IRRIGATION CONTROLLER	0 <i>VN</i>	VOLLEYBALL NET POST		INTELLIGENT TRAFFIC SYSTEM	
EGR	EDGE OF GRAVEL ROAD	TOE	TOE OF SLOPE	①	IRRIGATION DISTRICT MANHOLE	∘ 2"VP	VENT PIPE; DIAMETER AS SHOWN		JOINTLY TRENCHED UTILITIES	
EOD	EDGE OF OILED DIRT	TOP	TOP OF SLOPE			○ WELL	WELL		OVERHEAD COMMUNICATIONS LINE	
EP	EDGE OF PAVEMENT	TRDO	TRUNCATED DOMES	/VA	IRRIGATION REMOTE CONTROL VALVE	w	WATER METER	——— OE ———	OVERHEAD ELECTRIC LINE	
ES	EDGE OF SHOULDER	TVTH	TV TRENCH	/SB ⋈	IRRIGATION SPLICE BOX	⊗ WP	WELL PUMP		OVERHEAD ELECTRIC AND COMMUNICATION LINE	
ET	EDGE OF TRAVELED WAY	TW	TOP OF WALL	□ <i>IHB</i>	IN-GROUND HOSE BIBB	o 6"WPO	CIRCULAR WOOD POST; DIAMETER AS SHOWN	OET	OVERHEAD ELECTRIC AND TELEPHONE LINE	
FF	FINISH FLOOR	UTH	UNIDENTIFIED TRENCH/SCAR LINE	。 <i>IP</i>	IRON PIPE	□ 4"X4"WPO	SQUARE WOOD POST; SIZE AS SHOWN	OETV	OVERHEAD ELECTRIC AND TELEVISION LINE	
FOTH	FIBER OPTIC TRENCH	VGFL	VALLEY GUTTER FLOWLINE	∅ JP	JOINT UTILITY POLE	o 4"W	WATER LINE; DIAMETER AS SHOWN	OETVT	OVERHEAD ELECTRIC, TELEVISION AND	
GB	GRADE BREAK	VGR	VALLEY GUTTER	-CLP	LIGHT POLE	\oplus wv	WATER VALVE		TELEPHONE LINE	
GFL	GUTTER FLOWLINE	WALBA	BARRIER WALL	⊠ MB	MAIL BOX		ASPHALT PAVEMENT		OVERHEAD TRAFFIC SIGNAL LINE	
GRA	GRAVEL SPOT SHOT	WALBW	BLOCK WALL	MH	MANHOLE				OVERHEAD TELEVISION LINE	
GRAE	EDGE OF GRAVEL	WALCW	CONCRETE WALL	<i>M</i> /	MANUAL IRRIGATION VALVE		CONCRETE BLOCK WALL		— OVERHEAD UTILITY LINE	
GSTH	GAS TRENCH	WALHW	HEAD WALL		PULLBOX	V/////	BUILDING	PP	— PETROLEUM LINE; SIZE AS NOTED	
HDR	WOOD HEADER	WALRW	RETAINING WALL	<u></u> PIV	POST INDICATOR VALVE		CONCRETE		RECYCLED WATER IRRIGATION LINE; SIZE AS NOTED	
	HEAD WALL	WALWW	WING WALL	O		<u> </u>	_		NOTED	

UTILITY STUB

POWER POLE

ROOF DRAIN

SIGN

ROOF SUPPORT

STREET LIGHT

STADIUM LIGHT POLE

STORM DRAIN MANHOLE

SIGNAL LIGHT PUSH BUTTON

PARKING METER

POST; DIAMETER AS SHOWN

QUICK COUPLER VALVE

ROOF DRAIN UNDERGROUND

PVC PIPE; DIAMETER AS SHOWN

WELL PAD

WING WALL

WHEELCHAIR RAMP

EXISTING ELEVATION

BACKFLOW ASSEMBLY

BASKETBALL GOAL

BLOW-OFF VALVE

BOLLARD

CLEANOUT

BM=BENCHMARK; OR SBM=SITE BENCHMARK

WATER TRENCH

ACCENT LIGHT

ALFALFA VALVE

HEAD WALL

LIP OF GUTTER

GROUND COVER

DECOMPOSED GRANITE EDGE

DECOMPOSED GRANITE

GOLF COURSE FAIRWAY

GOLF COURSE GREEN

GOLF COURSE TEE

SLOPE PROTECTION

GOLF COURSE SAND TRAP

NON-POTABLE TRENCH

PROPANE GAS TRENCH

K-RAIL



DETECTABLE WARNINGS

DG OR GRAVEL

○───── CHAIN LINK FENCE

----- WOOD FENCE

= CHAIN LINK ROLL GATE

— - - - — DIRECTION OF FLOW

-----E----- UNDERGROUND ELECTRIC

——— GAS LINE; SIZE AS NOTED

-----OT-----OVERHEAD TELEPHONE

——— SD 18" STORM DRAIN LINE; SIZE AS NOTED

——— s ____s ___ SEWER LINE; SIZE AS NOTED

-----T----UNDERGROUND TELEPHONE

----- EDGE OF ASPHALT PAVEMENT



SEWER AND STORM DRAIN LINE; SIZE AS

———SFM $\frac{6''}{}$ SEWER FORCE MAIN; SIZE AS NOTED

_____ST 2" STEAM LINE; SIZE AS NOTED

TRAFFIC FIBER OPTIC LINE

-----TS ----- TRAFFIC SIGNAL LINE

-----UNK-UNKNOWN UTILITY LINE

-----TV ------ TELEVISION LINE

— × WIRE FENCE

CITY LIMIT

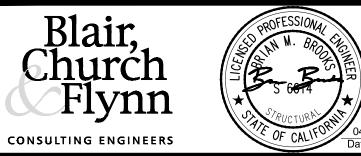
— — — — EASEMENT 1

— — EASEMENT 2

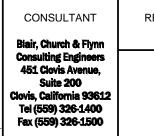
RIGHT-OF-WAY LINE

———— PROPERTY LINE









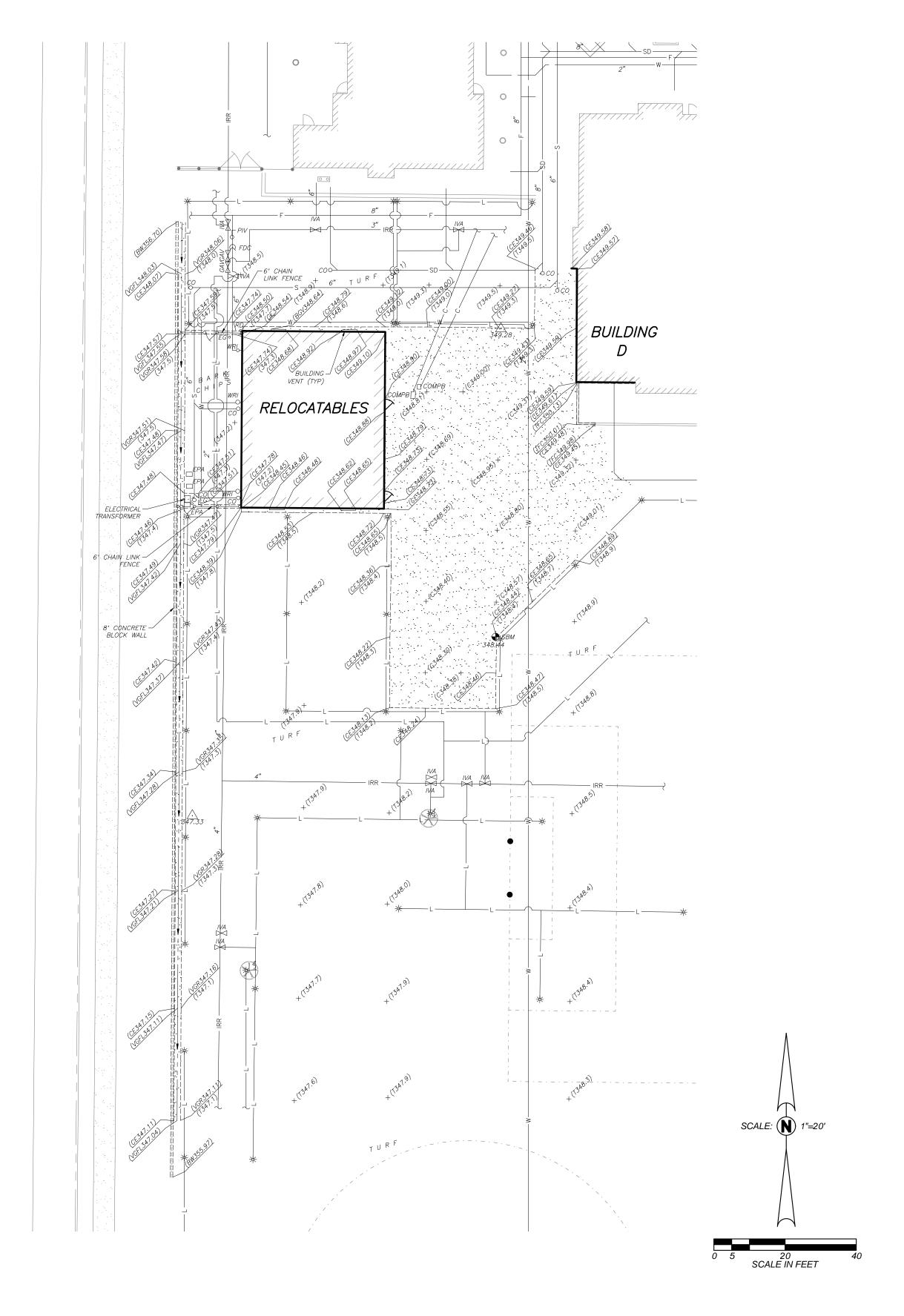




CONST. DOCUMENTS

FOR DSA USE ONLY

DSA APP # 02-120132



FOR DSA USE ONLY

DSA APP # 02-120132

SURVEY NOTES:

- 1. THIS TOPOGRAPHIC SURVEY LOCATES SPECIFIC PHYSICAL FEATURES OF THE SITE AND THEIR ELEVATION AS DETERMINED NECESSARY BY THE PROJECT ENGINEER. IT IS NOT A COMPLETE TOPOGRAPHIC SURVEY OF THE SITE. THE INFORMATION SHOWN REFLECTS THE DATA OBTAINED BY FIELD SURVEY CONDUCTED ON 02/21/2022.
- 2. UTILITY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION SUPPLIED TO THE ENGINEER BY UTILITY COMPANIES, PUBLIC AGENCIES AND THE PROPERTY OWNER, TOGETHER WITH OBSERVATION OF VISIBLE EVIDENCE BY A FIELD SURVEY. THE ENGINEER CAN MAKE NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF THE UNDERGROUND UTILITY FACILITIES SHOWN. PRIOR TO ANY SITE EXCAVATIONS, THE CONTRACTOR SHALL CONTACT THE OWNER AND UNDERGROUND SERVICE ALERT (USA) AND REQUEST THAT THEY IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AT THE SITE.

SITE BENCHMARK:

CHISELED "X" ON CONCRETE WALK APPROXIMATELY 48 +/- FEET SOUTHEASTERLY FROM THE SOUTHEAST CORNER OF THE RELOCATABLES.

ELEV.= 348.44' NAVD88 DATUM













PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL
TOPOGRAPHIC SURVEY

CLOVIS UNIFIED SCHOOL DISTRICT

CONST. DOCUMENTS

C104B

BUILDING BUILDING — VENT (TYP) RELOCATABLES

DSA APP # 02-120132

FOR DSA USE ONLY

DEMOLITION LEGEND:

REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS UNLESS OTHERWISE NOTED ON THE PLAN. THE REMOVAL OF IMPROVEMENTS MUST BE COORDINATED WITH ALL PLAN SHEETS. CONTRACTOR MUST ALSO COORDINATE REMOVAL OF IMPROVEMENTS WITH UTILITY AGENCIES. PROTECT ALL IMPROVEMENTS NOT DESIGNATED FOR REMOVAL. SEE NOTE 1

LIMITS OF VEGETATION REMOVAL. 4" MINIMUM

LIMITS OF CONCRETE IMPROVEMENT REMOVAL PROTECT BUILDING TO REMAIN

PROTECT CONCRETE IMPROVEMENTS TO REMAIN

PROTECT CHAIN LINK FENCE TO REMAIN

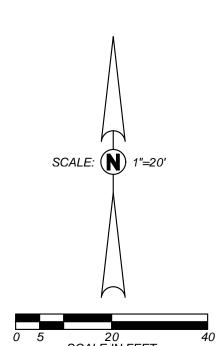
PROTECT CONCRETE VALLEY GUTTER TO REMAIN PROTECT EXISTING IRRIGATION HEAD TO REMAIN

REMOVE AND SALVAGE EXISTING IRRIGATION HEAD AND RETURN TO DISTRICT

////// IRRIGATION LATERAL LINE ABANDONMENT

GENERAL DEMOLITION NOTES:

- 1. THE "LIMIT OF DEMOLITION" SHOWN IS APPROXIMATE AND IS GENERALLY CONSIDERED TO BE THE MINIMUM REMOVAL REQUIREMENTS. CONTRACTOR MUST COORDINATE AS NOTED IN THE LEGEND.
- CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEMOLISHED MATERIALS OFF SITE.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY IMPROVEMENTS NOT SPECIFICALLY DESIGNATED FOR
- 4. THE ON-SITE UNDERGROUND UTILITIES SHOWN ON THIS SHEET ARE AT APPROXIMATE LOCATIONS. THE EXTENT, LOCATIONS AND SIZES ARE UNKNOWN. THE CONTRACTOR SHALL POTHOLE TO LOCATE AND VERIFY THE UNDERGROUND UTILITY LINES PRIOR TO REMOVAL.
- CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ANY FOUND SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A CALIFORNIA LICENSED SURVEYOR AND THE APPROPRIATE PAPERWORK FILED WITH THE CITY OR COUNTY, AT CONTRACTOR'S EXPENSE.
- ALL HAZARDOUS MATERIALS ENCOUNTERED DURING SITE DEMOLITION SHALL BE REMEDIATED AND DISPOSED OF PER STATE AND EPA REQUIREMENTS.
- CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL UTILITY AGENCIES PRIOR TO THE START OF ANY DEMOLITION OR CONSTRUCTION.
- 8. ANY EXISTING UTILITIES AND/OR IMPROVEMENTS WHICH ARE TO REMAIN, THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AND AGENCY HAVING AUTHORITY, AT THE CONTRACTOR'S SOLE EXPENSE.
- 9. REMOVE EXISTING IMPROVEMENTS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS SHOWN ON THESE PLANS. a) FOR CONCRETE REMOVAL, REMOVE TO THE NEXT
 - NEAREST TOOLED JOINT OR EXPANSION JOINT OF IMPROVEMENTS DESIGNATED TO REMAIN.
- 10. COMPLIANCE WITH FIRE SAFETY DURING CONSTRUCTION WILL BE ENFORCED.
- 11. SEE IRRIGATION AND ELECTRICAL PLANS FOR ADDITIONAL DEMOLITION.

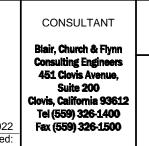












REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL

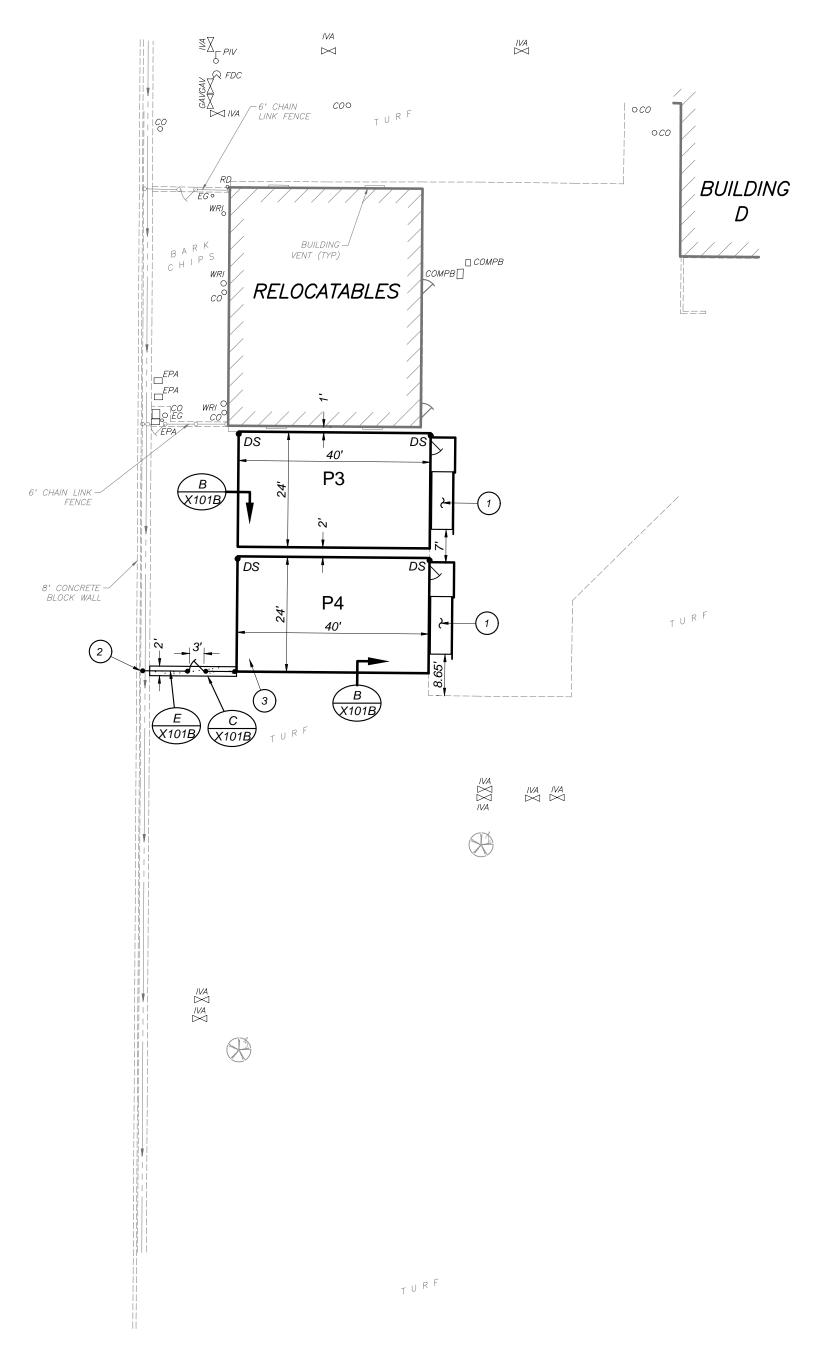
DEMOLITION PLAN

CONST. DOCUMENTS

C201B

FOR DSA USE ONLY

DSA APP # 02-120132



SITE LEGEND:

LIMITS OF CONCRETE IMPROVEMENTS DOWNSPOUT; SEE PORTABLE PLANS

ACCESS RAMP; SEE PORTABLE PLANS

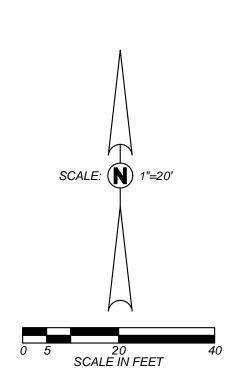
WELD 6"X6"X1/4" GALV. PLATE TO BOTTOM OF FENCE POST AND MOUNT ON VALLEY GUTTER USING FOUR (4) 3/8"X3" HILTI KWIK BOLT TZ WEDGE ANCHORS OR APPROVED EQUAL PER DETAIL [A/X101B]

REFER TO DSA APP. NO. 04-119396 FOR FOOTING

GENERAL SITE NOTES:

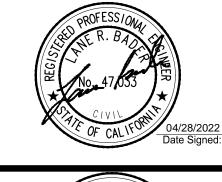
- 1. ALL CONCRETE MOWSTRIPS SHALL HAVE WEAKENED PLANE JOINTS AT 10 FEET MAXIMUM ON CENTER AND EXPANSION JOINTS AT 30 FEET MAXIMUM ON CENTER.
- 2. NO CONCRETE MAY BE POURED UNTIL THE FORMS HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT INSPECTOR.
- 3. ALL BURIED METALLIC OBJECTS SHALL HAVE A PROTECTIVE COATING OR BE WRAPPED WITH APPROVED PROTECTIVE WRAP.
- 4. ADJUST EXISTING SPRINKLER HEADS AND LATERAL LINES AS REQUIRED BY NEW IMPROVEMENTS, OR AS SHOWN ON THE IRRIGATION PLANS.
- 5. 2 WORKING DAYS BEFORE COMMENCING EXCAVATION OPERATIONS WITHIN THE STREET RIGHT-OF-WAY AND/OR UTILITY EASEMENTS, ALL EXISTING UNDERGROUND FACILITIES SHALL HAVE BEEN LOCATED BY UNDERGROUND SERVICES
- 6. ANY SURVEY MONUMENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR RESET BY A PERSON LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. REPLACEMENT TO BE AT CONTRACTOR'S SOLE

ALERT (USA). CALL 1-800-642-2444













CONSULTANT	
Blair, Church & Flynn Consulting Engineers	
451 Clovis Avenue, Suite 200	
Clovis, California 93612	
Tel (559) 326-1400	

REF. & REV.

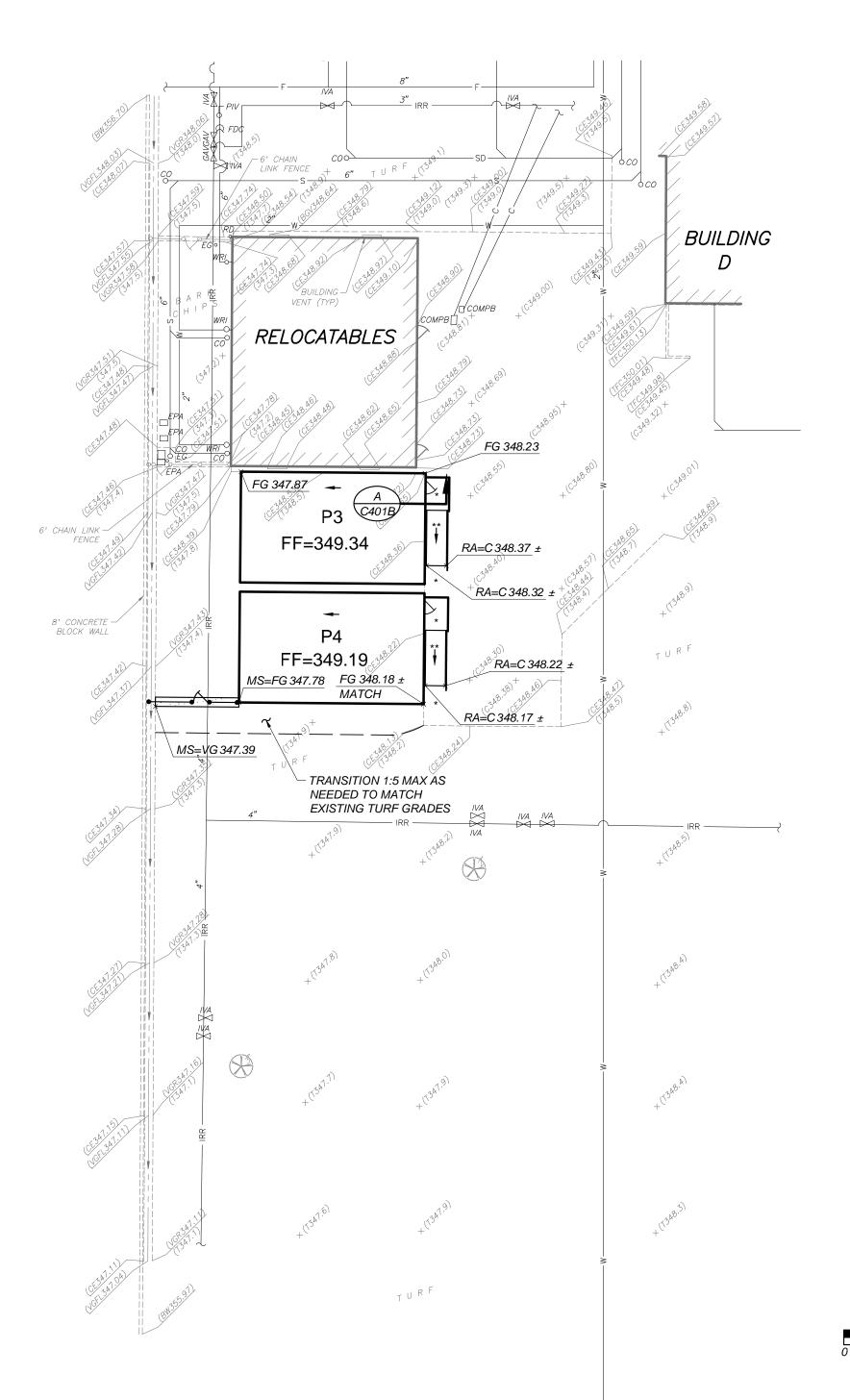
CLOVIS UNIFIED SCHOOL DISTRICT PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL
SITE PLAN

CONST. DOCUMENTS

C301B

FOR DSA USE ONLY

DSA APP # 02-120132



GRADING AND DRAINAGE LEGEND:

CONCRETE

FINISHED FLOOR

MOWSTRIP

RAMP

VALLEY GUTTER

EXISTING ELEVATION

NEW FINISHED GRADE

— — — GRADING LIMITS

ANY DIRECTION

DIRECTION OF SURFACE DRAINAGE

LEVEL LANDING NOT TO EXCEED 2% SLOPE IN

RAMP NOT TO EXCEED 8.33% LONGITUDINAL SLOPE NOR 2% IN CROSS-SLOPE

GENERAL GRADING AND DRAINAGE NOTES:

THE REQUIREMENTS AND INFORMATION SET OUT BELOW ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE AND DO NOT ENCOMPASS ALL PROJECT REQUIREMENTS DESCRIBED BY THE PROJECT PLANS AND SPECIFICATIONS AND/OR APPLICABLE LAWS, REGULATIONS AND/OR BUILDING CODES.

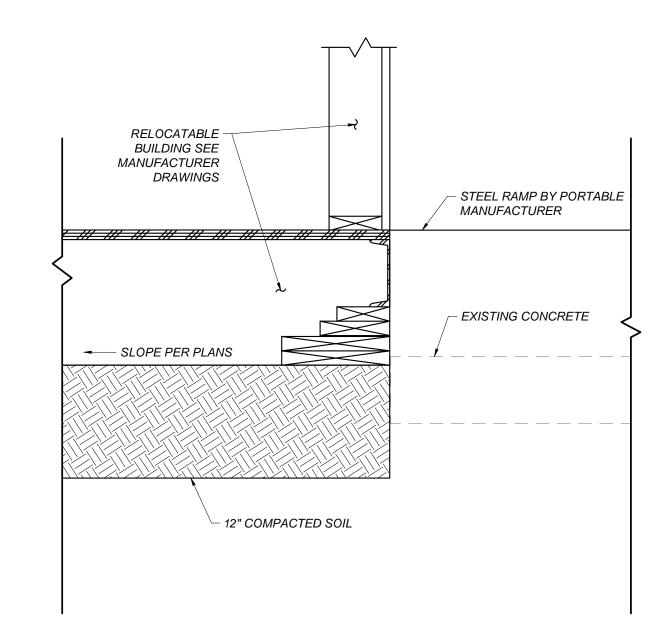
- 1. CONSTRUCTION OF ALL PROJECT SITE IMPROVEMENTS SUBJECT TO ADA ACCESS COMPLIANCE, INCLUDING ACCESSIBLE PATH OF TRAVEL, CURB RETURNS, PARKING STALL(S) AND UNLOADING AREAS, BARRIER FREE AMENITIES AND/OR OTHER APPLICABLE SITE IMPROVEMENTS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT, CALIFORNIA TITLE 24, THE CALIFORNIA BUILDING CODE, CURRENT EDITION(S).
- CONTRACTOR SHALL FIELD VERIFY ALL GRADES AND SLOPES PRIOR TO THE PLACEMENT OF CONCRETE AND/OR PAVEMENT FOR CONFORMANCE WITH ADA ACCESS COMPLIANCE REQUIREMENTS. EXAMPLES OF MINIMUM AND MAXIMUM LIMITS RELATED TO ADA ACCESS COMPLIANCE INCLUDE, BUT ARE NOT LIMITED
- a) ACCESSIBLE PATH OF TRAVEL CROSS-SLOPE SHALL NOT EXCEED 2%
- b) ACCESSIBLE PATH OF TRAVEL LONGITUDINAL SLOPES SHALL NOT EXCEED 5%
- d) ACCESSIBLE WALKS SHALL NOT HAVE LESS THAN 48 INCHES IN

c) RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 8.33%

UNOBSTRUCTED WIDTH

SLOPE IN ANY DIRECTION

- e) ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2%
- f) LANDINGS AT THE TOP AND BOTTOM OF ACCESSIBLE RAMPS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION
- g) GUTTERS AND ROAD SURFACES DIRECTLY ADJACENT TO AND WITHIN 2 FEET OF A CURB RAMP SHALL HAVE A COUNTER SLOPE NOT TO EXCEED 5%
- 3. CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IDENTIFIED BY THE PROFESSIONAL ENGINEERING SEAL AND SIGNATURE ON THESE PLANS, OF ANY SITE CONDITION(S) AND/OR DESIGN INFORMATION THAT PREVENTS THE CONTRACTOR FROM COMPLYING WITH THE LAWS, REGULATIONS AND/OR BUILDING CODES GOVERNING ADA ACCESS COMPLIANCE.
- 4. GROUND SLOPES AWAY FROM BUILDING PADS IN LANDSCAPED OR DIRT AREAS SHALL BE NO LESS THAN 5% FOR AT LEAST TEN (10) FEET. OR AS OTHERWISE NOTED ON THE PLANS.
- 5. DRAINAGE SHALL NOT BE ALLOWED ONTO ADJACENT PROPERTY.
- 6. ALL FILL MATERIAL USED TO SUPPORT THE FOUNDATIONS OF ANY BUILDING OR STRUCTURE SHALL BE PLACED UNDER THE DIRECTION OF A LICENSED GEOTECHNICAL ENGINEER, AND IN COMPLIANCE WITH THE PROJECT SPECIFICATIONS. A SOILS COMPACTION REPORT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AS REQUIRED BY THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS REQUIRED BY THE PROJECT SPECIFICATIONS, AND BY GOVERNING PUBLIC AGENCIES.
- 8. THE CONTRACTOR SHALL IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE PROJECT SPECIFICATIONS AND THE STATE WATER RESOURCES CONTROL BOARD'S CONSTRUCTION GENERAL PERMIT. IMPLEMENT BEST MANAGEMENT PRACTICES WITHIN PUBLIC RIGHT OF WAY PER LOCAL JURISDICTION REQUIREMENTS.
- 9. AS A FIRST ORDER OF WORK, THE CONTRACTOR SHALL POT HOLE THE EXISTING UTILITY LINES AT THE POINT OF CONNECTION TO VERIFY THE LOCATION, SIZE, PIPE MATERIAL AND ELEVATION SO THAT THE ENGINEER CAN MAKE ELEVATION AND/OR ALIGNMENT ADJUSTMENTS IF NECESSARY. SHOULD POT HOLING DISCOVER ANY DISCREPANCIES, CONTACT THE ENGINEER AND OBTAIN WRITTEN DIRECTION BEFORE PROCEEDING.
- 10. ADJUST UTILITY LIDS WITHIN NEW CONSTRUCTION AREA TO FINISHED GRADE PER DETAIL [D/X101B]. REPLACE ALL BROKEN LIDS WITH NEW. PROVIDE TRAFFIC RATED LIDS WITHIN VEHICLE LOADING AREAS.
- 12. MINIMUM SLOPE ON IMPERVIOUS SURFACES PERPENDICULAR TO ADJACENT STRUCTURE(S), WITHIN ADA PATH, SHALL BE 1% MINIMUM AND 2% MAXIMUM. WHERE DOOR AND GATE LANDINGS OCCUR THE CROSS SLOPE SHALL BE 2% MAXIMUM IN ALL DIRECTIONS

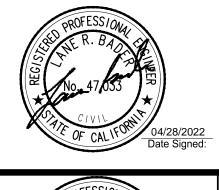


CROSS SECTION

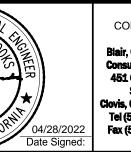


SCALE: (N) 1"=20'











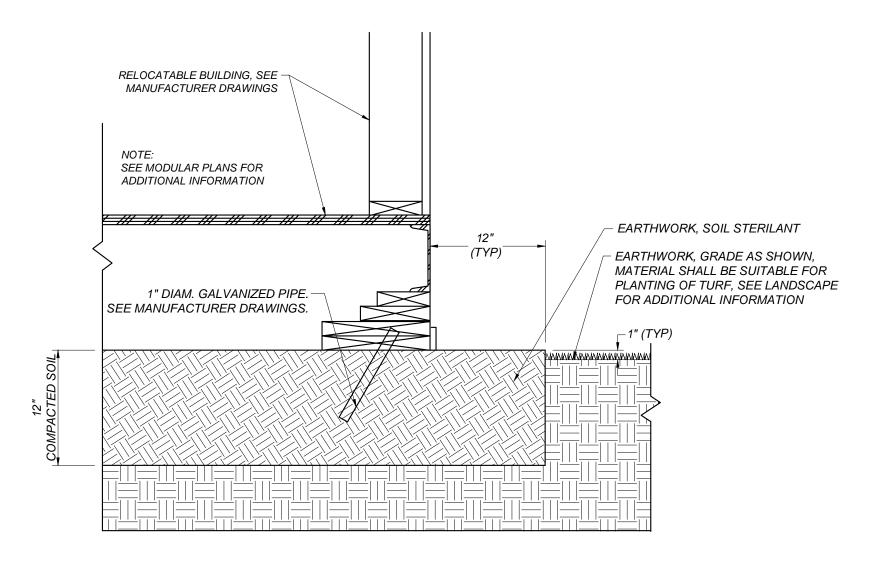
CLOVIS UNIFIED SCHOOL DISTRICT PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL
GRADING AND DRAINAGE PLAN

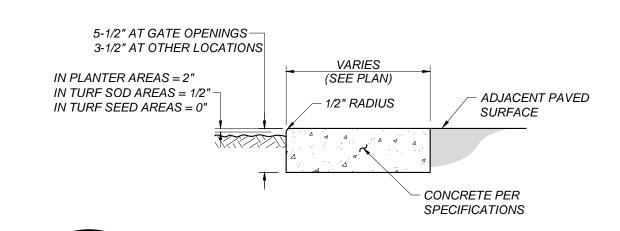
CONST. DOCI

DR. BY: DG
CH. BY: LRB
DATE: 04/28/2022
SCALE AS NOTED

CONST. DOCUMENTS









- FOR UTILITY LID ADJUSTMENT IN

POURED MONOLITHIC WITH

FRAME AND COVER -

POUR CONCRETE -

SMOOTH SURFACE

TO PROVIDE

FOR SETTING

FRAME

TO FINISHED GRADE

TOP OF UTILITY COVER

FINISHED

GRADE

CONCRETE -

CONCRETE AREA, COLLAR SHALL BE

ADJACENT CONCRETE, LEVEL WITH

FOR UTILITY LID ADJUSTMENT IN

REMOVE AND SALVAGE EXISTING

REMOVE GRADE RINGS, RISER OR

REQUIRED TO ACHIEVE CORRECT

FRAME AND COVER. ADD OR

CONE AND RECONSTRUCT

UTILITY STRUCTURE AS

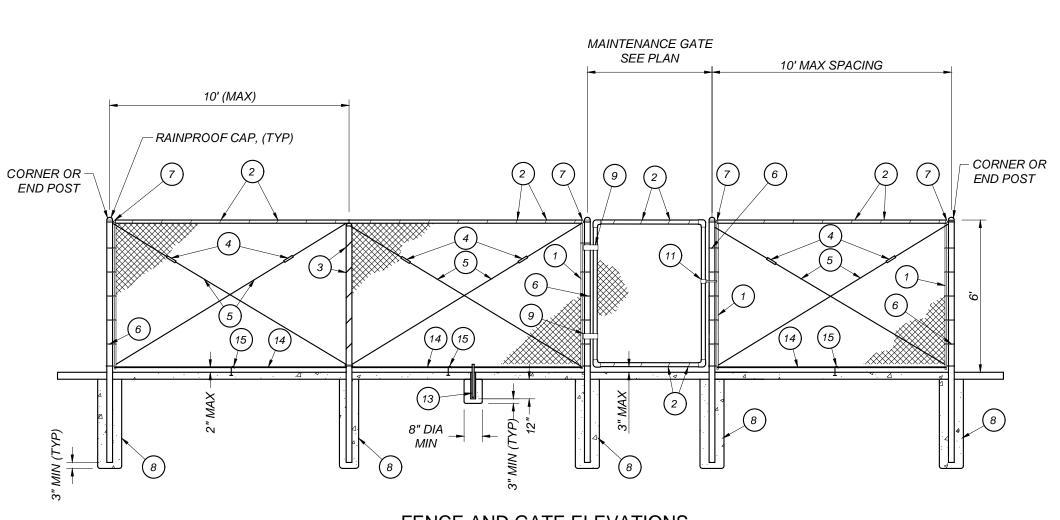
COVER ELEVATION.

TURF OR ASPHALT AREA, COLLAR

SHALL BE CONSTRUCTED LEVEL WITH TOP OF UTILITY COVER.

FINISHED GRADE





6"x6"x1/4" GALV.

STEEL PLATE

FENCE POST MOUNTING

OPEN FABRIC CHAIN LINK FENCE AND

- **GATE LEGEND:**
- (1) 1/8" X 3/4" GALVANIZED STEEL STRETCHER BAR.
- 9 GAUGE (0.148" DIA) GALVANIZED STEEL TIE WIRES OR HOG RINGS AT 15" MAXIMUM SPACING. MINIMUM OF 8 TIE WIRES PER EACH 10' HORIZONTAL RAIL.
- 6 GAUGE (0.192" DIA) GALVANIZED STEEL POST CLIPS AT 14" MAXIMUM SPACING. MINIMUM 5 POST CLIPS FOR EACH 6' POST.
- GALVANIZED ADJUSTABLE TURNBUCKLE FOR 3/8" DIAMETER TRUSS ROD.
- 3/8" DIAMETER GALVANIZED STEEL ADJUSTABLE TRUSS ROD. TRUSS RODS REQUIRED FOR ALL GATE POST PANELS, END OR CORNER POST PANELS.
- 1/8" THICK GALVANIZED STEEL STRETCHER BAR TENSION BAND AT 12" MAXIMUM SPACING. MINIMUM OF 5 TENSION BANDS FOR EACH 6' POST SECTION.
- (7) GALVANIZED RAIL ENDS.
- (8) CONCRETE FOOTING, TYPICAL.
- (9) HEAVY-DUTY MALLEABLE IRON HINGES
- (10) GALVANIZED STEEL PIPE SLEEVE FOR GATE DROP ROD.
- (11) LOCKABLE FORK LATCH
- (12) CENTER GATE DROP POST AND LATCH
- (13) INSTALL GATE HOLDBACK FOR ALL GATES.
- 7 GAUGE (0.180" DIA) GALVANIZED STEEL TENSION WIRE.
- 3/8" x 6" GALVANIZED HOOK BOLT WITH NUT, EMBEDDED IN CONCRETE MOWSTRIP MIDWAY BETWEEN POSTS.

OPEN FABRIC CHAIN LINK FENCE AND GATE

CONCRETE MOWSTRIP

- 1. GATE FRAME SHALL BE 2" O.D. GALVANIZED STEEL (2.72
- 2. FENCE FABRIC SHALL BE 2" X 2" MESH X 9 GAUGE GALVANIZED FENCE FABRIC WITH KNUCKLED TOP AND BOTTOM SELVAGE. FENCE FABRIC TO BE GALVANIZED BEFORE WEAVING (GBW)
- ALL FENCES ADJACENT TO ATHLETIC FIELDS, COURTS, BALLFIELDS, OR RUNNING TRACKS SHALL HAVE 1.66" O.D. BOTTOM RAILS INSTEAD OF TENSION WIRE
- MATCH OWNER'S LOCKSET GATE HARDWARE AND KEYING
- SYSTEM FOR ALL KEYED GATES. WALK GATE POST SIZE LIMITED TO 6 FOOT WIDTH OR LESS.
- SEE DRIVE GATE SIZING FOR LARGER LEAF WIDTHS. DOUBLE TRUSS RODS ARE REQUIRED IN PANELS ADJACENT
- TO GATE POSTS AND AT ALL FENCE CORNERS AND END 7. ALL GATE CORNERS AND SUPPORT POINTS SHALL BE
- FASTENED TOGETHER AND REINFORCED WITH MALLEABLE IRON FITTINGS DESIGNED FOR THAT PURPOSE. WELDED CONNECTIONS WILL NOT BE ALLOWED.
- 8. TACK WELD ALL GATE HINGES AND LATCH COLLARS TO POST.
- ALL AREAS AFFECTED BY WELDING, TRIMMED ENDS OF BOLTS, STRETCHER BARS, TRUSS RODS OR ANY EXPOSED STEEL SHALL BE PAINTED (GALVANIZED) PER CONTRACT SPECIFICATIONS.
- 10. CONTRACTOR TO PROVIDE AND INSTALL GATE HOLDBACK FOR EACH GATE. HOLDBACK TO BE INSTALLED IN FENCE MOWSTRIP UNLESS OTHERWISE NOTED.

CHAIN LINK FENCE SIZING SCHEDULE - OPEN FABRIC														
	END, A		ANGLE, CORNER I	POSTS	STS LII		LINE POSTS		SINGLE LEAF MAN GATE POSTS		DOUBLE GATE POSTS			COMMENT
	FENCE HEIGHT	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	1.66" O.D. TOP
	6'	2-7/8" O.D.	12"	4'-0"	2-3/8" O.D.	12"	3'-3"	2-7/8" O.D.	12"	4'-0"	6" O.D.	15"	5'-0"	RAIL, SCHEDULE 40

CONSULTING ENGINEERS

CONSULTANT Blair, Church & Flynn Consulting Engineers 451 Clovis Avenue, Clovis, California 93612 Tel (559) 326-1400 Fax (559) 326-1500

CLOVIS UNIFIED SCHOOL DISTRICT REF. & REV.

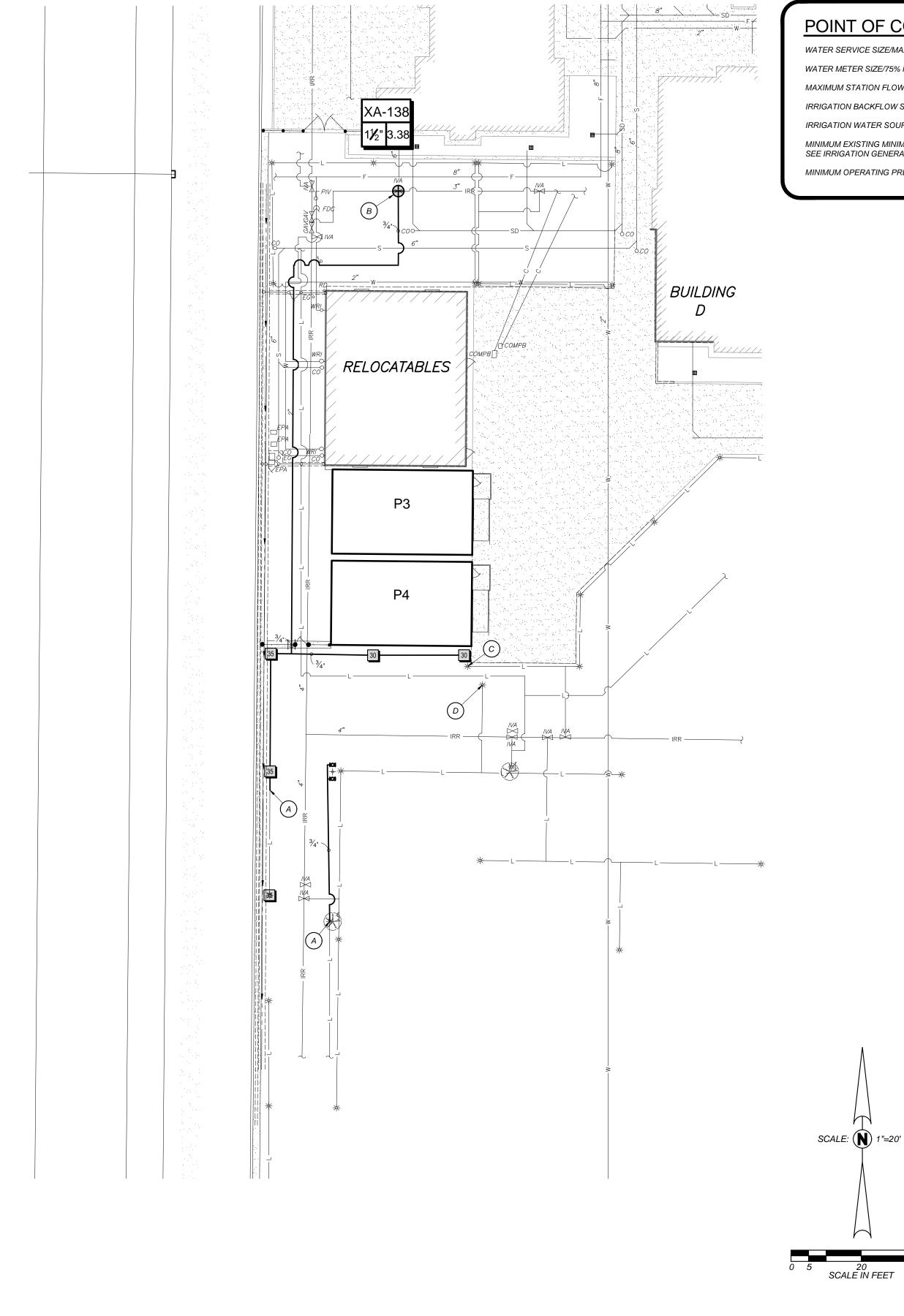
PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL CONST. DOCUMENTS **DETAILS**

DR. BY: DG
CH. BY: LRB
DATE: 04/28/2022
SCALE AS NOTED

CORNER OR -FENCE AND GATE ELEVATIONS

CHAIN LINK FENCE AND GATES

FENCE POST



POINT OF CONNECTION

WATER SERVICE SIZE/MAX FLOW: CONTRACTOR SHALL VERIFY WATER METER SIZE/75% MAX FLOW: CONTRACTOR SHALL VERIFY MAXIMUM STATION FLOW: 12.6 GPM

IRRIGATION BACKFLOW SIZE: 6"

IRRIGATION WATER SOURCE: CITY OF CLOVIS

MINIMUM EXISTING MINIMUM STATIC PRESSURE H/L: 50 H/30 L PSI SEE IRRIGATION GENERAL NOTE #3

MINIMUM OPERATING PRESSURE: 30 PSI BUBBLERS 65 PSI ROTORS

CONTRACTOR SPECIAL IRRIGATION NOTES:

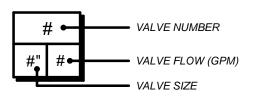
- 1. THE CONTRACTOR SHALL PERFORM AN OPERATIONAL ASSESSMENT OF THE EXISTING IRRIGATION SYSTEM WITHIN THE AREA OF WORK WITH THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
- 2. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING PLANTING SCHEDULED TO REMAIN SHALL CONTINUE TO BE IRRIGATED THROUGHOUT THE COURSE OF CONSTRUCTION OPERATIONS. ANY DAMAGE TO THE EXISTING IRRIGATION SYSTEM THAT IMPACTS EXISTING PLANTING TO REMAIN SHALL BE IMMEDIATELY REPAIRED TO THE OWNER'S SATISFACTION.
- 3. PRIOR TO THE START OF ANY SHRUB, GROUND COVER, AND/OR TURFGRASS PLANTING, AN OPERATIONAL REVIEW OF THE IRRIGATION SYSTEM SHALL BE PERFORMED FOR PROPER COVERAGE AND SOIL MOISTURE DEPTH BY THE OWNER'S REPRESENTATIVE. ALL CORRECTIONS AND/OR ADJUSTMENTS SHALL BE COMPLETED AND VERIFIED BY THE OWNER'S REPRESENTATIVE BEFORE GROUND LEVEL PLANTING MAY COMMENCE.
- 4. THE ORIGINAL IRRIGATION SYSTEM OBSERVATION LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.
- 5. THE AS-BUILT RECORD DRAWING SET AND OTHER CLOSE-OUT ITEMS SHALL BE SUBMITTED AND ACCEPTED PRIOR TO THE SCHEDULING OF A FINAL ACCEPTANCE REVIEW.
- 6. UNLESS NOTED OTHERWISE, SALVAGE AND RETURN TO THE OWNER ALL IRRIGATION VALVES, HEADS AND OTHER EQUIPMENT COMPONENTS REMOVED AS PART OF THE WORK. SALVAGED COMPONENTS SHALL BE CLEAN AND IN WORKING CONDITION UNLESS NOTED AS NON-OPERATIONAL DURING THE OPERATIONAL ASSESSMENT.

IRRIGATION SYSTEM BID ALLOWANCE

CONTRACTOR SHALL INCLUDE A BID ALLOWANCE IN THE AMOUNT OF \$1,000 FOR THE REPLACEMENT OF EXISTING OR THE INSTALLATION OF NEW SPRINKLER HEADS, VALVES, PIPING AND OTHER EQUIPMENT AND ACCESSORIES NECESSARY FOR THE PROPER OPERATION OF THE EXISTING SYSTEM WHERE NOT SPECIFICALLY SHOWN ON THE DRAWINGS FOR REPLACEMENT OR NEW INSTALLATION.

IRRIGATION LEGEND:

<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	<u>ARC</u>	<u>PSI</u>	<u>GPM</u>	<u>RADIUS</u>	<u>DETAIL</u>
KOI	RAIN BIRD RWS-B-C 1402		30	0.50		I/L102B
<u>SYMBOL</u>	MANUFACTURER/MODEL		<u>PSI</u>	<u>GPM</u>	<u>RADIUS</u>	<u>DETAIL</u>
30	HUNTER I-20-04-SS-PRB-MPR 30		65		30'	H/L102B
35	HUNTER I-20-04-SS-PRB-MPR 35		65		<i>35</i> ′	H/L102B
<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION					<u>DETAIL</u>
\oplus	EXISTING REMOTE CONTROL VALVE IRRITROL 100P-G					G/L102B
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 SOLVENT WELD, SIZE AS NOTED					C/L102B
	PIPE SLEEVE: PVC SCHEDULE 40 TWICE PIPE SIZE					D/L102B



- PROPOSED TREE, SEE PLANTING PLAN ON SHEET L201B FOR VARIETY AND SIZE
- CONNECT NEW LATERAL LINE TO EXISTING LATERAL
- CONNECT NEW LATERAL LINE TO EXISTING REMOTE CONTROL VALVE THAT IS ABANDONED

(STATION XA-138)

- PROTECT HEADS FOR NEW HARDSCAPE. ADJUST HEADS/NOZZLES FOR NEW IMPROVEMENTS. SEE
- GENERAL IRRIGATION NOTE #17
- PROTECT EXISTING IRRIGATION HEAD. ADJUST HEADS/NOZZLES FOR NEW IMPROVEMENTS. SEE GENERAL IRRIGATION NOTE #17

WATER CONSERVATION COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE CRITERIA OF THE LANDSCAPE WATER CONSERVATION ORDINANCE AND GUIDELINES, AND HAVE APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.



FOR DSA USE ONLY

DSA APP # 02-120132

GENERAL IRRIGATION NOTES:

- 1. ALL ITEMS IN THE LEGEND ARE TO BE FURNISHED AND INSTALLED, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL FURNISH THE ARTICLES, EQUIPMENT, MATERIALS OR PROCESSES SPECIFIED BY NAME. NO SUBSTITUTION WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE DESIGN ENGINEER. (ALL MATERIAL REQUIRED SHALL BE NEW AND OF THE BEST QUALITY AVAILABLE)
- 2. THE DESIGN ENGINEER RESERVES THE RIGHT TO REJECT ANY MATERIAL OR WORK WHICH DOES NOT CONFORM TO THE CONTRACT PLANS AND SPECIFICATIONS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DESIGN
- 3. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL VERIFY THE EXISTING SYSTEM COMPONENTS' LOCATION, SIZES AND ROUTING FOR BACKFLOW PREVENTERS, CONTROLLERS, MAIN AND LATERAL PIPING, VALVES, SPRINKLER HEADS AND CONTROL WIRE: AND SHALL CONFIRM THEIR OPERATIONAL STATUS IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ALSO VERIFY THE AVAILABLE STATIC PRESSURE AT THE POINT-OF-CONNECTION. FAILURE TO NOTIFY THE OWNER'S REPRESENTATIVE BEFORE STARTING WORK OF ANY DEVIATION FROM THE INFORMATION SHOWN ON THE CONTRACT DOCUMENTS, OR NECESSARY REPAIRS TO THE EXISTING SYSTEM, SHALL MAKE THE CONTRACTOR RESPONSIBLE TO PROVIDE, AT HIS OWN EXPENSE, ANY CORRECTIVE WORK OR COMPONENTS NECESSARY FOR A FULLY FUNCTIONAL SYSTEM WITH FULL COVERAGE.
- 4. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND KEEP ANY EXISTING IRRIGATION SYSTEM SCHEDULED TO REMAIN OPERATIONAL AT ALL TIMES DURING THE COURSE OF THIS WORK. THE CONTRACTOR SHALL REPLACE ANY PLANTS DEAD OR DISTRESSED DUE TO THE INTERRUPTION OF EXISTING IRRIGATION SCHEDULES AND SHALL PERFORM ALL WORK NECESSARY TO MAINTAIN THE EXISTING SYSTEM'S OPERATIONAL.
- 5. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT ALL EXISTING UTILITIES. UTILITIES SHOWN ARE FOR THE CONTRACTOR'S AWARENESS AND NO SURVEY HAS BEEN COMPLETE TO VERIFY THE ACCURACY OF THE UTILITIES SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO REPAIR ANY DAMAGED UTILITIES CAUSED BY CONSTRUCTION ACTIVITIES.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL DIMENSIONS SHOWN AND TO ADJUST SAID DIMENSIONS TO FIT SITE CONDITIONS AND ACTUAL EQUIPMENT INSTALLED.
- 7. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION FACILITIES AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.
- 8. THE IRRIGATION PLAN IS DIAGRAMMATIC. ALL PIPING, VALVES, AND HEADS SHALL BE LOCATED IN PLANTING AREAS WHENEVER POSSIBLE.
- 9. THE CONTRACTOR SHALL PROVIDE ADEQUATE SAFETY MEASURES TO WARN AND PROTECT THE PUBLIC, OTHER SITE CONTRACTORS AND HIS WORKERS FROM POSSIBLE INJURY DUE TO HIS CONSTRUCTION EQUIPMENT AND OPERATIONS.
- 10. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, FTC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL HIS WORK, AND PLAN HIS WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC., AS MAY BE REQUIRED TO INSTALL THE PROPOSED FACILITIES AND ACCOMMODATE THE SITE CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE DONE TO PROVIDE A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM. ALL WORK TO BE DONE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, LOCAL CODES AND ORDINANCES.
- 11. VALVES SHALL BE LOCATED IN SHRUB/GROUND COVER AREAS INSTEAD OF IN TURFGRASS AREAS WHENEVER POSSIBLE. VALVES IN ATHLETIC SPORTS FIELDS SHALL BE LOCATED OUTSIDE OF THE FIELD-OF-PLAY TO THE GREATEST EXTENT POSSIBLE.
- 12. THE CONTRACTOR SHALL REPLACE ANY EXISTING PLANTS SCHEDULED TO REMAIN (SEE LANDSCAPE PLANS) THAT ARE DAMAGED BY THIS WORK WITH NEW PLANTS OF THE SAME SPECIES/VARIETY AND SIZE AS THE ORIGINAL.
- 13. ANY EXISTING TURFGRASS REMOVED FOR THIS WORK SHALL BE REPLANTED IF VIABLE, OR NEW SOD OF THE SAME SPECIES/VARIETY INSTALLED. THE UPPER 6 INCHES OF THE COMPACTED TRENCH BACKFILL SHALL BE CONDITIONED PER LANDSCAPE SPECIFICATIONS PRIOR TO SOD INSTALLATION. THE NEW SOD SURFACE SHALL BE FLUSH TO THE ADJACENT TURFGRASS WITHOUT HUMPS OR DEPRESSIONS.
- 14. INSTALL SLEEVES UNDER ALL ASPHALT/CONCRETE IMPROVEMENTS. SLEEVES SHALL BE PVC SCH. 40 PVC OR SDR 35 AND TWICE THE DIAMETER OF THE PIPE UNLESS OTHERWISE NOTED. CONTROL WIRING SHALL BE SLEEVED IN 2" SCH 40 PVC UNLESS OTHERWISE NOTED. MINIMUM DEPTH OF SLEEVES UNDER ALL ASPHALT/CONCRETE IMPROVEMENTS IS 18" BELOW SUBGRADE OR 24" BELOW FINISHED GRADE, WHICHEVER IS GREATER.

IRRIGATION SYSTEM OBSERVATION LOG

- 15. CONTRACTOR SHALL SAWCUT TO EXISTING JOINTS. REMOVE AND REPLACE SURFACING (CONCRETE, ASPHALT) AS NECESSARY TO INSTALL THE IRRIGATION SYSTEM.
- 16. THE CONTRACTOR SHALL PROVIDE AND KEEP AN UP-TO-DATE "RECORD DRAWING" SHOWING ALL CHANGES TO THE ORIGINAL DRAWINGS AND EXACT LOCATIONS OF THE FACILITIES INSTALLED. BEFORE FINAL INSPECTION, THE CONTRACTOR SHALL FURNISH MARKED "RECORD DRAWINGS" TO THE
- 17. THE CONTRACTOR SHALL PROVIDE ADJUSTMENT OF NOZZLE ARC AND RADIUS, INCLUDING ANY ALTERNATE NOZZLE TYPES, NECESSARY TO PROVIDE COMPLETE COVERAGE, TO SUIT ACTUAL SITE CONDITIONS, AND TO MINIMIZE OVERSPRAY ONTO HARDSCAPE, PAVEMENT AND/OR STRUCTURES.
- 18. CONCRETE ANCHORS OR THRUST BLOCKS SHALL BE PROVIDED ON ALL MAIN LINE PIPING. THEY ARE TO BE LOCATED AT ALL ABRUPT CHANGES IN PIPELINE GRADE, CHANGES IN HORIZONTAL ALIGNMENT, REDUCTION IN PIPE SIZES, END OF LINE AND IN-LINE VALVES TO ABSORB ANY AXIAL THRUST OF THE PIPE. THE PIPE MANUFACTURER'S RECOMMENDATIONS FOR THRUST CONTROL SHALL BE FOLLOWED. THRUST BLOCKS MUST BE FORMED AGAINST UNDISTURBED EARTH.
- 19. ALL MAIN LINE AND LATERAL LINE PIPES UNDER PAVEMENT SHALL BE PRESSURE TESTED WITH THE VALVES INSTALLED. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NEEDED. IF ANY LEAKS DEVELOP, THE REPAIRS ARE TO BE MADE AND THE TEST REPEATED UNTIL THE SYSTEM IS PROVEN WATERTIGHT. THE CONTRACTOR IS TO CENTER LOAD THE PIPE AND LEAVE ALL JOINTS EXPOSED FOR INSPECTION. THE PRESSURE TEST SHALL BE OBSERVED AND APPROVED BY THE OWNER'S REPRESENTATIVE. WHEN THE PIPE IS PROVEN WATERTIGHT AND ONLY THEN MAY THE LINE BE BACKFILLED.
- 20. WIRED CONNECTIONS BETWEEN THE CONTROLLER AND REMOTE CONTROL VALVES SHALL BE MADE WITH ONE CONTINUOUS DIRECT BURIAL WIRE RUN. A VALVE BOX MUST BE PROVIDED AT THE CONTRACTOR'S EXPENSE AT ALL UNDERGROUND SPLICES.
- 21. ONLY TEFLON TAPE OR AN APPROVED TEFLON PASTE MAY BE USED AS THE SEALING MATERIAL TO MAKE ALL THREADED CONNECTIONS. A MINIMUM OF TWO (2) WRAPS IN THE DIRECTION OF THE THREADS TO BE USED FOR TAPE. NO OTHER PIPE JOINT MATERIAL WILL BE ALLOWED WITHOUT THE WRITTEN AUTHORIZATION FROM THE DESIGN ENGINEER.
- 22. THE CONTRACTOR SHALL PROVIDE TWO (2) INDIVIDUALLY BOUND SETS OF OPERATION AND MAINTENANCE MANUALS. THE MANUAL SHALL CONTAIN THE FOLLOWING INFORMATION:
- A. CONTRACTOR'S ADDRESS AND PHONE NUMBER.
- B. DURATION OF GUARANTEE PERIOD (ONE YEAR AFTER FINAL ACCEPTANCE).
- NAMES, ADDRESSES AND PHONE NUMBERS OF LOCAL MANUFACTURER REPRESENTATIVES.
- COMPLETE SET OF MANUFACTURER'S LITERATURE AND
- SPECIFICATIONS. E. COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL
- F. ISSUE A "CERTIFICATE OF CONSTRUCTION COMPLIANCE" WHICH STATES THAT ALL WORK DONE AND MATERIALS AND EQUIPMENT USED ARE IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND ALL AUTHORIZED REVISIONS.
- G. INITIAL ELECTRICAL DATA ON EACH VALVE: (1) OHMMS READING FOR EACH VALVE TAKEN AT THE CONTROLLER.
- (2) VOLTAGE READING FOR EACH VALVE TAKEN BOTH AT THE CONTROLLER AND AT THE VALVE.
- 23. THE CONTRACTOR SHALL PROVIDE TWO SETS OF CONTROLLER CHARTS. THE CHARTS TO BE A REDUCED DRAWING OF THE ACTUAL PLANS. THE CHARTS SHALL BE COLORED WITH A DIFFERENT COLOR FOR EACH IRRIGATION CIRCUIT. THE CHARTS SHALL BE COVERED IN A WATERTIGHT
- 24. IRRIGATION LINE TRENCHING AND PIPE INSTALLATION LOCATED WITHIN THE CANOPY DRIP LINE OF EXISTING TREES SHALL BE PERFORMED BY HAND OR BY AIR SPADE WITHOUT CUTTING OR DAMAGING EXISTING ROOTS GREATER THAN ONE INCH IN DIAMETER. SEE EXISTING LANDSCAPE PROTECTION SECTION FOR ADDITIONAL REQUIREMENTS.
- 25. REPLACE ALL DAMAGED EXISTING VALVE BOXES AND/OR LIDS WITHIN THE AREA OF WORK. ADJUST THE ELEVATION OF ALL EXISTING VALVE BOXES WITHIN THE AREA OF WORK TO FINISH GRADE AS NECESSARY TO COMPLY WITH THE VALVE BOX DETAIL.

CAUTION **Know what's below**

WATCH FOR OVERHEAD POWER LINES

Call before you dig.

SEE SHEET L102B FOR DETAILS AND MWELO CALCS



		REVIEWED & ACCEPTED BY C	OWNER'S REP OR LAND ARCH	
ITEM NO.	WORK ITEM DESCRIPTION	PRINT NAME	SIGNATURE	DATE
IR-1	EXISTING SYSTEM OPERATION & PRESSURE CHECK			
IR-2	PIPING/WIRE SLEEVES UNDER PAVEMENT			
IR-3	MAIN LINE INSTALLATION & PRESSURE TEST	N/A	N/A	
IR-4	VALVE INSTALLATIONS	N/A	N/A	
IR-5	IRRIGATION COVERAGE PRIOR TO PLANTING			
IR-6	CONTROL EQUIPMENT INSTALLATION	N/A	N/A	
IR-7	BOOSTER PUMP INSTALLATION & START-UP (MANUF.)	N/A	N/A	
IR-8	FINAL SYSTEM OPERATION REVIEW			
				•
NOTE:	THE ORIGINAL VERSION OF THIS LOG SHALL BE MAINTAIN	IFD ON THE AS-BUILT RECORD DRA	WING SET.	

IRRIGATION PLAN

THE ORIGINAL VERSION OF THIS LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET WORK ITEMS MAY NOT BE REVIEWED IF PRIOR WORK ITEMS HAVE NOT BEEN ACCEPTED.

CONSULTANT Blair, Church & Flynt Consulting Engineers 451 Clovis Avenue, Clovis, California 93612 Tel (559) 326-1400 Fax (559) 326-1500

CLOVIS UNIFIED SCHOOL DISTRICT PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL

CONST. DOCUMENTS

DATE: <u>04/28/2022</u> SCALE AS NOTED

TYPICAL TRENCH SHOWN IN PLANTING AREA

IRRIGATION TRENCH BACKFILL

WATER EFFICIENT LANDSCAPE WORKSHEET

Educational - DSA PR 15-03 **Project:** Portable Additions at Boris Elementary School

Location: 7071 E Clinton Ave, Fresno, CA 93727 ETo Reference (MWELO-Apdx. A): Fresno

MAWA = MAXIMUM APPLIED WATER ALLOWANCE (1,000 GALLONS)

TOTAL NEW BUILDING FOOTPRINT	2,000 SF	(1,600 sf is threshold for inclusion)
75% OF BLDG. SF REQ'D LANDSCAPE	1,500 SF	
EXIST. IRRIGATION REMOVED FROM SERVICE	2,986 SF	
REGULAR LANDSCAPE AREA	0 SF	(landscape area >500 sf)
SPECIAL LANDSCAPE AREA (SLA)	0 SF	
TOTAL PROPOSED LANDSCAPE AREA (LA)	0 SF	
TOTAL COMPLIANT LANDSCAPE AREA	2,986 SF	

NORMAL YEAR REFERENCE ANNUAL EVAPOTRANSPIRATION (ETo) 51.1 EFFECTIVE PRECIPITATION (25% OF ANNUAL) 0.0 ADJUSTED EVAPOTRANSPIRATION 51.1

MAWA=(ETo) x (0.62) [(0.65 x LA)+(0.35 x SLA)] ANNUAL 2015 DWR/DSA Update MAX. APPLIED WATER ALLOWANCE 10.8 K Gallons

TOTAL IN ACRE/FT 0.0 TOTAL IN CCF 14.5

ETWU = ESTIMATED TOTAL WATER USE (1,000 GALLONS)

LANDSCAPE HYDROZONE TYPES

MIXED PLANTING (L)	0	SF	0.3	0.81	0.37
MIXED PLANTING (M)	0	SF	0.5	0.81	0.62
WARM-SEASON TURFGRASS (MH)	0	SF	0.6	0.75	0.80
SLA - RECREATIONAL/RECYCED WATER USE	342	SF	0.6	0.75	0.80
*	AVERAC	GE RE	GULAR	ETAF:	0.09
MAXIM	IUM AVERAG	ERE	GULAR	ETAF:	0.65
ETWU=(ETo) x (0.62)x [(HA x PF/IE) + SLA]	ANNUAL	<u>-16</u>	.20 20	typical IE d	coeficients
MIXED PLANTING (L)	0.0	-8	187	0.75	overhead sprinklers
MIXED PLANTING (M)	0.0			0.81	drip & bubblers
WARM-SEASON TURFGRASS (M)	0.0				
SLA - RECREATIONAL/RECYCED WATER USE	8.7	_01			
ESTIMATED TOTAL WATER USE	8.7	K Ga	llons		
TOTAL IN ACRE/FT	0.0				

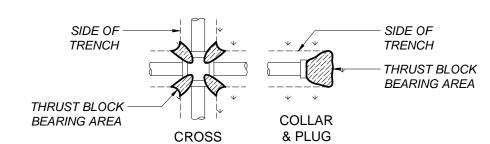
TOTAL IN CCF 11.6

342 HA PF IE

ETAF

ETWU AS A PERCENT OF MAWA: 80%

THRUST BLOCK BEARING AREA SIDE OF -TRENCH THRUST BLOCK ₩ SIDE OF BEARING AREA TRENCH



NOTE: CONCRETE PER SPECIFICATIONS. THRUST BLOCKS NOT REQUIRED WITH LESS THAN 2" MAIN LINE

TABLE OF BEARING AREAS REQUIRED (IN SQUARE FEET)						
PIPE DIAMETER	* 4"	6"	8"	10"	12"	
CROSS, TEE, 90° BEND, PLUG, FIRE HYDRANT	1	3	5	8	11	
45° BEND	1	2	3	4	6	
22-1/2° BEND	0.5	1	2	2	3	
11-1/4° BEND	0	0	1	1	2	
GATE VALVE (IN-LINE)	0	1	2.5	4	9	



TAPE WIRES AT MAXIMUM 10

FEET INTERVALS

LIMIT OF TRENCH

- SEE TRENCH DETAIL

TIE A LOOSE 24" MINIMUM

DIRECTIONS GREATER

LOOP AT ALL CHANGES OF

24" MIN. DEPTH OF

THAN 30°

TRADITIONAL WIRES UNDER PAVEMENT OR WALKS SHALL BE INSTALLED

WITHIN A CONDUIT WHICH HAS BEEN PLACED BY BORING, JACKING OR

TRADITIONAL CONTROL WIRE

2. NO SPLICES ARE ALLOWED BETWEEN POINTS OF CONNECTIONS.

3. A VALVE BOX MUST BE PROVIDED AT ALL UNDERGROUND SPLICE

DRILLING. CONDUIT TO BE PVC SCH 40 TYPE II PIPE. WIRES SHALL NOT BE

<----*---*

4. HOT - RED

COMMON - WHITE

SPARE HOT - BLACK

SPARE COMMON - BLUE

TRACER WIRE - GREEN

TAPED TOGETHER INSIDE THE CONDUIT.

ψ ψ ψ ψ ψ

LIMITS OF TRENCH, SEE DETAIL FOR PIPE DEPTH [C/L102B]. ALL SOLVENT WELD PVC PIPE TO BE SNAKED IN TRENCHES AS SHOWN TO PROVIDE FOR PIPE EXPANSION AND CONTRACTION.



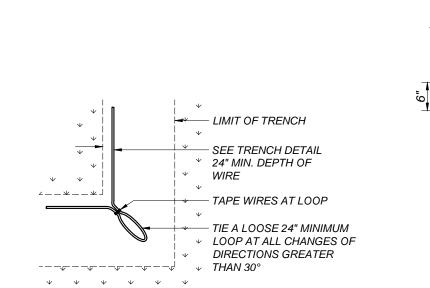
CONDUIT/SLEEVE FOR CONTROL WIRE CONDUIT/SLEEVE SIZE QTY. 14 GA. WIRE 8 OR LESS 1-1/2" 20 *4*5 70 NOTE: SLEEVE FOR PIPE IS 2X THE PIPE DIAMETER

FOR DSA USE ONLY DSA APP # 02-120132

- HARDSCAPE SURFACE - PROVIDE A 4-INCH HORIZONTAL SEPARATION BETWEEN SLEEVES/CONDUIT TRACER WIRE FULL LENGTH OF SLEEVE - P.V.C.PIPE, USE ONLY FULL LENGTHS OF PIPE. SEE PLANS FOR LOCATION, SIZE AND QUANTITY - SLIP-ON CAP ON SLEEVE, (DO NOT GLUE), TYPICAL,

IF FOR FUTURE USE.

IRRIGATION SLEEVE/CONDUIT NOT TO SCALE



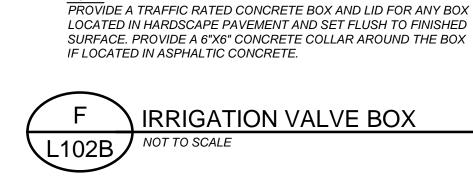
1. TWO-WIRE UNDER PAVEMENT OR WALKS SHALL BE INSTALLED WITHIN A CONDUIT PVC SCH. 40 TYPE II PIPE

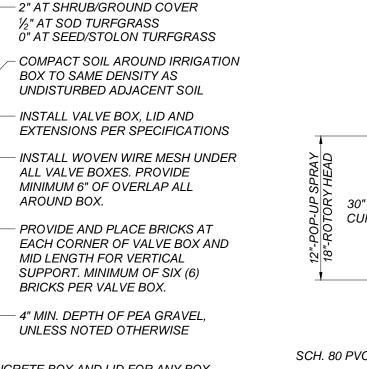
2. SPLICES ARE ALLOWED ONLY WITH DBRY-6 CONNECTORS.

3. A VALVE BOX MUST BE PROVIDED AT ALL UNDERGROUND SPLICE CONNECTIONS.

4. SEE TWO-WIRE DECIDER SYSTEM NOTES.

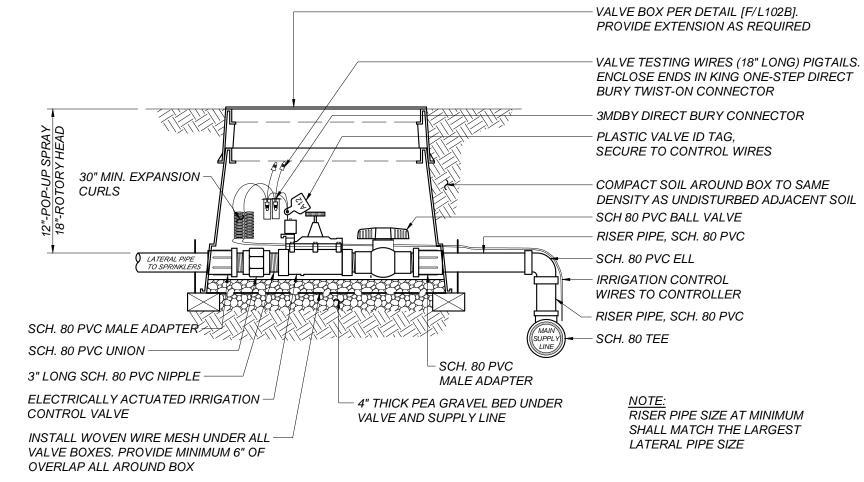
TWO-WIRE CONTROL CABLE







AROUND BOX.

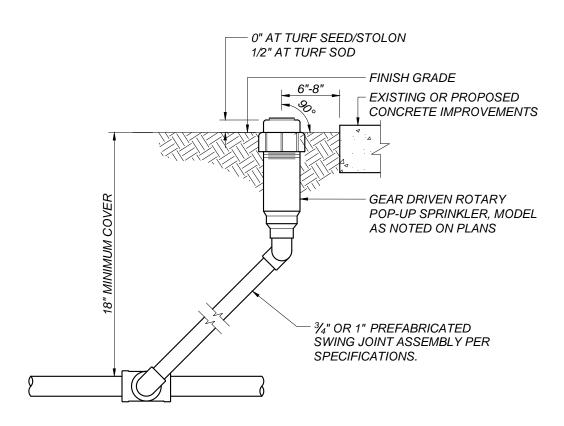


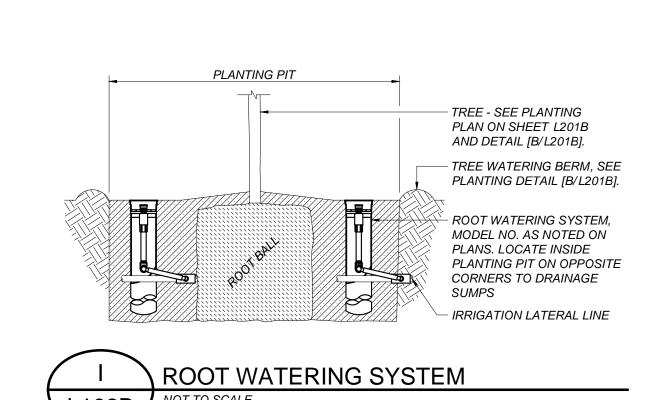
IF CONTROL WIRES ARE ROUTED IN CONDUIT,

SLEEVE FOR WIRES IS NOT REQUIRED

REMOTE CONTROL VALVE WITH BALL VALVE - GLOBE L102B



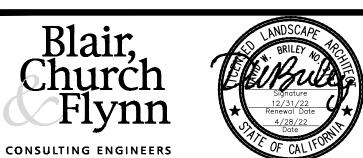
















REF. & REV.

IRRIGATION DETAILS

CLOVIS UNIFIED SCHOOL DISTRICT PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL

CONST. DOCUMENTS DATE: 04/28/2022 SCALE AS NOTED

CLOVIS USD SPECIAL NOTES:

1. ALL TREES, SHRUBS AND GROUND COVER PLANTS, EXCEPT FOR TURFGRASS, SHALL BE OBTAINED FROM ONE OR MORE OF THE FOLLOWING NURSERIES:

PLANTING NOTES:

TRIANGULAR SPACING.

SHOWN IN THE DETAILS.

INSTRUCTIONS

COMPACTION.

SHRUB OR TREE WATERING BASINS.

IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF IT IS OBVIOUS THAT

OBSTRUCTIONS OR STRUCTURES, IRRIGATION SYSTEM MALFUNCTION, EXISTING

NOTIFICATION SHALL PLACE THE RESPONSIBILITY ON THE CONTRACTOR FOR ANY

STARTING WORK. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROTECT

REQUIREMENTS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1).

THE EXISTING PLANTING ADJACENT TO THE WORK FROM DAMAGE OR DISTRESS.

3. ALL TREES AND SHRUBS SHALL BE OF CLASS A QUALITY WITHOUT PESTS, DISEASE

GIRDLING ROOTS OR EXCESSIVE TOP GROWTH, AND SHALL COMPLY WITH THE

NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF IRRIGATION

LAYOUT AND PLANT QUALITY. PLANT LOCATIONS SHALL AVOID CONFLICTS WITH

COMPONENTS AND TREE AND/OR SHRUB PLANTING FOR APPROVAL OF THE PLANT

EXISTING IMPROVEMENTS, PLANTINGS OR UTILITIES, LIGHT POLES WHILE MEETING

THE DESIGN INTENT. DO NOT PLANT TREES WITHIN 15 FEET OF LIGHT POLES UNLESS

SPECIFICALLY AUTHORIZED. FAILURE TO OBTAIN SUCH APPROVAL SHALL PLACE THE

RESPONSIBILITY ON THE CONTRACTOR FOR ANY RELOCATION OR REPLACEMENT OF

CONTRACTOR SHALL PROVIDE SUFFICIENT QUANTITIES OF PLANTS EQUAL TO THE

SYMBOL COUNT OR TO FILL THE AREA SHOWN ON THE PLAN AT THE SPECIFIED

GROUND COVER PLANTING CONTINUES UNDERNEATH THE TALLER SHRUBS AND TREES AS SHOWN IN THE PLANTING DETAILS. DO NOT PLANT GROUND COVER IN

HAVE A ROOT CONTROL BARRIER INSTALLED WHEN PLANTED. UNLESS OTHERWISE

BARRIER VESPRO OR EQUAL AT THE EDGE OF PAVEMENT/STRUCTURE, CENTERED

TREES PLANTED IN TURF. UNLESS NOTED OTHERWISE, MAINTAIN A MINIMUM 6 FOOT

DIAMETER MULCHED AREA AT THE BASE OF THE TREE INSIDE THE WATERING BASIN.

10. THE CONTRACTOR SHALL PRUNE NEW TREES ONLY WHEN SPECIFICALLY DIRECTED

SCAFFOLDING BRANCH STRUCTURE OR IN ROOT-BOUND CONTAINERS SHALL BE

NEEDED, PLANTING TOPSOIL TO A SOIL LAB FOR HORTICULTURAL ANALYSES AND

11. SUBMIT REPRESENTATIVE SOIL SAMPLES OF NATIVE AND PROPOSED IMPORT, IF

RECOMMENDATIONS OF THE SOILS REPORT AND LANDSCAPE ARCHITECT'S

DIRECTION. SEE THE LANDSCAPE PLANTING SPECIFICATIONS FOR ADDITIONAL

12. PROVIDE SANDY LOAM TOPSOIL PER SPECIFICATION IN ALL RAISED PLANTERS AND

PLANTERS ONLY WHEN THE NATIVE SITE SOIL MEETS THE CRITERIA FOR SANDY

13. PRIOR TO SOIL CONDITIONING, RIP IN TWO DIFFERENT DIRECTIONS WITH TINES AT 12

INCH SPACING, ALL TURFGRASS AREAS TO A 12 INCH DEPTH, AND SHRUB/GROUND

PLANTING SPECIFICATIONS. COMPOST RATE SHALL BE A MINIMUM OF FOUR (4) CUBIC

COVER AREAS TO A 18 INCH DEPTH. ROUGH GRADE AND TILL THE APPROVED SOIL CONDITIONERS AND FERTILIZERS INTO THE TOP 6 INCHES PER THE LANDSCAPE

14. UPON THE COMPLETION OF THE SOIL CONDITIONING, REMOVE ROCKS AND CLODS 1 INCH DIAMETER AND GREATER FROM THE TOP TWO INCHES OF TOPSOIL, AND ALL

DEBRIS. FINISH GRADE THE AREA TO +/- 0.04 FOOT TOLERANCE. FINISH GRADE IN MULCHED AREAS SHALL BE STRAIGHT GRADES WITHOUT HUMPS OR DEPRESSIONS

AND SHALL BE 2 INCHES BELOW ADJACENT HARDSCAPE, INLETS OR UTILITY BOX

16. AFTER PLANTING IS COMPLETED AND JUST PRIOR TO MULCH INSTALLATION, APPLY A

17. WHERE MULCH IS TO BE INSTALLED IN AN EXISTING PLANTING AREA, BREAKUP/TILL

DEPTH THAT TRANSITIONS TO THE EXISTING GRADE OVER 1 TO 2 FEET.

18. INSTALL A MINIMUM 3 INCH DEPTH OF CHIPPED WALK-ON WOOD MULCH IN ALL

THE EXISTING SOIL TO A MINIMUM 6 INCH DEPTH PER SPECS, AND ADJUST FINISH

PLANTING AREAS AND TREE WATERING BASINS EXCEPT FOR TURFGRASS AREAS.

SLOPES 3H:1V OR GREATER, AREAS TO RECEIVE SEED PLANTING, OR AS NOTED ON

THE PLAN. AREAS PLANTED WITH FLATS SHALL HAVE A MINIMUM MULCH DEPTH OF 2

INCHES. INSTALL A MINIMUM 3 FOOT RADIUS OF 3 INCH DEEP WOOD MULCH AT THE

REMOVED BY CONSTRUCTION OPERATIONS AND/OR UTILITY/IRRIGATION/DRAINAGE

LINES SHALL BE REPLACED WITH PLANTS THAT MATCH AS CLOSELY AS POSSIBLE TO THE EXISTING PLANT SPECIES, VARIETY AND SIZE. THE REPLACEMENT TURFGRASS

SOD VARIETY SHALL BE THE SAME AS SHOWN IN THE PLANTING LEGEND AS IF FOR

NEW WORK, OR SHALL MATCH THE EXISTING TURFGRASS VARIETY WHERE EXISTING.

TILL SOIL CONDITIONING MATERIALS INTO THE TOP 6 INCHES OF THE SOIL OVER THE

PLANTS AND/OR TURFGRASS SOD SHALL BE MAINTAINED AS PART OF THE ORIGINAL

FERTILIZING, MOWING AND EDGING (AT LEAST ONCE A WEEK), REMOVING TRASH AND

DEBRIS, AND OTHER RELATED ACTIVITIES THROUGHOUT THE DURATION OF THE

SCOPE OF WORK. THE REPAIR OR REPLACEMENT WORK SHALL BE AT THE

GROWTH, WHICH INCLUDES BUT IS NOT LIMITED TO WATERING, WEEDING,

20. CONTRACTOR SHALL MAINTAIN THE NEW PLANTING FOR HEALTHY AND VIGOROUS

AREA OF REPAIR/REPLACEMENT AS IF FOR NEW WORK. ADJUST FINISH GRADE SO NEW TURFGRASS SOD ABUTS FLUSH TO EXISTING SOD GRADE. THE REPLACEMENT

19. ALL EXISTING PLANTS AND/OR TURFGRASS SHOWN TO REMAIN AND DAMAGED OR

GRADE ADJACENT TO HARDSCAPE AND DRAINAGE ELEMENTS TO PROVIDE A 2 INCH

BROAD SPECTRUM PRE-EMERGENT HERBICIDE TO ALL NON-TURFGRASS PLANTING

COLLARS. RELATIVE DENSITY OF THE TOPSOIL SHALL NOT EXCEED 85%

15. OBTAIN THE APPROVAL OF THE OWNER'S REPRESENTATIVE TO BEGIN PLANTING OPERATIONS ONCE THE IRRIGATION SYSTEM IS OPERATIONAL AND THE SOIL

WHERE IMPORT TOPSOIL IS REQUIRED. NATIVE SITE SOIL MAY BE USED IN RAISED

BY THE LANDSCAPE ARCHITECT. TREES HEADED BACK WITHOUT INTACT

FERTILITY RECOMMENDATIONS. AMEND SOIL ACCORDING TO THE

LOAM TOPSOIL AS DETERMINED BY A SOIL ANALYSIS.

CONDITIONING AND FINISH GRADING IS COMPLETED.

AREAS PER THE MANUFACTURER'S SPECIFICATIONS.

BASE OF ALL TREES IN NEW TURFGRASS AREAS.

MAINTENANCE PERIOD UNTIL FINAL ACCEPTANCE.

CONTRACTOR'S SOLE EXPENSE.

SCALE IN FEET

YARDS PER 1,000 SQUARE FEET.

7. ALL NEW TREES LOCATED WITHIN 8 FEET OF PAVEMENT OR STRUCTURES SHALL

SPECIFIED, INSTALL A 12 FOOT LONG X 24 INCH DEEP LINEAR POLYETHYLENE

8. REMOVE NURSERY STAKES FROM TREES AFTER TREE STAKING OR GUYING AS

9. INSTALL PERFORATED POLYETHYLENE TREE TRUNK PROTECTORS FOR ALL NEW

OR DAMAGE, SHALL BE WELL ESTABLISHED IN THEIR CONTAINERS WITHOUT

TREES OR PLANTS. GRADE DIFFERENCES OR CHANGES IN THE SITE PLAN ARE

PRESENT THAT WILL IMPACT THE PLANTING DESIGN. FAILURE TO GIVE SUCH

ANY EXISTING PLANTING SHOWN ON THE PLAN IS FOR REFERENCE ONLY. THE

CONTRACTOR SHALL VERIFY THE EXISTING PLANTING AT THE SITE PRIOR TO

REVISIONS OR REPLACEMENTS NECESSARY FOR CORRECTION.

IRRIGATION COMPONENTS, PLANTED TREES AND/OR SHRUBS.

ON THE TREE TRUNK AS SHOWN IN THE PLANTING DETAILS.

5. PLANT QUANTITIES ARE PROVIDED FOR BIDDING CONVENIENCE ONLY. THE

6. WHERE GROUND COVER PLANTS ARE SHOWN AT A SPECIFIED SPACING, THE

- A. BELMONT NURSERY (559) 255-6645
- B. H & E NURSERY (559) 297-0599

BEST (559-260-4316).

- C. MCCALL'S NURSERY (559) 255-7679 D. GREEN HILLS NURSERY - (559) 291-8873
- 2. THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IF SPECIFIED PLANTS ARE NOT AVAILABLE FROM THE ABOVE SOURCES A MINIMUM OF 30 DAYS PRIOR TO THE SCHEDULED DELIVERY TO THE SITE, AND SHALL INCLUDE INFORMATION FOR AN ALTERNATE NURSERY SOURCE IF AVAILABLE ELSEWHERE.
- 3. ALL TREES AND PLANTS SHALL BE REVIEWED AND APPROVIDE FOR BOTH QUALITY AND LAYOUT BY A DISTRICT GROUNDS SUPERVISOR PRIOR TO STARTING ANY
- 4. ALL PLANTS ADJACENT TO BUILDINGS SHALL BE PLANTED A MINIMUM OF 4 FEET
- FROM THE BUILDING, UNLESS NOTED OTHERWISE. 5. WOOD MULCH SHALL BE "CENTRAL VALLEY WALK-ON BARK" PROVIDED BY GREEN'S

BUILDING

(15)

DRAINAGE SUMP NOTES:

- A. DRAINAGE SUMPS SHALL PENETRATE THROUGH AND BEYOND ANY UNDERLYING PAVEMENT OR HARDPAN SOIL STRATUM, AND SUCH PAVEMENT OR HARDPAN MATERIAL SHALL BE REMOVED FROM THE SUMP HOLES.
- B. THE SUMP HOLE SHALL BE DRILLED TO MINIMUM DEPTH OF TEN (10) FEET, UNLESS VISUAL EVIDENCE OF A SUBSURFACE SAND AND/OR GRAVEL DRAINAGE STRATUM IS APPARENT AT A LESSER DEPTH. THE SUMP HOLES SHALL EXTEND INTO THE DRAINAGE STRATUM A MINIMUM OF ONE (1) FOOT.

LEGEND:

- TREE PER PLANTING PLAN.
- 2" X 10' LODGEPOLE PINE STAKE. DO NOT DRIVE STAKE THROUGH ROOTBALL CUT OFF TOP SECTION DAMAGED BY HAMMERING. TOP OF STAKE IS 6" CLEAR OF LOWEST TREE BRANCHES.
- FLEXIBLE VINYL TREE TIE, 4 / TREE (V.I.T. OR APPROVED EQUAL.)

MOWSTRIP OR SLAB

MULCH DETAIL

WALK-ON WOOD MULCH

→ GRADE BREAK

- HARDSCAPE OR SURFACE- SEE PLAN

– FLUSH

TRANSITION GRADE THE NEW SOD AT A MAXIMUM 1V:12H SLOPE

TURF SOD INSTALLATION

SITE SHADING - LANDSCAPE & HARDSCAPE

INCOVERED HARDSCAPE AREA (EXCLUDING PARKING

OVER (UNDER) LANDSCAPE & HARDSCAPE SHADE REQUIREMENT

CALIPER

0.75

1.25

1 75

2.0

2.5

BE BALANCED, WELL SPACED VERTICALLY, AND WITH A RADIALLY BLANK SECTOR NO GREATER THAN 1/3 OF THE CANOPY CIRCUMFERENCE.

TREES SHALL HAVE A CENTRAL LEADER. NEW LEADERS LESS THAN HALF THE DIAMETER OF A HEADED LEADER. BROKEN OR CO-DOMINATE LEADERS

SCAFFOLD BRANCHES SHALL BE LESS THAN 2/3 THE DIAMETER OF THE TRUNK, WITHOUT INCLUDED BARK AT ATTACHMENT. SCAFFOLD BRANCHES SHALL

TEMPORARY BRANCHES ON THE LOWER TRUNK SHALL BE LESS THAN 3/8 INCH DIAMETER; AND THE CLEAR TRUNK HEIGHT SHALL BE NO MORE THAN 40%

THE ROOT COLLAR AND ROOTBALL SHALL BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED AND GIRDLING ROOTS. ROOTS THE EDGE AND BOTTOM OF

CALIPER MEASUREMENT FOR CLUMP OR MULTI-STEM TREES IS ONE-HALF THE SUM OF THE THREE LARGEST TRUNK CALIPERS

CALIPER MEASUREMENT FOR <4" TRUNK IS +6" ABOVE ROOTBALL (NOT INCLUDING ROOTSTOCK). >4" TRUNK IS +12"

CALIPER

3.0

3.5

5.0

4.0

.ANDSCAPED AREA (EXCLUDING SPECIAL USE &

LANDSCAPE SHADE CALCULATIONS

PARKING LANDSCAPE AREAS)

OTAL SITE SHADE REQUIRED

VERY LARGE (40' dia.= 1256 SF)

AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1) AND GUIDELINE SPECIFICATIONS

MIN./MAX.

HEIGHT*

7-10 FT

8-12 FT

10-16 FT

12-20 FT

14-26 FT

THE CONTAINER SHALL BE LESS THAN 1/4 INCH DIAMETER, AND UNIFORM THROUGHOUT THE CONTAINER.

DO NOT HEAD BACK OR PRUNE TREES UNLESS APPROVED AND/OR DIRECTED TO BY THE LANDSCAPE ARCHITECT

NOTES: THE ORIGINAL VERSION OF THIS LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.

WORK ITEMS MAY NOT BE REVIEWED IF PRIOR WORK ITEMS HAVE NOT BEEN ACCEPTED

TREE CANOPY WIDTH SHALL BE A MINIMUM OF 25% OF THE STANDARD FORM TREE HEIGHT.

TYPE 2 TREE HEIGHTS SHALL NOT BE LESS THAN TWO-THIRDS THE LISTED HEIGHT RANGE.

ARDSCAPE AREAS)

PROVIDED SHADE TREES

.ARGE (35' dia.= 962 SF)

MEDIUM (30' dia.= 707 SF)

SMALL (20' dia. = 314 SF)

FOR NURSERY TREE QUALITY (URBAN TREE FOUNDATION) SHALL APPLY

CALIPER

3.0

3.5

4.0

5.0

TYPE 3 TREES SHALL HAVE A MINIMUM OF SEVEN BRANCHES

* TYPE 4 TREES SHALL HAVE A MINIMUM OF EIGHT BRANCHES

TREE SIZE AND QUALITY STANDARDS

CALIPER

1.25

1 75

2.0

2.5

LANDSCAPE PLANTING OBSERVATION LOG

REPORT & PROTECTION OF EXISTING TREES

SOIL CONDITIONING & TILLAGE DEPTH

PL-4 | IRRIGATION COVERAGE PRIOR TO PLANTING

PL-5 FINISH GRADING PRIOR TO PLANTING PL-6 TREES - INITIAL QUALITY & LAYOUT PL-7 PLANTS - INITIAL QUALITY & LAYOUT

TEM NO. WORK ITEM DESCRIPTION

PL-8 WOOD MULCH DEPTH

PL-2 RIPPING OF PLANTING AREAS

CONTAINER

SIZE

15 GALLON

24" BOX

36" BOX

42" BOX

48" BOX

ARE NOT ACCEPTABLE

FULL WIDTH SOD SECTIONS - SEE PLAN

TURFGRASS

IF THE EXISTING TURFGRASS FINISH GRADE IS HIGHER OR LOWER THAN THE NEW FINISH SURFACE,

- SUBGRADE

FOR DSA USE ONLY

DSA APP # 02-120132

TOP OF SOD SOIL MAT FLUSH TO

AND/OR EXISTING TURFGRASS

½" - ¾" (TYP)

SHADING PER CALGREEN 5 106 12

SHADE AREA

MIN./MAX.

HEIGHT

8-10 FT

10-14 FT

12-18 FT

14-22 FT

REVIEWED & ACCEPTED BY OWNER'S REP OR LAND ARCH

CALIPER

1.25

1 75

2.0

2.5

SIGNATURE

N/A

PERCENT

PROPOSED (SF) REQUIRED REQUIRED (SF)

NO. TREES

TYPE 4 SMALL SPREADING TREES***

CALIPER

3.0

3.5

4.0

5.0

SHADE AREA

82

MIN./MAX.

HEIGHT

4-8 FT

6-10 FT

7-12 FT

8-14 FT

9-16 FT

DATE

ADJACENT HARDSCAPE, SURFACING

- EXISTING TURFGRASS FINISH GRADE

- TREE TRUNK PROTECTOR (GRAY) WHERE TREE IS IN TURF AREA.
- 4" HIGH WATERING BERM.
- ADJACENT PLANTING AREA WITH MULCH WHERE OCCURS.
- FINISH GRADE.
- SITE SOIL.
- PLANT FERTILIZER TABLET. SEE SPECIFICATIONS.
-). AMENDED BACKFILL. SEE SPECIFICATIONS.
- 11. ROOTBALL. SET TOP OF ROOTBALL 2" ABOVE FINISH GRADE.
- 12. DRAINAGE SUMP: 12" DIA. PER DRAINAGE SUMP NOTES. FILL WITH CONCRETE SAND PER SSPWC 200-1.5.5.
- REQUIRED. SEE GENERAL PLANTING NOTES AND DETAIL [X/L201B].

13. ROOT CONTROL BARRIER WHERE

- 14. ADJACENT TURFGRASS PLANTING WHERE OCCURS.
- 15. MULCH, MINIMUM 3" DEPTH. SEE GENERAL PLANTING NOTE 17.



LANSCAPE PLANTING AREA REQUI	REMENT:
NEW BUILDING FOOTPRINT:	2,000 SF (A)
REQUIRED MWELO COMPLIANT PLANTING (A*0.75):	1,500 SF (B)
EXISTING IRRIGATION AREA SCHEDULED FOR REMOVAL:	2,986 SF (C)
AREA OF EXISTING LANDSCAPE BEING REHABILITATED:	0 SF (D)
TOTAL MWELO COMPLIANT PLANTING CREDIT (C+D):	2,986 SF (E)
EXCESS / (DEFICIT) OF PROPOSED COMPLIANT PLANTING (E-B):	1,486 SF

CONTRACTOR SPECIAL PLANTING NOTES:

- AN ASSESSMENT AND VALUATION OF ONSITE EXISTING TREES SCHEDULED TO REMAIN IN THE AREA OF WORK SHALL BE PERFORMED BY THE CONTRACTOR'S ARBORIST PRIOR TO THE START OF CONSTRUCTION OPERATIONS PER THE 'EXISTING LANDSCAPE PROTECTION' SPECIFICATION.
- THE CONTRACTOR SHALL RIP, CONDITION AND TILL THE ENTIRE EXTENT OF ALL PLANTING AREAS RECEIVING NEW PLANTS PER THE PLANTING NOTES AND 'LANDSCAPE PLANTING' SPECIFICATIONS.
- 3. ALL EXISTING MIXED PLANTING AREAS RECEIVING NEW WOOD MULCH SHALL BE MANUALLY TILLED TO A MINIMUM DEPTH OF 4 INCHES, CLODS BROKEN UP TO A MAXIMUM 1 INCH DIAMETER, FINISH GRADED TO 2 INCHES BELOW ADJACENT SURFACES AND UTILITY/IRRIGATION BOXES WITHIN 12 INCHES OF THE HARDSCAPE EDGE. AND A PRE-EMERGENT HERBICIDE APPLIED PRIOR TO WOOD MULCH INSTALLATION. PROTECT EXISTING PLANTING DURING WOOD MULCH PREPARATION AND INSTALLATION.
- 4. THE ORIGINAL PLANTING OBSERVATION LOG SHALL BE MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.
- 5. THE AS-BUILT RECORD DRAWING SET AND MAINTENANCE MANUAL SHALL BE SUBMITTED AND ACCEPTED PRIOR TO THE SCHEDULING OF A FINAL ACCEPTANCE REVIEW.

LANDSCAPE PLANTING BID ALLOWANCE:

CONTRACTOR SHALL INCLUDE A BID ALLOWANCE IN THE AMOUNT OF \$1.000 FOR THE REMOVAL AND REPLACEMENT OF EXISTING PLANTS/TURFGRASS AND/OR THE INSTALLATION OF NEW PLANTS/TURFGRASS WHERE NOT SPECIFICALLY SHOWN ON THE DRAWINGS FOR REPLACEMENT OR INSTALLATION.

WATER CONSERVATION COMPLIANCE STATEMENT:

I HAVE COMPLIED WITH THE CRITERIA OF THE LANDSCAPE WATER CONSERVATION ORDINANCE AND

GUIDELINES, AND HAVE APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE PLANTING DESIGN



SEE SHEET L102B FOR MWELO CALCS





CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL PLANTING PLAN

CONST. DOCUMENTS DATE: <u>04/28/2022</u> SCALE AS NOTED

PLANT LEGEND SUNSET CLIMATE ZONE: 9 BOTANICAL / COMMON NAME CER TEX CERCIS CANADENSIS TEXENSIS 'OKLAHOMA DECIDUOUS STANDARD FORM. OKLAHOMA REDBUD BOTANICAL / COMMON NAME CYNODON DACTYLON X TRANSVAALENSIS 'TIFWAY 419' SOD C/L201E TIFWAY 419 BERMUDA GRASS A/L201B SEE NOTE 18 MULCH WALK-ON WOOD MULCH

RELOCATABLES

//////////

V V V - V V

ackslashTURF

-MULCH

CAUTION WATCH FOR OVERHEAD POWER LINES

Know what's below Call before you dig. CONSULTING ENGINEERS

ELECTRICAL COMPONENT **ANCHORAGE NOTES:**

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16, CHAPTERS 13, 26 AND 30:

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING ELECTRICAL UTILITY SERVICE. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE ANCHORED IN A MANNER APPROVED BY DSA.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCE NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

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

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

ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES:

THE ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16, SECTION 13.3 AS DEFINED IN ASCE 7-16, SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24. 1617A1.25. AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

THE ELECTRICAL DISTRIBUTION SYSTEM IS DETAILED ON THE APPROVED DRAWINGS WITH SPECIFIC NOTES AND DETAILS. WHEN A DETAIL IS NOT PROVIDED ON THE PLANS, THE ELECTRICAL DISTRIBUTION SYSTEM SHALL COMPLY WITH OSHPD PRE-APPROVAL #OPM-0052-13 (B-LINE).

LOW VOLTAGE GENERAL NOTES:

- THE ELECTRICAL CONTRACTOR SHALL CONTACT EACH SIGNAL SYSTEM VENDOR AND THOROUGHLY INVESTIGATE THE EXPANDABILITY OF ALL EXISTING SYSTEMS. THE CONTRACTOR'S BID SHALL INCLUDE ALL REQUIRED COMPONENTS, PROGRAMMING, ETC. TO INTEGRATE THE WORK SHOWN IN DIV. 16 DRAWINGS AND PROVIDE FOR FULLY FUNCTIONAL LOW VOLTAGE SYSTEMS.
- 2. EXISTING PULL BOX LOCATIONS ARE DIAGRAMMATIC. FIELD VERIFY EXACT LOCATIONS. ADD CONDUITS TO EXISTING PULL BOXES WHERE INDICATED. REPAIR ANY DAMAGE INCURRED.
- 3. DISCONNECT, REMOVE, REPULL, AND RETERMINATE EXISTING CABLING AS REQUIRED TO INSTALL NEW CABLING IN
- 4. TERMINAL CABINETS TO BE WIEGMANN RHC SERIES, OR EQUAL, W/ MOUNTING PANELS / PLYWOOD BACK BOARD. INSTALL ALL REQUIRED TERMINAL STRIPS, PUNCH DOWN BLOCKS, ETC.
- 5. INSTALL NYLON PULL LINE WITH ALL CABLE RUNS IN UNDERGROUND CONDUITS.
- CABLING AND DEVICES ADDED AS SURFACE MOUNTED IN RELOCATABLE BUILDINGS SHALL BE INSTALLED IN WIREMOLD 800 (OR 2300 AS NEEDED), COLOR TO BE SELECTED BY ARCHITECT, INSTALLATION SHALL HAVE ONLY FACTORY COMPONENTS DESIGNED FOR THE SYSTEM UTILIZED.

ELECTRICAL GENERAL NOTES:

1. ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE:

CALIFORNIA BUILDING CODE 2019 CALIFORNIA ELECTRICAL CODE 2019 NON RESIDENTIAL CEC ENERGY STANDARDS 2019

- 2. NOTHING IN THE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE
- 3. IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER EVERYTHING REQUIRED TO PROVIDE FOR COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.
- 4. THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.
- 5. THE PLANS AND SPECIFICATIONS ARE INTENDED TO BE USED AS CONSTRUCTION GUIDELINES AND ARE NOT THE TOTAL INSTRUMENT OF CONTRACT DOCUMENTS. IT IS NOT THE INTENTION OF ANY CONSTRUCTION PLANS TO DIVIDE WORK AMONG DIFFERENT TRADES. VERIFY THE SCOPE OF WORK WITH THE ARCHITECT AND THE GENERAL CONTRACTOR.
- 6. ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APPURTENANCES NECESSARY FOR A COMPLETE & OPERATING SYSTEM.
- 7. ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA ETC.) PER CEC
- 8. PROVIDE LABELING AND DIRECTORIES FOR ALL SWITCHBOARDS AND PANELBOARDS PER CEC 408.4.
- 9. ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING CAPABLE OF WITHSTANDING THE AVAILABLE SHORT CIRCUIT CURRENT PER CEC 110.9.
- 10. PROVIDE MINIMUM 30" WIDE x 78" HIGH x 36" DEEP WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 120/208V 3Ø 4W PER CEC 110.26.
- 11. PROVIDE MINIMUM 30" WIDE x 78" HIGH x 42" DEEP WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 277/480V 3Ø 4W PER CEC 110.26.
- 12. ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUIT OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), RECEPTACLES SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
- 13. CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CBC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), SWITCHES AND CONTROLS SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CBC 11B-308.2.2 AND 11B-308.3.2.
- 14. ALL WALL AND SURFACE MOUNTED FIXTURES PROTRUDING IN THE PATH OF TRAVEL (POT) OR COMMON PEDESTRIAN WAYS SHALL COMPLY WITH CBC 11B-307.2. OR SHALL BE MOUNTED LESS THAN 27" AFF OR GREATER THAN 80" AFF, OR SHALL BE PROVIDED WITH A BARRIER CONFORMING TO CBC 11B-307.4.
- 15. EMERGENCY EGRESS LIGHTING SHALL PROVIDE A MINIMUM LUMINANCE OF 1 FOOTCANDLE AT THE WALKING SURFACE FOR A MINIMUM OF 90 MINUTES.
- 16. PATH OF TRAVEL LIGHTING TO THE PUBLIC WAY OR DISPERSAL AREA SHALL PROVIDE A MINIMUM LUMINANCE OF 1 FOOTCANDLE AT THE WALKING SURFACE.
- 17. FIRE ALARM EQUIPMENT SHALL BE SERVED BY DEDICATED FIRE ALARM BRANCH CIRCUITS PER NFPA 72 10.6.5.1.2. THE CIRCUIT NUMBER SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM EQUIPMENT PER NFPA 10.6.5.2.1. THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH RED HANDLE AND LOCK-ON DEVICE, AND PERMANENTLY IDENTIFIED AS "FIRE ALARM CIRCUIT" PER NFPA 72 10.6.5.2.2, 10.6.5.2.3, 10.6.5.2.4, AND 10.6.5.4.
- 18. WIRING FOR 120/208V AND 277/480V SYSTEMS SHALL BE MIN. #12 AWG THHN/THWN-2 COPPER.
- FEEDERS SIZE #4 AND LARGER SHALL BE MEGGER TESTED. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.
- 20. COLORS/FINISHES/MATERIALS FOR ALL ELECTRICAL DEVICES, PLATES, LIGHT FIXTURES, ETC. SHALL BE CHOSEN BY THE
- 21. PROVIDE PERMANENT LOCK-OPEN DEVICES ON CIRCUIT BREAKERS SERVING ELECTRIC WATER HEATERS TO MEET THE REQUIREMENTS OF CEC 422.31.
- 22. CONTRACTOR SHALL EXTEND ALL SIGNAL AND FIRE ALARM SYSTEMS AS REQUIRED. MODIFY HEAD-IN EQUIPMENT TO ACCOMMODATE NEW DEVICES AS REQUIRED. VERIFY THE CONDITION AND EXPANDABILITY OF ALL HEAD-IN EQUIPMENT PRIOR TO BID AND MODIFY ACCORDINGLY.
- 23. CALL USA UNDERGROUND ALERT AND VERIFY WITH DISTRICT THE DESIRED ROUTING AND LOCATIONS OF UNDERGROUND CONDUITS AND STRUCTURES PRIOR TO TRENCHING.
- 24. EXISTING EQUIPMENT TO BE REMOVED AND/OR REPLACED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE DEPARTMENT OR DISPOSED OF, AT THE DISCRETION OF THE DISTRICT.
- 25. ALL CONDUITS UNDER CONCRETE OR ASPHALT WILL HAVE 24" MINIMUM COVER OF ROCK FREE NATIVE SOIL, METALLIC WARNING TAPE AT 12", AND NO ENCASEMENT REQUIRED. ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF 250 VOLT TO GROUND OR GREATER, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE SHALL REQUIRE 1,500 PSI CONCRETE ENCASEMENT, METALLIC WARNING TAPE AT 12", AND A MINIMUM COVER FROM TOP OF ENCASEMENT OF 24". ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF LESS THAN 250 VOLTS TO GROUND, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE WILL HAVE 30" MINIMUM COVER OF NATIVE SOIL, METALLIC WARNING TAPE AT 12" AND NO ENCASEMENT REQUIRED.
- 26. INSTALL GALVANIZED RIGID STEEL RISERS & ELBOWS WHERE THEY OCCUR. WRAP GALVANIZED RIGID STEEL BELOW GRADE. PVC SHALL NOT BE INSTALLED ABOVE GRADE.
- 27. CONDUIT INSTALLED ABOVE GRADE SHALL BE MIN. 3/4" TRADE SIZE. CONDUIT BELOW GRADE SHALL BE MIN. 1" TRADE
- 28. PROVIDE (4) 1" CONDUIT STUBS FROM NEW ELECTRICAL PANEL TO ACCESSIBLE ATTIC SPACE FOR FUTURE USE.
- 29. CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL HAVE A RED HANDLE AND LOCK-ON DEVICE.
- 30. HOLES ARE NOT ALLOWED THROUGH TOP PLATES OF BEARING WALLS AND SHEAR WALLS.
- 31. INCLUDE FIRE STOP SYSTEMS REQUIRED FOR ALL WORK AFFECTED BY FIRE RATED ASSEMBLIES.
- 32. INCLUDE ALL WORK REQUIRED TO INVESTIGATE, DEMOLISH, & RECONNECT EXISTING ITEMS.
- 33. ALL LOW VOLTAGE EQUIPMENT SHALL BE DEENERGIZED PRIOR TO DEMO WORK. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO LIVE EQUIPMENT.

ELECTRICAL SYMBOLS SCHEDULE:

POLE WITH DOUBLE AREA LUMINAIRES LAY-IN LIGHT FIXTURE SURFACE CEILING LIGHT RECESSED DOWN LIGHT

POLE WITH POST TOP AREA LUMINAIRE

WALL LIGHT

SWITCHBOARD

TERMINAL CABINET

AT +18" AFF TO CENTER OF BOX, U.O.N.

(2) WAP DATA JACKS (RJ45 CAT6A)

VoIP TELEPHONE OUTLET (RJ45 CAT6)

DSA APP # 02-120132

FOR DSA USE ONLY

POWER PANEL REFER TO POWER SINGLE LINE DIAGRAM

REFER TO POWER SINGLE LINE DIAGRAM

REFER TO DETAIL 4/E102

HOMERUN CABLES TO IDF.

HOMERUN CABLES TO IDF

JUNCTION BOX 4-11/16" SQUARE BOX & COVER PLATE MIN. DISCONNECT SWITCH, FUSIBLE, WP DISCONNECT FUSING TO BE PER NAMEPLATE DATA.

MOTOR REFER TO MECH. PLANS & SPECS. DUPLEX CONVENIENCE OUTLET 20A SPEC. GRADE, NEMA GROUNDED

QUADPLEX CONVENIENCE OUTLET 20A SPEC. GRADE, NEMA GROUNDED AT +18" AFF TO CENTER OF BOX, U.O.N.

GFI DUPLEX OUTLET 20A SPEC. GRADE, NEMA GROUNDED AT +18" AFF TO CENTER OF BOX, U.O.N.

WP, GFI DUPLEX OUTLET 20A SPEC. GRADE, NEMA GROUNDED AT +18" AFF TO CENTER OF BOX, U.O.N.

DATA OUTLET (RJ45 CAT6) WITH (2) JACKS HOMERUN CABLES TO IDF. AT +18" AFF TO CENTER OF BOX, U.O.N. (2) BLUE JACKS & CABLES

MOUNTED IN ATTIC SPACE SEE DETAIL 7/E102 (2) YELLOW JACKS & CABLE

AT +45" AFF TO CENTER OF BOX, U.O.N. (1) WHITE JACK & CABLE

DATA/COMM OUTLET (RJ45 CAT6) HOMERUN CABLES TO IDF AT +18" AFF TO CENTER OF BOX, U.O.N. (2) BLUE AND (1) WHITE JACKS & CABLES

WALL MOUNT IP PA SPEAKER IN SURFACE ENCLOSURE MATCH EXISTING SYSTEM COMPONENTS WALL CLOCK, BATTERY POWERED VERIFY COMPATIBILITY WITH EXISTING SYSTEM

INSTALL CABLING BETWEEN TEACHER STATION AND AUDIO/VISUAL INPUT WITH (2) HDMI, (1) USB, & (1) 3.5MM AUDIO JACKS AND WALL PLATE PROJECTOR. SEE DETAIL 4/E103. AT +18" AFF TO CENTER OF BOX, U.O.N.

MDF MAIN DISTRIBUTION FRAME (MDF) SEE CUSD STANDARD SPECIFICATIONS INTERMEDIATE DISTRIBUTION FRAME (IDF) SEE CUSD STANDARD SPECIFICATIONS SEE CUSD STANDARD SPECIFICATIONS P.A. SYSTEM HEAD END

P.A. SYSTEM TERMINAL BLOCK SEE CUSD STANDARD SPECIFICATIONS TEL. SYSTEM HEAD END WHERE EXISTING TEL. SYSTEM TERMINAL BLOCK WHERE EXISTING F0S FIBER OPTIC SPLICE LOCATION SEE CUSD STANDARD SPECIFICATIONS CAT6 PATCH PANEL SEE CUSD STANDARD SPECIFICATIONS

FIRE ALARM CONTROL PANEL SEE FIRE ALARM PLANS EXP FIRE ALARM EXPANDER PANEL SEE FIRE ALARM PLANS EMERGENCY VOICE/ALARM COMMUNICATION PANEL SEE FIRE ALARM PLANS

FIRE ALARM SLC & NAC TERMINAL BLOCKS LOCATION FOR REFERENCE. SEE FIRE ALARM PLANS WIREMOLD 5400 SURFACE WIREWAY RISERS WHERE INDICATED ON DRAWINGS

EXISTING WIRING TO REMAIN REFER TO DETAIL 6/E102. 1"C. CONDUIT MIN. -----WIRING BELOW GRADE

WIRING IN WALL OR CEILING 3/4" CONDUIT MIN. LOW VOLTAGE WIRING ____ LV ____

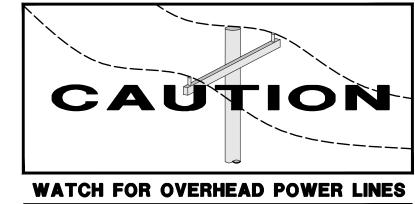
3/4" CONDUIT MIN. CONDUIT RISER 3/4" CONDUIT MIN. FLEXIBLE CONDUIT CONDUIT STUB AND CAP 3/4" CONDUIT MIN. HASH MARKS DENOTES QTY. OF CONDUCTORS 3/4" CONDUIT MIN.

WIRE SIZE INDICATED, IF OTHER THAN #12 AWG HOME RUN (TO PANEL "A", CIRCUIT "15") 3/4" CONDUIT MIN.

"UNLESS OTHERWISE NOTED"

"EXISTING"

"WEATHERPROOF" / NEMA 3R "GROUND FAULT INTERRUPTER"















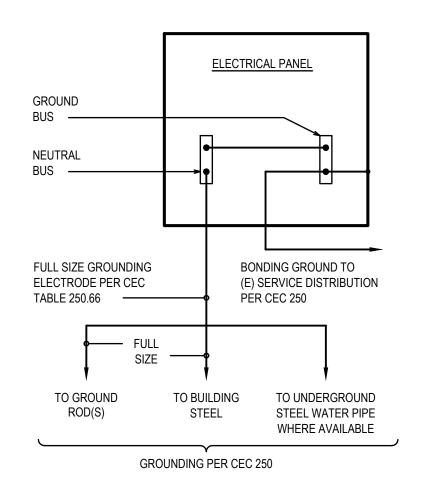


REF. & REV.

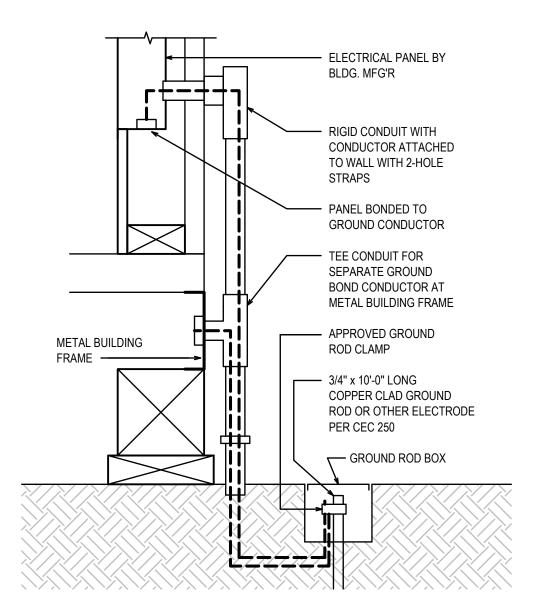
CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS **BORIS ELEMENTARY SCHOOL ELECTRICAL NOTES**

CONST. DOCUMENTS



PANEL GROUNDING DETAIL

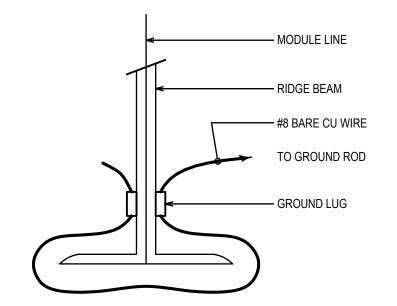


NOTES:

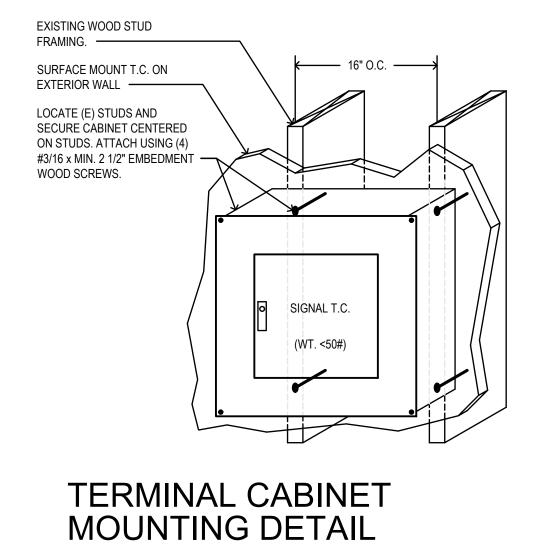
NO SCALE

- 1. ALL GROUNDING SHALL COMPLY WITH CEC 250.
- 2. GROUNDING ELECTRODE CONDUCTOR SIZE SHALL COMPLY WITH CEC TABLE 250.66.
- 3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME. IN ADDITION TO THE WORK SHOWN IN THE DETAIL ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPES EMBEDDED AT LEAST 10' INTO THE SOIL, IF AVAILABLE.
- 4. ALL MODULES OF THE METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED. BOLTING ALONE IS NOT ACCEPTABLE AS BONDING.
- 5. CHECK RESISTANCE TO GROUND. IF THE RESISTANCE AT ANY POINT EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS UNTIL READING IS LESS THAN 25 OHMS.
- 6. THE SITE INSPECTOR IS TO VERIFY GROUNDING TESTS. THE CONTRACTOR SHALL SUBMIT A WRITTEN REPORT OF FINDINGS TO D.S.A., SIGNED BY THE INSPECTOR.

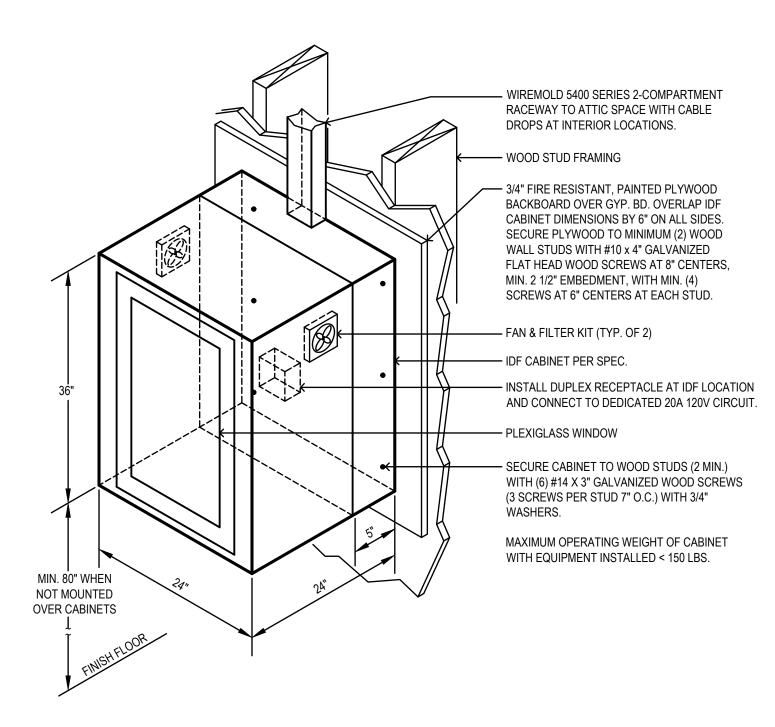




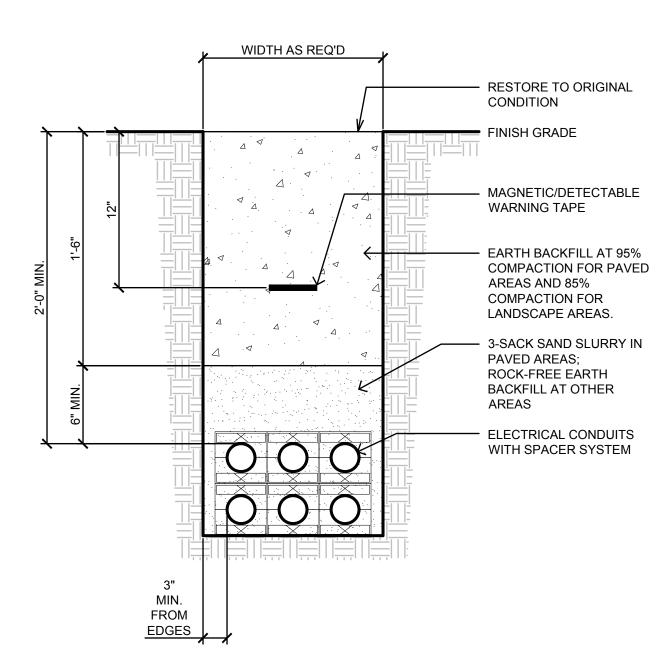
MODULE BONDING DETAIL



NO SCALE

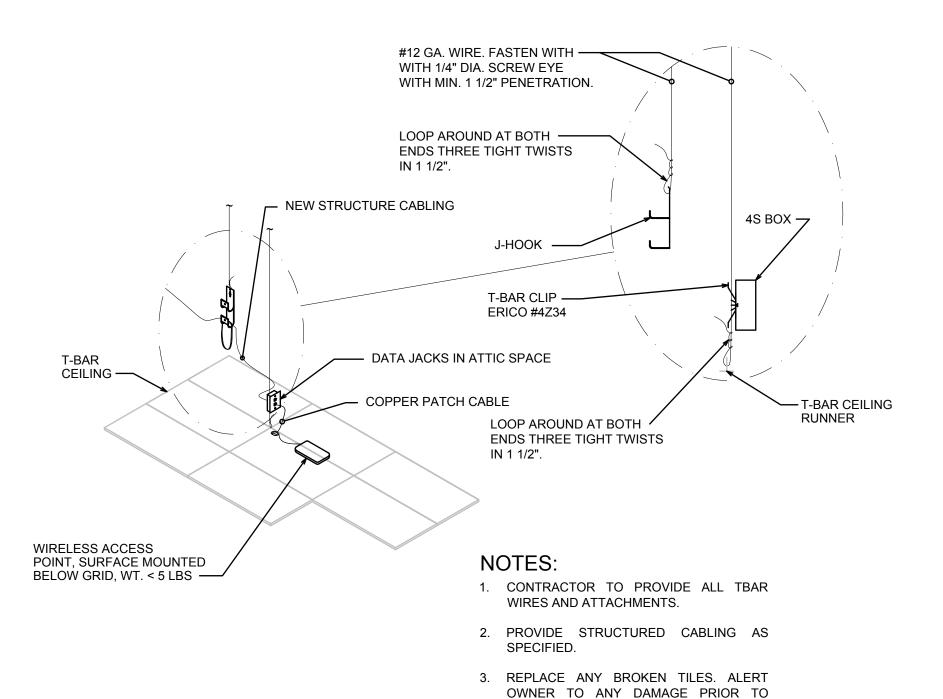


IDF CABINET MOUNTING DETAIL



TRENCHING DETAIL

NO SCALE



INSTALLATION.

DATA OUTLET AT T-BAR CEILING DETAIL

CAUTION WATCH FOR OVERHEAD POWER LINES

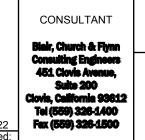










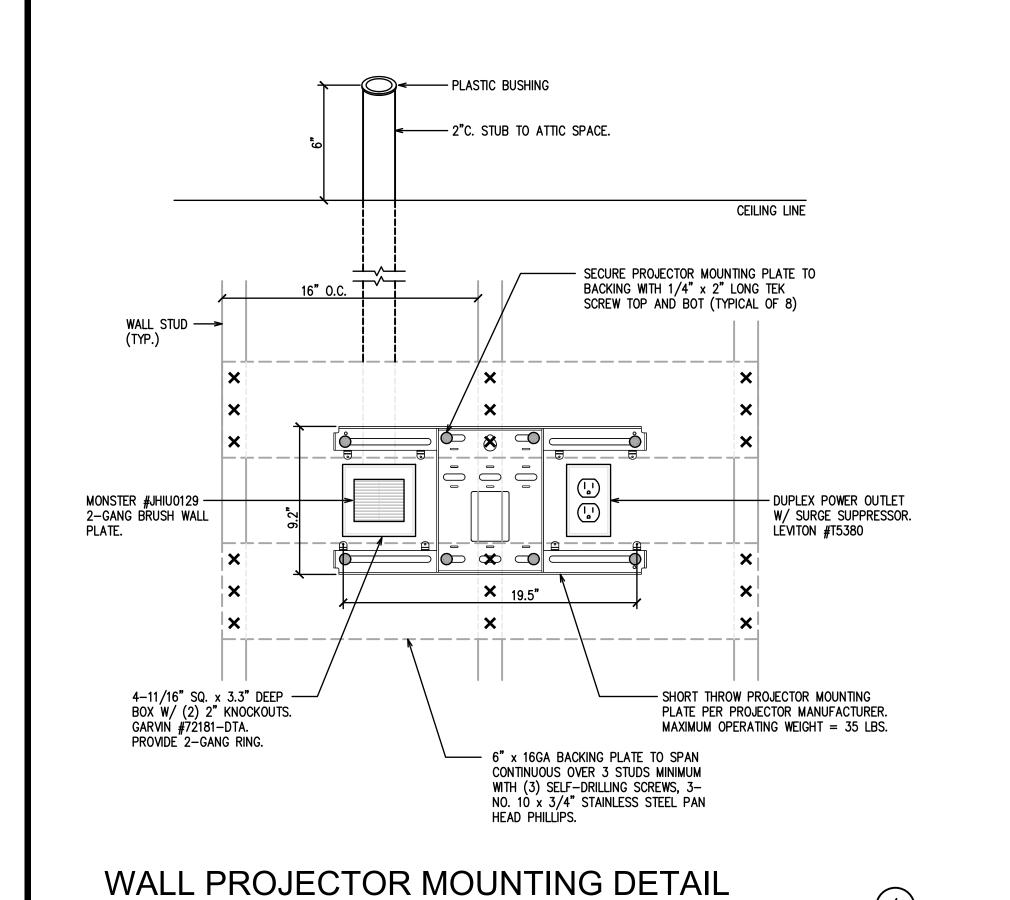


CLOVIS UNIFIED SCHOOL DISTRICT

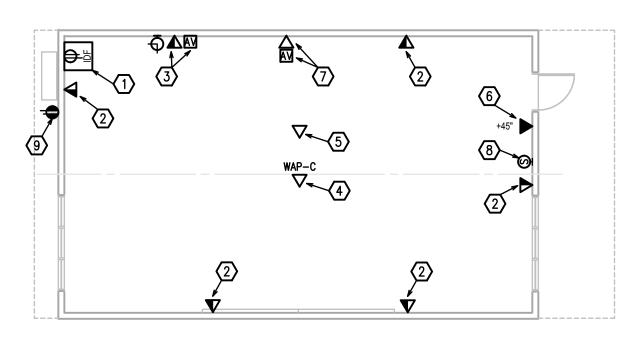
PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL CONST. DOCUMENTS **ELECTRICAL DETAILS**

FOR DSA USE ONLY

DSA APP # 02-120132



NO SCALE



GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH CUSD SPECIFICATIONS. PROVIDE COMPLETE AND OPERATIONAL SYSTEMS. ANY DISCREPANCIES MUST BE ADDRESSED BY RFI PRIOR TO BID.
- NOTIFY ENGINEER OF ANY CONDITIONS THAT MAY PREVENT INSTALLATION AS SHOWN IN THIS
- CUSD REQUIRES CONCEALED RACEWAYS AND FLUSH INSTALLATION OF DEVICES IN WALLS. WHERE THIS IS PARTICULARY DIFFICULT, AND WITH APPROVAL FROM DISTRICT, THE CONTRACTOR MAY USE SURFACE RACEWAYS.

RELO BUILDING KEY NOTES ○

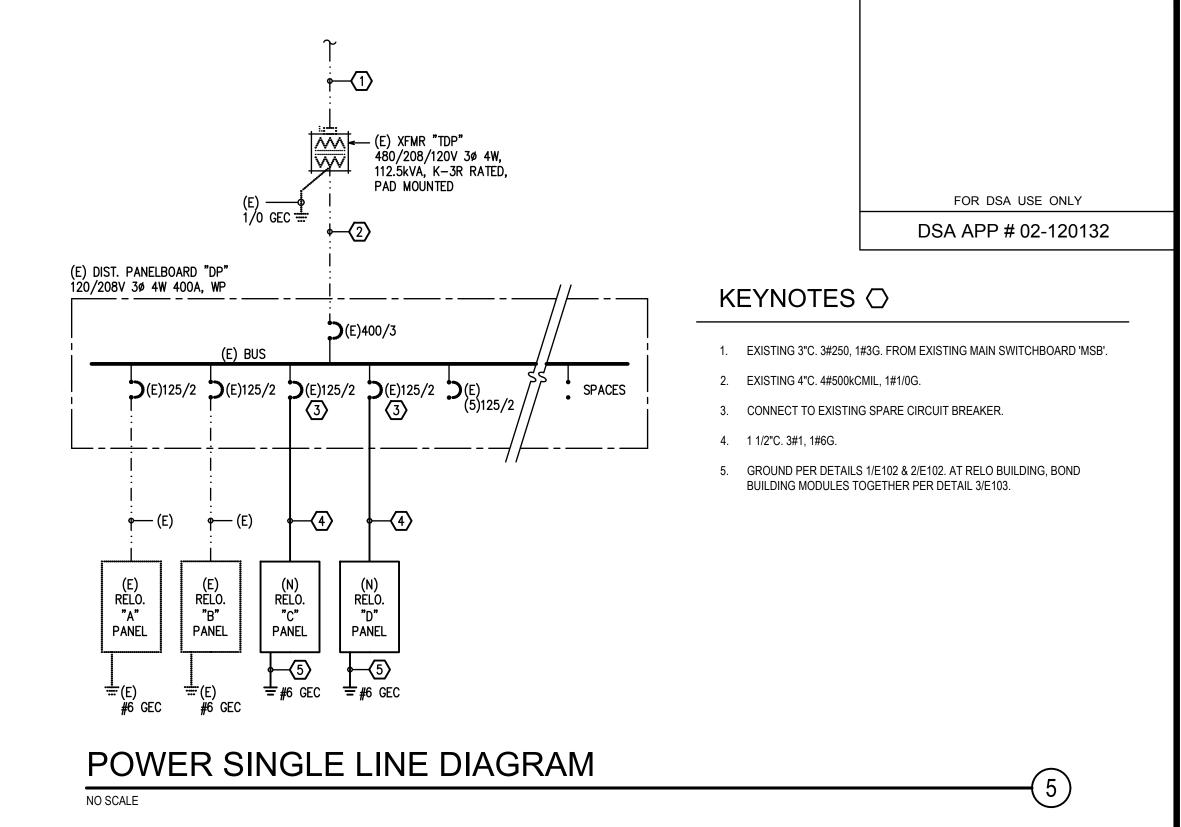
- PROVIDE IDF AT CORNER ABOVE COUNTER, CATTY CORNER FROM THE DOOR. INSTALL PER DETAIL 5/E102. PROVIDE DUPLEX OUTLET INSIDE CABINET AND DEDICATED 120V 20A
- PROVIDE INDICATED JACKS FOR FUTURE CEILING PROJECTOR. COIL UP 6 FT. EXTRA CABLE WITH JACK ATTACHED AND SECURE IN 2. PROVIDE INDICATED JACKS AT ATTIC SPACE. PRE-INSTALLED BOX BY BLDG. MFG'R AND
- 6. PROVIDE WALL MOUNTED VOICE JACK FOR CONNECT TO IDF. VoIP HANDSET AT PRE-INSTALL BOX BY BLDG. 9. PROVIDE INDICATED JACKS FOR TEACHER MFG'R, ADJACENT TO DOOR. STATION ON SAME WALL AS DOOR, OPPOSITE SIDE OF ROOM.
- PROVIDE INDICATED DEVICES FOR WALL MOUNTED PROJECTOR AT PRE-INSTALLED BOXES BY BLDG. MFG'R. MFG'R TO PROVIDE POWER OUTLET. SEE TEACHING WALL ELEVATION, DETAIL 4/E103. INSTALL PROJECTOR MOUNT PER DETAIL 1/E103.
- PROVIDE PA SPEAKER AS SHOWN.
 - PROVIDE WEATHERPROOF GFI OUTLET WITH LOCKABLE COVER ADJACENT TO EXISTING HVAC UNIT. CONNECT TO ADJACENT EXISTING POWER OUTLET.

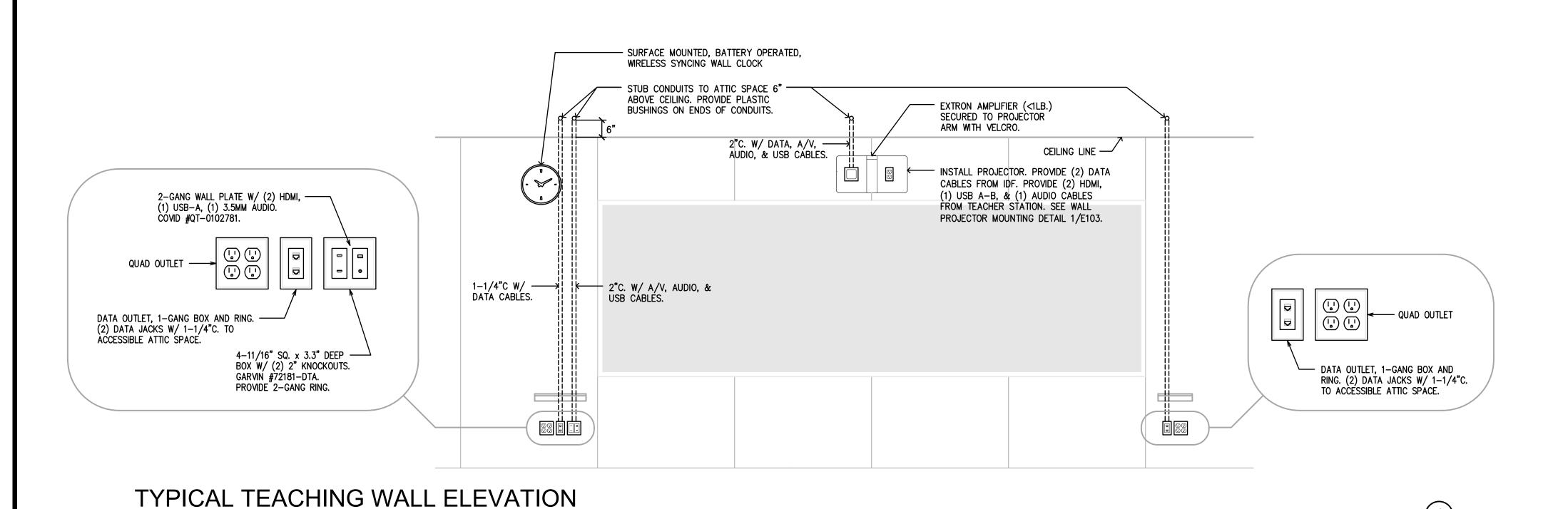
TYPICAL RELO BUILDING ELECTRICAL PLAN

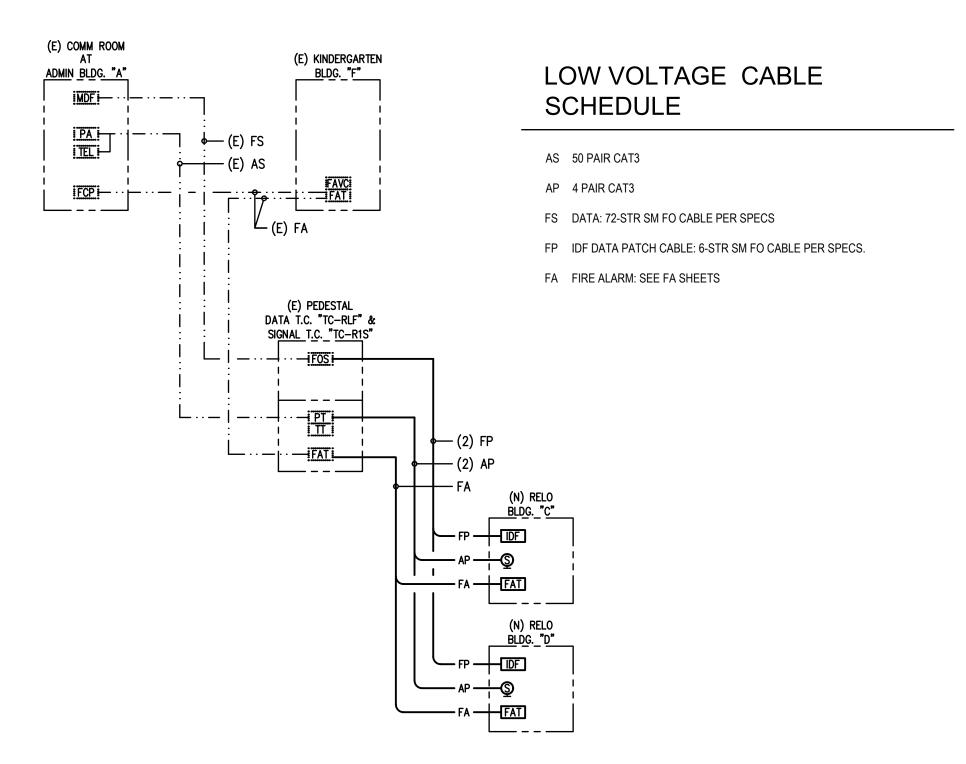
PROVIDE INDICATED JACKS FOR WIRLESS

ACCESS POINT. INSTALL PER DETAIL 7/E102.

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









NO SCALE

CAUTION **WATCH FOR OVERHEAD POWER LINES**











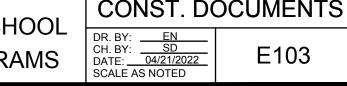




CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS BORIS ELEMENTARY SCHOOL **ELECTRICAL LINE DIAGRAMS**

CONST. DOCUMENTS



FIRE ALARM GENERAL NOTES:

- 1. FIRE ALARM SYSTEM: ADDRESSABLE, CLASS B, AUTOMATIC.
- 2. ALL WORK SHALL CONFORM TO THE 2016 EDITION OF NFPA 72, AND THE 2019 EDITION OF CBC, CEC, AND CFC.
- INSTALLATION OF THE FIRE ALARM SYSTEM (FAS) SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
- 4. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR. (THE LOCAL FIRE AUTHORITY MAY WITNESS THE TEST).
- 5. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR THE INSTALLATION.
- 6. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
- 7. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
- 8. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL, OR OTHER LAB TESTING CRITERIA. APPROVED TYPE OF MATERIALS SHALL BE IDENTIFIED WITHIN THE SPECIFICATION WITHIN THE FIRE ALARM
- MICROPHONE ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
- 10. WALL MOUNTED VISUAL NOTIFICATION DEVICES SHALL HAVE THEIR ENTIRE LENS WITHIN AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
- 11. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.
- 12. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY SPACE WITHIN A BUILDING THAT MAY BE OCCUPIED AND BE
- 13. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN, PRIOR TO "EVAC" ANNOUNCEMENT. THE CARBON MONOXIDE SIGNAL SHALL SOUND A FOUR-PULSE TEMPORAL PATTERN PER NFPA 720, 5.8.6.5.1.
- 14. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- 15. VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH PER SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- 16. UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS AND WIRE APPROVED FOR WET LOCATIONS.
- 17. ALL FIRE ALARM WIRING SHALL BE FLP OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
- 18. PER CEC STANDARDS, ALL WIRING SHALL BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE WIRE. ANY CONNECTION SHALL BE BY LUG CONNECTION AT A DEVICE OR AT A FATC TERMINAL BLOCK ONLY. ALL BOXES TO BE SIZED PER CEC.
- 19. SMOKE DETECTORS SHALL NOT BE CLOSER THAN 12" FROM FIRE SPRINKLERS NOR 36" FROM SUPPLY AIR DIFFUSERS. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION, NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
- 20. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY, OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS, AND IN WALLS IN A NEAT AND PROTECTED MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS. OWNER STANDARDS MAY BE MORE STRINGENT.
- 21. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS' SPECIFICATIONS. ANY SINGLE DEVICE SHALL NOT EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- 22. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A LOCKING DEVICE WITH RED MARKING PER NFPA 72, SECTION 10.6.5.4 AND 10.6.5.2.3 TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT THE FIRE PANEL/EXTENDERS.
- 23. THE INSTALLING CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION IN COMPLIANCE WITH NFPA 72. SECTION 7.5.6.
- 24. CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48".
- 25. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC 901.6.2

- 26. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTIONS WITH FINAL TEST. FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATIONS SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011. A COPY OF ALL DEVICES REPORTED TO THE CENTRAL STATION SHALL BE PROVIDED TO THE OWNER'S ELECTRONICS DEPARTMENT
- 28. ALL WIRING IS SHOWN DIAGRAMMATICALLY. SUBJECT TO DSA APPROVAL, CONTRACTOR MAY VARY SEQUENCE OF CIRCUITRY; HOWEVER, ALL CIRCUITS SHALL BE
- 29. ALL CONNECTIONS SHALL BE PROPERLY LABELED BY CONDUCTOR AND SHALL HAVE STA-KON LUG CONNECTORS. PANDUIT TAG (TIE WRAP) SEPARATELY.
- 30. FIRE ALARM TERMINAL CABINETS SHALL HAVE SUFFICIENT SPACE, TERMINAL BOARDS AND SCREW TERMINAL CONNECTORS TO ALLOW CONNECTION OF ALL PRIOR TO COMMENCING ANY WORK.
- 32. SET END-OF-LINE RESISTORS IN DISTRIBUTION TERMINAL CABINETS.
- 33. BATTERIES SHALL BE STAMPED WITH DATE OF MANUFACTURE.
- 34. INSTALLATION OF FAS EQUIPMENT SHALL BE BY AN AUTHORIZED ENGINEERED SYSTEM DISTRIBUTOR FOR THE EQUIPMENT SPECIFIED BY THE MANUFACTURER FOR SALES, SERVICE, INSTALLATION AND MAINTENANCE. PROVIDE CERTIFICATIONS WITH EQUIPMENT SUBMITTALS. SUBMITTALS BY FIRMS NOT FULFILLING THIS REQUIREMENT WILL BE AUTOMATICALLY REJECTED.
- 35. THE FAS INSTALLER SHALL BE NICET LEVEL 2 CERTIFIED.
- 37. THE FAS INSTALLER SHALL PROVIDE WRITTEN CERTIFICATION USING NFPA 72 INSPECTION AND TESTING FORMS AND SHALL CERTIFY THAT THE INSTALLATION, TESTING. AND OPERATION CONFORM IN ALL RESPECTS TO THE REQUIREMENTS AS SET FORTH IN TITLE 19 OF THE CALIFORNIA CODE OF REGULATIONS AND PART 3, ARTICLE 760 OF TITLE 24 OF THE C.C.R. AND C.B.C. SECTION 907. THE CONTRACTOR SHALL SUBMIT THE COMPLETED FAS CERTIFICATION AND DESCRIPTION FORM TO DIVISION OF STATE ARCHITECT.
- 38. INCLUDE ALL DEMOLITION OF EXISTING FIRE ALARM SYSTEM WHETHER SPECIFICALLY SHOWN OR NOT. REMOVE ALL CABLING & UNUSED EXPOSED RACEWAY & OUTLETS. BLANK OFF ALL UNUSED WALL & HARD CEILING OUTLETS. REMOVE ALL UNUSED OUTLETS IN TEE-BAR CEILING & REPLACE ACOUSTIC TILES. RETURN ALL DEVICES, APPLIANCES. & CONTROL PANELS TO OWNER IF REQUESTED BY OWNER DURING CONSTRUCTION.
- 40. WHERE FIRE ALARM DEVICES ARE BEING INSTALLED IN OTHERWISE INACCESSIBLE AREAS, PROVIDE AN ALLOWANCE FOR THE INSTALLATION OF ACCESS PANELS AND ALL WORK ASSOCIATED WITH THE INSTALLATION. THE CONTRACTOR SHALL CUT ALL THE OPENINGS. THE SIZE OF THE ACCESS PANEL SHALL BE DETERMINED BY THE

- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.

PROVIDE SYSTEM DOCUMENTS AS APPLICABLE:

- EQUIPMENT CUT SHEETS & CA SFM LISTINGS
- PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7) SYSTEM RECORD OF COMPLETION & ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2)
- EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8)
- EVALUATION DOCUMENTATION (NFPA 72, 7.3.9)
- SOFTWARE & FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2)

BATTERY CALCULATION

(E) EVAC Network Transponder Panel 'FAVC-F1'

POWER REQUIREMENTS

	CURRENT [A]		
	SUPERVISORY	ALARM	
(E) ILI-MB-E3 (SLCs at max. output)	0.0810	0.1500	
(E) LCD-E3 (Panel Display)	0.0240	0.2800	
(E) PM-9 (Power Supply)	0.0500	0.0500	
(E) RPT-E3-UTP (Network Repeater)	0.0160	0.0170	
(E) INI-VG (Voice Gateway)	0.1500	0.1500	
(E) AM-50-70 (Amp)	0.0490	2.3000	
AUDIO Circuit 1, (E)+(N) devices	-	0.0000	
NAC Circuit 1, (E)+(N) devices	-	0.4800	
TOTALS	0.3700	3.4270	

BATTERY CAPACITY

SUPERVISORY POWER (24 HOURS)	= 24 Hr * 0.37A	=	8.880 AHr
ALARM POWER (15 MINUTES)	= 0.25 Hr * 3.427A	=	0.857 AHr
	TOTAL POWER REQUIREMENT	=	9.737 AHr
MINIMUM BATTERY CAP.	ACITY (includes 25% safety factor)	=	13 AHr

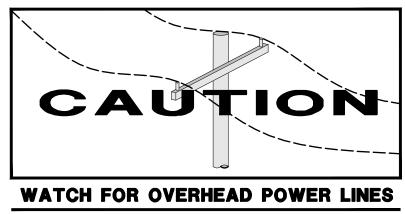
- VD = Voltage Drop [V]
- K = 12.9 (Copper Constant)
- CM = Circular Mils (#12 AWG = 6530)
- V = Voltage [V] (24VDC)
- VD%= <u>VD</u> = 6.6%

Volt Drop Common Parameters

Wire Resistance 3 26 ohm/Kft

	INDOOR		OUTDOOR			CIRCUIT LENGTH					
Туре				er.					Total	Max	Actual
Wattage Tap	1/4 W	1/2 W	1W	2W	1/4W	1/2W	1W	2W	Watts	Length	Length
v1 (E)+(N)			4					1	6	15141	840

FIRE ALARM CALCULATIONS













FIRE ALARM SYMBOLS SCHEDULE:

GAMEWELL/FCI #E3 SERIES

GAMEWELL/FCI #INCC-MIC

GAMEWELL/FCI #NGA

GAMEWELL/FCI #INX

GAMEWELL/FCI #INX W/

GAMEWELL/FCI #ASD-PL2F

GAMEWELL/FCI #ATD-HL2F

EATON/WHEELOCK #ELSPSTWC

EATON/WHEELOCK #ET-1010-R

GAMEWELL/FCI #B501

GAMEWELL/FCI #B501

DESCRIPTION

16/2 TWISTED PAIR, STRANDED, LOW CAPACITANCE

FA POWER LIMITED, RISER CABLE (FPLR)

16/2 TWISTED PAIR, STRANDED, AQUASEAL

FA POWER LIMITED, RISER CABLE (FPLR)

14/2 SHIELDED TWISTED PAIR, STRANDED

FA POWER LIMITED, RISER CABLE (FPLR)

14/2 TWISTED PAIR, STRANDED, AQUASEAL

FA POWER LIMITED, RISER CABLE (FPLR)

14/2 SHIELDED TWISTED PAIR, STRANDED, AQUASEAL

FA POWER LIMITED CABLE (FPL)

12/2 TWISTED PAIR, STRANDED

FA POWER LIMITED CABLE (FPL)

FA POWER LIMITED CABLE (FPL)

14/2 TWISTED PAIR, STRANDED

FA POWER LIMITED CABLE (FPL)

12/2 TWISTED PAIR, STRANDED

SHORT CIRCUI

GROUND FAULT

ILI-MB-E3, LCD-E3, INI-VGX, PM-9, AM-50

(E) FIRE ALARM CONTROL PANEL WITH EVAC

(E) FIRE ALARM NETWORK TRANSPONDER

(E) FIRE ALARM NETWORK TRANSPONDER

SPEAKER/VISIBLE NAC DEVICE, WALL MT'D

FIRE ALARM CABLE SCHEDULE:

(WATTS & cd INDICATED ON PLANS)

EXTERIOR SPEAKER, W.P., WALL MT'D

SIGNALING LINE CIRCUIT (SLC) CABLE

SIGNALING LINE CIRCUIT (SLC) CABLE, OSP

NOTIFICATION APPLIANCE CKT (NAC) CABLE

EM. VOICE/ALARM COMM. (EV/AC) CABLE, OSP

EM. VOICE/ALARM COMM. (EV/AC) CABLE

INITIATING DEVICE CIRCUIT (IDC) CABLE

INITIATING DEVICE CKT (IDC) CABLE, OSP

WEST PENN #D990

WEST PENN #AQC225

WEST PENN #998S

WEST PENN #HF995

WEST PENN #AQC295

WEST PENN #994S

WEST PENN #AQC226

POWER CABLE

ACTION

NO SCALE

ANNUNCIATE TROUBLE

NNUNCIATE ALARM

ITIATE NOTIFICATION APPLICANCES

OPERATION MATRIX

FIRE ALARM SEQUENCE OF

NITIATE EV/AC APPLICANCES ANSMIT TO CENTRAL STATION

WEST PENN #998S

(WATTS INDICATED ON PLANS)

SMOKE DETECTOR, PHOTOELECTRIC

ATTIC HEAT DETECTOR, 190°F

(E) REMOTE ANNUNCIATOR

'FAVC-F1'

DETECTOR BASE

DETECTOR BASE

(E) REMOTE PAGING MICROPHONE

FCP

FAVC

 \mathbf{O}_{λ}



CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS **BORIS ELEMENTARY SCHOOL** FIRE ALARM NOTES & DETAILS

CSFM LISTING

7165-1703:0125

7165-1703:0125

7165-1703:0125

7165-1703:0125

7165-1703:0125

7272-1703:0121

7300-1653:0109

7270-1703:0115

7300-1653:0109

7320-0785:0505

7320-0785:0105

FOR DSA USE ONLY

DSA APP # 02-120132

CONST. DOCUMENTS E201

27. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

CONTINUOUS AND SUPERVISED.

CONDUCTORS SHOWN. PROVIDE BARRIER TO SEPARATE FIRE ALARM SYSTEM WHEN TERMINAL CABINET IS SHARED WITH NON-FIRE ALARM SYSTEMS. CONTRACTOR SHALL BE REQUIRED TO SUBMIT WITH HIS OTHER SHOP DRAWINGS DETAILED DRAWINGS OF HIS PROPOSED CONNECTIONS AT EACH FIRE ALARM TERMINAL CABINET

31. ALL NAC CIRCUIT CONDUCTORS SHALL BE #12 AWG, STRANDED (19 STRANDS OR LESS) COPPER, UNLESS OTHERWISE NOTED.

36. THE FAS INSTALLER SHALL PROVIDE ALL FACTORY WARRANTIES TO THE OWNER AT THE CLOSE UP OF THE PROJECT.

- 39. WHEN FIRE ALARM WORK WILL DISABLE PORTIONS OF THE EXISTING FAS, PROVIDE ALL REQUIRED OVERTIME AND FIRE WATCH IN SCOPE OF WORK.
- MAN ACCESS REQUIREMENTS. PROVIDE PAINT GRADE ACCESS DOORS AND PAINT TO MATCH THE COLOR & SHEEN OF THE EXISTING CEILING.
- 41. FIRE ALARM SYSTEM INSPECTION, TESTING, AND MAINTENANCE SHALL COMPLY WITH NFPA 72, CHAPTER 14.
- 42. PROVIDE FIRE ALARM RECORD DOCUMENTS CABINET NFPA 72, 7.7.2
 - · EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION - THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "FIRE ALARM SYSTEM RECORD DOCUMENTS". - ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
 - CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.

- RECORD DRAWINGS/AS-BUILTS
- ALTERNATIVE MEANS AND METHODS
- RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6)

VOLTAGE DROP CALCULATION

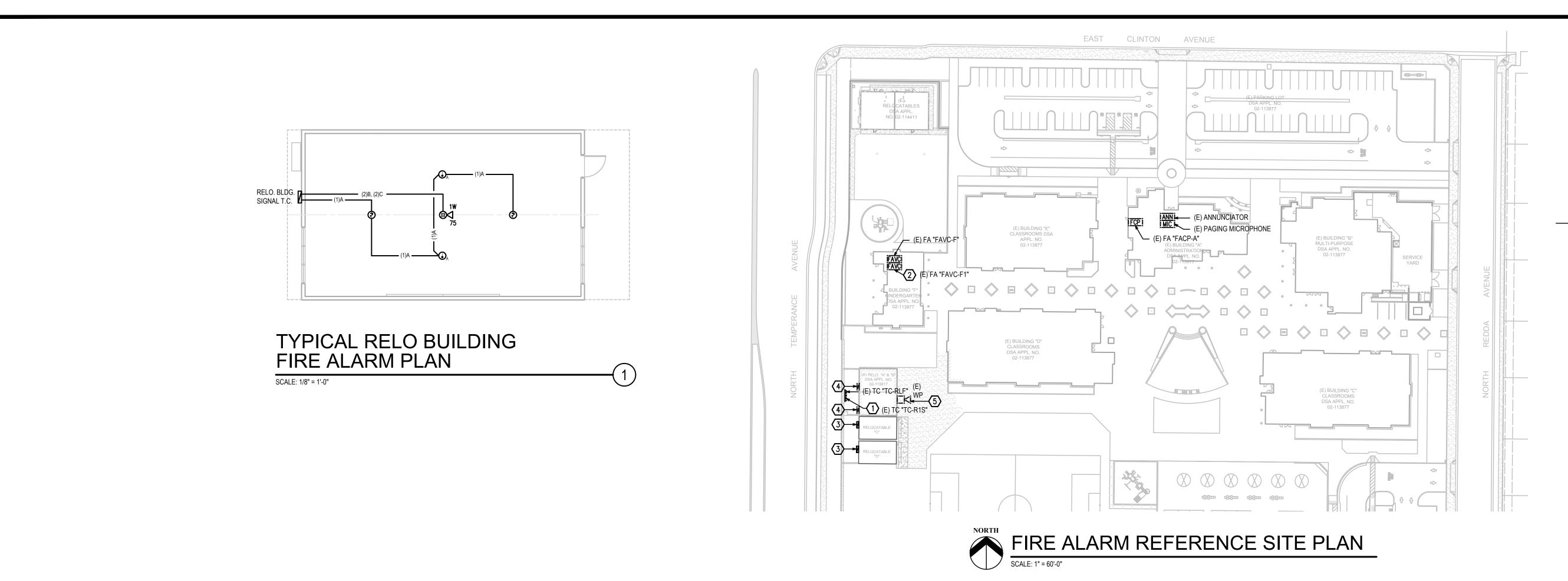
(E) NAC Circuit 'n1', (E)+(N) devices

- I = Current [A] (0.48A)
- L = Distance to Load [ft.] (830')
- VD= K * I * 2L = 12.9 * 0.48 * 2 * 830' = 1.574 V CM

VOICE EVACUATION SPEAKER VOLTAGE DROP

Volts	70.7 ▼	Volts
Wire Size	14 ▼	AWG
Mira Desistance	2 26	abm/l/ft

									oorotarroo	0.20	OTHER TAIL
	INDOOR			OUTDOOR			CIRCUIT LENGTH				
Туре									Total	Max	Actual
ttage Tap	1/4 W	1/2 W	1W	2W	1/4W	1/2W	1W	2W	Watts	Length	Length
v1 (E)+(N)			4					1	6	15141	840



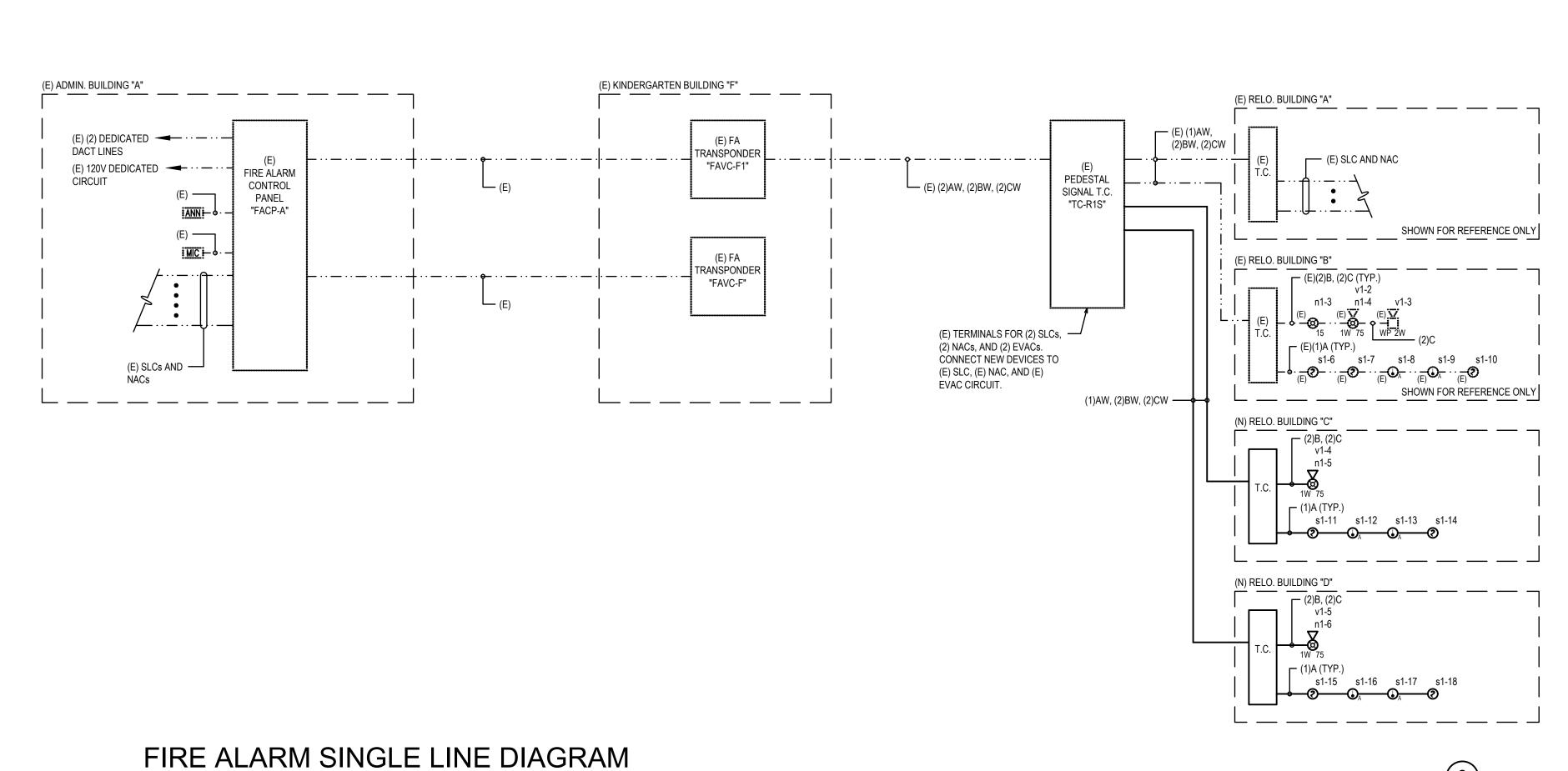
KEYNOTES ♦

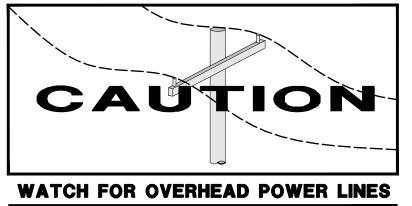
- 1. EXISTING PEDESTAL MOUNTED WEATHERPROOF TERMINAL CABINETS "TC-RLF" AND "TC-R1S". CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.
- 2. EXISTING FA TRANSPONDER PANEL "FAVC-F1", CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.

FOR DSA USE ONLY

DSA APP # 02-120132

- 3. RELO BUILDING SIGNAL TERMINAL CABINET. CONNECT FA PER FIRE ALARM SINGLE LINE
- 4. EXISTING RELO BUILDING SIGNAL TERMINAL CABINET, SHOWN FOR REFERENCE ONLY.
- 5. EXISTING EXTERIOR SPEAKER LOCATION, SHOWN FOR REFERENCE ONLY.













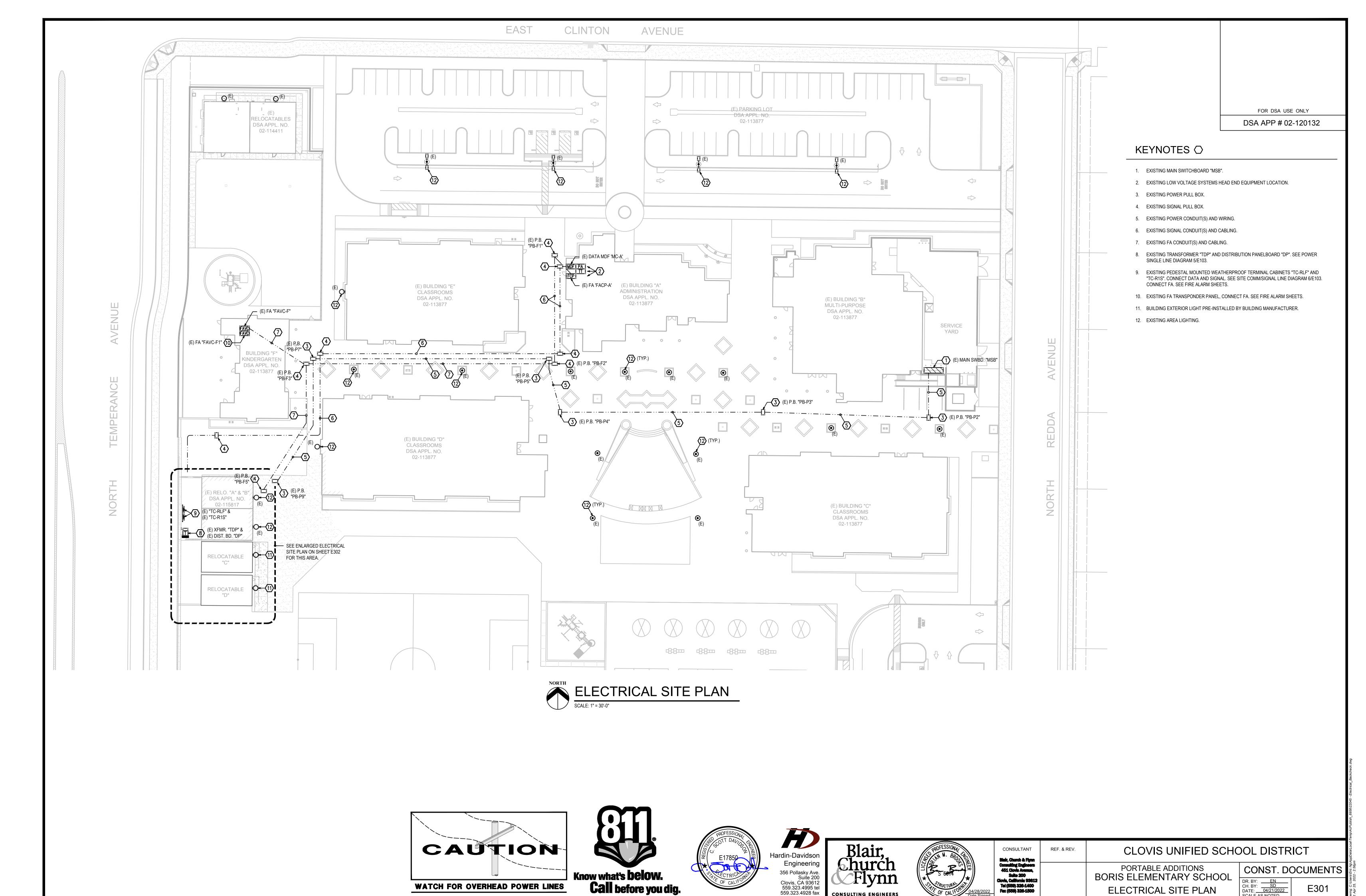




CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL CONST. DOCUMENTS FIRE ALARM SITE & BLDG. PLANS

| DR. BY: | EN | CH. BY: | SD | DATE: | 04/21/2022 | SCALE AS NOTED |



Know what's **below. Call before you dig.**

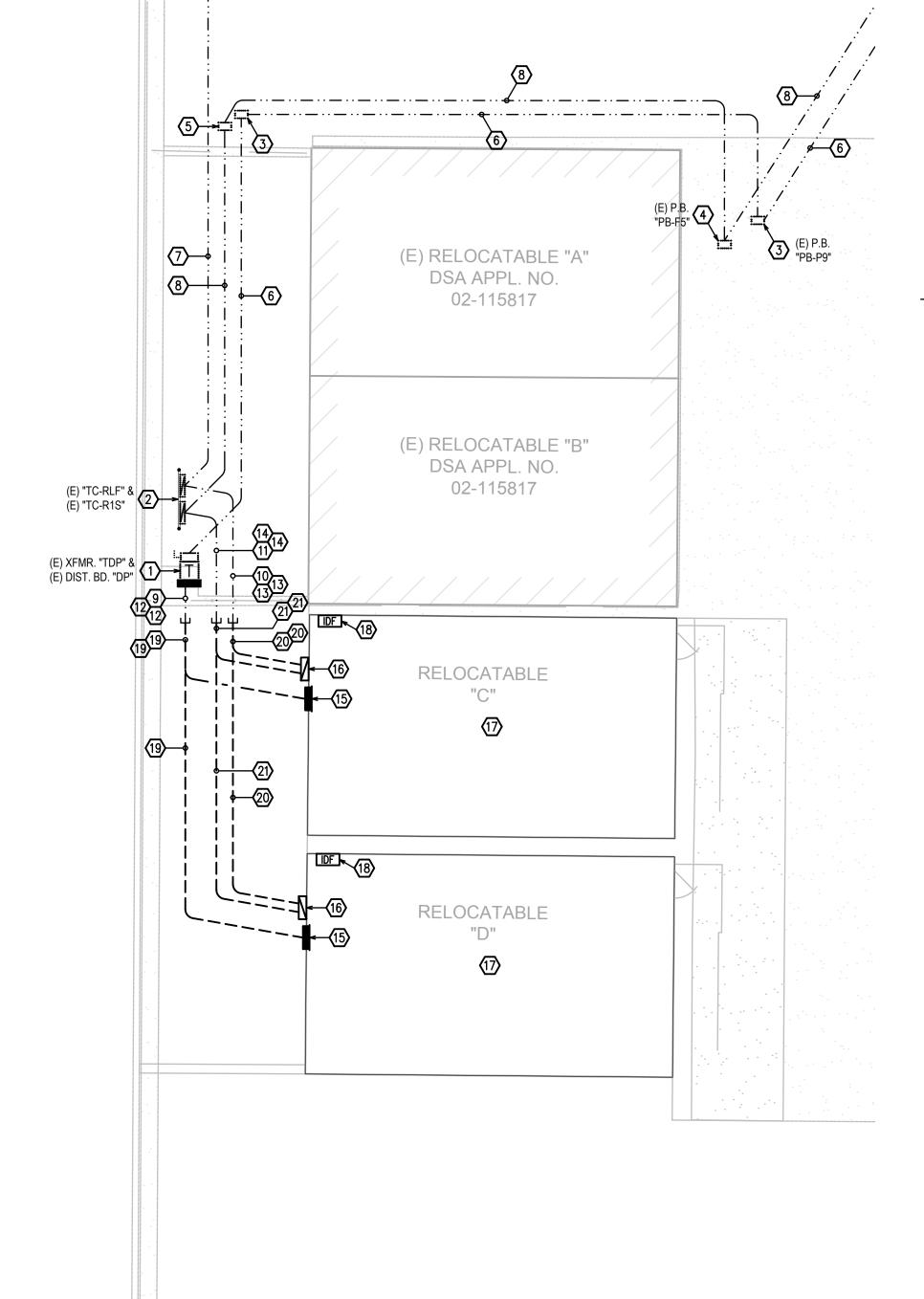
WATCH FOR OVERHEAD POWER LINES

356 Pollasky Ave. Suite 200 Clovis, CA 93612 559.323.4995 tel

CONSULTING ENGINEERS

PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL CONST. DOCUMENTS ELECTRICAL SITE PLAN

E301



DSA APP # 02-120132

FOR DSA USE ONLY

KEYNOTES ♦

- EXISTING TRANSFORMER "TDP" AND DISTRIBUTION PANELBOARD "DP". SEE POWER SINGLE LINE DIAGRAM 5/E103.
- 2. EXISTING PEDESTAL MOUNTED WEATHERPROOF TERMINAL CABINETS "TC-RLF" AND "TC-R1S". CONNECT DATA AND SIGNAL. SEE SITE COMM/SIGNAL LINE DIAGRAM 6/E103. CONNECT FA. SEE FIRE ALARM SHEETS.
- 3. EXISTING POWER PULL BOX.
- 4. EXISTING SIGNAL PULL BOX.
- 5. EXISTING FIRE ALARM PULL BOX.
- 6. EXISTING POWER CONDUITS AND WIRING.
- 7. EXISTING DATA AND SIGNAL CONDUIT AND CABLING.
- 8. EXISTING FIRE ALARM CONDUITS AND CABLING.
- 9. EXISTING (7) 1 1/2"C. POWER SPARES.
- 10. EXISTING (7) 2"C. DATA SPARES.
- 11. EXISTING (7) 2"C. SIGNAL AND (7) 1"C. FA SPARES.

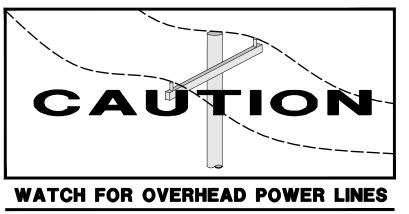
FA CABLING THROUGH EXISTING CONDUITS.

- 12. INTERCEPT AND EXTEND EXISTING 1 1/2"C. POWER SPARE. PULL CONDUCTORS
- THROUGH EXISTING CONDUIT.

 13. INTERCEPT AND EXTEND EXISTING 2"C. DATA SPARE. PULL DATA CABLING THROUGH
- EXISTING CONDUIT.

 14. INTERCEPT AND EXTEND EXISTING 2"C. SIGNAL AND 1"C FA SPARES. PULL SIGNAL AND
- 15. CONNECT POWER TO RELO. BUILDING PANELBOARD PRE-INSTALLED BY BUILDING MANUFACTURER AND GROUND PER DETAIL 1/E102 AND 2/E102. BOND ALL BUILDING MODULES TOGETHER PER DETAIL 3/E102.
- 16. RELO. SIGNAL T.C.: NEMA 3R HINGED AND LOCKABLE ENCLOSURE AT +66" TO TOP. INSTALL WIRE GUTTER AT ATTIC HEIGHT WITH (3) 2"C. EXTERIOR RISERS AND NIPPLES INTO ACCESSIBLE ATTIC; PAINT TO MATCH BUILDING. INSTALL PATCH PANELS AND MAKE TERMINATIONS AT INTERIOR. SEE SITE COMM/SIGNAL LINE DIAGRAM 6/E103 AND DETAIL 4/E102.
- 17. ASSEMBLE RELO. BUILDING. RECONNECT POWER AND LIGHTING SYSTEMS SEPARATED PRIOR TO TRANSPORT. PROVIDE INTERIOR ELECTRICAL IMPROVEMENTS PER DETAIL 3/E103. PROVIDE FIRE ALARM SYSTEM PER FIRE ALARM SHEETS.
- 18. PROVIDE IDF PER DETAIL 5/E102 AND SPECIFICATIONS. INSTALL OUTLET AT INTERIOR AND CONNECT TO DEDICATED 20A 120V CIRCUIT IN RELO PANELBOARD.
- 19. 1 1/2"C. POWER FEEDER TO RELO BUILDING PANELBOARD. SEE POWER SINGLE LINE DIAGRAM 5/E103.
- 20. 2"C. FIBER TO RELO BUILDING T.C. PROVIDE CABLING AND CONNECTION PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.
- 21. 2"C. SIGNAL AND 1"C. FA TO RELO BUILDING T.C. PROVIDE CABLING AND CONNECTION PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.



















CLOVIS UNIFIED SCHOOL DISTRICT

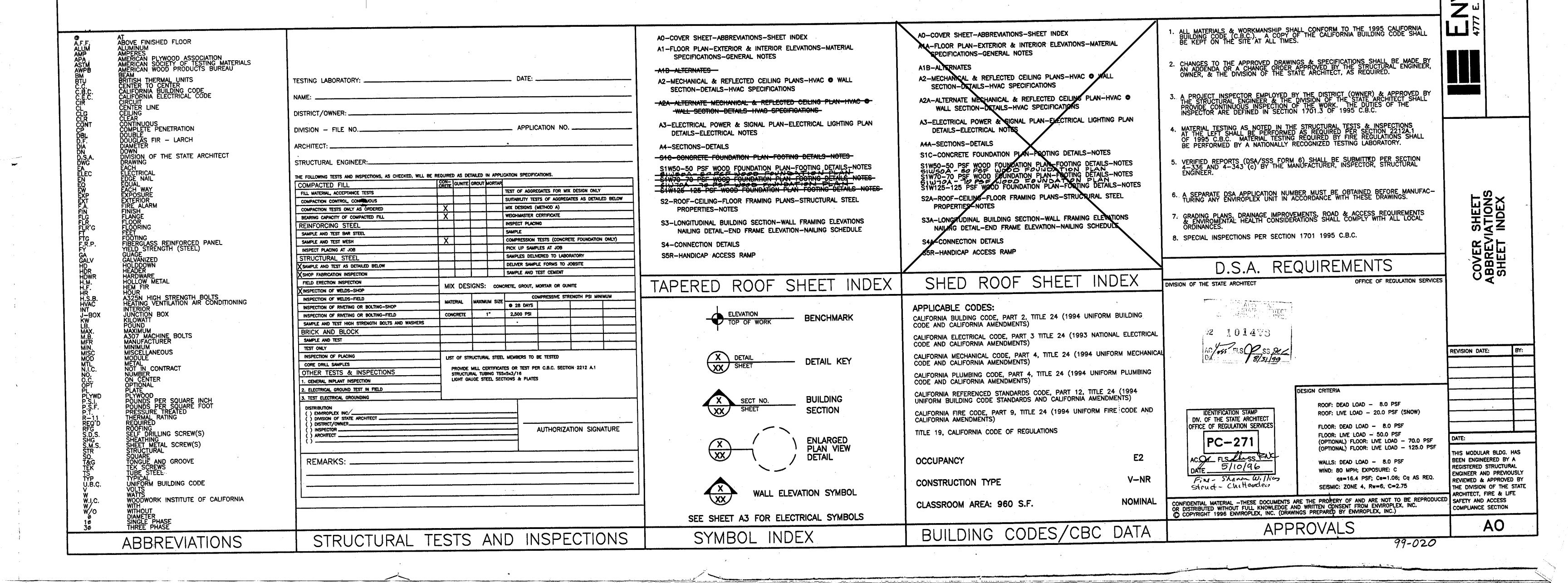
PORTABLE ADDITIONS
BORIS ELEMENTARY SCHOOL
ENLARGED ELEC. SITE PLAN

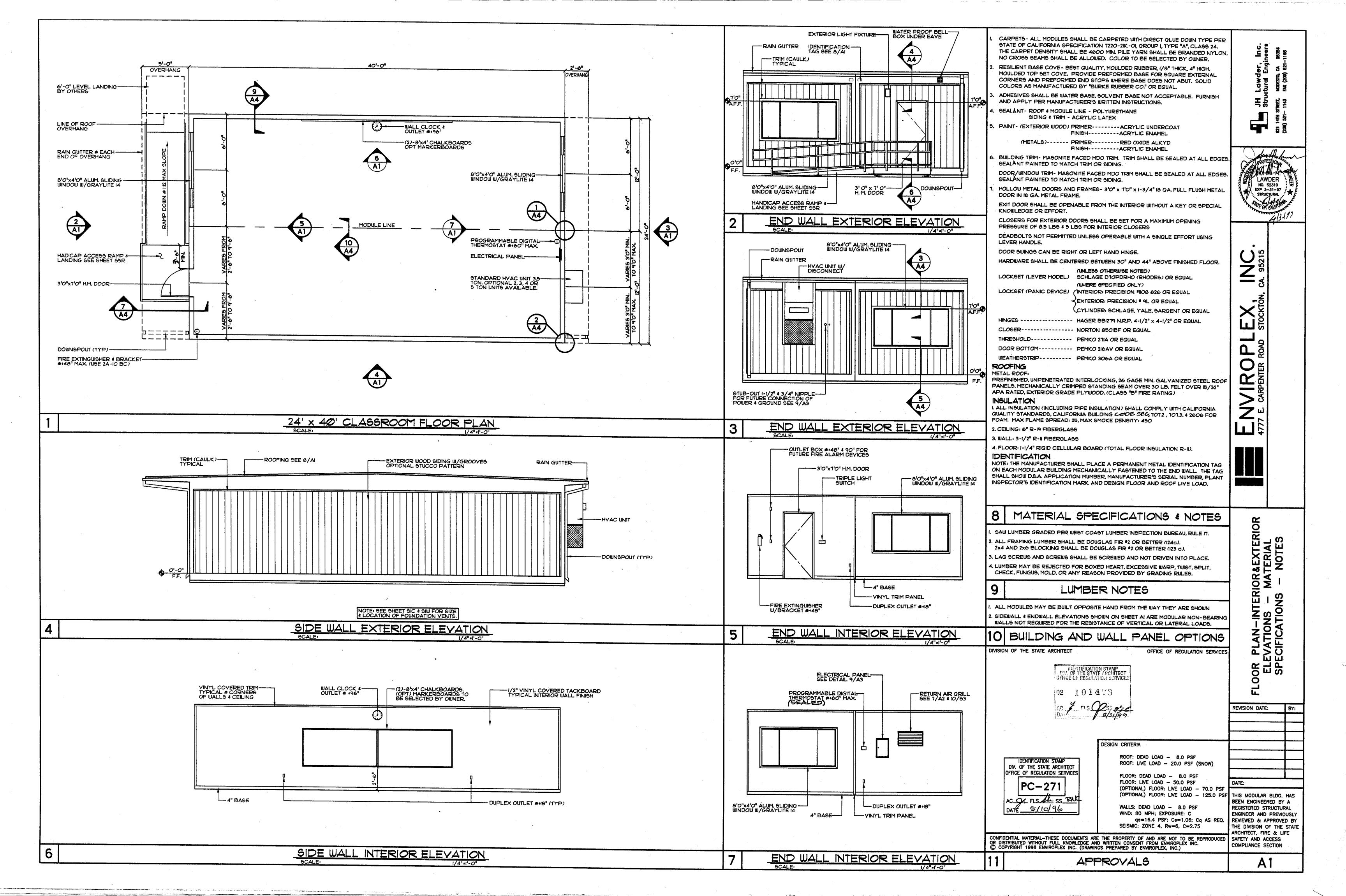
CONST. DOCUMENTS

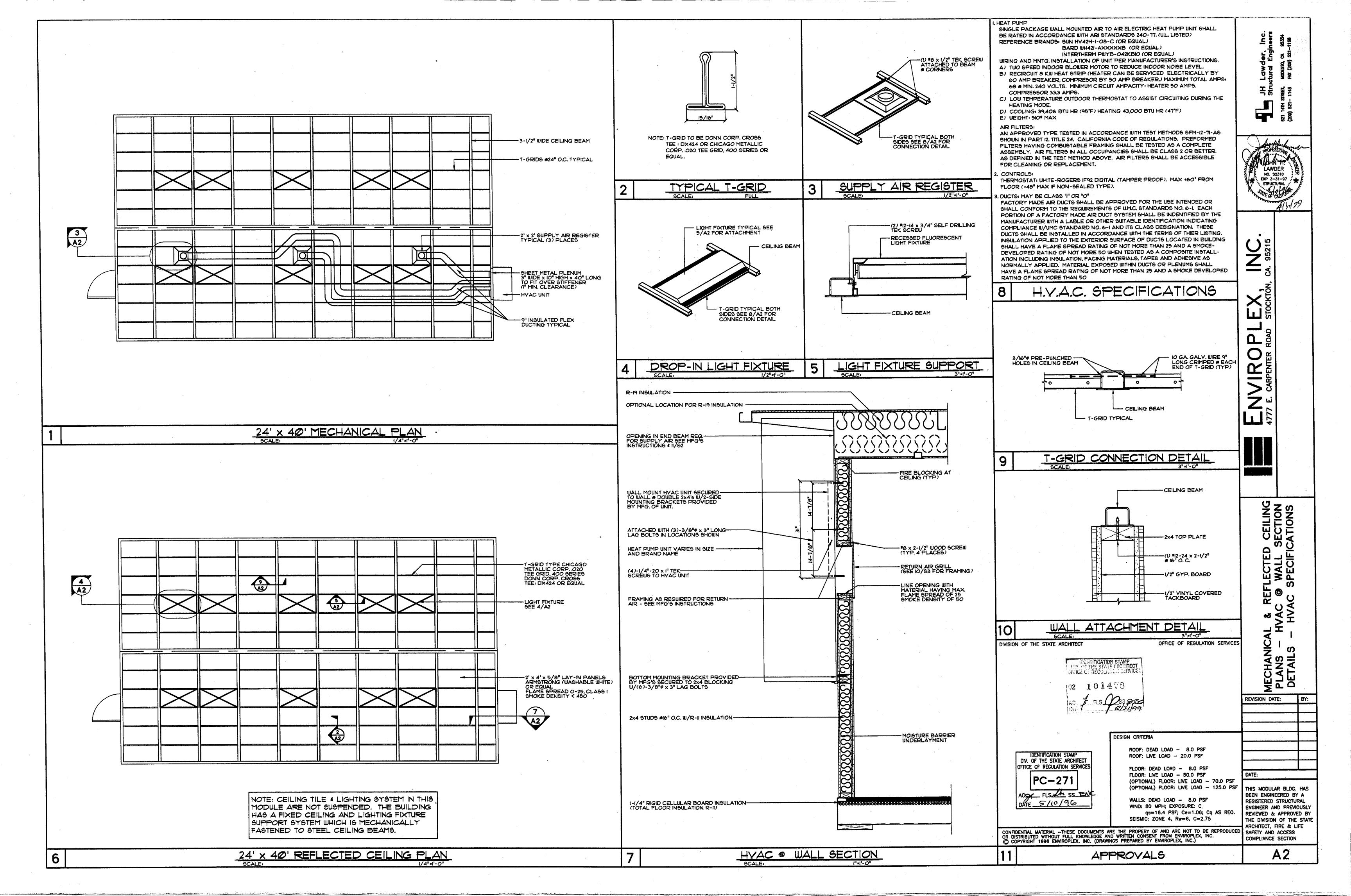
E302

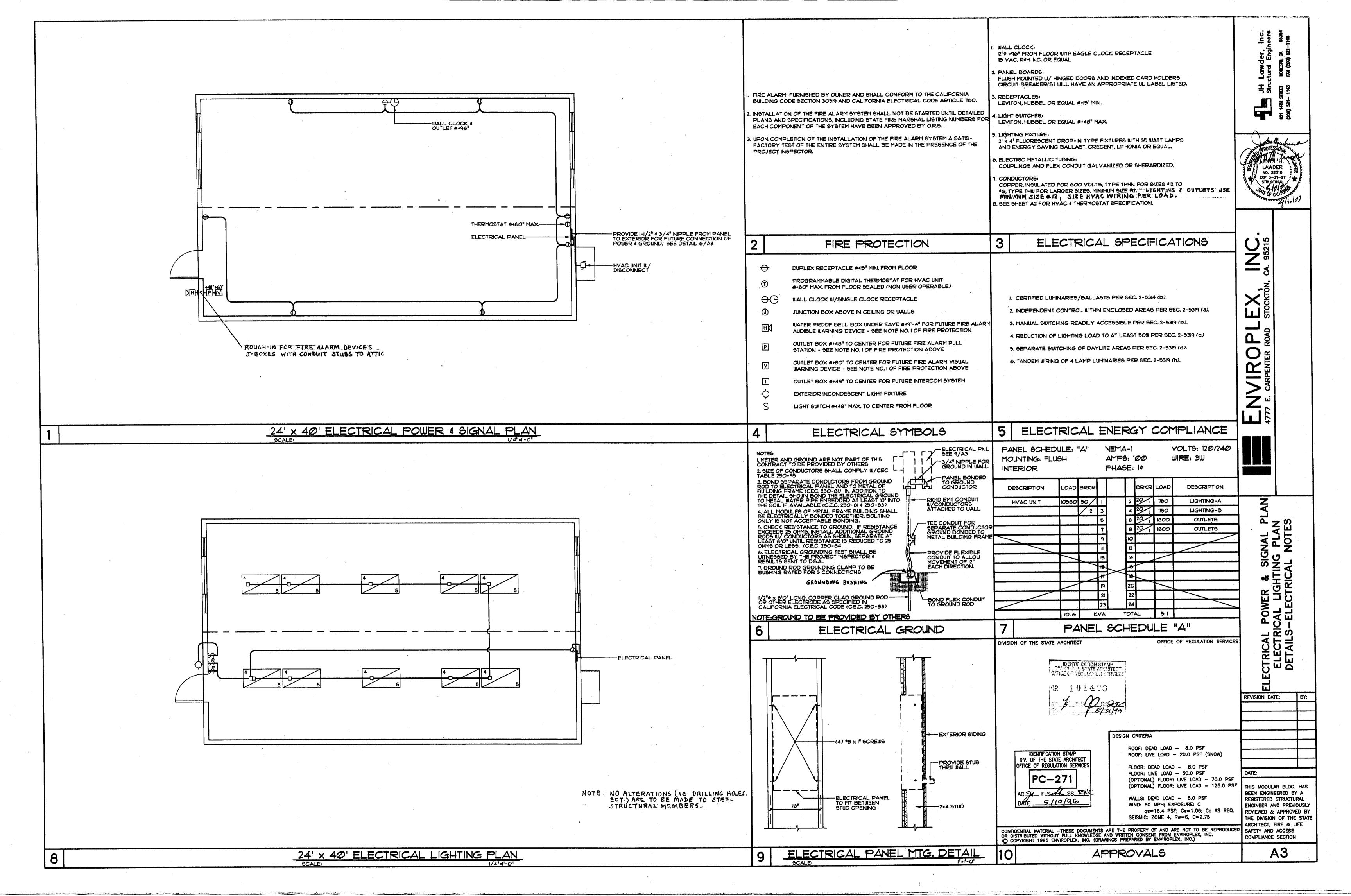
ENVIROPLEX, INC.

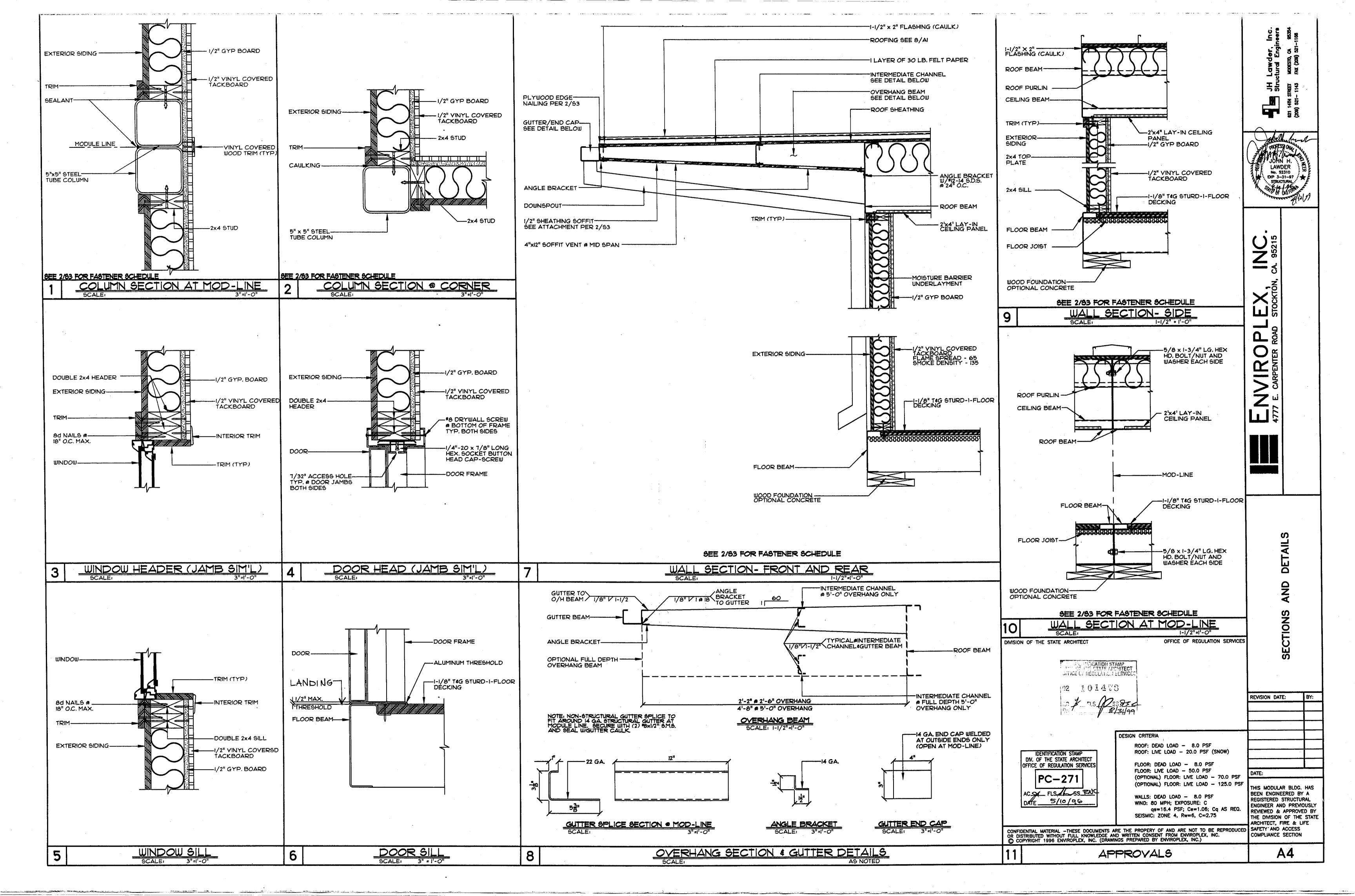
RIGID STEELFRAME MODULAR BUILDING APPLICABLE TO RELOCATABLE CLASSROOMS 24' x 40' TO 180' x 40' (7,200 S.F.)

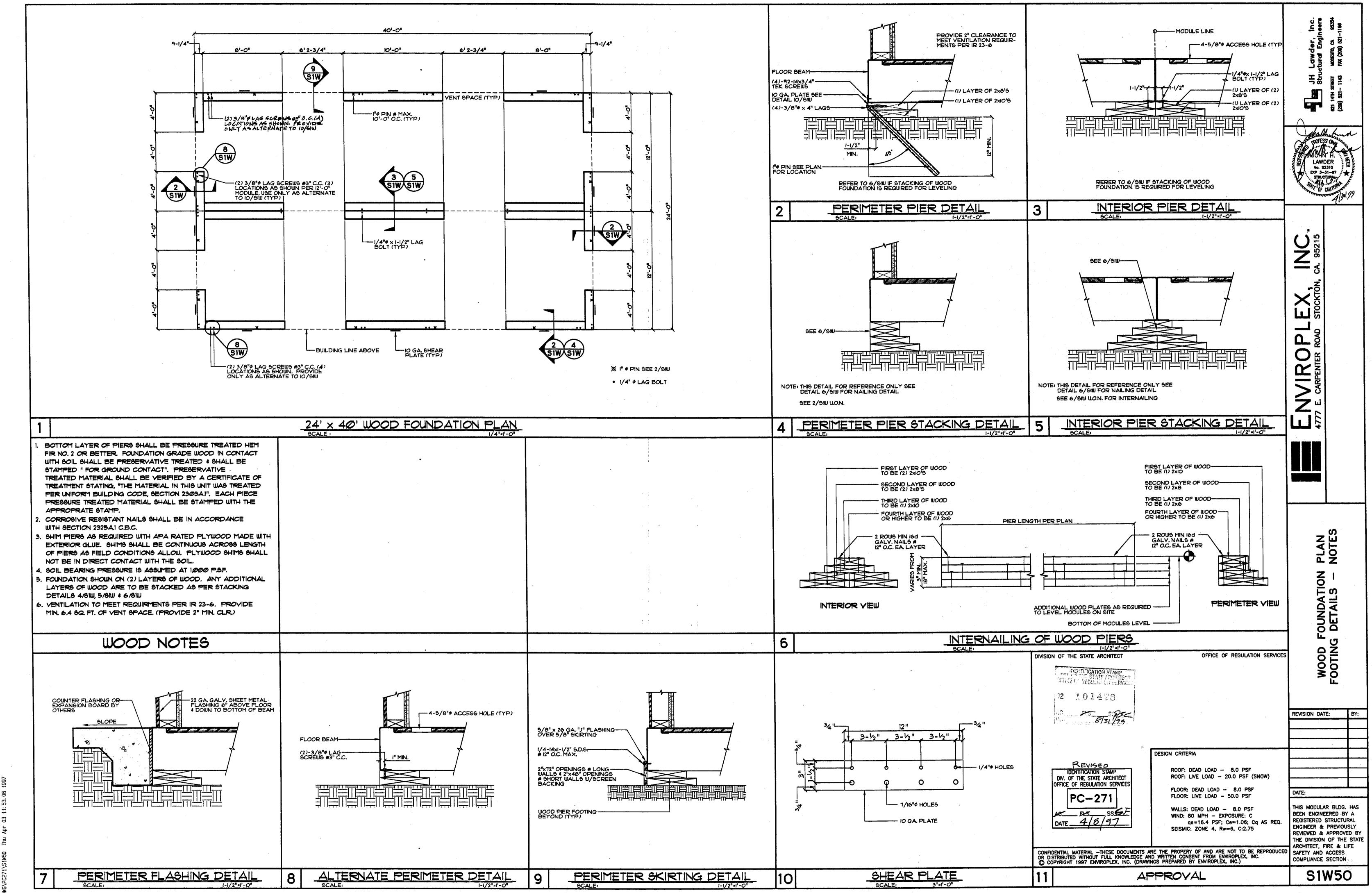


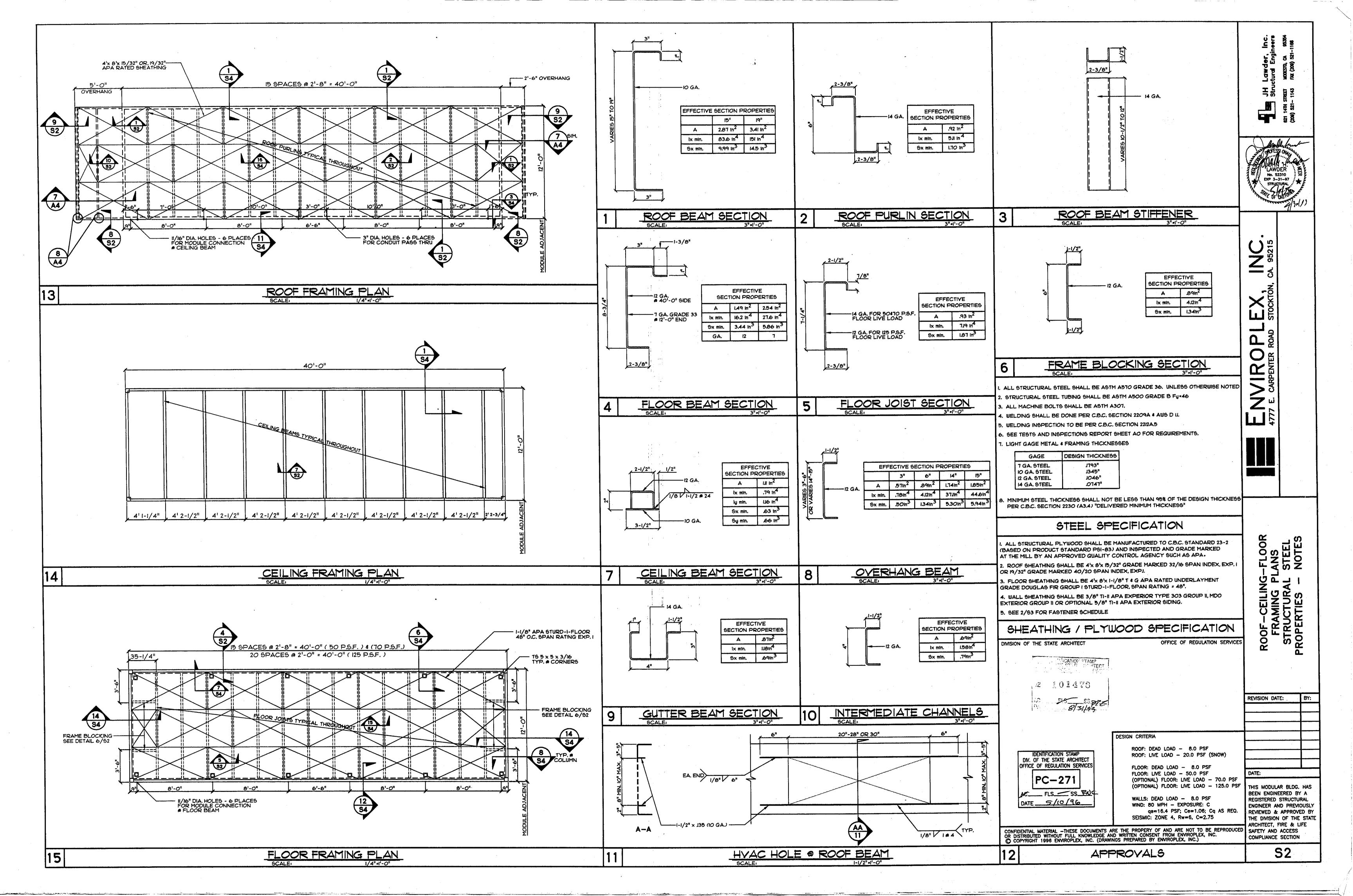


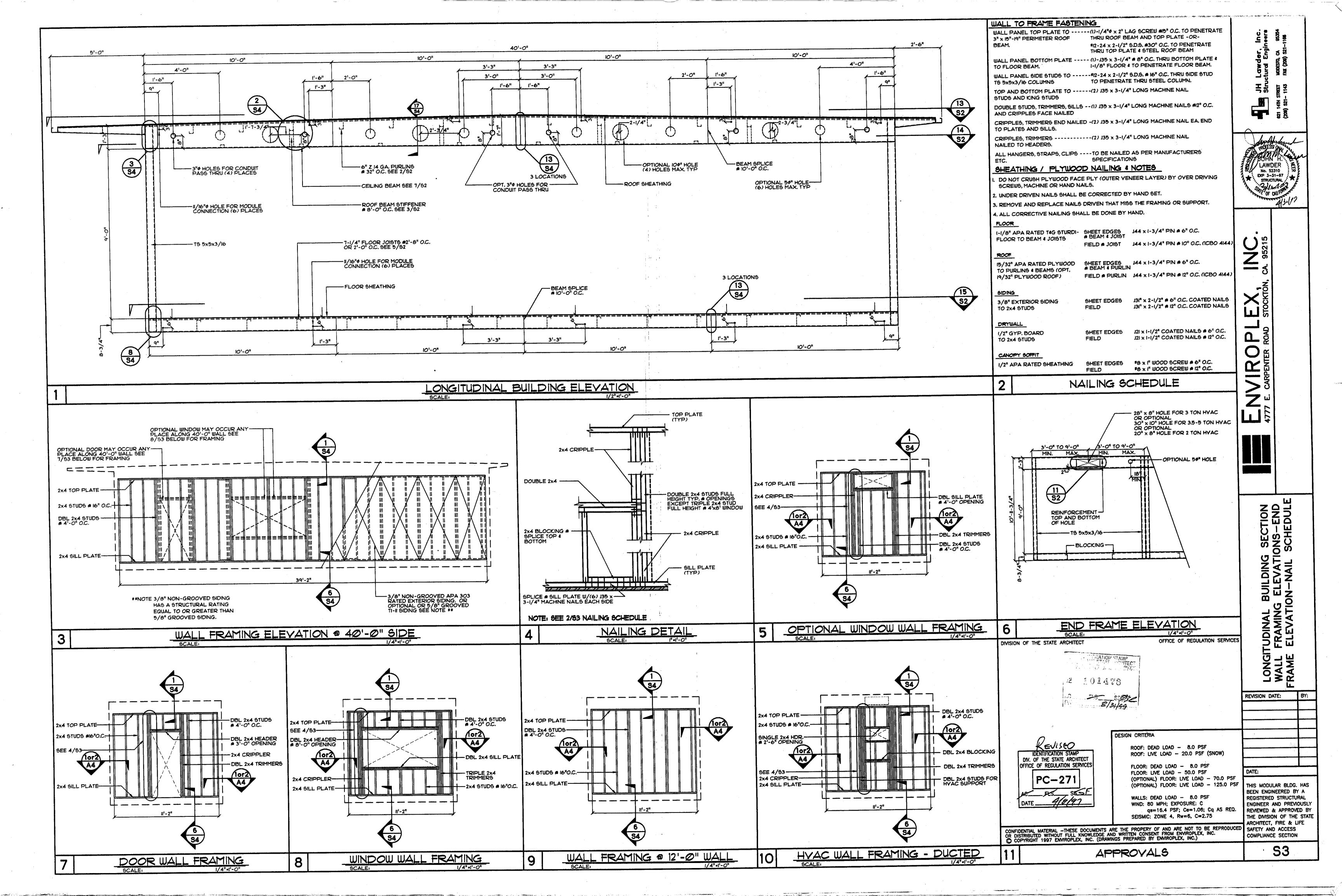


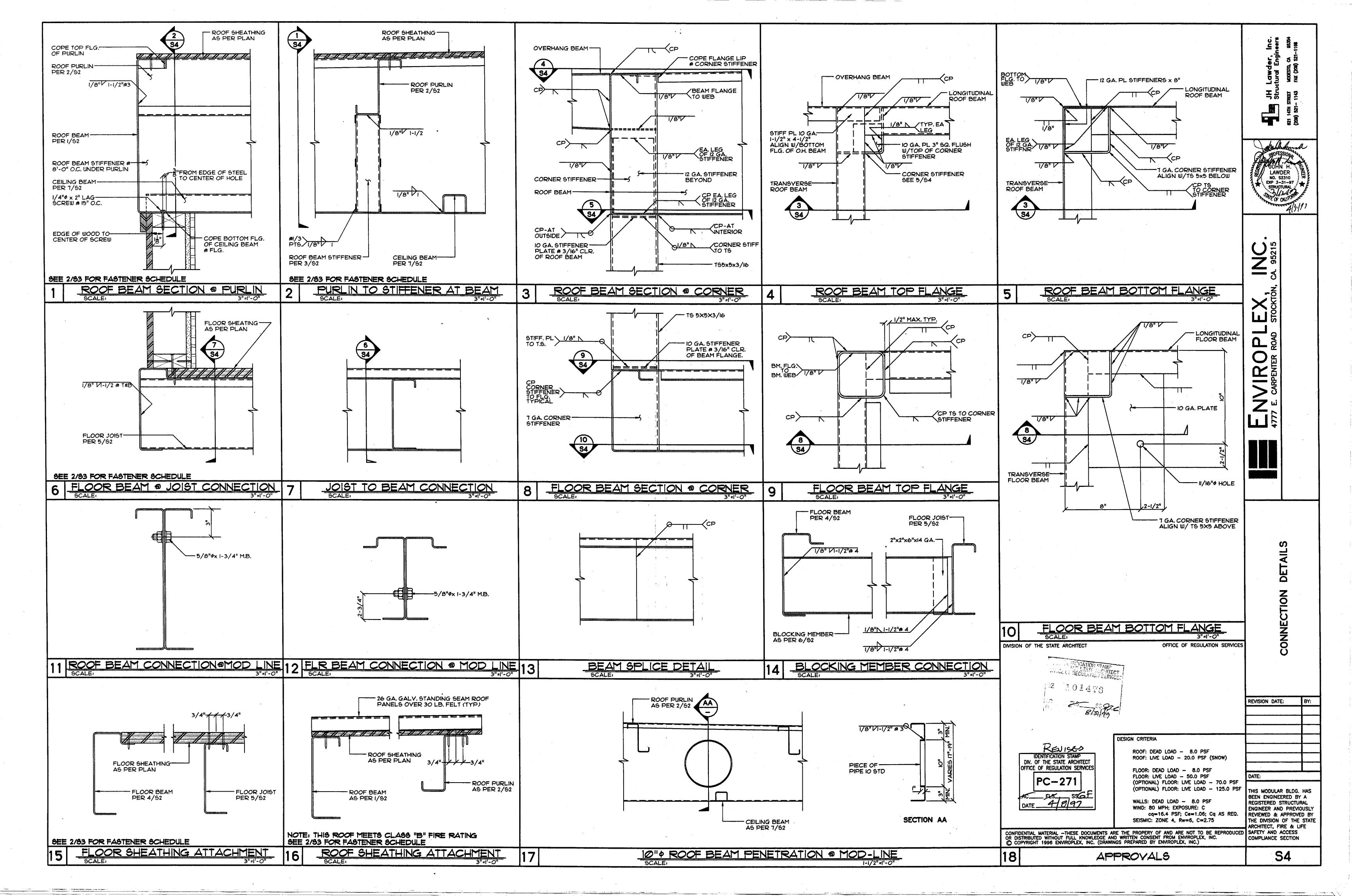


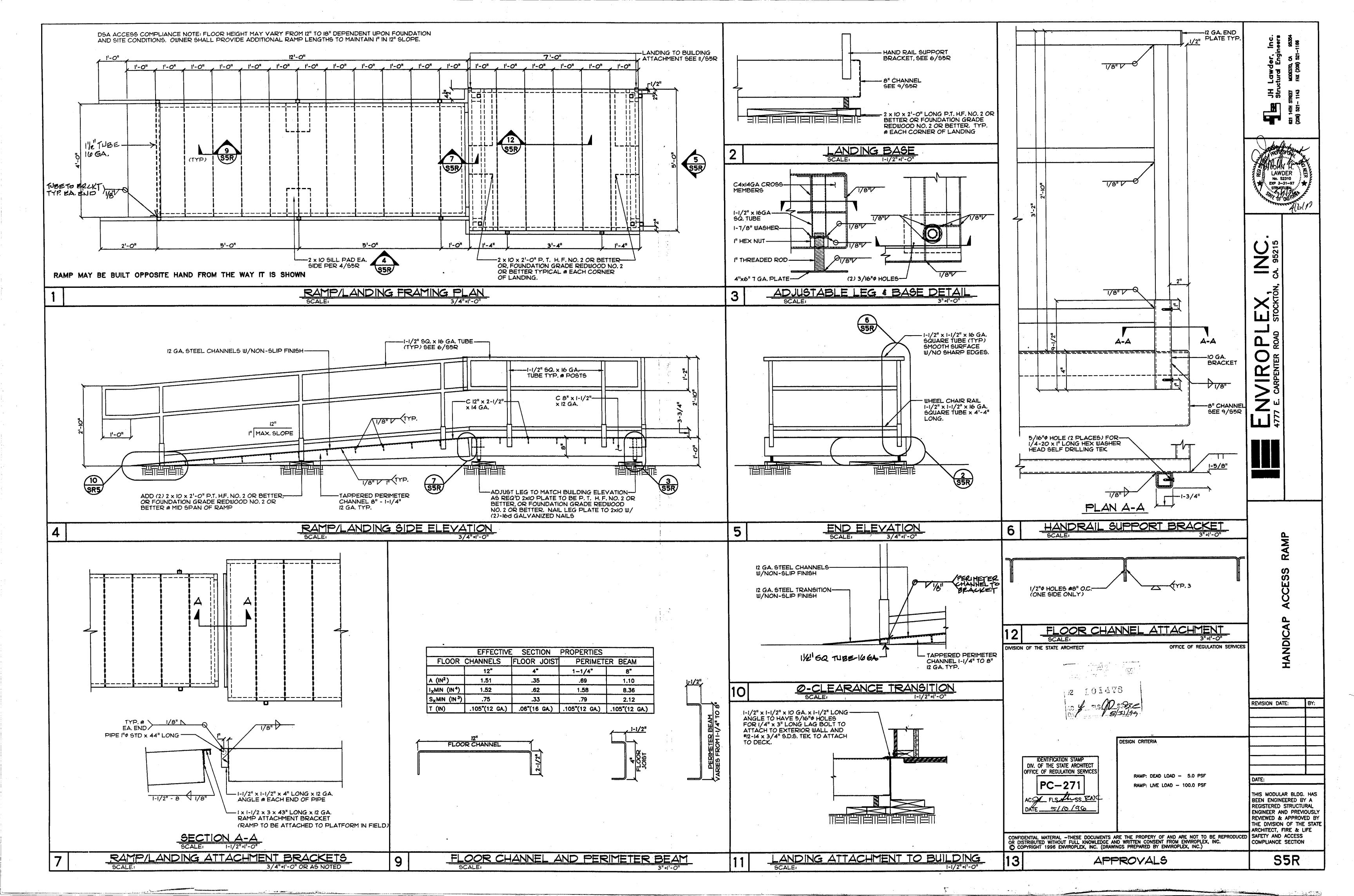












11450 MISSION BLVD

SITE SPECIFIC APPROVAL

DSA PC STAMP

PRE-CHECK (PC) DOCUMENT

CODE: 2019 CBC A SEPARATE PROJECT APPLICATION

FOR CONSTRUCTION IS REQUIRED

APPROVAL - PC ENGINEER OF RECORD

Date Signed: September 24, 2020

DSA FOUNDATION PLANS

FOR EXISTING STOCKPILE BUILDINGS

(BASED ON PC 04 - 119396)

WITH OPTIONAL $S_s = 2.183$ AND $S_s = 3.08$ SEE SHEET F-1 FOR FOUNDATION PC ONLY LIMITATIONS

TITLE 24 CODES:

2019 California Administrative Code (CAC).... ... (Part 1, Title 24, CCR) 2019 California Building Code (CBC), Volumes 1 and 2 (Part 2, Title 24, CCR) (2018 International Building Code with 2019 California amendments)

2019 California Electrical Code (Part 3, Title 24, CCR)

(2017 National Electrical Code with 2019 California amendments)

......(Part 4, Title 24, CCR) 2019 California Mechanical Code (CMC)...... (2018 Uniform Mechanical Code with 2019 California amendments)

2019 California Plumbing Code (CPC) (Part 5, Title 24, CCR)

(2018 Uniform Plumbing Code with 2019 California amendments)

... (Part 6, Title 24, CCR) 2019 California Energy Code

2019 California Fire Code (CFC) (Part 9, Title 24, CCR)

(2018 International Fire Code with 2019 California Amendments)

2019 California Green Building Standards Code... ..(Part 11, Title 24, CCR) 2019 California Referenced Standards Code.. ...(Part 12, Title 24, CCR)

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:

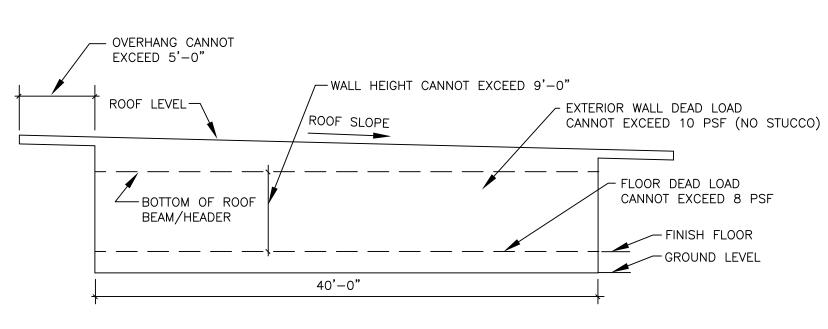
2019 CBC, Chapter 35

2019 CFC, Chapter 80

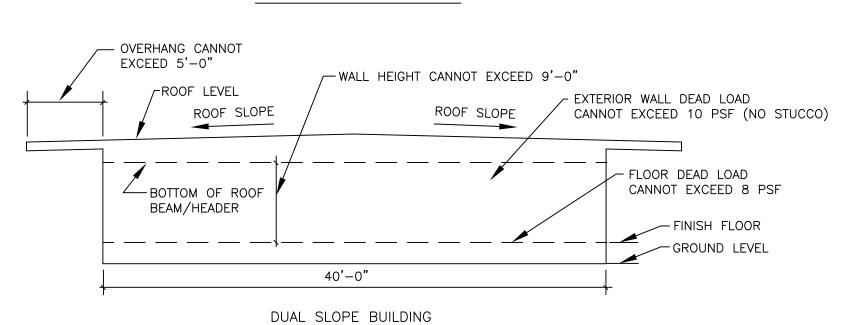
FOUNDATION PC ONLY LIMITATIONS

THIS WOOD FOUNDATION ONLY PC HAS BEEN DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS LISTED ON SHEET F-2 OF THESE DRAWINGS. THE DESIGN CALCULATIONS HAVE BEEN BASED ON THE FOLLOWING:

- A ROOF OVERHANG OF 5 FEET MAX
- A WALL HEIGHT OF 9 FEET MAX (FROM FINISH FLOOR IN BUILDING TO BOTTOM OF
- STEEL ROOF BEAMS/HEADERS)
- WALL DEAD LOAD OF 10 PSF (NO STUCCO)
- FLOOR DEAD LOAD OF 8 PSF
- SEE SEISMIC DESIGN DATA, SHEET F-1, FOR S_{DS} LIMITATIONS FOR SITE.
- THE TYPICAL ELEVATIONS BELOW ARE TO CLARIFY THESE LIMITATIONS. DOCUMENTATION SHALL BE PROVIDED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE, WHICH NEEDS TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.



SINGLE SLOPE BUILDING



	SHEET INDEX
ODTIONS	CHEET TITLE

	SHEET INDEX		2. RISK CATEGO
OPTIONS	SHEET TITLE	SHEET NUMBER	3.WIND EXPOS
			4. APPLICABLI
	GENERAL NOTES; APPLICABLE CODES;		co
COVER SHEET	BUILDING DATA; WIND DESIGN DATA,	F-1	
	EARTHQUAKE DESIGN DATA		EARTHQUA
ALL	DSA A NUMBER LISTING MATRIX	F-2	
BUILDING SIZE			1. SEISMIC IM
24X40	- □ 50 PSF + 20 PSF (Ss 2.183)	F-3	2. MAPPED SP
	— □50 PSF (Ss 2.183)	F-3	OPTION Ss:
		F-3A	Ss
	—— □50 PSF (Ss 3.08)	Г-3А	S1
	— □ 100 PSF (Ss 2.183)	Г-3В 	3. SITE CLASS
	— □ 125 PSF (Ss 2.183)	F-3B	4. SPECTRAL RI
	— □ 100 PSF (Ss 3.08)	3C	
	——□ 125 PSF (Ss 3.08)	3C	OPTION Ss:
36 X 40	□ 50 PSF + 20 PSF (Ss 2.183)	F-4	SDS
	□50 PSF (Ss 2.183)	F-4	SD1
	□ 50 PSF + 20 PSF (Ss 3.08)	F-4A	5. SEISMIC DES
	50 PSF (S=3.08)	F-4A	
	100 PSF (\$5 2 183)	F-4B	6. BASIC SEISM
	□ 125 PSF (Ss 2.183)	F-4B	SYSTEM
	□ 100 PSF (Ss 3.08)	F-4C	7. DESIGN BAS
	□ 125 PSF (Ss 3.08)	F-4C	OPT
48 ×4 0	□ 50 PSF + 20 PSF (Ss 2.183)	F-5	24'X40'
	□50 PSF (Ss 2.183)	F-5	
	□ 50 PSF + 20 PSF (Ss 3.08)	F-5A	36'X40'
	□50 PSF (S=3.08)	F-5A	48'X40'
	□ 100 PSF (Ss 2.183)	F-5B	8. SEISMIC RES
	□ 125 PSF (Ss 2.183)	F-5B	ОРТ
	□ 100 PSF (Ss 3.08)	F-5C	С
	□ 125 PSF (Ss 3.08)	F-5C	9. RESPONSE
ALL	REFERENCE DETAILS	F-6	10 ANIALYCIC F
ALL	DSA FORM 103	Г-7	10. ANALYSIS F
ALL	GENERAL SPECIFICATIONS	F-7A	
ALL	ADJACENT BLDGS DETAILS	F-8	
ALL	ADJACENT BLDGS DETAILS	F-9	11. FLOOD DES

DESIGN DATA						
NUMBER OF STORIES:	1-STORY					
OCCUPANCY:	⊿ E-	·1		E-2	□ E-3	
TYPE OF CONSTRUCTION:	VB					
FLOOR LIVE LOAD:	1 50 PSF	□ 50 PSI	F + 20 PS	SF PARTITI	ON LOAD	
FLOOR LIVE LOAD:	□ 100 PSF		□ 125 F	PSF		
ROOF LIVE LOAD:	■ 20 PSF (PROJECT IS NOT LOCATED IN A SNOV LOAD AREA				N A SNOW	
BUILDING AREA:	□ 24'X40'	(960 S.F.)			
	□ 36'X40' (1,440 S.F.)					
	□ 48'X40'	(1,920 S	.F.)			
ALLOWABLE BUILDING						
AREA (MAX):	9,500 S.F.					
FOUNDATION:	■ WOOD	■ WAI\			-PERMANENT	
		DURA	BILITY FOUNDATION			
WIND DESIGN	DATA		SECTIO	N 1603.A.:	1.4	
1. ULTIMATE WINGUST (MPH):	D SPEED .3	SEC		11	0	
2. RISK CATEGORY	' :		11			
3.WIND EXPOSUR	E:		"C"			
4. APPLICABLE IN COEFF	TERNAL PR	ESSURE		+ or -	0.18	
				Kzt =	1.0	
EARTHQUAKE	DESIGN [DATA	S	SECTION 1	603.A.1.5	
1. SEISMIC IMPOR	RTANCE FAC	TOR:		1		
2. MAPPED SPECT	RAL RESPO	NSE:				
OPTION Ss:		3.0	08/	2.183		
Ss	3.0)8/	2.183			

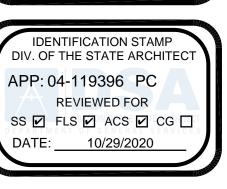
4. SPECTRAL RESPONSE COEF	FICIENTS:	
OPTION Ss:	3.08	2.183
SDS	2.464	1.476
SD1	1.574	1.574
5. SEISMIC DESIGN CATEGOR	Υ:	Е
6. BASIC SEISMIC-FORCE-RES SYSTEM	□ LIGHT MODULAR STEEL MOMENT FRAME	
7. DESIGN BASE SHEAR:		
OPTION	3.08	2.183
24'X40'	16,210#	11,480#
36'X40'	24,310#	17,210#
48'X40'	32,420#	22,950#
8. SEISMIC RESPONSE COEFF	ICIENT (Cs)	
OPTION	3.08	2.183
Cs	0.493	0.349
9. RESPONSE MODIFICATION	N FACTOR (R)	3.5
10. ANALYSIS PROCEDURE US	SED:	EQUIVALENT LATERAL FORCE
	NO HORIZONTAL OR VERTICAL IRREGULARITIES PRESENT	
11. FLOOD DESIGN DATA:		PROJECT IS NOT LOCATED IN FLOOD ZONE
I C OF CONTE	NITC	

1.389

1.389

				TABLE OF	CONTENTS		
	MEMBER STRUCTURAL ENGINEERS	Sheet N	0	Descrip	tion	Dated	Revised
STRUCTURAL ENGINEERS, INC.	ASSOCIATION OF CALIFORNIA						
	AMERICAN CONCRETE INSTITUTE						
4091 RIVERSIDE DRIVE, SUITE 114 CHINO, CALIFORNIA 91710	(909) 613-0234						
	Fax(909) 613-0238	_					
his drawing and the material contained therein are the	property of						
Mobile Modular Management Corporation (MMMC) and sho copied or otherwise disposed of directly or indirectly and	all not be reproduced,						
n whole or in part to assist in the making of, or for the waking of drawings,	he purpose of						
arts thereof without the full knowledge and written con Ill patentable material contained herein and originating							
pe the property of MMMC.							

PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



396 0 \bigcirc

CHECKED AUG. 15, 2020 JOB NO.

NUFACTURER OF DULAR BUILDING		BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
MB	A04106168	PC 04-104778	2004	48 X 40	50
MB	A04106292	PC 04-104778	2004	48 X 40	50
MB	A04106743	PC 04-104778	2005	24 X 40	50
MB	A04107176	PC 04-104778	2005	48 X 40	50
MB	A04107310	PC 04-104778	2006	24 X 40	50
MB	A101926	04-101244	2000	36 X 40	50
MB	A52938	PC57	1990	24 X 40	50
MB	A04103266	04-101244	2001	48 X 40	50
MB	A04107251	04-104778	2005	36 X 40	50
MB	A04107207	04-104778	2006	36 X 40	50
MT	A54198	PC 121	1990	24 X 40	50
MT	A60811		1994	24 X 40	50
MT	A61172	PC 243	1994	24 X 40	50
MT	A65965	PC 243	1997	24 X 40	50
MT	A69746	PC 266	1998	24 X 40	50
MT	A04100727	PC 282	1999	36 X 40	50
MT	A04100727 A04101194	PC 300	1999	24 X 40	50
MT	A04101794 A04101767	PC 270 PC 04-101419	2001	24 X 40	50
<u>м і</u> МТ	A04101767 A04101891	PC 04-101419 PC 04-101419	2001	24 X 40 48 X 40	50 50
MT	A04103044		2000		50
		PC 04-101419		24 X 40	
MT MT	A04103205	PC 04-101268	2001	36 X 40	50+20
MT	A04102365	PC 04-101768	2001	24 X 40	50
MT	A04105219	PC 04-101419	2003	24 X 40	50
MT	A04105400	PC 04-104801	2003	48 X 40	50+20
MT	A04105434	PC 04-104796	2003	24 X 40	50
MT	A04105483	PC 04-104796	2004	24 X 40	50
MT	A04106558	PC 04-104801	2004	36 X 40	50+20
MT	A04100726	282	1998	36 X 40	50
MT	A64873	243	1996	36 X 40	50
MT	A02105794	04-104801	2004	36 X 40	50
MT	A04103205	04-101268	2001	36 X 40	50
MT	A54130	79	1991	24 X 40	50
SI	A04108525	PC 04-107557	2007	48 X 40	50
SI	A04108870	PC 04-107557	2008	24 X 40	50
SI	A04108943	PC 04-107557	2007	36 X 40	50 + 20
SI	A04109410	PC 04-107557	2007	48 X 40	50 + 20
SI	A04109410	PC 04-107557	2008	48 X 40	50 + 20
SI	A04109520	PC 04-107557	2008	24 X 40	50 + 20
SI	A04109520 A04109615	PC 04-107557	2008	48 X 40	50 + 20
SI	A04109615 A04109640	PC 04-107557 PC 04-107557	2008	24 X 40	50 + 20
SI	A04109640 A04110549	04-107557	2008	24 X 40	50
SI	A04110349 A04109641	04-107557	2009	36 X 40	50
SI	A04110811	04-109299	2010	36 X 40	50
SI	A04110041	04-107557	2009	24 X 40	50
SI	A04110433	04-109295	2009	24 X 40	50
SI	A04110434	04-109295	2009	24 X 40	50
SI	A04109754	04-107557	2008	36 X 40	50
SI	A04110142	04-109299	2009	24 X 40	50
SI	A04108944	04-107557	2007	48 X 40	50
WS	A04107179	PC 04-105135	2005	24 X 40	50 + 20
GD	A66762	269	1997	24 X 40	50
KS	A68188	PC 266	1997	24 X 40	50
AM	A59780	PC 237	1993	24 X 40	50
AM	A64301	PC 237	1995	24 X 40	50
АМ	A65821	PC 264	1996	24 X 40	50
AM	A65821	PC 264	1997	24 X 40	50
AM	A69217	PC 328	1998	24 X 40	50
AM	A02101284	PC 387	1999	24 X 40	50
AM	A02102021	PC 02-101488	2003	24 X 40	50
AM	A02102043	PC 02-101488	2001	24 X 40	50
AM	A02102350	PC 02-101488	2001	24 X 40	50
АМ	A02102259	PC 02-101488	2000	24 X 40	50
EN	A02116418	PC 02-113902	2017	24 X 40	 65

	DSA A NUMBER OF MODULAR BUILDING	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
AM	A02103141	PC 02-101837	2001	24 X 40	50
AM	A02105185	PC 02-101837	2003	24 X 40	50
AM	A02105619	PC 02-104915	2003	24 X 40	50
AM	A02105634	PC 02-104915	2003	36 X 40	50
AM	A02106165	PC 02-104915	2004	24 X 40	50
AM	A02106184	PC 02-104917	2004	48 X 40	50
AM	A02106185	PC 02-104925	2004	36 X 40	50
AM	A02106215	PC 02-104925	2004	36 X 40	50
AM	A02106239	PC 02-104925	2004	24 X 40	50
AM	A02106374	PC 02-104915 PC 02-104915	2004	24 X 40	50
<u>AM</u> AM	A02106845	PC 02-104915	2005	24 X 40	50 70 50+20
	A02107161	PC 02-104915	2005	24 X 40	· · · · · · · · ·
<u>AM</u> AM	A02107390 A02108179	PC 02-104917	2005 2006	24 X 40 48 X 40	50 50
		02-104917			
AM	A02105619	02-104920	2003	24 X 40	50 50
AM ANA	A02106214	02-104915	2004	24 X 40	
AM AM	A02106499 A02101583	388	2004 1999	48 X 40	50 50
		PC 253		48 X 40	
AU AU	A65301 A65601	PC 253	1996 1996	24 X 40	50 50
AU AU	A65601 A67426	PC 233	1996	24 X 40 36 X 40	50
AU AU	A67426 A03107543	PC 04-104816	2004	24 X 40	50
AU AU	A03107343 A04101310	PC 04-104316	2004	24 X 40 24 X 40	50
AU	A04105339	PC 04-104816	2003	24 X 40	50
AU	A04106096	PC 04-104816	2003	24 X 40	50
AU	A04106097	PC 04-104816	2004	24 X 40	50 + 20
AU	A64839	A64839	2000	24 X 40	50
		STOCKPILE			
AU	A59725	A59725 STOCKPILE	1991	48 X 40	50
AU	A04105948	104816	2004	36 X 40	50
AU	A67425	A67425	1999	48 X 40	50
	101100700	STOCKPILE	100		
EN	A01100789	PC 271	1999	24 X 40	50
EN	A02101478	PC 271	1999	24 X 40	50
EN	A01102792	PC 02-101236 PC 02-101236	2000	24 X 40	50
EN	A02102108	PC 02-101236	2000	24 X 40	50
EN EN	A02102873 A02103726	PC 02-101236	2002	24 X 40	50 50
EN	A02103726 A02104123	PC 02-101236	2002	24 X 40 24 X 40	50
EN	A02104123 A02105136	PC 02-101236	2003	24 X 40	50
EN	A02105130	PC 02-104899	2003	48 X 40	50
EN	A02105944	PC 02-104899	2003	36 X 40	50
EN	A02105945	PC 02-104899	2004	24 X 40	50+20
EN	A02107272	PC 02-104899	2005	48 X 40	50
EN	A02107272	PC 02-104899	2006	48 X 40	50+20
EN	A02108109	PC 02-104899	2006	36 X 40	50
EN	A02108109 A02108288	PC 02-104899	2006	24 X 40	50
EN	A02107484	PC 02-104899	2005	24 X 40	50
EN	A02109360	PC 02-104899	2008	24 X 40	50
EN	A02107401	02-104899	2005	36 X 40	50
EN	A01102793	02-101236	2000	48 X 40	50
EN	A02103384	02-101236	2001	48 X 40	50
MB	A52144	PC 307	1989	24 X 40	50
MB	A52350	PC 57	1990	24 X 40	50
MB	A53703	PC 57	1990	24 X 40	50
MB	A53982	PC 57	1990	24 X 40	50
MB	A54553	PC 57	1990	24 X 40	50
MB	A65714	PC 253	1996	24 X 40	50
MB	A68436	PC 323	1997	24 X 40	50
MB	A101905	PC 04-101244	2000	24 X 40	50
MB	A04103407	PC 04-101244	2001	36 X 40	50
MB	A04103659	PC 04-101244	2001	24 X 40	50
MB MB	A04104262 A04104623	PC 04-101244 PC 04-101244	2002	24 X 40	50 50
MB	A04104623 A04104624	PC 04-101244 PC 04-101244	2003	48 X 40	50
мв	A04104624 A04105648	PC 04-101244 PC 04-104778	2003	24 X 40 48 X 40	50
 МВ	A04105646 A04105913	PC 04-104778	2005		50
мв 	A04105915 A04107230	PC 04-104778	2005	24 X 40 24 X 40	50
רואו	NUTIU/20U	1 0 0T=10+//0	2000	∠¬ ∧ +∪	JU

LEGEND:

AM = AMERICAN MODULAR SYSTEMS, INC.

AU = AURORA MODULAR INDUSTRIES, INC.

EN = ENVIRONOPLEX, INC.

MB = MODULARSTRUCTURES INTERNATIONAL, INC.

MT = MODTECH, INC.

SI = SILVER CREEK INDUSTRIES, INC.

WS = WALDEN STRUCTURES & CONSTRUCTION

GD = GARY DOUPNIK MANUFACTURING, INC.

KC = KARSTON COMPANY

NOTES:

TABLE OF CONTENTS

Description

- 1. ONLY THOSE BUILDINGS BUILT WITH 50# OR 50#+20# PARTITION LOADS AS NOTED IN TABLE WILL BE A PART OF THIS PC.
- 2. ONLY THOSE BUILDINGS

 MANUFACTURED BY THE

 SAME MANUFACTURER

 AND WITH PLANS AND DETAILS SHOWN ON PLAN SHEETS F-8 AND F-9 MAY BE PLACED ADJACENT TO EACH OTHER.
- STOCKPILE CLASSROOMS WITH INCREASED FLOOR LOAD (100 psf & 125 psf): FOUNDATION PLANS WITH INCREASED FLOOR LOADS ARE REQUIRED TO UTILIZE PC#04-117462 DETAILS TO ADD FLOOR JOIST TO MEET FLOOR LOAD REQUIREMENTS.

Dated

Revised

PRE-CHECK (PC)

DOCUMENT

CODE: 2019 CBC

A SEPARATE PROJECT

APPLICATION FOR

CONSTRUCTION IS REQUIRED

MOBILE MODULAR MANAGEMENT 11450 MISSION BLVD. MIRA LOMA, CA 91752

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 04-119396 PC REVIEWED FOR
SS FLS ACS CG CG DATE: 10/29/2020

9336

 \bigcirc

 \bigcirc

-NUMBERS

CHECKED

AUG. 15, 2020

SITE SPECIFIC APPROVAL DSA PC STAMP PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVAL - PC ENGINEER OF RECORD

Date Signed: September 24, 2020

STRUCTURAL ENGINEERS, INC.

4091 RIVERSIDE DRIVE, SUITE 114 CHINO, CALIFORNIA 91710

MEMBER

STRUCTURAL ENGINEERS

ASSOCIATION OF CALIFORNIA

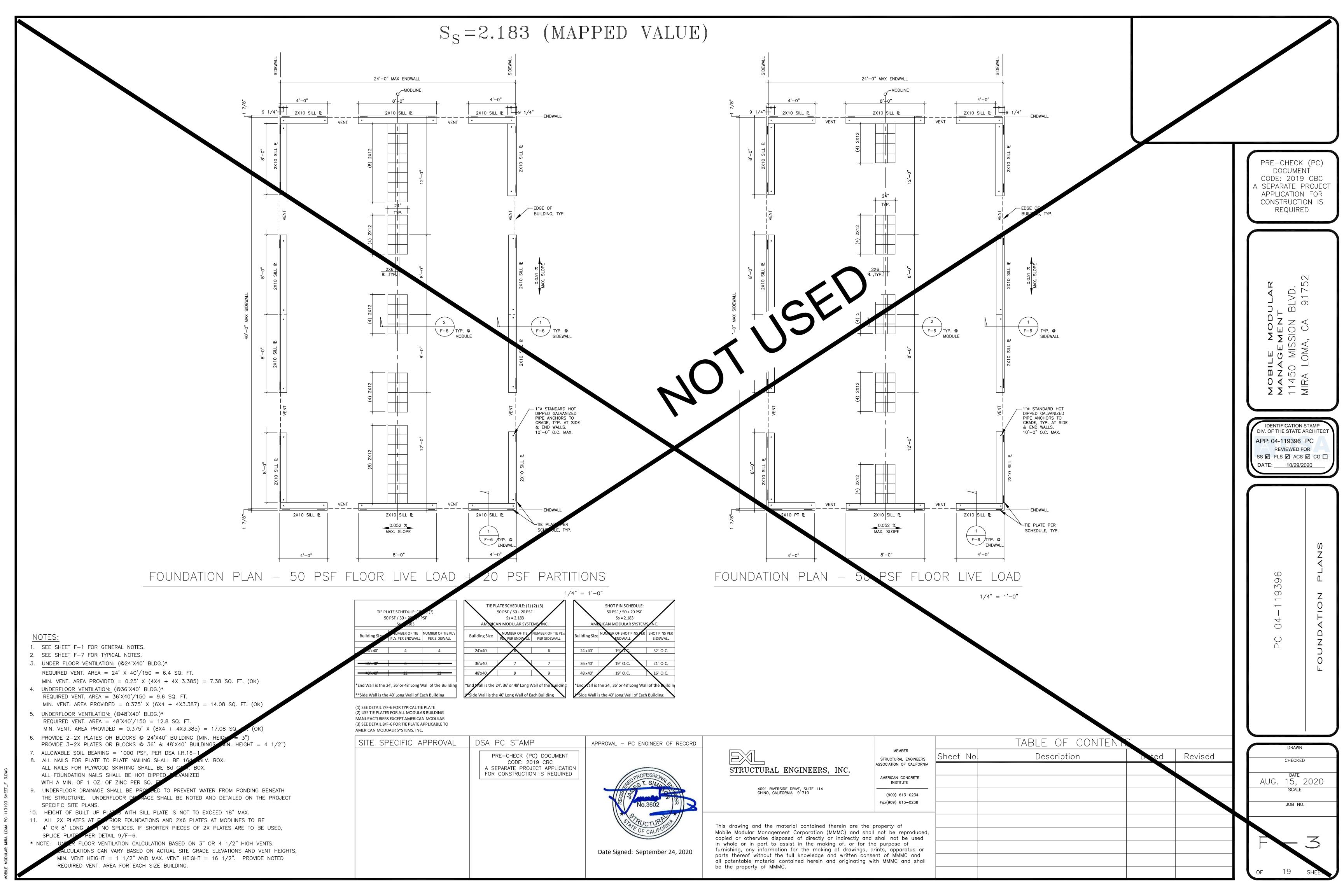
AMERICAN CONCRETE

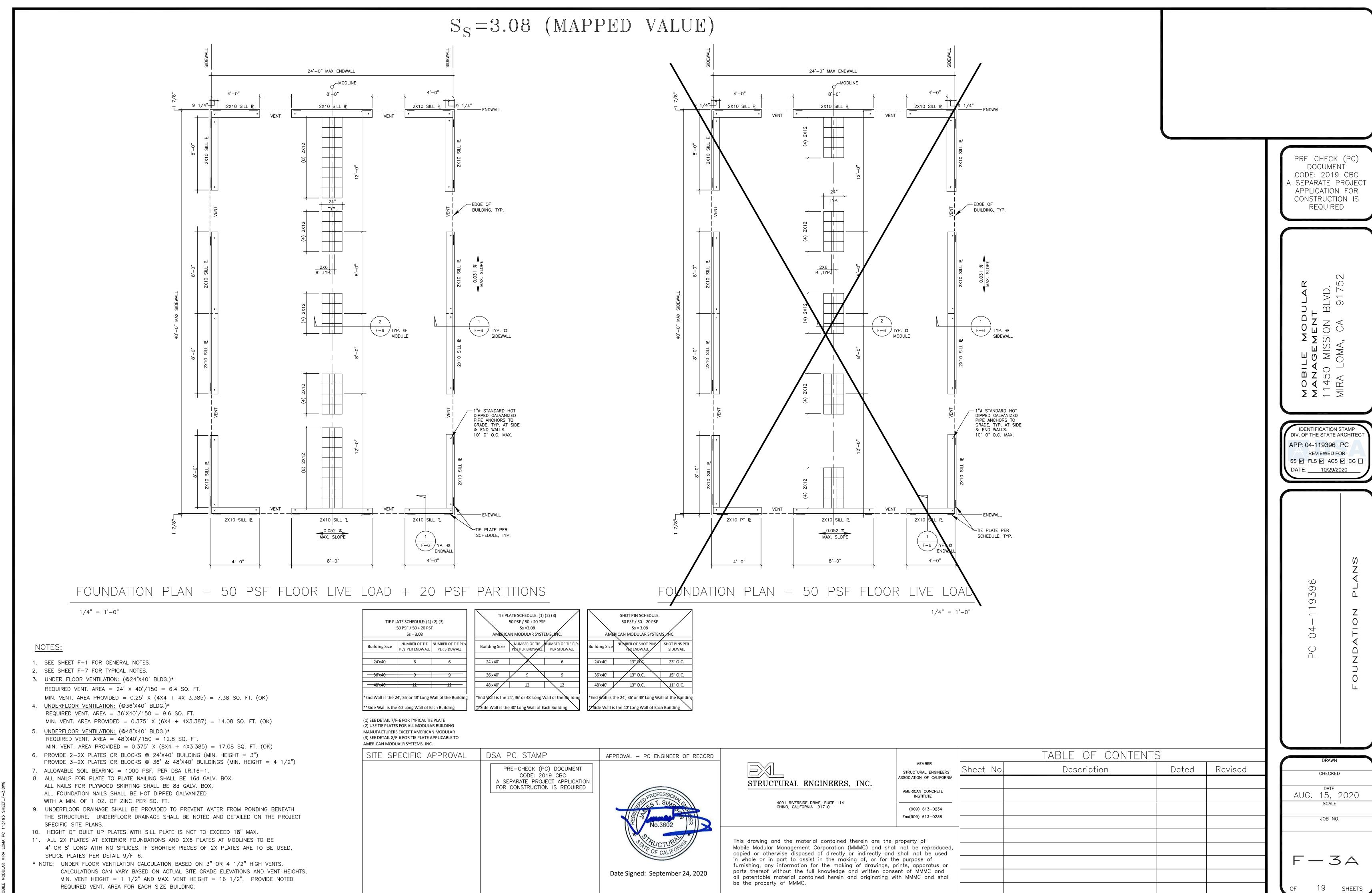
INSTITUTE

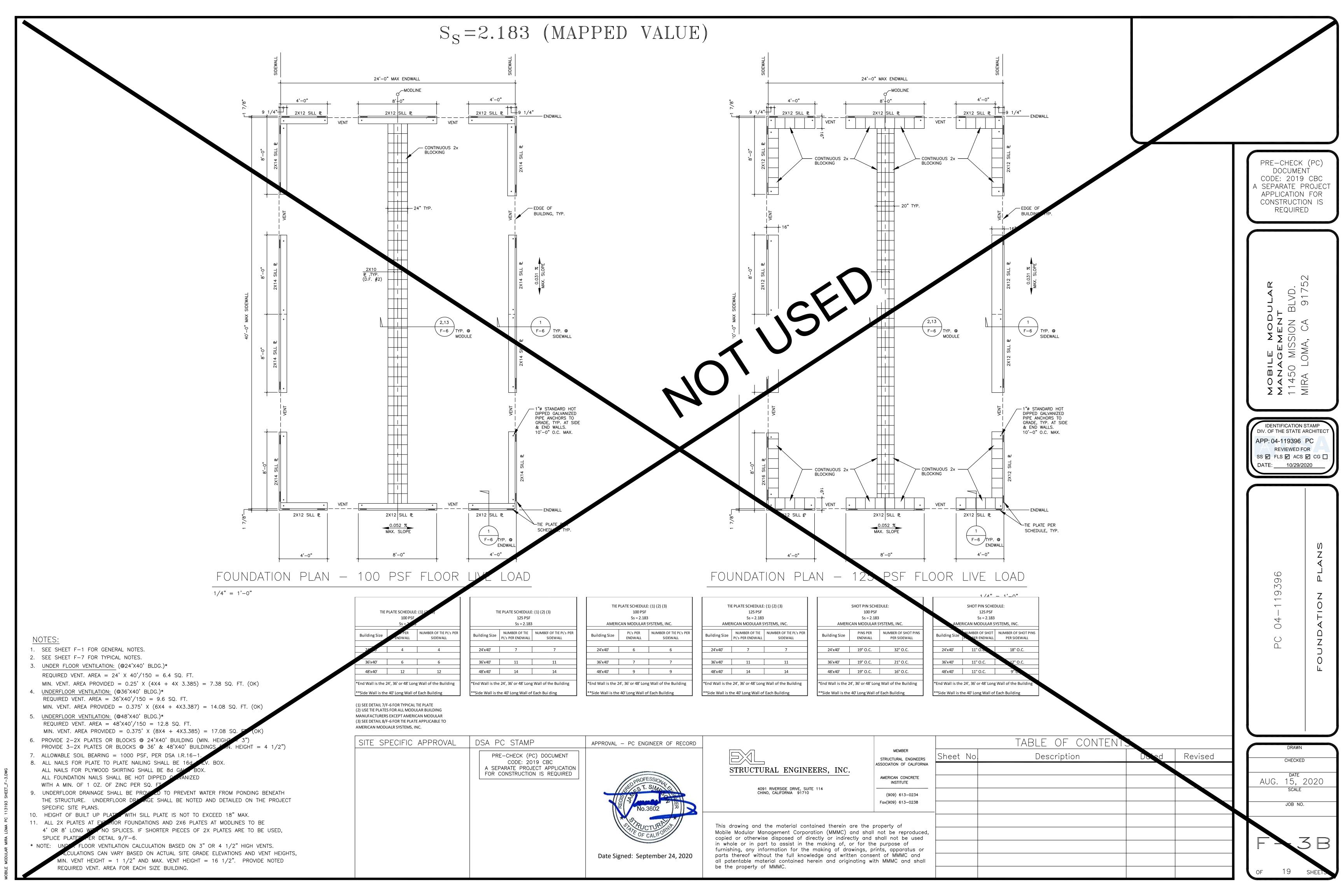
(909) 613-0234 Fax(909) 613-0238

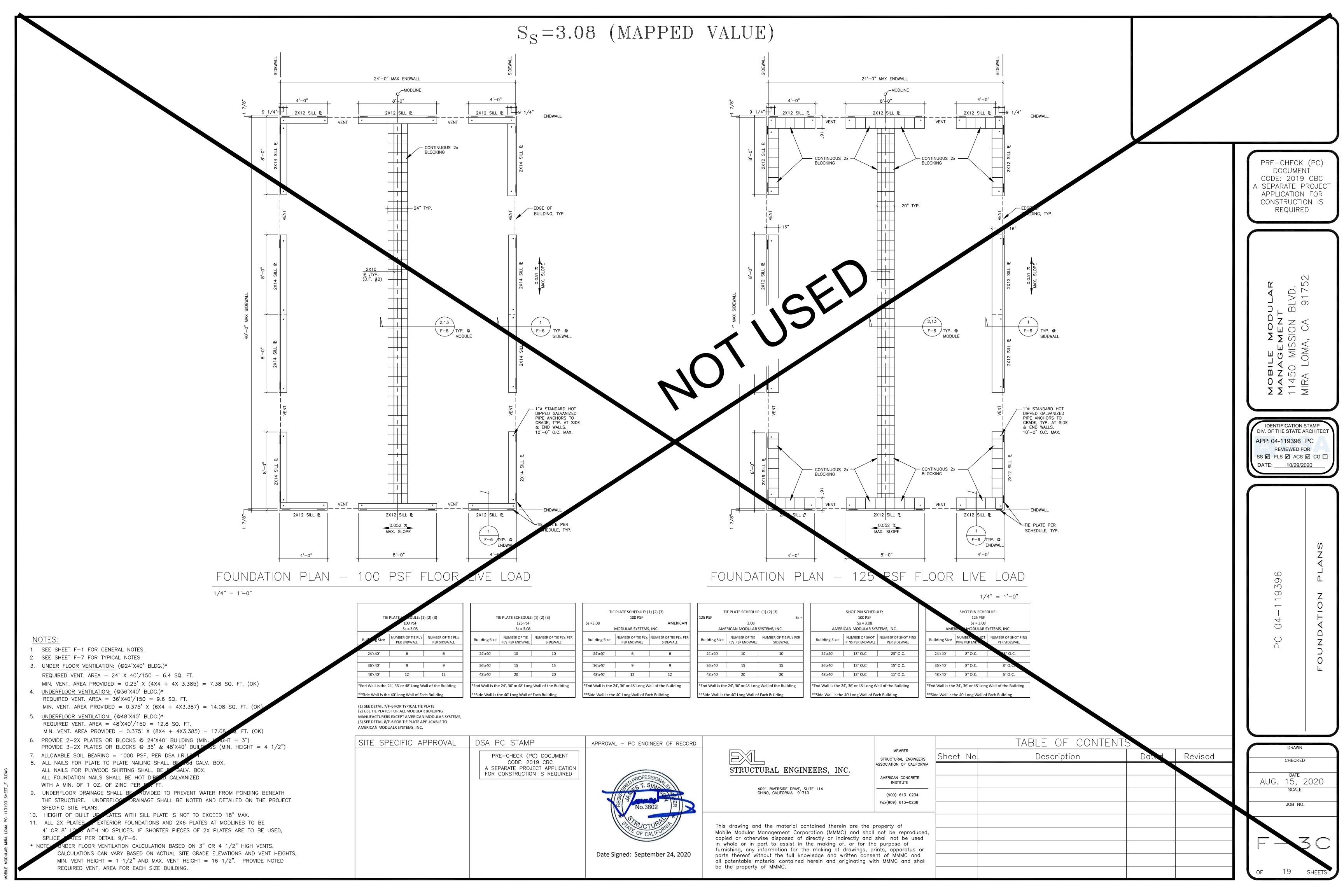
Sheet No.

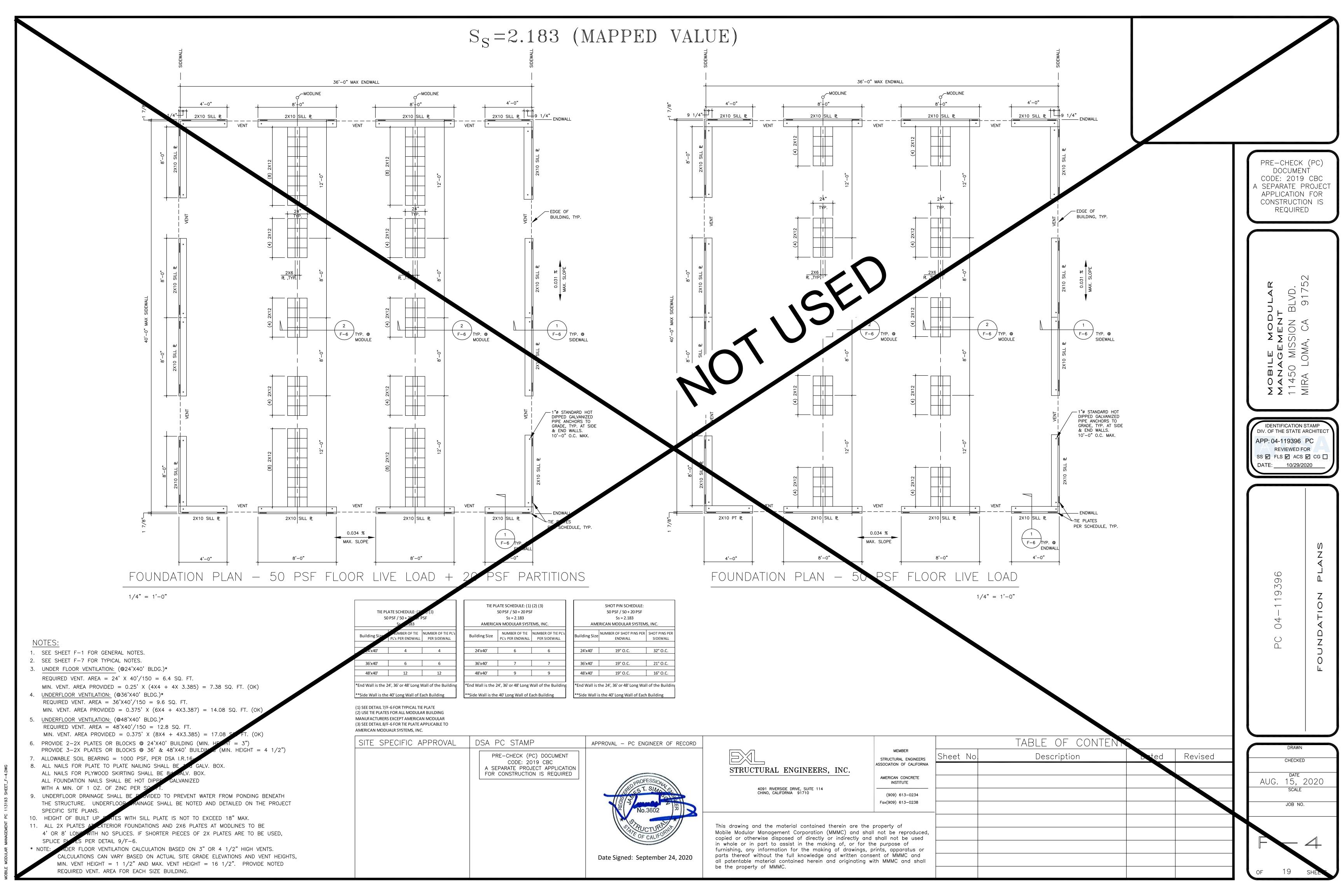
This drawing and the material contained therein are the property of	
Mobile Modular Management Corporation (MMMC) and shall not be reproduced, copied or otherwise disposed of directly or indirectly and shall not be used	
in whole or in part to assist in the making of, or for the purpose of furnishing, any information for the making of drawings, prints, apparatus or	
parts thereof without the full knowledge and written consent of MMMC and all patentable material contained herein and originating with MMMC and shall	
be the property of MMMC.	

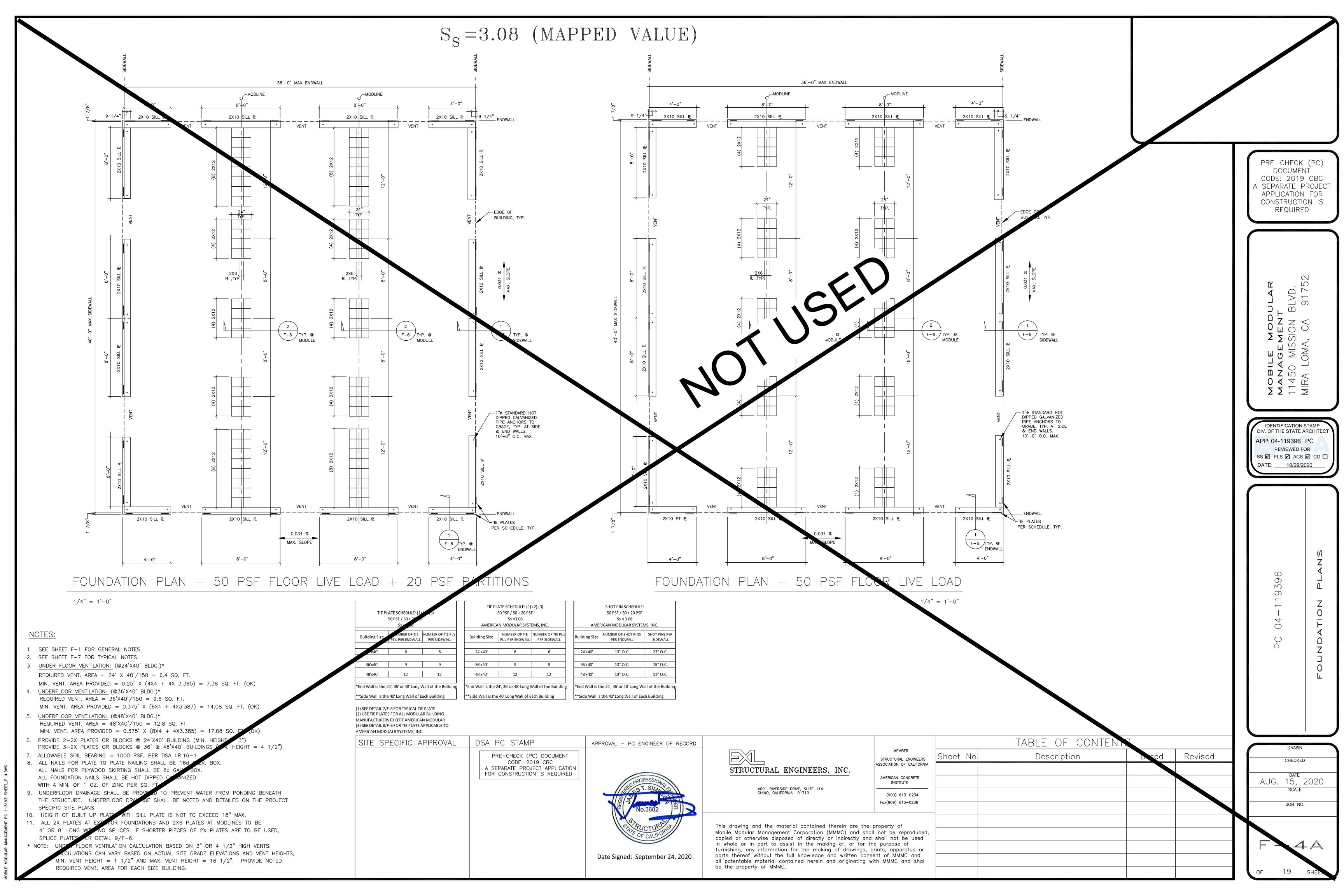


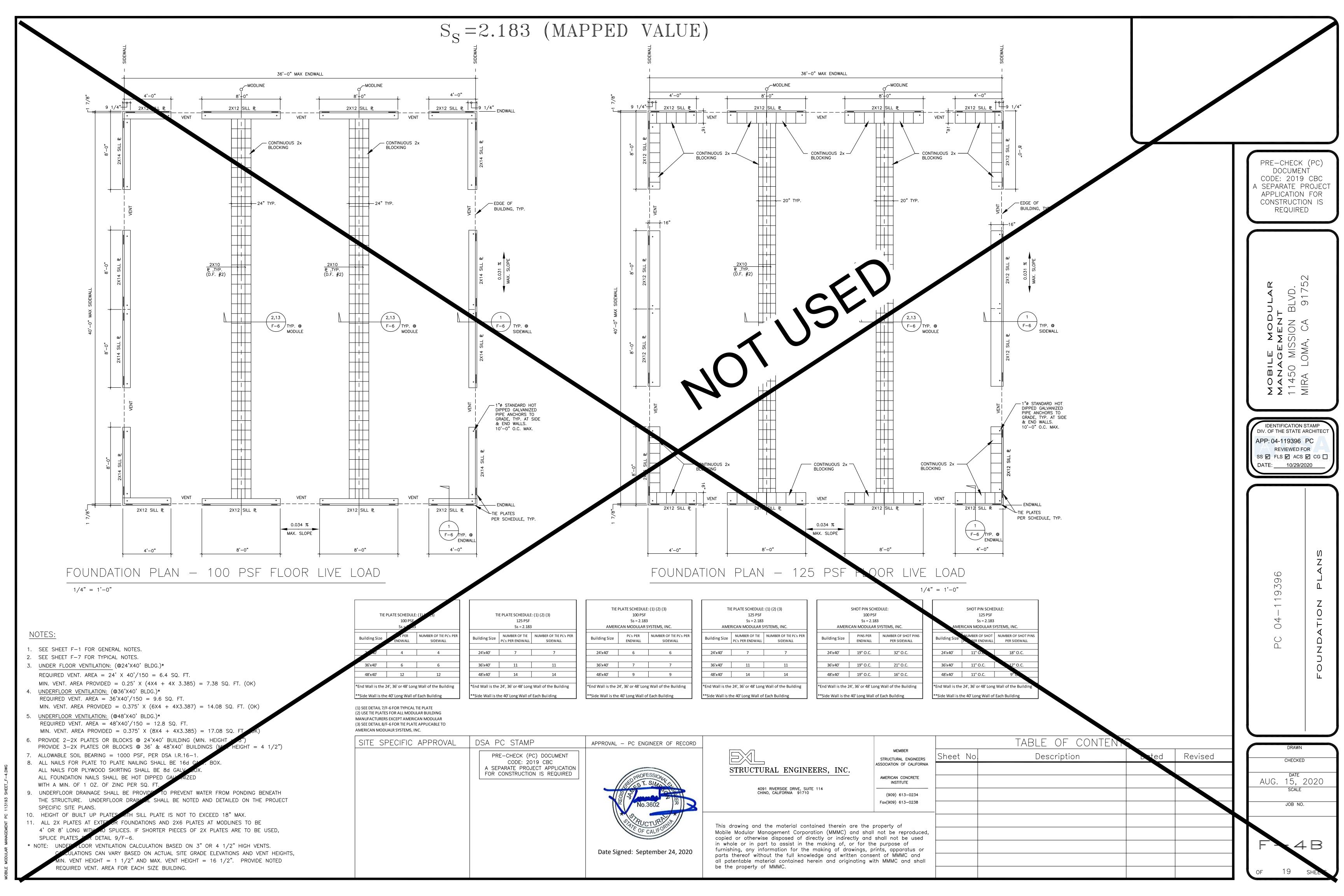


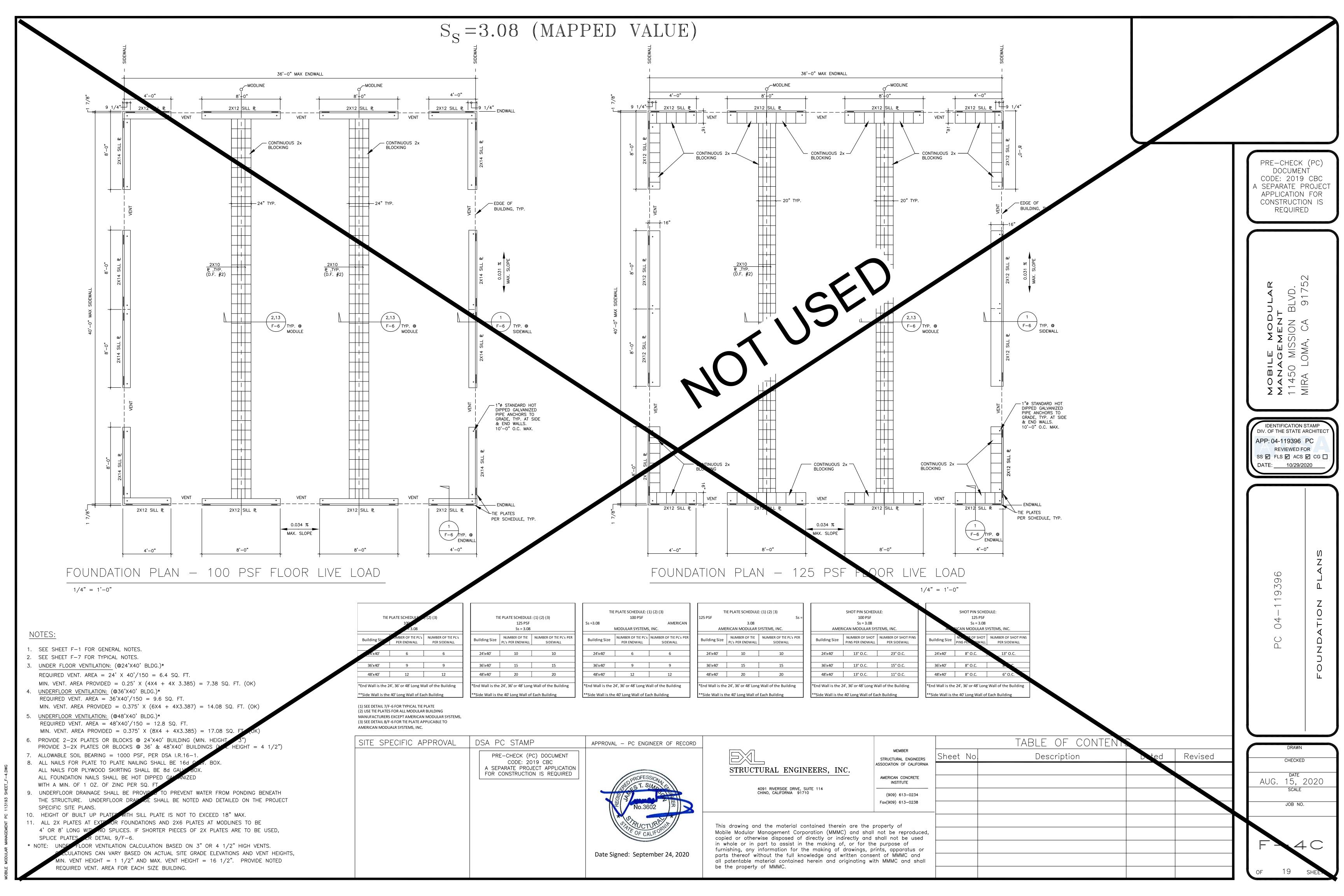


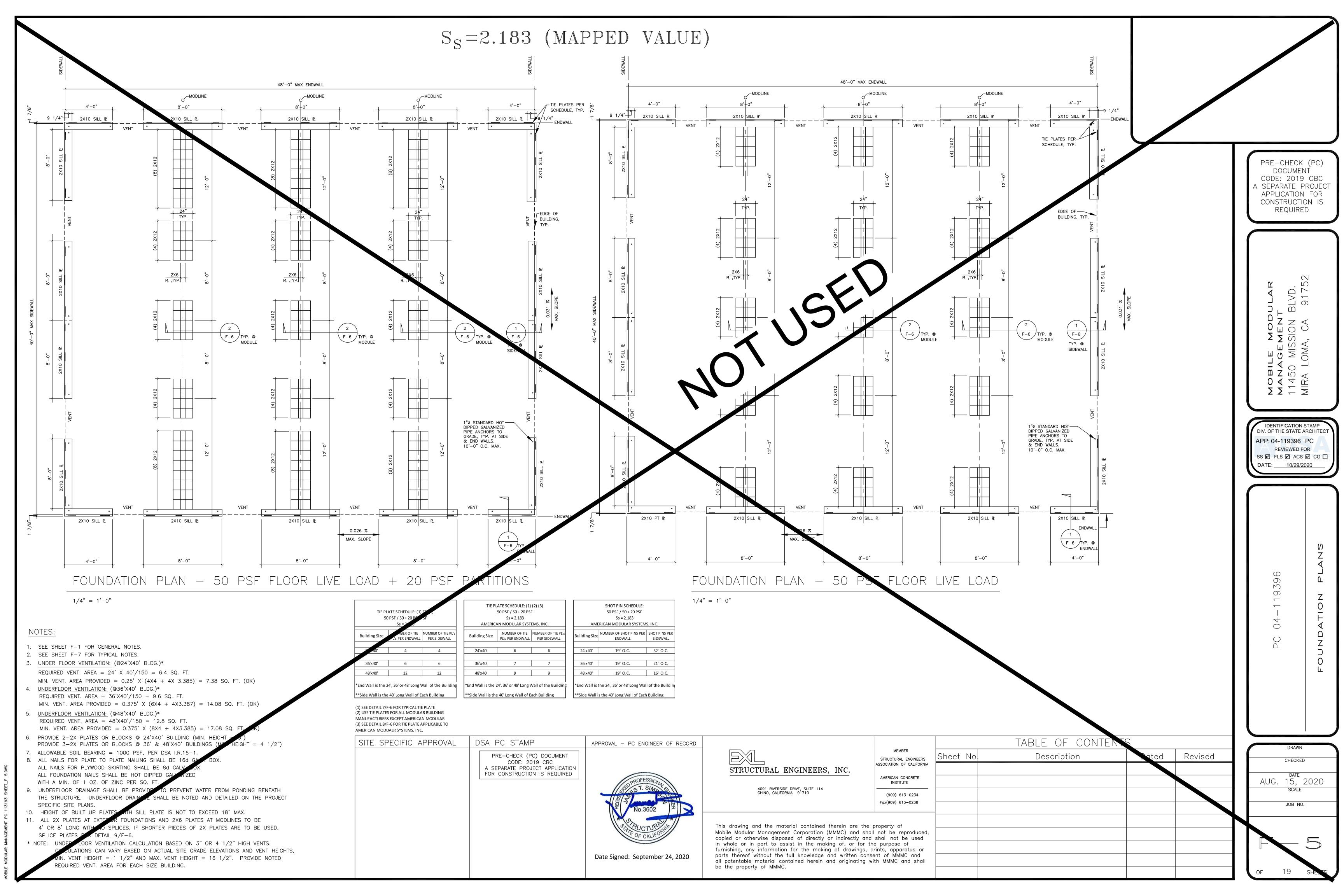


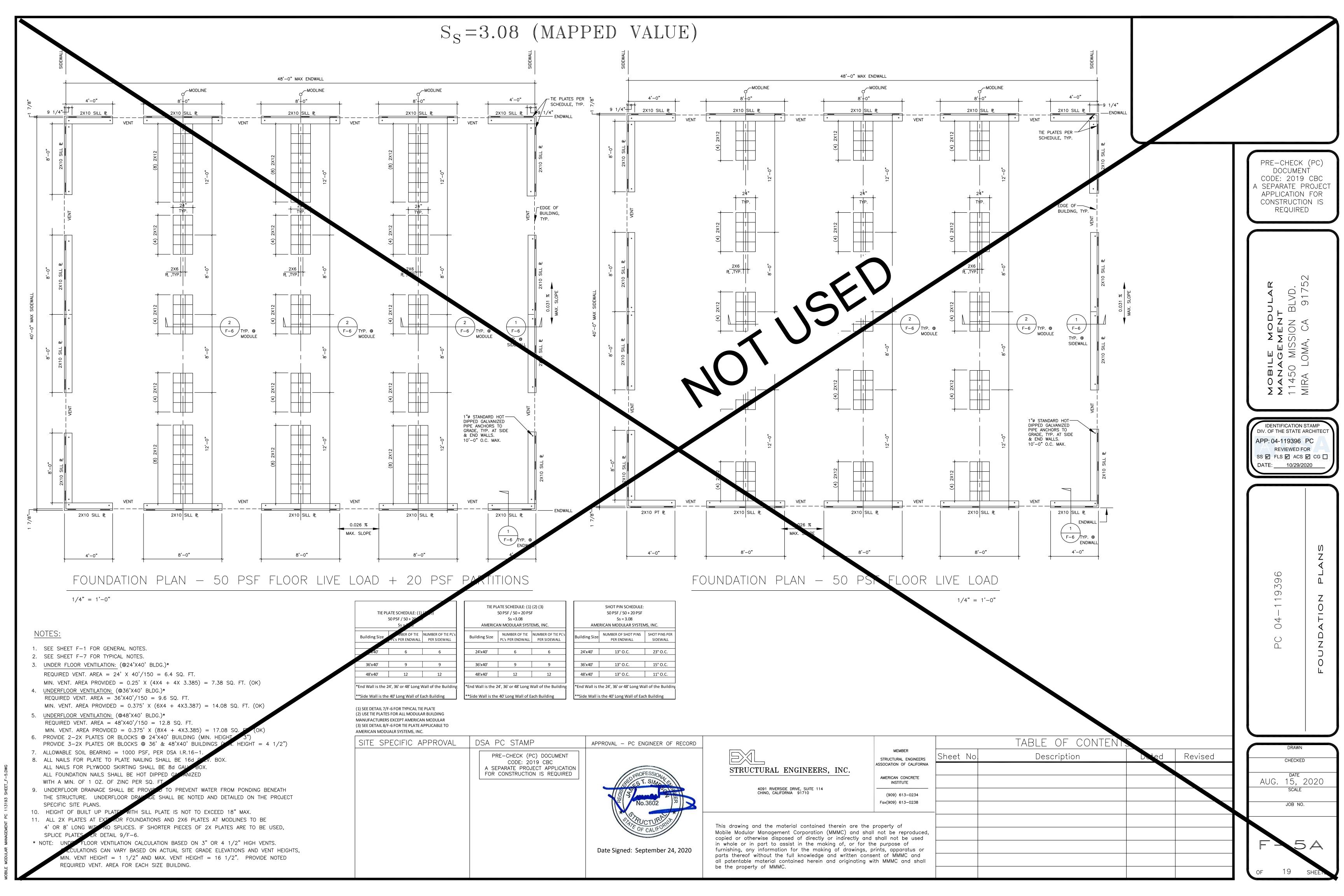


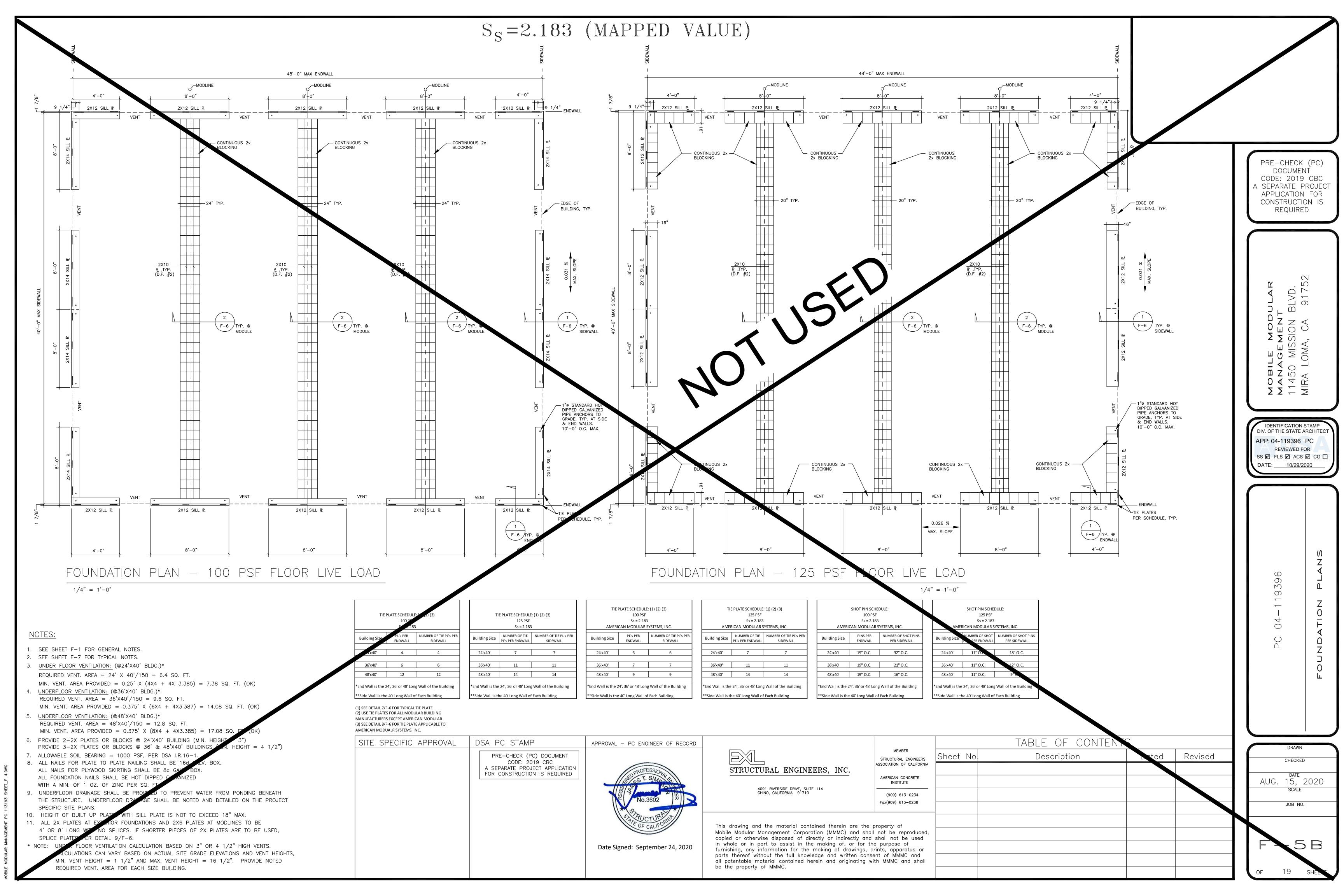


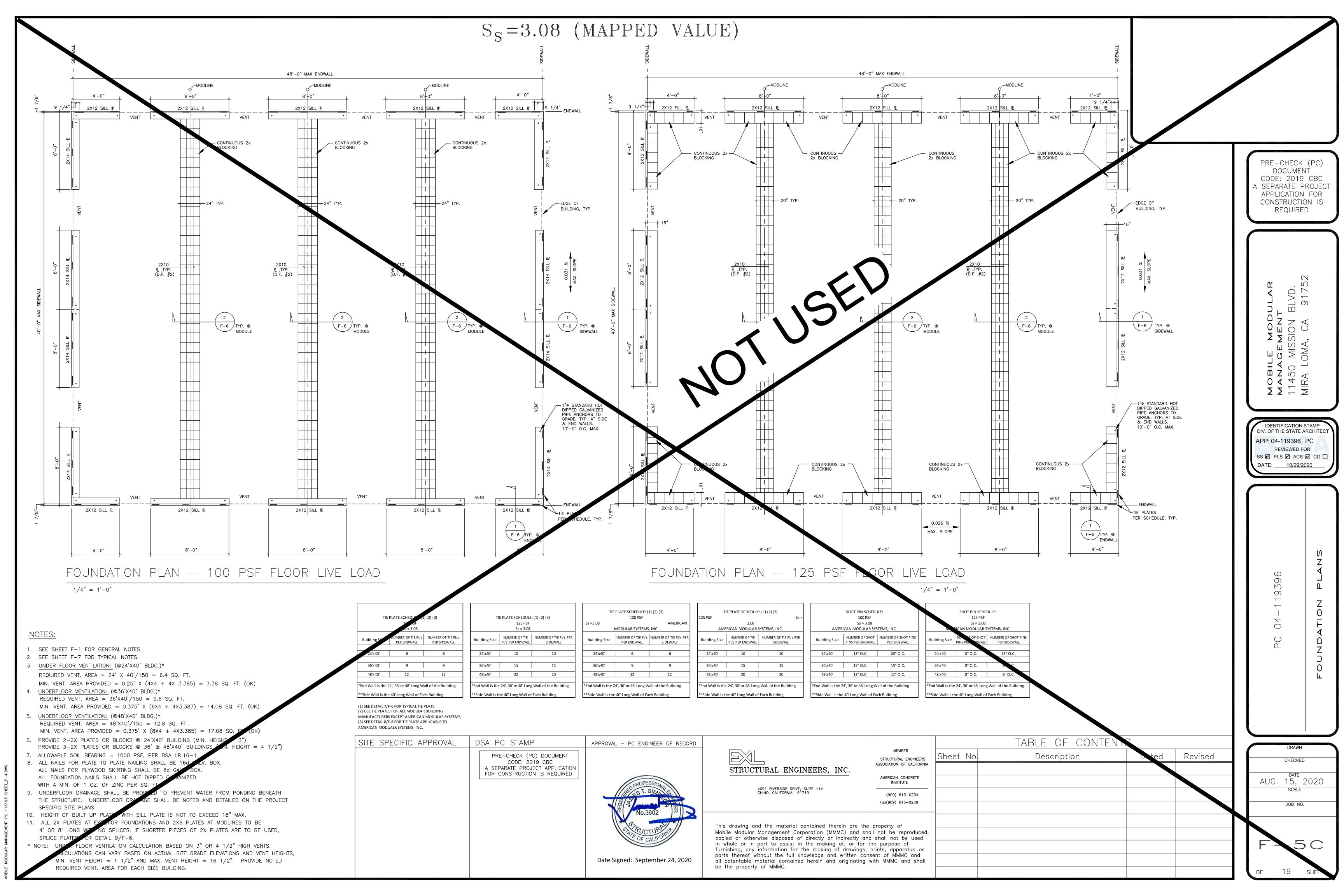


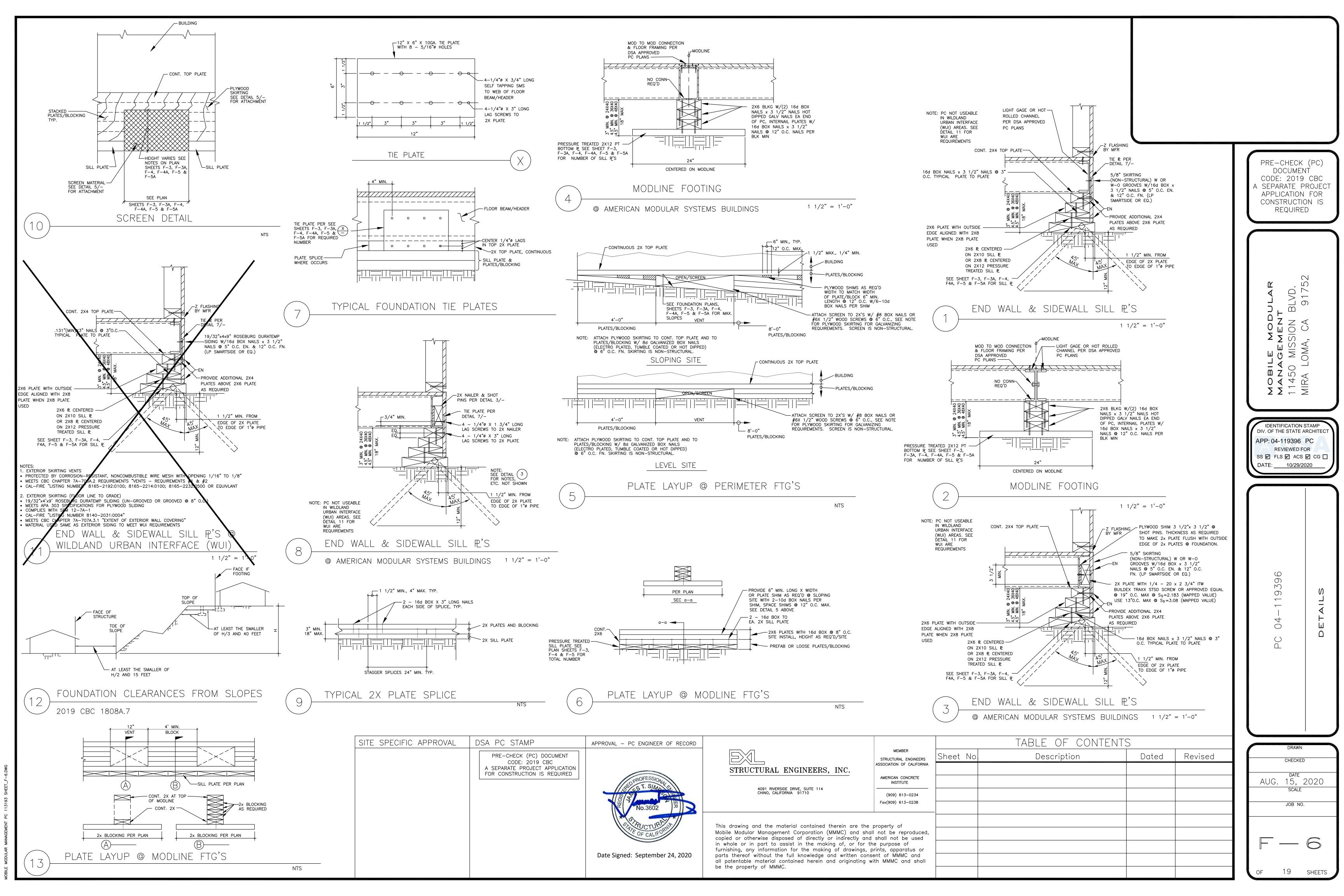












GENERAL SPECIFICATIONS

SECTION 1A

1. GENERAL

- A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENTS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH 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.

2. SCOPE OF WORK

- A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT. AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
- B. ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL
- 1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
- 2. INSPECTION 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 DISTRICT.
- 3. ON SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY OF THE BUILDING INSTALLATION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
- 4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. COST OF THESE INSPETIONS/TESTS SHALL BE BORNE BY THE SCHOOL DISTRICT.

3. 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, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

4. WHEELS AND HITCH

SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF THE BUILDING. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR MOVE—IN AND REMOVAL OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 2A SITE ASSEMBLY

- 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. 2. ASSEMBLY OF ELEMENTS
- A. 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
- B. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER PLANS AND DETAILS OF THE ORIGINAL MANUFACTURER'S DRAWINGS.

SECTION 3A CARPENTRY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.

2. 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 CCR- TABLE 2304.10.1.
- NAILS SHALL BE CORROSION RESISTANT BOX NAILS. C. MACHINE APPLIED NAILING— SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE
- APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". 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. D. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM

SECTION 4A MATERIAL SPECIFICATIONS

- 1. STRUCTURAL FRAMING SHALL BE HEM FIR GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 16 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR SOUTH IS NOT ALLOWED.) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED.
- ALL FRAMING EXCEPT AS NOTED HEM FIR NO. 2. 2. PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD DOC PS 1-07 ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4'x8' PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS AND FLOORS
- AND 12" AT WALLS. 3. BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1-2012 AND 2015 EDITION OF THE NDS. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). BOLT HOLES SHALL BE 1/32 TO 1/16 INCH LARGER THAN BOLT DIAMETER. RE—TIGHTEN BOLTS BEFORE CLOSING IN WORK. BOLTS SHALL BE FULL BODY STEEL BOLTS WITH MINIMUM YIELD STRENGTH OF 45,000 PSI
- 4. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSI/ASME STANDARD B18.2.1 AND THE REQUIREMENTS OF THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS). HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. ONE QUARTER INCH (1/4") DIAMETER LAG SCREWS NEED NOT HAVE PRE-DRILLED HOLES IF IT CAN BE SHOWN THAT THE WOOD MEMBERS ARE NOT DAMAGED DURING INSTALLATION. PROVIDE FULL DIAMETER BODY LAG SCREWS WITH BENDING YIELD STRENGTHS PER TABLE 12J AND 12K IN NDS.
- 5. PROVIDE MALLEABLE IRON WASHERS OR EQUIVALENT CUT PLATE WASHERS (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT
- ÒR LAG SCREW HEADS WHICH BEAR ON WOOD. 6. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1 AND THE REQUIREMENTS OF THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH
- CUT THREADS AND BENDING YIELD STRENGTHS PER TABLES 12L AND 12M IN NDS. 7. WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON
- STRUCTURAL DRAWINGS.
- 8. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
- 9. STRUCTURAL NAILING SHALL BE WITH BOX NAILS PER ALL REQUIREMENTS OF 2015 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CCR TITLE 24, PART 2, TABLE 2304.9.1. ALL NAILS SHALL BE GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS, PER THE REQUIREMENTS OF CCR TITLE 24, PART 2, WITH MINIMUM BENDING YIELDS PER TABLE 12N, 12P, 12Q AND 12R IN NDS. (SEE NAIL EQUIVALENCE BELOW.)
- 10. NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP. U.O.N.) 6d EQUALS .113" DIA. — PROVIDE 1.36" MIN POINT PENETRATION 8d EQUALS .131" DIA. — PROVIDE *1.57" MIN POINT PENETRATION
- 10d EQUALS .148" DIA. PROVIDE *1.78" MIN POINT PENETRATION 16d EQUALS .162" DIA. PROVIDE *1.94" MIN POINT PENETRATION * 1 1/2" AT 2x MEMBERS
- 11. PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.9, CCR TITLE 24, PART 2. PROVIDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS. PRESSURE TREATED WOOD AND IDENTIFICATION MUST COMPLY WITH CBC 2303.1.9.1. ALL FOUNDATION MEMBERS SHALL BE MARKED AS "FOR GROUND CONTACT (UC4A)" OR "FOR ABOVE GROUND USE (UC3A OR UC3B)" AS APPROPRIATE. TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT). WHERE NOTED, MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESSURE TREATED PER AWPA STANDARD UI.
- 12. ONLY MATERIAL IN CONTACT WITH GROUND NEEDS TO BE PRESSURE TREATED, ALL OTHER FOUNDATION LUMBER CAN BE DF OR HF#2 OR EQUAL.
- 13. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT
- 14. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SEC. 2304.10 OF CBC. 15. NAILS AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY
- WITH SEC. 2304.10.5.1 OF CBC. 16. SHIM MATERIAL SHALL BE PLYWOOD CD EXP 1 OR EQUAL (NOT P.T.). 17. USED LUMBER IN GOOD CONDITION IS ACCEPTABLE FOR USE IN

SITE INSTALLATION REQUIREMENTS CLAUSE:

SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS. IN THE CASE OF EQUIPMENT LOCATED IN THE STATE OF CALIFORNIA, THE LESSEE IS RESPONSIBLE FOR THE SITE BEING CLEARED (FREE OF GRASS, SHRUBS, TREES, ETC.) AND GRADED TO WITHIN 4 1/2 OF LEVEL GRADE FOR EACH BUILDING. IF THE SITE EXCEEDS THE 4 1/2" REQUIREMENT ADDITIONAL COSTS MAY BE CHARGED TO LESSEE. UNDER NO CIRCUMSTANCES SHOULD THE SITE BE UNDER NO CIRCUMSTANCES SHOULD THE SITE BE GREATER THAN 9" FROM LEVEL GRADE OR HAVE LESS THAN A 1000 PSF MINIMUM SOIL BEARING PRESSURE. PRIOR TO DELIVERY, THE LESSEE SHALL MARK THE FOUR CORNERS OF THE BUILDING ON THE SITE, INCLUDING THE DOOR LOCATION. SHOULD SPECIAL HANDLING BE REQUIRED TO EITHER PLACE, INSTALL OR REMOVE THE CLASSROOM ON THE LESSEE'S SITE DUE TO SITE OBSTRUCTIONS SUCH AS FENCING, LANDSCAPING, OTHER CLASSROOMS, ETC., ADDITIONAL COSTS WILL BE CHARGED TO LESSEE.

TEST AND INSPECTIONS:

FOUNDATION SYSTEM.

- 1. PROVIDE ELECTRICAL GROUNDING TEST PER DSA IR E-1
- NO OTHER TESTS AND INSPECTIONS ARE REQUIRED.

PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

> \int \int \Box \circ 0 4 4 5

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 04-119396 PC REVIEWED FOR SS FLS ACS CG DATE:

> 39 0 \bigcirc

> > CHECKED

SCALE

Revised AUG. 15, 2020

SITE SPECIFIC APPROVAL DSA PC STAMP APPROVAL - PC ENGINEER OF RECORD PRE-CHECK (PC) DOCUMENT CODE: 2019 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

CHINO, CALIFORNIA 91710

be the property of MMMC.

Date Signed: September 24, 2020

STRUCTURAL ENGINEERS, INC.

4091 RIVERSIDE DRIVE, SUITE 114

all patentable material contained herein and originating with MMMC and shall

Fax(909) 613-0238 This drawing and the material contained therein are the property of Mobile Modular Management Corporation (MMMC) and shall not be reproduced, copied or otherwise disposed of directly or indirectly and shall not be used in whole or in part to assist in the making of, or for the purpose of furnishing, any information for the making of drawings, prints, apparatus or parts thereof without the full knowledge and written consent of MMMC and

MEMBER

STRUCTURAL ENGINEERS

ASSOCIATION OF CALIFORNIA

AMERICAN CONCRETE

INSTITUTE

(909) 613-0234

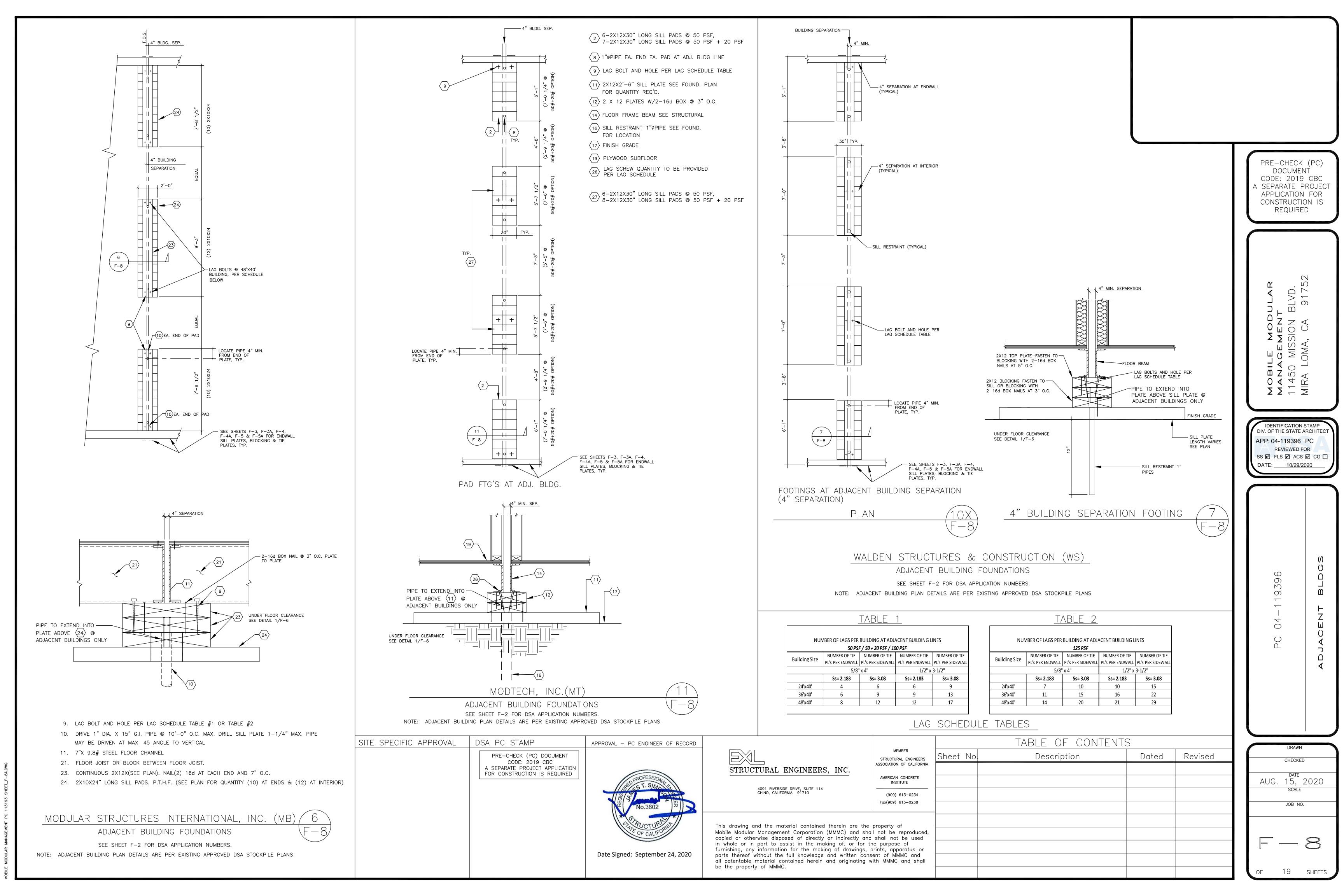
Sheet Nol

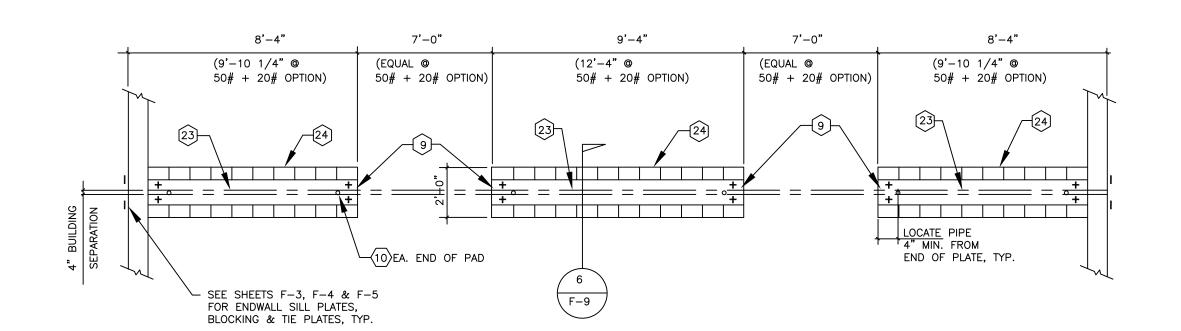
TABLE OF CONTENTS

Dated

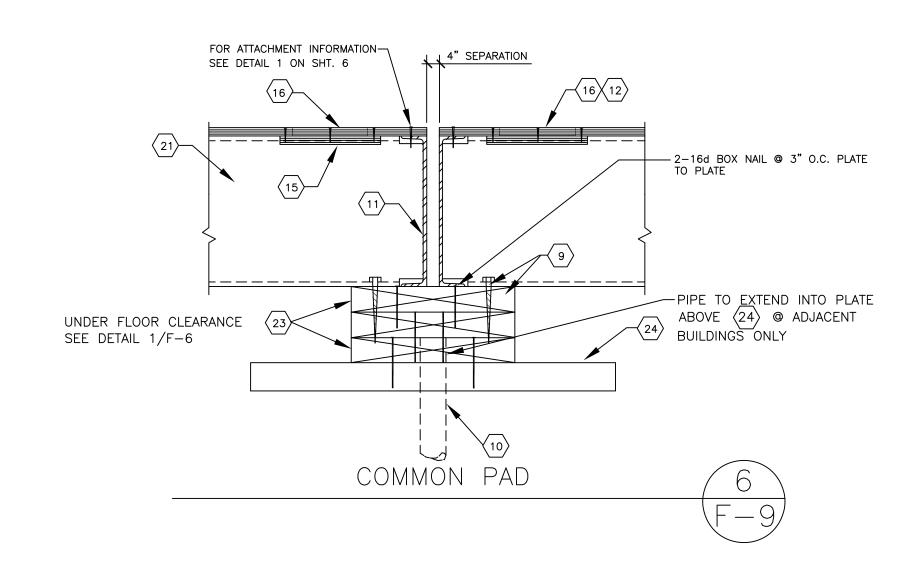
Description

Applied ion Number: 04-119398 DSA File Number:	G OF STRUCTURAL TESTS & SPECIAL School Name: Mobile Modular Management Corp Increment Number:	School District: Mobile Modular Management Corp Date Created:	Application Number: 04-119396 DSA File Number:	empt from DSA Requirements for Strue School Name: Mobile Modular Management Corp Increment Number:	School District: Mobile Modular Management Corp Date Created:	NOTE: THE EXAMPLE FORM DSA-103 SHOWN IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTIRE PROJECT-SPECIFIC FORM DSA-103. A FORM DSA-103 IS TO BE COMPLETED FOR EACH PROJECT	
PC-127		2020-09-01 09:39:04	PC-127		2020-09-01 09:39:04	APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING	
Generally, the structor of Record, Laborator	This form is only a sum pary list of structural trural tests and special inspections noted on the ry of Record, or Special Inspect. The actual structural	19 CBC ests and some of the special inspections required for the project. his form are those that will be performed by the Geotechnical Engineer complete test and inspection program must be performed as detailed	design professional are	NOT subject to DSA requirements for the struct proved construction documents. The project	endments) and those items identified below with a check mark by t tural tests / special inspections noted. Items marked as exempt sh t inspector shall verify all construction complies with the approved	<u>all</u>	
inspection or structu not limited to, special	ural testing. The project inspector is responsi I inspections not listed on this form such as	this form identifies work NOT subject to DSA requirements for special ble for providing inspection of all facets of construction, including but victural wood framing, high-load wood diaphragms, cold-formed steel nts, etc., per Title 24, Part 2, Chapter 17A (2019 CBC).	geotechnical report poles, flag poles, po	t for the following cases: A) free standing sign or sco les supporting open mesh fences, etc.), C) single-sto	minimum allowable pressures per CBC Table 1806A.2 and having no preboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., ligh ory structure with dead load less than 5 psf (e.g., open fabric shade struct		PRE-CHECK (PC
**NOTE: Und	ndefined section and table references found in	n this document are from the CBC, or California Building Code.	☐ 2. Shallow foundati		esting by a Geotechnical Engineer for the following cases: A) buildings wit		DOCUMENT CODE: 2019 CE
1. TYPE		2. PERFORME BY	(not exceeding 12"	depth per CBC Section 1804A.6), B) soil scarification,	C Section 1803A.2 supported by native soil (any excavation depth) or fill sol/recompaction not exceeding 12" depth, C) native or fill soil supporting		A SEPARATE PRO- APPLICATION FO
Continuous – Indicates that required	t a continuous special inspection is	GE – Indicates that the special expection shall be performed by a registered geotechnical engineer of his or her authorized representative.	areas, or E) utility tr	ench backfill.	te stairs, parking lots, driveways, etc.), D) unpaved landscaping and playgr	round	CONSTRUCTION REQUIRED
Periodic – Indicates that a p	periodic special inspection is required	LOR – 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 – Indicates that the special inspection may be performed by a pariect	1. Post-installed and item 7 for "Welding	chors for the following: A) exempt non-structural co	omponents (e.g., mechanical, electrical, plumbing equipment - see ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall		
Test – Indicates that a test is	s required	inspector when specifically approved by DSA. SI – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.	2. Concrete batch p in that section.	lant inspection is not required for items given in CBG	C Section 1705A.3.3.2 subject to the requirements and limitations		\sim
DGS DSA 103-19 (Revised 07/16/2			OGS DSA 103-19 (Revised 07/16.	·			LAR 01755
DIVISION OF THE STATE ARCHITEC		of GENERAL SERVICES STATE OF CALIFORNIA ge 1 of 6	DIVISION OF THE STATE ARCHITI		GENERAL SERVICES STAT' 2 of 6		
	empt from DSA Requirements for Str	uctural Tests / Special Inspections	Appendix: Work Ex	empt from DSA Requirements for Struc	actural Tests / Special Inspe	DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2019 CE	$\sum_{\Sigma} \overline{\mathbb{Q}}$
Application Number: 04-119396 DSA File Number: PC-127	School Name: Mobile Modular Management Corp Increment Number;	School District: Mobile Modular Management Corp Date Created: 2020-09-01 09:39:04	Application Number: 04-119396 DSA File Number: PC-127	School Name: Mobile Modular Management Corp Increment Number;	School Distr' Mobile M Date	Application Number: School Name: School District: 04-119396 Mobile Modular Management Corp Mobile Modular Management DSA File Number: Increment Number: Date Created: PC-127 2020-09-01 09:39:04	
IR 21-1.16. Refer to co	-shear masonry walls may be exempt from certain construction documents for specific exemptions a els in site flatwork and/or other non-structural cor		etc.) (connections of 19, 19.1 and/or 19.2	located in the Steel/Aluminum category).	velocing will require special inspection—noted in selected item(s) for sect	cion cion cion cion cion cion cion cion	IDENTIFICATION STANDIV. OF THE STATE ARCH
in that section.	cing bars is not required for items given in CBC Se	ction 1910A.2 subject to the requirements and limitations	following: A) when	exempt non-structural components given in CBC Sec supported on a floor/roof, <400# and resulting com of, B) when hung from a wall or roof/floor, <20# for	action 1617A.1.1 (which replaces ASCE 7-16, Section 13.1.4) meeting the apposite center of macrocal discrete units or plf nodistributed systems.	Name of Structural Engineer (When structural design has been delegated):	APP: 04-119396 PC REVIEWED FOR SS FLS ACS D DATE: 10/29/2020
adjacent grade. Whe edge of floor or roof.	en located above circulation or occupied space be f.	section for rolling gates of 10' and apex height less than 8'-0" above lowest elow, these gates are not located within 1.5x gate/fence height (max 8'-0") to the				Signature of Architect or Structural Engineer: Date: Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic	
□ 3. Non-structural into weight and light-weight	e 'Exception' language in Section 1705A.2.1); fillet terior cold-formed steel framing spanning less that eight finishes or adhered tile, masonry, stone, or to	in 15'-0", such as in interior partitions, interior soffits, etc. supporting only self erra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height					DSA STAMP
wall for a header or k 4. Manufactured sup weighing less than 2	king stud. oport frames and curbs using hot rolled or cold-fo	ormed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment nes to superstructure elements using welding will require special inspection as pove).					
		hanical, electrical, or plumbing hanger support and bracing (connections of such pecial inspection as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of					9396
OGS DSA 103-19 (Revised 07/16/2	ECT DEPARTMENT C	OF GENERAL SERVICES STATE OF CALIFORNIA uge 3 of 6	DGS DSA 103-19 (Revised 07/16, DIVISION OF THE STATE ARCHITI	ECT DEPARTMENT OF	GENERAL SERVICES STATE OF CAL	DGS DSA 103-19 (Revised 07/16/20x LIFORNIA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES Page 5 of 6	STATE OF CALIFORNIA
		SITE SPECIFI	PRE	-CHECK (PC) DOCUMENT CODE: 2019 CBC	PC ENGINEER OF RECORD	MEMBER STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA TABLE OF CONTENTS Description	Dated Revised CHECKED
				ARATE PROJECT APPLICATION ONSTRUCTION IS REQUIRED	STRUCTURAL EN STRUCTURAL EN 4091 RIVERSIDE D CHINO, CALIFORNIA	AMERICAN CONCRETE INSTITUTE	AUG. 15, 202 scale
				N KEO	No.3602	Fax(909) 613-0238	JOB NO.
					Mobile Modular Management copied or otherwise disposed in whole or in part to assis	al contained therein are the property of Corporation (MMMC) and shall not be reproduced, d of directly or indirectly and shall not be used t in the making of, or for the purpose of	
				Date Sign	parts thereof without the ful	for the making of drawings, prints, apparatus or II knowledge and written consent of MMMC and II knowledge and originating with MMMC and shall	OF 19 SI





- 9. LAG BOLT AND HOLE PER LAG SCHEDULE TABLE #1 OR TABLE #2
- 10. DRIVE 1" STANDARD DIA. X 15" G.I. PIPE @ 10'-0" O.C. MAX. DRILL SILL PLATE 1-1/4" MAX. PIPE MAY BE DRIVEN AT MAX. 45 ANGLE TO VERTICAL
- 11. STEEL FLOOR CHANNEL
- 12. 5" DIA. ACCESS HOLE AT MODULE CONNECTION BOLT LOCATIONS.
- 15. PLYWOOD STRIP -3/4" X 3" X 8" PIECE W/(2) #12X 2-1/4" FLAT HEAD WOOD SCREWS EACH END.
- 16. PLUG 5" DIA. PIECE OF FLOOR SHEATHING W/(2) #12X 2-1/4" FLAT HEAD WOOD
- 21. FLOOR JOIST OR BLOCK BETWEEN FLOOR JOIST.
- 23. CONTINUOUS 2X12X(SEE PLAN). NAIL(2) 16d AT EACH END AND 3" O.C.
- 24. 2X10X24" LONG SILL PADS. P.T.H.F. (SEE PLAN FOR QUANTITY (10) AT ENDS & (12) AT INTERIOR) @ 50# FLOOR LOAD, PROVIDE 12 AT ENDS AND 16 AT INTERIOR



AURORA MODULAR INDUSTRIES, INC. (AU)

ADJACENT BUILDING FOUNDATIONS

SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.

NOTE: ADJACENT BUILDING PLAN DETAILS ARE PER EXISTING APPROVED DSA STOCKPILE PLANS

SITE SPECIFIC APPROVAL

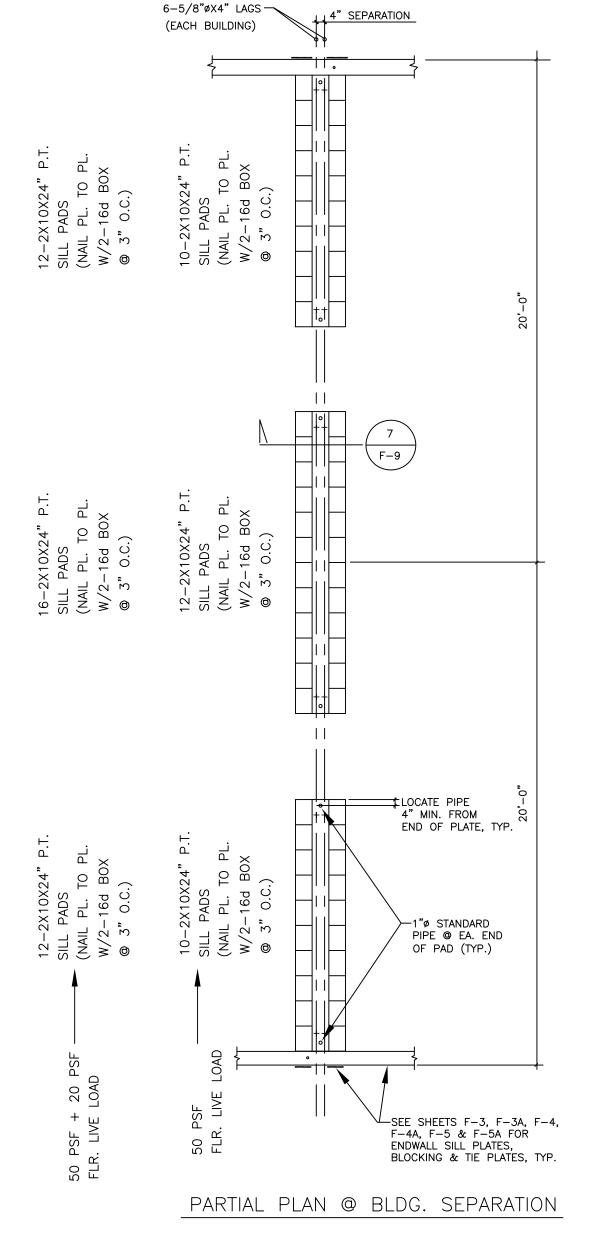
DSA PC STAMP

PRE-CHECK (PC) DOCUMENT

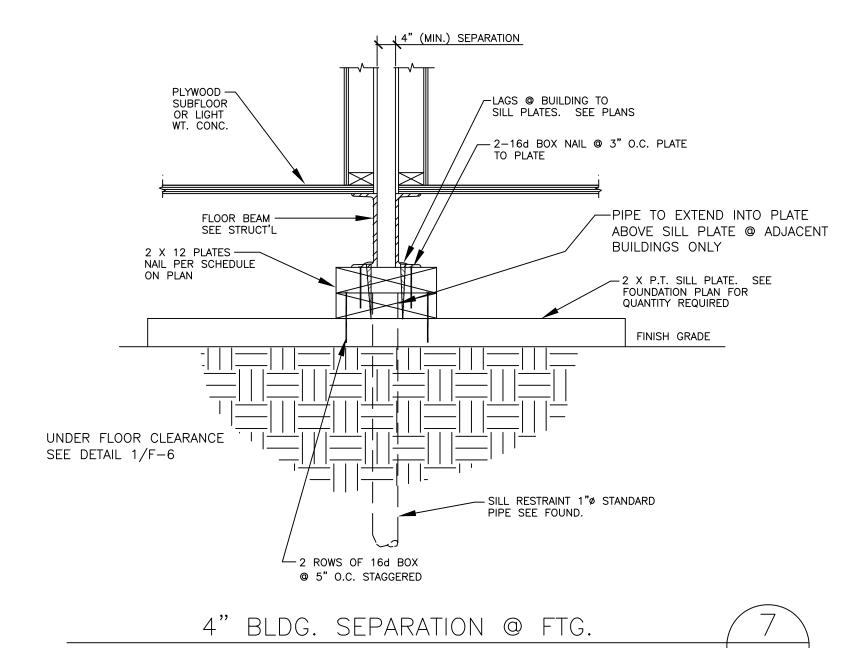
CODE: 2019 CBC

A SEPARATE PROJECT APPLICATION

FOR CONSTRUCTION IS REQUIRED



(SEPARATION APPLIES WHEN BUILDINGS ARE SET AS TWO INDIVIDUAL UNITS)



SILVER CREEK INDUSTRIES, INC. (SI)

ADJACENT BUILDING FOUNDATIONS

SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.

NOTE: ADJACENT BUILDING PLAN DETAILS ARE PER EXISTING APPROVED DSA STOCKPILE PLANS

TABLE 2

TABLE 1

NUMBER OF LAGS PER BUILDING AT ADJACENT BUILDING LINES 50 PSF / 50 + 20 PSF / 100 PSF

Duilding Cina	NOMBER OF THE	NOMBER OF HE	NOMBER OF HE	NOWIRER OF LIF	
Building Size	PL's PER ENDWALL	PL's PER SIDEWALL	PL's PER ENDWALL	PL's PER SIDEWALL	
	5/8"	1/2" x 3-1/2"			
	Ss= 2.183	Ss= 3.08	Ss= 2.183	Ss= 3.08	
24'x40'	4	6	6	9	
36'x40'	6	9	9	13	
48'x40'	8	12	12	17	

NUMBER OF LAGS PER BUILDING AT ADJACENT BUILDING LINES						
		125 PSF				
Duilding Ciso	NUMBER OF TIE	NUMBER OF TIE	NUMBER OF TIE	NUMBER OF TIE		
Building Size	PL's PER ENDWALL	PL's PER SIDEWALL	PL's PER ENDWALL	PL's PER SIDEWALL		
	5/8"	1/2" x 3-1/2"				
	Ss= 2.183	Ss= 3.08	Ss= 2.183	Ss= 3.08		
24'x40'	7	10	10	15		
36'x40'	11	15	16	22		
48'x40'	14	20	21	29		

LAG SCHEDULE TABLES

Sheet No.

APPROVAL - PC ENGINEER OF RECORD
No.3602 No.3602 No.3602
Date Signed: September 24, 2020

STRUCTURAL ENGINEERS, INC.

be the property of MMMC.

4091 RIVERSIDE DRIVE, SUITE 114 CHINO, CALIFORNIA 91710

MEMBER STRUCTURAL ENGINEERS AMERICAN CONCRETE

ASSOCIATION OF CALIFORNIA (909) 613-0234 Fax(909) 613-0238

This drawing and the material contained therein are the property of Mobile Modular Management Corporation (MMMC) and shall not be reproduced, copied or otherwise disposed of directly or indirectly and shall not be used in whole or in part to assist in the making of, or for the purpose of furnishing, any information for the making of drawings, prints, apparatus or parts thereof without the full knowledge and written consent of MMMC and all patentable material contained herein and originating with MMMC and shall

TABLE OF CONTENTS

Description

Dated

Revised

CHECKED AUG. 15, 2020 JOB NO.

PRE-CHECK (PC)

DOCUMENT CODE: 2019 CBC

SEPARATE PROJECT

BLVD. 917

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 04-119396 PC REVIEWED FOR SS FLS ACS CG CG

9336

 \bigcirc

APPLICATION FOR CONSTRUCTION IS REQUIRED