CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE CLASSROOM IMPROVEMENTS

FUGMAN ELEMENTARY SCHOOL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

FOR DSA USE ONLY

DSA APP # 02-120131

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.

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, AND THE CALIFORNIA BUILDING CODE, CURRENT EDITION(S).*
2. *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 EXCEED 2%*
   b) *ACCESSIBLE PATH OF TRAVEL LONGITUDINAL SLOPES SHALL NOT EXCEED 5%*
   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*
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. *DRAINAGE SHALL NOT BE ALLOWED ONTO ADJACENT PROPERTY.*
5. *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.*
6. *THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS REQUIRED BY THE PROJECT SPECIFICATIONS, AND BY GOVERNING PUBLIC AGENCIES.*
7. *THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO START OF ANY WORK.*
8. *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.*
9. *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 REQUIRED.*
10. *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.*
11. *LAYOUT ALL PAVEMENT MARKINGS TO MATCH EXISTING UNLESS NOTED OTHERWISE ON PLANS.*
12. *PAINT ALL CURBS AND WHEELSTOPS TO MATCH EXISTING WITHIN PROJECT LIMITS, UNLESS SHOWN OTHERWISE ON THE PLANS*
13. *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.*
14. *NO CONCRETE MAY BE POURED UNTIL ALL FORMS AND REINFORCEMENTS HAVE BEEN REVIEWED AND APPROVED BY THE PROJECT INSPECTOR.*
15. *REPLACE ALL DAMAGED TURF AND IRRIGATION FACILITIES RESULTING FROM THE WORK REQUIRED.*
16. *ADJUST ALL UTILITY LIDS TO FINISHED GRADE WITHIN CONSTRUCTION AREA PER DETAIL [D/X101F] UNLESS NOTED OTHERWISE. REMOVE AND REPLACE ALL BROKEN OR DAMAGED LIDS AND BOXES. ALL LIDS WITHIN TRAFFIC AREAS SHALL BE TRAFFIC RATED.*
17. *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.*
18. *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.*
19. *CONTRACTOR TO MATCH EXISTING PAVEMENT GRADE AT ALL NEW PAVEMENT LOCATIONS UNLESS NOTED OTHERWISE ON THE PLANS.*
20. *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.*
21. *INSTALL DOWELED CONNECTION AT JOINT OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL [B/X101F]*
22. *TREAT ALL JOINTS BETWEEN EXISTING ASPHALT AND CONCRETE SURFACES PER DETAIL [A/X101F]*

FLOOD HAZARD INFORMATION:

FLOOD ZONE DESIGNATION:
ZONE X - AREA OF MINIMAL FLOOD HAZARD

FLOOD INSURANCE RATE MAP (F.I.R.M.) PANEL DESIGNATION:
MAP #06019C1020H

EFFECTIVE DATE OF F.I.R.M.:
FEBRUARY 18, 2009

ENFORCING AGENCY:

DIVISION OF THE STATE ARCHITECT (DSA), SACRAMENTO OFFICE

NOTES:

NO DEFERRED APPROVALS INCLUDED IN THIS DSA APPLICATION

DETERIORATION OF EXISTING NON-COMPLIANT CONSTRUCTION:

IF ANY CONDITION IS DISCOVERED WHICH, IF LEFT UNCORRECTED, WOULD MAKE THE BUILDING NON-COMPLIANT WITH THE 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 ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.

NOTES:

1. *A COPY OF TITLE 24 C.C.R. PARTS 1 THROUGH 5 AND 9 SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.*
2. *CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY 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 APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. 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 APPLICABLE), DELEGATED PROFESSIONAL ENGINEER, DSA.*
4. *ADDENDA SHALL BE APPROVED BY DSA.*
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, PART I, AND APPROVED DSA-103*
7. *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 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 ACCORDANCE WITH SECTION 4-333(b), THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-342, PART I.*
10. *SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-334, PART I.*
11. *CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM DSA-6) IN ACCORDANCE WITH TITLE 24 SECTION 4-336 AND 4-343, PART I.*
12. *THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-333(A). 4-341, AND 4-344, PART I.*
13. *THE CONTRACTOR SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-343, PART I.*
14. *DSA IS NOT SUBJECT TO ARBITRATION.*
15. *THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE 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 CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE OFFICE OF REGULATIONS SERVICES BEFORE PROCEEDING WITH THE WORK.*
16. *GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONCERNS SHALL COMPLY WITH ALL LOCAL ORDINANCES.*
17. *MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.*
18. *PER C.B.C. 11B-104.1 "ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS."*

GOVERNING CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), C.C.R. TITLE 24, PART1
2019 CALIFORNIA BUILDING CODE (CBC), C.C.R. TITLE 24, PART 2
2019 CALIFORNIA ELECTRICAL CODE (CEC), C.C.R. TITLE 24, PART 3
2019 CALIFORNIA MECHANICAL CODE (CMC), C.C.R. TITLE 24, PART 4
2019 CALIFORNIA PLUMBING CODE (CPC), C.C.R. TITLE 24, PART 5
2019 CALIFORNIA FIRE CODE (CFC), C.C.R. TITLE 24, PART 9
2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R. TITLE 24, PART 12
2019 CALIFORNIA ENERGY CODE (CAC), C.C.R. TITLE 24, PART 6
C.C.R. TITLE 24, PART II
C.C.R. TITLE 19 PUBLIC SAFETY
NFPA 72-16 NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED)
UL 38-99 MANUALLY ACTUATED SIGNALING BOXES (AS AMENDED)
UL 268-09 SMOKE DETECTORS FOR FIRE ALARM SYSTEMS
UL 268A-09 SMOKE DETECTORS FOR DUCT APPLICATIONS (AS AMENDED)
UL 464-03 AUDIBLE SIGNAL APPLIANCES (AS AMENDED)
UL 521-99 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS (AS AMENDED)
UL 1424 CABLES FOR POWER-LIMITED FIRE-ALARM CIRCUITS (2005 EDITION)
UL 1971 SIGNALING DEVICES FOR THE HEARING IMPAIRED 2002 (R2012) EDITION
AMERICANS WITH DISABILITIES ACT

DSA FILE NO:

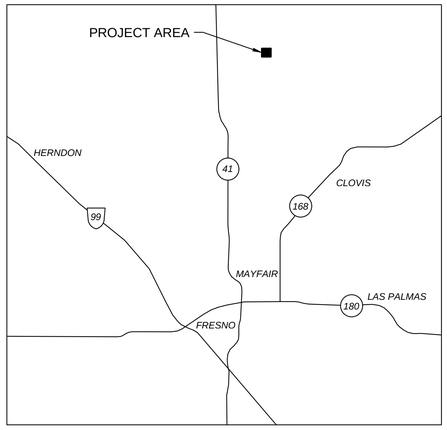
10-27

PTN:

62117-462

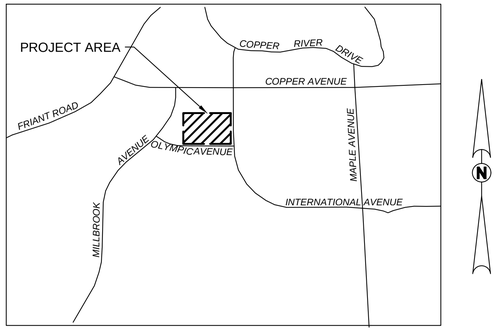
DSA APPL NO:

02-120131



AREA MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE

WATCH FOR OVERHEAD POWER LINES

811
Know what's **below.**
Call before you dig.

SITE ADDRESS:

FUGMAN ELEMENTARY SCHOOL
10825 N. CEDAR AVE,
FRESNO, CA 93730

PROJECT CONTACTS:

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*
CIVIL ENGINEER:	*BLAIR, CHURCH & FLYNN* *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*
LANDSCAPE ARCHITECT:	*BLAIR, CHURCH & FLYNN* *CONSULTING ENGINEERS* *451 CLOVIS AVENUE, SUITE 200* *CLOVIS, CA 93612* *PHONE: (559) 326-1400* *CONTACT: DAVE BRILEY* *E-MAIL: Dbriley@bcf-engr.com*
ELECTRICAL ENGINEER:	*HARDIN DAVIDSON ENGINEERING* *356 POLLASKY AVENUE, SUITE 200* *CLOVIS, CA 93612* *PHONE: (559) 323-4995* *CONTACT: SCOTT DAVIDSON* *E-MAIL: sd@hardin-davidson.com*
MODULAR BUILDING COMPANY:	*MOBILE MODULAR* *5700 LAS POSITAS* *LIVERMORE, CA 94550* *PHONE: (926) 273-9786* *CONTACT: JENNY LEVAS* *E-MAIL: jenny.levas@mobilemodular.com*

SCOPE OF WORK:

1. *RELOCATION OF (2) 24'x40' PORTABLE BUILDINGS, 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.

APPLICATION NO.: 02-120131 *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 BEEN EXAMINED BY ME FOR:

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

ENGINEER'S SIGNATURE	*04/28/22*
BRIAN BROOKS	*DATE*
STRUCTURAL ENGINEER	
BLAIR, CHURCH & FLYNN CONSULTING ENGINEERS	
S6614	*03/31/23*
LICENSE NUMBER	*EXPIRATION DATE*

REGISTERED PROFESSIONAL ENGINEER LANE R. BADER No. 47033 CIVIL STATE OF CALIFORNIA
04/28/2022
Date Signed:

TABLE OF CONTENTS

SHEET NUMBER	SHEET TITLE
GENERAL	
C100F	*COVER SHEET*
C101F	*ACCESSIBILITY PLAN*
C102F	*FIRE ACCESS PLAN*
CIVIL	
C103F	*TOPOGRAPHIC SURVEY NOTES AND LEGEND*
C104F	*TOPOGRAPHIC SURVEY*
C201F	*DEMOLITION PLAN*
C301F	*SITE PLAN*
C401F	*GRADING AND DRAINAGE PLAN*
X101F	*DETAILS*
LANDSCAPING	
L101F	*IRRIGATION PLAN*
L102F	*IRRIGATION DETAILS*
L201F	*PLANTING PLAN*
ELECTRICAL	
E101	*ELECTRICAL NOTES*
E102	*ELECTRICAL DETAILS*
E103	*ELECTRICAL LINE DIAGRAMS*
E201	*FIRE ALARM NOTES AND DETAILS*
E202	*FIRE ALARM SITE AND BUILDING PLANS*
E301	*ELECTRICAL SITE PLAN*
E302	*ENLARGED ELECTRICAL SITE PLAN*
ARCHITECTURAL PC 02-105136, SERIAL # 7465-7466, 7467-7468	
A0	*COVER SHEET*
A1	*FLOOR PLAN*
A2	*MECHANICAL AND REFLECTED CEILING PLANS*
A3	*ELECTRICAL POWER AND SIGNAL PLAN*
A4	*SECTIONS AND DETAILS*
A5	*DETAILS*
~~*S1W30*~~	~~*30 PSF WOOD FOUNDATION PLAN DETAILS*~~
S2	*ROOF-CEILING-FLOOR FRAMING PLANS*
S3	*LONGITUDINAL BUILDING SECTION*
S4	*CONNECTION DETAILS*
S5R	*HANDICAP ACCESS RAMP*
RELOCATABLE BUILDING PC 04-119396	
F1	*COVER SHEET*
F2	*A-NUMBERS*
F3	*FOUNDATION PLANS*
~~*F3A*~~	~~*FOUNDATION PLANS*~~
~~*F3B*~~	~~*FOUNDATION PLANS*~~
~~*F3C*~~	~~*FOUNDATION PLANS*~~
~~*F4*~~	~~*FOUNDATION PLANS*~~
~~*F4A*~~	~~*FOUNDATION PLANS*~~
~~*F4B*~~	~~*FOUNDATION PLANS*~~
~~*F4C*~~	~~*FOUNDATION PLANS*~~
~~*F5*~~	~~*FOUNDATION PLANS*~~
~~*F5A*~~	~~*FOUNDATION PLANS*~~
~~*F5B*~~	~~*FOUNDATION PLANS*~~
~~*F5C*~~	~~*FOUNDATION PLANS*~~
F6	*DETAILS*
F7	*GENERAL SPECIFICATIONS*
~~*F7A*~~	~~*DSA FORM 103*~~
~~*F8*~~	~~*ADJACENT BUILDINGS DETAILS*~~
~~*F9*~~	~~*ADJACENT BUILDINGS DETAILS*~~

TOTAL SHEET COUNT: 49

Blair, Church & Flynn
CONSULTING ENGINEERS

LICENSED PROFESSIONAL ENGINEER BRIAN M. BROOKS S 6614 STRUCTURAL STATE OF CALIFORNIA
04/28/2022
Date Signed:

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

REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

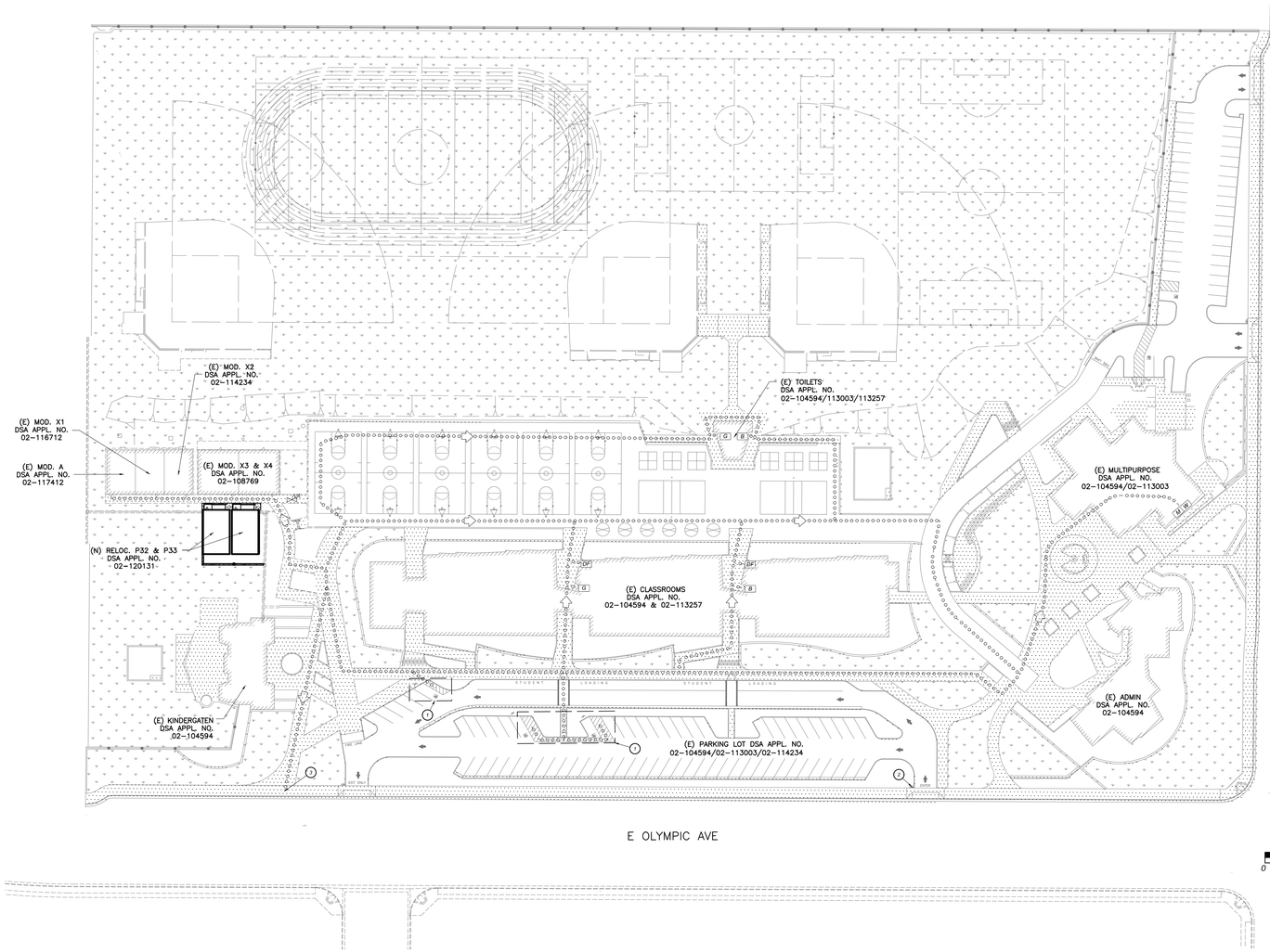
PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
COVER SHEET

CONST. DOCUMENTS

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

C100F

Drawing # 2122100 G:\Projects\Clovis Unified\Drawings\2122100_CUSD_FUGMAN Mod Upgrade\C100F.dwg
Plot by: bjgoode May 02, 2022 - 4:01pm



SITE LEGEND:

- EXISTING ACCESSIBLE PATH OF TRAVEL
- EXISTING PROPERTY LINE
- EXISTING BUILDING
- NEW BUILDING
- EXISTING CONCRETE TO REMAIN
- EXISTING TURF TO REMAIN
- PROPOSED CONCRETE
- B — EXISTING ACCESSIBLE BOYS RESTROOM PER DSA APP. NO. 02-113003
- G — EXISTING ACCESSIBLE GIRLS RESTROOM PER DSA APP. NO. 02-113003
- M — EXISTING ACCESSIBLE MENS RESTROOM PER DSA APP. NO. 02-113003
- W — EXISTING ACCESSIBLE WOMENS RESTROOM PER DSA APP. NO. 02-113003
- DF — EXISTING ACCESSIBLE DRINKING FOUNTAIN PER DSA APP. NO. 02-113003
- (1) EXISTING VAN ACCESSIBLE PARKING WITH TRUNCATED DOMES PER DSA APP. NO. 02-112760
- (2) EXISTING ACCESSIBLE TOW AWAY SIGN PER DSA APP. NO. 02-112760
- (3) ROUTE TO PUBLIC WAY

PARKING LOT SUMMARY:

DSA APP #	TOTAL STALLS PROVIDED	ACCESSIBLE STALLS PROVIDED	ACCESSIBLE STALLS REQUIRED PER CBC 11-B208.2
02-104594 02-113003 02-114234	68	3 TOTAL (1 VAN)	3 TOTAL (1 VAN)

PROJECT DATA / CODE ANALYSIS:

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

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

FIRE SPRINKLERS:..... NO.
1. It is a relocatable building at the site for less than three years (CBC 903.2.20).
2. Total Applicable Building Area (7,632 SF) is less than 12,000 SF maximum for no sprinklers (CBC 903.2.3).
3. The existing modular units are all sprinklered.

OCCUPANCY CLASSIFICATION:..... E, EDUCATION GROUP
(CBC 305)

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

BUILDING AREA..... ALLOWABLE 9,500 SF
(CBC TABLE 506.2)

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)

EXISTING 5,760 SF
PROPOSED 1,920 SF
TOTAL 7,680 SF (< 9,500 SF)

OCCUPANT LOAD CALCULATION (CBC TABLE 1004.5)

Existing Adjacent Modular Buildings: 'A', 'X1 & X2' (24' x 40'):
CONSTRUCTION TYPE:..... V-B
OCCUPANCY CLASSIFICATION:..... E, EDUCATION GROUP
CLASSROOM AREA:..... (3) 960 = 2880 SF
OCC. LOAD FACTOR..... 1 OCC./ 20 SF NET
*960/20 = 48 (EACH)***

Existing Adjacent Modular Buildings: 'X3 & X4' (36' x 40'):
CONSTRUCTION TYPE:..... V-B
OCCUPANCY CLASSIFICATION:..... E, EDUCATION GROUP
CLASSROOM AREA:..... (2) 1440 = 2880 SF
OCC. LOAD FACTOR..... 1 OCC./ 20 SF NET
*1440/20 = 72 (EACH)****

Proposed (2) 24' x 40' Classrooms
CLASSROOM AREA:..... (2) 960 = 1920 SF
OCC. LOAD FACTOR..... 1 OCC./ 20 SF NET
*960/20 = 48 (EACH)***

Total: 384

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

*****2 EXITS PER CLASSROOM REQUIRED AND 2 EXITS PROVIDED***
(CBC TABLE 1006.2.1 FOR OCCUPANT LOAD OVER 49 LESS THAN 501)

NOTE:

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

FOR DSA USE ONLY

DSA APP # 02-120131

PATH OF TRAVEL REQUIREMENTS:

1. *DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: 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 AND STRUCTURAL REPAIRS.*

   AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS 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 THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

   ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

   DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

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 HAS INDICATED ON THE PLANS REMEDIAL WORK WHICH WOULD CAUSE IT TO BE, A BARRIER FREE ACCESSIBLE ROUTE:*
   1. *AT LEAST 48" IN WIDTH; OR AS APPROVED BY CODE. WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 1/4".*
   2. *WITH A FIRM, STABLE, AND SLIP RESISTANT WALKING SURFACE; WITH A RUNNING SLOPE OF 1:20 OR LESS, UNLESS OTHERWISE INDICATED, AND A CROSS SLOPE OF 1:48 OR LESS;*
   3. *IS FREE OF OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE*
   4. *IS FREE OF OBJECTS WHICH PROTRUDE MORE THAN 4" BETWEEN THE HEIGHTS OF 27" AND 80" ABOVE THE WALKING SURFACE.*
3. *PASSING SPACES (11B-403.5.3) OF 60"x60" MIN. ARE LOCATED NOT 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 CURB AT LEAST 6" IN HEIGHT ABOVE THE WALK (11B-303.5).*

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

REGISTERED PROFESSIONAL ENGINEER
LANE R. BAUER
No. 47437
CIVIL
STATE OF CALIFORNIA
04/28/2022
Date Signed:

Blair, Church & Flynn
CONSULTING ENGINEERS

LICENSED PROFESSIONAL ENGINEER
GRAHAM M. BROWN
S 6614
STRUCTURAL
STATE OF CALIFORNIA
04/28/2022
Date Signed:

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

REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

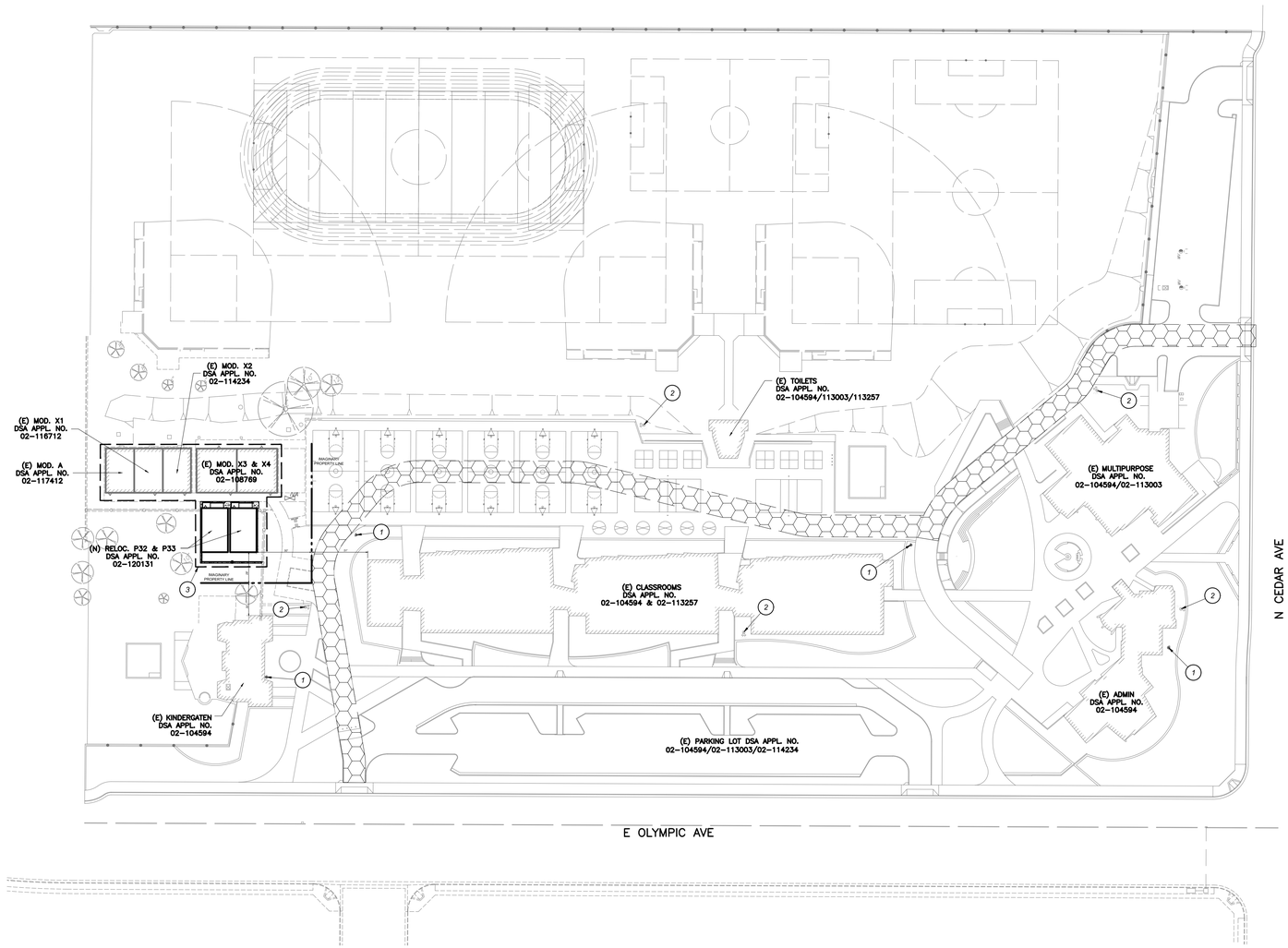
PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
ACCESSIBILITY PLAN

CONST. DOCUMENTS

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

C101F

Drawing: P:\2021\21037\Drawings\Arch\Construction\21037A0_ADA01.dwg, 5/10/2022 - 8:57:48a
Plot by: dgarcia May 02, 2022 - 4:01pm



SCALE: N 1"=60'

0 10 30 60 90 120
SCALE IN FEET

SITE LEGEND:

- *EXISTING 20' WIDE FIRE LANE*
- *NEW BUILDING*
- *EXISTING BUILDING*
- (1) *EXISTING FIRE HYDRANT*
- (2) *EXISTING F.D.C.*
- (3) *ALL MODULAR UNITS WITHIN DASHED LINE SHALL BE CONSIDERED AS PORTIONS OF ONE BUILDING (CBC 705.3 EXCEPTION 1)*

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APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

FOR DSA USE ONLY

DSA APP # 02-120131

FIRE AUTHORITY

KERRI L. DONIS, CFO, EFO, MSOL
FIRE CHIEF

Billy Alcorn, Deputy Fire Chief/Fire Marshal
Prevention and Support Services Division
(559) 621-4181 • FAX (559) 498-4323
Fresno Fire Department • 911 H Street • Fresno, CA 93721-3082

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

DATE: April 8, 2022

TO: Diego Gaona, Assistant Engineer
Blair, Church and Flynn

SUBJECT: Waterflow Curve for 10825 N. Cedar, Fugman 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:

For purposes of fire sprinkler hydraulic design for this project, a curve of

- ☒ 45 psi static/35 psi residual/flow of 1800 gpm (prescriptive curve "A")
- ☐ 45 psi static/35 psi residual/flow of 1350 gpm (prescriptive curve "B")
- ☐ 40 psi static/25 psi residual/flow of 1350 gpm (prescriptive curve "C")
- ☐ Other:

shall be utilized as the basis of design at the point of connection to the 14 inch water main located in either N. Cedar or E. Olympic. It is assumed that there is a 8 inch onsite loop between the two points of service currently supplying private fire hydrants and fire sprinkler systems.

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.

Sincerely,

"To protect and put service above all else."

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

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

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

PROJECT INFORMATION	
School District/Owner:	*CLOVIS UNIFIED SCHOOL DISTRICT*
Project Name/School:	*FUGMAN ELEMENTARY SCHOOL*
Project Address:	*10825 N. CEDAR AVE, FRESNO, CA 93730*

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes X		No ☐
2.	Was fire hydrant water flow test performed as part of this LFA review?	Yes ☐		No X
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No X
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			X	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			X	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			X	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			X	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

CAUTION
WATCH FOR OVERHEAD POWER LINES

811
Know what's below.
Call before you dig.

REGISTERED PROFESSIONAL ENGINEER
LANE R. BAGLEY
No. 47133
CIVIL
STATE OF CALIFORNIA
04/28/2022
Date Signed:

Blair, Church & Flynn
CONSULTING ENGINEERS

LICENSED PROFESSIONAL ENGINEER
BRIAN M. BROWN
S 6019
STRUCTURAL
STATE OF CALIFORNIA
04/28/2022
Date Signed:

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

REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
FIRE ACCESS PLAN

CONST. DOCUMENTS

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

C102F

Drawing: P:\2021\21023\Drawing\Fire Access Drawings\210231_FAP01_FUGMAN.dwg, 5/10/2022 - 8:04:45 AM
Plot by: dgaona May 02, 2022 - 4:01pm

GENERAL TOPOGRAPHIC SURVEY LEGEND:

(NOT ALL SYMBOLS SHOWN APPEAR ON THE PLANS)

AB	ABUTMENT
AC	ASPHALTIC CONCRETE
ACE	ASPHALTIC CONCRETE EDGE
AD	ASPHALTIC CONCRETE DIKE
AWT	ALL-WEATHER TRACK
BD	BRIDGE DECK
BFC	BOTTOM FACE OF CURB
BGST	STEPS
BGTR	TOP OF ROOF
BGV	BUILDING VENTS
BOD	BOTTOM OF DITCH
BR	BARRICADE
BRK	BRICK
BW	BARRIER WALL
CB	CATCH BASIN
CDA	CONCRETE DRIVE APPROACH
CE	CONCRETE EDGE
CMP	CORRUGATED METAL PIPE
CON	CONCRETE
COTH	COMMUNICATION TRENCH
CR	CROWN OF ROAD
CRQ	QUARTER CROWN
CS	CONCRETE SLAB
CULV	CULVERT
CW	CONCRETE WALL
DD	DOWN DRAIN
DFL	DITCH FLOWLINE
DWY	DRIVEWAY
ECTH	ELECTRICAL TRENCH
EDR	EDGE OF DIRT ROAD
EGR	EDGE OF GRAVEL ROAD
EOD	EDGE OF OILED DIRT
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
ET	EDGE OF TRAVELED WAY
FF	FINISH FLOOR
FOTH	FIBER OPTIC TRENCH
GB	GRADE BREAK
GFL	GUTTER FLOWLINE
GRA	GRAVEL SPOT SHOT
GRAE	EDGE OF GRAVEL
GSTH	GAS TRENCH
HDR	WOOD HEADER
HW	HEAD WALL
KR	K-RAIL
LIP	LIP OF GUTTER
LSDE	DECOMPOSED GRANITE EDGE
LSDG	DECOMPOSED GRANITE
LSGC	GROUND COVER
LSGF	GOLF COURSE FAIRWAY
LSGG	GOLF COURSE GREEN
LSGT	GOLF COURSE TEE
LSSA	SAND
LSSP	SLOPE PROTECTION
LSST	GOLF COURSE SAND TRAP
NPTH	NON-POTABLE TRENCH
PA	PATIO
PGTH	PROPANE GAS TRENCH
POS	POINT ON SLOPE
RCP	REINFORCED CONCRETE
RIEL	RIPARIAN EDGE OF LAKE
RIEP	RIPARIAN EDGE OF POND
RIES	RIPARIAN EDGE OF STREAM
RIEW	RIPARIAN EDGE OF WETLAND
RIFL	RIPARIAN FLOWLINE
RIMC	RIPARIAN MISC.
RIP	RIP-RAP SLOPE PROTECTION
RK	ROCK
RW	RETAINING WALL
SB	SPEED BUMP
SDCD	STORM DRAIN CROSS DRAIN
SDFL	STORM DRAIN FLOWLINE
SDGR	STORM DRAIN GRATE
SDMG	STORM DRAIN MANHOLE W/ GRATE
SSFL	SEWER FLOWLINE
SDTH	STORM DRAIN TRENCH
SSGT	STORM DRAIN GREASE TRAP
SSST	SEWER TANK (SEPTIC)
SSTH	SEWER TRENCH
SWK	SIDEWALK
SWL	SWALE
T	TURF
TBC	TOP BACK OF CURB
TBW	TOP BACK OF WALK
TF	TOP OF FOOTING
TFC	TOP FACE OF CURB
TFW	TOP FACE OF WALK
TLTH	TELEPHONE TRENCH
TOB	TOP OF BANK
TOE	TOE OF SLOPE
TOP	TOP OF SLOPE
TRDO	TRUNCATED DOMES
TVTH	TV TRENCH
TW	TOP OF WALL
UTH	UNIDENTIFIED TRENCH/SCAR LINE
VGFL	VALLEY GUTTER FLOWLINE
VGR	VALLEY GUTTER
WALBA	BARRIER WALL
WALBW	BLOCK WALL
WALCW	CONCRETE WALL
WALHW	HEAD WALL
WALRW	RETAINING WALL
WALWW	WING WALL
WCR	WHEELCHAIR RAMP
WLPD	WELL PAD
WTTH	WATER TRENCH
WW	WING WALL
(335.21)	EXISTING ELEVATION
AL	ACCENT LIGHT
AV	ALFALFA VALVE
	BACKFLOW ASSEMBLY
	BASKETBALL GOAL
BOV	BLOW-OFF VALVE
	BM=BENCHMARK; OR SBM=SITE BENCHMARK
BO	BOLLARD
CO	CLEANOUT
COMB	COMMUNICATION PULLBOX
COVA	COMMUNICATION VAULT
312.55	SURVEY CONTROL MONUMENT
DF	DRINKING FOUNTAIN
DS	DOORSTOP
DW	DRYWELL
EG	ELECTRICAL GROUND
ELC	ELECTRICAL CONDUIT
	ELECTRICAL METER
EPB	ELECTRICAL PULLBOX
	ELECTRICAL VAULT LID
ETS	GAS ELECTRONIC TESTING STATION
FDC	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
FP	FENCE POST
FLP	FLAG POLE
GAS	GAS LINE; DIAMETER AS SHOWN
GR	GAS REGULATOR
GAV	IRRIGATION GATE VALVE
G	GAS METER
GOP	GOAL POST
GP	GUY POLE
4"GR	GRATE; DIAMETER AS SHOWN
GS	GATE STOP
GSR	GAS RISER
GV	GAS VALVE
GRD	GROUNDING ROD
GUY	GUY WIRE
HB	HOSE BIBB
HR	HANDRAIL
ICB	IRRIGATION CONTROLLER
I	IRRIGATION DISTRICT MANHOLE
IVA	IRRIGATION REMOTE CONTROL VALVE
ISB	IRRIGATION SPLICE BOX
IHB	IN-GROUND HOSE BIBB
IP	IRON PIPE
JP	JOINT UTILITY POLE
LP	LIGHT POLE
MB	MAIL BOX
MH	MANHOLE
MV	MANUAL IRRIGATION VALVE
PB	PULLBOX
PIV	POST INDICATOR VALVE
	UTILITY STUB
	PARKING METER
4"POST	POST; DIAMETER AS SHOWN
PP	POWER POLE
6"PVC	PVC PIPE; DIAMETER AS SHOWN
QC	QUICK COUPLER VALVE
RD	ROOF DRAIN
RDU	ROOF DRAIN UNDERGROUND
RS	ROOF SUPPORT
	STADIUM LIGHT POLE
	STORM DRAIN MANHOLE
	SIGN
PRB	SIGNAL LIGHT PUSH BUTTON
	STREET LIGHT
4"SLE	PIPE SLEEVE; DIAMETER AS SHOWN
	SLOPE
SLPB	STREET LIGHT PULLBOX
4"SLV	PIPE SLEEVE; DIAMETER AS SHOWN
S	SEWER MANHOLE
SP	SERVICE POLE
SPB	SIGNAL PULLBOX
	SPRINKLER
4"SPO	STEEL POST; DIAMETER AS SHOWN
12"SS	SAND SEPARATOR; SIZE AS NOTED
24"STP	STAND PIPE; DIAMETER AS NOTED
12"STUMP	TREE STUMP; DIAMETER AS SHOWN
MW	SURVEY MONUMENT WELL
4"TEL	TELEPHONE; DIAMETER AS SHOWN
T	TELEPHONE MANHOLE
TN	TENNIS NET POLE
TP	TELEPHONE POLE
TPB	TELEPHONE PULLBOX
TVPB	TELEVISION PULLBOX
	TREE; SPREAD SHOWN GRAPHICALLY AND TRUNK DIAMETER AS SHOWN
	PALM TREE; SPREAD SHOWN GRAPHICALLY
TSB	TELEPHONE SPLICE BOX
	TRAFFIC SIGNAL POLE
TSPB	TRAFFIC SIGNAL PULLBOX
UP	UTILITY POLE
VB	VACUUM BREAKER
VN	VOLLEYBALL NET POST
2"VP	VENT PIPE; DIAMETER AS SHOWN
WELL	WELL
W	WATER METER
WP	WELL PUMP
6"WPO	CIRCULAR WOOD POST; DIAMETER AS SHOWN
4"X4"WPO	SQUARE WOOD POST; SIZE AS SHOWN
4"W	WATER LINE; DIAMETER AS SHOWN
WV	WATER VALVE
	ASPHALT PAVEMENT
	CONCRETE BLOCK WALL
	BUILDING
	CONCRETE
	DETECTABLE WARNINGS
	DG OR GRAVEL
	CHAIN LINK FENCE
	CHAIN LINK ROLL GATE
	EDGE OF ASPHALT PAVEMENT
	WOOD FENCE
	DIRECTION OF FLOW
E	UNDERGROUND ELECTRIC
G 8"	GAS LINE; SIZE AS NOTED
OT	OVERHEAD TELEPHONE
SD 18"	STORM DRAIN LINE; SIZE AS NOTED
S 12"	SEWER LINE; SIZE AS NOTED
T	UNDERGROUND TELEPHONE
W 8"	WATER LINE; SIZE AS NOTED
AG 12"	AGRICULTURAL IRRIGATION LINE; SIZE AS NOTED
A 1"	AIR LINE; SIZE AS NOTED
C	COMMUNICATION LINE
350	MAJOR GRADE CONTOUR LINE
345	MINOR GRADE CONTOUR LINE
CW 2"	CHILLED WATER LINE; SIZE AS NOTED
CWR 2"	CHILLED WATER RETURN LINE; SIZE AS NOTED
CWS 2"	CHILLED WATER SUPPLY LINE; SIZE AS NOTED
	LIMIT OF DIRT
	LIMIT OF TURF
DL 1"	DRAIN LINE; SIZE AS NOTED
EMS	EMERGENCY MANAGEMENT SYSTEM
FA	FIRE ALARM LINE
F 8"	FIRE LINE; SIZE AS NOTED
FO	FIBER OPTIC LINE
	DRAIN TUBE
HW 2"	HOT WATER LINE; SIZE AS NOTED
HWR 2"	HOT WATER RETURN LINE; SIZE AS NOTED
HWS 2"	HOT WATER SUPPLY LINE; SIZE AS NOTED
HYD	HYDRAULIC LINE
ID 18"	IRRIGATION DISTRICT; SIZE AS NOTED
	IRON FENCE
IRR 3"	IRRIGATION MAIN LINE; SIZE AS NOTED
L 1"	IRRIGATION LATERAL LINE; SIZE AS NOTED
ITS	INTELLIGENT TRAFFIC SYSTEM
JT	JOINTLY TRENCHED UTILITIES
OC	OVERHEAD COMMUNICATIONS LINE
OE	OVERHEAD ELECTRIC LINE
OEC	OVERHEAD ELECTRIC AND COMMUNICATION LINE
OET	OVERHEAD ELECTRIC AND TELEPHONE LINE
OETV	OVERHEAD ELECTRIC AND TELEVISION LINE
OETVT	OVERHEAD ELECTRIC, TELEVISION AND TELEPHONE LINE
OTS	OVERHEAD TRAFFIC SIGNAL LINE
OTV	OVERHEAD TELEVISION LINE
OU	OVERHEAD UTILITY LINE
P 6"	PETROLEUM LINE; SIZE AS NOTED
RWI 3"	RECYCLED WATER IRRIGATION LINE; SIZE AS NOTED
S&SD 8"	SEWER AND STORM DRAIN LINE; SIZE AS NOTED
SFM 6"	SEWER FORCE MAIN; SIZE AS NOTED
ST 2"	STEAM LINE; SIZE AS NOTED
TFO	TRAFFIC FIBER OPTIC LINE
TS	TRAFFIC SIGNAL LINE
TV	TELEVISION LINE
UNK	UNKNOWN UTILITY LINE
	WIRE FENCE
	PROPERTY LINE
	CITY LIMIT
	EASEMENT 1
	EASEMENT 2
	RIGHT-OF-WAY LINE
	RIGHT-OF-WAY CENTER LINE
	SETBACK LINE

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DATE: 05/09/2022

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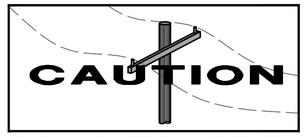

REGISTERED PROFESSIONAL ENGINEER
LANE R. BARTRAM
No. 47033
CIVIL
STATE OF CALIFORNIA
04/28/2022
Date Signed:

Blair, Church & Flynn
CONSULTING ENGINEERS

LICENSED PROFESSIONAL ENGINEER
WILLIAM M. BROOKS
S 6614
STRUCTURAL
STATE OF CALIFORNIA
04/28/2022
Date Signed:

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

REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
TOPOGRAPHIC SURVEY LEGEND

CONST. DOCUMENTS

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

C103F

Drawing P:\2021\02120131\Fugman\Architectural\Drawings\02120131_TOPO_FUGMAN.dwg 5/10/2022 - 8:52:47 am
Plot By: dgarcia May 02, 2022 - 4:03pm

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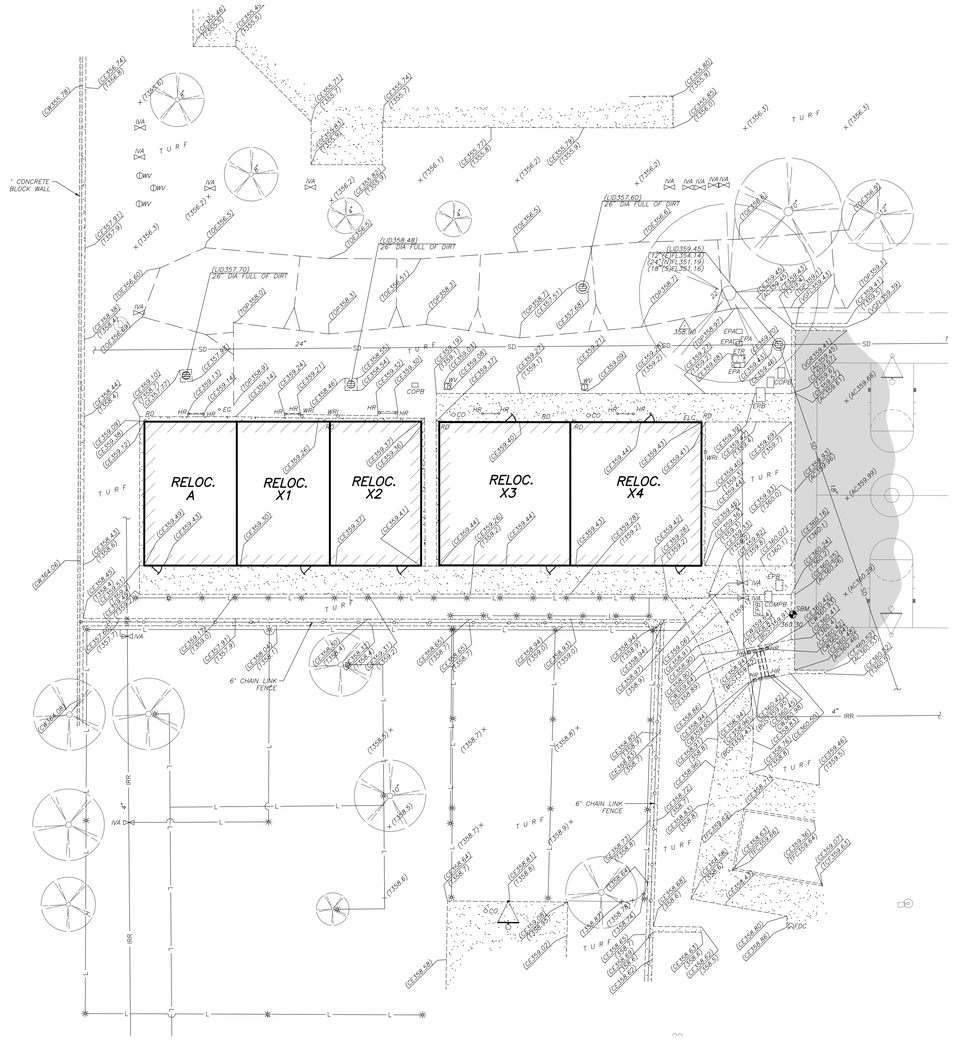

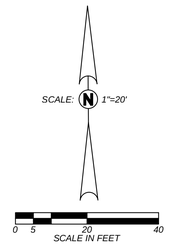

SURVEY NOTES:

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 PLAYCOURT CONCRETE MOWSTRIP APPROXIMATELY 29 +/- FEET SOUTHEASTERLY FROM THE SOUTHEAST CORNER OF RELOCATABLES X3 AND X4.

ELEV.= 360.30' NAVD88 DATUM

CAUTION
WATCH FOR OVERHEAD POWER LINES

811
Know what's below.
Call before you dig.

REGISTERED PROFESSIONAL ENGINEER
LANE R. BARTLETT
No. 47033
CIVIL
STATE OF CALIFORNIA
04/28/2022
Date Signed:

Blair, Church & Flynn
CONSULTING ENGINEERS

LICENSED PROFESSIONAL ENGINEER
WILLIAM M. BROOKS
No. S 6674
STRUCTURAL
STATE OF CALIFORNIA
04/28/2022
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CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
TOPOGRAPHIC SURVEY

CONST. DOCUMENTS

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

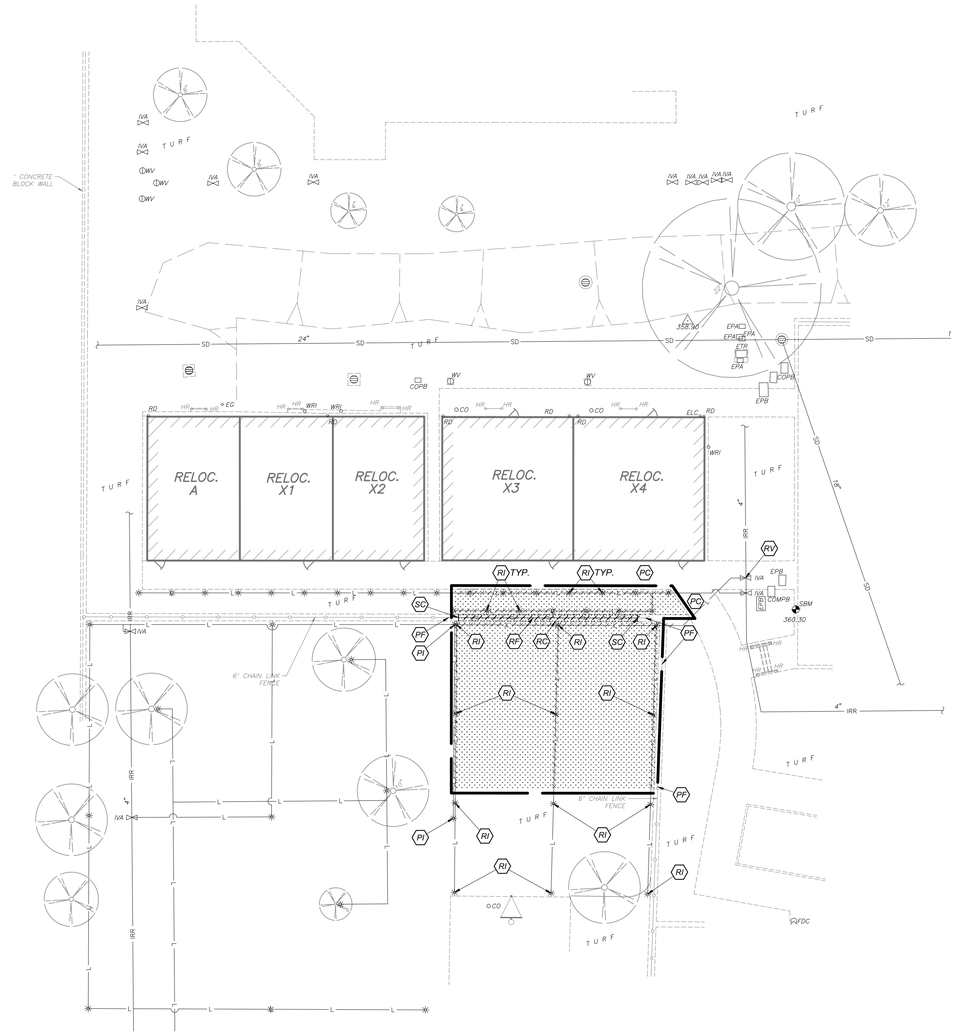
C104F

Drawing P:\2021\202105\Fugman\architectural\drawings\plot\202105_TSD_FUGMAN.dwg 11x17F - BCP.ctb
Plot by: dgross May 02, 2022 - 4:03pm

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

FOR DSA USE ONLY

DSA APP # 02-120131

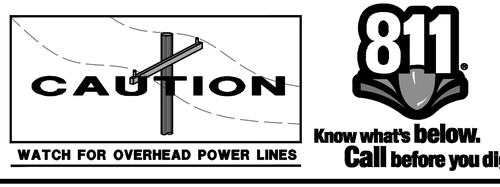


DEMOLITION LEGEND:

- 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 DEPTH
- LIMITS OF CONCRETE IMPROVEMENT REMOVAL
- (PC) PROTECT CONCRETE IMPROVEMENTS TO REMAIN
- (PF) PROTECT CHAIN LINK FENCE TO REMAIN
- (PI) PROTECT EXISTING IRRIGATION HEAD TO REMAIN
- (RC) REMOVE AND LAWFULLY DISPOSE OF CONCRETE IMPROVEMENTS
- (RF) REMOVE AND LAWFULLY DISPOSE OF CHAIN LINK FENCE FABRIC, POSTS AND FOOTINGS
- (RI) REMOVE AND SALVAGE EXISTING IRRIGATION HEAD AND RETURN TO DISTRICT
- (RV) REMOVE AND SALVAGE EXISTING IRRIGATION VALVE AND RETURN TO DISTRICT
- (SC) SAWCUT
- LIMIT OF CHAIN LINK FENCE REMOVAL
- 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.
2. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEMOLISHED MATERIALS OFF SITE.
3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY IMPROVEMENTS NOT SPECIFICALLY DESIGNATED FOR REMOVAL.
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.
5. 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.
6. ALL HAZARDOUS MATERIALS ENCOUNTERED DURING SITE DEMOLITION SHALL BE REMEDIATED AND DISPOSED OF PER STATE AND EPA REQUIREMENTS.
7. 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.



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

REGISTERED PROFESSIONAL ENGINEER
JAMES R. BACH
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04/28/2022
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LICENSED PROFESSIONAL ENGINEER
BRIAN M. BRUNA
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CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
DEMOLITION PLAN

CONST. DOCUMENTS

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

C201F

Drawing: P:\2021\02120131\Construction\Drawings\C201F_DEMOLITION.dwg C201F - ARCH.ctb
Plot By: dgilcrease May 02, 2022 - 4:02pm

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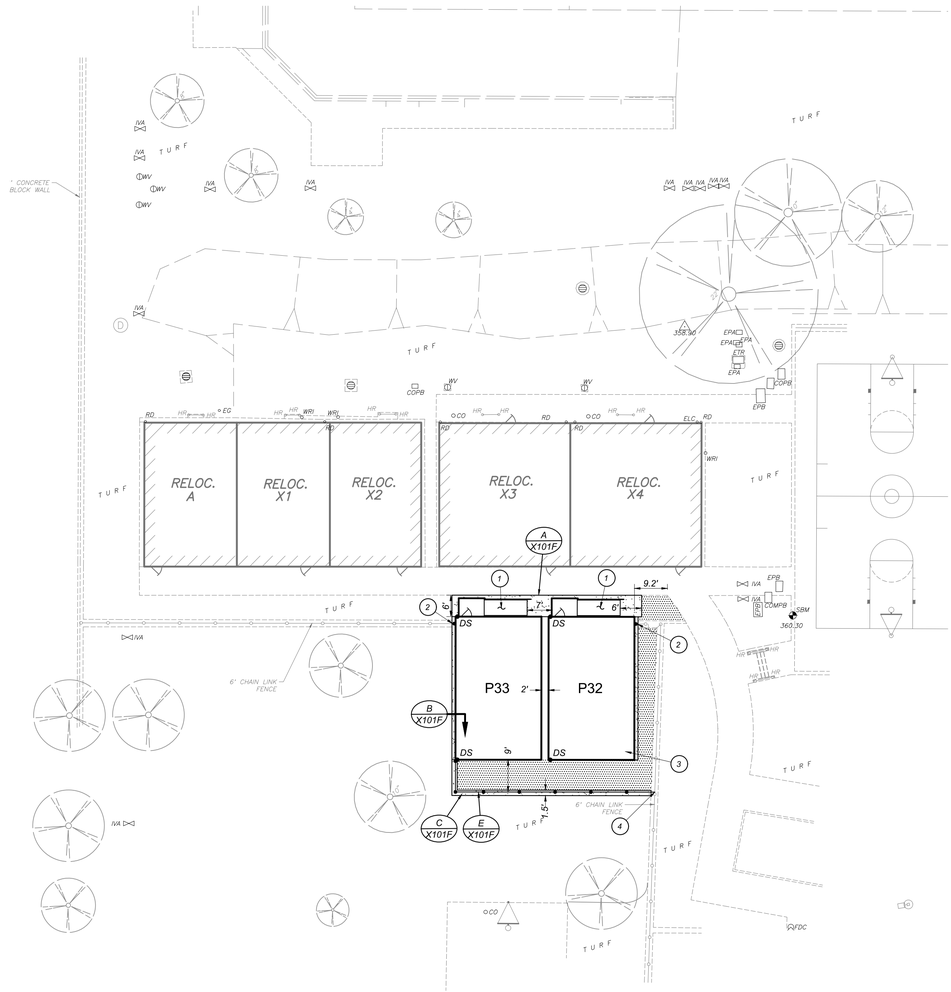


SITE LEGEND:

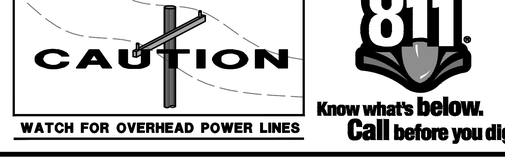
- LIMITS OF CONCRETE IMPROVEMENTS
- LIMITS OF DECOMPOSED CONCRETE IMPROVEMENTS PER DETAIL [F/X101F]
- •DS — DOWNSPOUT; SEE PORTABLE PLANS
- (1) — ACCESS RAMP; SEE PORTABLE PLANS
- (2) — CONNECT END POST TO EXISTING CHAIN LINK FENCE
- (3) — REFER TO DSA APP. NO. 04-119396 FOR FOOTING
- (4) — TIE NEW FENCE FABRIC TO EXISTING FENCE FABRIC

GENERAL SITE NOTES:

1. ALL CONCRETE MOWSTRIPS, RAMPS AND SIDEWALKS SHALL HAVE WEAKENED PLANE JOINTS AT 10 FEET MAXIMUM ON CENTER AND EXPANSION JOINTS AT 30 FEET MAXIMUM ON CENTER PER DETAIL [A/X101F].
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 ALERT (USA). CALL 1-800-642-2444
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 EXPENSE.

SCALE: N 1"=20'

0 5 20 40
SCALE IN FEET



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C301F

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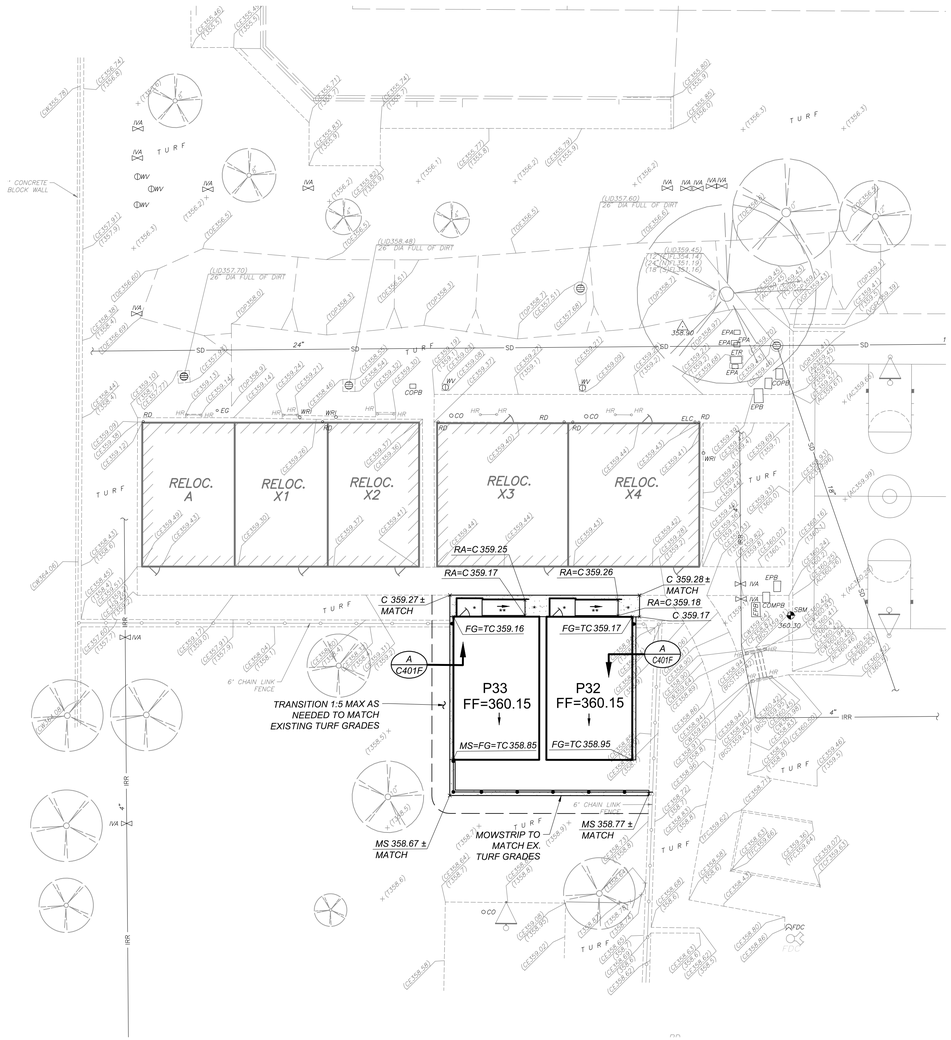

SCALE: N 1"=20'

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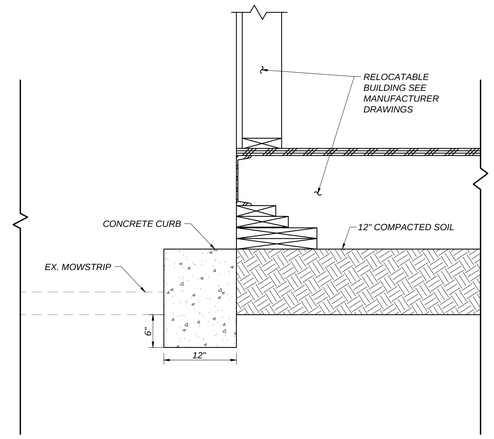
GRADING AND DRAINAGE LEGEND:

C	CONCRETE
FF	FINISHED FLOOR
MS	MOWSTRIP
RA	RAMP
RS	RAT SLAB
(344.9)	EXISTING ELEVATION
328.78	NEW FINISHED GRADE
→	DIRECTION OF SURFACE DRAINAGE
— — — —	GRADING LIMITS
*	LEVEL LANDING NOT TO EXCEED 2% SLOPE IN ANY DIRECTION
**	RAMP NOT TO EXCEED 8.33% IN LOGITUDINAL SLOPE NOR 2% IN CROSS-SLOPE



A
C401F
CROSS SECTION
NOT TO SCALE

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).*
2. *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 EXCEED 2%*
   b) *ACCESSIBLE PATH OF TRAVEL LONGITUDINAL SLOPES SHALL NOT EXCEED 5%*
   c) *RAMP LONGITUDINAL SLOPES SHALL NOT EXCEED 8.33%*
   d) *ACCESSIBLE 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%*
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.*
7. *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/X101F]. 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*

CAUTION
WATCH FOR OVERHEAD POWER LINES

811
Know what's below.
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GRADING AND DRAINAGE PLAN

CONST. DOCUMENTS

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CH. BY: LRB
DATE: 04/28/2022
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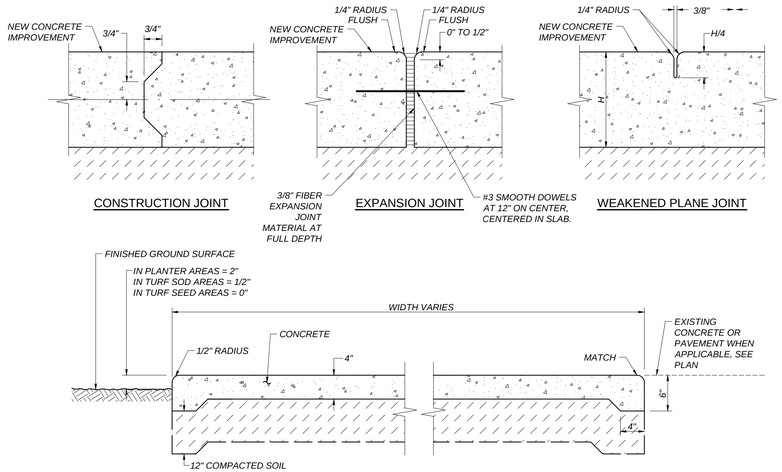
C401F

Drawing: P:\2021\021001\Engineering\Drawings\021001 ENG1_FUGMAN.dwg, d:\401F - BCF.ctb
Plot by: dpierce May 02, 2022 - 4:03pm



A X101F **REGULAR DUTY CONCRETE**

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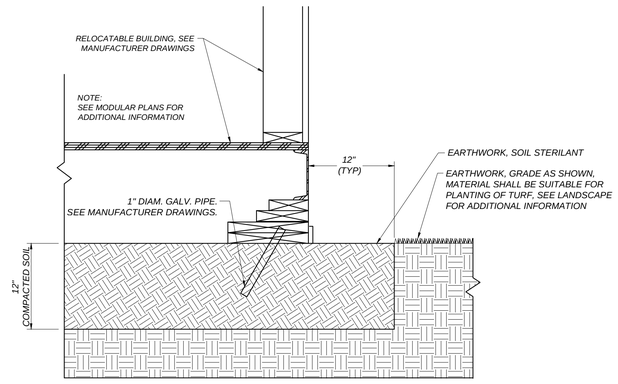

B X101F **PERIMETER PIER**

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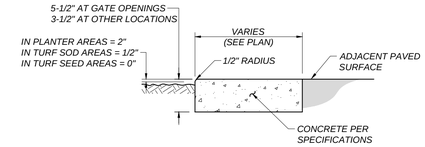

C X101F **CONCRETE MOWSTRIP**

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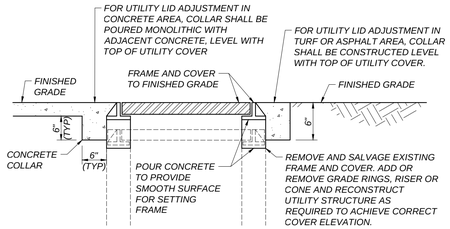
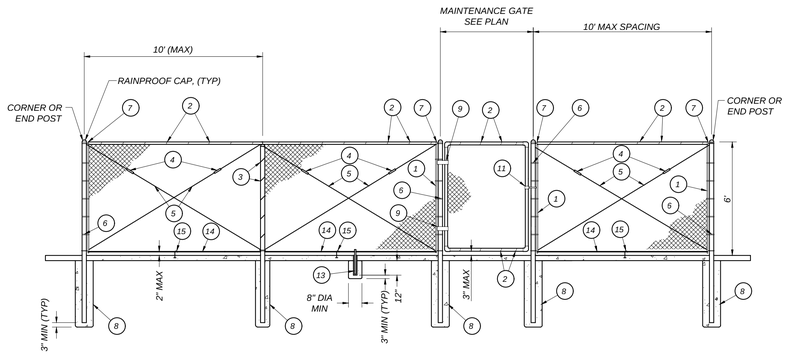


D X101F **ADJUST UTILITY LID**

NOT TO SCALE



FENCE AND GATE ELEVATIONS

OPEN FABRIC CHAIN LINK FENCE AND GATE LEGEND:

1. 1/8" X 3/4" GALVANIZED STEEL STRETCHER BAR.
2. 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.
3. 6 GAUGE (0.192" DIA) GALVANIZED STEEL POST CLIPS AT 14" MAXIMUM SPACING. MINIMUM 5 POST CLIPS FOR EACH 6' POST.
4. GALVANIZED ADJUSTABLE TURNBUCKLE FOR 3/8" DIAMETER TRUSS ROD.
5. 3/8" DIAMETER GALVANIZED STEEL ADJUSTABLE TRUSS ROD. TRUSS RODS REQUIRED FOR ALL GATE POST PANELS, END OR CORNER POST PANELS.
6. 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.
14. 7 GAUGE (0.180" DIA) GALVANIZED STEEL TENSION WIRE.
15. 3/8" x 6" GALVANIZED HOOK BOLT WITH NUT, EMBEDDED IN CONCRETE MOWSTRIP MIDWAY BETWEEN POSTS.

OPEN FABRIC CHAIN LINK FENCE AND GATE NOTES:

1. GATE FRAME SHALL BE 2" O.D. GALVANIZED STEEL (2.72 LB/FT).
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)
3. ALL FENCES ADJACENT TO ATHLETIC FIELDS, COURTS, BALLFIELDS, OR RUNNING TRACKS SHALL HAVE 1.66" O.D. BOTTOM RAILS INSTEAD OF TENSION WIRE
4. MATCH OWNER'S LOCKSET GATE HARDWARE AND KEYING SYSTEM FOR ALL KEYED GATES.
5. WALK GATE POST SIZE LIMITED TO 6 FOOT WIDTH OR LESS. SEE DRIVE GATE SIZING FOR LARGER LEAF WIDTHS.
6. DOUBLE TRUSS RODS ARE REQUIRED IN PANELS ADJACENT TO GATE POSTS AND AT ALL FENCE CORNERS AND END PANELS.
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.
9. 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

FENCE HEIGHT	END, ANGLE, CORNER POSTS			LINE POSTS			SINGLE LEAF MAN GATE POSTS			DOUBLE GATE POSTS			COMMENT
	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	POST DIAMETER	FOOTING DIAMETER	FOOTING DEPTH	
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"	1.66" O.D. TOP RAIL, SCHEDULE 40

E X101F **CHAIN LINK FENCE AND GATES**

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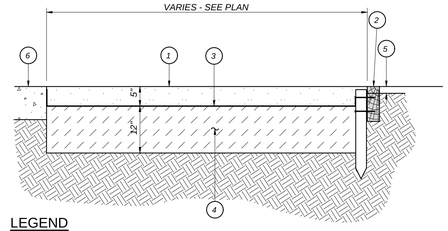

LEGEND

1. STABILIZED DECOMPOSED GRANITE SURFACE. SEE SPECIFICATIONS FOR MATERIALS AND METHODS. CONTRACTOR TO SUBMIT SAMPLE FOR APPROVAL.
2. COMPOSITE WOOD 2x4 HEADER WITH BEVELED JOINTS. SECURE WITH METAL STAKES AT 6' O.C. AND AT EACH SIDE OF JOINT OR CORNER.
3. NON-WOVEN GEOTEXTILE FABRIC, MINIMUM 4.0 OZ/SY. WRAP UP 1.5" HIGH ON ALL SIDES OF HEADER.
4. SUBGRADE. SCARIFY TO A DEPTH OF 12" MOISTURE CONDITION AND RECOMPACT TO 95% RELATIVE DENSITY.
5. FINISH GRADE IN PLANTING AREA SHALL BE 2" BELOW TOP OF HEADER FOR MULCH, 0.5" BELOW FOR TURF SOD, FLUSH FOR TURF SEED OR STOLONS.
6. ADJACENT PAVED SURFACE OR CURB. WHERE DG IS ADJACENT TO WALKABLE SURFACE, TOP OF DG IS TO BE LEVEL WITH PAVEMENT'S FINISH SURFACE.

F X101F **STABILIZED DECOMPOSED GRANITE SURFACE**

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER — LANE R. BAKER — No. 47003 — CIVIL — STATE OF CALIFORNIA

04/28/2022
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Blair, Church & Flynn
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LICENSED PROFESSIONAL ENGINEER — GRAHAM M. BRODIE — S 6674 — STRUCTURAL — STATE OF CALIFORNIA

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PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
DETAILS

CONST. DOCUMENTS

DR. BY: DG
CH. BY: LRB
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SCALE AS NOTED

X101F

Drawing: P:\22\22102.01\Drawings\Arch\Construction Documents\22102.01 X101F.dgn
Plot by: dgarcia May 02, 2022 - 4:02pm

POINT OF CONNECTION

WATER SERVICE SIZE/MAX FLOW: CONTRACTOR SHALL VERIFY

WATER METER SIZE/75% MAX FLOW: CONTRACTOR SHALL VERIFY

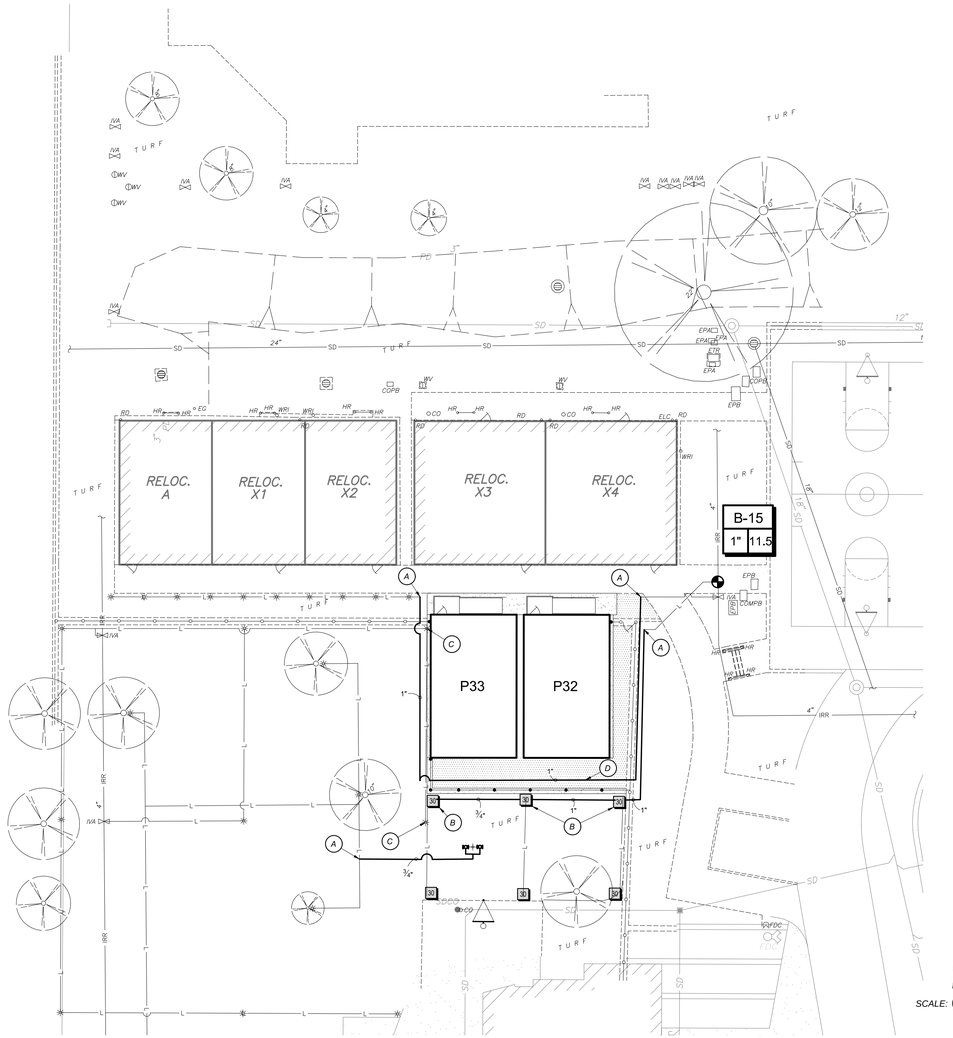
MAXIMUM STATION FLOW: 11.5 GPM

IRRIGATION BACKFLOW SIZE: 4"

IRRIGATION WATER SOURCE: CITY OF CLOVIS

MINIMUM EXISTING MINIMUM STATIC PRESSURE H/L: CONTRACTOR SHALL VERIFY. SEE IRRIGATION GENERAL NOTE #3

MINIMUM OPERATING PRESSURE: *30 PSI BUBBLERS*
45 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:

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	ARC	PSI	GPM	RADIUS	DETAIL
	RAIN BIRD RWS-B-C 1402		*30*	*0.50*		*I/L102F*

SYMBOL	MANUFACTURER/MODEL	PSI	GPM	RADIUS	DETAIL
50	*HUNTER I-20-04-SS-PRB-MPR 30*	*45*	*2.96*	*30'*	*H/L102F*

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	REMOTE CONTROL VALVE IRRITROL 100P-G	*G/L102F*
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 SOLVENT WELD, SIZE AS NOTED	*C/L102F*

- # — *VALVE NUMBER*
- #" # — *VALVE FLOW (GPM) / VALVE SIZE*
- \+ — *PROPOSED TREE, SEE PLANTING PLAN ON SHEET L201F FOR VARIETY AND SIZE*
- (A) — *CONNECT NEW LATERAL LINE TO EXISTING LATERAL LINE*
- (B) — *CONNECT NEW IRRIGATION HEAD TO EXISTING LATERAL LINE*
- (C) — *PROTECT HEADS FOR NEW HARDSCAPE. ADJUST HEADS/NOZZLES FOR NEW IMPROVEMENTS. SEE GENERAL IRRIGATION NOTE #17*
- (D) — *PIPE SHOWN OUTSIDE OF TURF AREA FOR CLARITY. INSTALL PIPE WITHIN THE SAME TRENCH AS THE IRRIGATION ROTORS.*

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.

DAVID W. BRILEY, RLA 2787

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 ENGINEER.*
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, ETC. 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.*
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 INSPECTOR.*
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).*
    - *C. NAMES, ADDRESSES AND PHONE NUMBERS OF LOCAL MANUFACTURER REPRESENTATIVES.*
    - *D. COMPLETE SET OF MANUFACTURER'S LITERATURE AND SPECIFICATIONS.*
    - *E. COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL MAJOR EQUIPMENT.*
    - *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 ENVELOPE.*
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.*

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APP: 02-120131 INC:
REVIEWED FOR
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DATE: 05/09/2022
FOR DSA USE ONLY

DSA APP # 02-120131

IRRIGATION SYSTEM OBSERVATION LOG

ITEM NO.	WORK ITEM DESCRIPTION	REVIEWED & ACCEPTED BY OWNER'S REP OR LAND ARCH		
		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 MAINTAINED ON THE AS-BUILT RECORD DRAWING SET.*
WORK ITEMS MAY NOT BE REVIEWED IF PRIOR WORK ITEMS HAVE NOT BEEN ACCEPTED.

SEE SHEET L102F FOR DETAILS AND MWELO CALCS

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

DAVID W. BRILEY LANDSCAPE ARCHITECT — STATE OF CALIFORNIA — Signature 12/31/23 Renewal Date — 4/28/22 Date

REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

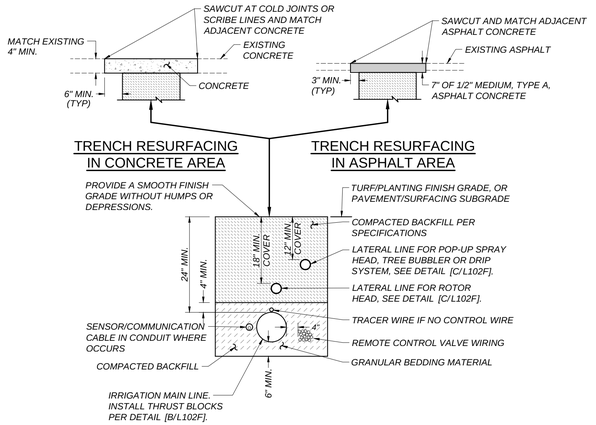
PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
IRRIGATION PLAN

CONST. DOCUMENTS

DR. BY: GB
CH. BY: DWB
DATE: 04/28/2022
SCALE AS NOTED

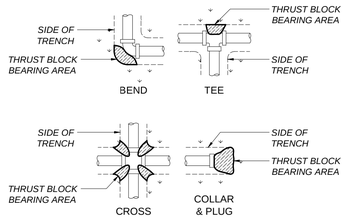
L101F

Drawing # 2021/2022\Drawing\Landscape\Drawings\220102_ABS1_FUGMAN.dwg L101F 5/6/22 4:03pm
Plot by: dgarcia May 02, 2022 - 4:03pm



A L102F — IRRIGATION TRENCH BACKFILL

NOT TO SCALE

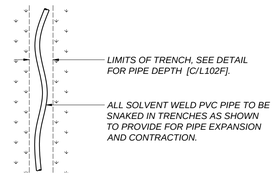


NOTE: CONCRETE PER SPECIFICATIONS. THRUST BLOCKS NOT REQUIRED WITH LESS THAN 2" MAIN LINE

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

B L102F — CONCRETE THRUST BLOCKS

NOT TO SCALE



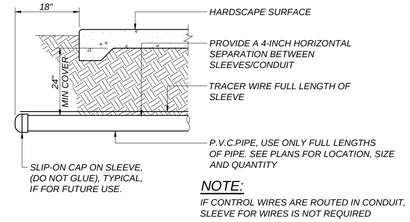
C L102F — SOLVENT WELD PIPE

NOT TO SCALE

CONDUIT/SLEEVE FOR CONTROL WIRE

CONDUIT/SLEEVE SIZE	QTY. 14 GA. WIRE
1"	8 OR LESS
1-1/4"	15
1-1/2"	20
2"	32
2-1/2"	45
3"	70
4"	120

NOTE: SLEEVE FOR PIPE IS 2X THE PIPE DIAMETER



NOTE:

IF CONTROL WIRES ARE ROUTED IN CONDUIT, SLEEVE FOR WIRES IS NOT REQUIRED

D L102F — IRRIGATION SLEEVE/CONDUIT

NOT TO SCALE

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DSA APP # 02-120131

WATER EFFICIENT LANDSCAPE WORKSHEET
Educational - DSA PR 15-03

Project: Portable Additions at Fugman Elementary School
Location: 10825 N Cedar Ave, Fresno, CA 93730
ETo Reference (MWELO-Apdx. A): Fresno

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

TOTAL NEW BUILDING FOOTPRINT	2,002	SF	(1,600 sf is threshold for inclusion)
75% OF BLDG. SF REQ'D LANDSCAPE	1,502	SF	
EXIST. IRRIGATION REMOVED FROM SERVICE	3,199	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	3,199	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	**19.5**	K Gallons	
TOTAL IN ACRE/FT	0.1		
TOTAL IN CCF	26.1		

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

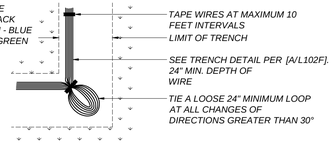
LANDSCAPE HYDROZONE TYPES	616	HA	PF	IE	ETAF
MIXED PLANTING (L)	0	SF	0.3	0.81	0.37
MIXED PLANTING (M)	0	SF	0.5	0.81	0.62
WARM-SEASON TURFGRASS (MH)	0	SF	0.6	0.75	0.80
SLA - RECREATIONAL/RECYCED WATER USE	616	SF	0.6	0.75	0.80
	AVERAGE REGULAR ETAF:				0.15
	MAXIMUM AVERAGE REGULAR ETAF:				**0.65**

ETWU=(ETo) x (0.62)x [(HA x PF/IE) + SLA]	ANNUAL		typical IE coeficients
MIXED PLANTING (L)	0.0		0.75 overhead sprinklers
MIXED PLANTING (M)	0.0		0.81 drip & bubblers
WARM-SEASON TURFGRASS (M)	0.0		
SLA - RECREATIONAL/RECYCED WATER USE	15.6		
ESTIMATED TOTAL WATER USE	**15.6**	K Gallons	
TOTAL IN ACRE/FT	0.0		
TOTAL IN CCF	20.9		

ETWU AS A PERCENT OF MAWA: 80%

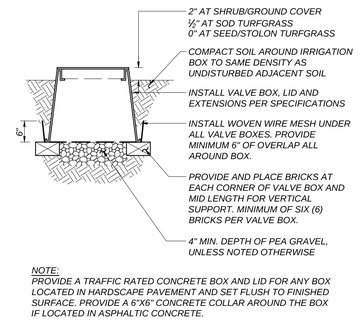
P:\222-0163_Documents\Calculations\Fugman ES\222163-WaterUseCalcs_Fugman.xlsx 4/12/2022

NOTES:
1. *WIRES UNDER PAVEMENT OR WALKS SHALL BE INSTALLED WITHIN A CONDUIT WHICH HAS BEEN PLACED BY BORING, JACKING OR DRILLING. CONDUIT TO BE PVC SCH 40 TYPE II PIPE. WIRES SHALL NOT BE TAPED TOGETHER INSIDE THE CONDUIT.*
2. *NO SPLICES ARE ALLOWED BETWEEN POINTS OF CONNECTIONS.*
3. *A VALVE BOX MUST BE PROVIDED AT ALL UNDERGROUND SPLICE CONNECTIONS.*
4. *HOT - RED*
   COMMON - WHITE
   SPARE HOT - BLACK
   SPARE COMMON - BLUE
   TRACER WIRE - GREEN



E L102F — IRRIGATION WIRE

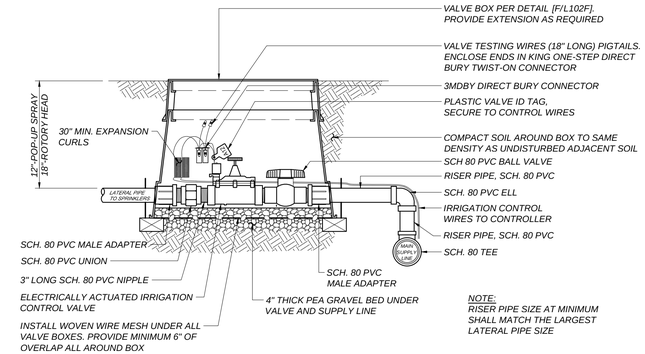
NOT TO SCALE



NOTE:
PROVIDE A TRAFFIC RATED CONCRETE BOX AND LID FOR ANY BOX LOCATED IN HARDSCAPE PAVEMENT AND SET FLUSH TO FINISHED SURFACE. PROVIDE A 6"X6" CONCRETE COLLAR AROUND THE BOX IF LOCATED IN ASPHALTIC CONCRETE.

F L102F — IRRIGATION VALVE BOX

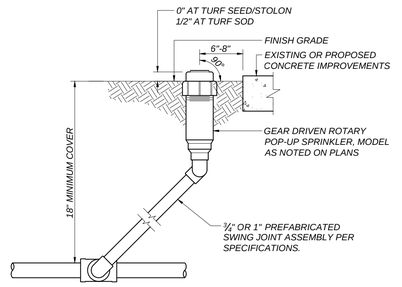
NOT TO SCALE



NOTE:
RISER PIPE SIZE AT MINIMUM SHALL MATCH THE LARGEST LATERAL PIPE SIZE

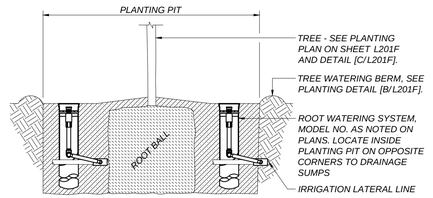
G L102F — REMOTE CONTROL VALVE WITH BALL VALVE - GLOBE

NOT TO SCALE



H L102F — POP-UP ROTOR

NOT TO SCALE



I L102F — ROOT WATERING SYSTEM

NOT TO SCALE

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

Blair, Church & Flynn CONSULTING ENGINEERS

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Clovis, California 93612
Tel (559) 326-1400
Fax (559) 326-1500

REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
IRRIGATION DETAILS

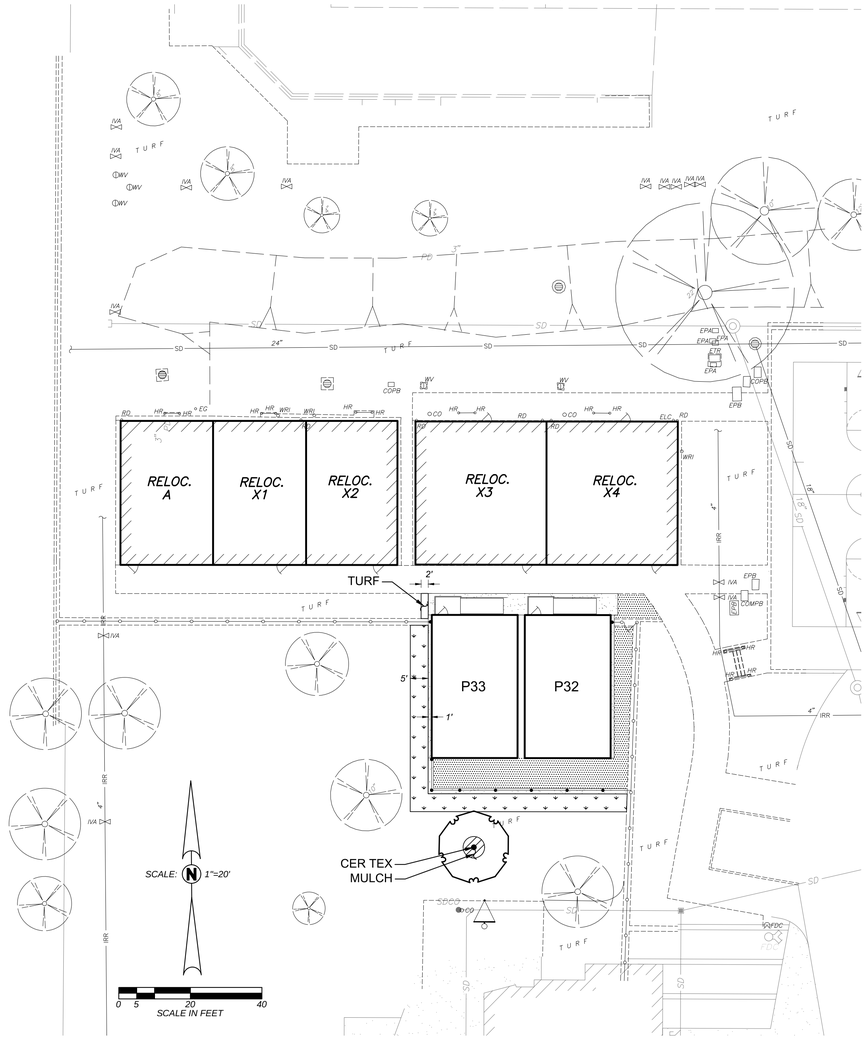
CONST. DOCUMENTS
DR. BY: GB
CH. BY: DWB
DATE: 04/28/2022
SCALE AS NOTED

L102F

Drawing: P:\222-0163_Documents\Drawings\222163_PADSA\Fdwg L102F - DET.dwg
Plot by: dpoore May 02, 2022 - 4:02pm

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:*
   - *A. BELMONT NURSERY - (559) 255-6645*
   - *B. H & E NURSERY - (559) 297-0599*
   - *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 PLANTING OPERATIONS.*
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 BEST (559-260-4316).*



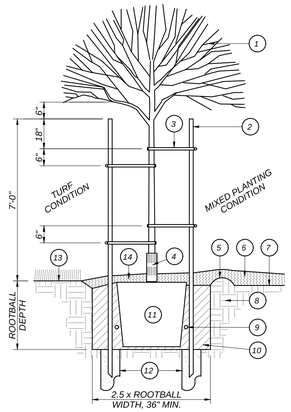
PLANT LEGEND:

SUNSET CLIMATE ZONE: 9

TREES	CODE	BOTANICAL / COMMON NAME	CONT	WATER USE	QTY	DETAIL	REMARKS
	CER TEX	CERCIS CANADENSIS TEXENSIS 'OKLAHOMA' OKLAHOMA REDBUD	15 GAL	M	1	A/L201F	DECIDUOUS STANDARD FORM. 15-20' H X 15-20' W
GROUND COVERS	**CODE**	**BOTANICAL / COMMON NAME**	**CONT**	**WATER USE**	**QTY**	**DETAIL**	**REMARKS**
	TURF	CYNODON DACTYLON X TRANSVAALENSIS 'TIFWAY 419' TIFWAY 419 BERMUDA GRASS	SOD	H	552 SF	B/L201F	
	MULCH	WALK-ON WOOD MULCH	N/A	N/A	28 SF	A/L201F	SEE NOTE 18

PLANTING NOTES:

1. *IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF IT IS OBVIOUS THAT OBSTRUCTIONS OR STRUCTURES, IRRIGATION SYSTEM MALFUNCTION, EXISTING TREES OR PLANTS, GRADE DIFFERENCES OR CHANGES IN THE SITE PLAN ARE PRESENT THAT WILL IMPACT THE PLANTING DESIGN. FAILURE TO GIVE SUCH NOTIFICATION SHALL PLACE THE RESPONSIBILITY ON THE CONTRACTOR FOR ANY REVISIONS OR REPLACEMENTS NECESSARY FOR CORRECTION.*
2. *ANY EXISTING PLANTING SHOWN ON THE PLAN IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY THE EXISTING PLANTING AT THE SITE PRIOR TO STARTING WORK. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL PROTECT 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 OR DAMAGE, SHALL BE WELL ESTABLISHED IN THEIR CONTAINERS WITHOUT GIRDLING ROOTS OR EXCESSIVE TOP GROWTH, AND SHALL COMPLY WITH THE REQUIREMENTS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1).*
4. *NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF IRRIGATION COMPONENTS AND TREE AND/OR SHRUB PLANTING FOR APPROVAL OF THE PLANT LAYOUT AND PLANT QUALITY. PLANT LOCATIONS SHALL AVOID CONFLICTS WITH 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 IRRIGATION COMPONENTS, PLANTED TREES AND/OR SHRUBS.*
5. *PLANT QUANTITIES ARE PROVIDED FOR BIDDING CONVENIENCE ONLY. THE CONTRACTOR SHALL PROVIDE SUFFICIENT QUANTITIES OF PLANTS EQUAL TO THE SYMBOL COUNT OR TO FILL THE AREA SHOWN ON THE PLAN AT THE SPECIFIED TRIANGULAR SPACING.*
6. *WHERE GROUND COVER PLANTS ARE SHOWN AT A SPECIFIED SPACING, THE GROUND COVER PLANTING CONTINUES UNDERNEATH THE TALLER SHRUBS AND TREES AS SHOWN IN THE PLANTING DETAILS. DO NOT PLANT GROUND COVER IN SHRUB OR TREE WATERING BASINS.*
7. *ALL NEW TREES LOCATED WITHIN 8 FEET OF PAVEMENT OR STRUCTURES SHALL HAVE A ROOT CONTROL BARRIER INSTALLED WHEN PLANTED. UNLESS OTHERWISE SPECIFIED, INSTALL A 12 FOOT LONG X 24 INCH DEEP LINEAR POLYETHYLENE BARRIER VESPRO OR EQUAL AT THE EDGE OF PAVEMENT/STRUCTURE, CENTERED ON THE TREE TRUNK AS SHOWN IN THE PLANTING DETAILS.*
8. *REMOVE NURSERY STAKES FROM TREES AFTER TREE STAKING OR GUYING AS SHOWN IN THE DETAILS.*
9. *INSTALL PERFORATED POLYETHYLENE TREE TRUNK PROTECTORS FOR ALL NEW 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 BY THE LANDSCAPE ARCHITECT. TREES HEADED BACK WITHOUT INTACT SCAFFOLDING BRANCH STRUCTURE OR IN ROOT-BOUND CONTAINERS SHALL BE REJECTED.*
11. *SUBMIT REPRESENTATIVE SOIL SAMPLES OF NATIVE AND PROPOSED IMPORT, IF NEEDED, PLANTING TOPSOIL TO A SOIL LAB FOR HORTICULTURAL ANALYSES AND FERTILITY RECOMMENDATIONS. AMEND SOIL ACCORDING TO THE RECOMMENDATIONS OF THE SOILS REPORT AND LANDSCAPE ARCHITECT'S DIRECTION. SEE THE LANDSCAPE PLANTING SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS.*
12. *PROVIDE SANDY LOAM TOPSOIL PER SPECIFICATION IN ALL RAISED PLANTERS AND WHERE IMPORT TOPSOIL IS REQUIRED. NATIVE SITE SOIL MAY BE USED IN RAISED PLANTERS ONLY WHEN THE NATIVE SITE SOIL MEETS THE CRITERIA FOR SANDY LOAM TOPSOIL AS DETERMINED BY A SOIL ANALYSIS.*
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 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 PLANTING SPECIFICATIONS. COMPOST RATE SHALL BE A MINIMUM OF FOUR (4) CUBIC YARDS PER 1,000 SQUARE FEET.*
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 COLLARS. RELATIVE DENSITY OF THE TOPSOIL SHALL NOT EXCEED 85% COMPACTION.*
15. *OBTAIN THE APPROVAL OF THE OWNER'S REPRESENTATIVE TO BEGIN PLANTING OPERATIONS ONCE THE IRRIGATION SYSTEM IS OPERATIONAL AND THE SOIL CONDITIONING AND FINISH GRADING IS COMPLETED.*
16. *AFTER PLANTING IS COMPLETED AND JUST PRIOR TO MULCH INSTALLATION, APPLY A BROAD SPECTRUM PRE-EMERGENT HERBICIDE TO ALL NON-TURFGRASS PLANTING AREAS PER THE MANUFACTURER'S SPECIFICATIONS.*
17. *WHERE MULCH IS TO BE INSTALLED IN AN EXISTING PLANTING AREA, BREAKUP/TILL THE EXISTING SOIL TO A MINIMUM 6 INCH DEPTH PER SPECS, AND ADJUST FINISH GRADE ADJACENT TO HARDSCAPE AND DRAINAGE ELEMENTS TO PROVIDE A 2 INCH 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 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 BASE OF ALL TREES IN NEW TURFGRASS AREAS.*
19. *ALL EXISTING PLANTS AND/OR TURFGRASS SHOWN TO REMAIN AND DAMAGED OR 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 AREA OF REPAIR/REPLACEMENT AS IF FOR NEW WORK. ADJUST FINISH GRADE SO NEW TURFGRASS SOD ABUTS FLUSH TO EXISTING SOD GRADE. THE REPLACEMENT PLANTS AND/OR TURFGRASS SOD SHALL BE MAINTAINED AS PART OF THE ORIGINAL SCOPE OF WORK. THE REPAIR OR REPLACEMENT WORK SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE.*
20. *CONTRACTOR SHALL MAINTAIN THE NEW PLANTING FOR HEALTHY AND VIGOROUS GROWTH, WHICH INCLUDES BUT IS NOT LIMITED TO WATERING, WEEDING, FERTILIZING, MOWING AND EDGING (AT LEAST ONCE A WEEK), REMOVING TRASH AND DEBRIS, AND OTHER RELATED ACTIVITIES THROUGHOUT THE DURATION OF THE MAINTENANCE PERIOD UNTIL FINAL ACCEPTANCE.*



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.*

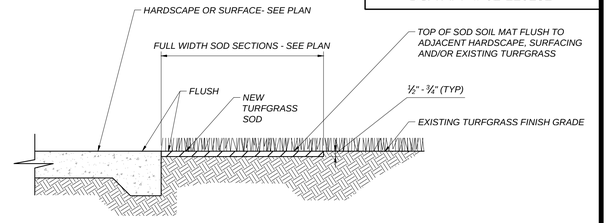
B. *THE SUMP HOLE SHALL BE DRILLED TO MINIMUM DEPTH OF TEN (10) FEET, UNLESS VISUAL EVIDENCE OF A SUBSURFACE SAND AND/OR GRAVEL DRAINAGE STRATUM IS APPARENT AT A LESSER DEPTH. THE SUMP HOLES SHALL EXTEND INTO THE DRAINAGE STRATUM A MINIMUM OF ONE (1) FOOT.*

A / L201F — DOUBLE STAKE TREE PLANTING

NOT TO SCALE

LEGEND:

1. *TREE PER PLANTING PLAN.*
2. *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.*
3. *FLEXIBLE VINYL TREE TIE, 4 / TREE (V.I.T. OR APPROVED EQUAL.)*
4. *TREE TRUNK PROTECTOR (GRAY) WHERE TREE IS IN TURF AREA.*
5. *4" HIGH WATERING BERM.*
6. *ADJACENT PLANTING AREA WITH MULCH WHERE OCCURS.*
7. *FINISH GRADE.*
8. *SITE SOIL.*
9. *PLANT FERTILIZER TABLET. SEE SPECIFICATIONS.*
10. *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.*
13. *ADJACENT TURFGRASS PLANTING WHERE OCCURS.*
14. *MULCH, MINIMUM 3" DEPTH. SEE GENERAL PLANTING NOTE 17.*



NOTE:

IF THE EXISTING TURFGRASS FINISH GRADE IS HIGHER OR LOWER THAN THE NEW FINISH SURFACE, TRANSITION GRADE THE NEW SOD AT A MAXIMUM 1V:12H SLOPE

B / L201F — TURF SOD INSTALLATION

NOT TO SCALE

LANSCAPE PLANTING AREA REQUIREMENT:

NEW BUILDING FOOTPRINT:	*2,002 SF (A)*
*REQUIRED MWELO COMPLIANT PLANTING (A*0.75):*	*1,502 SF (B)*
EXISTING IRRIGATION AREA SCHEDULED FOR REMOVAL:	*3,199 SF (C)*
AREA OF EXISTING LANDSCAPE BEING REHABILITATED:	*0 SF (D)*
TOTAL MWELO COMPLIANT PLANTING CREDIT (C+D):	*3,199 SF (E)*
EXCESS / (DEFICIT) OF PROPOSED COMPLIANT PLANTING (E-B):	*1,697 SF*

CONTRACTOR SPECIAL PLANTING NOTES:

1. *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.*
2. *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 PLAN.

DAVID W. BRILEY, RLA 2787

SEE SHEET L102F FOR MWELO CALCS

TREE SIZE AND QUALITY STANDARDS

AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1) AND GUIDELINE SPECIFICATIONS FOR NURSERY TREE QUALITY (URBAN TREE FOUNDATION) SHALL APPLY

	TYPES 1 & 2 SHADE TREES			TYPE 3 SMALL UPRIGHT TREES**			TYPE 4 SMALL SPREADING TREES***		
CONTAINER SIZE	MIN. CALIPER	MAX. CALIPER	TYPE 1 MIN./MAX. HEIGHT*	MIN. CALIPER	MAX. CALIPER	MIN./MAX. HEIGHT	MIN. CALIPER	MAX. CALIPER	MIN./MAX. HEIGHT
15 GALLON	0.75	2.0	7-10 FT	0.75	2.0	6-8 FT	0.75	2.0	4-8 FT
24" BOX	1.25	3.0	8-12 FT	1.25	3.0	8-10 FT	1.25	3.0	6-10 FT
36" BOX	1.75	3.5	10-16 FT	1.75	3.5	10-14 FT	1.75	3.5	7-12 FT
42" BOX	2.0	4.0	12-20 FT	2.0	4.0	12-18 FT	2.0	4.0	8-14 FT
48" BOX	2.5	5.0	14-26 FT	2.5	5.0	14-22 FT	2.5	5.0	9-16 FT

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

*** TYPE 3 TREES SHALL HAVE A MINIMUM OF SEVEN BRANCHES*

**** TYPE 4 TREES SHALL HAVE A MINIMUM OF EIGHT BRANCHES*

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"

TREES SHALL HAVE A CENTRAL LEADER. NEW LEADERS LESS THAN HALF THE DIAMETER OF A HEADED LEADER, BROKEN OR CO-DOMINATE LEADERS ARE NOT ACCEPTABLE

SCAFFOLD BRANCHES SHALL BE LESS THAN 2/3 THE DIAMETER OF THE TRUNK, WITHOUT INCLUDED BARK AT ATTACHMENT. SCAFFOLD BRANCHES SHALL BE BALANCED, WELL SPACED VERTICALLY, AND WITH A RADIALLY BLANK SECTOR NO GREATER THAN 1/3 OF THE CANOPY CIRCUMFERENCE.

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% OF THE TOTAL TREE HEIGHT.

THE ROOT COLLAR AND ROOTBALL SHALL BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED AND GIRDLING ROOTS. ROOTS THE EDGE AND BOTTOM OF THE CONTAINER SHALL BE LESS THAN 1/4 INCH DIAMETER, AND UNIFORM THROUGHOUT THE CONTAINER.

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

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

LANDSCAPE PLANTING OBSERVATION LOG

		REVIEWED & ACCEPTED BY OWNER'S REP OR LAND ARCH		
ITEM NO.	WORK ITEM DESCRIPTION	PRINT NAME	SIGNATURE	DATE
PL-1	REPORT & PROTECTION OF EXISTING TREES	N/A	N/A	
PL-2	RIPPING OF PLANTING AREAS			
PL-3	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	N/A	N/A	
PL-8	WOOD MULCH DEPTH			

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.

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

FOR DSA USE ONLY

DSA APP # 02-120131

Blair, Church & Flynn CONSULTING ENGINEERS

LANDSCAPE ARCHITECT — BRILEY NO. 2787 — Renewal Date 12/31/22 — Signature 4/28/22 Date — STATE OF CALIFORNIA

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

REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
PLANTING PLAN

CONST. DOCUMENTS

DR. BY: GB
CH. BY: DWB
DATE: 04/28/2022
SCALE AS NOTED

L201F

Drawing: P:\2021\2021120\Drawings\Construction Documents\L201F.PLNTG PLAN.dwg May 02, 2022 - 2:40pm
Plot by: bjackson

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:

1. 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 EXISTING CONDUITS.
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.
6. 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 CODES.
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 110.2.
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.
19. 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 ARCHITECT.
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 SIZE.
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 SINGLE AREA LUMINAIRE	
	POLE WITH DOUBLE AREA LUMINAIRES	
	LAY-IN LIGHT FIXTURE	
	SURFACE CEILING LIGHT	
	RECESSED DOWN LIGHT	
	WALL LIGHT	
SB	SWITCHBOARD	REFER TO POWER SINGLE LINE DIAGRAM
PP	POWER PANEL	REFER TO POWER SINGLE LINE DIAGRAM
TC	TERMINAL CABINET	REFER TO DETAIL 4/E102
J	JUNCTION BOX	4-11/16" SQUARE BOX & COVER PLATE MIN.
	DISCONNECT SWITCH, FUSIBLE, WP	DISCONNECT FUSING TO BE PER NAMEPLATE DATA.
M	MOTOR	REFER TO MECH. PLANS & SPECS.
	DUPLEX CONVENIENCE OUTLET AT +18" AFF TO CENTER OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED
	QUADPLEX CONVENIENCE OUTLET AT +18" AFF TO CENTER OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED
	GFI DUPLEX OUTLET AT +18" AFF TO CENTER OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED
	WP, GFI DUPLEX OUTLET AT +18" AFF TO CENTER OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED
	DATA OUTLET (RJ45 CAT6) WITH (2) JACKS AT +18" AFF TO CENTER OF BOX, U.O.N. (2) BLUE JACKS & CABLES	HOMERUN CABLES TO IDF.
WAP-C	(2) WAP DATA JACKS (RJ45 CAT6A) MOUNTED IN ATTIC SPACE (2) YELLOW JACKS & CABLE	HOMERUN CABLES TO IDF. SEE DETAIL 7/E102
	VoIP TELEPHONE OUTLET (RJ45 CAT6) AT +45" AFF TO CENTER OF BOX, U.O.N. (1) WHITE JACK & CABLE	HOMERUN CABLES TO IDF
	DATA/COMM OUTLET (RJ45 CAT6) AT +18" AFF TO CENTER OF BOX, U.O.N. (2) BLUE AND (1) WHITE JACKS & CABLES	HOMERUN CABLES TO IDF
S	WALL MOUNT IP PA SPEAKER IN SURFACE ENCLOSURE	MATCH EXISTING SYSTEM COMPONENTS
C	WALL CLOCK, BATTERY POWERED	VERIFY COMPATIBILITY WITH EXISTING SYSTEM
AV	AUDIO/VISUAL INPUT WITH (2) HDMI, (1) USB, & (1) 3.5MM AUDIO JACKS AND WALL PLATE AT +18" AFF TO CENTER OF BOX, U.O.N.	INSTALL CABLING BETWEEN TEACHER STATION AND PROJECTOR. SEE DETAIL 4/E103.
MDF	MAIN DISTRIBUTION FRAME (MDF)	SEE CUSD STANDARD SPECIFICATIONS
IDF	INTERMEDIATE DISTRIBUTION FRAME (IDF)	SEE CUSD STANDARD SPECIFICATIONS
PA	P.A. SYSTEM HEAD END	SEE CUSD STANDARD SPECIFICATIONS
PT	P.A. SYSTEM TERMINAL BLOCK	SEE CUSD STANDARD SPECIFICATIONS
TEL	TEL. SYSTEM HEAD END	WHERE EXISTING
TT	TEL. SYSTEM TERMINAL BLOCK	WHERE EXISTING
FOS	FIBER OPTIC SPLICE LOCATION	SEE CUSD STANDARD SPECIFICATIONS
CP	CAT6 PATCH PANEL	SEE CUSD STANDARD SPECIFICATIONS
FCP	FIRE ALARM CONTROL PANEL	SEE FIRE ALARM PLANS
EXP	FIRE ALARM EXPANDER PANEL	SEE FIRE ALARM PLANS
EVAC	EMERGENCY VOICE/ALARM COMMUNICATION PANEL	SEE FIRE ALARM PLANS
FAT	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	
	WIRING BELOW GRADE	REFER TO DETAIL 6/E102. 1"C. CONDUIT MIN.
	WIRING IN WALL OR CEILING	3/4" CONDUIT MIN.
LV	LOW VOLTAGE WIRING	
	CONDUIT RISER	3/4" CONDUIT MIN.
	FLEXIBLE CONDUIT	3/4" CONDUIT MIN.
3	CONDUIT STUB AND CAP	3/4" CONDUIT MIN.
#10	HASH MARKS DENOTES QTY. OF CONDUCTORS WIRE SIZE INDICATED, IF OTHER THAN #12 AWG	3/4" CONDUIT MIN.
A–2	HOME RUN (TO PANEL "A", CIRCUIT "15")	3/4" CONDUIT MIN.
(E)	"EXISTING"	
(N)	"NEW"	
UON	"UNLESS OTHERWISE NOTED"	
WP	"WEATHERPROOF" / NEMA 3R	
GFI	"GROUND FAULT INTERRUPTER"	

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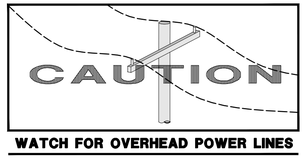

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REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
ELECTRICAL NOTES

CONST. DOCUMENTS

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DATE: 04/21/2022
SCALE AS NOTED

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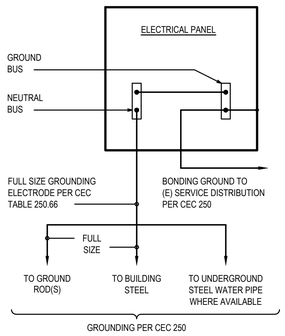
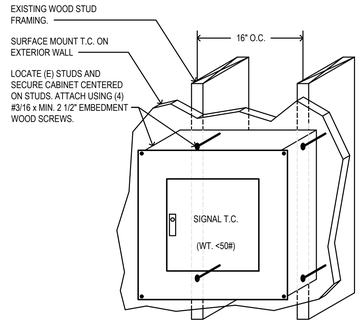


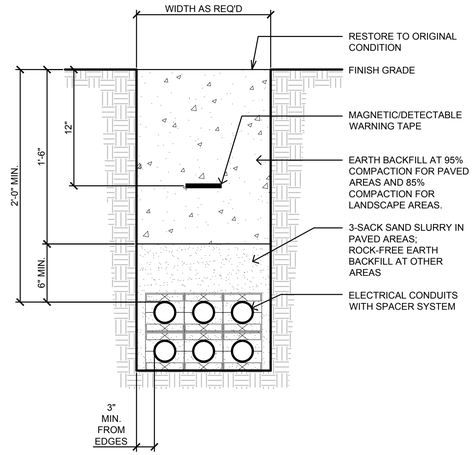
PANEL GROUNDING DETAIL 1

NO SCALE



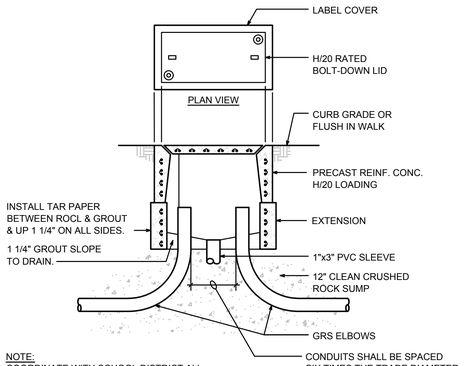
TERMINAL CABINET MOUNTING DETAIL 4

NO SCALE



TRENCHING DETAIL 6

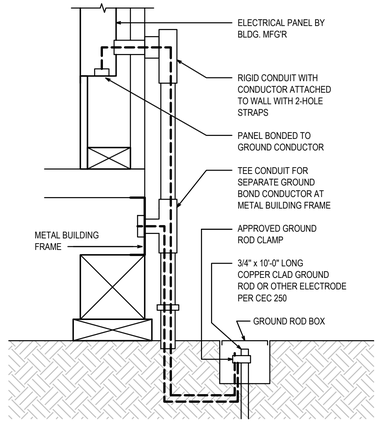
NO SCALE



NOTE:
COORDINATE WITH SCHOOL DISTRICT ALL LOCATIONS AT UNDERGROUND PULL BOXES PRIOR TO INSTALLATION.

PULLBOX DETAIL 8

NO SCALE

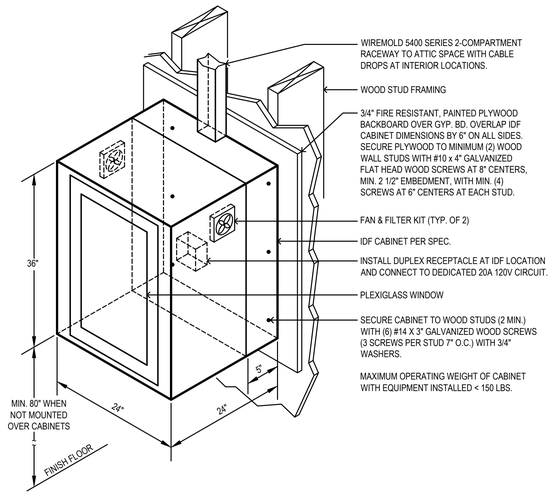


NOTES:

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.

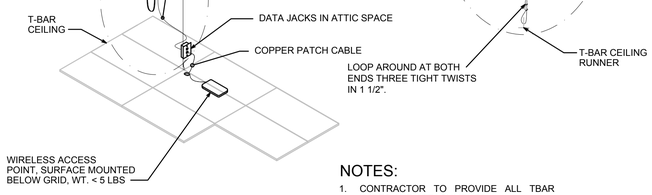
GROUND ROD / WELL DETAIL 2

NO SCALE



IDF CABINET MOUNTING DETAIL 5

NO SCALE

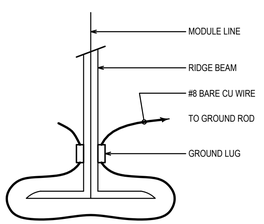


NOTES:

1. CONTRACTOR TO PROVIDE ALL TBAR WIRES AND ATTACHMENTS.
2. PROVIDE STRUCTURED CABLING AS SPECIFIED.
3. REPLACE ANY BROKEN TILES. ALERT OWNER TO ANY DAMAGE PRIOR TO INSTALLATION.

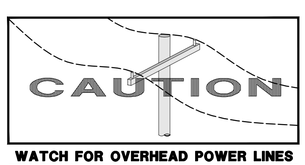
DATA OUTLET AT T-BAR CEILING DETAIL 7

NO SCALE



MODULE BONDING DETAIL 3

NO SCALE



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FUGMAN ELEMENTARY SCHOOL
ELECTRICAL DETAILS

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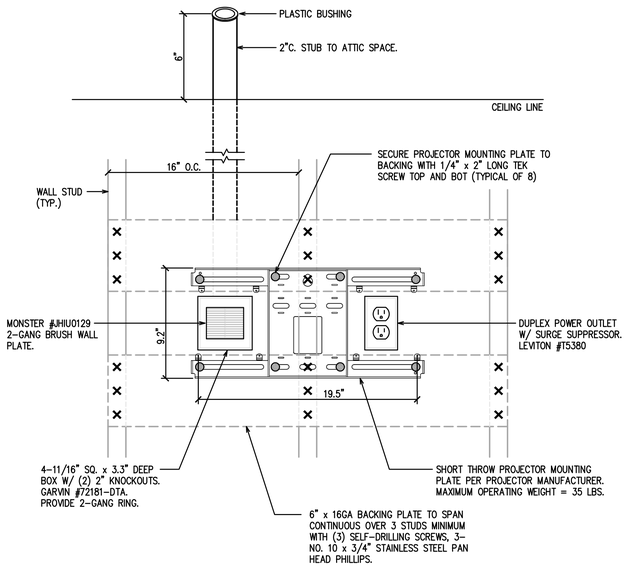
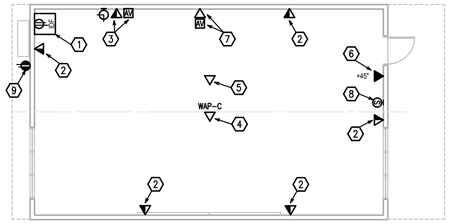


WALL PROJECTOR MOUNTING DETAIL 1

NO SCALE



GENERAL NOTES

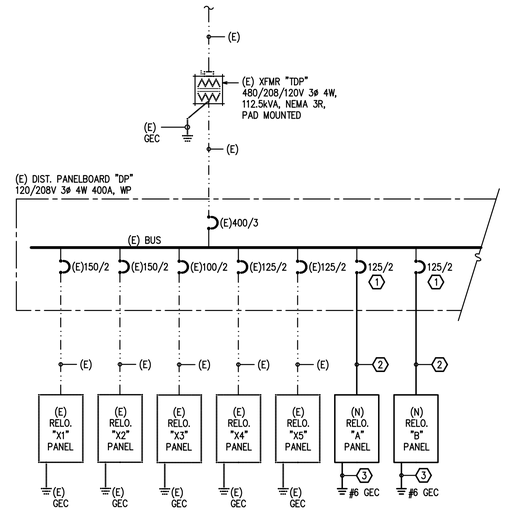
1. ALL WORK SHALL BE IN ACCORDANCE WITH CUSD SPECIFICATIONS. PROVIDE COMPLETE AND OPERATIONAL SYSTEMS. ANY DISCREPANCIES MUST BE ADDRESSED BY RFI PRIOR TO BID.
2. NOTIFY ENGINEER OF ANY CONDITIONS THAT MAY PREVENT INSTALLATION AS SHOWN IN THIS DRAWING.
3. CUSD REQUIRES CONCEALED RACEWAYS AND FLUSH INSTALLATION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

RELO BUILDING KEY NOTES ⬡

1. 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 CIRCUIT.
2. PROVIDE INDICATED JACKS AT PRE-INSTALLED BOX BY BLDG. MFG'R AND CONNECT TO IDF.
3. PROVIDE INDICATED JACKS FOR TEACHER STATION ON SAME WALL AS DOOR, OPPOSITE SIDE OF ROOM.
4. PROVIDE INDICATED JACKS FOR WIRLESS ACCESS POINT. INSTALL PER DETAIL 7/E102.
5. PROVIDE INDICATED JACKS FOR FUTURE CEILING PROJECTOR. COIL UP 6 FT. EXTRA CABLE WITH JACK ATTACHED AND SECURE IN ATTIC SPACE.
6. PROVIDE WALL MOUNTED VOICE JACK FOR VoIP HANDSET AT PRE-INSTALL BOX BY BLDG. MFG'R, ADJACENT TO DOOR.
7. PROVIDE INDICATED JACKS AND DEVICES FOR WALL MOUNTED PROJECTOR AT PRE-INSTALLED BOXES BY BLDG. MFG'R. MFG'R TO PROVIDE QUAD POWER OUTLET. SEE TEACHING WALL ELEVATION, DETAIL 4/E103. INSTALL PROJECTOR MOUNT PER DETAIL 1/E103.
8. PROVIDE PA SPEAKER AS SHOWN.
9. PROVIDE WEATHERPROOF GFI OUTLET WITH LOCKABLE COVER ADJACENT TO EXISTING HVAC UNIT. CONNECT TO ADJACENT EXISTING POWER OUTLET.

TYPICAL RELO BUILDING ELECTRICAL PLAN 3

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

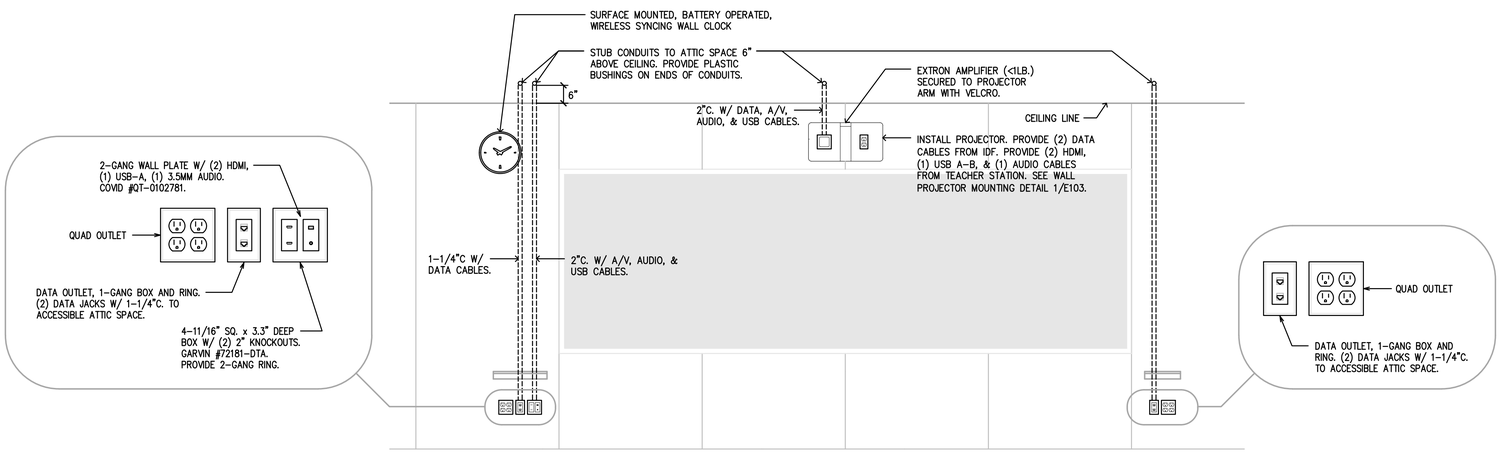


KEYNOTES ⬡

1. ADD NEW CIRCUIT BREAKER TO EXISTING PANELBOARD. PROVIDE ALL REQUIRED MOUNTING HARDWARE.
2. 1 1/2"C. 3#1, 1#6G.
3. GROUND PER DETAILS 1/E102 & 2/E102. AT RELO BUILDING, BOND BUILDING MODULES TOGETHER PER DETAIL 3/E103.

POWER SINGLE LINE DIAGRAM 5

NO SCALE



TYPICAL TEACHING WALL ELEVATION 4

NO SCALE

LOW VOLTAGE CABLE SCHEDULE

AP	4 PAIR PUBLIC ADDRESS CABLE TO MATCH EXISTING SITE CABLE
FS	DATA: 36-STR SM FO CABLE PER SPECS
FP	IDF DATA PATCH CABLE: 6-STR SM FO CABLE PER SPECS.
FA	FIRE ALARM: SEE FA SHEETS

SITE COMM/SIGNAL LINE DIAGRAM 6

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CAUTION
WATCH FOR OVERHEAD POWER LINES

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CLOVIS UNIFIED SCHOOL DISTRICT

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ELECTRICAL LINE DIAGRAMS

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SCALE AS NOTED

E103

Drawing: Z:\Clovis\Site Church Flynn\2020\Fugman ES Revised\CAD Files\2020\e1 Electrical_Sitelocal.dwg
Plot: Apr 25, 2022 - 3:51pm

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.
3. 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 SECTION.
9. 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 INTELLIGIBLE.
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.
27. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
28. ALL WIRING IS SHOWN DIAGRAMMATICALLY. SUBJECT TO DSA APPROVAL, CONTRACTOR MAY VARY SEQUENCE OF CIRCUITRY; HOWEVER, ALL CIRCUITS SHALL BE CONTINUOUS AND SUPERVISED.
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 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 PRIOR TO COMMENCING ANY WORK.
31. ALL NAC CIRCUIT CONDUCTORS SHALL BE #12 AWG, STRANDED (19 STRANDS OR LESS) COPPER, UNLESS OTHERWISE NOTED.
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.
36. THE FAS INSTALLER SHALL PROVIDE ALL FACTORY WARRANTIES TO THE OWNER AT THE CLOSE UP OF THE PROJECT.
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.
39. WHEN FIRE ALARM WORK WILL DISABLE PORTIONS OF THE EXISTING FAS, PROVIDE ALL REQUIRED OVERTIME AND FIRE WATCH IN SCOPE OF WORK.
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 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.
    - 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:

    - RECORD DRAWINGS/AS-BUILTS
    - EQUIPMENT CUT SHEETS & CA SFM LISTINGS
    - ALTERNATIVE MEANS AND METHODS
    - 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)
    - RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6)
    - SOFTWARE & FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2)

FIRE ALARM SYMBOLS SCHEDULE:

SYMBOL	NAME	DESCRIPTION	CSFM LISTING
FCP	(E) FIRE ALARM CONTROL PANEL W/ EVAC NETWORK VOICE GATEWAY	GAMEWELL/FCI #E3 SERIES GAMEWELL/FCI #INI-VGC	7165-1703:0125
LOC	(E) LOCAL OPERATING CONSOLE W/ ANNUNCIATOR & PAGING MICROPHONE	GAMEWELL/FCI #E3-LOC GAMEWELL/FCI #NGA, ASM-16, INI-VGC, INCC-MIC	7165-1703:0125
EXP	(E) NAC EXPANDER PANEL	WHEELOCK/FCI #PS-8	7315-0785:0167
EVAC	(E) FIRE ALARM EVAC NETWORK TRANSPONDER	GAMEWELL/FCI #INX	7165-1703:0125
	SMOKE DETECTOR, PHOTOELECTRIC DETECTOR BASE	GAMEWELL/FCI #ASD-PL2F GAMEWELL/FCI #B501	7272-1703:0121 7300-1653:0109
	ATTIC HEAT DETECTOR, 190°F DETECTOR BASE	GAMEWELL/FCI #ATD-HL2F GAMEWELL/FCI #B501	7270-1703:0115 7300-1653:0109
	SPEAKER/VISIBLE NAC DEVICE, CEILING MT'D (WATTS & cd INDICATED ON PLANS)	EATON/WHEELOCK #ELSPSTWC	7320-0785:0505
WP	(E) EXTERIOR SPEAKER, W.P., WALL MT'D (WATTS INDICATED ON PLANS)	EATON/WHEELOCK #ET-1010-R	7320-0785:0105

FIRE ALARM CABLE SCHEDULE:

SYMBOL	NAME	DESCRIPTION
A	SIGNALING LINE CIRCUIT (SLC) CABLE WEST PENN #D990	16/2 TWISTED PAIR, STRANDED, LOW CAPACITANCE FA POWER LIMITED, RISER CABLE (FPLR)
AW	SIGNALING LINE CIRCUIT (SLC) CABLE, OSP WEST PENN #AQC225	16/2 TWISTED PAIR, STRANDED, AQUASEAL FA POWER LIMITED CABLE (FPL)
B	NOTIFICATION APPLIANCE CKT (NAC) CABLE WEST PENN #998S	12/2 TWISTED PAIR, STRANDED FA POWER LIMITED, RISER CABLE (FPLR)
C	EM. VOICE/ALARM COMM. (EV/AC) CABLE WEST PENN #HF995	14/2 SHIELDED TWISTED PAIR, STRANDED FA POWER LIMITED CABLE (FPL)
CW	EM. VOICE/ALARM COMM. (EV/AC) CABLE, OSP WEST PENN #AQC295	14/2 SHIELDED TWISTED PAIR, STRANDED, AQUASEAL FA POWER LIMITED CABLE (FPL)
D	INITIATING DEVICE CIRCUIT (IDC) CABLE WEST PENN #994S	14/2 TWISTED PAIR, STRANDED FA POWER LIMITED, RISER CABLE (FPLR)
DW	INITIATING DEVICE CKT (IDC) CABLE, OSP WEST PENN #AQC226	14/2 TWISTED PAIR, STRANDED, AQUASEAL FA POWER LIMITED CABLE (FPL)
G	POWER CABLE WEST PENN #998S	12/2 TWISTED PAIR, STRANDED FA POWER LIMITED, RISER CABLE (FPLR)

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DATE: 05/09/2022

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BATTERY CALCULATION

(E) NAC Expander 'NAC-P'

POWER REQUIREMENTS

	CURRENT [A] SUPERVISORY	ALARM
Panel Overhead	0.129	0.129
(E) NAC Circuit 1	-	0.620
(E) NAC Circuit 2	-	0.499
NAC Circuit 3	-	0.120
TOTALS	0.129	1.368

BATTERY CAPACITY

SUPERVISORY POWER (24 HOURS)	= 24 Hr * 0.129A	=	3.096 AHr
ALARM POWER (15 MINUTES)	= 0.25 Hr * 1.368A	=	0.342 AHr
	TOTAL POWER REQUIREMENT	=	3.438 AHr
	MINIMUM BATTERY CAPACITY (includes 25% safety factor)	=	7 AHr

VOLTAGE DROP CALCULATION

NAC Circuit 'n3'

VD = Voltage Drop [V]
I = Current [A] (0.12A)
K = 12.9 (Copper Constant)
L = Distance to Load [ft.] (450')
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)

$VD = \frac{K * I * 2L}{CM} = \frac{12.9 * 0.12 * 2 * 450'}{6530} = 0.213\ V$

$VD\% = \frac{VD}{24} = 0.9\%$

BATTERY CALCULATION

(E) EVAC Network Transponder Panel 'INX'

POWER REQUIREMENTS

	CURRENT [A] SUPERVISORY	ALARM
(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
(E) AUDIO Circuit 1	-	0.0707
AUDIO Circuit 2	-	0.0283
TOTALS	0.2650	2.6160

BATTERY CAPACITY

SUPERVISORY POWER (24 HOURS)	= 24 Hr * 0.265A	=	6.360 AHr
ALARM POWER (15 MINUTES)	= 0.25 Hr * 2.616A	=	0.654 AHr
	TOTAL POWER REQUIREMENT	=	7.014 AHr
	MINIMUM BATTERY CAPACITY (includes 25% safety factor)	=	9 AHr

VOICE EVACUATION SPEAKER VOLTAGE DROP

Volt Drop Common Parameters

Volts	7(	Volts
Wire Size	1(	AWG
Wire Resistance	8.45	ohm/Kft

	INDOOR					OUTDOOR				CIRCUIT LENGTH		
Type Wattage Tap	1/8 W	1/4 W	1/2W	1W	2W	1W	2W	4W	8W	Total Watts	Max Length	Actual Length
v1 (E)				3			1			5	7010	1225
v2				2						2	17524	450

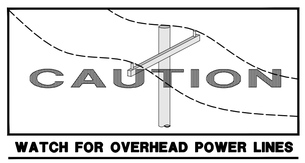
FIRE ALARM SEQUENCE OF OPERATION MATRIX

NO SCALE (2)

ACTION \ INITIATION CONDITON	SMOKE, HEAT DETECTOR	POWER LOSS, SHORT CIRCUIT, GROUND FAULT
ANNUNCIATE TROUBLE		●
ANNUNCIATE ALARM	●	
ANNUNCIATE SUPERVISORY	●	
INITIATE NOTIFICATION APPLICANCES	●	
INITIATE EV/AC APPLICANCES	●	
TRANSMIT TO CENTRAL STATION	●	●

FIRE ALARM CALCULATIONS

NO SCALE (1)



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REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

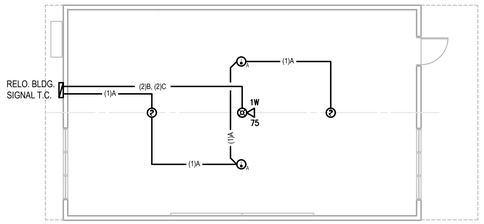
PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
FIRE ALARM NOTES & DETAILS

CONST. DOCUMENTS

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

E201

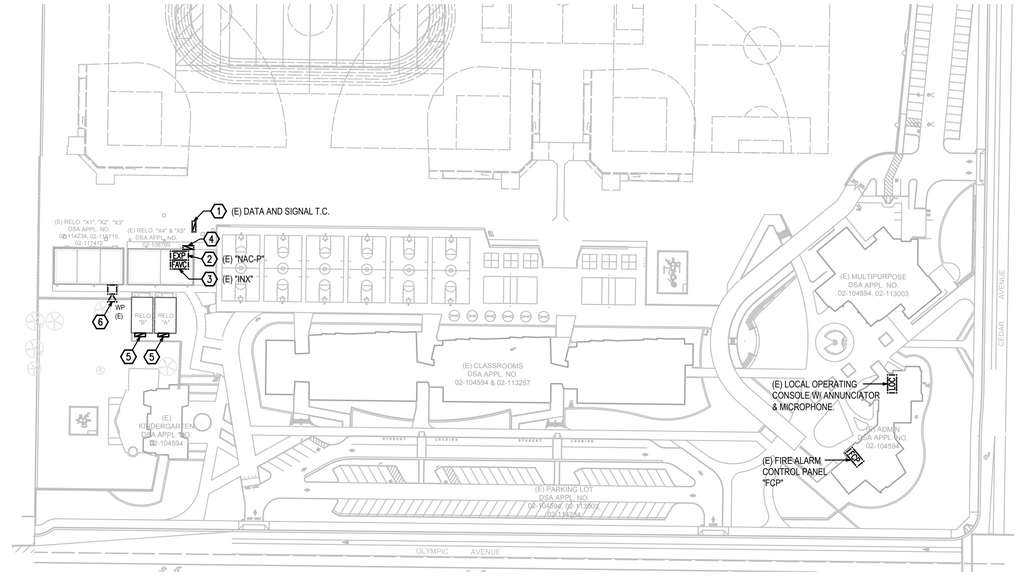
Drawing: Z:\Clients\Blair, Church & Flynn\2020\20-4 Fugman ES Reno\CAD Files\20204-4 Electrical_Sheet Index.dwg
Plot: Apr 21, 2022 - 3:01pm



TYPICAL RELO BUILDING FIRE ALARM PLAN

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

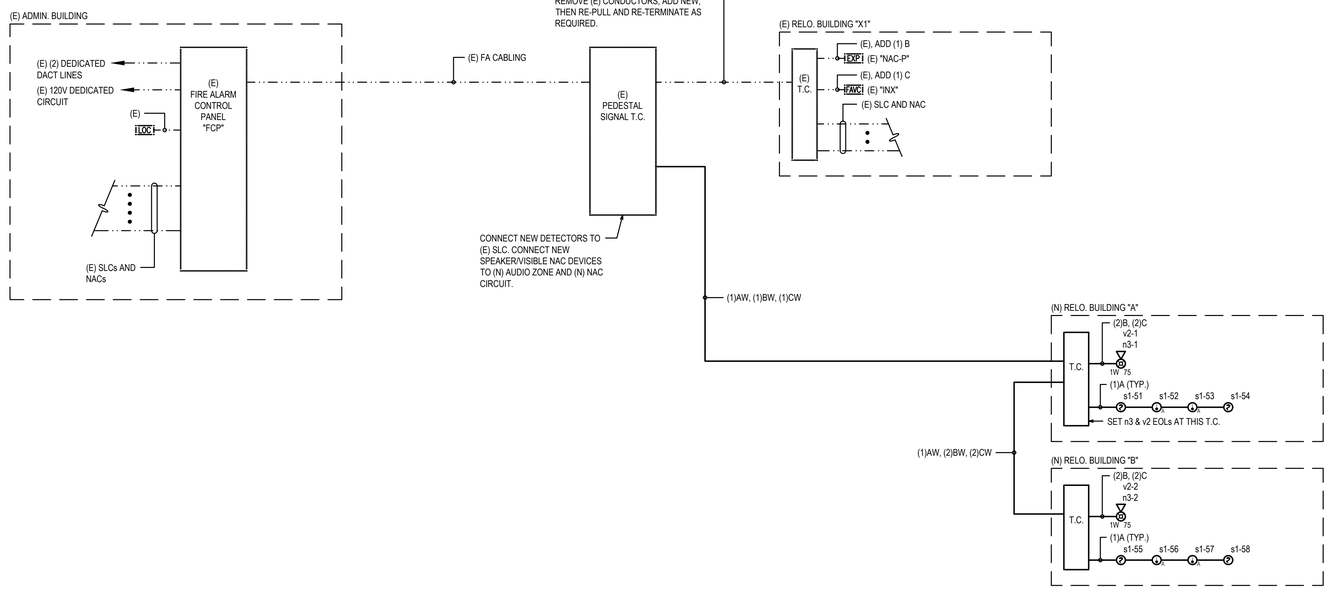
1



NORTH

FIRE ALARM REFERENCE SITE PLAN

SCALE: 1" = 80'-0"



FIRE ALARM SINGLE LINE DIAGRAM

NO SCALE

2

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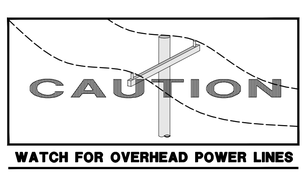
KEYNOTES

1. EXISTING PEDESTAL MOUNTED WEATHERPROOF DATACOMM TERMINAL CABINET AND SIGNAL TERMINAL CABINET. CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.
2. EXISTING NAC EXPANDER PANEL "NAC-P". CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.
3. EXISTING FA EVAC NETWORK TRANSPONDER PANEL "INX", CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.
4. EXISTING RELO BUILDING SIGNAL TERMINAL CABINET. CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.
5. RELO BUILDING SIGNAL TERMINAL CABINET. CONNECT FA PER FIRE ALARM SINGLE LINE DIAGRAM 2/E202.
6. EXISTING EXTERIOR SPEAKER LOCATION, SHOWN FOR REFERENCE ONLY.



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REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
FIRE ALARM SITE & BLDG. PLANS

CONST. DOCUMENTS

DR. BY: EN
CH. BY: SD
DATE: 04/21/2022
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E202

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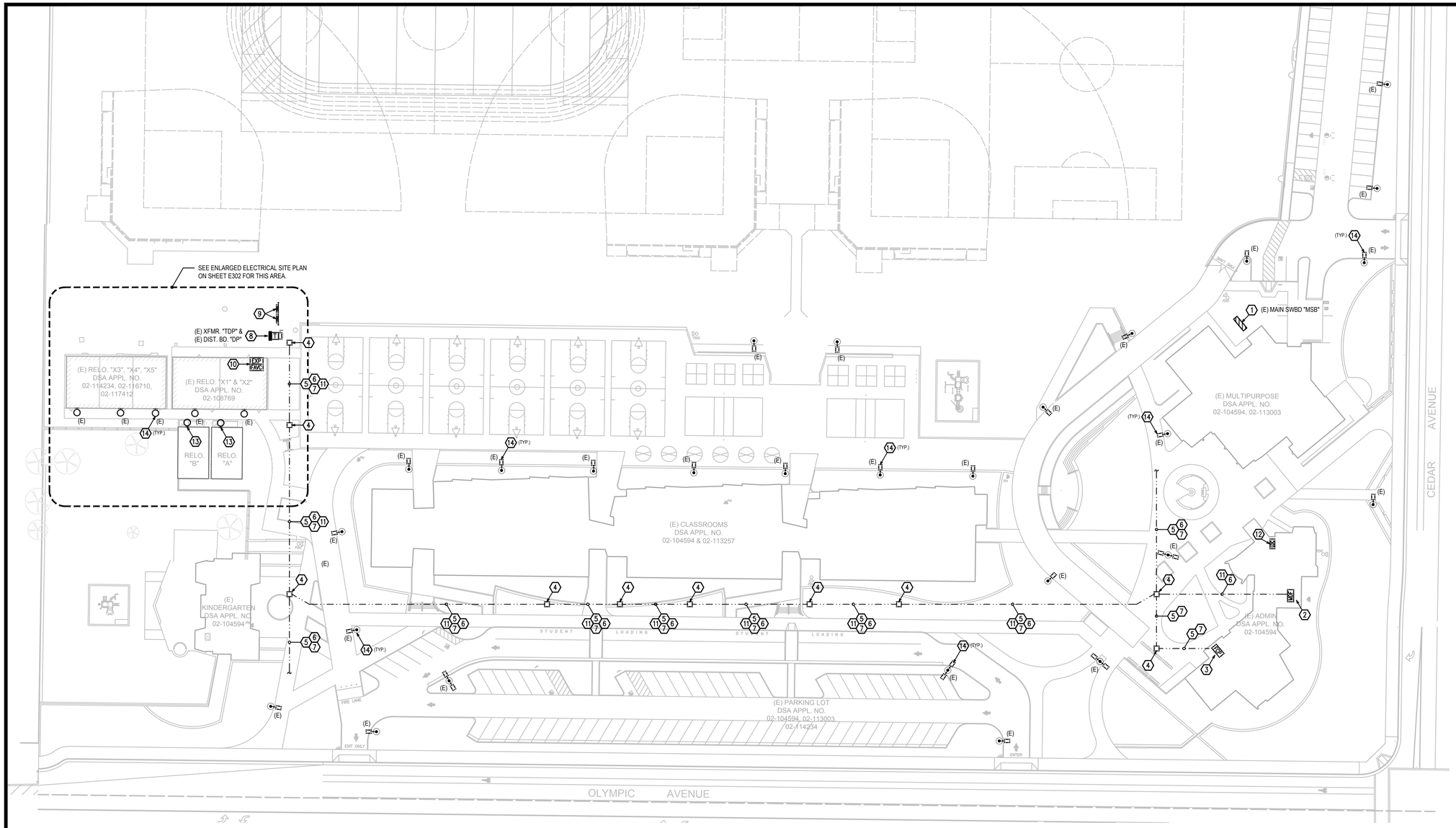

NORTH

ELECTRICAL SITE PLAN

SCALE: 1" = 40'-0"

KEYNOTES

1. EXISTING MAIN SWITCHBOARD "MSB".
2. EXISTING TELEPHONE & VIDEO HEAD ENDS EQUIPMENT AND MDF IN COM/LAN ROOM.
3. EXISTING SIGNAL HEAD ENDS EQUIPMENT AND FIRE ALARM CONTROL PANEL IN ELECTRICAL ROOM.
4. EXISTING PULL BOX CLUSTER: POWER, DATACOMM, SIGNAL.
5. EXISTING POWER CONDUITS AND WIRING.
6. EXISTING TELE, VIDEO, DATA CONDUITS AND CABLING.
7. EXISTING SIGNAL CONDUITS AND CABLING.
8. EXISTING TRANSFORMER "TDP" AND DISTRIBUTION PANELBOARD "DP". SEE POWER SINGLE LINE DIAGRAM 5/E103.
9. EXISTING PEDESTAL MOUNTED WEATHERPROOF DATACOMM T.C. AND SIGNAL T.C. CONNECT DATA AND SIGNAL. SEE SITE COMM/SIGNAL LINE DIAGRAM 6/E103. CONNECT FA. SEE FIRE ALARM SHEETS.
10. EXISTING FA EXPANDER "NAC-P" AND EVAC NETWORK TRANSPONDER "INX". CONNECT FA. SEE FIRE ALARM SHEETS.
11. ADD NEW FIBER OPTIC CABLE THROUGH EXISTING CONDUIT. PROVIDE CABLING AND CONNECTIONS PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.
12. EXISTING FA LOCAL OPERATING CONSOLE WITH ANNUNCIATOR & PAGING MICROPHONE. SEE FIRE ALARM SHEETS.
13. BUILDING EXTERIOR LIGHT PRE-INSTALLED BY BUILDING MANUFACTURER.
14. EXISTING AREA LIGHTING.

CAUTION
WATCH FOR OVERHEAD POWER LINES

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REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
ELECTRICAL SITE PLAN

CONST. DOCUMENTS

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

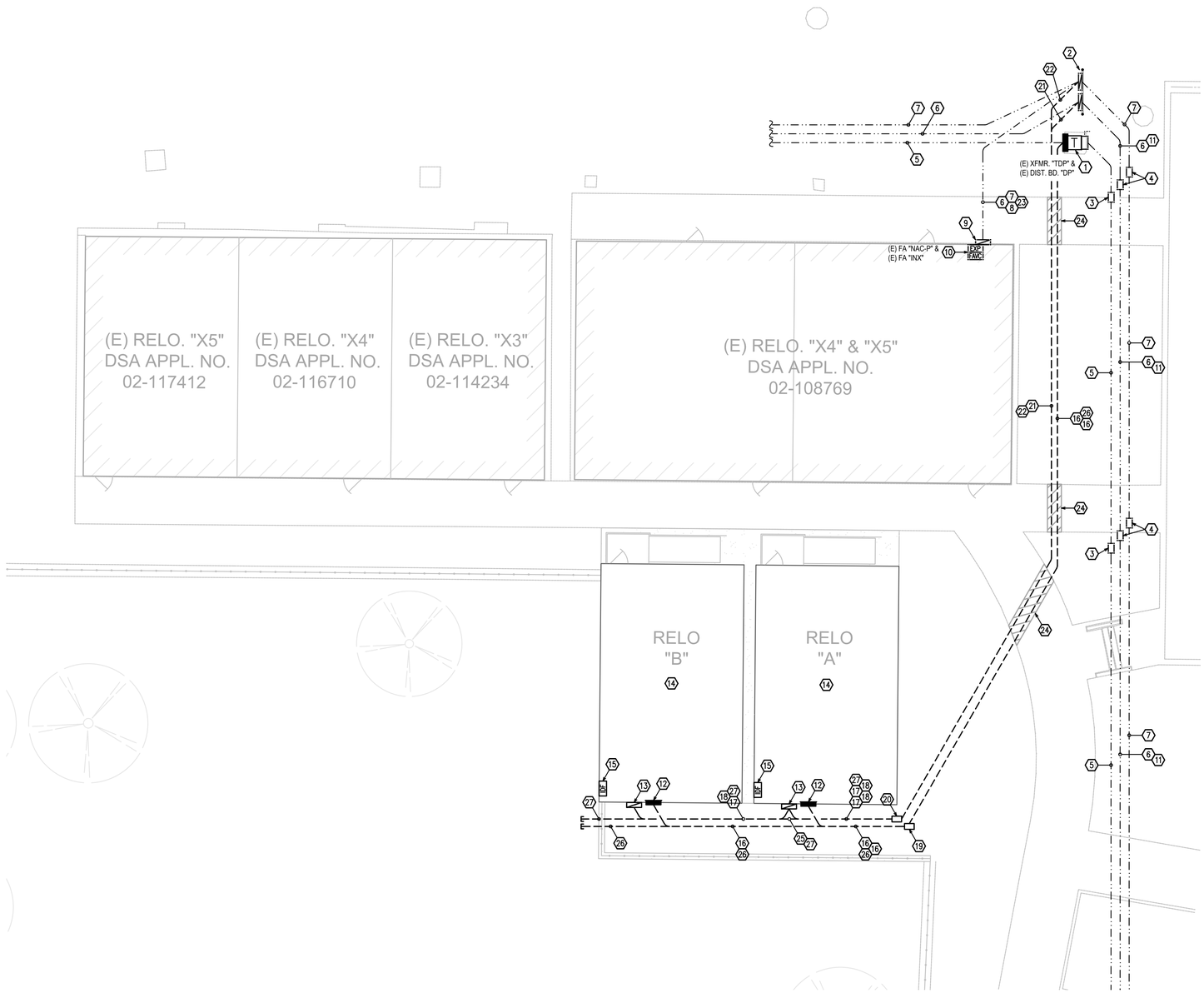
E301

Drawing: S:\Clovis\Gen Clovis Proj\2022\4 - Fugman ES Relo\CAD Files\2022-4 - Electrical_Electrical.dwg
Plot Apr 21, 2022 - 3:20pm

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

FOR DSA USE ONLY

DSA APP # 02-120131



KEYNOTES

1. EXISTING TRANSFORMER "TDP" AND DISTRIBUTION PANELBOARD "DP". SEE POWER SINGLE LINE DIAGRAM 5/E103.
2. EXISTING PEDESTAL MOUNTED WEATHERPROOF DATACOMM T.C. AND SIGNAL T.C. 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 DATACOMM AND SIGNAL PULL BOXES.
5. EXISTING POWER FEEDERS.
6. EXISTING DATA CONDUITS AND CABLING.
7. EXISTING SIGNAL CONDUITS AND CABLING.
8. EXISTING FIRE ALARM CONDUIT AND CABLING.
9. EXISTING RELO BUILDING SIGNAL T.C.
10. EXISTING FA EXPANDER "NAC-P" AND EVAC NETWORK TRANSPONDER "INX". CONNECT FA. SEE FIRE ALARM SHEETS.
11. ADD NEW FIBER OPTIC CABLE THROUGH EXISTING CONDUIT. PROVIDE CABLING AND CONNECTIONS PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.
12. 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.
13. 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.
14. 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.
15. PROVIDE IDF PER DETAIL 5/E102 AND SPECIFICATIONS. INSTALL OUTLET AT INTERIOR AND CONNECT TO DEDICATED 20A 120V CIRCUIT IN RELO PANELBOARD.
16. 1 1/2"C. POWER FEEDER TO RELO BUILDING PANELBOARD. SEE POWER SINGLE LINE DIAGRAM 5/E103.
17. 2"C. FIBER TO RELO BUILDING T.C. PROVIDE CABLING AND CONNECTION PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.
18. 2"C. SIGNAL AND 2"C. FA TO RELO BUILDING T.C. PROVIDE CABLING AND CONNECTION PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.
19. B1017 H/20 RATED PULL BOX LABELLED "POWER" PER DETAIL 8/E102.
20. B1017 H/20 RATED PULL BOX LABELLED "SIGNAL" PER DETAIL 8/E102.
21. 2"C. FIBER. PROVIDE CABLING AND CONNECTIONS PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.
22. 2"C. SIGNAL, 2"C. FA. PROVIDE CABLING AND CONNECTIONS PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.
23. PULL NEW FA CABLING THROUGH EXISTING CONDUIT. SEE FIRE ALARM SHEETS.
24. SAWCUT EXISTING ASPHALT/ CONCRETE PAVING AND PATCH TO MATCH EXISTING.
25. 2"C. FIBER AND 2"C. SIGNAL TO RELO BUILDING T.C. PROVIDE CABLING AND CONNECTIONS PER SITE COMM/SIGNAL LINE DIAGRAM 6/E103.
26. 1 1/2"C. POWER SPARE.
27. (3) 2"C. SIGNAL SPARES.

NORTH

ENLARGED ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"

CAUTION
WATCH FOR OVERHEAD POWER LINES

811
Know what's below.
Call before you dig.

REGISTERED PROFESSIONAL ENGINEER
C. SCOTT DAVIDSON
E17850
ELECTRICAL
STATE OF CALIFORNIA

Hardin-Davidson Engineering
356 Pollasky Ave.
Suite 200
Clovis, CA 93612
559.323.4995 tel
559.323.4928 fax

Blair, Church & Flynn
CONSULTING ENGINEERS

LICENSED PROFESSIONAL ENGINEER
WILLIAM M. BROOKS
S 6614
STRUCTURAL
STATE OF CALIFORNIA
Date Signed:

CONSULTANT
Blair, Church & Flynn
Consulting Engineers
402 Clovis Avenue,
Suite 200
Clovis, California 93612
Tel (559) 326-0400
Fax (559) 326-1500

REF. & REV.

CLOVIS UNIFIED SCHOOL DISTRICT

PORTABLE ADDITIONS
FUGMAN ELEMENTARY SCHOOL
ENLARGED ELEC. SITE PLAN

CONST. DOCUMENTS

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

E302

Drawing: Z:\Clovis\Site - Clovis Fy\fm\22044 - Fugman ES Reloc\CAD Files\22044 - Electrical_SiteElectrical.dwg
Plot: Apr 25, 2022 - 3:02pm

ENVIROPLEX, INC.

RIGID STEELFRAME MODULAR BUILDING
APPLICABLE TO RELOCATABLE CLASSROOMS
(100) 24' x 40'
MOBILE MODULAR MANAGEMENT CORP.
STOCKPILE

SERIAL No.

4944-45, 4960-61, 5008-5009, 6360-61, 6164-75, 6238-47, 6350-59, 5970-71, 6362-6509

(REF: # 02-101236)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

JOHN H. LAWDER
NO. 52310
EXP. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215
(100) 24'x40' RELOCATABLE CLASSROOM
MOBILE MODULAR MANAGEMENT CORP.
STOCKPILE

COVER SHEET
ABBREVIATIONS
SHEET INDEX

REVISION DATE:	BY:
JOB NO: 03-010	
DRAWN BY: JQ	
DATE: 02-28-03	

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

AO

ABBREVIATIONS

@	AT
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
AMP	AMPERES
APA	AMERICAN PLYWOOD ASSOCIATION
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AWPB	AMERICAN WOOD PRODUCTS BUREAU
BM	BEAM
BTU	BRITISH THERMAL UNITS
C.Y.	CENTER TO CENTER
C.B.C.	CALIFORNIA BUILDING CODE
C.E.C.	CALIFORNIA ELECTRICAL CODE
CIR	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CONT	CONTINUOUS
CP	COMPLETE PENETRATION
DBL	DOUBLE
D.F.	DOUGLAS FIR - LARCH
DIA	DIAMETER
DN	DOWN
D.S.A.	DIVISION OF THE STATE ARCHITECT
DWG	DRAWING
EA	EACH
ELEC	ELECTRICAL
EN	EDGE NAIL
EQ	EQUAL
EW	EACH WAY
EXP	EXPOSURE
EXT	EXTERIOR
F.A.	FIRE ALARM
FIN	FINISH
FLG	FLANGE
FLR	FLOOR
FLR'G	FLOORING
FT	FEET
FTG	FOOTING
F.R.P.	FIBERGLASS REINFORCED PANEL
FY	YIELD STRENGTH (STEEL)
GA	GUAGE
GALV	GALVANIZED
HD	HOLDDOWN
HDR	HEADER
HDWR	HARDWARE
H.M.	HOLLOW METAL
H.F.	HEM FIR
HR	HOUR
H.S.B.	A325N HIGH STRENGTH BOLTS
HVAC	HEATING VENTILATION AIR CONDITIONING
INT	INTERIOR
J-BOX	JUNCTION BOX
KW	KILOWATT
LB	POUND
MAX.	MAXIMUM
M.B.	A307 MACHINE BOLTS
MFR	MANUFACTURER
MIN.	MINIMUM
MISC	MISCELLANEOUS
MOD	MODULE
MTL	METAL
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
O.C.	ON CENTER
OPT	OPTIONAL
PL	PLATE
PLYWD	PLYWOOD
P.S.I.	POUNDS PER SQUARE INCH
P.S.F.	POUNDS PER SQUARE FOOT
P.T.	PRESSURE TREATED
R-11	THERMAL RATING
REQ'D	REQUIRED
RFG	ROOFING
S.D.S.	SELF DRILLING SCREW(S)
SHG	SHEATHING
S.M.S.	SHEET METAL SCREW(S)
STR	STRUCTURAL
SQ	SQUARE
T&G	TONGUE AND GROOVE
TEK	TEK SCREWS
TS	TUBE STEEL
TYP	TYPICAL
U.B.C.	UNIFORM BUILDING CODE
V	VOLTS
W	WATTS
W.I.C.	WOODWORK INSTITUTE OF CALIFORNIA
W/	WITH
W/O	WITHOUT
ø	DIAMETER
1ø	SINGLE PHASE
3ø	THREE PHASE

STRUCTURAL TESTS AND INSPECTIONS

TESTING LABORATORY: _____ DATE: _____

NAME: _____

DISTRICT/OWNER: _____

DIVISION - FILE NO. _____ APPLICATION NO. _____

ARCHITECT: _____

STRUCTURAL ENGINEER: _____

THE FOLLOWING TESTS AND INSPECTIONS, AS CHECKED, WILL BE REQUIRED AS DETAILED IN APPLICATION SPECIFICATIONS.

COMPACTED FILL	CONCRETE	GUNITE	GROUT	MORTAR	
FILL MATERIAL, ACCEPTANCE TESTS					TEST OF AGGREGATES FOR MIX DESIGN ONLY
COMPACTION CONTROL, CONTINUOUS					SUITABILITY TESTS OF AGGREGATES AS DETAILED BELOW
COMPACTION TESTS ONLY AS ORDERED	X				MIX DESIGNS (METHOD A)
BEARING CAPACITY OF COMPACTED FILL	X				WEIGHMASTER CERTIFICATE
REINFORCING STEEL					INSPECT PLACING
SAMPLE AND TEST BAR STEEL					SAMPLE
SAMPLE AND TEST MESH	X				COMPRESSION TESTS (CONCRETE FOUNDATION ONLY)
INSPECT PLACING AT JOB					PICK UP SAMPLES AT JOB
STRUCTURAL STEEL					SAMPLES DELIVERED TO LABORATORY
X SAMPLE AND TEST AS DETAILED BELOW					DELIVER SAMPLE FORMS TO JOBSITE
X SHOP FABRICATION INSPECTION					SAMPLE AND TEST CEMENT
FIELD ERECTION INSPECTION					
X INSPECTION OF WELDS-SHOP					
INSPECTION OF WELDS-FIELD					
INSPECTION OF RIVETING OR BOLTING-SHOP					
INSPECTION OF RIVETING OR BOLTING-FIELD					
SAMPLE AND TEST HIGH STRENGTH BOLTS AND WASHERS					
BRICK AND BLOCK					
SAMPLE AND TEST					
TEST ONLY					
INSPECTION OF PLACING					
CORE DRILL SAMPLES					
OTHER TESTS & INSPECTIONS					
1. GENERAL INPLANT INSPECTION					
2. ELECTRICAL GROUND TEST IN FIELD					
3. TEST ELECTRICAL GROUNDING					

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH PSI MINIMUM @ 28 DAYS
CONCRETE	1"	2,500 PSI

LIST OF STRUCTURAL STEEL MEMBERS TO BE TESTED

PROVIDE MILL CERTIFICATES OR TEST PER C.B.C. SECTION 2231A
STRUCTURAL TUBING T55=5x5/16
LIGHT GAUGE STEEL SECTIONS & PLATES

DISTRIBUTION
( ) ENVIROPLEX INC.
( ) DIVISION OF STATE ARCHITECT
( ) DISTRICT/OWNER
( ) INSPECTOR
( ) ARCHITECT
( )

AUTHORIZATION SIGNATURE

REMARKS: _____

SYMBOL INDEX

TAPERED ROOF SHEET INDEX

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A1-FLOOR PLAN-EXTERIOR & INTERIOR ELEVATIONS-MATERIAL SPECIFICATIONS-GENERAL NOTES

A2-MECHANICAL & REFLECTED CEILING PLANS-HVAC @ WALL SECTION-DETAILS-HVAC SPECIFICATIONS

A3-ELECTRICAL POWER & SIGNAL PLAN-ELECTRICAL LIGHTING PLAN-DETAILS-ELECTRICAL NOTES

A4-SECTIONS-DETAILS

A5-DETAILS

~~S1W50-50 PSF WOOD FOUNDATION PLAN-FOOTING DETAILS-NOTES~~

S2-ROOF-CEILING-FLOOR FRAMING PLANS-STRUCTURAL STEEL PROPERTIES-NOTES

S3-SECTION-WALL FRAMING ELEVATIONS-NAILING DETAIL-END FRAME ELEVATIONS-NAILING SCHEDULE

S4-CONNECTION DETAILS

S5R-HANDICAP ACCESS RAMP

ELEVATION TOP OF WORK - BENCHMARK

X/XX DETAIL SHEET - DETAIL KEY

X/XX SECT NO. SHEET - BUILDING SECTION

X/XX - ENLARGED PLAN VIEW DETAIL

X/XX - WALL ELEVATION SYMBOL

SEE SHEET A3 FOR ELECTRICAL SYMBOLS

SHED ROOF SHEET INDEX

A0-COVER SHEET-ABBREVIATIONS-SHEET INDEX

A1A-FLOOR PLAN-EXTERIOR & INTERIOR ELEVATIONS-MATERIAL SPECIFICATIONS-GENERAL NOTES

A1B-ALTERNATE

A2-MECHANICAL & REFLECTED CEILING PLANS-HVAC @ WALL SECTION-DETAILS-HVAC SPECIFICATIONS

A2A-ALTERNATE MECHANICAL & REFLECTED CEILING PLAN-HVAC @ WALL SECTION-DETAILS-HVAC SPECIFICATIONS

A3-ELECTRICAL POWER & SIGNAL PLAN-ELECTRICAL LIGHTING PLAN-DETAILS-ELECTRICAL NOTES

A4A-SECTIONS-DETAILS

A5-DETAILS

S1C-CONCRETE FOUNDATION PLAN-FOOTING DETAILS-NOTES

S1W50-50 PSF WOOD FOUNDATION PLAN-FOOTING DETAILS-NOTES

S1W50A-36'x40' 50 PSF WOOD FOUNDATION PLAN-48'x40' 50 PSF WOOD FOUNDATION PLAN

S1W70-70 PSF WOOD FOUNDATION PLAN-FOOTING DETAILS NOTES

S1W70A-36'x40' 70 PSF WOOD FOUNDATION PLAN-48'x40' 70 PSF WOOD FOUNDATION PLAN

S1W125-125 PSF WOOD FOUNDATION PLAN-FOOTING DETAILS-NOTES

S1W125A-36'x40' 125 PSF WOOD FOUNDATION PLAN-48'x40' 125 PSF WOOD FOUNDATION PLAN

S2A-ROOF-CEILING-FLOOR FRAMING PLANS-STRUCTURAL STEEL PROPERTIES-NOTES

S3A-SECTION-WALL FRAMING ELEVATIONS-NAILING DETAIL-END FRAME ELEVATIONS-NAILING SCHEDULE

S4-CONNECTION DETAILS

S5R-HANDICAP ACCESS RAMP

BUILDING CODES/CBC DATA

APPLICABLE CODES:

1998 CALIFORNIA BULDING CODE, PART 2, TITLE 24 (1997 UNIFORM BUILDING CODE AND CALIFORNIA AMENDMENTS)

1998 CALIFORNIA ELECTRICAL CODE, PART 3 TITLE 24 (1996 NATIONAL ELECTRICAL CODE AND CALIFORNIA AMENDMENTS)

1998 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 (1997 UNIFORM MECHANICAL CODE AND CALIFORNIA AMENDMENTS)

1998 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 (1997 UNIFORM PLUMBING CODE AND CALIFORNIA AMENDMENTS)

1998 CALIFORNIA FIRE CODE, PART 9, TITLE 24 (1997 UNIFORM FIRE CODE AND CALIFORNIA AMENDMENTS)

1998 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 (1997 UNIFORM BUILDING CODE STANDARDS AND CALIFORNIA AMENDMENTS)

TITLE 19, CALIFORNIA CODE OF REGULATIONS

OCCUPANCY	E1&E2
CONSTRUCTION TYPE	V-NR
CLASSROOM AREA: 960 S.F.	NOMINAL

1. ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO THE 1998 CALIFORNIA BUILDING CODE (C.B.C.). A COPY OF THE CALIFORNIA BUILDING CODE SHALL BE KEPT ON THE SITE AT ALL TIMES.
2. CHANGES TO THE APPROVED DRAWINGS & SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE STRUCTURAL ENGINEER, OWNER, & THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED.
3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) & APPROVED BY THE STRUCTURAL ENGINEER & THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 1701A.3 OF 1998 C.B.C.
4. MATERIAL TESTING AS NOTED IN THE STRUCTURAL TESTS & INSPECTIONS AT THE LEFT SHALL BE PERFORMED AS REQUIRED PER SECTION 2231A OF 1998 C.B.C. MATERIAL TESTING REQUIRED BY FIRE REGULATIONS SHALL BE PERFORMED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
5. VERIFIED REPORTS (DSA/SSS FORM 6) SHALL BE SUBMITTED PER SECTION 4-336, 4-341(f), 342(b)(8), AND 4-343 (c) BY THE MANUFACTURER, INSPECTOR, STRUCTURAL ENGINEER.
6. A SEPARATE DSA APPLICATION NUMBER MUST BE OBTAINED BEFORE MANUFACTURING ANY ENVIROPLEX UNIT IN ACCORDANCE WITH THESE DRAWINGS.
7. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS & ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
8. SPECIAL INSPECTIONS PER SECTION 1701A 1998 C.B.C.

D.S.A. REQUIREMENTS

DIVISION OF THE STATE ARCHITECT

FLE-39-D

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 105136
AC SS FLS
DATE 12/26/2002

DESIGN CRITERIA

ROOF: DEAD LOAD - 8.0 PSF
ROOF: LIVE LOAD - 20.0 PSF (SNOW)

FLOOR: DEAD LOAD - 8.0 PSF
FLOOR: LIVE LOAD - 50.0 PSF
~~(OPTIONAL) FLOOR: LIVE LOAD - 70.0 PSF~~
~~(OPTIONAL) FLOOR: LIVE LOAD - 125.0 PSF~~

WALLS: DEAD LOAD - 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, R_w=4.5, I_p=2.0, I_w=1.5, C_p=0.44N_a, N_v=2.0 C_p=.54N_a

APPROVALS

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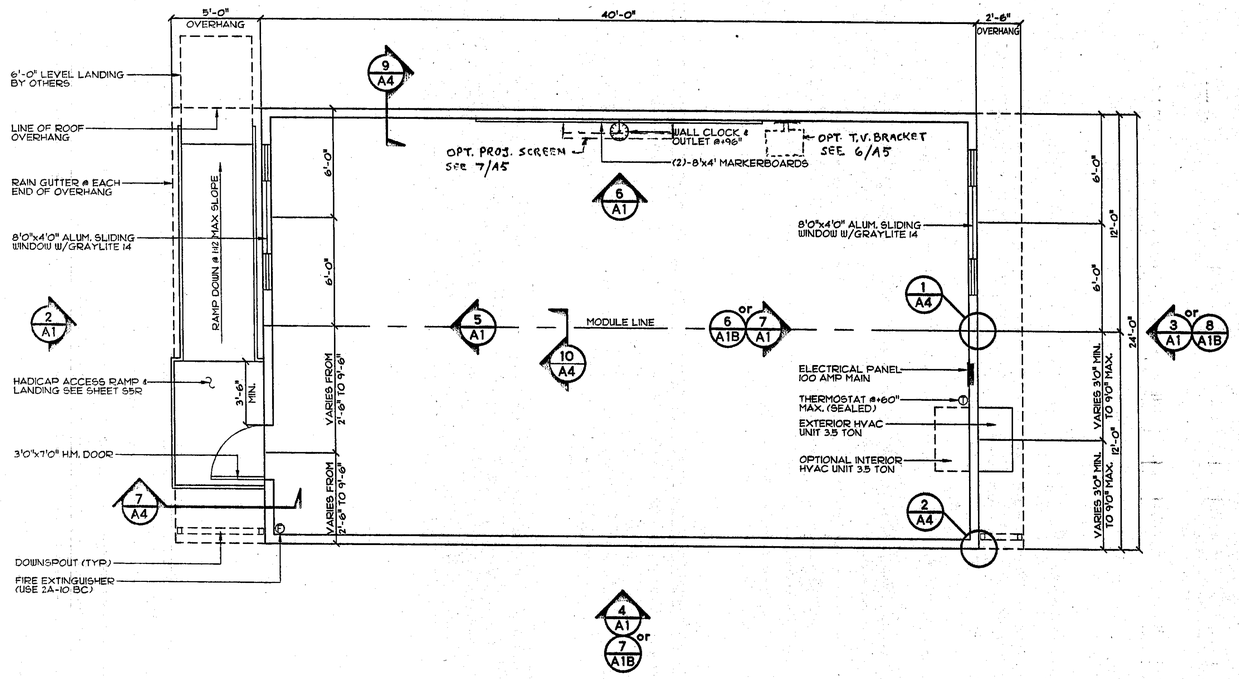
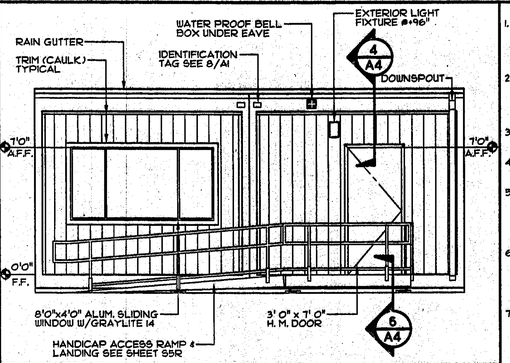
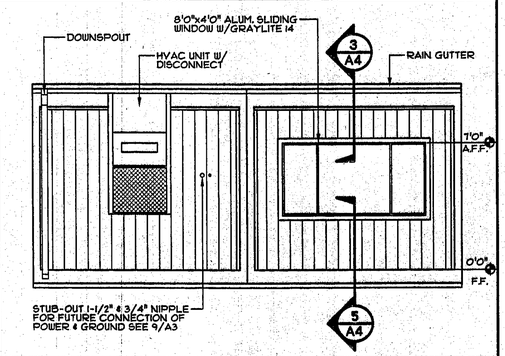


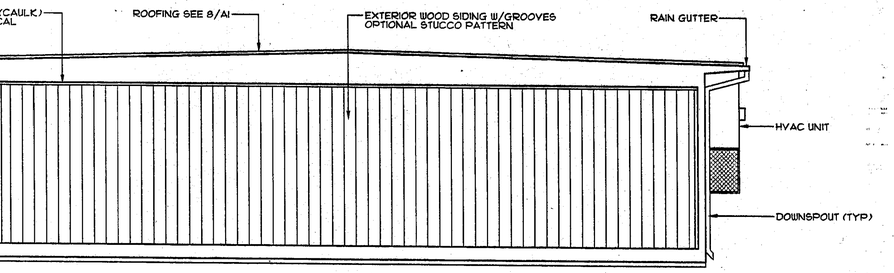
1 24' x 40' CLASSROOM FLOOR PLAN
SCALE: 1/4"=1'-0"



2 END WALL EXTERIOR ELEVATION
SCALE: 1/4"=1'-0"

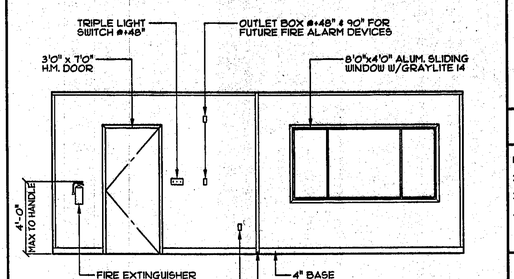


3 END WALL EXTERIOR ELEVATION
SCALE: 1/4"=1'-0"

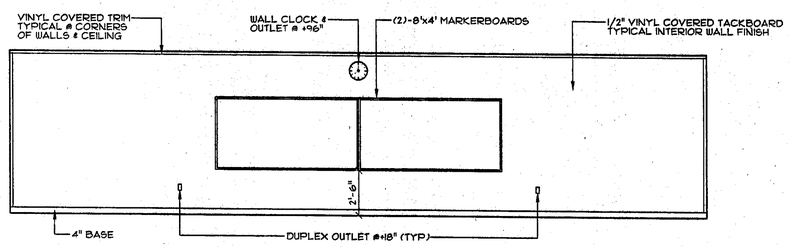


NOTE: SEE SHEET S1C & S1W FOR SIZE & LOCATION OF FOUNDATION VENTS.

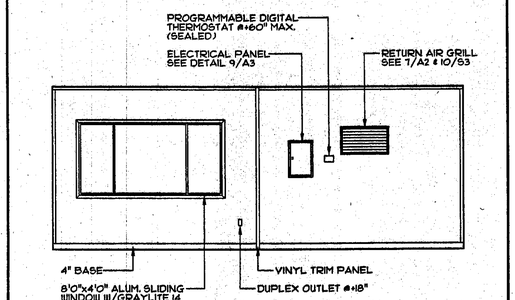
4 SIDE WALL EXTERIOR ELEVATION
SCALE: 1/4"=1'-0"



5 END WALL INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



6 SIDE WALL INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



7 END WALL INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

8 MATERIAL SPECIFICATIONS & NOTES

1. CARPETS- ALL MODULES SHALL BE CARPETED WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-21K-01, GROUP I, TYPE "A", CLASS 24. THE CARPET DENSITY SHALL BE 4600 MIN. PILE YARN SHALL BE BRANDED NYLON, NO CROSS SEAMS SHALL BE ALLOWED. COLOR TO BE SELECTED BY OWNER.
2. RESILIENT BASE COVE- BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE. PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLORS AS MANUFACTURED BY "BURKE RUBBER CO." OR EQUAL.
3. ADHESIVES SHALL BE WATER BASE, SOLVENT BASE NOT ACCEPTABLE. FURNISH AND APPLY PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
4. SEALANT- ROOF & MODULE LINE - POLYURETHANE
   SIDING & TRIM - ACRYLIC LATEX
5. PAINT- (EXTERIOR WOOD) PRIMER---------ACRYLIC UNDERCOAT
   FINISH----------ACRYLIC LATEX
   (METALS)-------- PRIMER----------RED OXIDE ALKYD
   FINISH----------ACRYLIC LATEX
6. BUILDING, DOOR, & WINDOW TRIM MASONITE FACED MDO TRIM. TRIM SHALL BE SEALED AT ALL EDGES SEALANT. PAINTED TO MATCH TRIM OR SIDING.
   EXTERIOR SIDING-8" O.C. GROOVED M.D.O. PLYWOOD OR STUCCO PATTERN MASONITE FACED EXTERIOR SIDING. (MINIMUM NET THICKNESS 3/8")
7. HOLLOW METAL DOORS AND FRAMES- 3'0" x 7'0" x 1-3/4" 18 GA. FULL FLUSH METAL DOOR IN 16 GA. METAL FRAME.
   EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
   CLOSERS FOR EXTERIOR DOORS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS & 5 LBS FOR INTERIOR CLOSERS
   DEADBOLTS NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE.
   DOOR SWINGS CAN BE RIGHT OR LEFT HAND HINGE.
   HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISHED FLOOR.

	(UNLESS OTHERWISE NOTED)
LOCKSET (LEVER MODEL)	SCHLAGE D70PDRHO (RHODES) OR EQUAL
	(WHERE SPECIFIED ONLY)
LOCKSET (PANIC DEVICE)	INTERIOR: PRECISION #108 626 OR EQUAL
	EXTERIOR: PRECISION # 9L OR EQUAL
	CYLINDER: SCHLAGE, YALE, SARGENT OR EQUAL
HINGES	HAGER BB1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL
CLOSER	NORTON 8501BF OR EQUAL
THRESHOLD	PEMKO 271A OR EQUAL
DOOR BOTTOM	PEMKO 216AV OR EQUAL
WEATHERSTRIP	PEMKO 306A OR EQUAL

ROOFING
METAL ROOF:
PREFINISHED, UNPENETRATED INTERLOCKING, 26 GAGE MIN. GALVANIZED STEEL ROOF PANELS, MECHANICALLY CRIMPED STANDING SEAM OVER 30 LB. FELT OVER 15/32" APA RATED, EXTERIOR GRADE PLYWOOD. (CLASS "B" FIRE RATING)

INSULATION
1. ALL INSULATION (INCLUDING PIPE INSULATION) SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS, CALIFORNIA BUILDING CODE SEC. 1012 , 1013. & 2606 FOR FOAM. MAX FLAME SPREAD: 25, MAX SMOKE DENSITY: 450
2. CEILING: 6" R-19 FIBERGLASS
3. WALL: 3-1/2" R-11 FIBERGLASS
4. FLOOR: RIGID CELLULAR BOARD (TOTAL FLOOR INSULATION R-11).

IDENTIFICATION
NOTE: THE MANUFACTURER SHALL PLACE TWO PERMANENT METAL IDENTIFICATION TAG ON EACH MODULAR BUILDING MECHANICALLY FASTENED TO THE END WALL. THE TAG SHALL SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S SERIAL NUMBER, PLANT INSPECTOR'S IDENTIFICATION MARK AND DESIGN FLOOR AND ROOF LIVE LOAD. PLACE ONE TAG ON EXTERIOR AND, ONE ON THE INTERIOR ABOVE CEILING LINE.

9 LUMBER NOTES

1. ALL MODULES MAY BE BUILT OPPOSITE HAND FROM THE WAY THEY ARE SHOWN
2. SIDEWALL & ENDWALL ELEVATIONS SHOWN ON SHEET A1 ARE MODULAR NON-BEARING WALLS NOT REQUIRED FOR THE RESISTANCE OF VERTICAL OR LATERAL LOADS.

10 BUILDING AND WALL PANEL OPTIONS

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 105136
AC. FLS SS
DATE 3/16/2006

PC

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-101236
AC. FLS SS
DATE 11/10/09

DESIGN CRITERIA

ROOF: DEAD LOAD - 8.0 PSF
ROOF: LIVE LOAD - 20.0 PSF (SNOW)
FLOOR: DEAD LOAD - 8.0 PSF
FLOOR: LIVE LOAD - 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD - 125.0 PSF
WALLS: DEAD LOAD - 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
q_s=16.4 PSF; C_e=1.06; C_q AS REQ.
SEISMIC: ZONE 4,R=4.5,I_p=2.8,N_a=1.5,C_a=0.44N_a,N_v=2.0,C_v=.64N_v,

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11 APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

PROFESSIONAL ENGINEER
JOHN H. LAWDER
No. 52310
EXP. 3-31-01
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

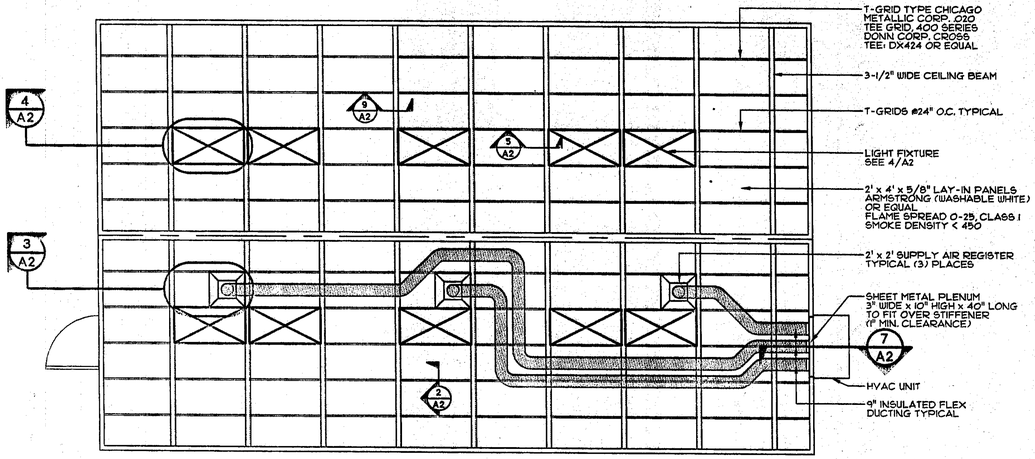
FLOOR PLAN-INTERIOR & EXTERIOR ELEVATIONS - MATERIAL SPECIFICATIONS - NOTES

REVISION DATE:	BY:

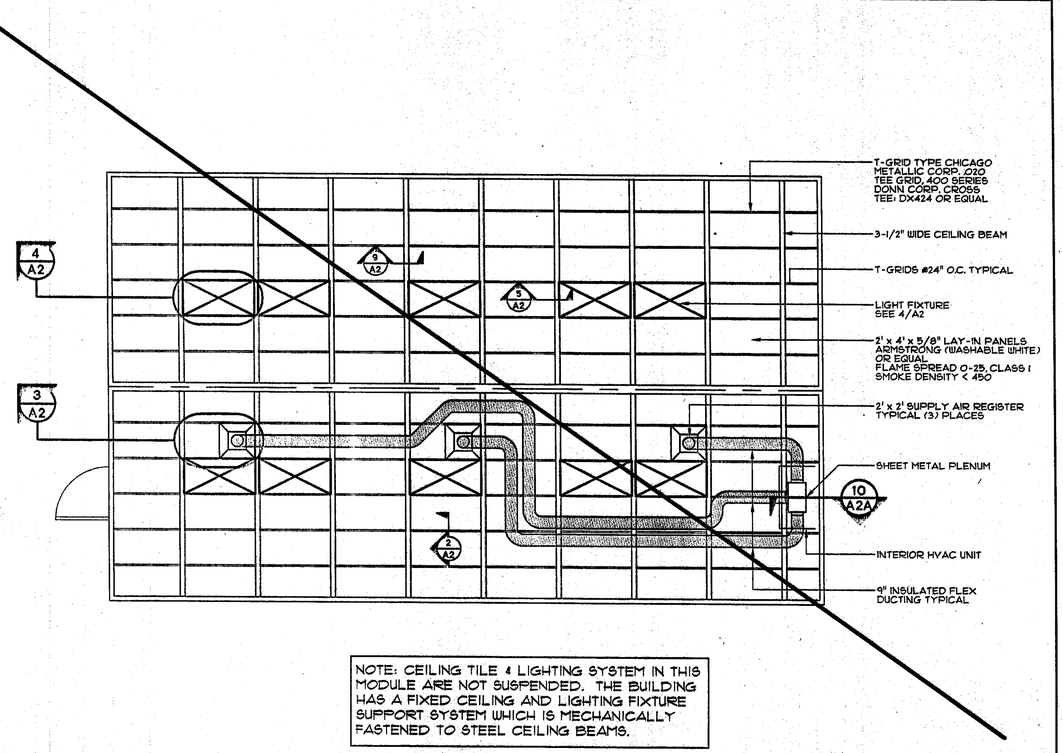
DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A1

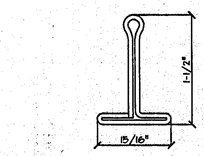


1 | 24' x 40' "EXTERIOR HVAC" MECHANICAL & REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



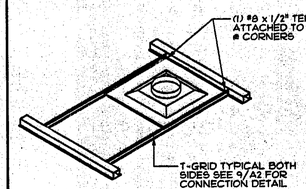
NOTE: CEILING TILE & LIGHTING SYSTEM IN THIS MODULE ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

6 | 24' x 40' "INTERIOR HVAC" MECHANICAL & REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

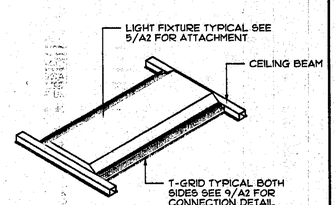


NOTE: T-GRID TO BE DONN CORP. CROSS TEE : DX424 OR CHICAGO METALLIC CORP. .020 TEE GRID, 400 SERIES OR EQUAL.

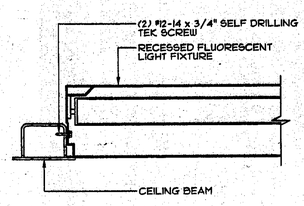
2 | TYPICAL T-GRID
SCALE: FULL



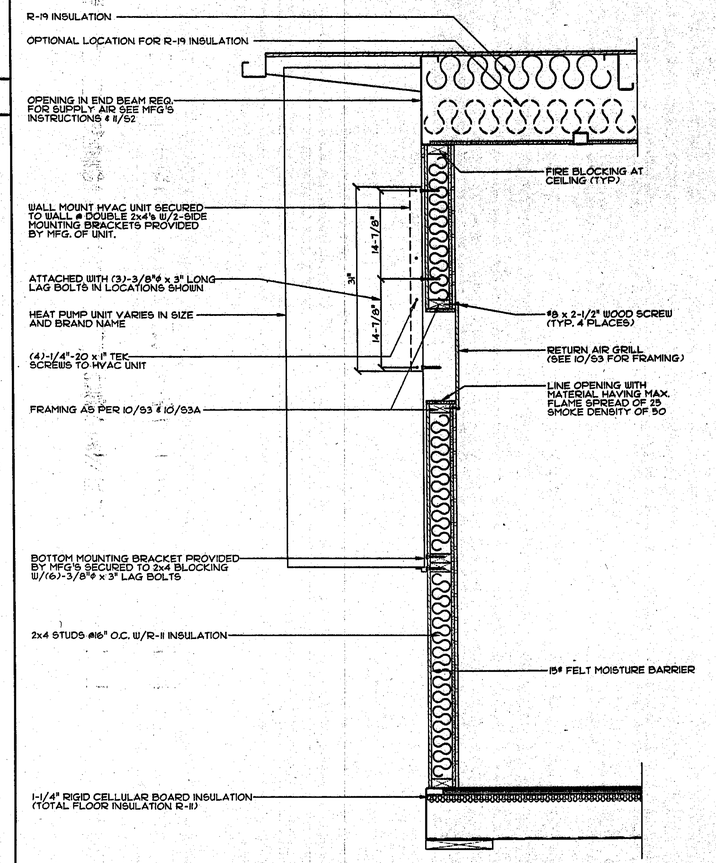
3 | SUPPLY AIR REGISTER
SCALE: 1/2"=1'-0"



4 | DROP-IN LIGHT FIXTURE
SCALE: 1/2"=1'-0"



5 | LIGHT FIXTURE SUPPORT
SCALE: 3"=1'-0"



7 | HVAC @ WALL SECTION
SCALE: 1"=1'-0"

8 | H.V.A.C. SPECIFICATIONS

1. EXTERIOR HEAT PUMP
SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD WH42I-AXXXXXB (OR EQUAL)

WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 39,406 BTU HR (95°F) HEATING 43,000 BTU HR (47°F)
E) WEIGHT: 810# MAX

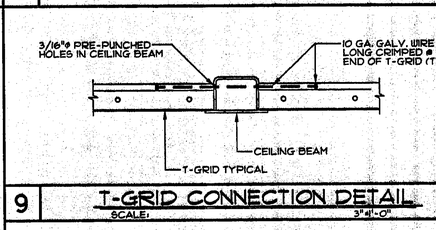
1A. INTERIOR HEAT PUMP
SINGLE PACKAGE FLOOR & WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD GH42I-A05XXXXXX (OR EQUAL)

WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 40,000 BTU HR (95°F) HEATING 38,000 BTU HR (47°F)
E) WEIGHT: 930# MAX

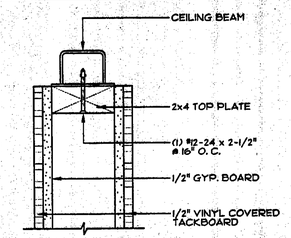
AIR FILTERS:
AN APPROVED TYPE TESTED IN ACCORDANCE WITH TEST METHODS SFM-12-71-A5 SHOWN IN PART 12, TITLE 24, CALIFORNIA CODE OF REGULATIONS. PREFORMED FILTERS HAVING COMBUSTABLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS IN ALL OCCUPANCIES SHALL BE CLASS 2 OR BETTER, AS DEFINED IN THE TEST METHOD ABOVE. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.

2. CONTROLS:
THERMOSTAT: WHITE-ROGERS IF92 DIGITAL (TAMPER PROOF). MAX +80° FROM FLOOR (+48" MAX IF NON-SEALED TYPE).

3. DUCTS: MAY BE CLASS "1" OR "0"
FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARDS NO. 6-1. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE INDENTIFIED BY THE MANUFACTURER WITH A LABLE OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE W/UMC STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THIER LISTING. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDING SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE 50 WHEN TESTED AS A COMPOSITE INSTALL-ATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVE AS NORMALLY APPLIED. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50



9 | T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"



10 | WALL ATTACHMENT DETAIL
SCALE: 3"=1'-0"

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 105136
AC FLC SS
DATE 3/6/2002

PC

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-101236
AC FLS SS
DATE 11/19/99

DESIGN CRITERIA
ROOF: DEAD LOAD – 8.0 PSF
ROOF: LIVE LOAD – 20.0 PSF (SNOW)
FLOOR: DEAD LOAD – 8.0 PSF
FLOOR: LIVE LOAD – 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD – 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD – 125.0 PSF
WALLS: DEAD LOAD – 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=18.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, R=4.5, Ω0=2.8, Nv=1.5, Cv=0.44Nv, Na=2.0, Ca=0.64Na

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11 | APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

717 14TH STREET
(209) 521-1

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. 82310
EXP 3-31-01
STRUCTURAL
CIVIL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

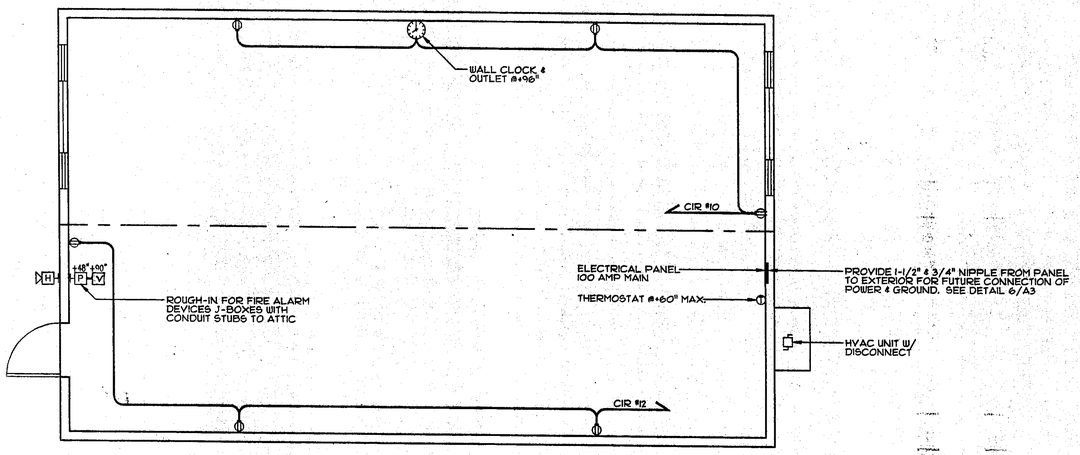
MECHANICAL & REFLECTED CEILING PLANS – HVAC @ WALL SECTION DETAILS – HVAC SPECIFICATIONS

REVISION DATE:	BY:

DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A2



1 24' x 40' ELECTRICAL POWER & SIGNAL PLAN

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

1. FIRE ALARM: FURNISHED BY OWNER AND SHALL CONFORM TO THE CALIFORNIA BUILDING CODE SECTION 305.9 AND CALIFORNIA ELECTRICAL CODE ARTICLE 760.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY D.S.A.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR.

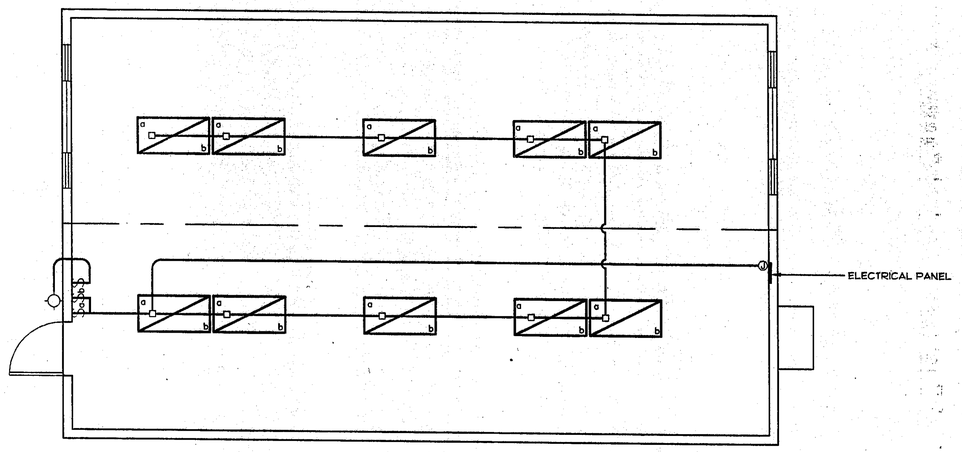
2 FIRE PROTECTION

- DUPLEX RECEPTACLE @+15" MIN. FROM FLOOR
- T — PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. FROM FLOOR SEALED (NON USER OPERABLE)
- WALL CLOCK W/SINGLE CLOCK RECEPTACLE
- J — JUNCTION BOX ABOVE IN CEILING OR WALLS
- HK — WATER PROOF BELL BOX UNDER EAVE @+8'-0"FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION
- P — OUTLET BOX @+48" TO CENTER FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- V — OUTLET BOX @+90" TO CENTER FOR FUTURE FIRE ALARM ~~VISUAL~~ AUDIBLE WARNING DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- I — OUTLET BOX @+48" TO CENTER FOR FUTURE INTERCOM SYSTEM
- EXTERIOR INCONDESCENT LIGHT FIXTURE
- S — LIGHT SWITCH @+48" MAX. TO CENTER FROM FLOOR

1. WALL CLOCK:
   12"ø @+96" FROM FLOOR WITH EAGLE CLOCK RECEPTACLE 115 VAC. R&H INC. OR EQUAL
2. ELECTRICAL PANEL:
   FLUSH MOUNTED W/ HINGED DOORS AND INDEXED CARD HOLDERS CIRCUIT BREAKER(S) WILL HAVE AN APPROPRIATE UL LABEL LISTED.
3. RECEPTACLES:
   LEVITON, HUBBEL OR EQUAL @+15" MIN.
4. LIGHT SWITCHES:
   LEVITON, HUBBEL OR EQUAL @+48" MAX.
5. LIGHTING FIXTURE:
   2' x 4' FLUORESCENT DROP-IN TYPE FIXTURES T-12 WITH 40 WATT LAMPS OR T-8 W/ELECTRONIC BALLAST & 32 WATT LAMPS COPPER, LITHONIA OR EQUAL.
6. ELECTRIC METALLIC TUBING:
   COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
7. CONDUCTORS:
   COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6 TYPE THW FOR LARGER SIZES. MINIMUM SIZE #12. LIGHTING & OUTLETS USE MINIMUM SIZE #12, SIZE HVAC WIRING PER LOAD.
8. SEE SHEET A2 FOR HVAC & THERMOSTAT SPECIFICATION.

3 ELECTRICAL SPECIFICATIONS

1. CERTIFIED LUMINARIES/BALLASTS ~~PER SEC. 2-5314 (b).~~
2. INDEPENDENT CONTROL WITHIN ENCLOSED AREAS ~~PER SEC. 2-5319 (a)~~
3. MANUAL SWITCHING READILY ACCESSIBLE ~~PER SEC. 2-5319 (b).~~
4. REDUCTION OF LIGHTING LOAD TO AT LEAST 50% ~~PER SEC. 2-5319 (c)~~
5. SEPARATE SWITCHING OF DAYLITE AREAS ~~PER SEC. 2-5319 (d)~~
6. TANDEM WIRING OF 4 LAMP LUMINARIES ~~PER SEC. 2-5319 (h).~~



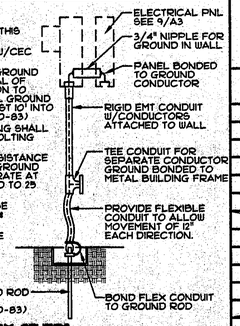
NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

8 24' x 40' ELECTRICAL LIGHTING PLAN

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

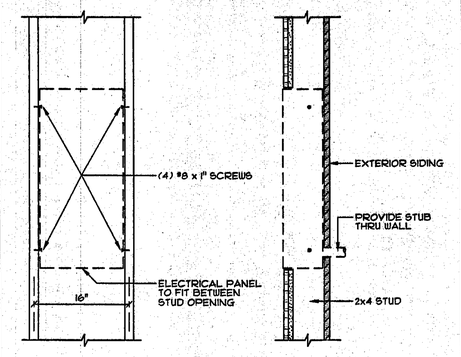
4 ELECTRICAL SYMBOLS

NOTES:
1. METER AND GROUND ARE NOT PART OF THIS CONTRACT TO BE PROVIDED BY OTHERS
2. SIZE OF CONDUCTORS SHALL COMPLY W/CEC TABLE 250-95
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL OF BUILDING FRAME (CEC 250-81) IN ADDITION TO THE DETAIL SHOWN BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (CE.C. 250-81 & 250-83.)
4. ALL MODULES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER, BOLTING ONLY IS NOT ACCEPTABLE BONDING.
5. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/ CONDUCTORS AS SHOWN, SEPARATE AT LEAST 6'0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (C.E.C. 250-84
6. ELECTRICAL GROUNDING TEST SHALL BE WITNESSED BY THE PROJECT INSPECTOR & RESULTS SENT TO D.S.A..
7. GROUND ROD GROUNDING CLAMP TO BE BUSHING RATED FOR 3 CONNECTIONS



NOTE:GROUND TO BE PROVIDED BY OTHERS

6 ELECTRICAL GROUND



9 ELECTRICAL PANEL MTG. DETAIL

SCALE: 1"=1'-0"

5 ELECTRICAL ENERGY COMPLIANCE

PANEL SCHEDULE: "A" NEMA-1 VOLTS: 120/240
MOUNTING: FLUSH AMPS: 100 WIRE: 3W
INTERIOR PHASE: 1ø

DESCRIPTION	LOAD	BRKR				BRKR	LOAD	DESCRIPTION
MAIN		100/2	1		2			
			3		4			
HVAC UNIT	7612	50/2	5		6	20/1	1440	LIGHTING-A
			7		8	20/1	1440	LIGHTING-B
			9		10	20/1	1800	OUTLETS
			11		12	20/1	1800	OUTLETS
			13		14			
			15		16			
			17		18			
			19		20			
			21		22			
			23		24			
	7.6	KVA		TOTAL		6.4		

7 PANEL SCHEDULE "A"

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 105136
AC ✓ FLS ~~NA~~ SS ✓
DATE 8/14/2003

PC

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-101236
AC ✓ FLS ✓ SS 1623
DATE 11/19/04

DESIGN CRITERIA

ROOF: DEAD LOAD = 8.0 PSF
ROOF: LIVE LOAD = 20.0 PSF (SNOW)

FLOOR: DEAD LOAD = 8.0 PSF
FLOOR: LIVE LOAD = 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 125.0 PSF

WALLS: DEAD LOAD = 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4,R=4.5,C_a=0.8N_a,I_s=1.5,C_s=0.44N_a,N_v=2.0,C_s=.64N_v,

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10 APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

JH 4 SI
777 16TH STREET
(209) 521- 114

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
No. 52310
Exp. 3-31-01
STRUCTURAL
CIVIL
STATE OF CALIFORNIA

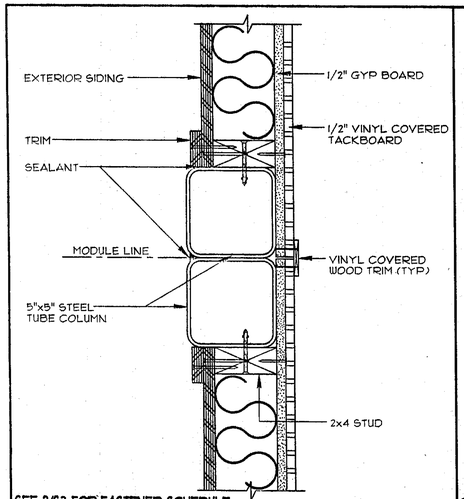
ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

ELECTRICAL POWER & SIGNAL PLAN
ELECTRICAL LIGHTING PLAN
DETAILS-ELECTRICAL NOTES

REVISION DATE:	BY:
DATE:	

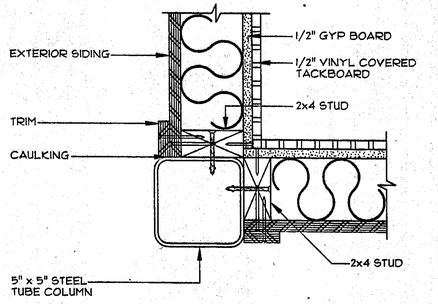
THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A3



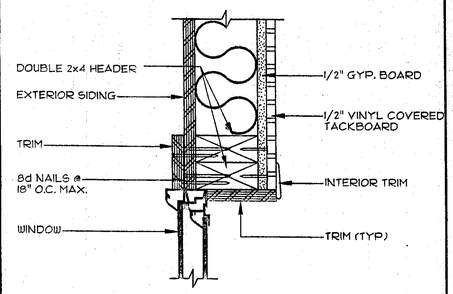
SEE 2/83 FOR FASTENER SCHEDULE

1 COLUMN SECTION AT MOD-LINE
SCALE: 3"=1'-0"

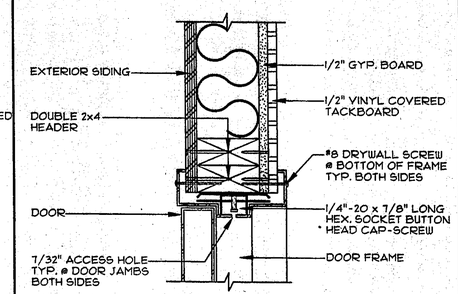


SEE 2/83 FOR FASTENER SCHEDULE

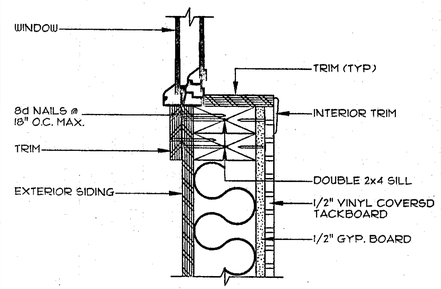
2 COLUMN SECTION @ CORNER
SCALE: 3"=1'-0"



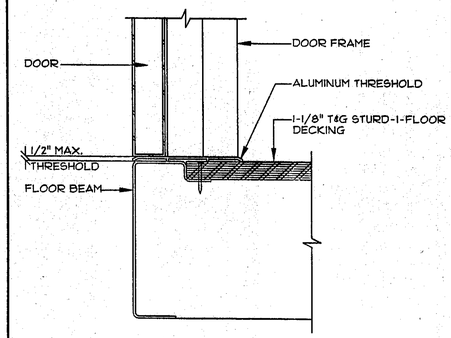
3 WINDOW HEADER (JAMB SIM'L)
SCALE: 3"=1'-0"



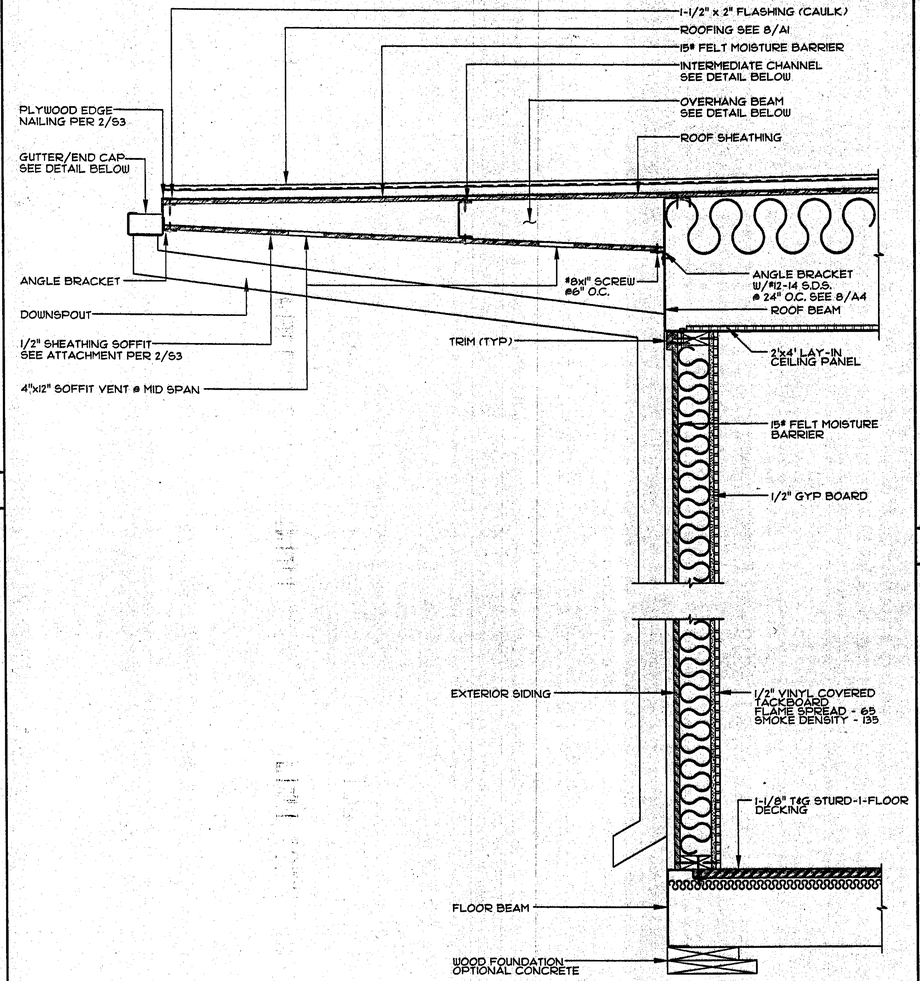
4 DOOR HEAD (JAMB SIM'L)
SCALE: 3"=1'-0"



5 WINDOW SILL
SCALE: 3"=1'-0"

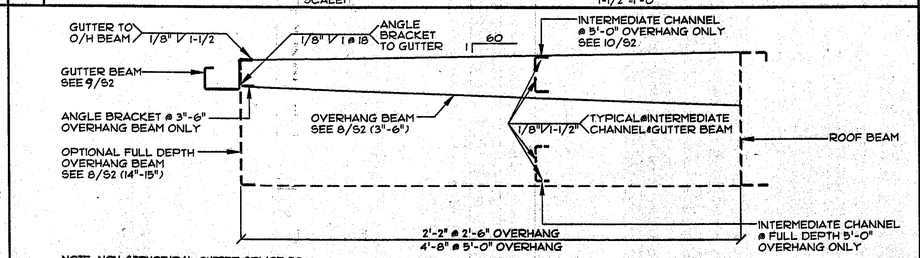


6 DOOR SILL
SCALE: 3" = 1'-0"



SEE 2/83 FOR FASTENER SCHEDULE

7 WALL SECTION- FRONT AND REAR
SCALE: 1-1/2"=1'-0"



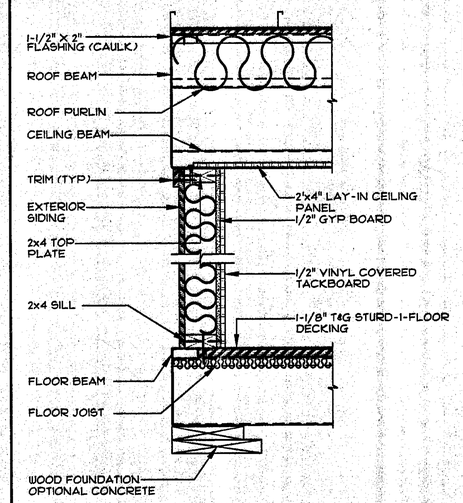
OVERHANG BEAM
SCALE: 1-1/2"=1'-0"

GUTTER SPLICE SECTION @ MOD-LINE
SCALE: 3"=1'-0"

ANGLE BRACKET
SCALE: 3"=1'-0"

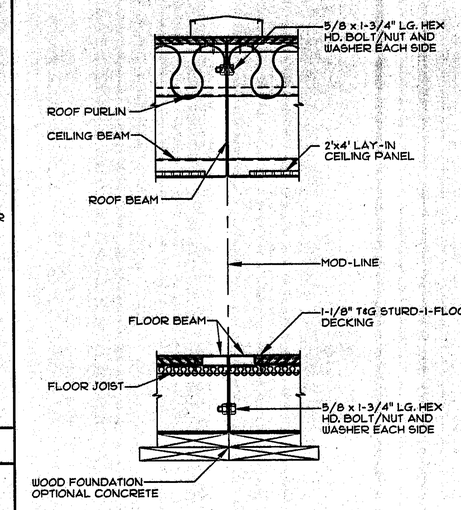
GUTTER END CAP
SCALE: 3"=1'-0"

8 OVERHANG SECTION & GUTTER DETAILS
SCALE: AS NOTED



SEE 2/83 FOR FASTENER SCHEDULE

9 WALL SECTION- SIDE
SCALE: 1-1/2" = 1'-0"



SEE 2/83 FOR FASTENER SCHEDULE

10 WALL SECTION AT MOD-LINE
SCALE: 1-1/2"=1'-0"

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 105136
AC FLS SS
DATE 2/7/02

PC

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-101236
AC FLS SS
DATE 11/19/01

DESIGN CRITERIA

ROOF: DEAD LOAD = 8.0 PSF
ROOF: LIVE LOAD = 20.0 PSF (SNOW)

FLOOR: DEAD LOAD = 8.0 PSF
FLOOR: LIVE LOAD = 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 125.0 PSF

WALLS: DEAD LOAD = 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Cn=1.06; Cq AS REQ.
SEISMIC: ZONE 4,R=4.5,Ω_0=2.8,N_a=1.5,C_a=0.44N_a,N_v=2.0,C_v=.64N_v

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11 APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

J. SHAH
717 16TH STREET
(209) 521-1140

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER LAWDER
NO. 52310
EXP. 3-31-01
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

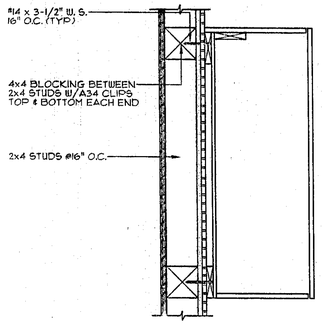
SECTIONS AND DETAILS

REVISION DATE:	BY:

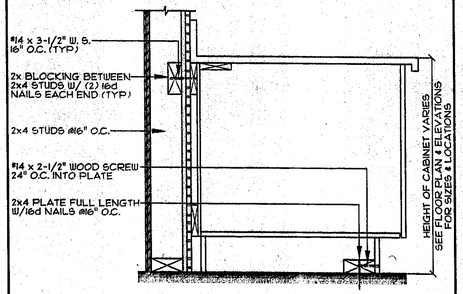
DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

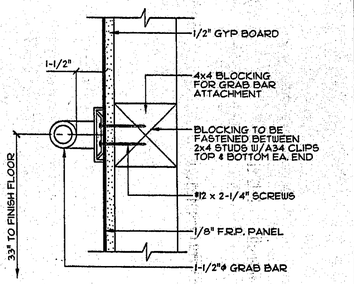
A4



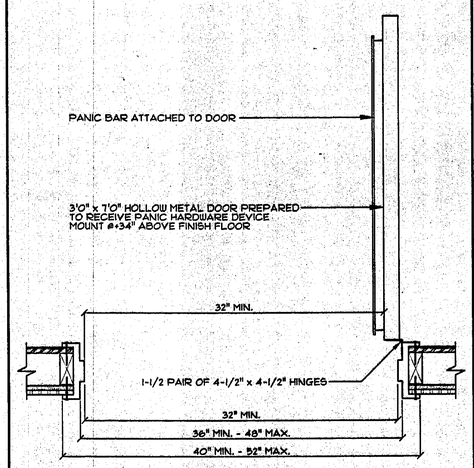
1 UPPER CABINET BLOCKING DETAIL
SCALE: 1-1/2"=1'-0"



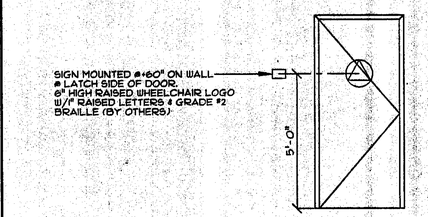
2 BASE CABINET BLOCKING DETAIL
SCALE: 1-1/2"=1'-0"



3 GRAB BAR BLOCKING DETAIL
SCALE: 1-1/2"=1'-0"



4 PANIC HARDWARE DETAIL
SCALE: 1-1/2"=1'-0"

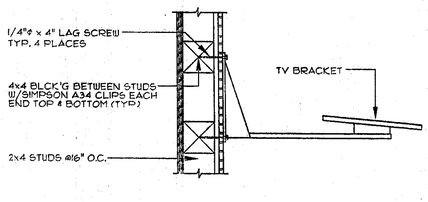


NOTE:
DOOR LEADING INTO A UNISEX FACILITY SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK AND 12" IN DIAMETER WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12" DIAMETER. THE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60" AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR. (C.B.C. SECTION 1115B.8)

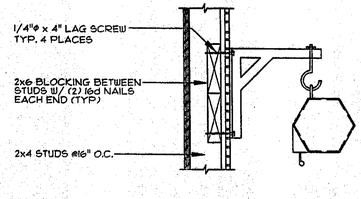
or

THE DOOR LEADING INTO BOY'S FACILITY SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4" THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. THE DOOR LEADING INTO GIRL'S FACILITY SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK AND 12" IN DIAMETER. THE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60" AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR. (C.B.C. SECTION 1115B.8)

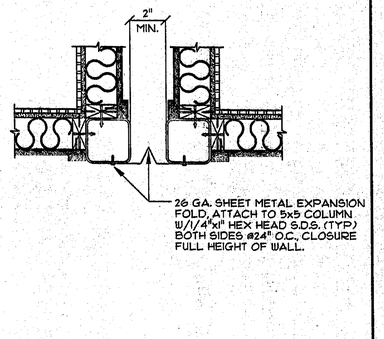
5 RESTROOM DOOR SIGNAGE DETAIL
SCALE: 1/4"=1'-0"



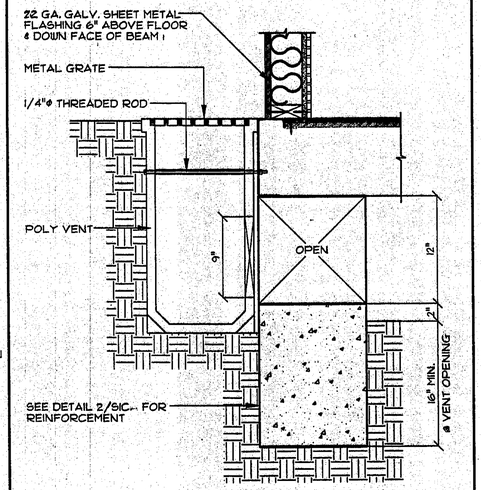
6 TV BRACKET BLOCKING DETAIL
SCALE: 1-1/2"=1'-0"



7 PROJECTOR SCREEN BLOCKING DETAIL
SCALE: 1-1/2"=1'-0"



8 CLOSURE PANEL DETAIL
SCALE: 1-1/2"=1'-0"



9 POLYVENT DETAIL
SCALE: 1-1/2"=1'-0"

10

11

12

13

15

16 APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215
717 14TH STREET (209) 521-11

REGISTERED PROFESSIONAL ENGINEER
GARY H. LAWDER
NO. 22310
EXP 3-31-01
STRUCTURAL
STATE OF CALIFORNIA
3 of 3

DETAILS

DIVISION OF THE STATE ARCHITECT — OFFICE OF REGULATION SERVICES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 105136
AC ✓ FLS BH SS ✓
DATE 9/27/02

PC

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-101236
AC ✓ FLS ✓ SS 1/24
DATE 11/14/02

DESIGN CRITERIA

ROOF: DEAD LOAD = 10.0 PSF
ROOF: LIVE LOAD = 20.0 PSF (SNOW)

FLOOR: DEAD LOAD = 8.0 PSF
(CLASSROOM) 1st & 2nd FLOOR: LIVE LOAD= 50.0 PSF
(OFFICE) 1st & 2nd FLOOR: LIVE LOAD= 70.0 PSF
(OPTIONAL 1ST FLR) FLOOR: LIVE LOAD= 125.0 PSF

WALLS: DEAD LOAD = 9.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce & Cq AS REQ.
SEISMIC: ZONE 4, R_W=4.5, N_2=1.5, N_v=2.0, C_2=0.44N_2, C_v=.64N_v, Ω=2.8

REVISION DATE:	BY:
DATE:	

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION.

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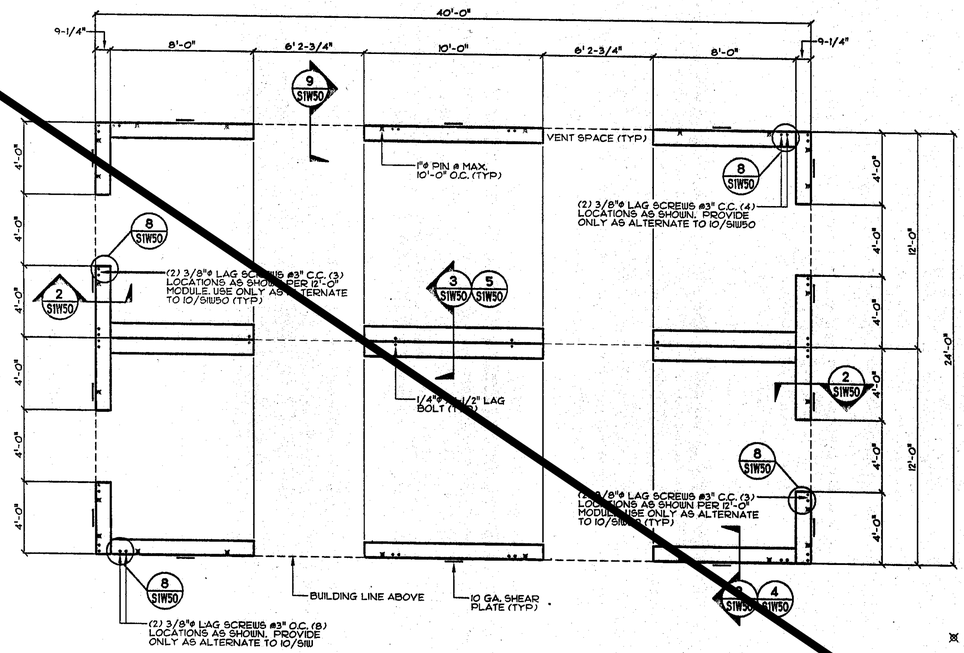
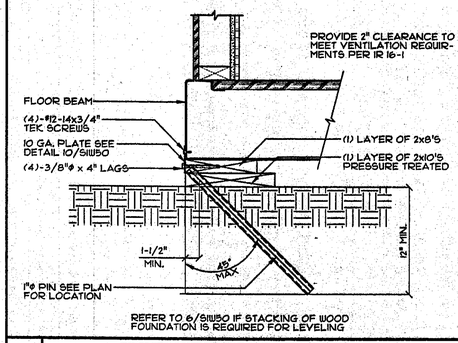
A5



1 **24' x 40' "50 P.S.F." WOOD FOUNDATION PLAN**
SCALE: 1/4"=1'-0"

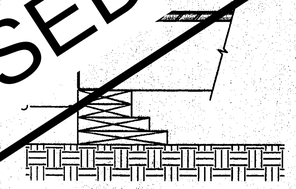
1. BOTTOM LAYER OF PIERS SHALL BE PRESSURE TREATED HEM FIR NO. 3 OR BETTER. FOUNDATION GRADE WOOD IN CONTACT WITH SOIL SHALL BE PRESERVATIVE TREATED & SHALL BE STAMPED " FOR GROUND CONTACT". PRESERVATIVE TREATED MATERIAL SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING, "THE MATERIAL IN THIS UNIT WAS TREATED PER UNIFORM BUILDING CODE, SECTION 2303A.3". EACH PIECE PRESSURE TREATED MATERIAL SHALL BE STAMPED WITH THE APPROPRIATE STAMP.
2. ALL NAILS SHALL BE CORROSIVE RESISTANT NAILS IN ACCORDANCE WITH SECTION 2318A3.4 C.B.C. HDG W/MIN 1.0 OZ/ SQ. FT. ZINC
3. SHIM PIERS AS REQUIRED WITH APA RATED PLYWOOD MADE WITH EXTERIOR GLUE. SHIMS SHALL BE CONTINUOUS ACROSS LENGTH OF PIERS AS FIELD CONDITIONS ALLOW. PLYWOOD SHIMS SHALL NOT BE IN DIRECT CONTACT WITH THE SOIL.
4. SOIL BEARING PRESSURE IS ASSUMED AT 1,000 P.S.F.
5. FOUNDATION SHOWN ON (2) LAYERS OF WOOD. ANY ADDITIONAL LAYERS OF WOOD ARE TO BE STACKED AS PER STACKING DETAILS 4/S1W50, 5/S1W50 & 6/S1W50
6. VENTILATION TO MEET REQUIRMENTS PER IR 16-1. PROVIDE MIN. 6.4 SQ. FT. OF VENT SPACE. (PROVIDE 2" MIN. CLR.)

WOOD NOTES



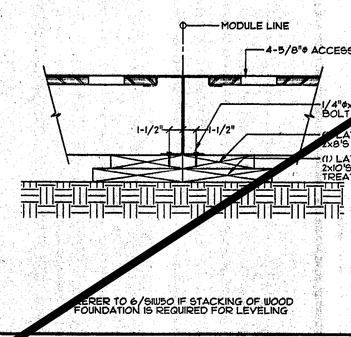
REFER TO 6/S1W50 IF STACKING OF WOOD FOUNDATION IS REQUIRED FOR LEVELING

2 **PERIMETER PIER DETAIL**
SCALE: 1-1/2"=1'-0"



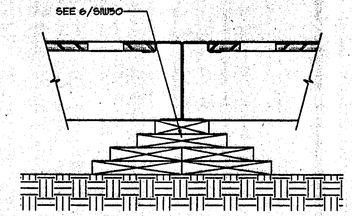
NOTE: THIS DETAIL FOR REFERENCE ONLY SEE DETAIL 6/S1W50 FOR NAILING DETAIL
SEE 2/S1W50 U.O.N.

4 **PERIMETER PIER STACKING DETAIL**
SCALE: 1-1/2"=1'-0"



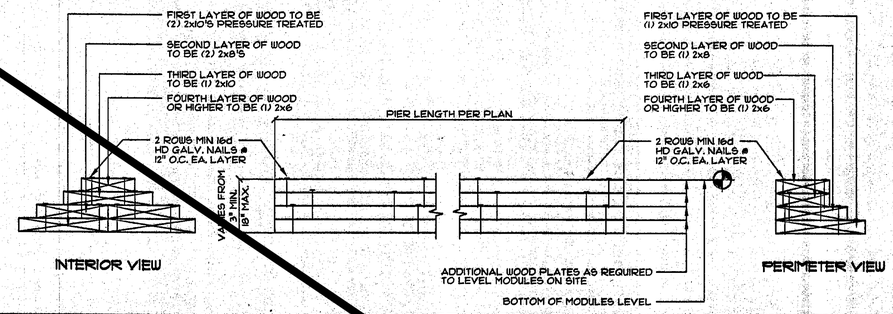
REFER TO 6/S1W50 IF STACKING OF WOOD FOUNDATION IS REQUIRED FOR LEVELING

3 **INTERIOR PIER DETAIL**
SCALE: 1-1/2"=1'-0"

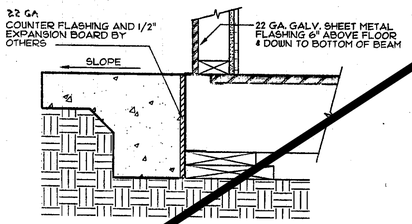


NOTE: THIS DETAIL FOR REFERENCE ONLY SEE DETAIL 6/S1W50 FOR NAILING DETAIL
SEE 3/S1W50 U.O.N. FOR INTERNAILING

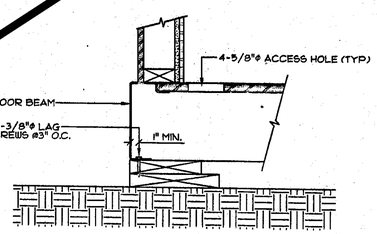
5 **INTERIOR PIER STACKING DETAIL**
SCALE: 1-1/2"=1'-0"



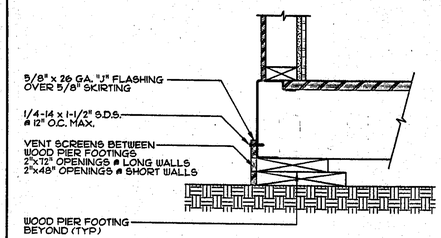
6 **INTERNAILING OF WOOD PIERS**
SCALE: 1-1/2"=1'-0"



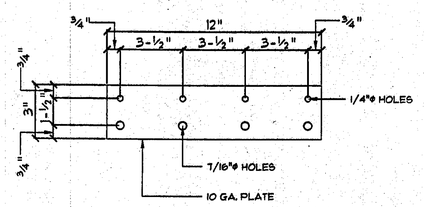
7 **PERIMETER FLASHING DETAIL**
SCALE: 1-1/2"=1'-0"



8 **ALTERNATE PERIMETER DETAIL**
SCALE: 1-1/2"=1'-0"



9 **PERIMETER SKIRTING DETAIL**
SCALE: 1-1/2"=1'-0"



10 **SHEAR PLATE**
SCALE: 3"=1'-0"

11 **APPROVAL**

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 103136
AC. FLS SS
DATE 3/7/2022

PC

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-101236
AC. FLS SS
DATE 11/14/22

DESIGN CRITERIA

ROOF: DEAD LOAD = 8.0 PSF
ROOF: LIVE LOAD = 20.0 PSF (SNOW)

FLOOR: DEAD LOAD = 8.0 PSF
FLOOR: LIVE LOAD = 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 75.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 100.0 PSF

WALLS: DEAD LOAD = 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Cn=1.06; Cq AS REQ.
SEISMIC: ZONE 4, R=4.5, Ωo=2.8, Ie=1.5, Cs=0.44Ie, Ie=2.0, Cs=.84Ie

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

JH Structural
777 18TH STREET
(209) 521-1143

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. 52310
EXP 3-31-01
STRUCTURAL
STATE OF CALIFORNIA
3/1/03

NOT USED

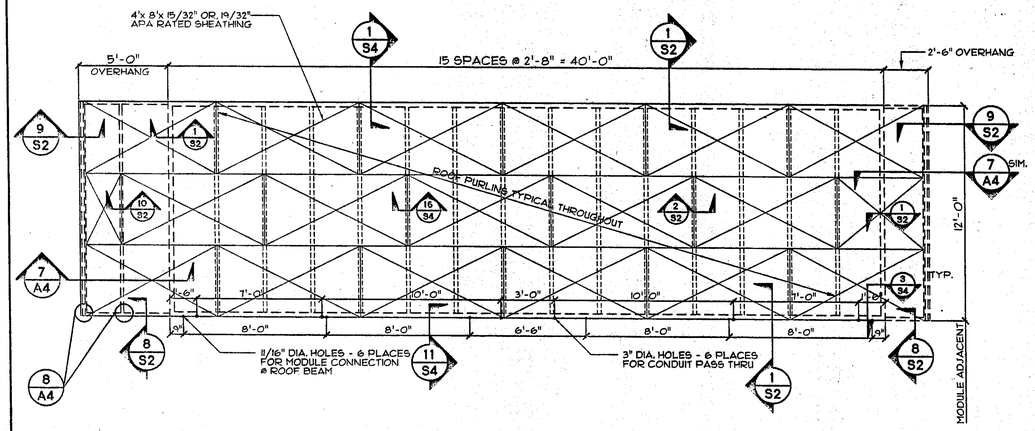
ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

50 P.S.F. WOOD FOUNDATION PLAN
FOOTING DETAILS – NOTES

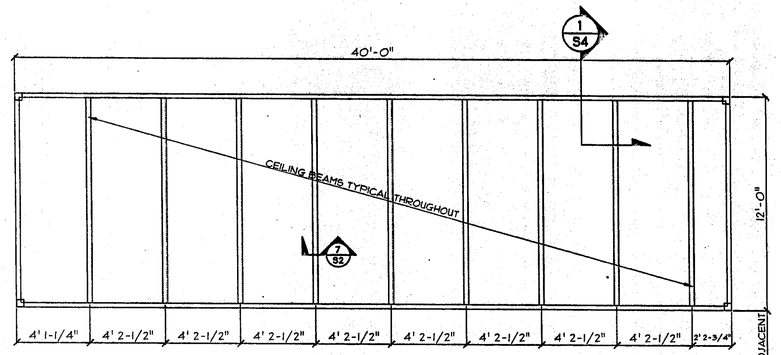
REVISION DATE:	BY:
DATE:	

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER & PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT – FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

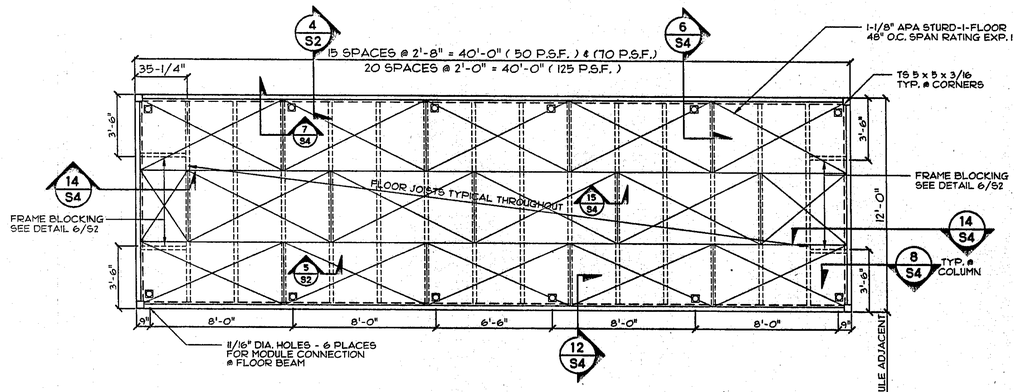
S1W50



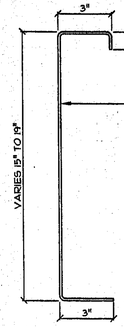
13 ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



14 CEILING FRAMING PLAN
SCALE: 1/4"=1'-0"

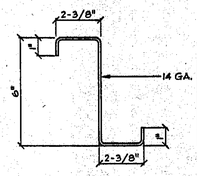


15 FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"



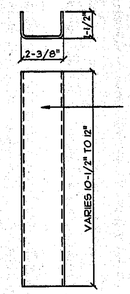
EFFECTIVE SECTION PROPERTIES		
	15"	19"
A	2.87 in^2	3.41 in^2
Ix min.	83.6 in^4	151 in^4
Sx min.	9.99 in^3	14.5 in^3

1 ROOF BEAM SECTION
SCALE: 3"=1'-0"

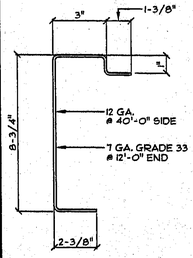


EFFECTIVE SECTION PROPERTIES	
A	.92 in^2
Ix min.	.511 in^4
Sx min.	1.70 in^3

2 ROOF PURLIN SECTION
SCALE: 3"=1'-0"

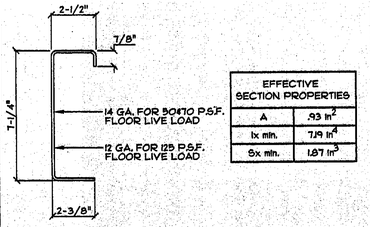


3 ROOF BEAM STIFFENER
SCALE: 3"=1'-0"



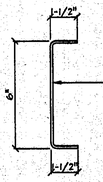
EFFECTIVE SECTION PROPERTIES		
A	1.49 in^2	2.54 in^2
Ix min.	16.2 in^4	27.6 in^4
Sx min.	3.44 in^3	5.86 in^3
GA.	12	7

4 FLOOR BEAM SECTION
SCALE: 3"=1'-0"



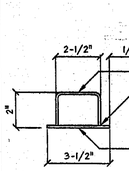
EFFECTIVE SECTION PROPERTIES		
A	.93 in^2	1.87 in^2
Ix min.	7.19 in^4	14.5 in^4
Sx min.	1.87 in^3	3.63 in^3

5 FLOOR JOIST SECTION
SCALE: 3"=1'-0"



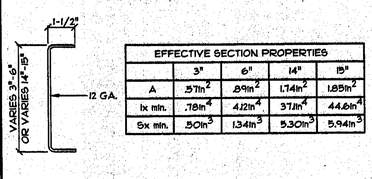
EFFECTIVE SECTION PROPERTIES	
A	.89in^2
Ix min.	.412in^4
Sx min.	1.34in^3

6 FRAME BLOCKING SECTION
SCALE: 3"=1'-0"



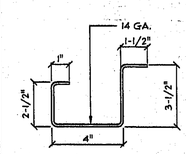
EFFECTIVE SECTION PROPERTIES	
A	1.11 in^2
Ix min.	.79 in^4
Iy min.	1.16 in^4
Sx min.	.63 in^3
Sy min.	.66 in^3

7 CEILING BEAM SECTION
SCALE: 3"=1'-0"



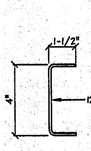
EFFECTIVE SECTION PROPERTIES				
	3"	6"	14"	19"
A	.571in^2	.891in^2	1.741in^2	1.851in^2
Ix min.	.781in^4	4.121in^4	37.1in^4	44.61in^4
Sx min.	.501in^3	1.341in^3	5.301in^3	5.941in^3

8 OVERHANG BEAM
SCALE: 3"=1'-0"



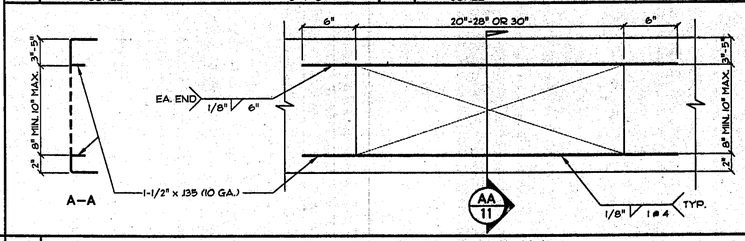
EFFECTIVE SECTION PROPERTIES	
A	.871in^2
Ix min.	1.181in^4
Sx min.	.691in^3

9 GUTTER BEAM SECTION
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES	
A	.691in^2
Ix min.	1.581in^4
Sx min.	.791in^3

10 INTERMEDIATE CHANNELS
SCALE: 3"=1'-0"



11 HVAC HOLE @ ROOF BEAM
SCALE: 1-1/2"=1'-0"

STEEL SPECIFICATION

1. ALL STRUCTURAL STEEL SHALL BE ASTM A570 GRADE 36, UNLESS OTHERWISE NOTED
2. STRUCTURAL STEEL TUBING SHALL BE ASTM A500 GRADE B Fy=46
3. HIGH STRENGTH BOLTS SHALL BE ASTM A325.
4. ALL MACHINE BOLTS SHALL BE ASTM A307.
5. WELDING SHALL BE DONE PER C.B.C. SECTION 2205A10 & AWS D 1.1 #D1.3.
6. WELDING INSPECTION TO BE PER C.B.C. SECTION 223A.5
7. SEE TESTS AND INSPECTIONS REPORT SHEET A0 FOR REQUIREMENTS.
7. LIGHT GAGE METAL & FRAMING THICKNESSES

GAGE	DESIGN THICKNESS	MIN. DELIVERED THICKNESS
7 GA. STEEL	.1793"	.170"
10 GA. STEEL	.1345"	.128"
12 GA. STEEL	.1046"	.0994"
14 GA. STEEL	.0747"	.0710"

8. MINIMUM STEEL THICKNESS SHALL NOT BE LESS THAN 95% OF THE DESIGN THICKNESS
9. PER C.B.C. SECTION 2217A

SHEATHING / PLYWOOD SPECIFICATION

1. ALL STRUCTURAL PLYWOOD SHALL BE MANUFACTURED TO C.B.C. STANDARD 23-2 (BASED ON PRODUCT STANDARD PS1-95) AND INSPECTED AND GRADE MARKED AT THE MILL BY AN APPROVED QUALITY CONTROL AGENCY SUCH AS APA OR TECO.
2. ROOF SHEATHING SHALL BE 4'x 8'x 15/32" GRADE MARKED 32/16 SPAN INDEX, EXP. 1 OR 19/32" GRADE MARKED 40/20 SPAN INDEX, EXP.1.
3. FLOOR SHEATHING SHALL BE 4'x 8'x 1-1/8" T & G APA RATED UNDERLAYMENT GRADE DOUGLAS FIR GROUP 1 STURD-I-FLOOR, SPAN RATING = 48".
4. WALL SHEATHING SHALL BE 3/8" MASONITE HARDBOARD SIDING APA EXTERIOR TYPE 303 GROUP II M.D.O., EXTERIOR GROUP II OR OPTIONAL 5/8" T1-11 APA EXTERIOR SIDING.
5. SEE 2/S3 FOR FASTENER SCHEDULE

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 105136
AC RS FLS SS
DATE 8/4/2022

PC

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-101236
AC RS SS
DATE 11/19/21

DESIGN CRITERIA

ROOF: DEAD LOAD = 8.0 PSF
ROOF: LIVE LOAD = 20.0 PSF (SNOW)

FLOOR: DEAD LOAD = 8.0 PSF
FLOOR: LIVE LOAD = 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 125.0 PSF

WALLS: DEAD LOAD = 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Cn=1.08; Cq AS REQ.
SEISMIC: ZONE 4, R_I=4.5, Ω_0=2.8, N_a=1.5, C_a=0.44N_a, N_v=2.0, C_v=.64N_v

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12 APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. 52310
EXP. 3-31-01
STRUCTURAL
STATE OF CALIFORNIA
513163

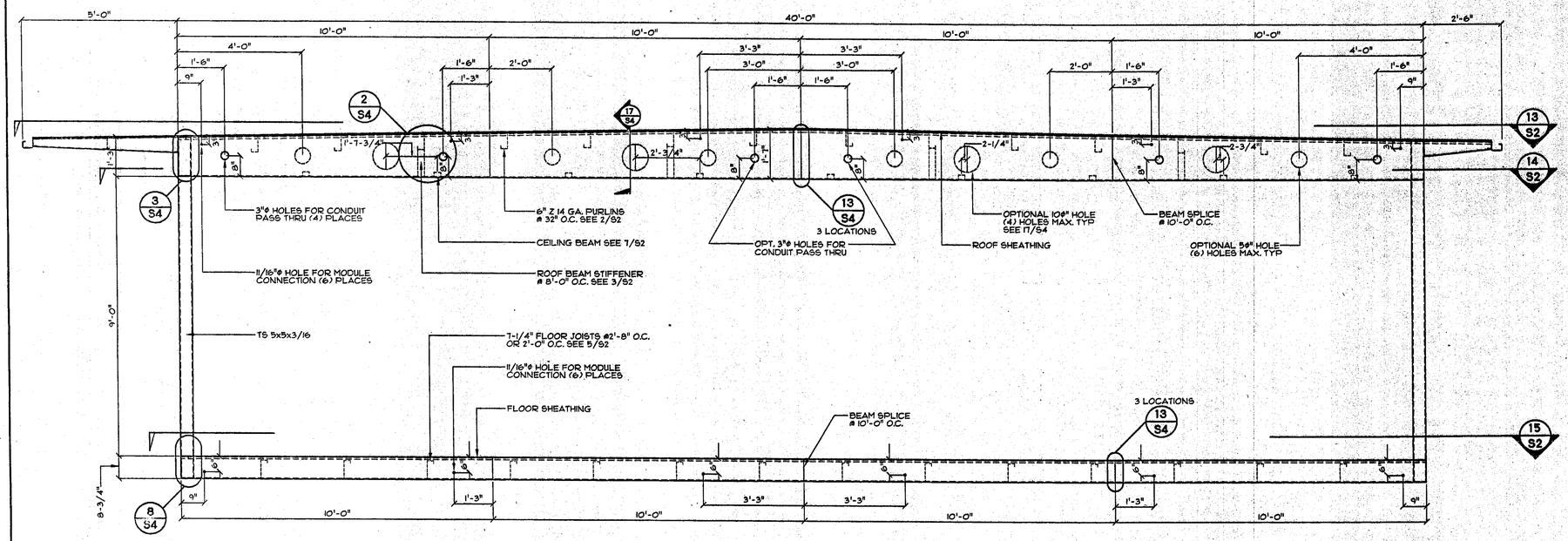
ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215
(209) 521-1177

ROOF-CEILING-FLOOR FRAMING PLANS
STRUCTURAL STEEL
PROPERTIES - NOTES

REVISION DATE:	BY:
DATE:	

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

S2



1 LONGITUDINAL TAPPERED ROOF BUILDING SECTION

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

WALL TO FRAME FASTENING

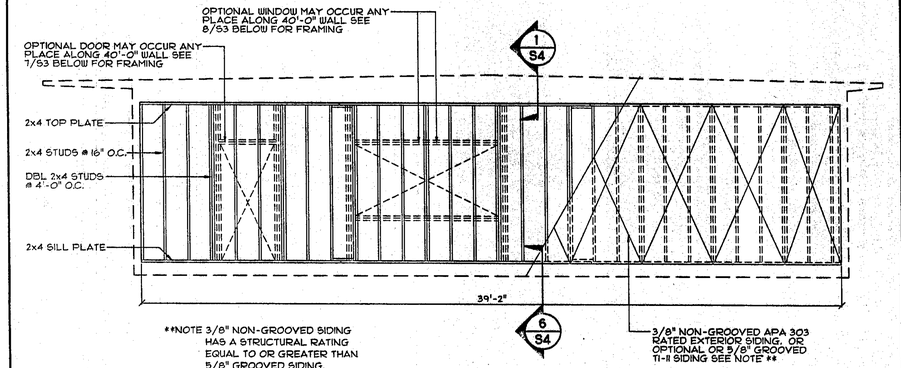
WALL PANEL TOP PLATE TO 3" x 19"-19# PERIMETER ROOF BEAM.	(1)-1/4"ø x 2" LAG SCEWS TO PENETRATE THRU ROOF BEAM AND TOP PLATE @ 19" O.C. MAX.
WALL PANEL BOTTOM PLATE TO FLOOR BEAM.	(1)-.135 x 3-1/4" @ 8" O.C. THRU BOTTOM PLATE & 1-1/8" FLOOR & TO PENETRATE FLOOR BEAM.
WALL PANEL SIDE STUDS TO TS 5x5x3/16 COLUMNS	#12-24 x 2-1/2" S.D.S. @ 16" O.C. THRU SIDE STUD TO PENETRATE THRU STEEL COLUMN.
TOP AND BOTTOM PLATE TO STUDS AND KING STUDS	(2) .135 x 3-1/4" LONG MACHINE NAIL
DOUBLE STUDS, TRIMMERS, SILLS AND CRIPPLES FACE NAILED	(1) .135 x 3-1/4" LONG MACHINE NAILS @12" O.C.
CRIPPLES, TRIMMERS END NAILED TO PLATES AND SILLS.	(2) .135 x 3-1/4" LONG MACHINE NAIL EA. END
CRIPPLES, TRIMMERS NAILED TO HEADERS.	(2) .135 x 3-1/4" LONG MACHINE NAIL
ALL HANGERS, STRAPS, CLIPS ETC.	TO BE NAILED AS PER MANUFACTURERS SPECIFICATIONS

SHEATHING / PLYWOOD NAILING & NOTES

1. DO NOT CRUSH PLYWOOD FACE PLY (OUTER VENEER LAYER) BY OVER DRIVING SCREWS, MACHINE OR HAND NAILS.
2. UNDER DRIVEN NAILS SHALL BE CORRECTED BY HAND SET.
3. REMOVE AND REPLACE NAILS DRIVEN THAT MISS THE FRAMING OR SUPPORT.
4. ALL CORRECTIVE NAILING SHALL BE DONE BY HAND NAILING.
5. H.D.G.# HOT DIPPED GALVANIZED WITH MINIMUM COATING OF 1 OZ PER SQ. F.T OF ZINC.

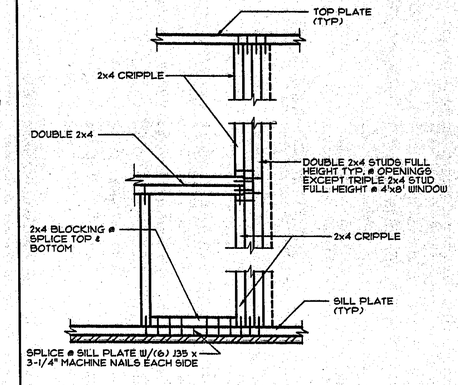
FLOOR		
1-1/8" APA RATED T&G STURDI-FLOOR TO BEAM & JOISTS	SHEET EDGES @ BEAM & JOIST	144 x 1-3/4" PIN @ 6" O.C.
	FIELD @ JOIST	144 x 1-3/4" PIN @ 10" O.C. (ICBO 4144)
ROOF		
15/32" APA RATED PLYWOOD TO PURLINS & BEAMS (OPT. 19/32" PLYWOOD ROOF)	SHEET EDGES @ BEAM & PURLIN	144 x 1-1/4" PIN @ 6" O.C.
	FIELD @ PURLIN	144 x 1-1/4" PIN @ 12" O.C. (ICBO 4144)
SIDING		
3/8" EXTERIOR SIDING TO 2x4 STUDS	SHEET EDGES	13# x 2-1/2" @ 6" O.C. H.D.G. NAILS
	FIELD	13# x 2-1/2" @ 12" O.C. H.D.G. NAILS
DRYWALL		
1/2" GYP. BOARD TO 2x4 STUDS	SHEET EDGES	121 x 1-1/2" COATED NAILS @ 6" O.C.
	FIELD	121 x 1-1/2" COATED NAILS @ 8" O.C.
OVERHANG SOFFIT		
1/2" APA RATED SHEATHING	SHEET EDGES	#8 x 1" WOOD SCREW @ 6" O.C.
	FIELD	#8 x 1" WOOD SCREW @ 12" O.C.

2 NAILING SCHEDULE



3 WALL FRAMING ELEVATION @ 40'-0" SIDE

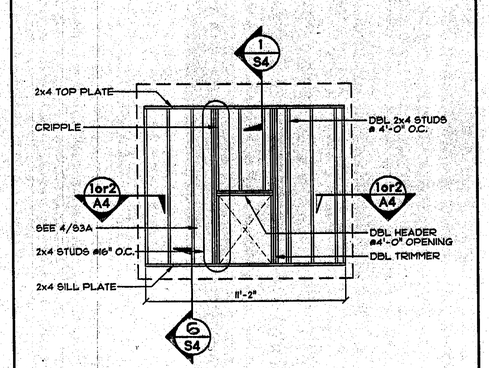
SCALE: 1/4"=1'-0"



NOTE: SEE 2/S3 NAILING SCHEDULE

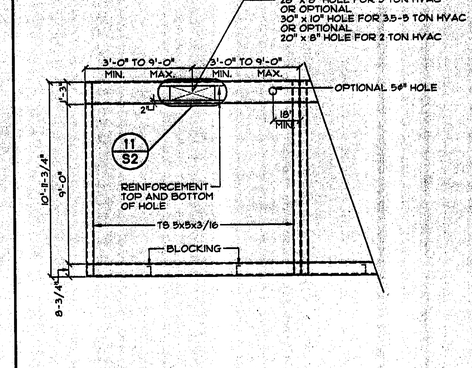
4 NAILING DETAIL

SCALE: 1"=1'-0"



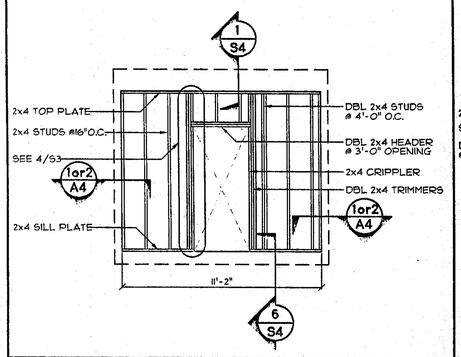
5 INTERIOR HVAC WALL FRAMING

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



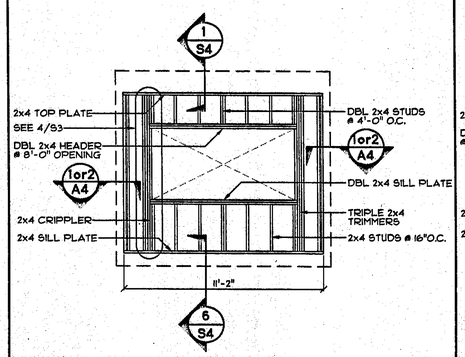
6 END FRAME ELEVATION

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



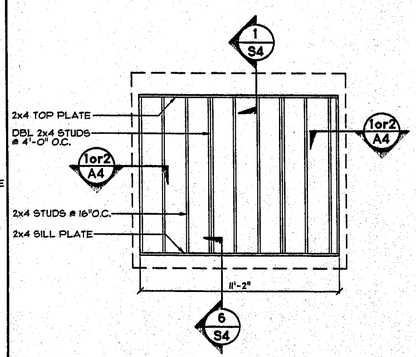
7 DOOR WALL FRAMING

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



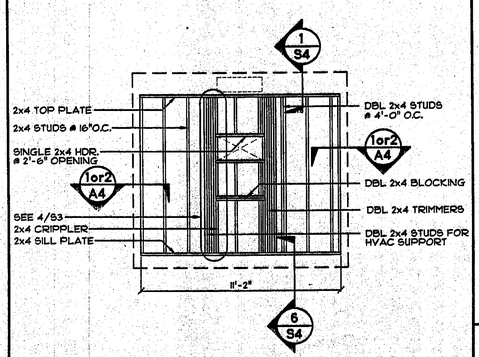
8 WINDOW WALL FRAMING

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



9 WALL FRAMING @ 12'-0" WALL

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



10 HVAC WALL FRAMING - DUCTED

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

11 APPROVALS

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 02 105136 AC FLS SS DATE 3/16/2022

PC

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 02-101236 AC PLS SS DATE 11/19/99

DESIGN CRITERIA

ROOF: DEAD LOAD = 8.0 PSF
ROOF: LIVE LOAD = 20.0 PSF (SNOW)
FLOOR: DEAD LOAD = 8.0 PSF
FLOOR: LIVE LOAD = 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD = 125.0 PSF
WALLS: DEAD LOAD = 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, R=4.5, Ω0=2.8, Nv=1.5, Cv=0.44Nv, Na=2.0, Ca=0.84Na

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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-120131 INC: A REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 05/09/2022

JOHN R. LAWDER
777 18TH STREET
(209) 521-1147

PROFESSIONAL ENGINEER JOHN R. LAWDER NO. 53310 EXP 3-31-01 STRUCTURAL STATE OF CALIFORNIA

5/31/07

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

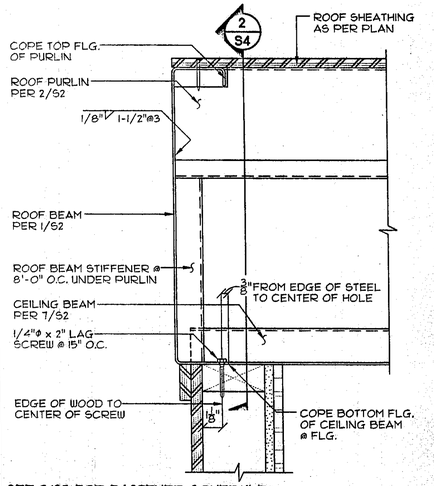
LONGITUDINAL BUILDING SECTION
WALL FRAMING ELEVATIONS-END
FRAME ELEVATION-NAIL SCHEDULE

REVISION DATE:	BY:

DATE:

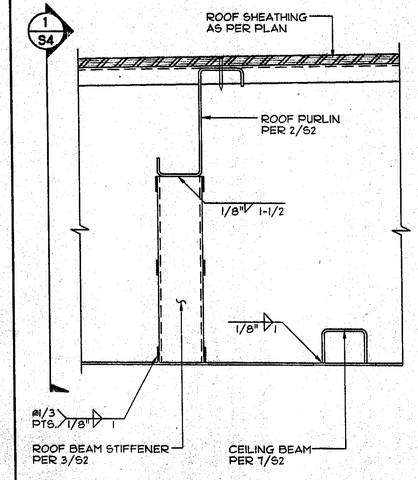
THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

S3



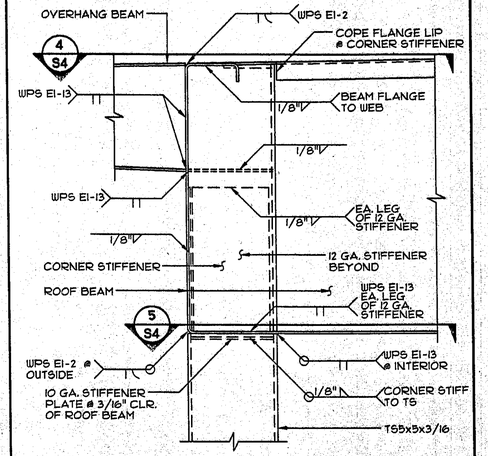
SEE 2/S3 FOR FASTENER SCHEDULE

1 ROOF BEAM SECTION @ PURLIN
SCALE: 3"=1'-0"

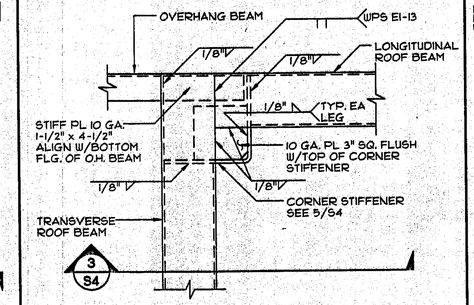


SEE 2/S3 FOR FASTENER SCHEDULE

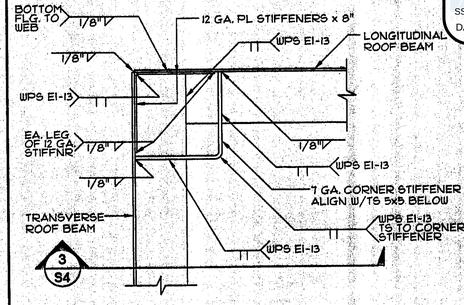
2 PURLIN TO STIFFENER AT BEAM
SCALE: 3"=1'-0"



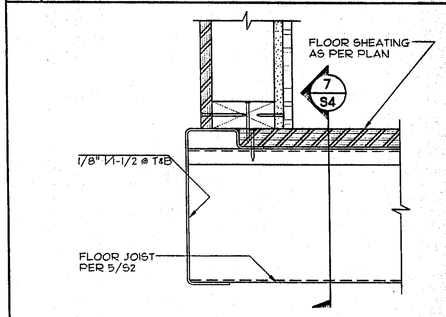
3 ROOF BEAM SECTION @ CORNER
SCALE: 3"=1'-0"



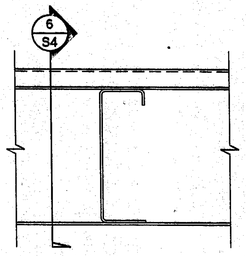
4 ROOF BEAM TOP FLANGE
SCALE: 3"=1'-0"



5 ROOF BEAM BOTTOM FLANGE
SCALE: 3"=1'-0"

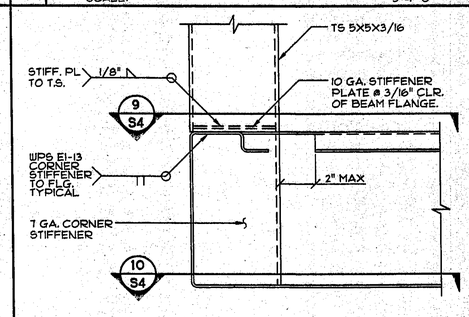


SEE 2/S3 FOR FASTENER SCHEDULE

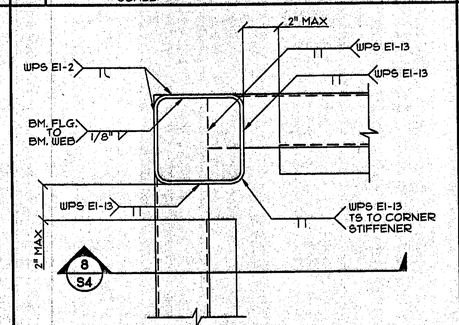


6 FLOOR BEAM @ JOIST CONNECTION
SCALE: 3"=1'-0"

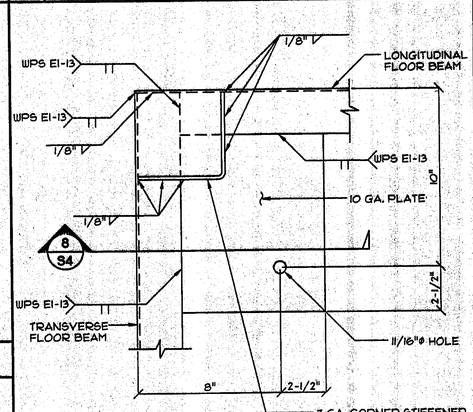
7 JOIST TO BEAM CONNECTION
SCALE: 3"=1'-0"



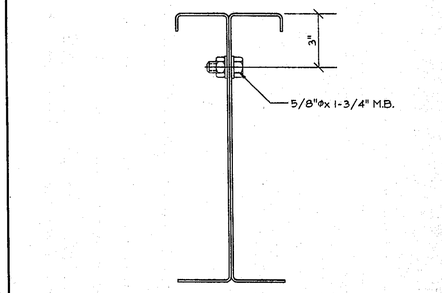
8 FLOOR BEAM SECTION @ CORNER
SCALE: 3"=1'-0"



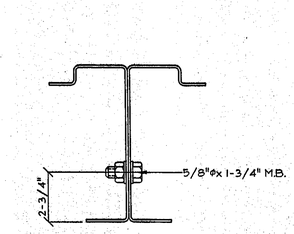
9 FLOOR BEAM TOP FLANGE
SCALE: 3"=1'-0"



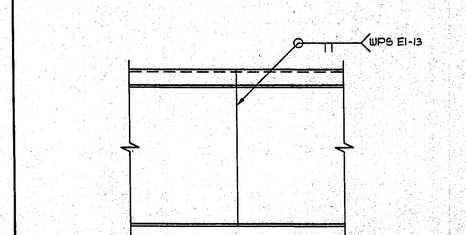
10 FLOOR BEAM BOTTOM FLANGE
SCALE: 3"=1'-0"



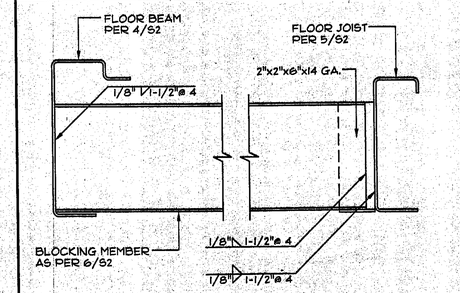
11 ROOF BEAM CONNECTION@MOD LINE
SCALE: 3"=1'-0"



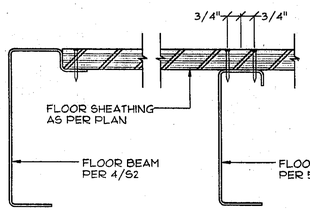
12 FLR BEAM CONNECTION @ MOD LINE
SCALE: 3"=1'-0"



13 BEAM SPLICE DETAIL
SCALE: 3"=1'-0"

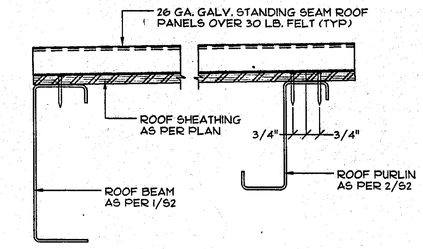


14 BLOCKING MEMBER CONNECTION
SCALE: 3"=1'-0"



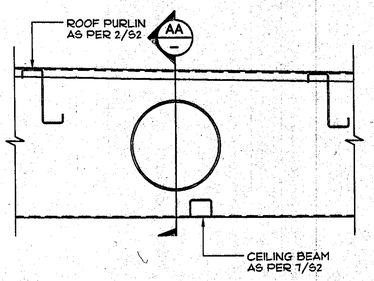
SEE 2/S3 FOR FASTENER SCHEDULE

15 FLOOR SHEATHING ATTACHMENT
SCALE: 3"=1'-0"

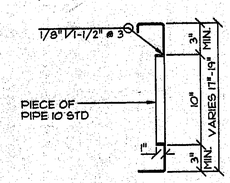


NOTE: THIS ROOF MEETS CLASS "B" FIRE RATING
SEE 2/S3 FOR FASTENER SCHEDULE

16 ROOF SHEATHING ATTACHMENT
SCALE: 3"=1'-0"



17 10"ø ROOF BEAM PENETRATION @ MOD-LINE
SCALE: 1-1/2"=1'-0"



SECTION AA

18 APPROVALS

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 105136
AC. FLS SS
DATE 9/21/2003

CO.#1
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-101236
AC. FLS SS
DATE 11/29/01

DESIGN CRITERIA

ROOF: DEAD LOAD – 8.0 PSF
ROOF: LIVE LOAD – 20.0 PSF (SNOW)

FLOOR: DEAD LOAD – 8.0 PSF
FLOOR: LIVE LOAD – 50.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD – 70.0 PSF
(OPTIONAL) FLOOR: LIVE LOAD – 125.0 PSF

WALLS: DEAD LOAD – 8.0 PSF
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, R=4.5, C_a=0.44N_a, N_a=1.5, C_q=0.44N_a, N_v=2.0, C_s=.6N_v

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

JOHN H. LAWDER
NO. 32310
EXP. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA
3/3/03

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215
(209) 931-11

CONNECTION DETAILS

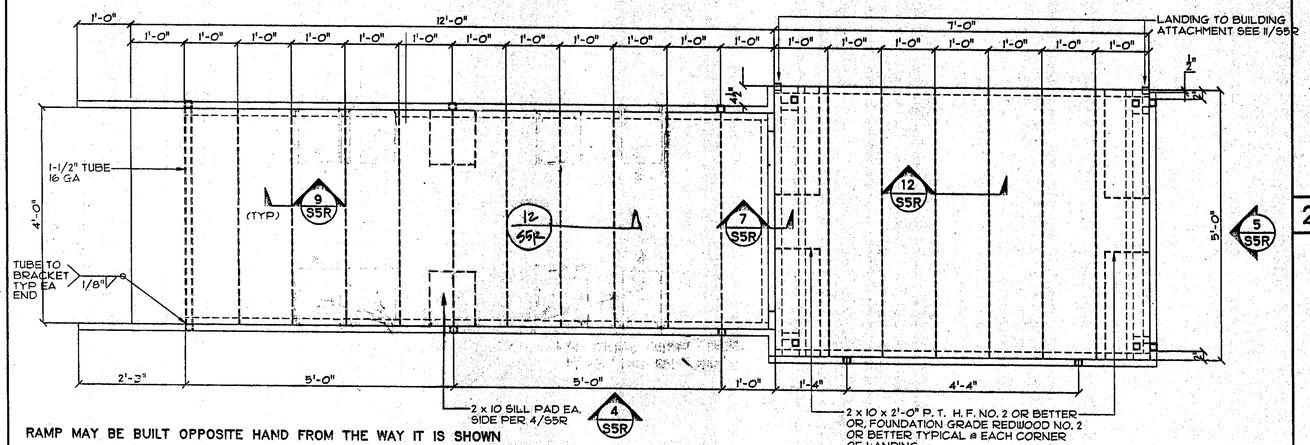
REVISION DATE:	BY:
11-16-01 WELD JOINTS PER WPS	LE

DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

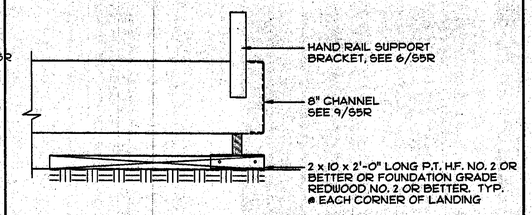
S4

DSA ACCESS COMPLIANCE NOTE: FLOOR HEIGHT MAY VARY FROM 12" TO 18" DEPENDENT UPON FOUNDATION AND SITE CONDITIONS. OWNER SHALL PROVIDE ADDITIONAL RAMP LENGTHS TO MAINTAIN 1" IN 12" SLOPE.

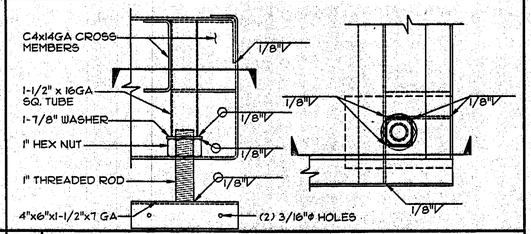


RAMP MAY BE BUILT OPPOSITE HAND FROM THE WAY IT IS SHOWN

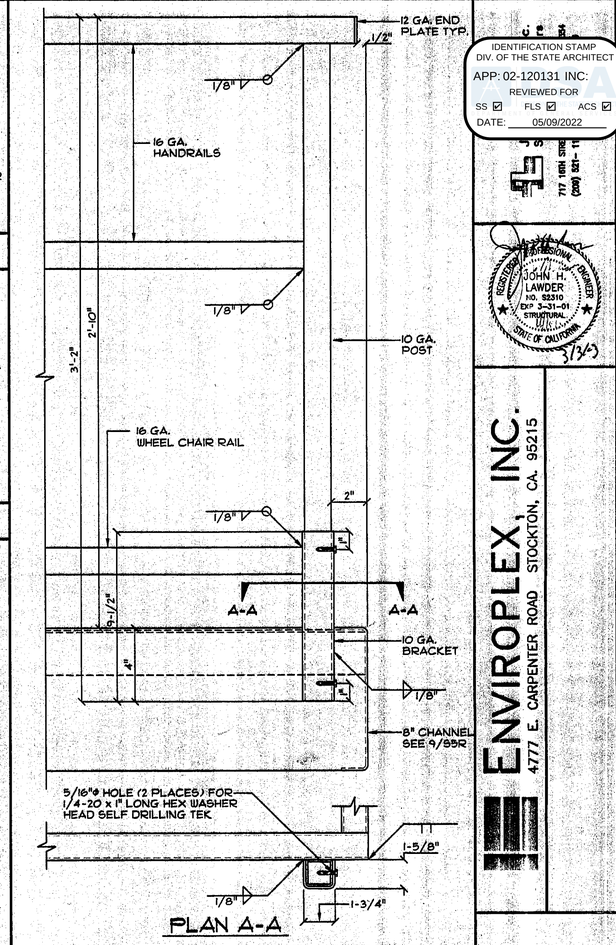
1 RAMP/LANDING FRAMING PLAN
SCALE: 3/4"=1'-0"



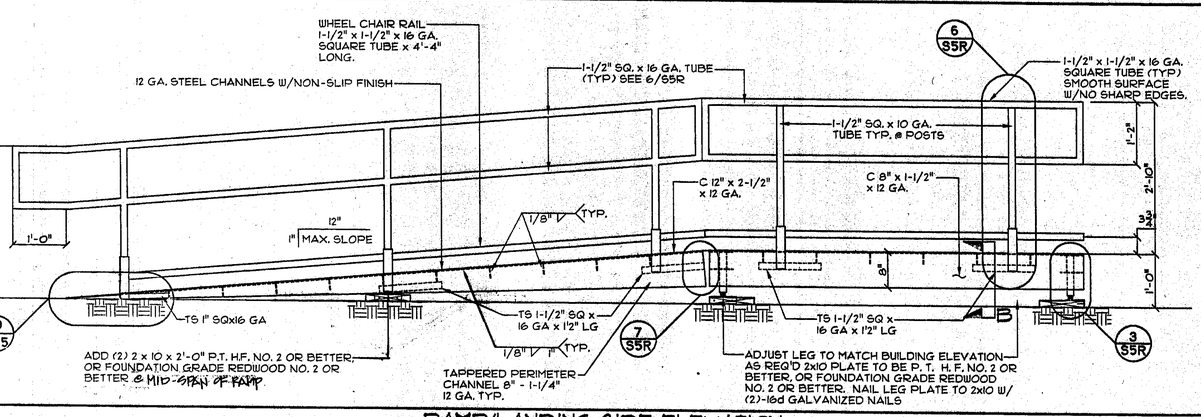
2 LANDING BASE
SCALE: 1-1/2"=1'-0"



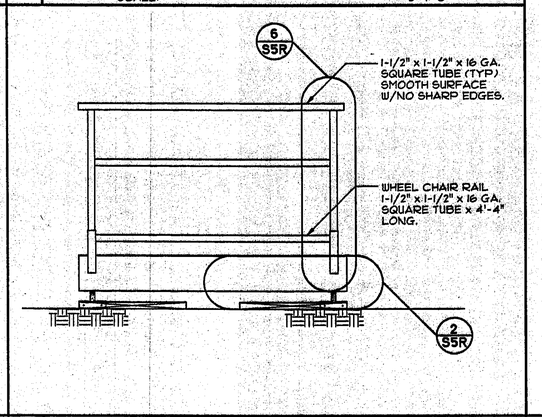
3 ADJUSTABLE LEG & BASE DETAIL
SCALE: 3"=1'-0"



PLAN A-A

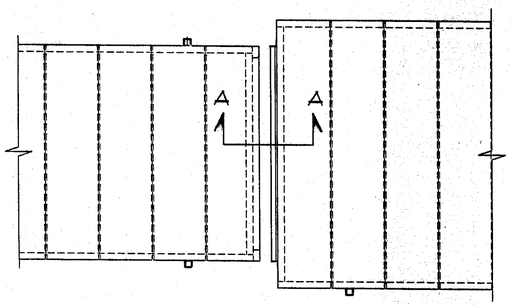


4 RAMP/LANDING SIDE ELEVATION
SCALE: 3/4"=1'-0"



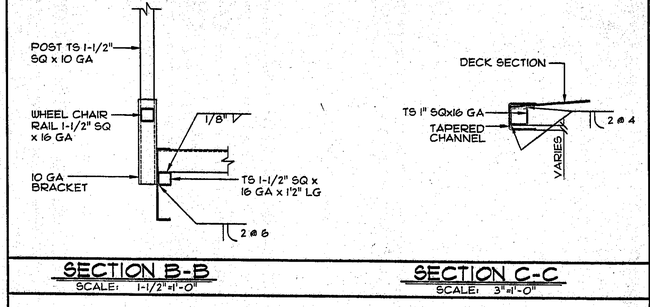
5 END ELEVATION
SCALE: 3/4"=1'-0"

6 HANDRAIL SUPPORT BRACKET
SCALE: 3"=1'-0"



SECTION A-A
SCALE: 1-1/2"=1'-0"

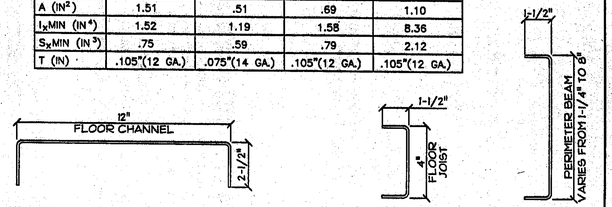
7 RAMP/LANDING ATTACHMENT BRACKETS
SCALE: 3/4"=1'-0" OR AS NOTED



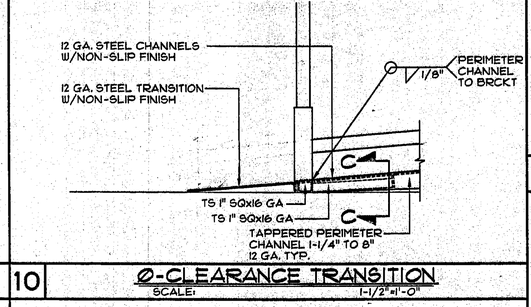
SECTION B-B
SCALE: 1-1/2"=1'-0"

SECTION C-C
SCALE: 3"=1'-0"

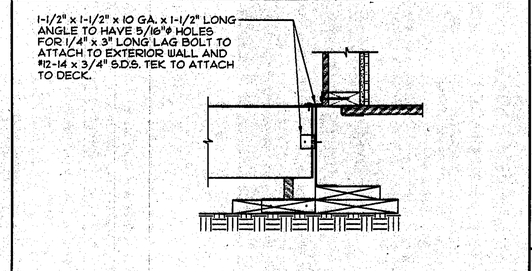
EFFECTIVE SECTION PROPERTIES				
FLOOR CHANNELS		FLOOR JOIST	PERIMETER BEAM	
	12"	4"	1-1/4"	8"
A (IN^2)	1.51	.51	.69	1.10
I_XMIN (IN^4)	1.52	1.19	1.58	8.36
S_XMIN (IN^3)	.75	.59	.79	2.12
T (IN)	.105"(12 GA.)	.075"(14 GA.)	.105"(12 GA.)	.105"(12 GA.)



9 FLOOR CHANNEL AND PERIMETER BEAM
SCALE: 3"=1'-0"



10 Ø-CLEARANCE TRANSITION
SCALE: 1-1/2"=1'-0"



11 LANDING ATTACHMENT TO BUILDING
SCALE: 1-1/2"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

717 14TH STREET
(209) 525-1155

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. 52310
EXP 3-31-01
STRUCTURAL
CIVIL
STATE OF CALIFORNIA
3/3/22

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

HANDICAP ACCESS RAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 105136
AC. FLS SS
DATE 3/16/22

PC

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-101236
AC. FLS SS
DATE 11/19/99

DESIGN CRITERIA

RAMP: DEAD LOAD = 5.0 PSF

RAMP: LIVE LOAD = 100.0 PSF

REVISION DATE:	BY:
DATE:	

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

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12 FLOOR CHANNEL ATTACHMENT
SCALE: 3"=1'-0"

13 APPROVALS

S5R

mobile modular

11450 MISSION BLVD.
MIRA LOMA, CA 91752

DSA FOUNDATION PLANS

FOR EXISTING STOCKPILE BUILDINGS

(BASED ON PC 04 – 119396)

WITH OPTIONAL S_s = 2.183 AND S_s = 3.08

NOTE: 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)

2019 California Mechanical Code (CMC)..... (Part 4, Title 24, CCR)

(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)

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

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

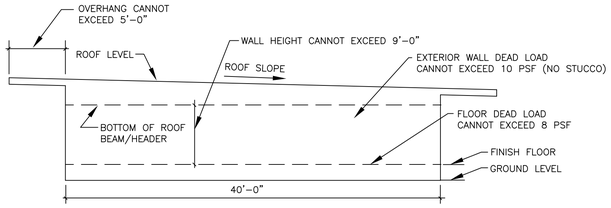
L

FOUNDATION PC ONLY LIMITATIONS

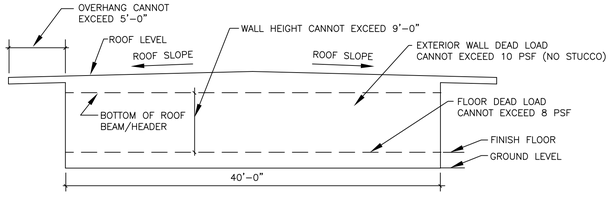
THIS WOOD FOUNDATION ONLY PC HAS BEEN DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS LISTED ON SHEET F–2 OF THESE DRAWINGS. THE DESIGN CALCULATIONS HAVE BEEN BASED ON THE FOLLOWING:

- 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



DUAL SLOPE BUILDING

SHEET INDEX

OPTIONS	SHEET TITLE	SHEET NUMBER
COVER SHEET	GENERAL NOTES; APPLICABLE CODES; BUILDING DATA; WIND DESIGN DATA, EARTHQUAKE DESIGN DATA	F-1
ALL	DSA A NUMBER LISTING MATRIX	F-2
BUILDING SIZE		
24X40	~~□ 50 PSF + 20 PSF (Ss 2.183)~~	~~F-3~~
	~~X~~50 PSF (Ss 2.183)	F-3
	~~□ 50 PSF + 20 PSF (Ss 3.08)~~	~~F-3A~~
	~~□ 50 PSF (Ss 3.08)~~	~~F-3A~~
	~~□ 100 PSF (Ss 2.183)~~	~~F-3B~~
	~~□ 125 PSF (Ss 2.183)~~	~~F-3B~~
	~~□ 100 PSF (Ss 3.08)~~	~~F-3C~~
	~~□ 125 PSF (Ss 3.08)~~	~~F-3C~~
36X40	□ 50 PSF + 20 PSF (Ss 2.183)	F-3
	□50 PSF (Ss 2.183)	F-3
	□50 PSF + 20 PSF (Ss 3.08)	F-3A
	□50 PSF (Ss 3.08)	F-3A
	□ 100 PSF (Ss 2.183)	F-4B
	□ 125 PSF (Ss 2.183)	F-4B
	□ 100 PSF (Ss 3.08)	F-4C
	□ 125 PSF (Ss 3.08)	F-4C
48X40	□ 50 PSF + 20 PSF (Ss 2.183)	F-5
	□50 PSF (Ss 2.183)	F-5
	□ 50 PSF + 20 PSF (Ss 3.08)	F-5A
	□50 PSF (Ss 3.08)	F-5A
	□ 100 PSF (Ss 2.183)	F-5B
	□ 125 PSF (Ss 2.183)	F-5B
	□ 100 PSF (Ss 3.08)	F-5C
	□ 125 PSF (Ss 3.08)	F-5C
ALL	REFERENCE DETAILS	F-6
ALL	GENERAL SPECIFICATIONS	F-7
ALL	~~DSA FORM 103~~	~~F-7A~~
ALL	~~ADJACENT BLDGS DETAILS~~	~~F-8~~
ALL	~~ADJACENT BLDGS DETAILS~~	~~F-9~~

DESIGN DATA			
NUMBER OF STORIES:	1-STORY		
OCCUPANCY:	X E-1	□ E-2	□ E-3
TYPE OF CONSTRUCTION:	VB		
FLOOR LIVE LOAD:	X 50 PSF	~~• 50 PSF + 20 PSF PARTITION LOAD~~	
FLOOR LIVE LOAD:	~~• 100 PSF~~	~~• 125 PSF~~	
ROOF LIVE LOAD:	■ 20 PSF (PROJECT IS NOT LOCATED IN A SNOW LOAD AREA		
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	■ WAIVER OF DURABILITY	■ NON-PERMANENT FOUNDATION

WIND DESIGN DATA	SECTION 1603.A.1.4
1. ULTIMATE WIND SPEED .3 SEC GUST (MPH):	110
2. RISK CATEGORY:	II
3.WIND EXPOSURE:	"C"
4. APPLICABLE INTERNAL PRESSURE COEFFICIENT:	+ or - 0.18
	Kzt = 1.0

EARTHQUAKE DESIGN DATA		SECTION 1603.A.1.5
1. SEISMIC IMPORTANCE FACTOR:		1
2. MAPPED SPECTRAL RESPONSE:		
OPTION Ss:	~~3.08~~	2.183
Ss	~~3.08~~	2.183
S1	1.389	1.389
3. SITE CLASS		D
4. SPECTRAL RESPONSE COEFFICIENTS:		
OPTION Ss:	~~3.08~~	2.183
SDS	~~2.464~~	1.476
SD1	1.574	1.574
5. SEISMIC DESIGN CATEGORY:		E
6. BASIC SEISMIC-FORCE-RESISTANCE-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 COEFFICIENT (Cs)		
OPTION	~~3.08~~	2.183
Cs	~~0.493~~	0.349
9. RESPONSE MODIFICATION FACTOR (R)		3.5
10. ANALYSIS PROCEDURE USED:		EQUIVALENT LATERAL FORCE
		NO HORIZONTAL OR VERTICAL IRREGULARITIES PRESENT
11. FLOOD DESIGN DATA:		PROJECT IS NOT LOCATED IN FLOOD ZONE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

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 ☐
DATE: 10/29/2020

PC 04–119396

COVER SHEET

DRAWN

CHECKED

DATE
AUG. 15, 2020

SCALE

JOB NO.

F — 1

OF 19 SHEETS

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	REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMON No.3602 STRUCTURAL STATE OF CALIFORNIA 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

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TABLE OF CONTENTS

Sheet No.	Description	Dated	Revised

MOBILE MODULAR MIRA LOMA PC 113193 SHEET_ F–1.DWG

APPROVED A NUMBERS APPLICABLE TO THIS PC PLAN

MANUFACTURER OF MODULAR BUILDING	DSA A NUMBER OF MODULAR 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	PC 243	1994	24 X 40	50
MT	A61172	PC 243	1994	24 X 40	50
MT	A65965	PC 266	1997	24 X 40	50
MT	A69746	PC 282	1998	24 X 40	50
MT	A04100727	PC 300	1999	36 X 40	50
MT	A04101194	PC 270	1999	24 X 40	50
MT	A04101767	PC 04-101419	2001	24 X 40	50
MT	A04101891	PC 04-101419	2000	48 X 40	50
MT	A04103044	PC 04-101419	2001	24 X 40	50
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	2008	48 X 40	50 + 20
SI	A04109518	PC 04-107557	2008	48 X 40	50 + 20
SI	A04109520	PC 04-107557	2008	24 X 40	50 + 20
SI	A04109615	PC 04-107557	2008	48 X 40	50 + 20
SI	A04109640	PC 04-107557	2008	24 X 40	50+20
SI	A04110549	04-109299	2009	24 X 40	50
SI	A04109641	04-107557	2008	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
AM	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
AM	A02102259	PC 02-101488	2000	24 X 40	50
EN	A02116418	PC 02-113902	2017	24 X 40	65

APPROVED A NUMBERS APPLICABLE TO THIS PC PLAN

MANUFACTURER OF MODULAR BUILDING	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	2004	24 X 40	50
AM	A02106845	PC 02-104915	2005	24 X 40	50
AM	A02107161	PC 02-104915	2005	24 X 40	70 50+20
AM	A02107390	PC 02-104915	2005	24 X 40	50
AM	A02108179	PC 02-104917	2006	48 X 40	50
AM	A02105619	02-104920	2003	24 X 40	50
AM	A02106214	02-104915	2004	24 X 40	50
AM	A02106499	02-101285	2004	48 X 40	50
AM	A02101583	388	1999	48 X 40	50
AU	A65301	PC 253	1996	24 X 40	50
AU	A65601	PC 253	1996	24 X 40	50
AU	A67426	PC 272	1997	36 X 40	50
AU	A03107543	PC 04-104816	2004	24 X 40	50
AU	A04101310	PC 04-100335	2000	24 X 40	50
AU	A04105339	PC 04-104816	2003	24 X 40	50
AU	A04106096	PC 04-104816	2004	24 X 40	50
AU	A04106097	PC 04-104816	2004	24 X 40	50 + 20
AU	A64839	A64839 STOCKPILE	2000	24 X 40	50
AU	A59725	A59725 STOCKPILE	1991	48 X 40	50
AU	A04105948	104816	2004	36 X 40	50
AU	A67425	A67425 STOCKPILE	1999	48 X 40	50
EN	A01100789	PC 271	1999	24 X 40	50
EN	A02101478	PC 271	1999	24 X 40	50
EN	A01102792	PC 02-101236	2000	24 X 40	50
EN	A02102108	PC 02-101236	2000	24 X 40	50
EN	A02102873	PC 02-101236	2002	24 X 40	50
EN	A02103726	PC 02-101236	2002	24 X 40	50
EN	A02104123	PC 02-101236	2003	24 X 40	50
EN	A02105136	PC 02-101236	2003	24 X 40	50
EN	A02105898	PC 02-104899	2003	48 X 40	50
EN	A02105944	PC 02-104899	2004	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	A02107937	PC 02-104899	2006	48 X 40	50+20
EN	A02108109	PC 02-104899	2006	36 X 40	50
EN	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	A04104262	PC 04-101244	2002	24 X 40	50
MB	A04104623	PC 04-101244	2003	48 X 40	50
MB	A04104624	PC 04-101244	2003	24 X 40	50
MB	A04105648	PC 04-104778	2003	48 X 40	50
MB	A04105913	PC 04-104778	2005	24 X 40	50
MB	A04107230	PC 04-104778	2005	24 X 40	50
MB	A04106102	PC 04-104778	2004	24 X 40	50

LEGEND:

AM = AMERICAN MODULAR SYSTEMS, INC.

AU = AURORA MODULAR INDUSTRIES, INC.

EN = ENVIRONOPLEX, INC.

MB = MODULAR STRUCTURES INTERNATIONAL, INC.

MT = MODTECH, INC.

SI = SILVER CREEK INDUSTRIES, INC.

WS = WALDEN STRUCTURES & CONSTRUCTION

GD = GARY DOUPNIK MANUFACTURING, INC.

KC = KARSTON COMPANY

NOTES:

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.
3. 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.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

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 ☐
DATE: 10/29/2020

PC 04-119396

A-NUMBERS

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	REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No.3602 STRUCTURAL STATE OF CALIFORNIA 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

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TABLE OF CONTENTS

Sheet No	Description	Dated	Revised

DRAWN

CHECKED

DATE
AUG. 15, 2020

SCALE

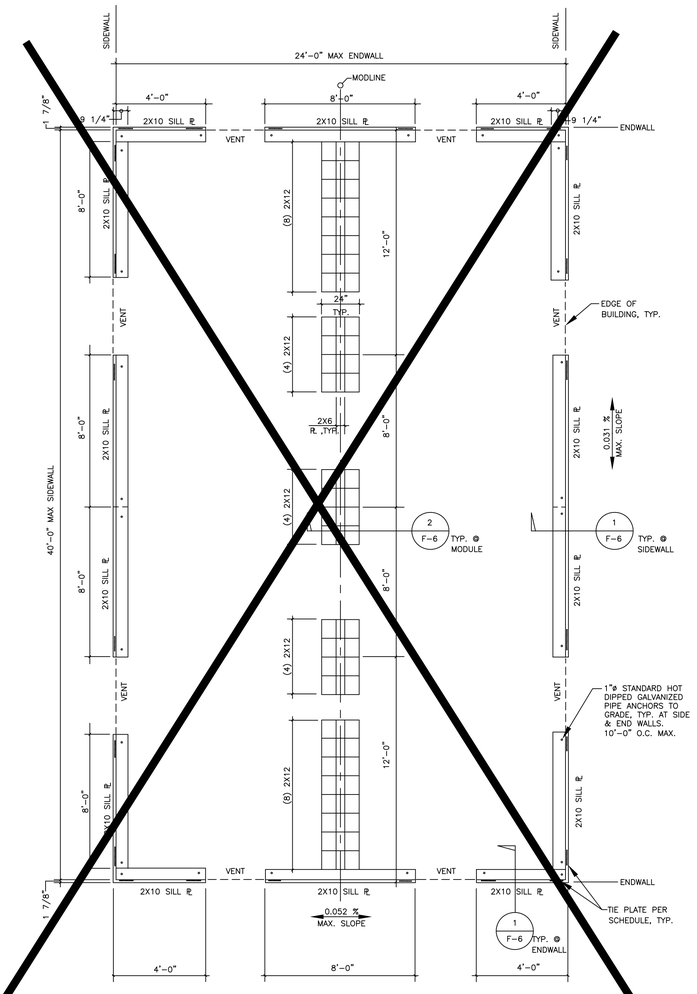
JOB NO.

F — 2

OF 19 SHEETS

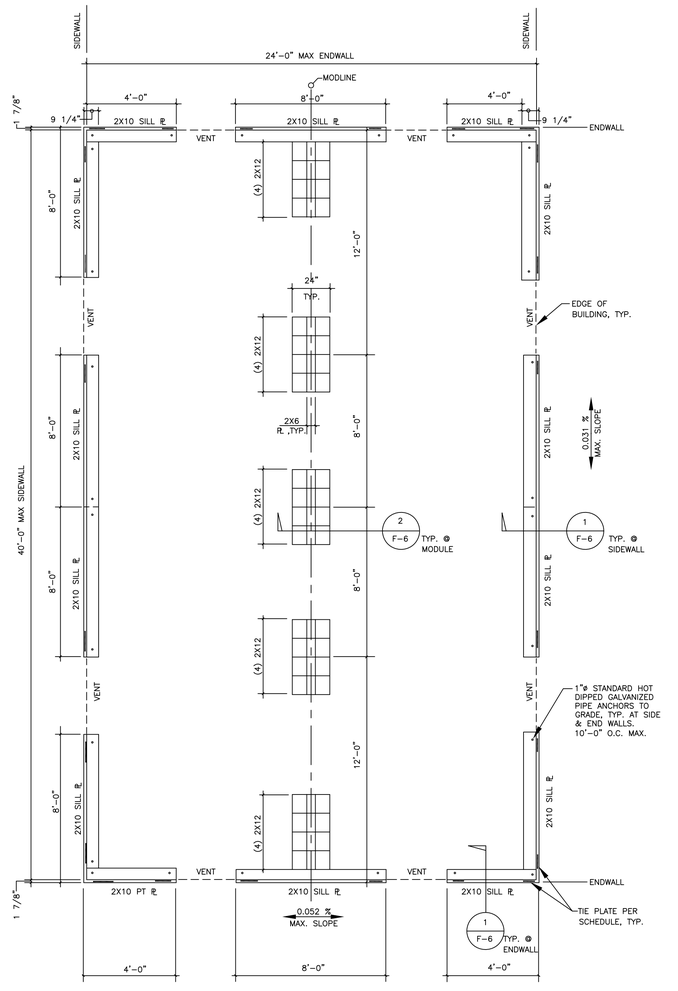
MOBILE MODULAR MANAGEMENT PC - 113193 SHEET_F-2A.DWG

S_S=2.183 (MAPPED VALUE)



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

1/4" = 1'-0"



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

TIE PLATE SCHEDULE: (1) (2) (3)
50 PSF / 50 + 20 PSF PSF
Ss = 2.183

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	4	4
~~36'x48'~~	~~6~~	~~6~~
~~48'x40'~~	~~12~~	~~12~~

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
50 PSF / 50 + 20 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	~~6~~	~~9~~
36'x40'	7	7
48'x40'	9	9

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
50 PSF / 50 + 20 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	~~19" O.C.~~	~~32" O.C.~~
36'x40'	19" O.C.	21" O.C.
48'x40'	19" O.C.	16" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODUALR SYSTEMS, INC.

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
2. SEE SHEET F-7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
6. PROVIDE 2-2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
   PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.

* NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

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	REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No.3602 STRUCTURAL STATE OF CALIFORNIA Date Signed: September 24, 2020

STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
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DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

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 ☐
DATE: 10/29/2020

PC 04-119396

FOUNDATION PLANS

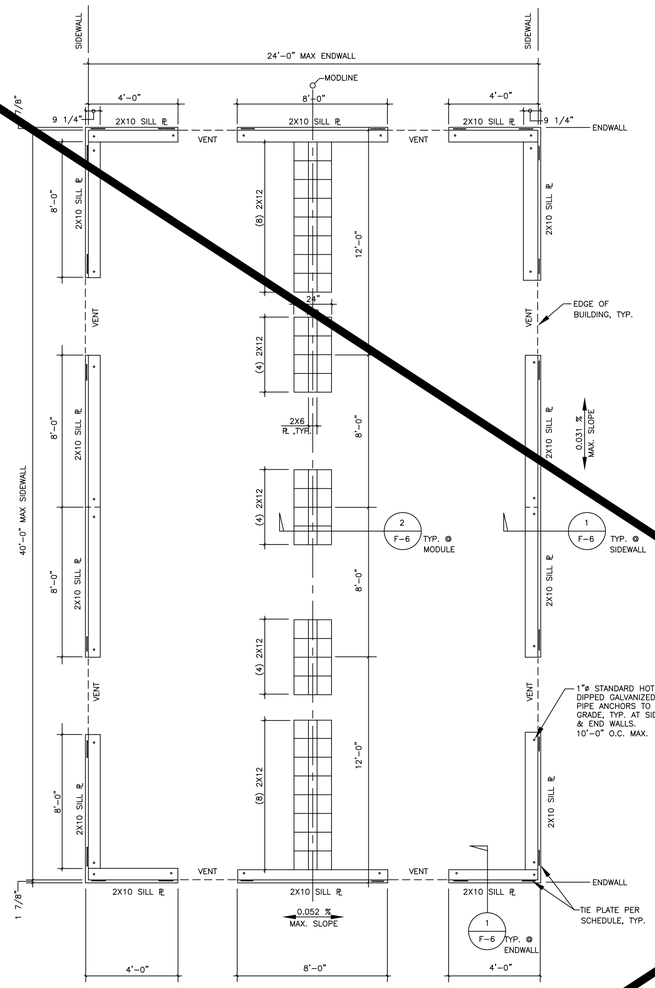
DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.

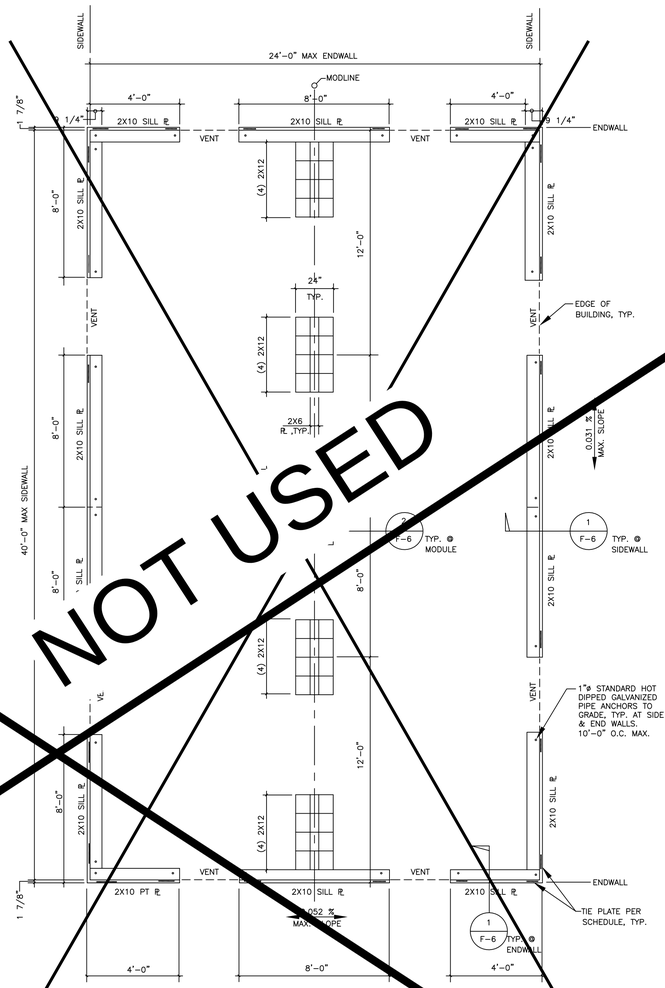
F-3

OF 19 SHEETS

MOBILE MODULAR MIRA LOMA PC 113193 SHEET_F-3.DWG

S_S=3.08 (MAPPED VALUE)





NOT USED

FOUNDATION PLAN — 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

1/4" = 1'-0"

FOUNDATION PLAN — 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

TIE PLATE SCHEDULE: (1) (2) (3)
50 PSF / 50 + 20 PSF
Ss = 3.08

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	6
36'x40'	9	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
50 PSF / 50 + 20 PSF
Ss = 3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	6
36'x40'	9	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
50 PSF / 50 + 20 PSF
Ss = 3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	13" O.C.	23" O.C.
36'x40'	13" O.C.	15" O.C.
48'x40'	13" O.C.	11" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
2. SEE SHEET F-7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
6. PROVIDE 2-2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
   PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R. A-1.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.

* NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

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

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMS No.3602 STRUCTURAL STATE OF CALIFORNIA

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
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DATE: 05/09/2022

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

IDENTIFICATION STAMP
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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 10/29/2020

PC 04-119396

FOUNDATION PLANS

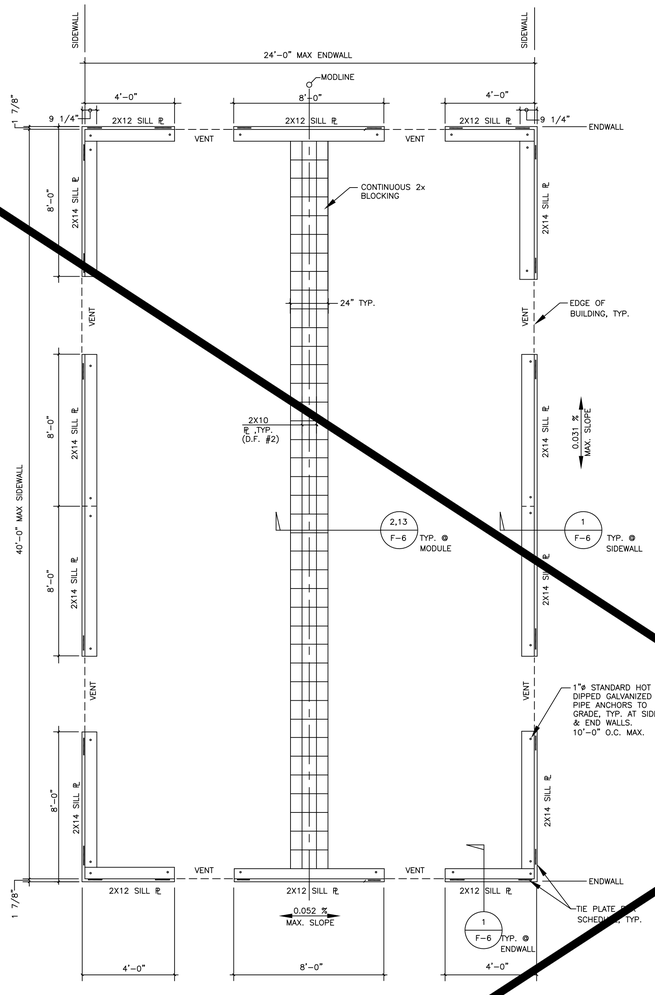
DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.

F-3A

OF 19 SHEETS

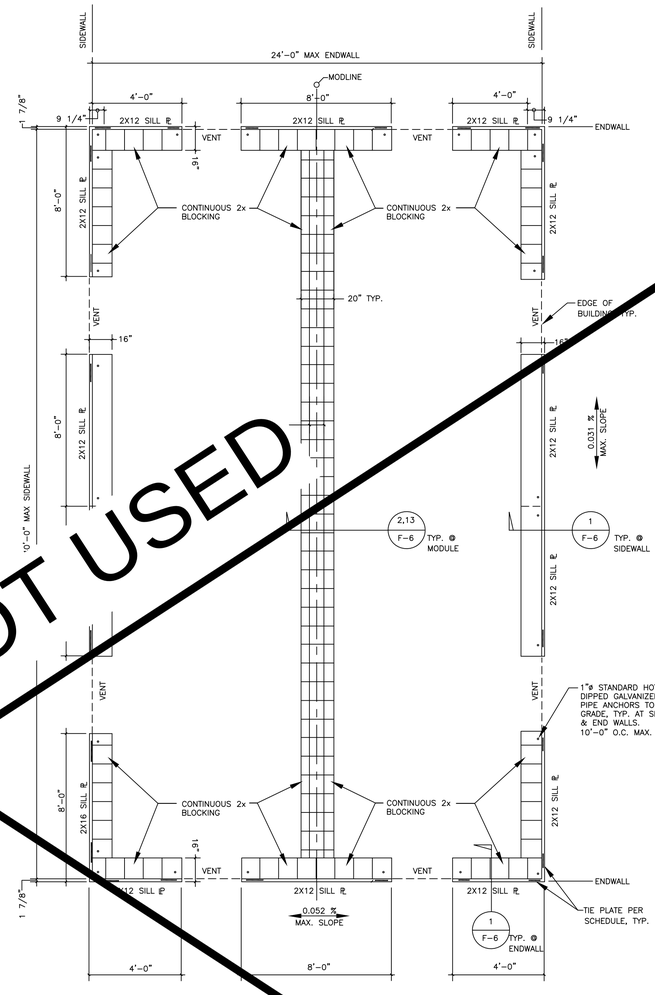
S_S=2.183 (MAPPED VALUE)

NOT USED



FOUNDATION PLAN – 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"



FOUNDATION PLAN – 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

TIE PLATE SCHEDULE: (1) (2) (3)
100 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	4	4
36'x40'	6	6
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
125 PSF
Ss = 2.183

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	11

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Bui ding

TIE PLATE SCHEDULE: (1) (2) (3)
100 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	6
36'x40'	7	7
48'x40'	9	9

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
125 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	11

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
100 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	19" O.C.	32" O.C.
36'x40'	19" O.C.	21" O.C.
48'x40'	19" O.C.	16" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
1[illegible] PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	11" O.C.	18" O.C.
36'x40'	11" O.C.	12" O.C.
48'x40'	11" O.C.	9" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

NOTES:

1. SEE SHEET F–1 FOR GENERAL NOTES.
2. SEE SHEET F–7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
6. PROVIDE 2–2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
   PROVIDE 3–2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16–1.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d COMM. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F–6.

* NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

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	REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No.3602 STRUCTURAL STATE OF CALIFORNIA Date Signed: September 24, 2020

STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
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DATE: 05/09/2022

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 ☐
DATE: 10/29/2020

PC 04–119396

FOUNDATION PLANS

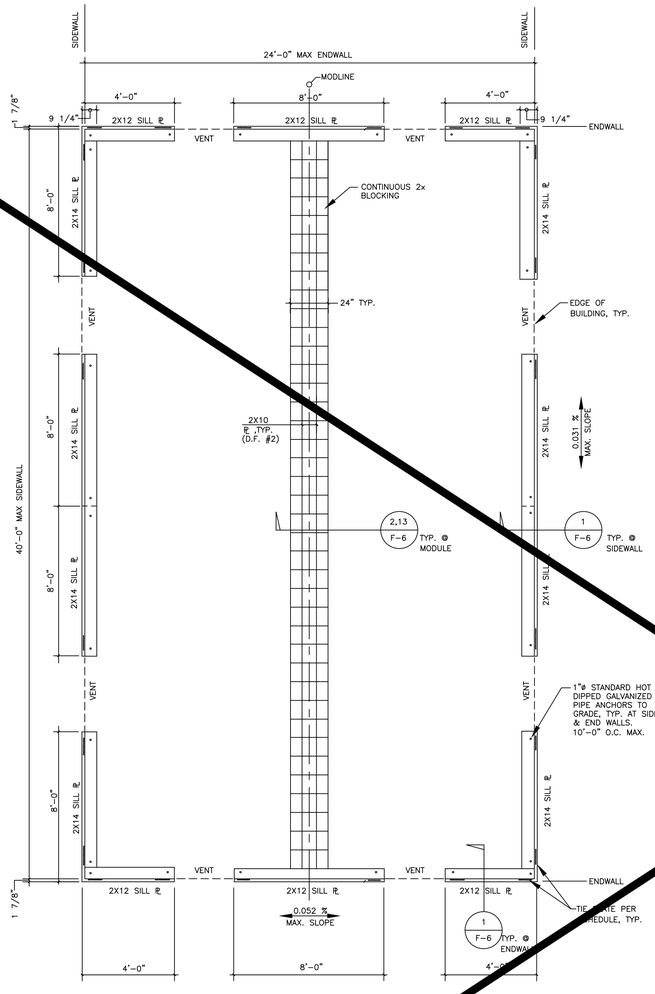
DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.

F–3B

OF 19 SHEETS

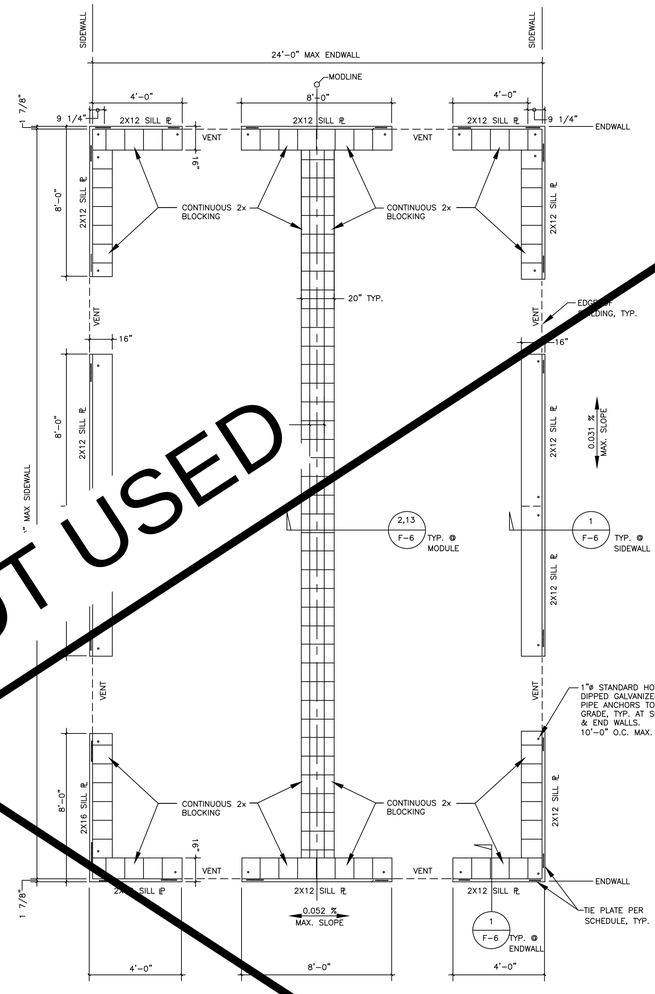
MOBILE MODULAR MIRA LOMA PC 113193 SHEET_F–3.DWG

$S_S = 3.08$ (MAPPED VALUE)



FOUNDATION PLAN – 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"



FOUNDATION PLAN – 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

TIE PLATE SCHEDULE: (1) (2) (3) 100 PSF Ss = 3.08		
Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	6
36'x40'	6	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building

**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3) 125 PSF Ss = 3.08		
Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	10	10
36'x40'	15	10
48'x40'	20	20

*End Wall is the 24', 36' or 48' Long Wall of the Building

**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3) 100 PSF Ss =3.08 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	6
36'x40'	9	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building

**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3) 125 PSF Ss = 3.08 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	10	15
36'x40'	10	15
48'x40'	20	20

*End Wall is the 24', 36' or 48' Long Wall of the Building

**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE: 100 PSF 125 PSF Ss = 3.08 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	13" O.C.	23" O.C.
36'x40'	13" O.C.	15" O.C.
45'x40'	13" O.C.	11" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building

**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE: 100 PSF 125 PSF Ss = 3.08 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	8" O.C.	13" O.C.
36'x40'	8" O.C.	8" O.C.
45'x40'	8" O.C.	6" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building

**Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR SYSTEMS,
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODUALR SYSTEMS, INC.

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
2. SEE SHEET F-7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
6. PROVIDE 2–2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
   PROVIDE 3–2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16A-7.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.

* NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

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MEMBER
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MIRA LOMA, CA 91752

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PC 04–119396

FOUNDATION PLANS

DRAWN

CHECKED

DATE
AUG. 15, 2020

SCALE

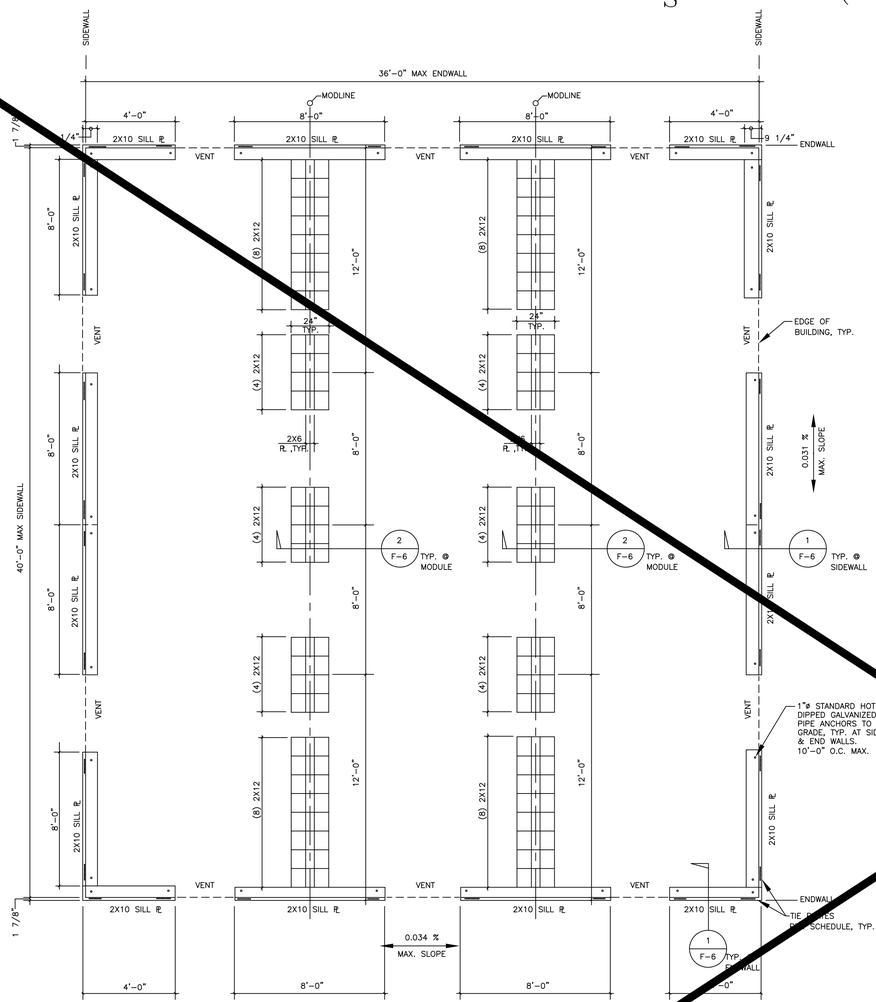
JOB NO.

F–3C

OF 19 SHEETS

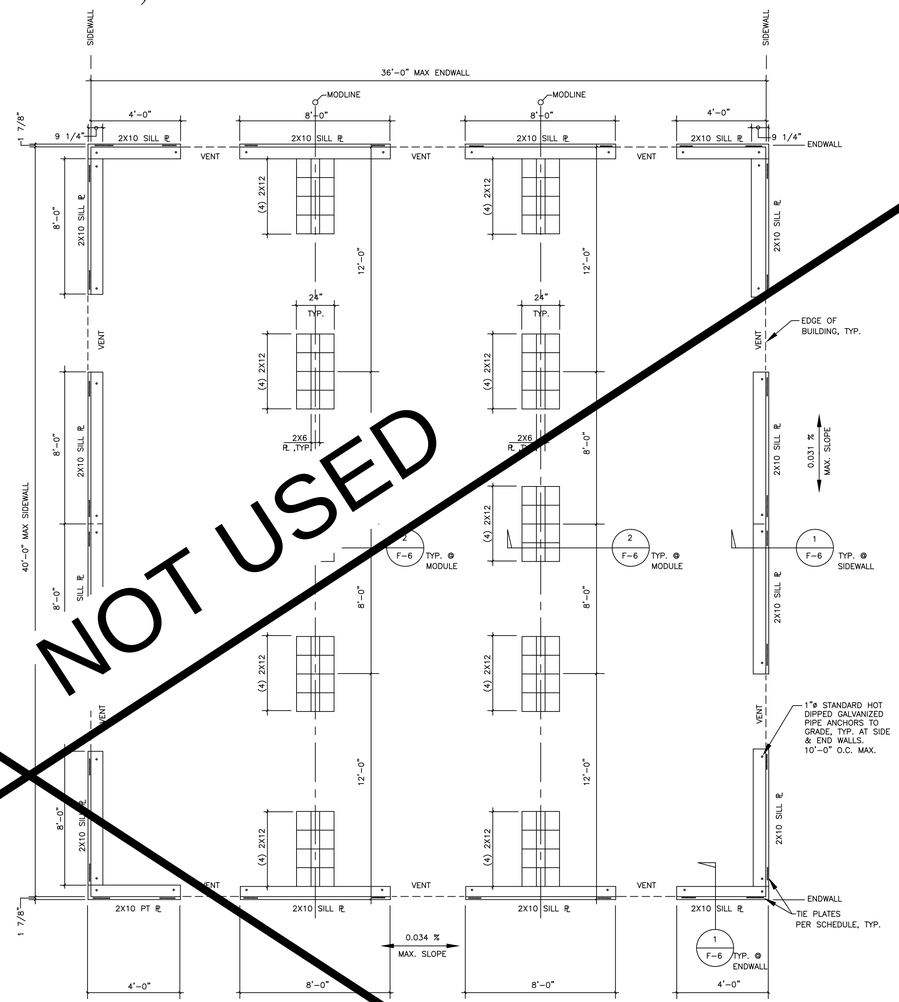
MOBILE MODULAR MIRA LOMA PC 113193 SHEET_F-3.DWG

S_S=2.183 (MAPPED VALUE)



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

1/4" = 1'-0"



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOT USED

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF Ss = 2.183 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	4	4
36'x40'	6	6
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3) 50 PSF / 50 + 20 PSF Ss = 2.183 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	9	9
36'x40'	7	7
48'x40'	9	9

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE: 50 PSF / 50 + 20 PSF Ss = 2.183 AMERICAN MODULAR SYSTEMS, INC.		
Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	19" O.C.	32" O.C.
36'x40'	19" O.C.	21" O.C.
48'x40'	19" O.C.	16" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MCDULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
2. SEE SHEET F-7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
6. PROVIDE 2-2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
   PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-7
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16D GALV. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8D GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ.FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP GRADES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.

* NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

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DATE: 10/29/2020

PC 04-119396

FOUNDATION PLANS

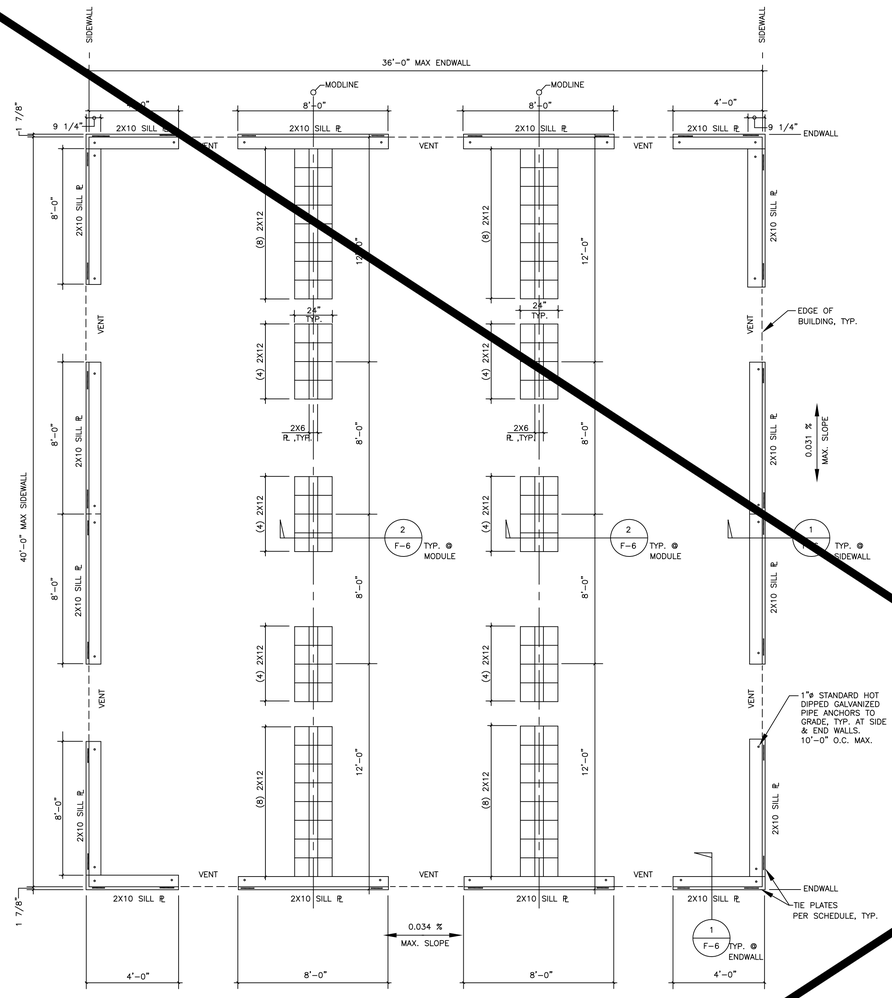
DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.

F-4

OF 19 SHEETS

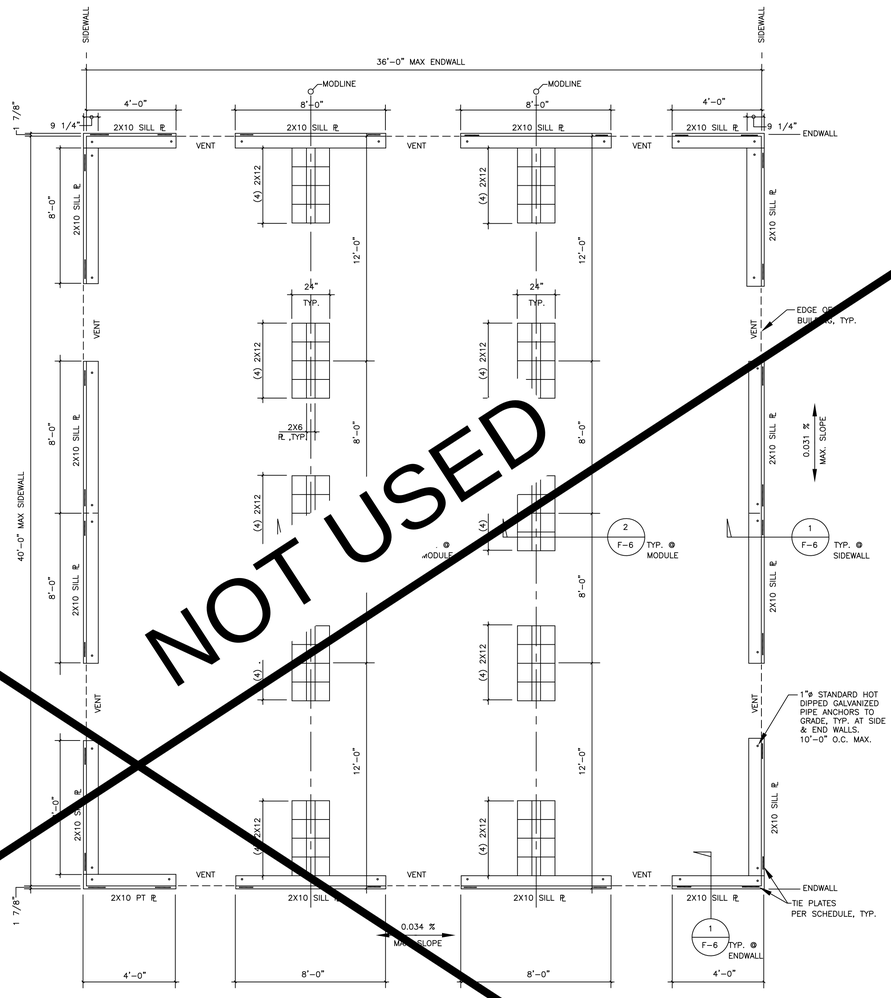
MOBILE MODULAR MANAGEMENT PC 113193 SHEET_F-4.DWG

S_S = 3.08 (MAPPED VALUE)



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

1/4" = 1'-0"



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOT USED

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
2. SEE SHEET F-7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
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   PROVIDE 3–2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16–1.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d @C.V. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d @ CAL. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.

* NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3)
50 PSF / 50 + 20 PSF
Ss = 3.08

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	6
36'x40'	6	6
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
50 PSF / 50 + 20 PSF
Ss = 3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	9	9
36'x40'	9	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
50 PSF / 50 + 20 PSF
Ss = 3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	13" O.C.	23" O.C.
36'x40'	13" O.C.	15" O.C.
48'x40'	13" O.C.	11" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
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(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

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

REGISTERED PROFESSIONAL ENGINEER
JAMES T. SIMPSON
No.3602
STRUCTURAL
STATE OF CALIFORNIA

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
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APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

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

IDENTIFICATION STAMP
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APP: 04-119396 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 10/29/2020

PC 04–119396

FOUNDATION PLANS

DRAWN

CHECKED

DATE
AUG. 15, 2020

SCALE

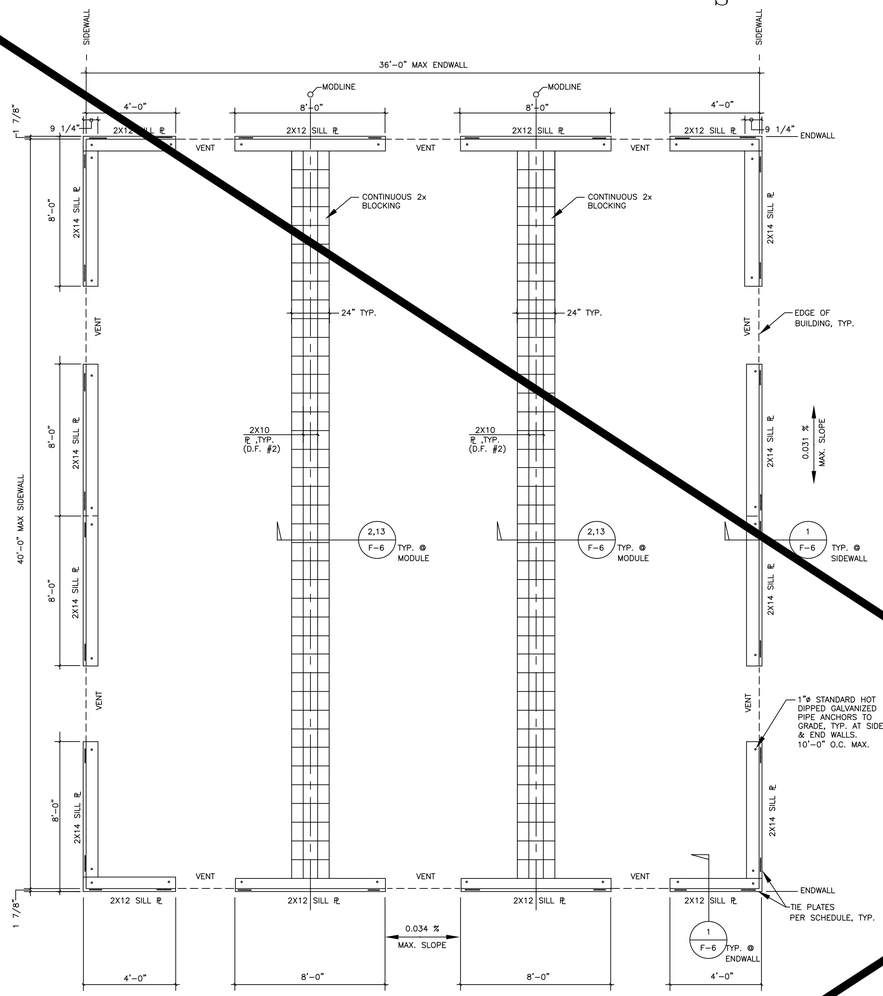
JOB NO.

F-4A

OF 19 SHEETS

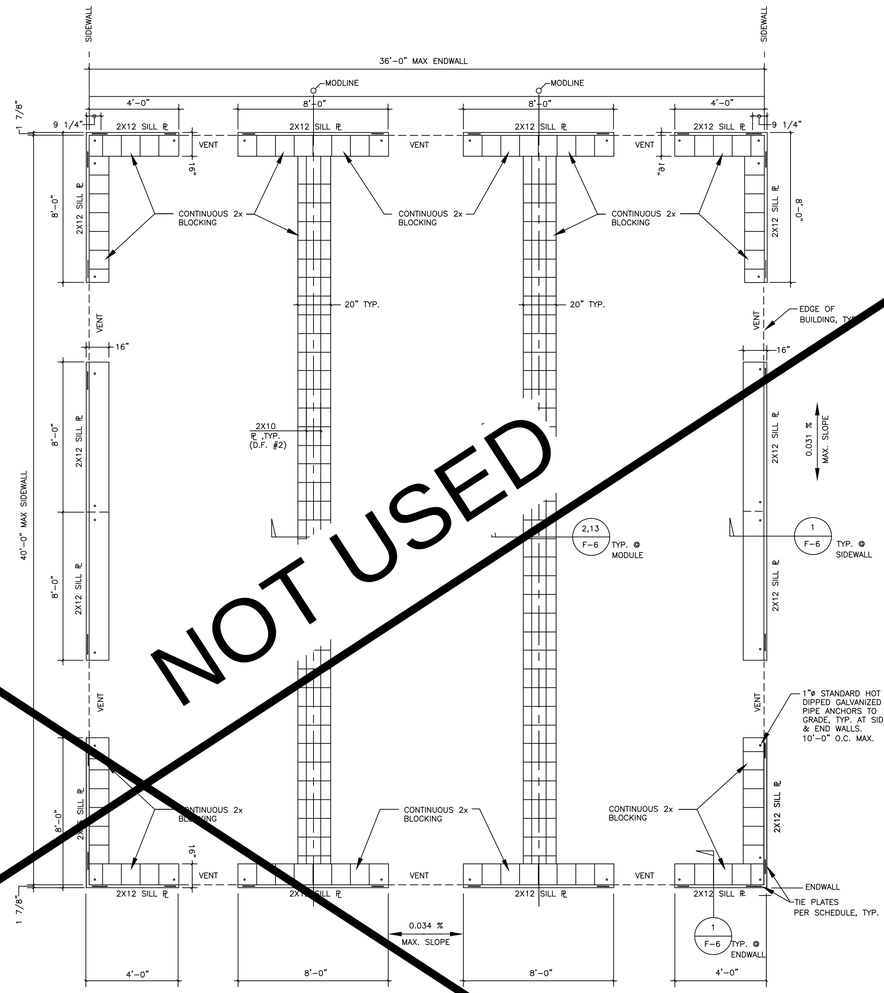
MOBILE MODULAR MANAGEMENT PC 113193 SHEET_F-4.DWG

S_S =2.183 (MAPPED VALUE)



FOUNDATION PLAN — 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"



FOUNDATION PLAN — 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
2. SEE SHEET F-7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
6. PROVIDE 2-2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
   PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.

* NOTE: UNDERFLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3)
100 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	4	4
36'x40'	6	6
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
125 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	11

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
100 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	6	6
36'x40'	7	7
48'x40'	9	9

*End Wall is the 24', 36' or 48' Long Wall of the Building
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TIE PLATE SCHEDULE: (1) (2) (3)
125 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	11

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
100 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	19" O.C.	32" O.C.
36'x40'	19" O.C.	21" O.C.
48'x40'	19" O.C.	16" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
125 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	11" O.C.	18" O.C.
36'x40'	11" O.C.	12" O.C.
48'x40'	11" O.C.	9" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

NOT USED

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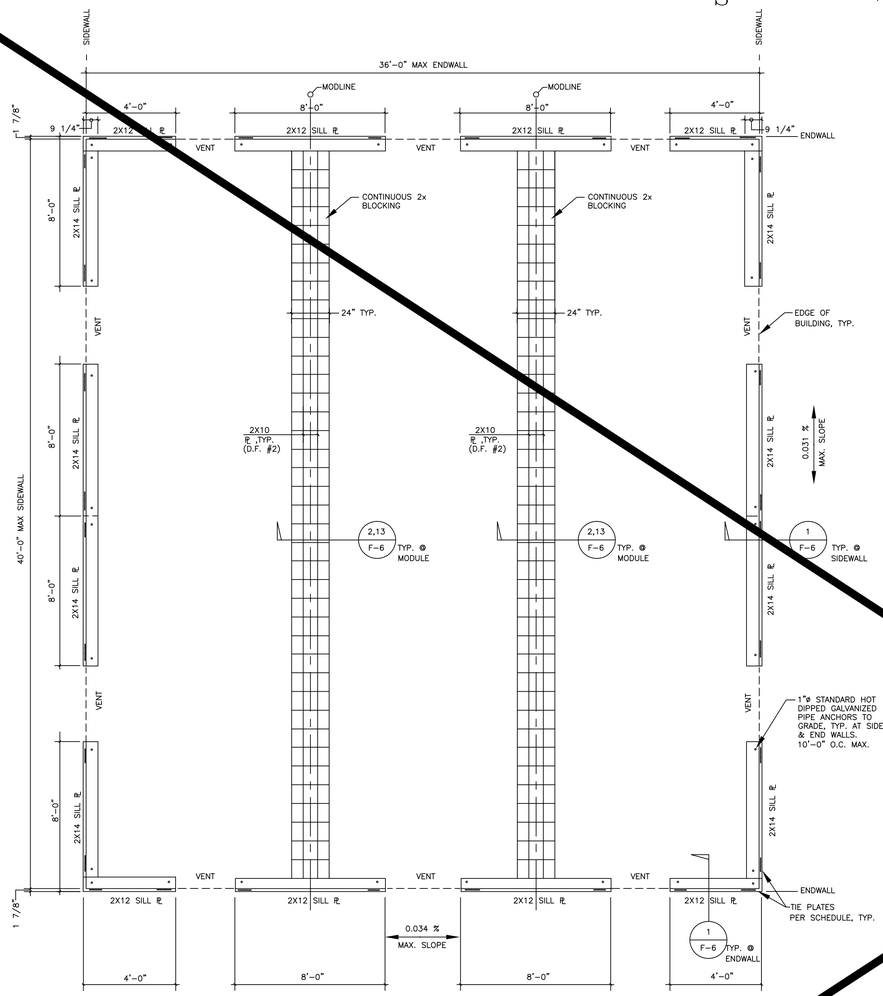
OF 19 SHEETS

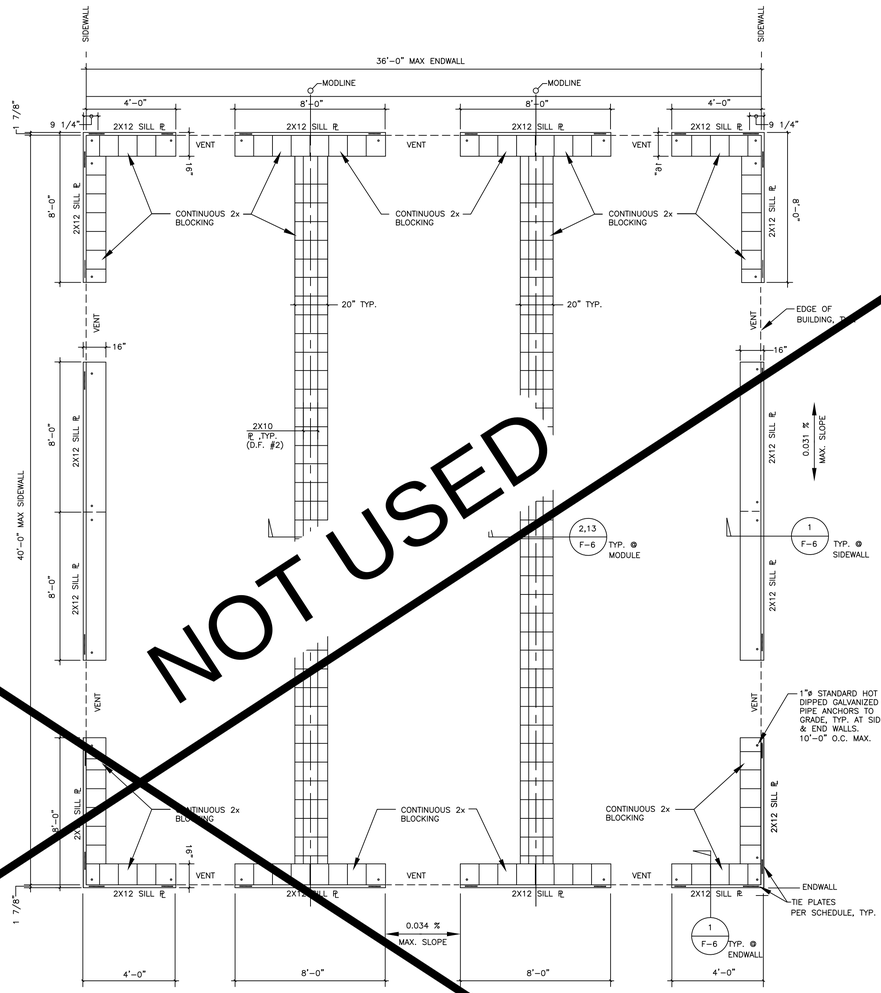
MOBILE MODULAR MANAGEMENT PC 113193 SHEET_F-4.DWG

$S_S = 3.08$ (MAPPED VALUE)



FOUNDATION PLAN – 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"



FOUNDATION PLAN – 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOT USED

NOTES:

1. SEE SHEET F–1 FOR GENERAL NOTES.
2. SEE SHEET F–7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
6. PROVIDE 2–2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
   PROVIDE 3–2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16–1
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d COMM. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F–6.

* NOTE: UNDERFLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3)
100 PSF
Ss = 3.08

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	6
36'x40'	9	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
125 PSF
Ss = 3.08

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	10	10
36'x40'	15	10
48'x40'	20	20

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
100 PSF
Ss =3.08 AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	9
36'x40'	9	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
125 PSF Ss = 3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	10	10
36'x40'	10	15
48'x40'	20	20

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
100 PSF
Ss = 3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	13" O.C.	23" O.C.
36'x40'	13" O.C.	15" O.C.
48'x40'	13" O.C.	11" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
125 PSF
Ss = 3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	8" O.C.	13" O.C.
36'x40'	8" O.C.	8" O.C.
48'x40'	8" O.C.	6" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F–6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR SYSTEMS,
(3) SEE DETAIL 8/F–6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

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APPROVAL – PC ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMAC No.3602 STRUCTURAL STATE OF CALIFORNIA

Date Signed: September 24, 2020

STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

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PC 04–119396

FOUNDATION PLANS

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F-4C

OF 19 SHEETS

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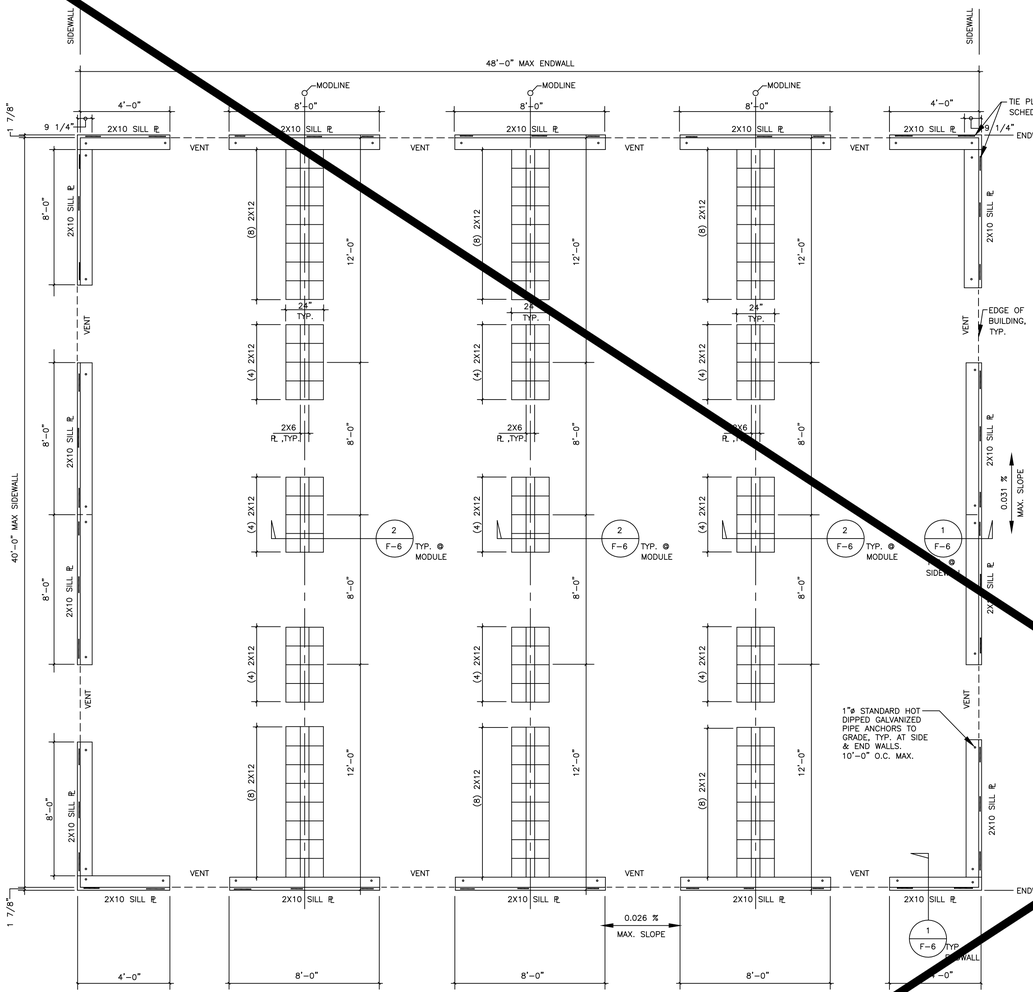
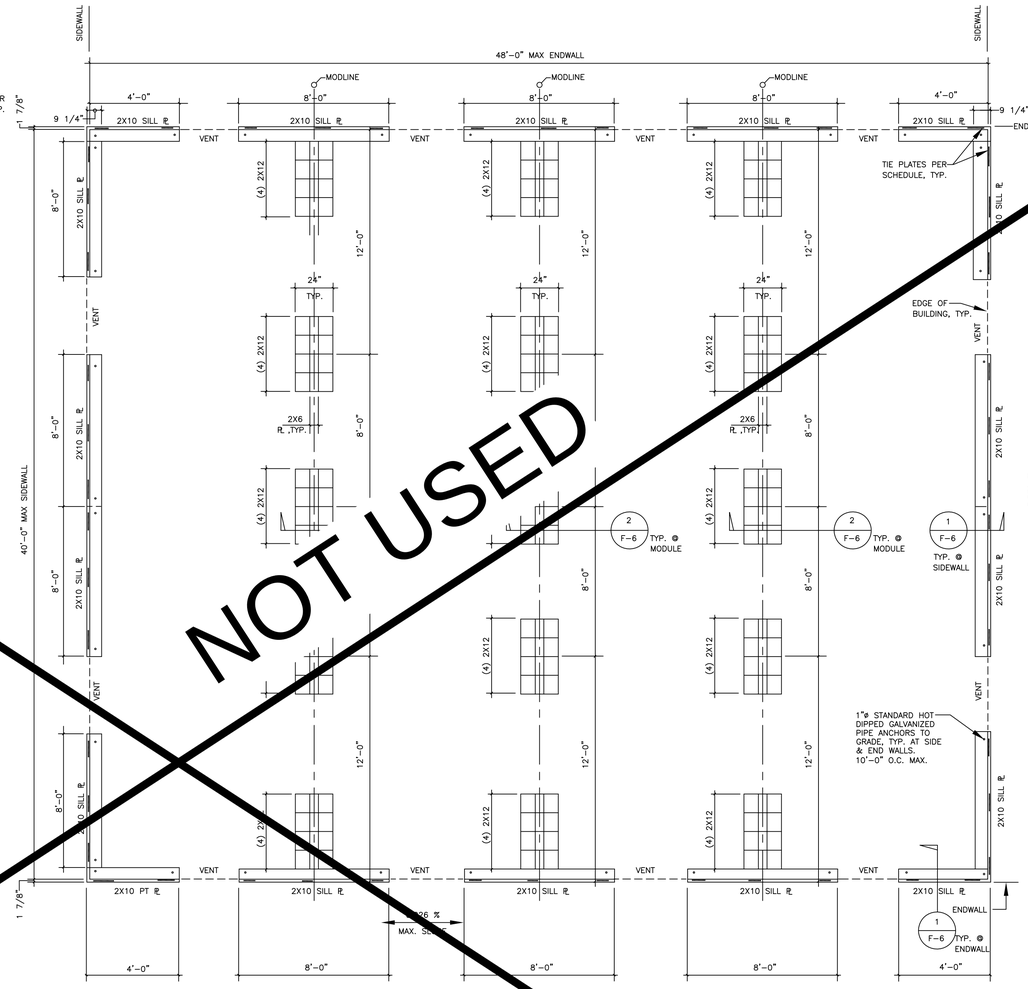


FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

1/4" = 1'-0"



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
2. SEE SHEET F-7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
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4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
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7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16–1.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
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TIE PLATE SCHEDULE: (1) (2)
50 PSF / 50 + 20 PSF
Ss = 2.183

Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	4	4
36'x40'	6	6
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
50 PSF / 50 + 20 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	9	9
36'x40'	7	7
48'x40'	9	9

*End Wall is the 24', 36' or 48' Long Wall of the Building
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SHOT PIN SCHEDULE:
50 PSF / 50 + 20 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	19" O.C.	32" O.C.
36'x40'	19" O.C.	21" O.C.
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(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
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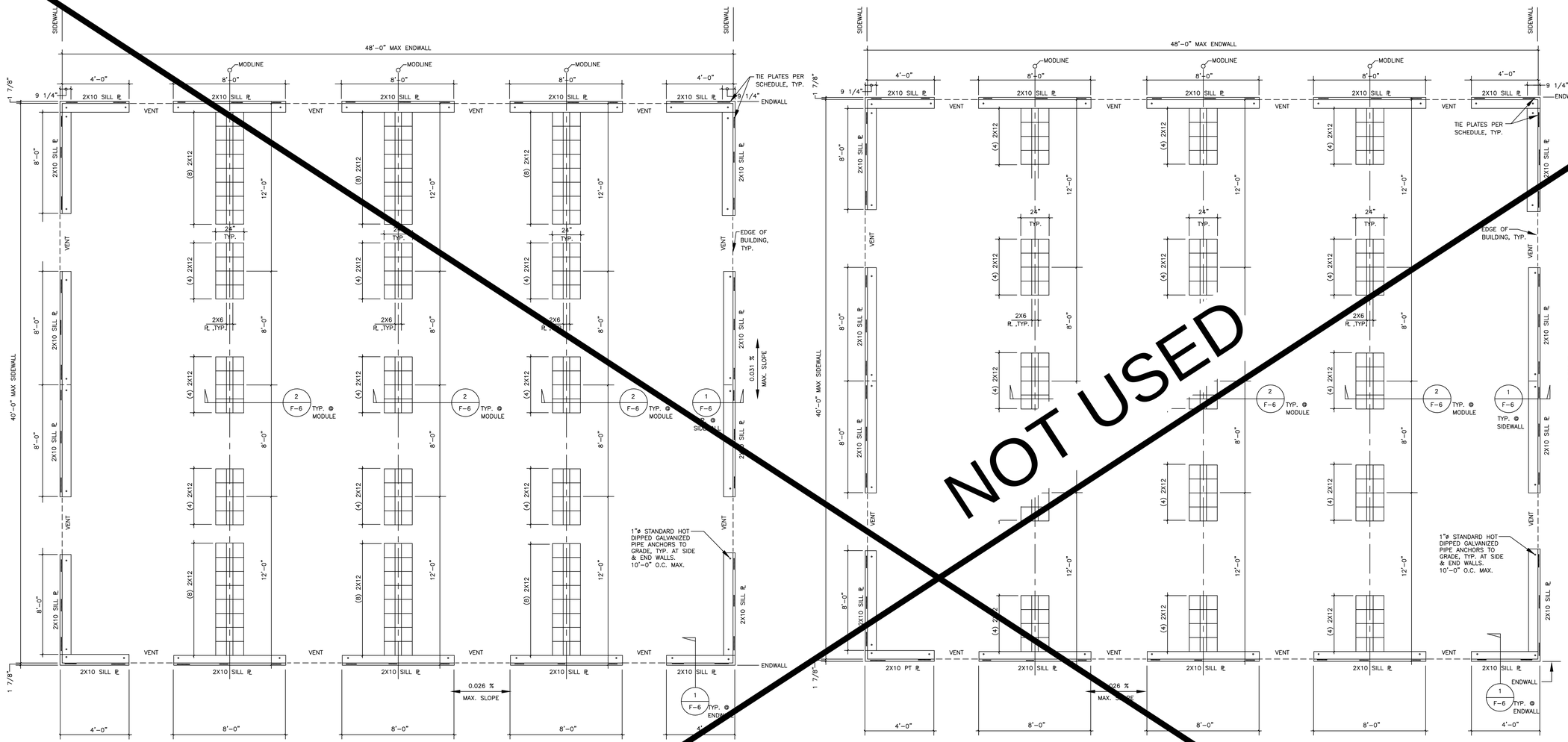
MOBILE MODULAR MANAGEMENT PC 113193 SHEET_F-5.DWG

S_S=3.08 (MAPPED VALUE)



FOUNDATION PLAN — 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

1/4" = 1'-0"

FOUNDATION PLAN — 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOT USED

TIE PLATE SCHEDULE: (1) (2) (3)
50 PSF / 50 + 20 PSF
Ss =3.08

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	9	9
36'x40'	9	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
50 PSF / 50 + 20 PSF
Ss =3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	9	6
36'x40'	9	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
50 PSF / 50 + 20 PSF
Ss = 3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	SHOT PINS PER SIDEWALL
24'x40'	13" O.C.	23" O.C.
36'x40'	13" O.C.	15" O.C.
48'x40'	13" O.C.	11" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
2. SEE SHEET F-7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
6. PROVIDE 2-2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
   PROVIDE 3-2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d COMM. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.

* NOTE: UNDERFLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

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	REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMES No.3602 STRUCTURAL STATE OF CALIFORNIA 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

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CODE: 2019 CBC
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MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

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DATE: 10/29/2020

PC 04-119396

FOUNDATION PLANS

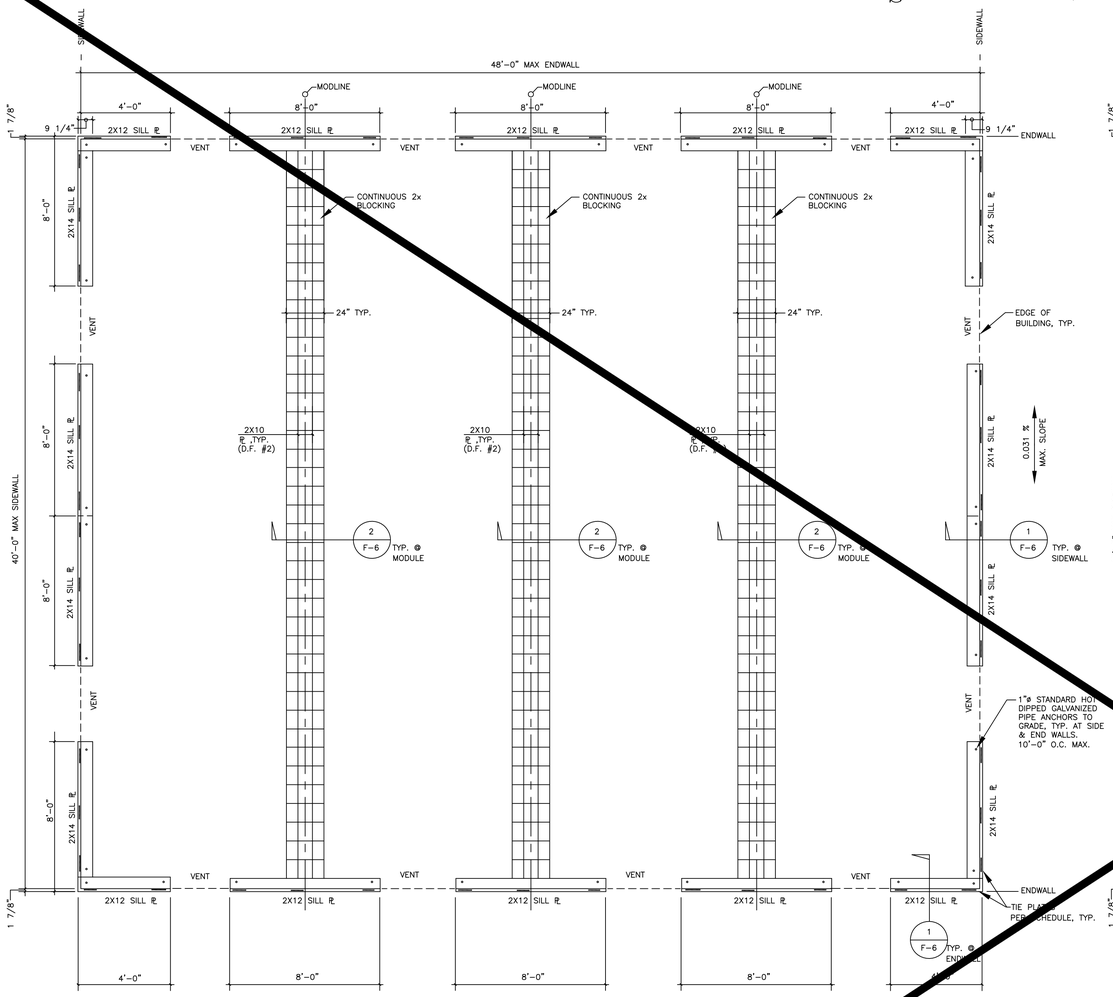
DRAWN
CHECKED
DATE
AUG. 15, 2020
SCALE
JOB NO.

F-5A

OF 19 SHEETS

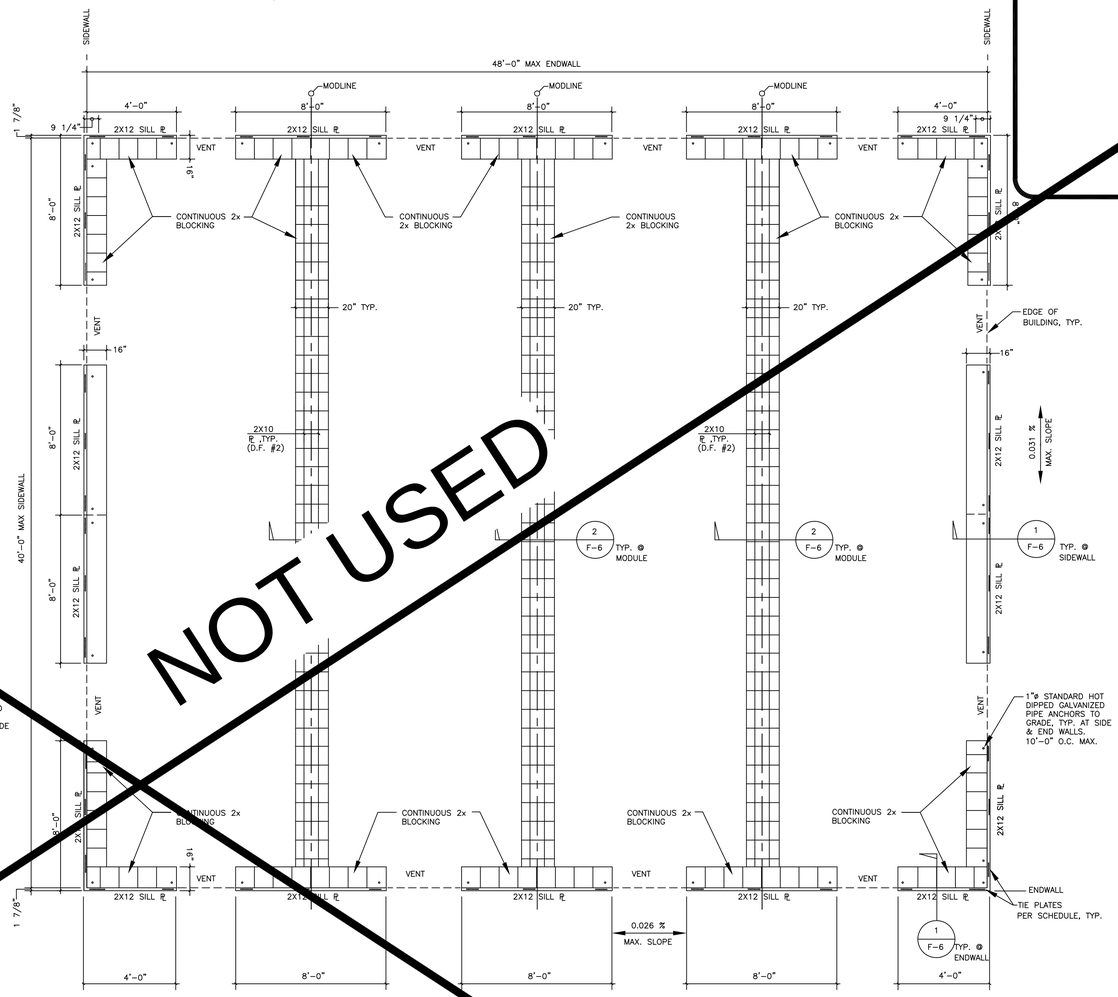
MOBILE MODULAR MANAGEMENT PC 113193 SHEET_F-5.DWG

S_S =2.183 (MAPPED VALUE)



FOUNDATION PLAN – 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"



FOUNDATION PLAN – 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOTES:

1. SEE SHEET F-1 FOR GENERAL NOTES.
2. SEE SHEET F-7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
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7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16-1.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d COMM. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATE WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F-6.

* NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

TIE PLATE SCHEDULE: (1) (2) (3)
100 PSF
Ss = 2.183

Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	4	4
36'x40'	6	6
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
125 PSF
Ss = 2.183

Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	14

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

TIE PLATE SCHEDULE: (1) (2) (3)
100 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	6	6
36'x40'	7	7
48'x40'	9	9

*End Wall is the 24', 36' or 48' Long Wall of the Building
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TIE PLATE SCHEDULE: (1) (2) (3)
125 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL'S PER ENDWALL	NUMBER OF TIE PL'S PER SIDEWALL
24'x40'	7	7
36'x40'	11	11
48'x40'	14	14

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
100 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	19" O.C.	32" O.C.
36'x40'	19" O.C.	21" O.C.
48'x40'	19" O.C.	16" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
**Side Wall is the 40' Long Wall of Each Building

SHOT PIN SCHEDULE:
125 PSF
Ss = 2.183
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	11" O.C.	12" O.C.
36'x40'	11" O.C.	12" O.C.
48'x40'	11" O.C.	9" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building
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(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
(2) USE TIE PLATES FOR ALL MODULAR BUILDING MANUFACTURERS EXCEPT AMERICAN MODULAR
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SITE SPECIFIC APPROVAL

DSA PC STAMP

PRE-CHECK (PC) DOCUMENT
CODE: 2019 CBC
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APPROVAL – PC ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER
JAMES T. SIMPSON
No.3602
STRUCTURAL
STATE OF CALIFORNIA

Date Signed: September 24, 2020

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4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

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OF 19 SHEETS

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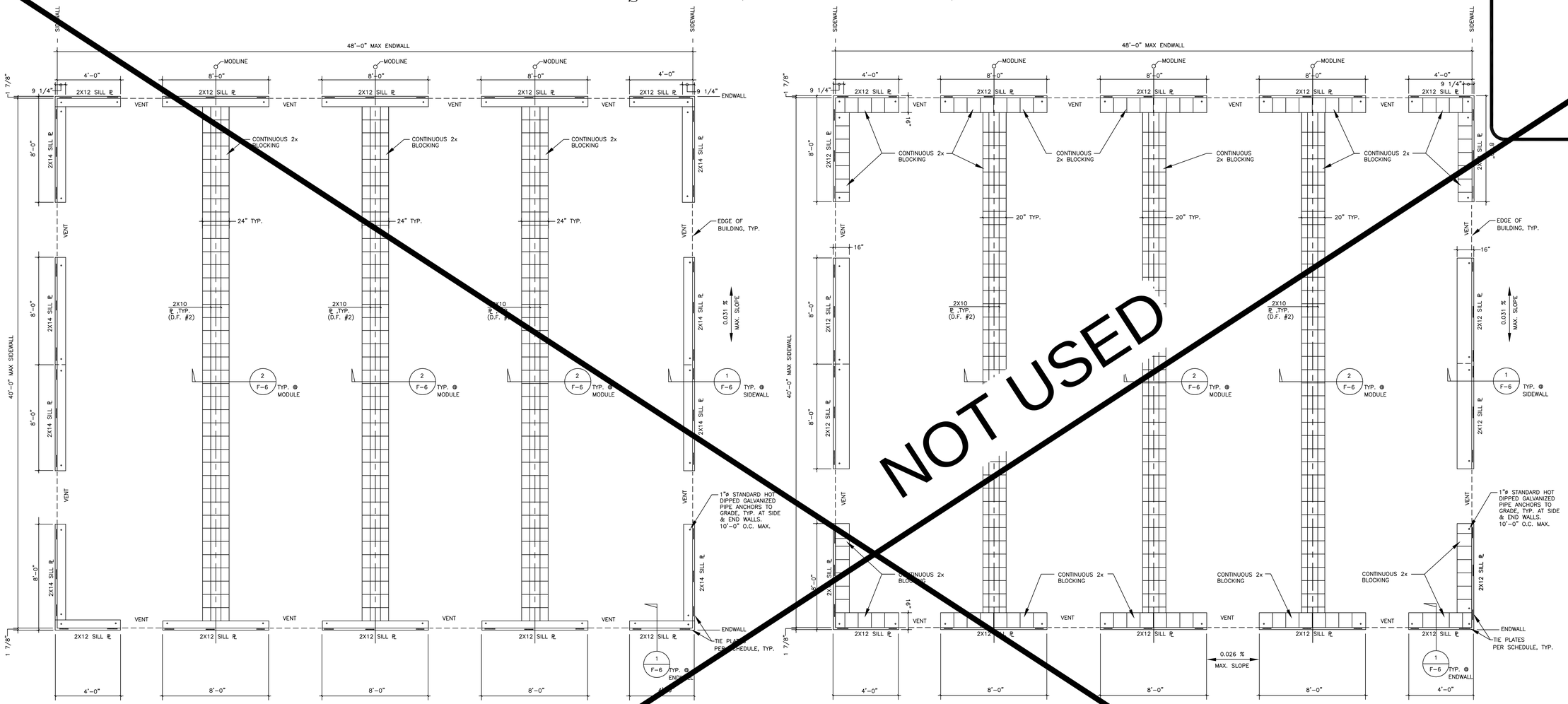

FOUNDATION PLAN – 100 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

FOUNDATION PLAN – 125 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOT USED

TIE PLATE SCHEDULE: (1) (2) (3)
100 PSF
S_S = 3.08

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	6
36'x40'	9	9
48'x40'	12	12

*End Wall is the 24', 36' or 48' Long Wall of the Building

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TIE PLATE SCHEDULE: (1) (2) (3)
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Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	10	10
36'x40'	1[illegible]	1[illegible]
48'x40'	20	20

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TIE PLATE SCHEDULE: (1) (2) (3)
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Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	6	[illegible]
36'x40'	9	9
48'x40'	12	12

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AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
24'x40'	10	10
36'x40'	1[illegible]	15
48'x40'	20	20

*End Wall is the 24', 36' or 48' Long Wall of the Building

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SHOT PIN SCHEDULE:
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AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
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SHOT PIN SCHEDULE:
125 PSF
S_S = 3.08
AMERICAN MODULAR SYSTEMS, INC.

Building Size	NUMBER OF SHOT PINS PER ENDWALL	NUMBER OF SHOT PINS PER SIDEWALL
24'x40'	8" O.C.	13" O.C.
36'x40'	8" O.C.	[illegible]
48'x40'	8" O.C.	6" O.C.

*End Wall is the 24', 36' or 48' Long Wall of the Building

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(1) SEE DETAIL 7/F-6 FOR TYPICAL TIE PLATE
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(3) SEE DETAIL 8/F-6 FOR TIE PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS, INC.

NOTES:

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   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
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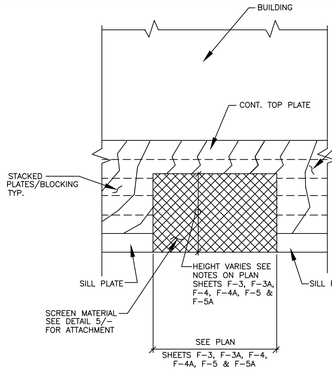
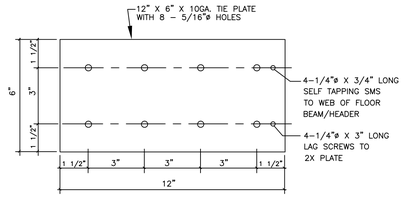
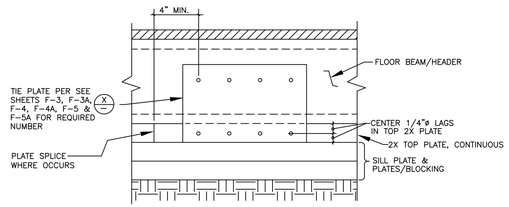


10 SCREEN DETAIL

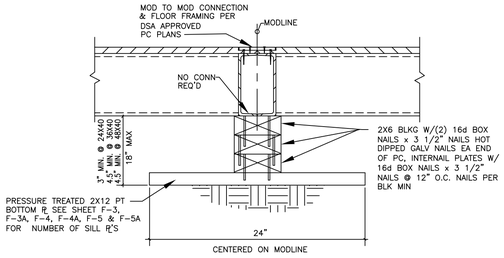
NTS



TIE PLATE X

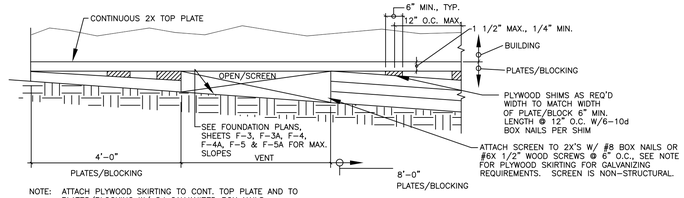


7 TYPICAL FOUNDATION TIE PLATES



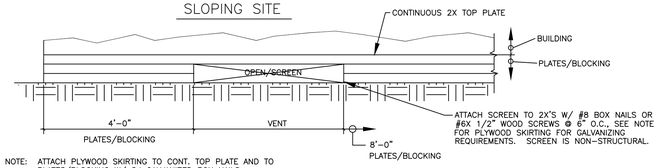
4 MODLINE FOOTING

@ AMERICAN MODULAR SYSTEMS BUILDINGS 1 1/2" = 1'–0"



NOTE: ATTACH PLYWOOD SKIRTING TO CONT. TOP PLATE AND TO PLATES/BLOCKING W/ 8d GALVANIZED BOX NAILS (ELECTRO PLATED, TUMBLE COATED OR HOT DIPPED) @ 6" O.C. FN. SKIRTING IS NON–STRUCTURAL.

SLOPING SITE

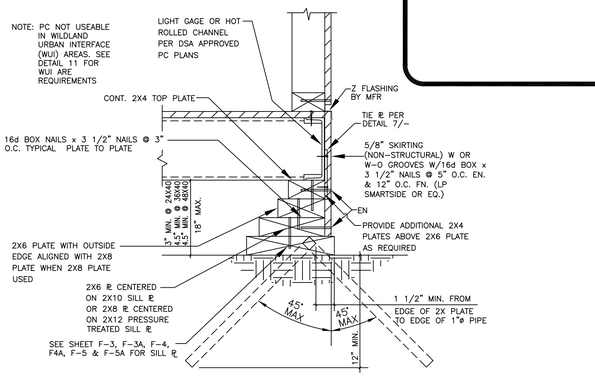


NOTE: ATTACH PLYWOOD SKIRTING TO CONT. TOP PLATE AND TO PLATES/BLOCKING W/ 8d GALVANIZED BOX NAILS (ELECTRO PLATED, TUMBLE COATED OR HOT DIPPED) @ 6" O.C. FN. SKIRTING IS NON–STRUCTURAL.

LEVEL SITE

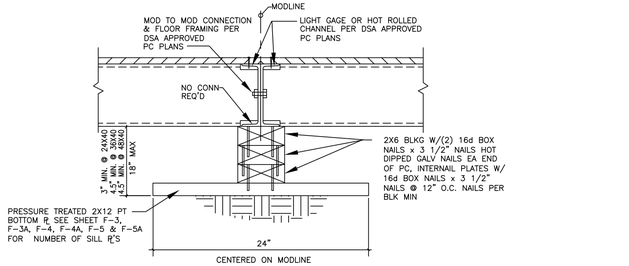
5 PLATE LAYUP @ PERIMETER FTG'S

NTS



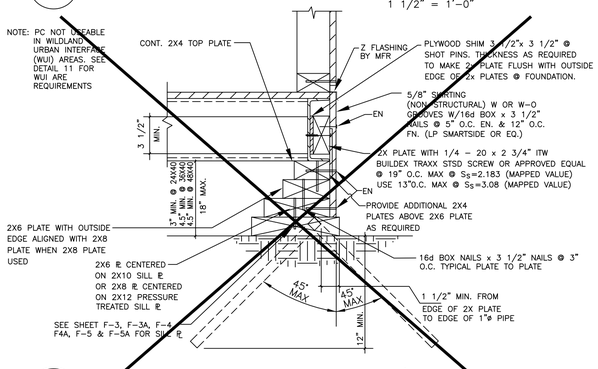
1 END WALL & SIDEWALL SILL ℙ'S

1 1/2" = 1'–0"



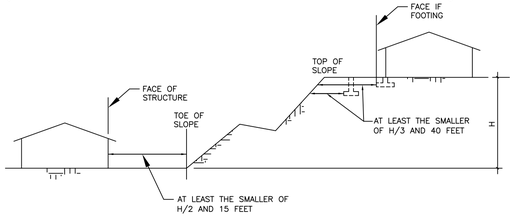
2 MODLINE FOOTING

1 1/2" = 1'–0"



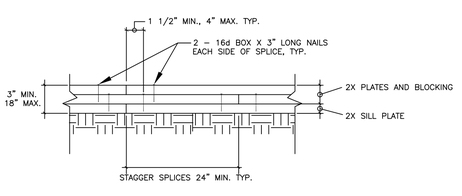
3 END WALL & SIDEWALL SILL ℙ'S

@ AMERICAN MODULAR SYSTEMS BUILDINGS 1 1/2" = 1'–0"



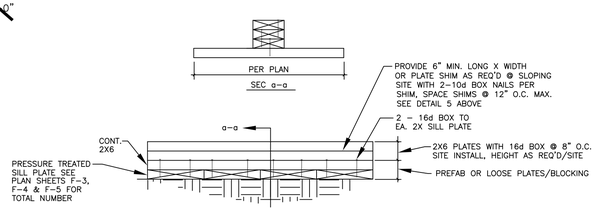
12 FOUNDATION CLEARANCES FROM SLOPES

2019 CBC 1808A.7



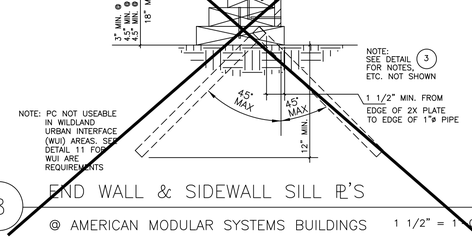
9 TYPICAL 2X PLATE SPLICE

NTS



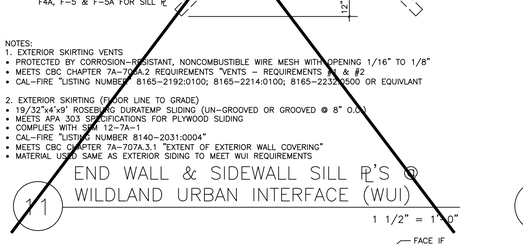
6 PLATE LAYUP @ MODLINE FTG'S

NTS



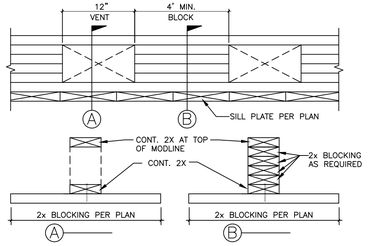
8 END WALL & SIDEWALL SILL ℙ'S

@ AMERICAN MODULAR SYSTEMS BUILDINGS 1 1/2" = 1'–0"



11 END WALL & SIDEWALL SILL ℙ'S @ WILDLAND URBAN INTERFACE (WUI)

1 1/2" = 1'–0"



13 PLATE LAYUP @ MODLINE FTG'S

NTS

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	REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No.3602 STRUCTURAL STATE OF CALIFORNIA Date Signed: September 24, 2020

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Sheet No	Description	Dated	Revised

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APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

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
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DATE: 10/29/2020

PC 04–119396

DETAILS

DRAWN
CHECKED
DATE AUG. 15, 2020
SCALE
JOB NO.

F – 6

OF 19 SHEETS

MOBILE MODULAR MANAGEMENT PC 113193 SHEET_F–6.DWG

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 INCLUDE:

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

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.

THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

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 OR BUMPING.

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 OR SIDING.

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 OR DOC PS-04.
   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 OR 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 FOUNDATION SYSTEM.

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 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:

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120131 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/09/2022

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

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11450 MISSION BLVD.
MIRA LOMA, CA 91752

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APP: 04-119396 PC
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DATE: 10/29/2020

PC 04-119396

GENERAL SPECIFICATIONS

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	REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No.3602 STRUCTURAL STATE OF CALIFORNIA Date Signed: September 24, 2020

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AUG. 15, 2020
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F – 7

OF 19 SHEETS

MOBILE MODULAR MANAGEMENT PC 113193 SHEET_F-7.DWG

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2019 CBC

Application Number: 04-119396	**School Name:** Mobile Modular Management Corp	**School District:** Mobile Modular Management Corp
DSA File Number: PC-127	**Increment Number:**	**Date Created:** 2020-09-01 09:39:04

2019 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2019 CBC).

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

KEY TO COLUMNS

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

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

Application Number: 04-119396	**School Name:** Mobile Modular Management Corp	**School District:** Mobile Modular Management Corp
DSA File Number: PC-127	**Increment Number:**	**Date Created:** 2020-09-01 09:39:04

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents**. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing designed based on minimum allowable pressures per CBC Table 1806A.2 and having no geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

	CONCRETE/MASONRY:
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding") given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding."
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.

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

Application Number: 04-119396	**School Name:** Mobile Modular Management Corp	**School District:** Mobile Modular Management Corp
DSA File Number: PC-127	**Increment Number:**	**Date Created:** 2020-09-01 09:39:04

☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1.16. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

	Welding:
☐	1. Solid-clad and open-mesh gates with maximum leaf span or rolling section for rolling gates of 10' and apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).

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

Application Number: 04-119396	**School Name:** Mobile Modular Management Corp	**School District:** Mobile Modular Management Corp
DSA File Number: PC-127	**Increment Number:**	**Date Created:** 2020-09-01 09:39:04

☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 located in the Steel/Aluminum category).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <plf for distributed systems.

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2019 CBC

Application Number: 04-119396	**School Name:** Mobile Modular Management Corp	**School District:** Mobile Modular Management Corp
DSA File Number: PC-127	**Increment Number:**	**Date Created:** 2020-09-01 09:39:04

Name of Architect or Engineer in general responsible charge:

Name of Structural Engineer (When structural design has been delegated):

Signature of Architect or Structural Engineer: **Date:**

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

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 APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING

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PC 04-119396

DSA FORM 103

SITE SPECIFIC APPROVAL	DSA PC STAMP	APPROVAL – PC ENGINEER OF RECORD
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STRUCTURAL ENGINEERS, INC.
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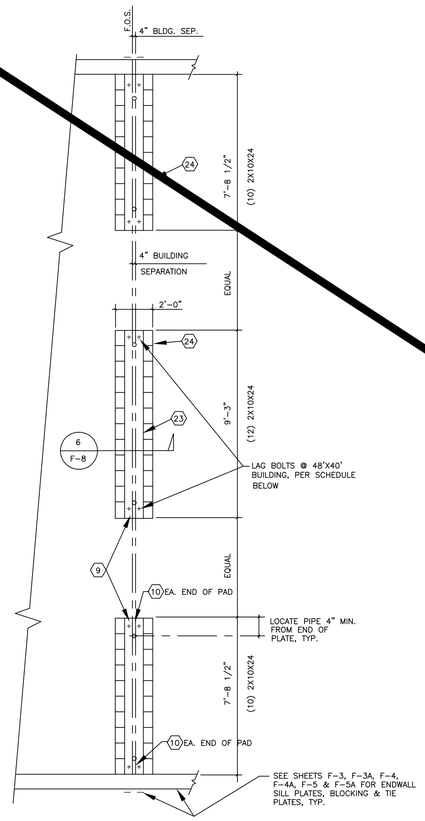
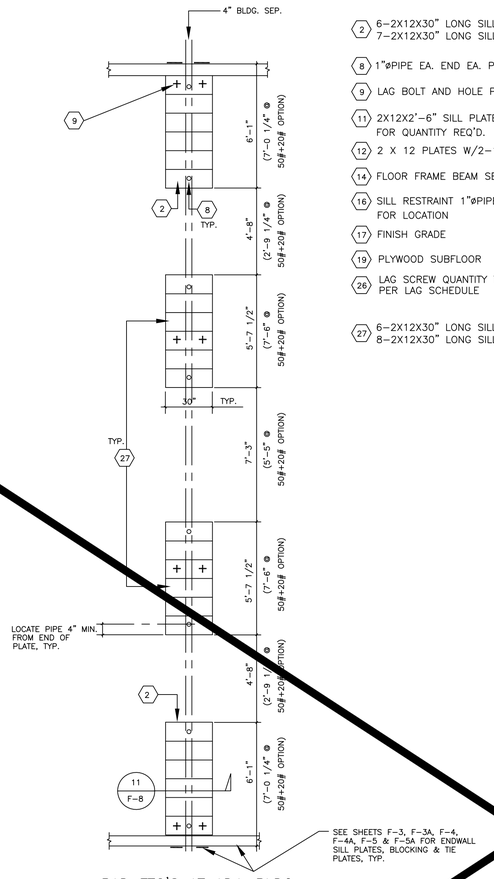
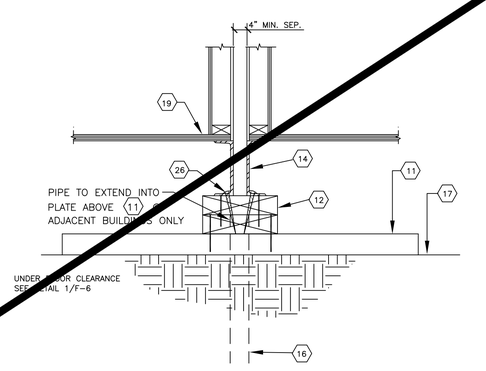




PAD FTG'S AT ADJ. BLDG.



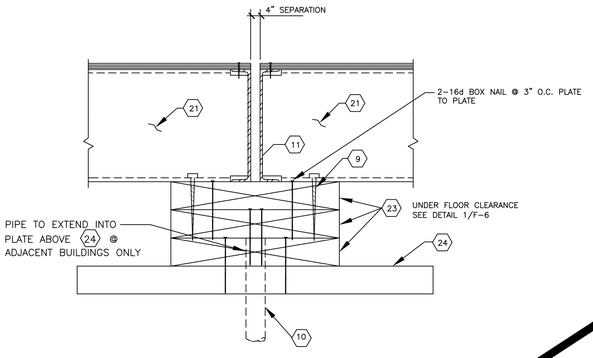
MODTECH, INC.(MT)

ADJACENT BUILDING FOUNDATIONS

SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.

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

11 / F-8



9. LAG BOLT AND HOLE PER LAG SCHEDULE TABLE #1 OR TABLE #2
10. DRIVE 1" 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. 7"X 9.8# STEEL FLOOR CHANNEL
21. FLOOR JOIST OR BLOCK BETWEEN FLOOR JOIST.
23. CONTINUOUS 2X12X(SEE PLAN). NAIL(2) 16d AT EACH END AND 7" O.C.
24. 2X10X24" LONG SILL PADS. P.T.H.F. (SEE PLAN FOR QUANTITY (10) AT ENDS & (12) AT INTERIOR)

MODULAR STRUCTURES INTERNATIONAL, INC. (MB)

ADJACENT BUILDING FOUNDATIONS

SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.

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

6 / F-8

2 6-2X12X30" LONG SILL PADS @ 50 PSF, 7-2X12X30" LONG SILL PADS @ 50 PSF + 20 PSF

8 1"øPIPE EA. END EA. PAD AT ADJ. BLDG LINE

9 LAG BOLT AND HOLE PER LAG SCHEDULE TABLE

11 2X12X2'-6" SILL PLATE SEE FOUND. PLAN FOR QUANTITY REQ'D.

12 2 X 12 PLATES W/2-16d BOX @ 3" O.C.

14 FLOOR FRAME BEAM SEE STRUCTURAL

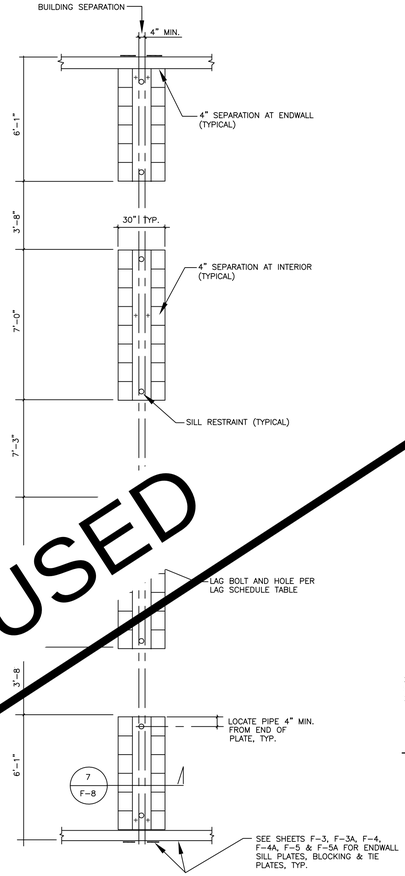
16 SILL RESTRAINT 1"øPIPE SEE FOUND. FOR LOCATION

17 FINISH GRADE

19 PLYWOOD SUBFLOOR

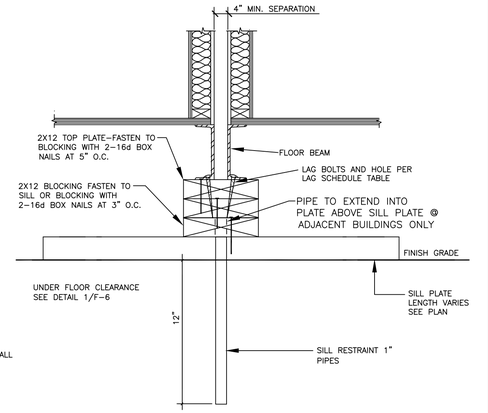
26 LAG SCREW QUANTITY TO BE PROVIDED PER LAG SCHEDULE

27 6-2X12X30" LONG SILL PADS @ 50 PSF, 8-2X12X30" LONG SILL PADS @ 50 PSF + 20 PSF



FOOTINGS AT ADJACENT BUILDING SEPARATION (4" SEPARATION)

PLAN 10X / F-8



4" BUILDING SEPARATION FOOTING 7 / F-8

WALDEN STRUCTURES & CONSTRUCTION (WS)

ADJACENT BUILDING FOUNDATIONS

SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.

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

TABLE 1

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

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
	5/8" x 4"		1/2" x 3-1/2"	
	Ss= 2.183	**Ss= 3.08**	**Ss= 2.183**	**Ss= 3.08**
24'x40'	**9**	6	6	9
36'x40'	6	9	9	13
48'x40'	**9**	12	12	12

TABLE 2

NUMBER OF LAGS PER BUILDING AT ADJACENT BUILDING LINES
125 PSF

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
	5/8" x 4"		1/2" x 3-1/2"	
	Ss= 2.183	**Ss= 3.08**	**Ss= 2.183**	**Ss= 3.08**
24'x40'	7	**11**	10	15
36'x40'		15	**10**	22
48'x40'	**10**	20	21	29

LAG SCHEDULE TABLES

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PC 04-119396
ADJACENT BLDGS

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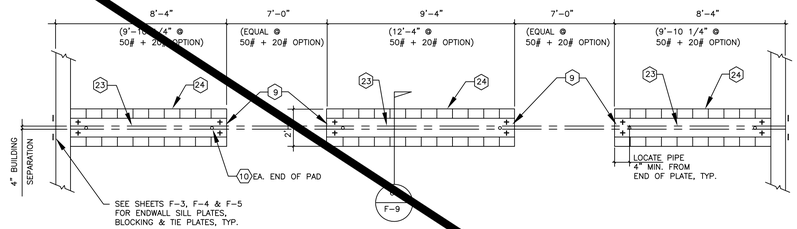
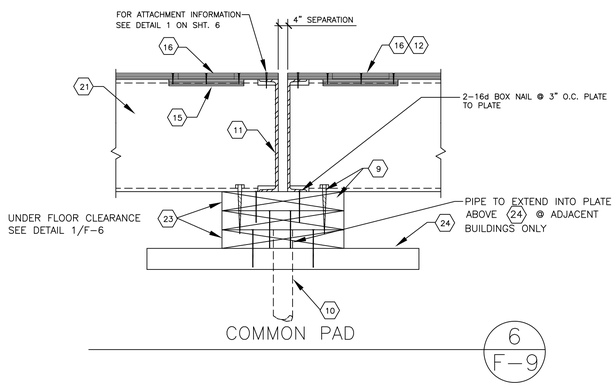


9. LAG BOLT AND HOLE PER LAG SCHEDULE TABLE #1 OR TABLE #2
10. DRIVE 1" STANDARD DIA. X 15" G.I. PIPE @ 10'-0" O.C. MAX. DRILL SILL PLATE 1-1/4" MAX. PIPE MAY BE DRIVEN AT MAX. 45 ANGLE TO VERTICAL
11. STEEL FLOOR CHANNEL
12. 5" DIA. ACCESS HOLE AT MODULE CONNECTION BOLT LOCATIONS.
15. PLYWOOD STRIP – 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 SCREWS EA. END.
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 @ 50# + 20# FLOOR LOAD OPTION)



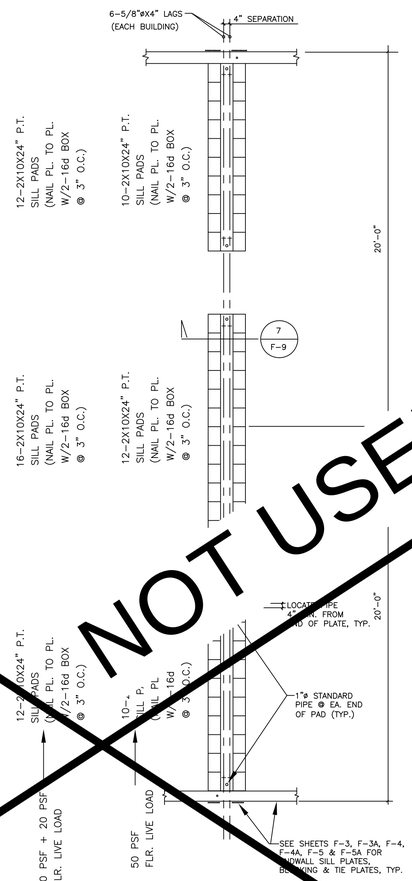
COMMON PAD 6/F-9

AURORA MODULAR INDUSTRIES, INC. (AU)

ADJACENT BUILDING FOUNDATIONS

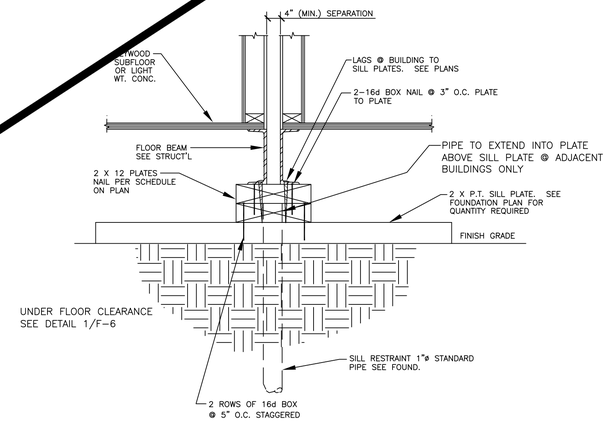
SEE SHEET F-2 FOR DSA APPLICATION NUMBERS.

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



PARTIAL PLAN @ BLDG. SEPARATION

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



4" BLDG. SEPARATION @ FTG. 7/F-9

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 1

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

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
	5/8" x 4"		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

TABLE 2

NUMBER OF LAGS PER BUILDING AT ADJACENT BUILDING LINES
125 PSF

Building Size	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL	NUMBER OF TIE PL's PER ENDWALL	NUMBER OF TIE PL's PER SIDEWALL
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	Ss= 2.183	**Ss= 3.08**	**Ss= 2.183**	**Ss= 3.08**
24'x40'	7	10	10	15
36'x40'	11	15	15	22
48'x40'	14	20	21	29

LAG SCHEDULE TABLES

SITE SPECIFIC APPROVAL	DSA PC STAMP	APPROVAL – PC ENGINEER OF RECORD
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STRUCTURAL ENGINEERS, INC.

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MEMBER
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