

May 26, 2023

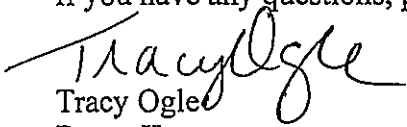
**CLOVIS UNIFIED SCHOOL DISTRICT  
BID 2951 Toilet Room Improvements at Tarpey Elementary School**

**ADDENDUM NO. 2**

This addendum forms a part of the bid/contract documents. It modifies the original project plans, specifications, and instructions. Bidders are required to acknowledge receipt of this addendum on the sheet included with the bid package. Failure to acknowledge receipt of this addendum may subject the bidder to disqualification.

**Revisions and Clarifications Attached.**

If you have any questions, please feel free to contact my office at 559-327-9482.

  
Tracy Ogle  
Buyer II

27-page addendum



**ADDENDUM NO. 2**

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**DATE:** June 23, 2023

**BID NO.** 2951

**TOILET ROOM IMPROVEMENTS AT TARPEY ELEM. SCHOOL**

**CLOVIS UNIFIED SCHOOL DISTRICT  
CLOVIS, CALIFORNIA**

**G.A. PROJECT NO.** 2242A

**NOTICE TO ALL CONTRACTORS SUBMITTING BIDS FOR THIS WORK AND TO ALL PLAN HOLDERS:**

You are hereby notified of the following changes, clarifications or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and subsequent Addenda. This Addendum shall supersede the original Contract Documents, and previous Addenda wherein it contradicts the same and shall take precedence over anything to the contrary therein. All other conditions remain unchanged.

**INDEX OF ADDENDA TRANSMITTED HEREWITH**

Addendum Item AD2-A01 thru AD2-A03

**AD2-A01:      INSURANCE RATING:**

Note: ADDENDUM NO. 1 Insurance document dated May 31, 2023 is within the spec. manual.

**AD2-A02:      REPLACEMENT OF PLANS.:**

Remove entire set of plans from project and replace with attached set of plans dated 6/23/23. The attached plans address the DSA plan review comments.

**AD1-A03:      PROCESSING PROGRAM:**

Contractor shall also comply with the District's KAHUA Construction documentation processing program.

**END OF ADDENDUM**

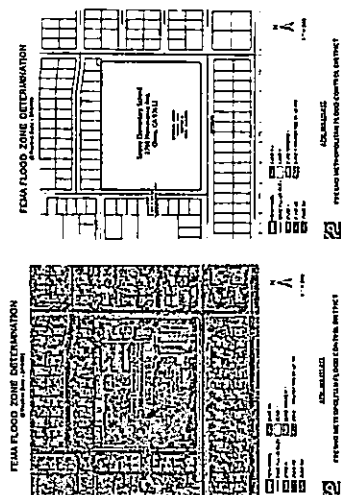
# TOILET ROOM IMPROVEMENTS AT EXISTING RELOC. BUILDING TARPEY ELEMENTARY SCHOOL CLOVIS UNIFIED SCHOOL DISTRICT

**2** **STATEMENT OF GENERAL CONDITIONS**

FOR ALL OTHER CONTRACTS WHO OVER PLANS, CONTRACTORS ARE NOT LIMITED TO WORK IN ANY, A PARTICULAR ORDER OR SEQUENCE UNLESS INDICATED OTHERWISE.

OPERATION NO. \_\_\_\_\_ DATE \_\_\_\_\_ SET NO. \_\_\_\_\_

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, FEES, AND APPROVALS FROM ALL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, FEES, AND APPROVALS FROM ALL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, FEES, AND APPROVALS FROM ALL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PROJECT.



**PROJECT LOCATION**  
TARPEY ELEMENTARY SCHOOL,  
2100 MINNERMANA AVE,  
CLOVIS, CA 95312

**BUILDING BY AREA ALLOWABLE AREA CALCULATION**

AREA DESCRIPTION	TITLE AREA (SQ FT)	ALLOWABLE AREA (SQ FT)	PERCENTAGE (%)
1. Classroom Building	12,000	12,000	100%
2. Gymnasium	10,000	10,000	100%
3. Cafeteria	8,000	8,000	100%
4. Office Building	6,000	6,000	100%
5. Other Buildings	4,000	4,000	100%
<b>Total</b>	<b>40,000</b>	<b>40,000</b>	<b>100%</b>



**SCORE OF MARKS**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, FEES, AND APPROVALS FROM ALL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, FEES, AND APPROVALS FROM ALL AGENCIES AND AUTHORITIES HAVING JURISDICTION OVER THE PROJECT.

**GENERAL NOTES:**

- The scope of work shall include all items shown on the drawings and specified in the project manual. The contractor shall be responsible for obtaining all necessary permits, fees, and approvals from all agencies and authorities having jurisdiction over the project.
- All work shall be completed in accordance with the project manual and applicable codes. The contractor shall be responsible for obtaining all necessary permits, fees, and approvals from all agencies and authorities having jurisdiction over the project.
- All materials and workmanship shall be in accordance with the project manual and applicable codes. The contractor shall be responsible for obtaining all necessary permits, fees, and approvals from all agencies and authorities having jurisdiction over the project.
- All safety measures shall be in accordance with applicable codes and standards. The contractor shall be responsible for obtaining all necessary permits, fees, and approvals from all agencies and authorities having jurisdiction over the project.
- All site cleanup and restoration shall be in accordance with applicable codes and standards. The contractor shall be responsible for obtaining all necessary permits, fees, and approvals from all agencies and authorities having jurisdiction over the project.

**OWNER**

CLOVIS UNIFIED SCHOOL DISTRICT  
400 UNIVERSITY AVENUE  
CLOVIS, CALIFORNIA 95310  
TEL: (505) 231-9000  
FAX: (505) 231-9100

**ELECTRICAL ENGINEER**

HERRIN-BADENOVICH ENGINEERING, INC.  
100 UNIVERSITY AVENUE, SUITE 200  
CLOVIS, CALIFORNIA 95312  
TEL: (505) 231-9700  
FAX: (505) 231-9700

**GOVERNING CODES**

Construction shall comply with the 2012 California Code of Regulations (CCR), including the following:  
 Title 15, Part 1, Section 150000 (California Building Code - CBC)  
 Title 15, Part 1, Section 150001 (California Building Code - CBC) (as amended by C-1)  
 Title 15, Part 1, Section 150002 (California Building Code - CBC) (as amended by C-2)  
 Title 15, Part 1, Section 150003 (California Building Code - CBC) (as amended by C-3)  
 Title 15, Part 1, Section 150004 (California Building Code - CBC) (as amended by C-4)  
 Title 15, Part 1, Section 150005 (California Building Code - CBC) (as amended by C-5)  
 Title 15, Part 1, Section 150006 (California Building Code - CBC) (as amended by C-6)  
 Title 15, Part 1, Section 150007 (California Building Code - CBC) (as amended by C-7)  
 Title 15, Part 1, Section 150008 (California Building Code - CBC) (as amended by C-8)  
 Title 15, Part 1, Section 150009 (California Building Code - CBC) (as amended by C-9)  
 Title 15, Part 1, Section 150010 (California Building Code - CBC) (as amended by C-10)  
 Title 15, Part 1, Section 150011 (California Building Code - CBC) (as amended by C-11)  
 Title 15, Part 1, Section 150012 (California Building Code - CBC) (as amended by C-12)  
 Title 15, Part 1, Section 150013 (California Building Code - CBC) (as amended by C-13)  
 Title 15, Part 1, Section 150014 (California Building Code - CBC) (as amended by C-14)  
 Title 15, Part 1, Section 150015 (California Building Code - CBC) (as amended by C-15)  
 Title 15, Part 1, Section 150016 (California Building Code - CBC) (as amended by C-16)  
 Title 15, Part 1, Section 150017 (California Building Code - CBC) (as amended by C-17)  
 Title 15, Part 1, Section 150018 (California Building Code - CBC) (as amended by C-18)  
 Title 15, Part 1, Section 150019 (California Building Code - CBC) (as amended by C-19)  
 Title 15, Part 1, Section 150020 (California Building Code - CBC) (as amended by C-20)

## SHEET INDEX

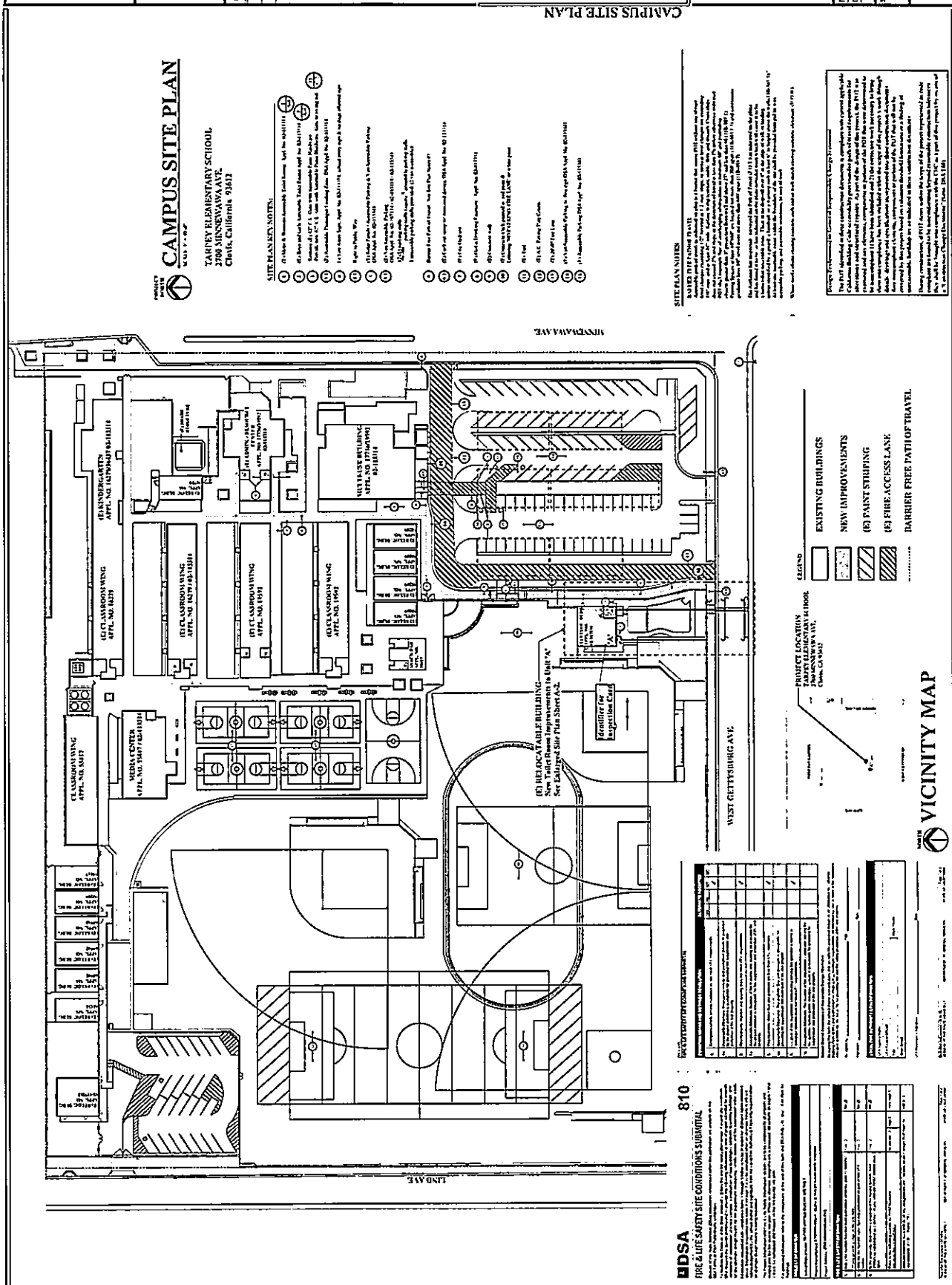
NO.	DESCRIPTION
1	ARCHITECTURAL
2	GENERAL NOTES
3	CONTRACT DOCUMENTS
4	ENLARGED SITE PLAN
5	TOILET ROOM FLOOR PLANS, ELEVATIONS & SCHEDULES
6	DETAILS
7	GENERAL NOTES & DETAILS
8	ELECTRICAL
9	ELECTRICAL SYMBOLS, NOTES, DETAILS
10	ELECTRICAL SITE PLAN
11	FIRE ALARM SYMBOLS, NOTES & CALCULATIONS
12	FIRE ALARM PLAN & SCHEDULE
13	AMERICAN MODULAR SYSTEM DRAWINGS
14	BASED ON APPL. NO. 64-10171H
15	TITLE & BUILDING DATA SHEET
16	GENERAL NOTES
17	EXTERIOR ELEVATIONS
18	CLIPPING, DETAILS & NOTES
19	WOOD CONNECTION PLAN, DETAILS & NOTES
20	FLOOR FINISHING PLAN
21	ROOF FINISHING PLAN & DETAILS
22	FRAMING ELEVATIONS & DETAILS
23	FRAMING ELEVATIONS & DETAILS
24	MECHANICAL PLAN, DETAILS & NOTES
25	ELECTRICAL PLAN, DETAILS & NOTES
26	TOTAL SHEETS: 25

**COVER SHEET**

TARPEY ELEMENTARY SCHOOL  
CLOVIS UNIFIED SCHOOL DISTRICT  
CLOVIS, CALIFORNIA

**GONZALEZ ARCHITECTS**  
1545 N. DEL MAR AVENUE, SUITE 201  
FRESNO, CALIFORNIA 93711  
TEL: 559-491-1545  
JUAN M. GONZALEZ, AIA

PROJECT NO. 210A  
DATE: 07/2012  
SHEET TITLE: COVER SHEET  
C



**CAMPUS SITE PLAN**  
 TERRY REBER ARCHITECTS  
 2798 MINNEAPOLIS AVE.  
 Clovis, California 93612

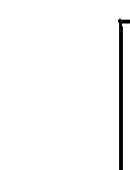
- SITE PLAN NOTES:**
1. All work to be done in accordance with the City of Clovis Ordinance 11.01.01.
  2. All work to be done in accordance with the City of Clovis Ordinance 11.01.02.
  3. All work to be done in accordance with the City of Clovis Ordinance 11.01.03.
  4. All work to be done in accordance with the City of Clovis Ordinance 11.01.04.
  5. All work to be done in accordance with the City of Clovis Ordinance 11.01.05.
  6. All work to be done in accordance with the City of Clovis Ordinance 11.01.06.
  7. All work to be done in accordance with the City of Clovis Ordinance 11.01.07.
  8. All work to be done in accordance with the City of Clovis Ordinance 11.01.08.
  9. All work to be done in accordance with the City of Clovis Ordinance 11.01.09.
  10. All work to be done in accordance with the City of Clovis Ordinance 11.01.10.
  11. All work to be done in accordance with the City of Clovis Ordinance 11.01.11.
  12. All work to be done in accordance with the City of Clovis Ordinance 11.01.12.
  13. All work to be done in accordance with the City of Clovis Ordinance 11.01.13.
  14. All work to be done in accordance with the City of Clovis Ordinance 11.01.14.
  15. All work to be done in accordance with the City of Clovis Ordinance 11.01.15.
  16. All work to be done in accordance with the City of Clovis Ordinance 11.01.16.
  17. All work to be done in accordance with the City of Clovis Ordinance 11.01.17.
  18. All work to be done in accordance with the City of Clovis Ordinance 11.01.18.
  19. All work to be done in accordance with the City of Clovis Ordinance 11.01.19.
  20. All work to be done in accordance with the City of Clovis Ordinance 11.01.20.

**BASED DATE FROM DATE:**  
 This plan is based on the information provided by the applicant and is not a guarantee of accuracy. The applicant is responsible for providing accurate information and for obtaining all necessary permits and approvals from the City of Clovis. The City of Clovis is not responsible for any errors or omissions in this plan or for any consequences arising from the use of this plan. The applicant is responsible for obtaining all necessary permits and approvals from the City of Clovis. The City of Clovis is not responsible for any errors or omissions in this plan or for any consequences arising from the use of this plan.

**810**

**FDSDA**  
 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Item	Description	Compliance
1	Fire Department Access	Compliant
2	Fire Hydrant	Compliant
3	Fire Alarm	Compliant
4	Fire Extinguishers	Compliant
5	Fire Escape	Compliant
6	Fire Exit	Compliant
7	Fire Exit Sign	Compliant
8	Fire Exit Door	Compliant
9	Fire Exit Window	Compliant
10	Fire Exit Stair	Compliant
11	Fire Exit Ramp	Compliant
12	Fire Exit Elevator	Compliant
13	Fire Exit Lift	Compliant
14	Fire Exit Signage	Compliant
15	Fire Exit Lighting	Compliant
16	Fire Exit Alarm	Compliant
17	Fire Exit Communication	Compliant
18	Fire Exit Evacuation	Compliant
19	Fire Exit Assembly	Compliant
20	Fire Exit Discharge	Compliant



MARK	DATE	DESCRIPTION
01/13	01/13	ISSUE FOR PERMITS

**GONZALEZ ARCHITECTS**  
 7245 N. DEL MAR AVENUE, SUITE 202  
 FRESNO, CALIFORNIA 93711  
 TEL: 559-497-1242  
 FAX: 559-497-1249  
 JEAN M. GONZALEZ, AIA

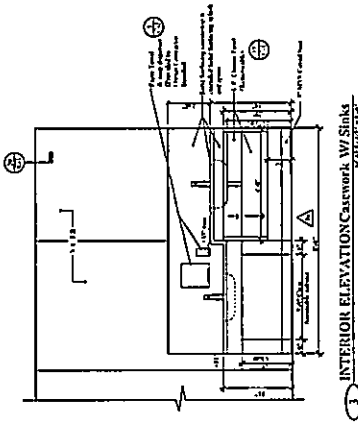
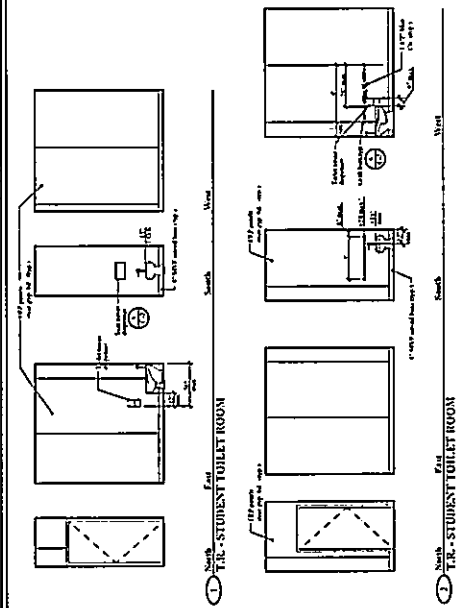
**TOLLET ROOM IMPROVEMENTS AT EXISTING RELOC. BUILDING**  
 TERRY REBER ARCHITECTS  
 CLOVIS UNIFIED SCHOOL DISTRICT  
 CLOVIS, CALIFORNIA

**CAMPUS SITE PLAN**

PROJECT NO. 2174  
 DATE: 8/2003  
 SHEET TITLE  
 CAMPUS SITE PLAN

A-1





3 INTERIOR ELEVATIONS

SCALE 1/4" = 1'-0"

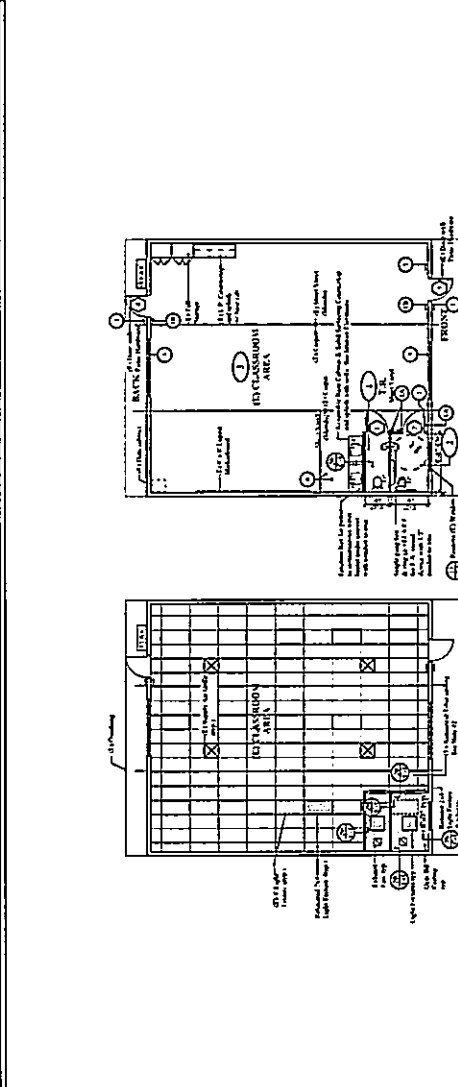
MODULAR CASEWORK SCHEDULE

NO.	DESCRIPTION	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT
1	1" Thick Case Work	1	sq ft	1	sq ft	1	sq ft	1	sq ft	1	sq ft
2	1" Thick Case Work	1	sq ft	1	sq ft	1	sq ft	1	sq ft	1	sq ft
3	1" Thick Case Work	1	sq ft	1	sq ft	1	sq ft	1	sq ft	1	sq ft

OPENING SCHEDULE

SCALE 1/4" = 1'-0"

NO.	DESCRIPTION	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT
1	1" Thick Case Work	1	sq ft	1	sq ft	1	sq ft	1	sq ft	1	sq ft
2	1" Thick Case Work	1	sq ft	1	sq ft	1	sq ft	1	sq ft	1	sq ft
3	1" Thick Case Work	1	sq ft	1	sq ft	1	sq ft	1	sq ft	1	sq ft



4 INTERIOR ELEVATIONS

SCALE 1/4" = 1'-0"

**NOTES:**

1. Refer to Plans for details concerning work.
2. Refer to Specifications for material and workmanship.
3. Refer to Specifications for details concerning work.
4. Refer to Specifications for details concerning work.

**MATERIAL SPECIFICATIONS:**

**CEILING:** 36" x 40" Reflected Ceiling Panels, 1/2" thick, 15 lbs. per sq. ft. Minimum. Minimum 15' x 15' panels.

**FLOORING:** 1/2" thick, 15 lbs. per sq. ft. Minimum. Minimum 15' x 15' panels.

**WALLS:** 1/2" thick, 15 lbs. per sq. ft. Minimum. Minimum 15' x 15' panels.

**DOORS:** 1/2" thick, 15 lbs. per sq. ft. Minimum. Minimum 15' x 15' panels.

**WINDOWS:** 1/2" thick, 15 lbs. per sq. ft. Minimum. Minimum 15' x 15' panels.

**FURNITURE:** 1/2" thick, 15 lbs. per sq. ft. Minimum. Minimum 15' x 15' panels.

**ELECTRICAL:** 1/2" thick, 15 lbs. per sq. ft. Minimum. Minimum 15' x 15' panels.

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**CEILING:** 36" x 40" Reflected Ceiling Panels, 1/2" thick, 15 lbs. per sq. ft. Minimum. Minimum 15' x 15' panels.

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5 INTERIOR ELEVATIONS

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**ELECTRICAL:** 1/2" thick, 15 lbs. per sq. ft. Minimum. Minimum 15' x 15' panels.

**PROJECT NO. 2324**  
**DATE: 6/20/21**

**SHEET TITLE:**  
**T.R. FLOOR PLANS & ELEVATIONS**

**A-3**

**GONZALEZ ARCHITECTS**  
 7445 N. DEL MAR AVENUE, SUITE 202  
 FRESNO, CALIFORNIA 93711  
 TEL: 559-497-1442  
 FAX: 559-497-1449  
 JEAN M. GONZALEZ, AIA

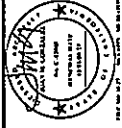
**T.O.L.F. IMPROVEMENTS AT EXISTING RELOC. BUILDING**  
**TARVEY ELEM. SCH. DISTRICT**  
**CLOVIS, CALIFORNIA**

**T.R. FLOOR PLANS & ELEVATIONS**

NO.	DATE	DESCRIPTION
1	6/20/21	ISSUED FOR PERMITS
2	6/20/21	ISSUED FOR PERMITS
3	6/20/21	ISSUED FOR PERMITS

**APPROVED:** [Signature]

**DATE:** 6/20/21

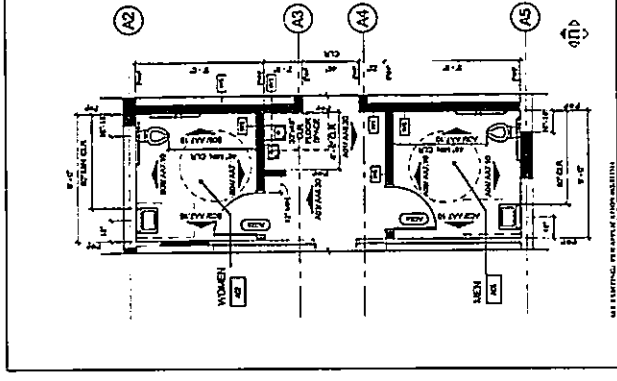
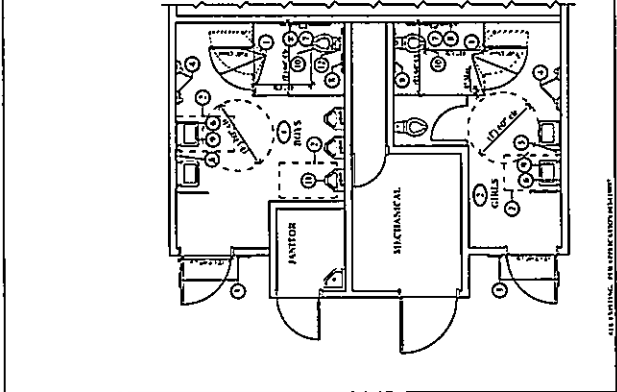
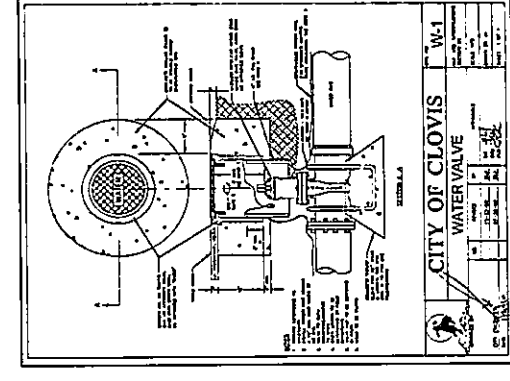
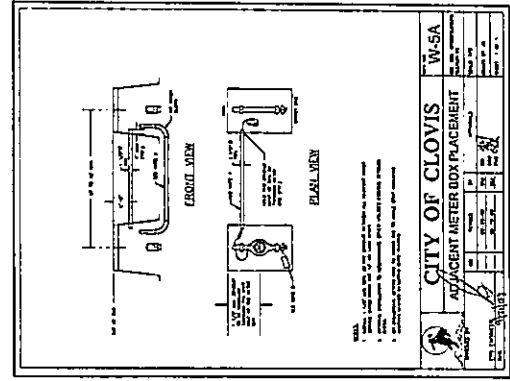
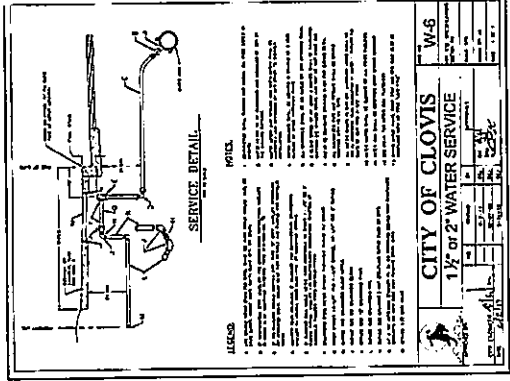
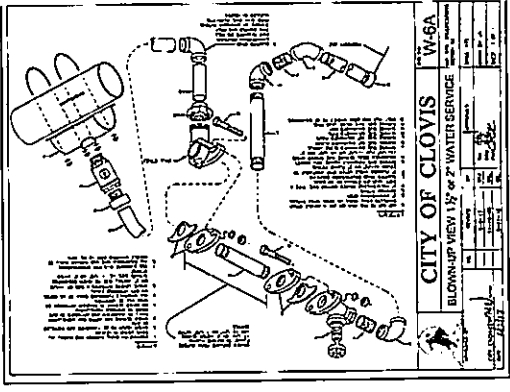


**CONGONZALEZ ARCHITECTS**  
 7445 N. DEL MAR AVENUE, SUITE 201  
 FRESNO, CALIFORNIA 93711  
 TEL: 559-497-1442 FAX: 559-497-1449  
 JUAN M. GONZALEZ, AIA  
 ARCHITECTURE PLANNING

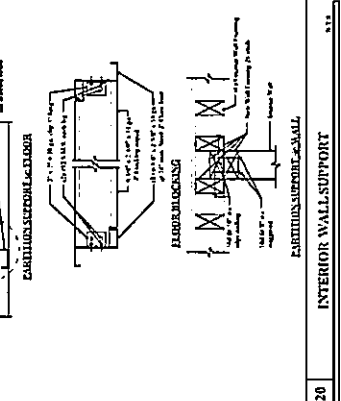
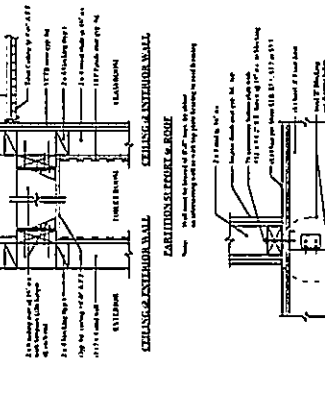
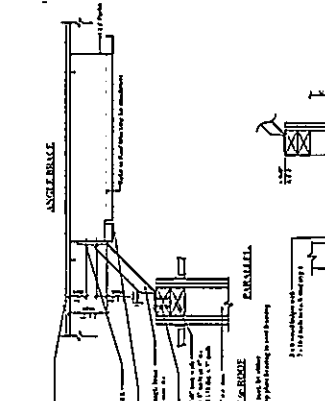
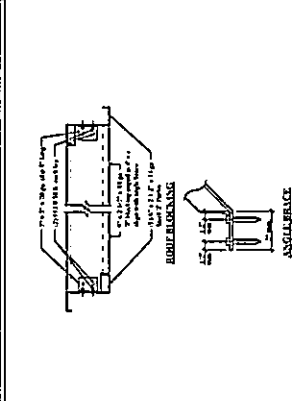
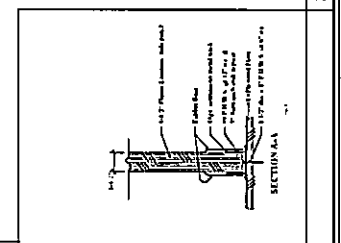
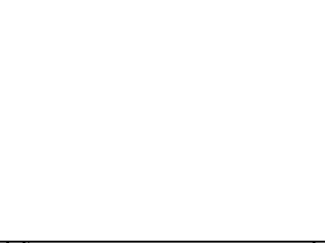
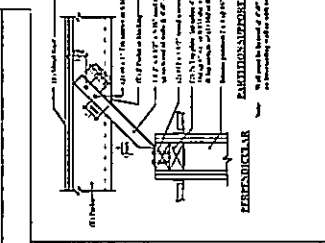
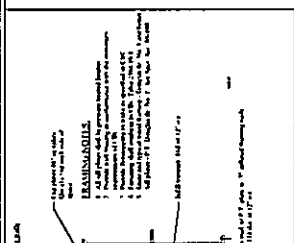
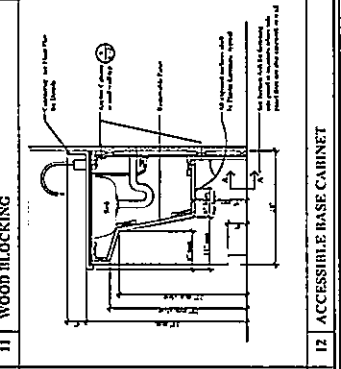
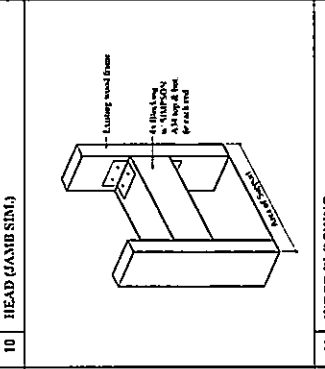
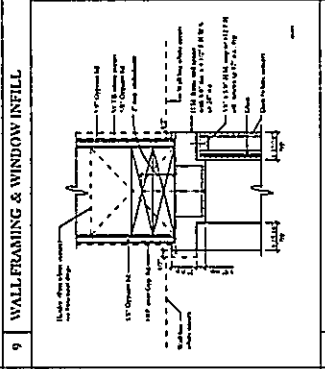
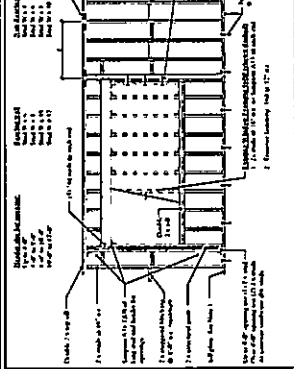
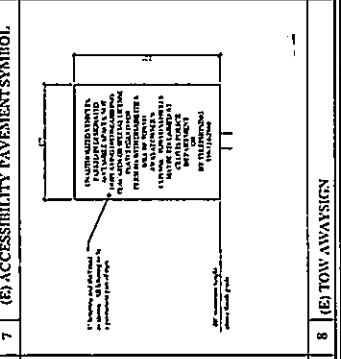
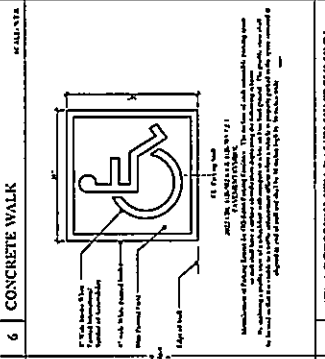
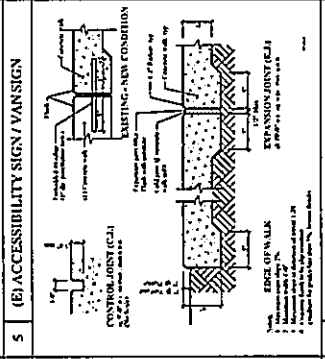
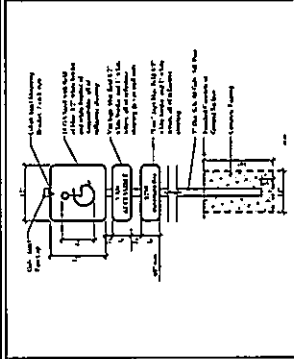
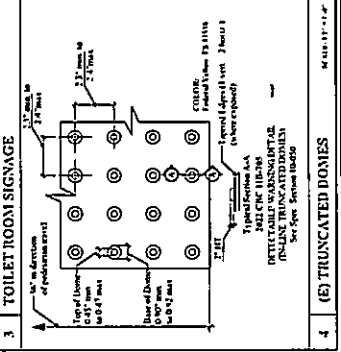
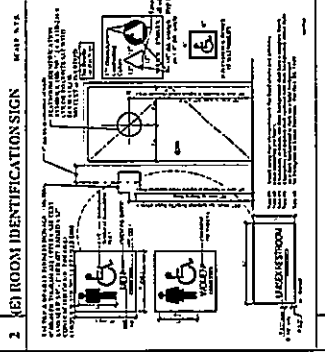
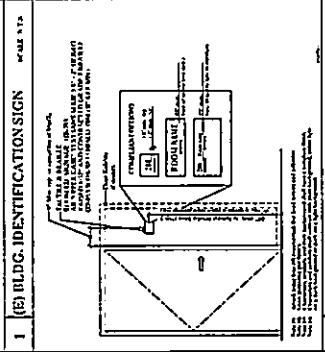
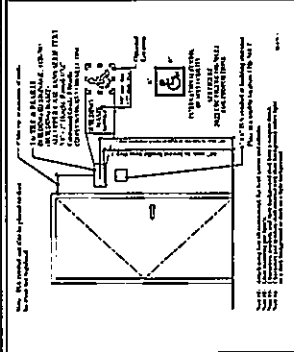


TOLLET ROOM IMPROVEMENTS AT EXISTING HELCO BUILDING  
 CLOVIS, CALIFORNIA  
 TAPER Y. ELIENARY SCHOOL  
 CLOVIS UNIFIED SCHOOL DISTRICT

PROJECT NO. 2142A  
 DATE: 8/1/03  
 SHEET TITLE: DETAILS  
 A-4



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 ALL WORKING PER STATE OF CALIFORNIA



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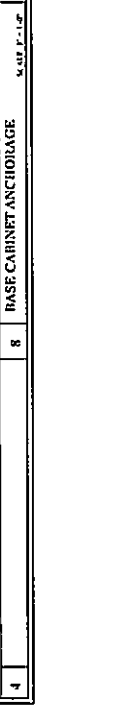
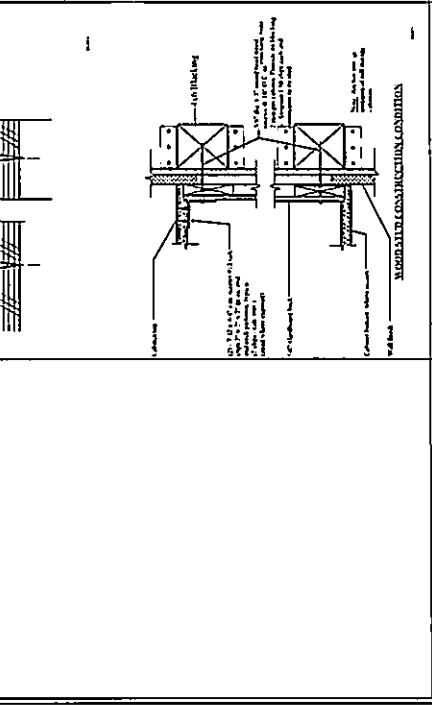
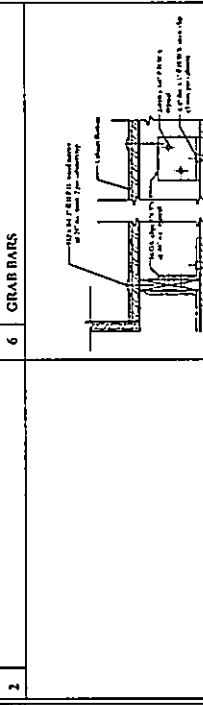
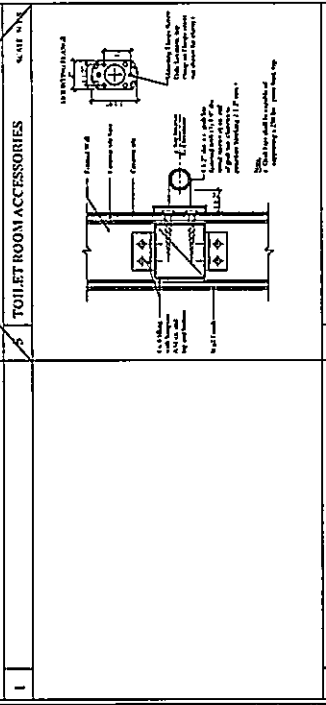
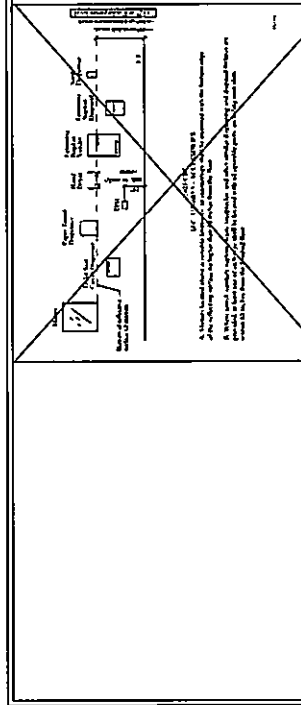
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EXISTING RELOC. BUILDING & TOILET ROOM IMPROVEMENTS  
 AT TAYLOR ELEMENTARY SCHOOL  
 CLOVIS UNIFIED SCHOOL DISTRICT  
 CLOVIS, CALIFORNIA

**GONZALEZ ARCHITECTS**  
 7545 N. DEL MAR AVENUE, SUITE 205  
 FRESNO, CALIFORNIA 93711  
 TEL: 559-497-1545  
 FAX: 559-497-1549  
 JUAN M. GONZALEZ, AIA  
 ARCHITECTURE PLANNING

PROJECT NO: 252A  
 DATE: 8/10/21  
 SHEET TITLE: DETAILS  
 C-1





**GENERAL NOTES**

1. CONSULT THE FOLLOWING CODES AND REGULATIONS FOR THE LATEST EDITIONS AND AMENDMENTS:

- 2018 IBC (International Building Code)
- 2018 IRC (International Residential Code)
- 2018 ASHRAE 90.1 (Energy Efficient Buildings - Minimum Requirements for Energy Efficient Buildings)
- 2018 ASHRAE 189.1 (Green Building - High Performance Green Buildings - Minimum Requirements)
- 2018 ASHRAE 155 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.2 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.3 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.4 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.5 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.6 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.7 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.8 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.9 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.10 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.11 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.12 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.13 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
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- 2018 ASHRAE 189.15 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.16 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
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- 2018 ASHRAE 189.19 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
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- 2018 ASHRAE 189.21 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.22 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
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- 2018 ASHRAE 189.24 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.25 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.26 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
- 2018 ASHRAE 189.27 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
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- 2018 ASHRAE 189.49 (Green Building - High Performance Green Buildings - Minimum Requirements for Green Buildings)
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**GENERAL NOTES & DETAILS**

1. GENERAL NOTES

2. TOILET ROOM ACCESSORIES

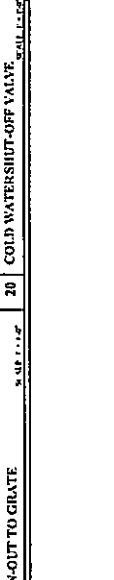
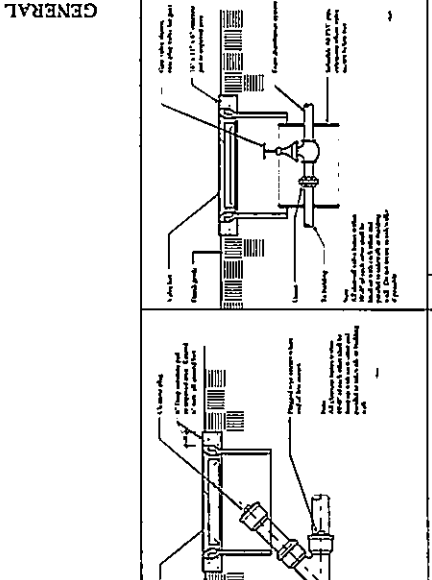
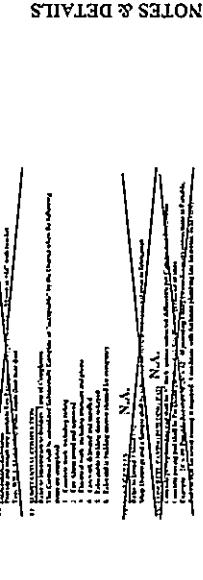
3. GRAB BARS

4. BASE CABINET ANCHORAGE

5. ACCESSIBLE GATE WITH PANIC HARDWARE

6. CLEAN-OUT TO GRATE

7. COLD WATER SHUT-OFF VALVE



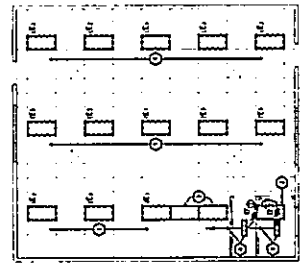
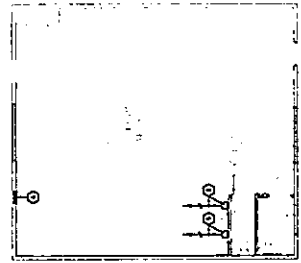


**KEY NOTES**

1. EXISTING LIGHTING SYSTEM TO REMAIN
2. REMOVE EXISTING EXHAUST FAN IN THE REAR WALL AREA, RELOCATE AND RECONNECT TO EXISTING LIGHTING CIRCUIT AND WIRING TO REMAIN
3. RELOCATE EXISTING 241 SWITCH TO THE REAR WALL AREA, RECONNECT TO EXISTING LIGHTING CIRCUIT AND CONTROLS
4. INSTALL NEW 241 SWITCH TO THE REAR WALL AREA, RECONNECT TO EXISTING LIGHTING CIRCUIT
5. RECONNECT TO EXISTING PANEL FOR UNDER COUNTER REFRIGERATOR WATER LINE TO THE REAR WALL AREA
6. EXISTING 241 SWITCH PANEL, ADD 100 AMP 241 SWITCH CIRCUIT BREAKER

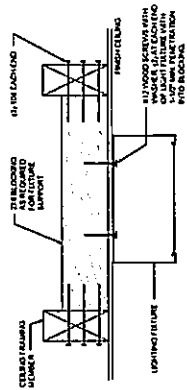
**GENERAL NOTES**

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE, THE NATIONAL ELECTRICAL CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70E, AND THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA) 90.
2. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION AS SHOWN ON THE DRAWINGS.
3. CONDUITS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA) 90. THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA) 90.



**RELO BUILDING ELECTRICAL PLAN**

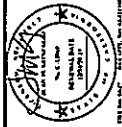
SCALE: 1/8" = 1'-0"



**SURFACE FIXTURE MOUNTING DETAIL**

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

NO.	DATE	DESCRIPTION	DESIGNER
1	04/27/21	ISSUE FOR PERMIT	JM



**MG ONZALEZ ARCHITECTS**  
 7545 N. DEL MAR AVENUE, SUITE 200  
 FRESNO, CALIFORNIA 93711  
 TEL: 559-497-1542 FAX: 559-497-1549  
 JUAN M. GONZALEZ, AIA  
 ARCHITECTURE PLANNING

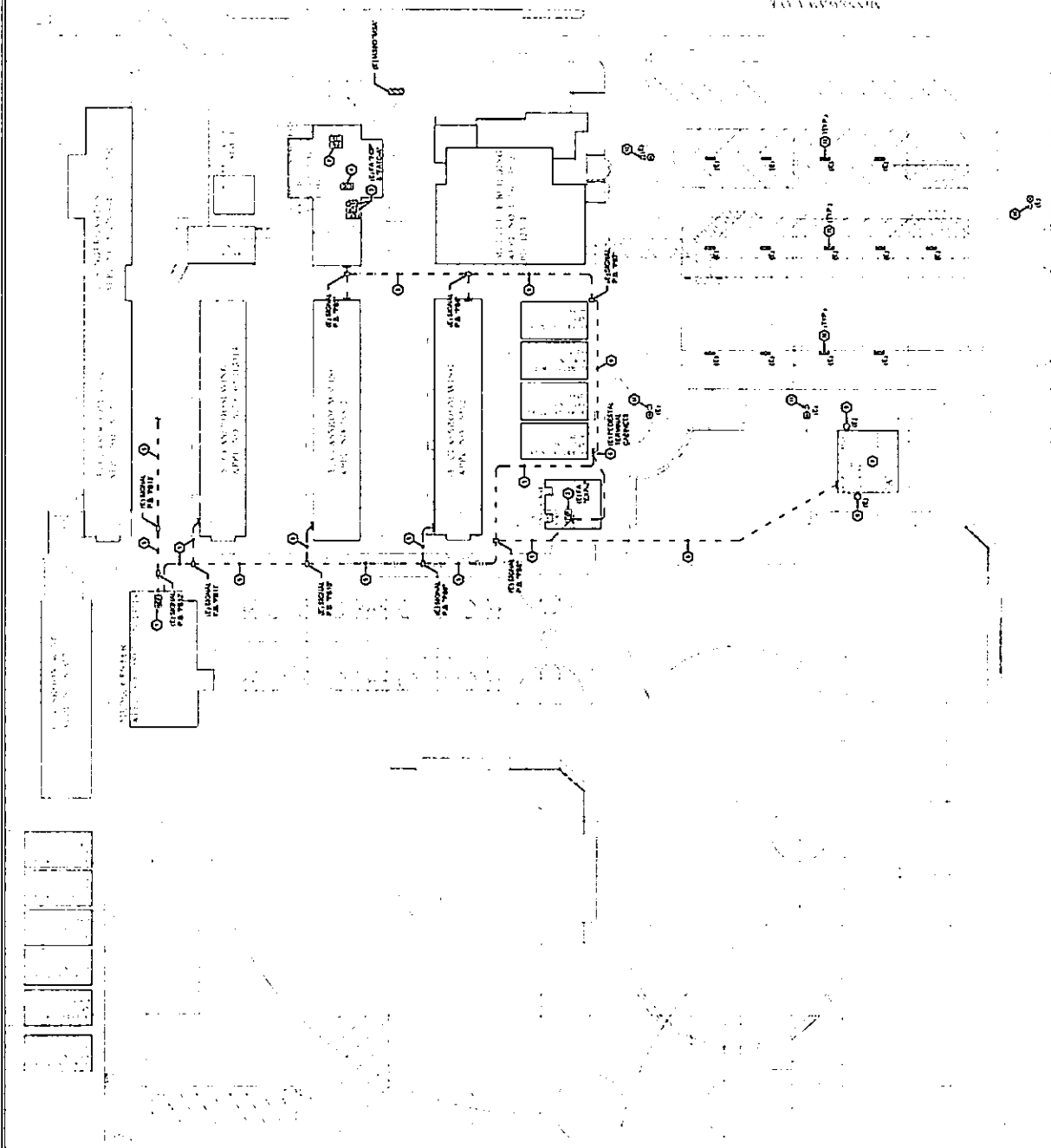
PROJECT NO. 21014  
 DATE: 04/27/21  
 TITLE: RELO BUILDING ELECTRICAL PLAN  
 SHEET: E-2



**HD** HD Engineering  
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### KEY NOTES

1. EXISTING DATA
2. EXISTING LOW VOLTAGE SYSTEM READINGS, TIE AND FAN MAKE
3. EXISTING FIRE ALARM CONTROL PANEL AND FIRE ALARM CONTROL WORK RELOCATED TO NEW WORK CENTER
4. EXISTING FIRE ALARM LOGICAL CONTROL IN CONSULT WITH APPLICATOR AND OASIS
5. EXISTING DATA AND LOW VOLTAGE SYSTEM CONDUIT AND CABLEING
6. EXISTING METAL MOUNTED (TERRAZZO) LIGHT FIXTURES AND LOW VOLTAGE SYSTEM CABLEING
7. EXISTING FIRE ALARM CONTROL PANEL
8. EXISTING LOW VOLTAGE SYSTEMS TO BE RELOCATED TO NEW WORK CENTER
9. EXISTING EXTERIOR LIGHTING FIXTURES TO BE REPLACED BY EXISTING MANUFACTURER
10. EXISTING EXTERIOR LIGHTING



### ELECTRICAL SITE PLAN

DATE: 11-20-2024

PROJECT: AT TAREY ELEMENTARY SCHOOL

DATE: 11-20-2024



**H.D. Engineering**  
 H.D. Engineering  
 1000 N. G Street  
 Clovis, CA 93611  
 (559) 299-1450

PROJECT NO: 2024  
 DATE: 11/20/24

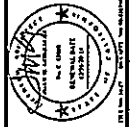
SHEET TITLE:  
**ELECTRICAL SITE PLAN**

**E-3**

**MG GONZALEZ ARCHITECTS**  
 7545 N. DEL MAR AVENUE, SUITE 200  
 FRESNO, CALIFORNIA 93711  
 TEL: 559-497-1450 FAX: 559-497-1459  
 JUAN M. GONZALEZ, AIA  
 ARCHITECTURE PLANNING

EXISTING RELOC. BUILDING & TOILET ROOM IMPROVEMENTS  
 AT TAREY ELEMENTARY SCHOOL  
 CLOVIS UNIFIED SCHOOL DISTRICT  
 CLOVIS, CALIFORNIA

NO.	DATE	DESCRIPTION
1	11/20/24	ISSUE FOR PERMITS
2	11/20/24	ISSUE FOR PERMITS
3	11/20/24	ISSUE FOR PERMITS
4	11/20/24	ISSUE FOR PERMITS
5	11/20/24	ISSUE FOR PERMITS
6	11/20/24	ISSUE FOR PERMITS
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17	11/20/24	ISSUE FOR PERMITS
18	11/20/24	ISSUE FOR PERMITS
19	11/20/24	ISSUE FOR PERMITS
20	11/20/24	ISSUE FOR PERMITS



H.D. Engineering  
 H.D. Engineering  
 1000 N. G Street  
 Clovis, CA 93611  
 (559) 299-1450

### FIRE ALARM GENERAL NOTES

1. FIRE ALARM SYSTEMS SHALL BE CLASSIFIED AS CLASS 1.
2. ALL WORK SHALL COMPLY WITH THE CALIFORNIA FIRE ALARM AND NOTIFICATION ACT (F.A.N.A.), CALIFORNIA ELECTRICAL CODE (CEC) AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
3. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL BE SUBJECT TO THE REQUIREMENTS OF THE CALIFORNIA FIRE ALARM AND NOTIFICATION Act (F.A.N.A.), CALIFORNIA ELECTRICAL CODE (CEC) AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
4. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A CERTIFICATION LETTER OF THE ENTIRE SYSTEM SHALL BE MADE BY THE CONTRACTOR TO THE AUTHORITY HAVING JURISDICTION OVER THE SYSTEM.
5. A STATEMENT OF WORK (SOW) SHALL BE PROVIDED TO THE AUTHORITY HAVING JURISDICTION OVER THE SYSTEM.
6. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
7. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE (CEC) AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
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### FIRE ALARM SYMBOLS

SYMBOL	NAME	DESCRIPTION	CSEM
1	1. FIRE ALARM CONTROL PANEL	1. FIRE ALARM CONTROL PANEL	1. FIRE ALARM CONTROL PANEL
2	2. FIRE ALARM NOTIFICATION DEVICE	2. FIRE ALARM NOTIFICATION DEVICE	2. FIRE ALARM NOTIFICATION DEVICE
3	3. FIRE ALARM DETECTOR	3. FIRE ALARM DETECTOR	3. FIRE ALARM DETECTOR
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24	24. FIRE ALARM DETECTOR	24. FIRE ALARM DETECTOR	24. FIRE ALARM DETECTOR
25	25. FIRE ALARM DETECTOR	25. FIRE ALARM DETECTOR	25. FIRE ALARM DETECTOR
26	26. FIRE ALARM DETECTOR	26. FIRE ALARM DETECTOR	26. FIRE ALARM DETECTOR
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36	36. FIRE ALARM DETECTOR	36. FIRE ALARM DETECTOR	36. FIRE ALARM DETECTOR
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47	47. FIRE ALARM DETECTOR	47. FIRE ALARM DETECTOR	47. FIRE ALARM DETECTOR
48	48. FIRE ALARM DETECTOR	48. FIRE ALARM DETECTOR	48. FIRE ALARM DETECTOR
49	49. FIRE ALARM DETECTOR	49. FIRE ALARM DETECTOR	49. FIRE ALARM DETECTOR
50	50. FIRE ALARM DETECTOR	50. FIRE ALARM DETECTOR	50. FIRE ALARM DETECTOR

### FIRE ALARM CABLE SCHEDULE

SYMBOL	NAME	DESCRIPTION
1	1. FIRE ALARM CONTROL PANEL	1. FIRE ALARM CONTROL PANEL
2	2. FIRE ALARM NOTIFICATION DEVICE	2. FIRE ALARM NOTIFICATION DEVICE
3	3. FIRE ALARM DETECTOR	3. FIRE ALARM DETECTOR
4	4. FIRE ALARM DETECTOR	4. FIRE ALARM DETECTOR
5	5. FIRE ALARM DETECTOR	5. FIRE ALARM DETECTOR
6	6. FIRE ALARM DETECTOR	6. FIRE ALARM DETECTOR
7	7. FIRE ALARM DETECTOR	7. FIRE ALARM DETECTOR
8	8. FIRE ALARM DETECTOR	8. FIRE ALARM DETECTOR
9	9. FIRE ALARM DETECTOR	9. FIRE ALARM DETECTOR
10	10. FIRE ALARM DETECTOR	10. FIRE ALARM DETECTOR
11	11. FIRE ALARM DETECTOR	11. FIRE ALARM DETECTOR
12	12. FIRE ALARM DETECTOR	12. FIRE ALARM DETECTOR
13	13. FIRE ALARM DETECTOR	13. FIRE ALARM DETECTOR
14	14. FIRE ALARM DETECTOR	14. FIRE ALARM DETECTOR
15	15. FIRE ALARM DETECTOR	15. FIRE ALARM DETECTOR
16	16. FIRE ALARM DETECTOR	16. FIRE ALARM DETECTOR
17	17. FIRE ALARM DETECTOR	17. FIRE ALARM DETECTOR
18	18. FIRE ALARM DETECTOR	18. FIRE ALARM DETECTOR
19	19. FIRE ALARM DETECTOR	19. FIRE ALARM DETECTOR
20	20. FIRE ALARM DETECTOR	20. FIRE ALARM DETECTOR
21	21. FIRE ALARM DETECTOR	21. FIRE ALARM DETECTOR
22	22. FIRE ALARM DETECTOR	22. FIRE ALARM DETECTOR
23	23. FIRE ALARM DETECTOR	23. FIRE ALARM DETECTOR
24	24. FIRE ALARM DETECTOR	24. FIRE ALARM DETECTOR
25	25. FIRE ALARM DETECTOR	25. FIRE ALARM DETECTOR
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47	47. FIRE ALARM DETECTOR	47. FIRE ALARM DETECTOR
48	48. FIRE ALARM DETECTOR	48. FIRE ALARM DETECTOR
49	49. FIRE ALARM DETECTOR	49. FIRE ALARM DETECTOR
50	50. FIRE ALARM DETECTOR	50. FIRE ALARM DETECTOR

### BATTERY CALCULATION

(6) NAC Emergency Exp J

POWER REQUIREMENTS	CURRENT (A)	ALARM
(1) Panel Overhaul	0.075	0.200
(2) NAC Control Unit	0.075	0.400
(3) NAC Control Unit (10.0.0.0.0.0)	0.075	0.400
TOTALS	0.225	1.000

BATTERY CAPACITY

24 Hr. Capacity	1.000 AH
2 Hr. Capacity	0.250 AH
TOTAL POWER REQUIREMENT	2.000 AH
AVAILABLE BATTERY CAPACITY (EXCESSIVE 25% BATTERY RESERVE)	7.500 AH

BASE ON THE CALCULATION, IT IS NOT REQUIRED TO UPGRADE THE EXISTING BATTERY CAPACITY 7.5 AH WITH THE ABOVE NAC DEVICES

### VOLTAGE DROP CALCULATION

(6) NAC Control Unit (for existing and new devices)

$$V_{VD} = \frac{V_{L} \times I_{L} \times K \times L}{1000 \times CM}$$

$V_L = 120V$  (Nominal Voltage)  
 $I_L = 0.225A$  (Total Load Current)  
 $K = 179$  (Copper Constant)  
 $L = 100$  (Distance in Feet)  
 $CM = 100$  (Cable Cross Sectional Area)  
 $V_{VD} = \frac{120 \times 0.225 \times 179 \times 100}{1000 \times 100} = 0.477V$

$V_{VD} = 0.477V$   
 $V_{D} = 24$   
 $V_{D} \% = \frac{0.477}{24} \times 100 = 1.99\%$

VOLTAGE DROP EXCEEDED FROM 2%

### FIRE ALARM CALCULATIONS

(6) NAC Control Unit (for existing and new devices)

POWER REQUIREMENTS	CURRENT (A)	ALARM
(1) Panel Overhaul	0.075	0.200
(2) NAC Control Unit	0.075	0.400
(3) NAC Control Unit (10.0.0.0.0.0)	0.075	0.400
TOTALS	0.225	1.000

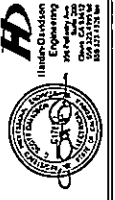
BATTERY CAPACITY

24 Hr. Capacity	1.000 AH
2 Hr. Capacity	0.250 AH
TOTAL POWER REQUIREMENT	2.000 AH
AVAILABLE BATTERY CAPACITY (EXCESSIVE 25% BATTERY RESERVE)	7.500 AH

BASE ON THE CALCULATION, IT IS NOT REQUIRED TO UPGRADE THE EXISTING BATTERY CAPACITY 7.5 AH WITH THE ABOVE NAC DEVICES

1

2



James Division  
Professional Engineer  
10000  
Exp. 12/31/18

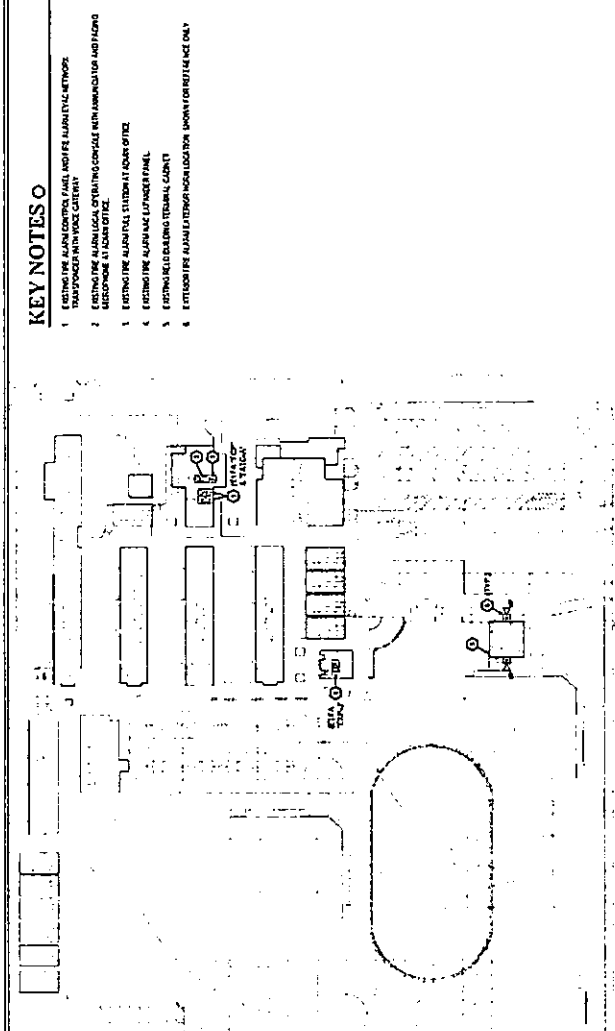
E-4

PROJECT NO. 12124  
DATE: 1/1/2017

EXISTING RELOC BUILDING & TOILET ROOM IMPROVEMENTS  
AT TERRY ELEMENTARY SCHOOL  
CLOVIS UNIFIED SCHOOL DISTRICT  
CLOVIS, CALIFORNIA



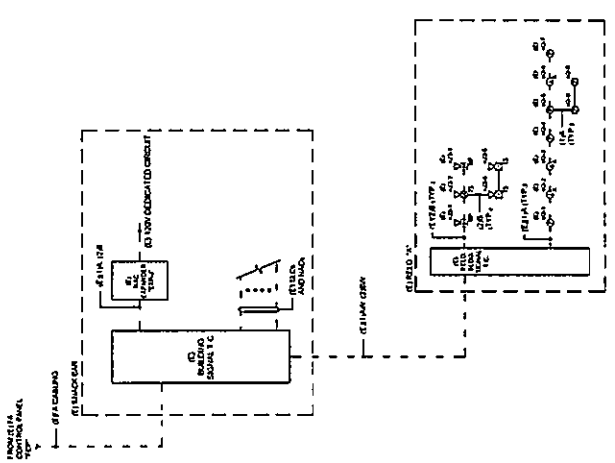
GONZALEZ ARCHITECTS  
1545 N. DEL MAR AVENUE, SUITE 200  
FRESNO, CALIFORNIA 93711  
TEL: 559-497-1412  
FAX: 559-497-1419  
JUAN M. GONZALEZ, P.E.



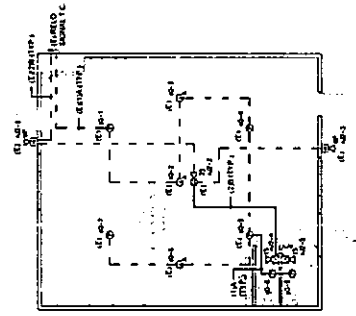
**FIRE ALARM SITE PLAN**  
SCALE: 1"=40'

**KEY NOTES**

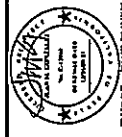
1. EXISTING FIRE ALARM CONTROL PANEL AND FIRE ALARM NETWORKS TO REMAIN.
2. EXISTING FIRE ALARM NETWORKS TO REMAIN.
3. EXISTING FIRE ALARM NETWORKS TO REMAIN.
4. EXISTING FIRE ALARM NETWORKS TO REMAIN.
5. EXISTING FIRE ALARM NETWORKS TO REMAIN.
6. EXISTING FIRE ALARM NETWORKS TO REMAIN.



**FIRE ALARM SINGLE LINE DIAGRAM**  
SCALE: 1"=12'



**RELOCATABLE CLASSROOM  
FIRE ALARM PLAN**  
SCALE: 1/8"=1'-0"



NO.	DATE	DESCRIPTION

**JM GONZALEZ ARCHITECTS**  
1745 N. DEL MAR AVENUE, SUITE 200  
PESNO CALIFORNIA 93711  
TEL: 559-491-1424 FAX: 559-491-1426  
JUAN M. GONZALEZ, AIA

EXISTING RELOC. BUILDING & TOILET ROOM IMPROVEMENTS  
CLOVIS ELEMENTARY SCHOOL  
CLOVIS, CALIFORNIA

PROJECT NO. 1224
DATE: 07/2013
<b>E-5</b>



**H.D. Engineering**  
HARDY-DODSON  
Engineering  
1000 N. G ST. SUITE 100  
CLOVIS, CA 93611  
TEL: 559-291-1111



**American Modular Systems**

# 36 X 40 RELOCATABLE CLASSROOMS CLOVIS UNIFIED SCHOOL DISTRICT

## TEST AND INSPECTION LIST

TESTING LABORATORY: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PROJECT: \_\_\_\_\_ APPLICATION NO: \_\_\_\_\_

STRUCTURAL ENGINEER: \_\_\_\_\_

DATE OF EXPIRATION: \_\_\_\_\_

TYPE OF SERVICE: \_\_\_\_\_

TESTS: \_\_\_\_\_

INSPECTIONS: \_\_\_\_\_

CONTRACT NO.: \_\_\_\_\_

NO.	DESCRIPTION	DATE	STATUS	REMARKS
1	FOUNDATION PLAN, DETAILS & NOTES			
2	EXTERIOR ELEVATIONS			
3	CEILING GRID, DETAILS & NOTES			
4	INTERIOR ELEVATIONS, DETAILS & NOTES			
51	FOUNDATION PLAN, WOOD, DETAILS & NOTES 50'			
52	FLOOR FRAMING PLAN 50 P.S.F.			
52B	BUILDING SECTIONS			
53	ROOF FRAMING PLAN & DETAILS			
54	FRAMING ELEVATIONS & DETAILS			
M1	MECHANICAL PLAN, DETAILS & NOTES			
E1	ELECTRICAL PLAN, DETAILS & NOTES			

## INDEX

SHEET No. DESCRIPTION

- TS-1 TITLE & BUILDING DATA NOTES
- N-1 GENERAL NOTES
- 1 FLOOR PLAN & NOTES
- 2 EXTERIOR ELEVATIONS
- 3 CEILING GRID, DETAILS & NOTES
- 4 INTERIOR ELEVATIONS, DETAILS & NOTES
- 51 FOUNDATION PLAN WOOD, DETAILS & NOTES 50'
- 52 FLOOR FRAMING PLAN 50 P.S.F.
- 52B BUILDING SECTIONS
- 53 ROOF FRAMING PLAN & DETAILS
- 54 FRAMING ELEVATIONS & DETAILS
- M1 MECHANICAL PLAN, DETAILS & NOTES
- E1 ELECTRICAL PLAN, DETAILS & NOTES

## BUILDING DATA

### CLASSROOMS

- OCCUPANCY: E-1
- TYPE OF CONSTRUCTION: V - NON-RATED
- WIND LOAD (80 MPH EXPOSURE C): 21 LBS./SQ FT.
- FLOOR LIVE LOAD: 50 LBS./SQ. FT.
- ROOF LIVE LOAD: 20 LBS./SQ FT (REDUCIBLE)
- RAMP LIVE LOAD: 100 LBS./SQ FT
- BUILDING AREA: 1440 SQ FT
- FIRE MARSHAL - CALIFORNIA BUILDING CODE (CBC)
  - REVISION 2, CODE 1991 LBS. 7/ 04, 14-0001
  - REVISION 3, CODE 1991 LBS. 7/ 04, 14-0001
  - REVISION 4, CODE 1991 LBS. 7/ 04, 14-0001
  - REVISION 5, CODE 1991 LBS. 7/ 04, 14-0001
  - REVISION 6, CODE 1991 LBS. 7/ 04, 14-0001
  - REVISION 7, CODE 1991 LBS. 7/ 04, 14-0001
  - REVISION 8, CODE 1991 LBS. 7/ 04, 14-0001
  - REVISION 9, CODE 1991 LBS. 7/ 04, 14-0001
  - REVISION 10, CODE 1991 LBS. 7/ 04, 14-0001
- STRUCTURAL - 1995 CALIFORNIA BUILDING CODE (CBC)
  - TITLES 24 PARTS 1 AND 2

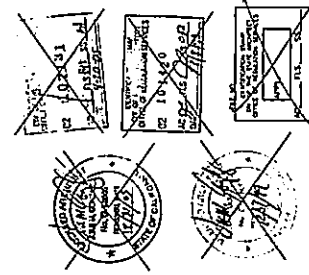
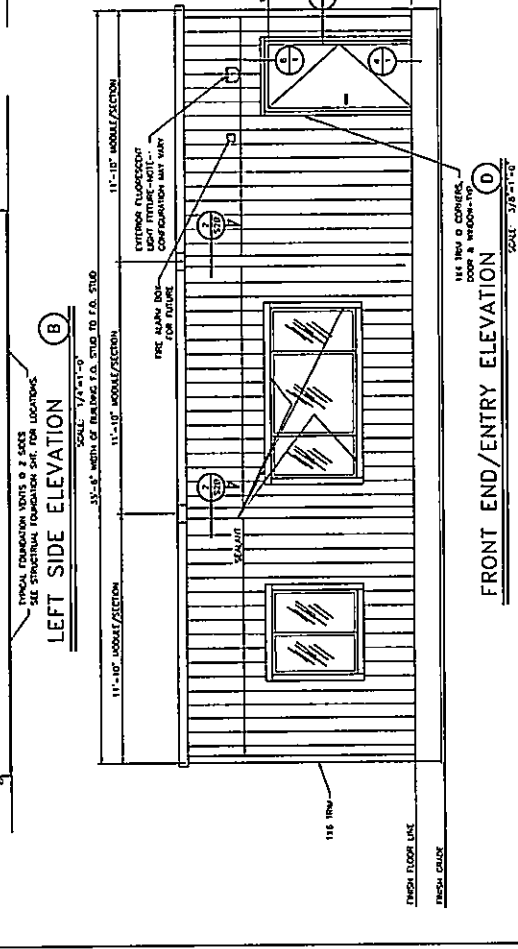
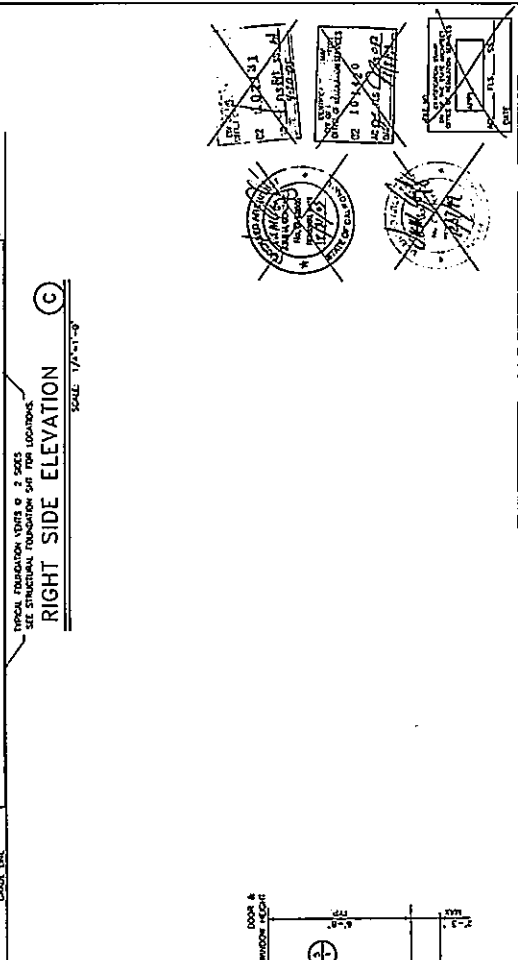
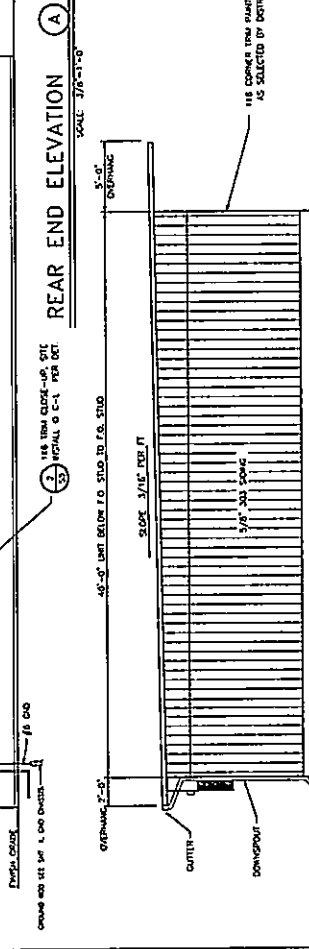
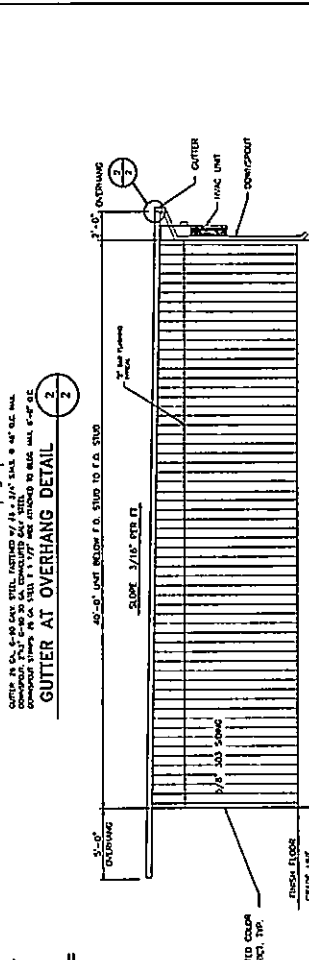
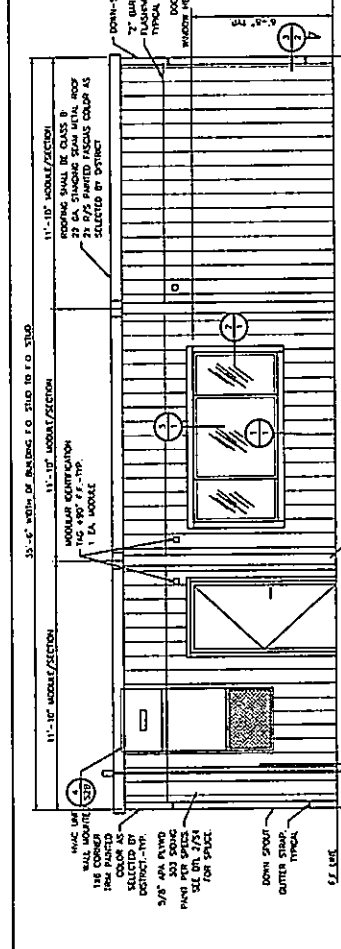
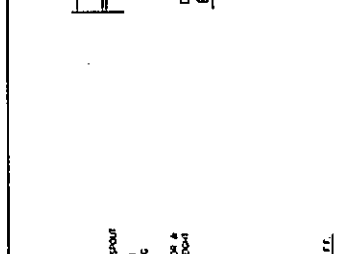
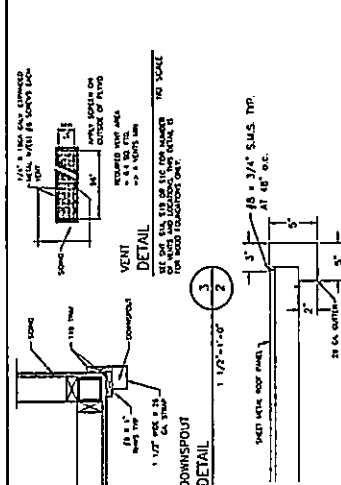
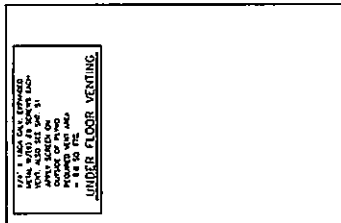
- MODULES: MOMENT-RESISTANT
- SYSTEM: (3) 12' X 40' MODULES
- FOUNDATION: WOOD
- SEISMIC: ZONE 4

Professional Engineer stamps and seals, including a circular seal for the State of California and a rectangular stamp with the name 'TS-1'.









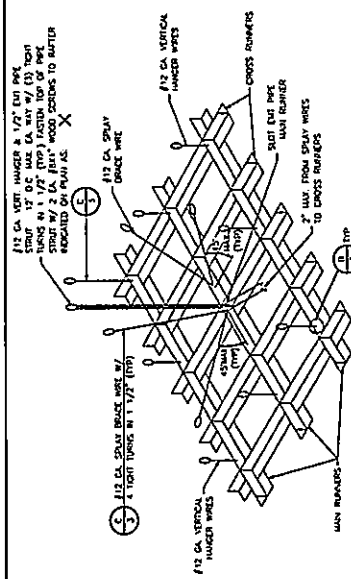
NO.	DATE	DESCRIPTION	BY	CHKD.
1				
2				
3				
4				
5				

DATE	2-23-88
SCALE	AS SHOWN
DRAWN BY	PL
CHECKED BY	
SERIAL NO.	

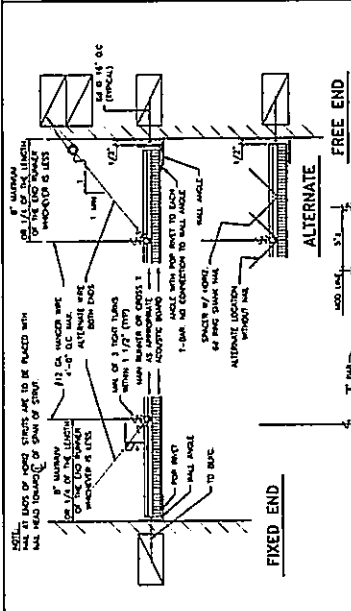
CUSTOMER:   
 EXTERIOR ELEVATIONS



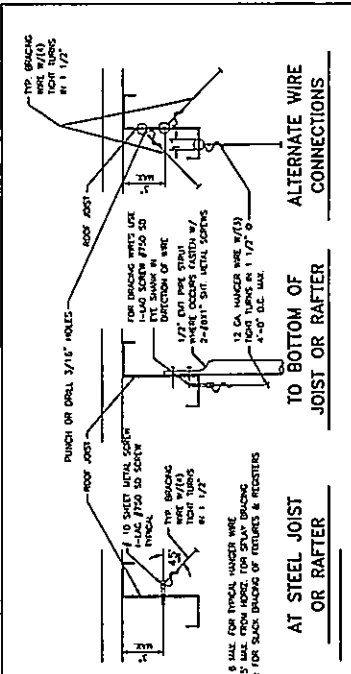
36x40 PC RELOCATABLE CLASSROOM  
 184 1/2" H x 36" W x 40" D  
 184 1/2" H x 36" W x 40" D



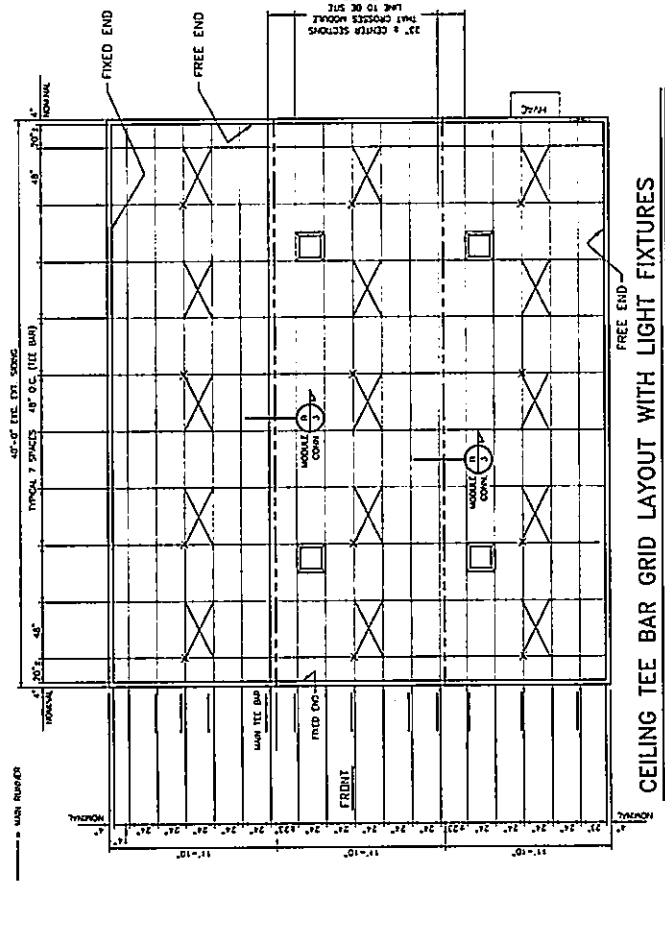
NOTE: SPLAYED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12 FT. ON CENTER.  
ATTACHMENT FOR CEILING GRID  
DETAIL  
NO SCALE



CONNECTIONS TO STEEL JOISTS OR RAFTERS  
DETAIL  
NO SCALE



ALTERNATE WIRE CONNECTIONS  
TO BOTTOM OF JOIST OR RAFTER  
DETAIL  
NO SCALE



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES  
SCALE: 1/4" = 1'-0"

15 X 40 RC  
RELOCATABLE  
CLASSROOM

American Modular Systems  
200 S. CHERRY ST., WENATUCH, OR 97146  
503-265-1211

1. METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING  
1/2" CA. (UNT) HANGER WIRES MAY BE USED FOR UP TO 12' SPAN. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter.

2. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter.

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9. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter.

10. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter.

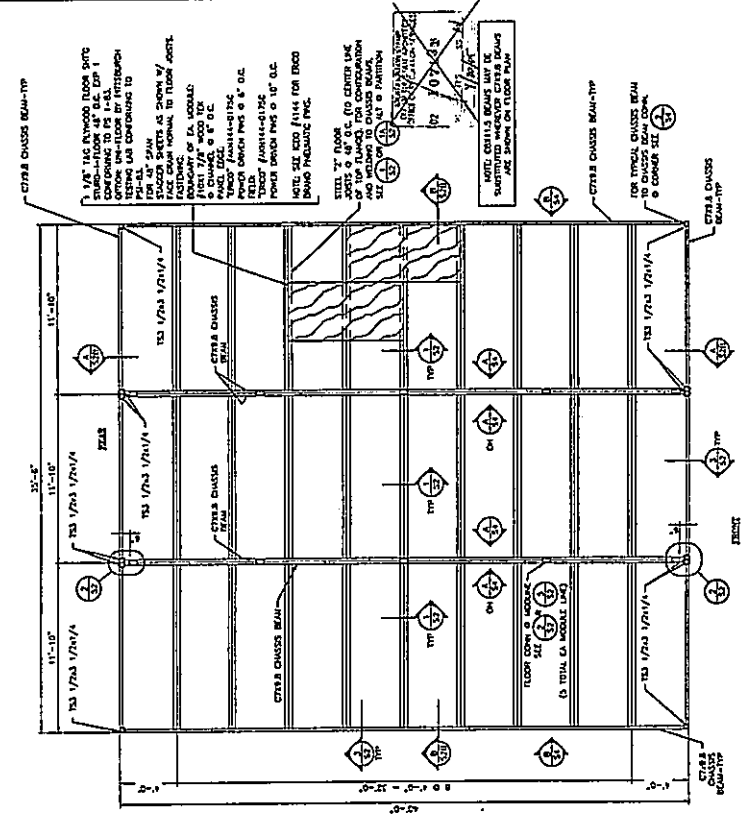
11. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter. HANGER WIRES MUST BE PLACED WITHIN 1/2" OF THE JOIST OR Rafter.

NO.	DATE	REVISIONS	DESCRIPTION
1			
2			
3			

PROJECT NO.  
SHEET NO. 3

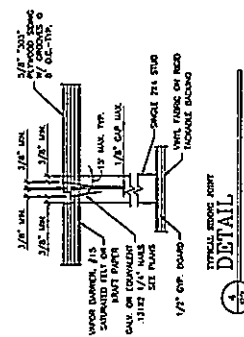




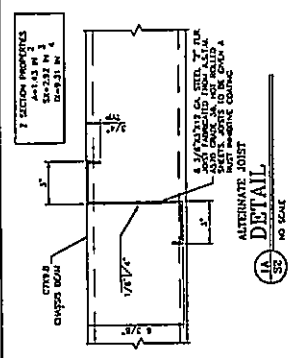


**FLOOR FRAMING PLAN**  
1/4" = 1'-0"

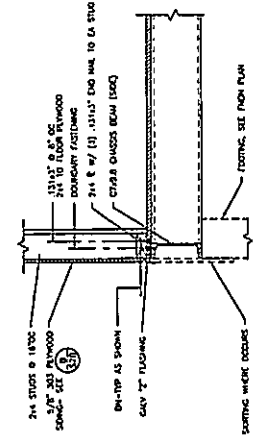
- NOTES:  
1. TRUCKS SHALL NOT BE ALLOWED ON THIS FLOOR.  
2. TRUCKS SHALL NOT BE ALLOWED ON THIS FLOOR.



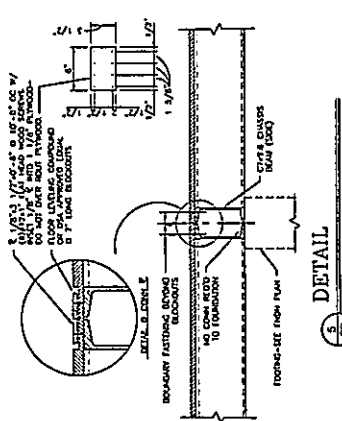
**TYPICAL BEARING JOIST DETAIL**  
NO SCALE



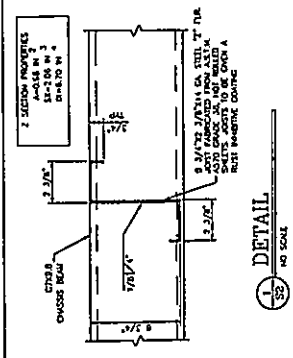
**ALTERNATE JOIST DETAIL**  
NO SCALE



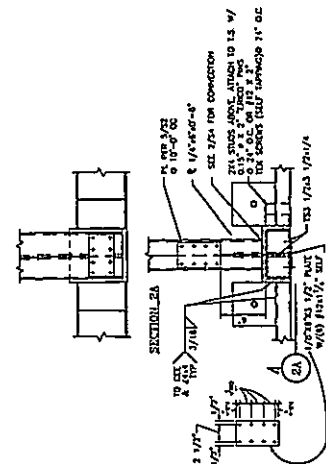
**DETAIL**  
1/2" = 1'-0"



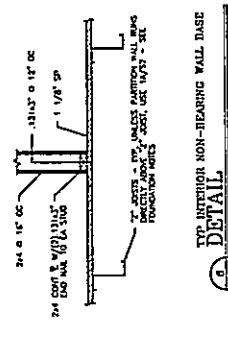
**DETAIL**  
1/2" = 1'-0"



**DETAIL**  
NO SCALE



**PLAN DETAIL**  
NO SCALE



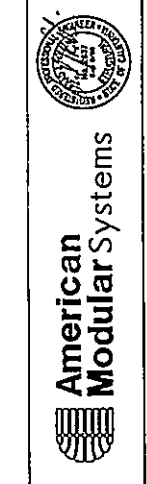
**TYPICAL INTERIOR NON-BEARING WALL BASE DETAIL**  
1" = 1'-0"

**50 PSF FLOOR LIVE LOAD**

PROJECT NO.	97182
SHEET NO.	S2

NO.	DATE	DESCRIPTION

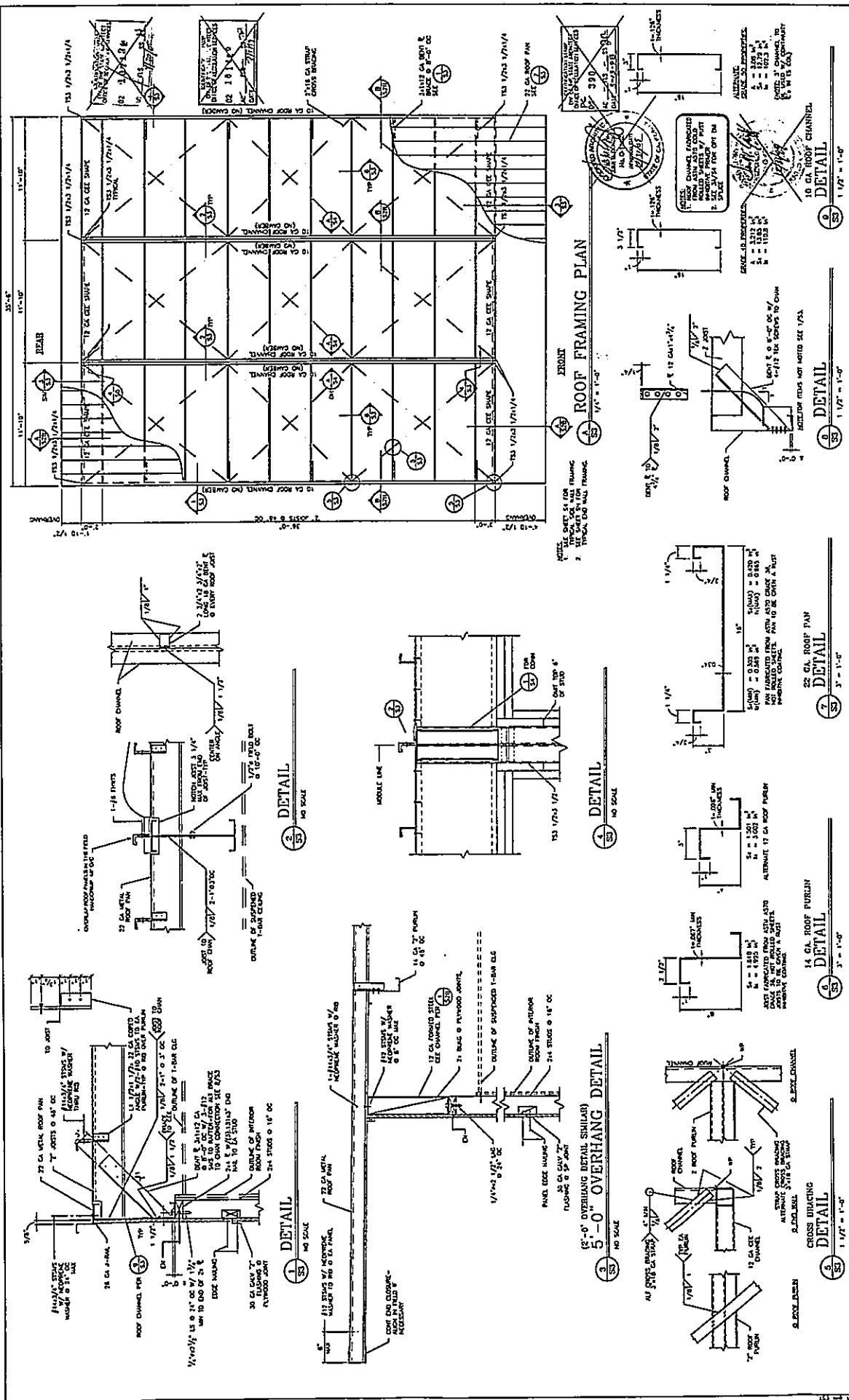
DATE	12/12/17
SCALE	AS SHOWN
DESIGNED BY	MMB
CHECKED BY	RJA
SPECIAL NO.	



**FLOOR FRAMING PLAN AND DETAILS**  
50 PSF FLOOR LOAD

CUSTOMER: 36 x 40 STEEL ROOF RELOCATABLE CLASSROOM





PROJECT NO. 97182  
SHEET NO. S3

NO.	DATE	REVISION	DESCRIPTION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

DATE: 01/14/02  
SCALE: AS SHOWN  
DRAWN BY: C.B.R.  
CHECKED BY: J.B.R.  
DESIGNED BY: J.B.R.  
STAMP NO. S3

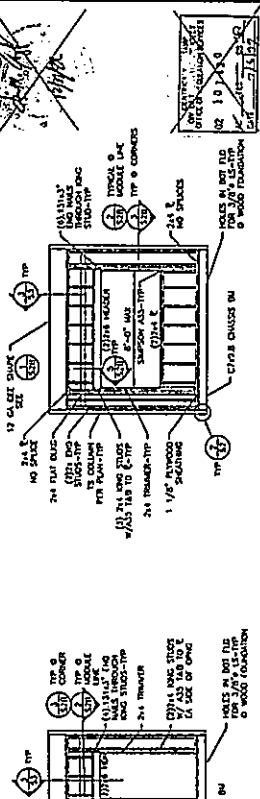
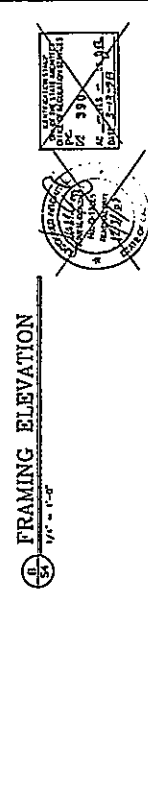
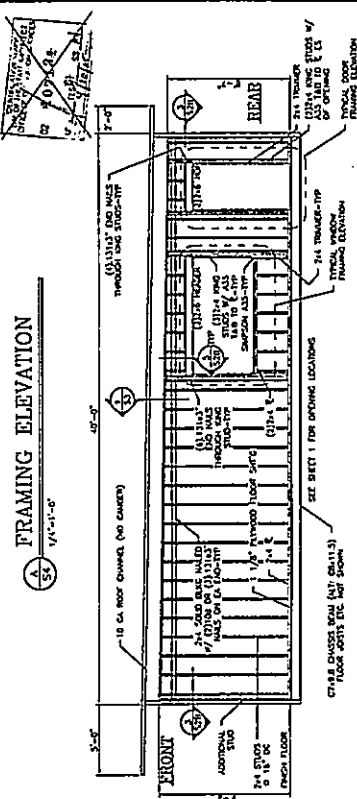
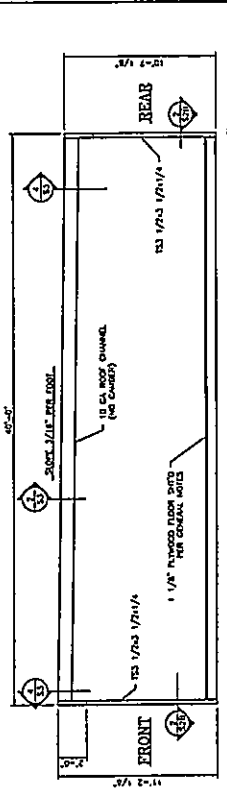
CUSTOMER: \_\_\_\_\_  
ROOF FRAMING PLAN AND DETAILS



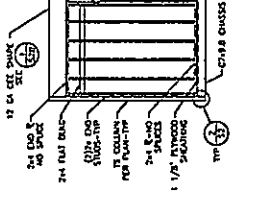
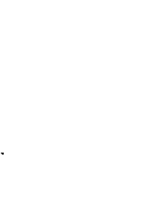
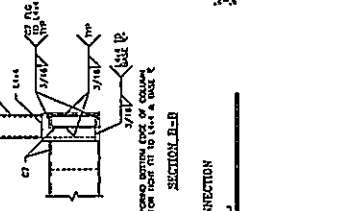
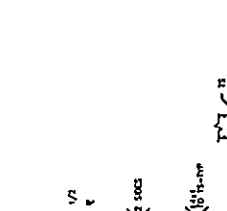
**American Modular Systems**

36 x 40 STEEL ROOF  
RELOCATABLE  
CLASSROOM

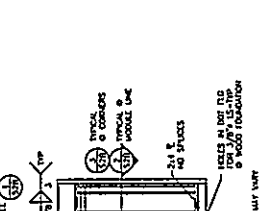
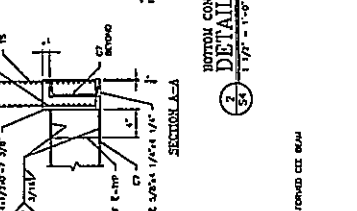
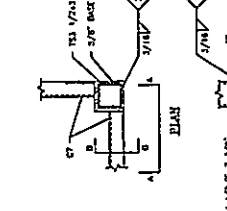




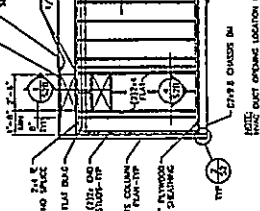
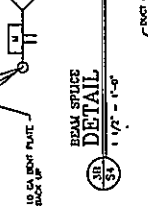
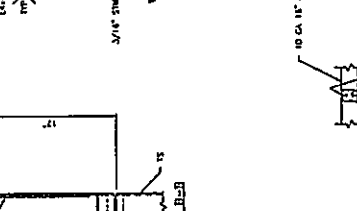
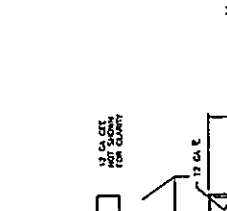
SEE SHEET 1 FOR OPENING LOCATION  
**WINDOW END WALL ELEVATION**  
 1/2" = 1'-0"



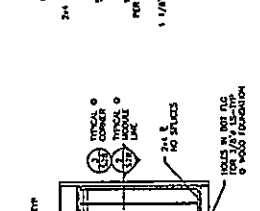
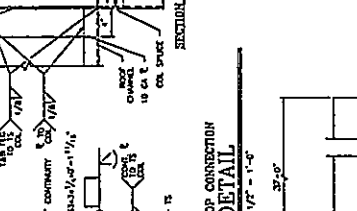
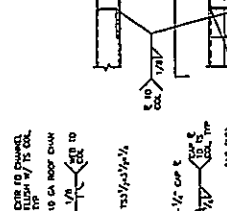
SEE SHEET 1 FOR OPENING LOCATION  
**DOOR END WALL ELEVATION**  
 1/2" = 1'-0"



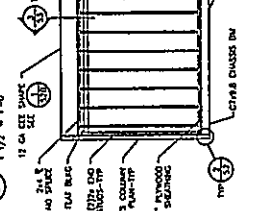
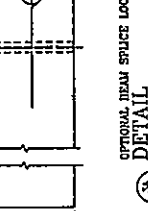
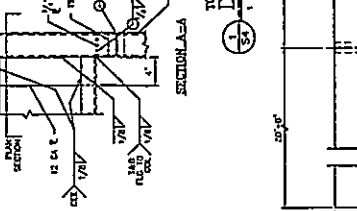
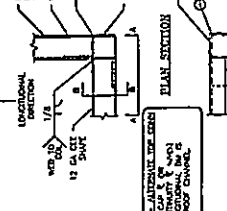
SEE SHEET 1 FOR OPENING LOCATION  
**SOLID END WALL ELEVATION**  
 1/2" = 1'-0"




SEE SHEET 1 FOR OPENING LOCATION  
**OPTIONAL BEAM SPLICE LOCATION DETAIL**  
 1/2" = 1'-0"



SEE SHEET 1 FOR OPENING LOCATION  
**BOTTOM CONNECTION DETAIL**  
 1/2" = 1'-0"



SEE SHEET 1 FOR OPENING LOCATION  
**TOP CONNECTION DETAIL**  
 1/2" = 1'-0"

PROJECT No. 97182		SHEET No. S4	
DATE: 04/15/07	SCALE: AS SHOWN	REVISIONS	DESCRIPTION
DRAWN BY: JLA	DESIGNED BY: JLA	NO.	DATE
CHECKED BY: JLA	APPROVED BY: JLA		
FRAMING ELEVATIONS AND DETAILS			
 <b>American Modular Systems</b>			
<b>36 x 40 STEEL ROOF RELOCATABLE CLASSROOM</b>			

**GENERAL NOTES**

1. **HEAT PUMP, CONDENSING AND AIR CONDENSING (HVAC)**  
Heat pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with AHJ Standard 240-77.  
Brands: BARD WHEOA-XXXXXX  
MURAIR AIP 60 HPA-085



All units shall be 230/208 volt, 1 phase system, UL listed & approved or comparable and meet current energy standards.

A) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees Fahrenheit during the heating season. The temperature varies between 100 degrees F in the summer.

B) The system must maintain the above temperature when the damper is adjusted to use approximately one inch of air.

A) Construct an ductwork of galvanized sheet metal in accordance with U.I.C., Astab Code, Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with a minimum R-11 value. The insulation shall be identified with a 2" x 4" label at the identification of all ductwork within 2' of a HVAC unit.

B) Non-metallic ductwork option: in acceptable condition, ductwork shall be made of polypropylene or insulated fire-rated with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface between ductwork and other building components shall be designed for 2" static pressure.

Reference Brand: Owens-Corning fiberglass ductboard, thick and non-wick, RFE #75  
Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.

Air duct insulation and linings shall comply with flame spread and smoke development test results as follows:  
Flame spread: equal to 25, smoke generation test: equal to 50

Supply air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid, fiberglass or fiberduct

Return air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid, fiberglass or fiberduct

Are type #475 Owens-Corning, Knudol, Cerinforced, or Surodun 90- B: UL #131 test, class 1 rating with 2" static pressure

Registers and grilles: Provide three (3) 4-way flow air diffusers as manufactured Cornea, Tlax, Hett or equivalent. All diffusers shall be minimum or Knudger commercial grade grills and registers

Air conditioning controls: Provide electronic programmable thermostat. Thermostat shall have the following functions:  
A) 5 and 2 weekday/weekend programming with 4 temperature set points  
B) 24-hour setback scheduling for 24-hour period.  
C) Programmable display.  
D) 2-hour override minimum.  
E) 24-hour override maximum.  
F) Battery back-up.  
G) 24-hour override minimum.

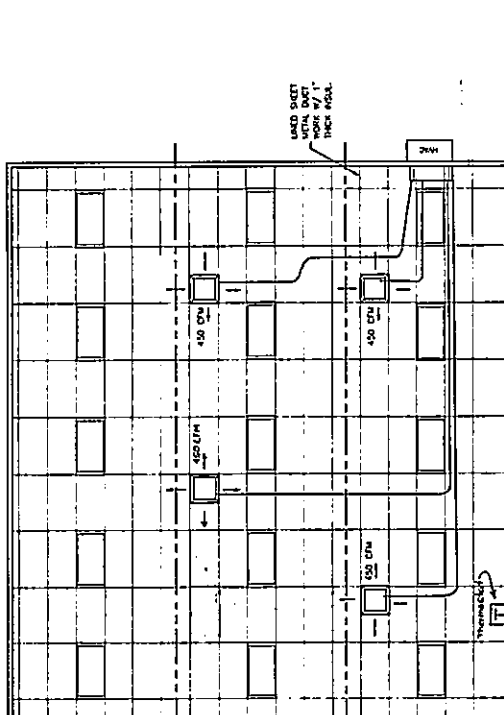
Provide locking clear thermostat cover with thermostat cover. The thermostat shall be accessible from the interior of the room.

Thermal insulation:  
A) Roof insulation: R-19 unfaced.  
B) Floor insulation: R-19 unfaced.  
C) Walls insulation: R-11 Kraft faced.

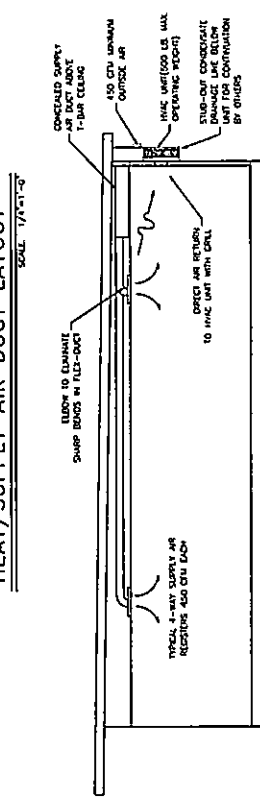
Flame spread and smoke development shall conform to California Building Code sec. 707.2.1. Each duct shall be approved for the use intended or shall conform to the requirements of U.I.C. Standard No. 6-1. Each duct shall be identified with a label indicating the manufacturer's name and the U.I.C. Standard No. 6-1 and its class designation.

Labels shall be placed in the following and the requirements of U.I.C. STD. 6-1.

DUCT SUPPORT  
The duct to be supported with 1-1/2" x 2" x 28 SWS @ each end. Attach to rafter w/2 #8 Supply air plenum to be supported with 1-1/2" x 2" x 28 SWS @ each end. Attach to rafter w/2 #8 Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners. Supply air box and diffusers to be braced with (2) 12 ga. hanger wires to box @ opposite corners. Supply air box and diffusers to be braced with (2) 12 ga. hanger wires to box @ opposite corners. Diffusers to ceiling grid to rest a lateral load equal to the weight of the diffuser and supply air box w/2 #8 SWS.



**HEAT/SUPPLY AIR DUCT LAYOUT**  
SCALE: 1/8"=1'-0"



**HEAT/SUPPLY AIR DUCT CROSS SECTION**  
SCALE: 1/8"=1'-0"

THESE DRAWINGS COMPLY WITH THE ENERGY CONSERVATION REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA

NO.	DATE	REVISIONS	BY	DATE	DESCRIPTION
1					
2					
3					
4					

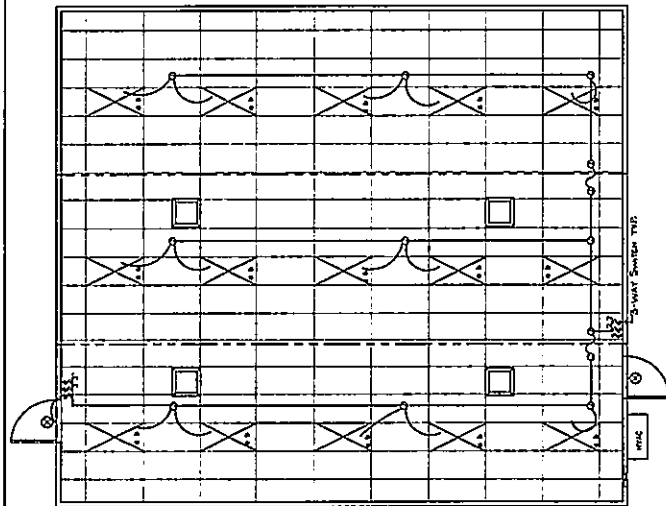
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DRAWN BY: [Signature]	CHECKED BY: [Signature]
DESIGNED BY: [Signature]	APPROVED BY: [Signature]

CUSTOMER: \_\_\_\_\_

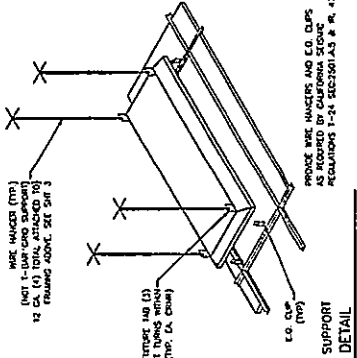
MECHANICAL PLAN & NOTES

36 x 40 PC RELOCATABLE CLASSROOMS

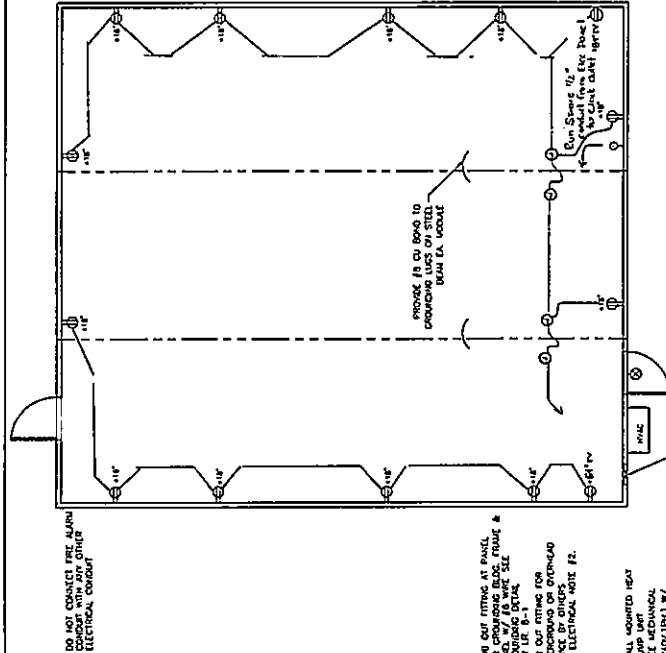
**American Modular Systems**



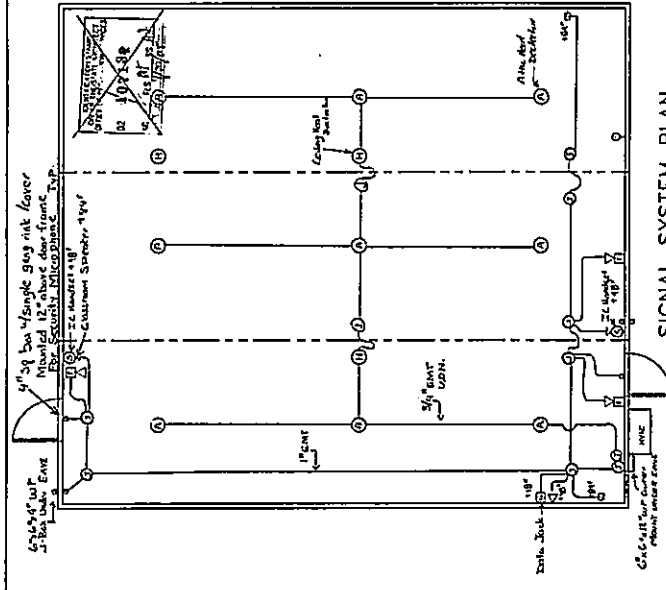
**LIGHT FIXTURES**  
SCALE: 1/8" = 1'-0"



**SUPPORT DETAIL**  
SCALE: 3/16" = 1'-0"



**ELECTRICAL PLAN**  
SCALE: 1/8" = 1'-0"



**SIGNAL SYSTEM PLAN**  
SCALE: 1/8" = 1'-0"

**STANDARD ELECTRICAL SYMBOLS**

- RESISTOR
- CAPACITOR
- INDUCTOR
- TRANSFORMER
- RELAY
- CONTACTOR
- DIODE
- TRIP UNIT
- TERMINAL BLOCK
- WIRE BUS
- CONDUIT
- TRAY
- CABLE
- PIPE
- DUCT
- VALVE
- ACTUATOR
- SOLENOID
- RELAY
- CONTACTOR
- DIODE
- TRIP UNIT
- TERMINAL BLOCK
- WIRE BUS
- CONDUIT
- TRAY
- CABLE
- PIPE
- DUCT
- VALVE
- ACTUATOR
- SOLENOID

**ELECTRICAL SYMBOLS**

- RESISTOR
- CAPACITOR
- INDUCTOR
- TRANSFORMER
- RELAY
- CONTACTOR
- DIODE
- TRIP UNIT
- TERMINAL BLOCK
- WIRE BUS
- CONDUIT
- TRAY
- CABLE
- PIPE
- DUCT
- VALVE
- ACTUATOR
- SOLENOID
- RELAY
- CONTACTOR
- DIODE
- TRIP UNIT
- TERMINAL BLOCK
- WIRE BUS
- CONDUIT
- TRAY
- CABLE
- PIPE
- DUCT
- VALVE
- ACTUATOR
- SOLENOID

**AMERICAN MODULAR SYSTEMS**

36x40 PC RELOCATABLE CLASSROOM

REVISIONS

DATE: 1-15-09  
DRAWN BY: J.S.  
CHECKED BY: J.S.  
SCALE: 1/8"

CUSTOMER:

PROJECT #16  
SHEET #1  
E1