**GENERAL CONSTRUCTION NOTES**

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THIS CONTRACT.
3. CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK.
4. CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" ...

**ELECTRICAL SYMBOLS & ABBREVIATIONS**

- **DIGITAL DIMMER SWITCH**
- **MONOXIDE ALARM**
- **LIGHTING CONTROL PANEL**

**APPLICABLE CODES & STANDARDS**

- [2019 CALIFORNIA ADMINISTRATIVE CODES ORDERED PDF TO PRINT] (P. 1)
- [2019 CALIFORNIA BUILDING CODE ORDERED PDF TO PRINT] (P. 2)
- [2019 CALIFORNIA ELECTRICAL CODE ORDERED PDF TO PRINT] (P. 3)
- [2019 CALIFORNIA GREEN BUILDING STANDARDS ORDERED PDF TO PRINT] (P. 4)
- [2019 CALIFORNIA WASTE, WATER & ENVIRONMENT CODES ORDERED PDF TO PRINT] (P. 5)
- [2019 CALIFORNIA WASTE, WATER & ENVIRONMENT CODES ORDERED PDF TO PRINT] (P. 6)
- [2019 CALIFORNIA WASTE, WATER & ENVIRONMENT CODES ORDERED PDF TO PRINT] (P. 7)
- [2019 CALIFORNIA WASTE, WATER & ENVIRONMENT CODES ORDERED PDF TO PRINT] (P. 8)
- [2019 CALIFORNIA WASTE, WATER & ENVIRONMENT CODES ORDERED PDF TO PRINT] (P. 9)

**SHEET INDEX**

- [SHEET E01] ORDERED PDF TO PRINT (P. 1)
**E1.1 ELECTRICAL SINGLE LINE DIAGRAM & ELECTRICAL DETAILS**

60 Garden Court    Suite 210    Monterey, CA 93940
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**TYPICAL GROUNDING INSTALLATION**

1. Size of conductors shall comply with CEC Table 250.66.
2. Bond separate conductors from ground rod to electrical panel and to metal building frame (CEC 250.52).
3. Check resistance to ground, if resistance exceeds 25 ohms, install additional ground rods as required. (CEC 250.56)
4. All modules of metal frame buildings shall be electrically bonded together with #8 Cu. (Bolting only is not acceptable bonding.)
5. Bond ramp to building.

**GROUND ROB & BOX DETAIL**

1. Finished grade
2. Ground conductor
3. Paint conduit waterproof
4. Circuit bottom minimum 3"
5. 5" x 10" copper clad ground rod
6. Underformed earth
7. Ground clamp
8. Cont. all interior surfaces invarant

**CONDUIT TRANSITION BETWEEN BUILDINGS**

1. EMT conduit, typ.
2. Sealite flex conduit, typ.
3. Insulated plastic bushing, typ.
4. Seal penetration waterstop, typ.
5. Repl. construction classroom
6. T bar ceiling, typ.
7. After cables installed, fill conduit opening with fire puddy.

**PARTIAL ELECTRICAL SINGLE LINE DIAGRAM**

1. Bldg. panel supplied as part of relocatable restroom building.
2. New breaker shall match existing in type and AIC rating.
3. 1"C., 3 #6 & 1 #10 GND.

**CONDUIT TRANSITION BETWEEN BUILDINGS**

1. EMT conduit, typ.
2. Sealite flex conduit, typ.
3. Insulated plastic bushing, typ.
4. Seal penetration waterstop, typ.
5. Repl. construction classroom
6. T bar ceiling, typ.
7. After cables installed, fill conduit opening with fire puddy.

**SINGLE LINE DIAGRAM LEGEND**

- (EXISTING) (EXISTING) (EXISTING) (EXISTING)
- (NEW) (NEW) (NEW) (NEW) (NEW)
- **(RELOCATE)** (RELOCATE) (RELOCATE) (RELOCATE) (RELOCATE)
- **(RELOCATE)** (RELOCATE) (RELOCATE) (RELOCATE) (RELOCATE)

**NOTE:** Where metal conduit used in lieu of PVC, provide ground bushings & bonds per code.
NOTES:

1. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING AND TAKE CAUTION TO AVOID DAMAGE DURING TRENCHING. IF NECESSARY, CONTRACTOR SHALL MAKE ALL REPAIRS TO DAMAGED UTILITIES AT NO CHARGE TO OWNER.

2. SEE SHEET E1.1 FOR REQUIREMENTS.

3. SEE SHEET E3.1 FOR CONTINUATION.
1. Existing relocatable buildings to be demolished.
2. Uninstall, preserve, and protect device for reconnection as part of new work.
3. New relocatable buildings. See Sheet E-1.01 for devices, locations, and requirements.
4. See Sheet E.1.1 for continuation.
5. See 1/E1.1 for requirements.
6. Homestay to be located in classroom H006. See Sheet E2.1 for location.

Electrical Demolition Plan

Power Plan

Scale: 1/4" = 1'-0"
PART 1 - EXECUTION

1.01 Conduit, Raceway and Fitting Installation:

A. Conduit bodies: Cadmium plated, cast iron alloy. Conduit bodies with threaded conduit hubs and circle AW Products, retaining screws, prime coated.

B. Pull boxes and junction boxes: Provide overlapping covers with flush head cover secured by cadmium plated machine screws located six inches on centers. Circle AW Products, retaining screws, prime coated.

C. Flush Mounted Pull boxes and Junction boxes: Provide overlapping covers with flush head cover secured by cadmium plated machine screws located six inches on centers. Circle AW Products, retaining screws, prime coated.

1.02 Supports:

A. Supports - UL Listed wirenuts.

B. Terminations - Shall comply with the following:

1. Splices - UL Listed wirenuts.
2. Terminations - UL Listed.

C. Supports:

1. Splices - UL Listed wirenuts.
2. Terminations - UL Listed.

D. Automatic line voltage controls and magnetic starters shall be furnished by the Mechanical and/or Plumbing Contractor. Magnetic starters shall be furnished with magnetic trip elements which are set by a single adjustment to assure uniform tripping characteristics in the event of a fault.

E. Breakers shall be UL listed. Circuit breakers shall have removable lugs.

F. Pull boxes and junction boxes shall be of the same size for all circuits, and all conduit and raceway runs shall be provided with covers as required by Section 1.01. All boxes and enclosures for emergency circuit shall be permanently marked with a readily visible name plate.

G. Pull boxes and junction boxes shall be of the same size for all circuits, and all conduit and raceway runs shall be provided with covers as required by Section 1.01. All boxes and enclosures for emergency circuit shall be permanently marked with a readily visible name plate.

1.03 Tape:

A. All conductors shall be identified by inscriptions indicated on the drawings and, if not permitted unless specifically noted or approved by the Electrical Engineer.

B. If a proposed substitution is rejected, the contractor shall furnish the specified product at no additional cost.

C. If a proposed substitution is accepted, the contractor shall furnish the specified product at no additional cost.

D. All conductors used on this Project shall be of the same type and conductor material.

E. All conductors shall be stranded copper No. 8 AWG and above.

1.04 Electrical Service:

A. Splices - UL Listed wirenuts.

B. Terminations - Shall comply with the following:

1. Splices - UL Listed wirenuts.
2. Terminations - UL Listed.

C. Supports:

1. Splices - UL Listed wirenuts.
2. Terminations - UL Listed.

D. Automatic line voltage controls and magnetic starters shall be furnished by the Mechanical and/or Plumbing Contractor. Magnetic starters shall be furnished with magnetic trip elements which are set by a single adjustment to assure uniform tripping characteristics in the event of a fault.

E. Breakers shall be UL listed. Circuit breakers shall have removable lugs.

F. Pull boxes and junction boxes shall be of the same size for all circuits, and all conduit and raceway runs shall be provided with covers as required by Section 1.01. All boxes and enclosures for emergency circuit shall be permanently marked with a readily visible name plate.

1.05 Safety and Health:

A. Safety and health practices are to be the responsibility of the contractor. All workers shall be in accordance with all applicable health and safety rules, regulations, and standards. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. Safety and health practices are to be the responsibility of the contractor. All workers shall be in accordance with all applicable health and safety rules, regulations, and standards. The contractor shall be responsible for the health and safety of all workers on the construction site.

1.06 Work in Progress:

A. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

1.07 Good Workmanship:

A. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

1.08 Quality Assurance:

A. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

1.09 Punch List:

A. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

1.10 Final Inspection:

A. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

1.11 Final Inspection:

A. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

1.12 Test:

A. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

1.13 Final Inspection:

A. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

1.14 Final Inspection:

A. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.

B. The contractor shall install access panels as required where floors, walls or ceilings must be made safe for work to proceed. The contractor shall be responsible for the health and safety of all workers on the construction site.
**FIRE ALARM EQUIPMENT LIST**

<table>
<thead>
<tr>
<th>Description</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Holder Release</td>
<td>DHR-1</td>
</tr>
<tr>
<td>Addressable 190 Deg. Fixed Temp. System Sensor</td>
<td>FST-951H</td>
</tr>
<tr>
<td>Addressable Photelectric Smoke Detector and Base</td>
<td>NOTIFIER FSP SERIES</td>
</tr>
<tr>
<td>Remote Power Supply with Battery</td>
<td>7315-0028:0225FCPS-24S6</td>
</tr>
<tr>
<td>Penetrations of Fire Rated Walls</td>
<td>NOTIFIER, FCM SERIES</td>
</tr>
<tr>
<td>Exterior Devices</td>
<td>7300-0028:0219</td>
</tr>
<tr>
<td>Addressable 190 Deg. Strobe with Field Selectable Candela Settings</td>
<td>NOTIFIER, FMM SERIES</td>
</tr>
</tbody>
</table>

**FIRE ALARM GENERAL NOTES**

1. **NOTES:**
   - VARIOUS SIZES OF FIRE ALARM STANDARDS AS REQUIRED BY THE CONTRACTOR.
   - FIRE ALARM SYSTEMS TO BE Installed IN ACCORDANCE WITH LOCAL FIRE CODES.
   - ALL CONDUIT SHALL BE PROTECTED IN CONCRETE.
   - TOOLS AND MATERIALS APPROVED FOR USE.
2. **CONDUIT - CONCEALED IN WALLS OR CEILING:**
   - WIRE USED IN WET LOCATIONS SHALL BE OF AN APPROVED TYPE IN CONDUIT - CONCEALED IN WALLS OR CEILING.
   - WIRE CONDUIT TO BE MADE BY THOMAS & BETTS, 3/4".
   - SYSTEMS FOR ALL PIPE/CABLE/CONDUIT PASSING THROUGH FIRE RATED WALLS/FLOORS REQUIRING PROTECTED OPENINGS.
3. **ADDRESSABLE FIRE ALARM SYSTEM:**
   - SYSTEMS SHALL BE INSTALLED IN CONFORMITY WITH LOCAL CODES.
   - SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH NOTIFIER'S INSTRUCTIONS.
   - SYSTEMS SHALL BE TESTED PERIODICALLY AS REQUIRED BY THE CONTRACTOR.
4. **TESTS AND INSPECTIONS:**
   - FINAL ALARM TEST SHALL BE WITNESSED BY BOTH THE DSA INSPECTOR OF RECORD (IOR)/DSA AFTER COMPLETION OF THE PROJECT.
   - PROJECTOR SHALL PROVIDE COPIES OF THE AS-BUILT DRAWINGS.
   - PROJECTOR SHALL PROVIDE COPIES OF THE PROJECT OR PREVIOUS EOL DRAWINGS.
   - ALL DEVICES SHALL BE LOCALIZED AND LABELED WITH THE ADDRESS OR CIRCUIT NUMBER.
   - PROJECTOR SHALL PROVIDE COPIES OF THE AS-BUILT DRAWINGS.

**SYMBOLS & ABBREVIATIONS**

- **AWG:** American Wire Gauge
- **BKR:** Circuit Breaker
- **C:** Conduit
- **CIRCUIT BREAKER:**
- **CORE:**
- **EOL:** End of Line
- **FA:** Fire Alarm
- **FACP:** Fire Alarm Control Panel
- **FACPS:** Fire Alarm Control Panel System
- **FACP IN:** Fire Alarm Control Panel Input
- **FA0.1:** Fire Alarm System Operational Matrix
- **FMM:** Fire Monitoring Module
- **FCPS:** Fire Control Panel System
- **FCM:** Fire Control Module
- **LN:** Location Note
- **M:** Module
- **P:** Panel
- **PB:** Power Supply
- **EOL:** End of Line
- **SN:** Serial Number
- **TYPICAL:**
- **TYPICAL ZONE NOMENCLATURE:**

**OPERATIONAL MATRIX:**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Normal</td>
<td>Activates Audio/Visuals</td>
</tr>
<tr>
<td>Trouble at FACP</td>
<td>Activates Audio/Visuals</td>
</tr>
<tr>
<td>Trouble at Annunciator</td>
<td>Activates Audio/Visuals</td>
</tr>
<tr>
<td>System Reset</td>
<td>Resets System</td>
</tr>
<tr>
<td>Trip/Operate Circuit</td>
<td>Initiates System</td>
</tr>
<tr>
<td>Heat Detectors (Open, Shorts, or Grounds) on Initiation or Signaling Circuits</td>
<td>Initiates System</td>
</tr>
<tr>
<td>Door Holder Release</td>
<td>Initiates System</td>
</tr>
<tr>
<td>Fan Shut Down</td>
<td>Initiates System</td>
</tr>
<tr>
<td>Supervisory at Annunciator</td>
<td>Initiates System</td>
</tr>
<tr>
<td>Supervisory at FACP</td>
<td>Initiates System</td>
</tr>
<tr>
<td>Cause</td>
<td>Effect</td>
</tr>
</tbody>
</table>

**FIELD AUTHORIZED SIGNATURES:**

- **INSPECTOR OF RECORD:**
- **ENGINEER:**
- **CONTRACTOR:**

**ARCHITECT:**

- **KASAVAN ARCHITECTS:**
- **60 Garden Court, Suite 210, Monterey, CA 93940**
- **Phone: 831.646.3330, Fax: 831.646.3336, www.acemb.com**

**ENGINEERS, INC.,**

- **VISUAL CONTACT WITH THEM CONSTITUTES PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.**

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- **B. B. MURRAY, ARCHITECT, 2021**

**DATE:**

- **12/18/2021**

**CODE:**

- **CALIFORNIA UNIFORM SIGNAL IN TEMPORAL MODE.**

**NOTES:**

- **ADDRESSABLE FIRE ALARM SYSTEM TO NEW RELOCATABLE RESTROOM BUILDING.**

**REMARKS:**

- **PROJECT DESCRIPTION:**

**SYSTEM DESCRIPTION:**

- **F.A. SYMBOLS, ABBRE., EQUIPMENT LIST, TYPICAL DETECTOR WIRING DIAGRAM, TYPICAL HORN WIRING DIAGRAM, TYPICAL ZONE NOMENCLATURE, FIRE ALARM SYSTEM OPERATIONAL MATRIX**
FA1.1

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21-255.00

NO SCALE

FIRE ALARM RISER DIAGRAM AND BATTERY & VOLTAGE DROP CALCULATIONS

1 FIRE ALARM RISER DIAGRAM

VOLTAGE DROP CALCS

BATTERY CALCS

DEDICATED 120V CIRCUIT, CONNECT TO PORTABLE RESTROOM PANEL

ME2

ME

ME1

(E) BACK-UP BATTERIES

(E) DEDICATED 120V, 20A/IP CIRCUIT

(E) SLC-1

NEW RELOCATABLE  RESTROOM BUILDING

C

(E) SLC LOOP TO (E) BUILDINGS

S1NAC #1

RPS

WP

15CD

S1-2

S1-1

S1-3

EOL

15CD

D2

D4

D1

VOLTAGE DROP (VD) CALCULATION VISUAL CKT. #1

DEVICE # S1-1 S1-2 S1-3

GAUGE WIRE 12 12 12

DISTANCE (FT) 20 10 30

AMPS OF DEVICE 0.043 0.044 0.043

TOTAL AMPS@DEV. 0.13 0.087 0.043

VOLT. DROP @ DEV. 0.009 0.003 0.004

- ------------------

WIRE RESIS. CIRC.

TOTAL CKT. AMPS 0.13 AMPS SIZE /M FT. MILS.

---

TOTAL  CKT  V  DROP = 0.016 VDC 12 1.59 6530 ** FORMULA **

14 2.52 4110

CKT  VOLTAGE = 20.4 16 4.02 2580 I * FEET * 21.6

18 6.39 1620 -

% VOLTAGE DROP= 0.1% 20 10.1 1020 C.M. - 2 2 16.2 640

24 25.7 404

FIRE ALARM CONTROL PANEL "FACP"

QTY PRODUCT DESCRIPTION STANDBY ALARM ID  EACH TOTAL  EACH TOTAL

1 CPU-640 EXISTING CENTRAL PROCESSING UNIT 0.230000 0.230000 0.230000 0.230000

1 KDM-2 KEYBOARD DISPLAY MODULE 0.040000 0.040000 0.094000 0.094000

2 AVPS-6R NOTIFIER POWER SUPPLY 0.025000 0.050000 0.000000 0.000000

1 LEM-320 LOOP EXPANDER MODULE 0.100000 0.100000 0.100000 0.100000

1 ICE-4 NAC CIRCUIT EXTENDER 0.007000 0.007000 0.007000 0.007000

PANEL STANDBY CURRENT 0.427000

PANEL ALARM CURRENT 0.431000

FIELD DEVICES

QTY PRODUCT DESCRIPTION STANDBY ALARM ID  EACH TOTAL  EACH TOTAL

1 LCD-80 REMOTE ANNUNCIATOR 0.100000 0.100000 0.050000 0.050000

4 NBG-12LX ADDRESSABLE PULL STATION 0.000300 0.001200 0.000300 0.001200

182 FSP-751 ADDRESSABLE SMOKE DETECTOR 0.000360 0.065520 0.000360 0.065520

16 FSD-751P ADDRESSABLE DUCT SMOKE DETECTOR 0.000150 0.002400 0.000150 0.002400

2 FSP-951 (N) ADDRESSABLE SMOKE DETECTOR 0.000200 0.000400 0.004500 0.009000

3 FST-951 (N) ADDRESSABLE HEAT DETECTOR 0.000200 0.000600 0.004500 0.013500

41 FST-751 ADDRESSABLE HEAT DETECTOR 0.000300 0.012300 0.000300 0.012300

32 FMM-1 ADDRESSABLE MONITOR MODULE 0.000375 0.012000 0.000375 0.012000

6 FCM-1 ADDRESSABLE CONTROL MODULE 0.000390 0.002340 0.005000 0.030000

20 FRM-1 ADDRESSABLE CONTROL MODULE 0.000270 0.005400 0.005000 0.100000

1 FMM-1 (N) ADDRESSABLE MONITOR MODULE 0.000375 0.000375 0.005000 0.005000

1 FCM-1 (N) ADDRESSABLE CONTROL MODULE 0.000485 0.000485 0.006500 0.006500

1 UDACT DIGITAL ALARM ANNUNCIATOR 0.040000 0.040000 0.100000 0.100000

20 ISO-X ADDRESSABLE ISOLATOR MODULE 0.000460 0.009200 0.000460 0.009200

13 NS-24MCW-FR HORN/STROBE 15CD 0.000000 0.000000 0.072000 0.936000

3 NS-24MCW-FR HORN/STROBE 30CD 0.000000 0.000000 0.094000 0.282000

4 NS-24MCW-FR HORN/STROBE 75CD 0.000000 0.000000 0.153000 0.612000

2 NS-24MCW-FR HORN/STROBE 110CD 0.000000 0.000000 0.183000 0.366000

26 RSS-241MCW-FR STROBE 15CD 0.000000 0.000000 0.050000 1.300000

7 RSS-241MCW-FR STROBE 30CD 0.000000 0.000000 0.080000 0.560000

2 RSS-241MCW-FR STROBE 75CD 0.000000 0.000000 0.128000 0.256000

10 AH-24WP-FR WEATHERPROOF HORN 0.000000 0.000000 0.041000 0.410000

0 NH-12/24R INTERIOR HORN 0.000000 0.000000 0.027000 0.000000

4 DSM-12/24R DUAL SYNCH MODULE 0.000000 0.000000 0.038000 0.152000

DESCRIPTION STANDBY ALARM

CONTROL PANEL 0.427000 0.431000

FIELD DEVICES 0.252220 5.290620

TOTAL STANDBY CURRENT 0.679220 X 24 HOUR STANDBY 16.301280

TOTAL ALARM CURRENT 5.721620 5 MINUTES OF ALARM (X .083) 0.474894

TOTAL BATTERY REQUIREMENT 16.776174 SAFETY MARGIN (20%) 20.131409

BATTERY SUPPLIED (EXISTING) (2) 12V 55AH
A. FIELD INSPECTION AND TEST:

1.01 GENERAL:

A. ALL INSTALLATION WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL ELECTRICAL CODE (IEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION'S (NFPA) STANDARDS AS NOTED ON DRAWINGS. INSTALLATION OF FIRE ALARM SYSTEMS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION OF THE DRAWINGS AND CONTRACT SPECIFICATIONS.

B. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION OF THE DRAWINGS AND CONTRACT SPECIFICATIONS.

1.02 RELATED WORK:

A. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEMS SHALL BE U.L. LISTED.

B. SUBMIT THE FOLLOWING ITEMS:

1. MANUFACTURER'S CATALOG DATA: MANUFACTURER'S ORIGINAL CATALOG SHEETS, SPECIFICATIONS AND ALL ACCESSORIES REQUIRED FOR INSTALLATION.

2. AS BUILT DRAWINGS:

3. A COMPLETE LIST OF ALL EQUIPMENT AND COMPONENTS WITH INFORMATION ON THE MANUFACTURER, MODEL NUMBER, RATING, AND INSTALLATION REQUIREMENTS.

4. QUALITY ASSURANCE:

A. CONDUCT THE FOLLOWING TESTS DURING INSTALLATION OF WIRING AND ELECTRICAL EQUIPMENT:

1. DETERMINE THE CONFORMANCE WITH THE SPECIFIED REQUIREMENTS.

2. PROVIDE GUARDS FOR ALL DETECTORS MOUNTED IN ANY HIGH ATHLETIC STRUCTURAL ELEMENTS; VERTICAL RUNS TO BE PLUMB; HORIZONTAL RUNS TO TOGETHER WITH STRAIGHT RUNS, ALL BENDS PARALLEL AND UNFORMLY CUTS AND ORIGINAL DESCRIPTION OF DATA OF ALL MATERIAL AND CODES AND STANDARDS:

A. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEMS SHALL BE U.L. LISTED.

B. UL 864 CONTROL UNITS, FIRE PROTECTIVE SIGNALING SYSTEMS.

C. HORNS/STROBES: PROVIDE RECESSED MOUNTED, GRILLE FACE, VIBRATING DIAPHRAGM TYPE, AUDIO ALARM DEVICES CONSISTING OF AN ELECTRO-MECHANICAL HORN SUITABLE FOR USE IN AN ELECTRICALLY COMPLETE THE WORK SHOWN ON THE DRAWINGS AND/OR SPECIFIED IN ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS AND LAMPS SHALL BE PROTECTED BY A CLEAR POLYCARBONATE LENS.

1.03 CODES AND STANDARDS:

A. PROVIDE WIRING IN ACCORDANCE WITH NFPA 72.

B. PROVIDE COLOR-CODED CONDUCTORS. IDENTIFY CONDUCTORS BY PLASTIC-COATED, SELF-STICKING, PRINTED MARKERS OR BY HEAT-SHRINK TYPE INTERIOR CIRCUIT. EACH CIRCUIT COLOR CODE WIRE SHALL REMAIN UNIFORM THROUGHOUT THE CIRCUIT.

C. DESCRIPTION OF CONDUCTORS TO BE USED WITH A STATEMENT THAT ALL RATED WIRE ON J-HOOKS IS ACCEPTABLE.

1.04 QUALITY ASSURANCE:

A. THE CONTRACTOR SHALL WARRANT ALL EQUIPMENT AND WIRING FREE WITHIN THE WARRANTY PERIOD.

1.05 WARRANTIES:

A. THE CONTRACTOR SHALL WARRANT ALL EQUIPMENT AND WIRING FREE THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD IN WHOLE OR IN PART IS PROHIBITED.  TITLE F.831.646.3336    www.acemb.com

1.06 BATTERY CHARGER:

A. BATTERY CHARGER IS EXISTING TO REMAIN.

B. PROVIDE GUARDS FOR ALL DETECTORS MOUNTED IN ANY HIGH ATHLETIC STRUCTURAL ELEMENTS; VERTICAL RUNS TO BE PLUMB; HORIZONTAL RUNS TO TOGETHER WITH STRAIGHT RUNS, ALL BENDS PARALLEL AND UNIFORMLY CUTS AND ORIGINAL DESCRIPTION OF DATA OF ALL MATERIAL AND CODES AND STANDARDS:

A. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEMS SHALL BE U.L. LISTED.

B. UL 864 CONTROL UNITS, FIRE PROTECTIVE SIGNALING SYSTEMS.

C. HORNS/STROBES: PROVIDE RECESSED MOUNTED, GRILLE FACE, VIBRATING DIAPHRAGM TYPE, AUDIO ALARM DEVICES CONSISTING OF AN ELECTRO-MECHANICAL HORN SUITABLE FOR USE IN AN ELECTRICALLY COMPLETE THE WORK SHOWN ON THE DRAWINGS AND/OR SPECIFIED IN ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS AND LAMPS SHALL BE PROTECTED BY A CLEAR POLYCARBONATE LENS.

1.07 WIRING AND CONDUIT:

A. PROVIDE CONDUIT IN THE PROPER PROPORTION AS RECOMMENDED BY THE MANUFACTURER UNLESS OTHERWISE NOTED ON DRAWINGS. CONDUIT, JUNCTION-BOXES, COVERS, GUTTERS, AND TERMINAL CABINETS, SHALL BE DESIGN BY THE MANUFACTURER UNLESS OTHERWISE NOTED ON DRAWINGS ALL FOR ALARM CIRCUITS.

2.06 ALARM NOTIFICATION DEVICES:

A. COLOR OF NOTIFICATION APPLIANCES SHALL BE RED, UNLESS OTHERWISE CERTIFICATE OF COMPLETION ALONG WITH A COMPLETED TESTING MATRIX.

B. PROVIDE GUARDS FOR ALL DETECTORS MOUNTED IN ANY HIGH ATHLETIC STRUCTURAL ELEMENTS; VERTICAL RUNS TO BE PLUMB; HORIZONTAL RUNS TO TOGETHER WITH STRAIGHT RUNS, ALL BENDS PARALLEL AND UNIFORMLY CUTS AND ORIGINAL DESCRIPTION OF DATA OF ALL MATERIAL AND CODES AND STANDARDS:

A. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEMS SHALL BE U.L. LISTED.

B. UL 864 CONTROL UNITS, FIRE PROTECTIVE SIGNALING SYSTEMS.

C. HORNS/STROBES: PROVIDE RECESSED MOUNTED, GRILLE FACE, VIBRATING DIAPHRAGM TYPE, AUDIO ALARM DEVICES CONSISTING OF AN ELECTRO-MECHANICAL HORN SUITABLE FOR USE IN AN ELECTRICALLY COMPLETE THE WORK SHOWN ON THE DRAWINGS AND/OR SPECIFIED IN ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS AND LAMPS SHALL BE PROTECTED BY A CLEAR POLYCARBONATE LENS.

1.08 MOUNTING:

A. PROVIDE GUARDS FOR ALL DETECTORS MOUNTED IN ANY HIGH ATHLETIC STRUCTURAL ELEMENTS; VERTICAL RUNS TO BE PLUMB; HORIZONTAL RUNS TO TOGETHER WITH STRAIGHT RUNS, ALL BENDS PARALLEL AND UNIFORMLY CUTS AND ORIGINAL DESCRIPTION OF DATA OF ALL MATERIAL AND CODES AND STANDARDS:

A. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEMS SHALL BE U.L. LISTED.

B. UL 864 CONTROL UNITS, FIRE PROTECTIVE SIGNALING SYSTEMS.

C. HORNS/STROBES: PROVIDE RECESSED MOUNTED, GRILLE FACE, VIBRATING DIAPHRAGM TYPE, AUDIO ALARM DEVICES CONSISTING OF AN ELECTRO-MECHANICAL HORN SUITABLE FOR USE IN AN ELECTRICALLY COMPLETE THE WORK SHOWN ON THE DRAWINGS AND/OR SPECIFIED IN ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS AND LAMPS SHALL BE PROTECTED BY A CLEAR POLYCARBONATE LENS.

1.09 MOUNTING:

A. PROVIDE GUARDS FOR ALL DETECTORS MOUNTED IN ANY HIGH ATHLETIC STRUCTURAL ELEMENTS; VERTICAL RUNS TO BE PLUMB; HORIZONTAL RUNS TO TOGETHER WITH STRAIGHT RUNS, ALL BENDS PARALLEL AND UNIFORMLY CUTS AND ORIGINAL DESCRIPTION OF DATA OF ALL MATERIAL AND CODES AND STANDARDS:

A. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEMS SHALL BE U.L. LISTED.

B. UL 864 CONTROL UNITS, FIRE PROTECTIVE SIGNALING SYSTEMS.

C. HORNS/STROBES: PROVIDE RECESSED MOUNTED, GRILLE FACE, VIBRATING DIAPHRAGM TYPE, AUDIO ALARM DEVICES CONSISTING OF AN ELECTRO-MECHANICAL HORN SUITABLE FOR USE IN AN ELECTRICALLY COMPLETE THE WORK SHOWN ON THE DRAWINGS AND/OR SPECIFIED IN ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS AND LAMPS SHALL BE PROTECTED BY A CLEAR POLYCARBONATE LENS.

1.10 MOUNTING:

A. PROVIDE GUARDS FOR ALL DETECTORS MOUNTED IN ANY HIGH ATHLETIC STRUCTURAL ELEMENTS; VERTICAL RUNS TO BE PLUMB; HORIZONTAL RUNS TO TOGETHER WITH STRAIGHT RUNS, ALL BENDS PARALLEL AND UNIFORMLY CUTS AND ORIGINAL DESCRIPTION OF DATA OF ALL MATERIAL AND CODES AND STANDARDS:

A. DEVICES AND EQUIPMENT FOR FIRE ALARM SYSTEMS SHALL BE U.L. LISTED.

B. UL 864 CONTROL UNITS, FIRE PROTECTIVE SIGNALING SYSTEMS.

C. HORNS/STROBES: PROVIDE RECESSED MOUNTED, GRILLE FACE, VIBRATING DIAPHRAGM TYPE, AUDIO ALARM DEVICES CONSISTING OF AN ELECTRO-MECHANICAL HORN SUITABLE FOR USE IN AN ELECTRICALLY COMPLETE THE WORK SHOWN ON THE DRAWINGS AND/OR SPECIFIED IN ALL REQUIRED EQUIPMENT, PANELS, RACEWAYS, CONDUCTORS AND LAMPS SHALL BE PROTECTED BY A CLEAR POLYCARBONATE LENS.
The example forms shown in the sheet are for illustration purposes only. A form DSA 103s is to be completed and signed by the appropriate approving authorities on this drawing.

The example form DSA 103s shown on this sheet are for illustration purposes only. A form DSA 103s is to be completed and signed by the appropriate approving authorities on this drawing.

UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS COLUMN SPLICES OR BEAM SPLICES WHERE THE MATERIAL THICKNESS BEING WELDED IS 5/16" OR GREATER.

UT TEST SHALL NOT BE REQUIRED TO BE PERFORMED ON CJP GROOVE WELDS WHERE THE MATERIAL THICKNESS BEING WELDED IS 1/4" OR LESS.

MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN OR TRUSS CHORD TO COLUMN CJP GROOVE WELDS.

SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM

T & I FORMS

SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM
These drawings and all material contained herein are the property of Silver Creek Industries, Inc. (SCI Inc.) and shall not be reproduced, copied or otherwise disposed of directly or indirectly and shall not be used in whole or in part to assist in the making of or for the purpose of furnishing any information for the making of drawings, prints, apparatus or parts thereof without the full knowledge and written consent of SCI Inc. All patentable material contained herein and originating with SCI Inc. shall be the property of SCI Inc.
CONSTRUCTION WASTE MANAGEMENT PLAN

I. REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE MANAGEMENT COORDINATOR.

II. REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE ACCUMULATED ON-SITE.

III. DISPOSAL RECEIPTS: COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED OF.

IV. DOCUMENTATION FOR SALVAGED MATERIALS: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE.

V. SALVAGED MATERIALS DOCUMENTATION: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE.

VI. ADDITIONAL REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE ACCUMULATED ON-SITE.

VII. NOT USED WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATION AREA, PRIOR TO INSTALLATION.

VIII. ONCE INSTALLED ALL OPEN DUCTS AND REGISTERS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER VENTILATION PROTECTION.

IX. WHERE AIRBORNE PARTICLE GENERATING ACTIVITIES CANNOT BE PERFORMED AWAY FROM THE BUILDING.

X. AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING.

XI. WHERE MATERIALS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL

XII. RADIANT HEAT SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY.

XIII. FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.6.

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

I. BUILDING MATERIALS AND RELATED PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, MATERIALS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARB) AIRBORNE TOXIC CONTROL MEASURE (ATCM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 93120-93120.12, 93120.13). THE REQUIREMENTS OF THE ATCM SHALL BE MET BY THE USE OF LOW EMITTING MATERIALS AND DESIGN PROFESSIONALS AND CONSTRUCTION WORKERS.

II. BUILDING MATERIALS AND RELATED PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES; BASE COVE ADHESIVES; AND WALL FINISH DIAGRAM.

III. BUILDING MATERIALS AND RELATED PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES; BASE COVE ADHESIVES; AND WALL FINISH DIAGRAM.

OUTDOOR AIR QUALITY

I. PRIMARY EXTERIOR WALL FINISH DIAGRAM

A. PRIMARY EXTERIOR WALL FINISH DIAGRAM

B. PRIMARY EXTERIOR WALL FINISH DIAGRAM

C. PRIMARY EXTERIOR WALL FINISH DIAGRAM

D. PRIMARY EXTERIOR WALL FINISH DIAGRAM

E. PRIMARY EXTERIOR WALL FINISH DIAGRAM

F. PRIMARY EXTERIOR WALL FINISH DIAGRAM

G. PRIMARY EXTERIOR WALL FINISH DIAGRAM

H. PRIMARY EXTERIOR WALL FINISH DIAGRAM

I. PRIMARY EXTERIOR WALL FINISH DIAGRAM

J. PRIMARY EXTERIOR WALL FINISH DIAGRAM

K. PRIMARY EXTERIOR WALL FINISH DIAGRAM

L. PRIMARY EXTERIOR WALL FINISH DIAGRAM

M. PRIMARY EXTERIOR WALL FINISH DIAGRAM

N. PRIMARY EXTERIOR WALL FINISH DIAGRAM

O. PRIMARY EXTERIOR WALL FINISH DIAGRAM

P. PRIMARY EXTERIOR WALL FINISH DIAGRAM

Q. PRIMARY EXTERIOR WALL FINISH DIAGRAM

R. PRIMARY EXTERIOR WALL FINISH DIAGRAM

S. PRIMARY EXTERIOR WALL FINISH DIAGRAM

T. PRIMARY EXTERIOR WALL FINISH DIAGRAM

U. PRIMARY EXTERIOR WALL FINISH DIAGRAM

V. PRIMARY EXTERIOR WALL FINISH DIAGRAM

W. PRIMARY EXTERIOR WALL FINISH DIAGRAM

X. PRIMARY EXTERIOR WALL FINISH DIAGRAM

Y. PRIMARY EXTERIOR WALL FINISH DIAGRAM

Z. PRIMARY EXTERIOR WALL FINISH DIAGRAM

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

OUTDOOR LIGHTING (MANDATORY MEASURES)

A. LIGHTING EFFICIENCY (MANDATORY MEASURES)

B. LIGHTING EFFICIENCY (MANDATORY MEASURES)

C. LIGHTING EFFICIENCY (MANDATORY MEASURES)

D. LIGHTING EFFICIENCY (MANDATORY MEASURES)

E. LIGHTING EFFICIENCY (MANDATORY MEASURES)

F. LIGHTING EFFICIENCY (MANDATORY MEASURES)

G. LIGHTING EFFICIENCY (MANDATORY MEASURES)

H. LIGHTING EFFICIENCY (MANDATORY MEASURES)

I. LIGHTING EFFICIENCY (MANDATORY MEASURES)

J. LIGHTING EFFICIENCY (MANDATORY MEASURES)

K. LIGHTING EFFICIENCY (MANDATORY MEASURES)

L. LIGHTING EFFICIENCY (MANDATORY MEASURES)

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X. LIGHTING EFFICIENCY (MANDATORY MEASURES)

Y. LIGHTING EFFICIENCY (MANDATORY MEASURES)

Z. LIGHTING EFFICIENCY (MANDATORY MEASURES)

SOLAR READY AND ELECTRICAL DISTRIBUTION (MANDATORY MEASURES)

A. SOLAR READY AND ELECTRICAL DISTRIBUTION (MANDATORY MEASURES)

B. SOLAR READY AND ELECTRICAL DISTRIBUTION (MANDATORY MEASURES)

C. SOLAR READY AND ELECTRICAL DISTRIBUTION (MANDATORY MEASURES)

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X. SOLAR READY AND ELECTRICAL DISTRIBUTION (MANDATORY MEASURES)

Y. SOLAR READY AND ELECTRICAL DISTRIBUTION (MANDATORY MEASURES)

Z. SOLAR READY AND ELECTRICAL DISTRIBUTION (MANDATORY MEASURES)
MOISTURE PROTECTION AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE Caulking.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS, SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.

DETAIL SCHEDULE
FINISH: SHEET #:
SIDING OVER WOOD STUDS A-5.50
PLASTER OVER 1/2" OSB OR 1/2" CDX PLY A-5.51 WITH WOOD STUDS
SIDING OVER STEEL STUDS A-5.60
PLASTER OVER 1/2" OSB OR 1/2" CDX PLY A-5.61 WITH STEEL STUDS

FIRE RATED DETAIL SCHEDULE
FINISH: SHEET #:
1 HOUR - SIDING OVER WOOD STUDS A-5.52
1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY A-5.53 WITH WOOD STUDS
1 HOUR - SIDING OVER STEEL STUDS A-5.62
1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY A-5.63 WITH STEEL STUDS
NOTES
1. FOUNDATION PLAN USE 3'-0" VENTS OF EACH MODULE (A & B) TO
   PROVIDE A INTERNAL VENTILATION.  SEE VENT SCHEDULE FOR
   LOCATION.
2. 4'-0" MAXIMUM VENT SIZE AT SIDE WALL
3. 2'-0" MAXIMUM VENT SIZE AT END WALL
4. 2" MINIMUM DISTANCE BETWEEN CENTER OF VENTS TO CENTER OF VENTS
5. CONCRETE UNIT VENTILATION (OPTIONAL)

The following joints are not to be included in the VENTING SCHEDULE:
- Joints between the footings and stemwall
- Joints between the stemwall and foundation wall

AIR SHIELDS SHALL BE USED IN CONJUNCTION WITH BILATERAL JOINTS OR "BEAD" JOINTS TO PREVENT CONVECTION CIRCULATION. JOINTS BETWEEN THE WALL AND THE FOUNDATION SHALL BE KEYED (2 1/2" WIDE (MIN) x 1 1/2" DEEP) PRIOR TO THE PLACEMENT OF CONCRETE.

F-2.50
4'-0"
5'-11 1/2"
@ VENT
FOR ACTUAL VENTS AND
LOCATIONS (SEE VENTING CALCULATIONS)

### VENT SCHEDULE

<table>
<thead>
<tr>
<th>VENT &quot;C&quot;</th>
<th>4'-0&quot; x 8&quot; METAL SCREEN COVER</th>
<th>7'-10&quot; x 5&quot;</th>
<th>3.26 S.F. VENTILATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VENT &quot;B&quot;</td>
<td>3'-0&quot; x 2'-0&quot; METAL SCREEN COVER</td>
<td>2'-0&quot; x 3' ACCESS GRATE</td>
<td>1.59 S.F. VENTILATION</td>
</tr>
<tr>
<td>VENT &quot;A&quot;</td>
<td>12' x 40' PC</td>
<td>12' x 40' PC</td>
<td>4.25 S.F. VENTILATION</td>
</tr>
</tbody>
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### FOOTING SCHEDULE

<table>
<thead>
<tr>
<th>FOOTING</th>
<th>T &amp; B</th>
<th>FOOTING</th>
<th>T &amp; B</th>
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### VENTING CALCULATION:

- 4'-0" VENTS
- 5'-11 1/2" VENTS

### SCALE:

DRAWN BY: PROJECT NO: 04-119218

DATE: 07/01/2021

REV: 04-119218

PC

PROJECT NAME: SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM

CONCRETE FOUNDATION PLAN
BELOW GRADE CONC.
WOOD FLOOR

SILVER CREEK INDUSTRIES, INC.
Building for the Next Generation
CALL 951-943-5393 OR 951-943-2211 TO ORDER
www.silvercreekindustries.com

REVISIONS
06-22-2020

CONSTRUCTION PROFESSIONAL

P.C. SHEET NUMBER

SPRECKELS UNION SD
SPRECKELS ES
(1) 12x40 RESTROOM

CONCRETE FOUNDATION PLAN
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REVISIONS
06-22-2020

CONSTRUCTION PROFESSIONAL

P.C. SHEET NUMBER
ANCHOR PLATE AT CORNER

ANCHOR PLATE AT SIDEWALL OR ENDWALL @ VENT

CRAWLSPACE VAPOR RETARDER

FOUNDATION WELDING W/ SHIM PLATES

WELD ANGLE DETAIL

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

FOUNDATION - WELDED

PIPE SLEEVE DETAIL

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

1. GENERAL:
   a. All structural steel shall be made with Hot Rolled or Plate Steel, with a minimum yield strength of 36 ksi, and shall conform to the requirements of AISC-2016.
   b. All structural steel shall be made either by the open-hearth or electric furnace process only.
   c. All structural steel shall be made in accordance with AISC-2016 and shall conform to the requirements of AISC-2016.

2. DESIGN:
   a. All framing lumber shall be DF #2 or better.
   b. All framing lumber shall be grade marked by an approved grading agency and shall conform to the requirements of AISC-2016.

3. WELDING:
   a. All welds shall be made with a filler metal that has a minimum Charpy V-notch toughness of 20 ft/lbs as specified in AISC-2016.
   b. All welds shall be made in accordance with the requirements of AISC-2016.

4. CONNECTIONS:
   a. All connections shall be adequate to withstand stresses to which they are normally subjected. Connections shall be made in accordance with AISC-2016.
   b. Connections shall be made in accordance with AISC-2016.

5. REBAR:
   a. All rebar and shall be E60XX for light gauge steel. (See optional process)
   b. All rebar and shall be E60XX for light gauge steel. (See optional process)

6. CONCRETE:
   a. Concrete strength at 28 days shall be as specified in Title 24.
   b. Concrete foundation tests and inspections shall be the responsibility of the structural engineer.

7. WOOD:
   a. All rough lumber shall be DF #2 or better.
   b. All rough lumber shall be grade marked by an approved grading agency and shall conform to the requirements of AISC-2016.

8. FASTENERS:
   a. All power driven fasteners shall be Hilti fasteners ICC# ESR-1663, and Ramset power fasteners.
   b. All power driven fasteners shall be Hilti fasteners ICC# ESR-1663, and Ramset power fasteners.

9. SHAPES:
   a. All structural steel shall conform to the requirements of AISC-2016.
   b. All structural steel shall conform to the requirements of AISC-2016.

10. MEASUREMENT:
    a. All measurements shall be made in accordance with the requirements of AISC-2016.
    b. All measurements shall be made in accordance with the requirements of AISC-2016.

11. DRAWINGS:
     a. All drawings shall be made in accordance with the requirements of AISC-2016.
     b. All drawings shall be made in accordance with the requirements of AISC-2016.

12. INSPECTIONS:
     a. All inspections shall be made in accordance with the requirements of AISC-2016.
     b. All inspections shall be made in accordance with the requirements of AISC-2016.

13. QUALIFICATIONS:
     a. All qualifications shall be made in accordance with the requirements of AISC-2016.
     b. All qualifications shall be made in accordance with the requirements of AISC-2016.

14. APPROVALS:
     a. All approvals shall be made in accordance with the requirements of AISC-2016.
     b. All approvals shall be made in accordance with the requirements of AISC-2016.

15. COMPLIANCE:
     a. All compliance shall be made in accordance with the requirements of AISC-2016.
     b. All compliance shall be made in accordance with the requirements of AISC-2016.

16. CHANGES:
     a. All changes shall be made in accordance with the requirements of AISC-2016.
     b. All changes shall be made in accordance with the requirements of AISC-2016.

17. PATENTABILITY:
     a. All patentability shall be made in accordance with the requirements of AISC-2016.
     b. All patentability shall be made in accordance with the requirements of AISC-2016.

18. SECURITY:
     a. All security shall be made in accordance with the requirements of AISC-2016.
     b. All security shall be made in accordance with the requirements of AISC-2016.

19. WORKMANSHIP:
     a. All workmanship shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.
     b. All workmanship shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.

20. CONSTRUCTION:
     a. All construction shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.
     b. All construction shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.

21. TEMPERATURE:
     a. All temperature shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.
     b. All temperature shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.

22. HUMIDITY:
     a. All humidity shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.
     b. All humidity shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.

23. MECHANICAL:
     a. All mechanical shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.
     b. All mechanical shall be made in accordance with the best practice, which is to be accurate as to measurements and shall be carefully done.
1. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPACED AT NOT MORE THAN 24" OC.

NOTES:

2. EXTERIOR STUD SPACING SHOWN IN THE TABLE ABOVE IS TYPICAL, HOWEVER, 2x8 STUDS (HF #2 OR BETTER) MAY BE SPACED AT NOT MORE THAN 24" OC.

Bored Holes

Scale: 1" = 1'-0"

#2 2x6 OPENING STUDS SCHEDULE

Scale: 1" = 1'-0"

Full Height INTERIOR Partition

Scale: 1" = 1'-0"

Full Height INTERIOR Partition

Scale: 1" = 1'-0"

Cutting and Notching

Scale: 1" = 1'-0"

2x6 Wall Framing Schedule

Scale: 1" = 1'-0"

2x8 Wall Framing Schedule

Scale: 1" = 1'-0"
PLUMBING ACCESSORIES:

- Toilet flush valves:
  - Standard: Sloan Royal #115-1.28 Low Consumption
  - Alternative: American Standard 6550.501

- Urinal flush valves:
  - Standard: Sloan Royal #111-1.28 Low Consumption
  - Alternative: American Standard Baby Devoro

- Toilet seats and covers:
  - Solid open white elongated plastic seat; Sloan Royal #115-1.28 Low Consumption
  - Solid open white elongated plastic seat; American Standard Babo Devoro
  - Solid open white elongated plastic seat; Olssonite 126CC

- Urinal seats and covers:
  - Elongated white plastic seat; Sloan Royal #115-1.28 Low Consumption
  - Elongated white plastic seat; American Standard 2234.001 Madera
  - Elongated white plastic seat; American Standard 2856.128

- Hand dryers and dispensers:
  - American Standard Spacemaker 20-1034
  - American Standard Spacemaker 20-1034

- Wall and floor finishes:
  - American Standard - Silver
  - American Standard - White
  - American Standard - Black

- Fixtures:
  - Standard: Proflo Standard PF1731 Wall (1.28 GPF)
  - Standard: Proflo PF1815 (0.125 GPF)
  - Standard: Sloan Royal #115-1.28 Low Consumption

- Insulation:
  - Covered. Insulation shall be insulated:
    - Water and drain lines

- Floor and wall finishes:
  - American Standard - Silver
  - American Standard - White
  - American Standard - Black

- Electrical components:
  - Switches and outlets

- Lighting fixtures:
  - American Standard - LED Task Fixtures
  - American Standard - LED Task Fixtures

- Safety features:
  - Non-slip surfaces

- Accessory items:
  - Soap dispensers
  - Tissue dispensers

- Storage:
  - Wall and floor cabinets

- Security features:
  - Locks and latches

- HVAC systems:
  - Heating and cooling systems

- Plumbing systems:
  - Water supply and drainage systems

- Ventilation systems:
  - Exhaust fans and vents

- Miscellaneous:
  - Signage
  - Security cameras

- Furniture:
  - Desks and chairs

- Audio-visual equipment:
  - Projectors and screens

- Software tools:
  - AutoCAD

- Documentation:
  - Drawings, prints, apparatus, or parts

- Patents:
  - Any patentable material contained therein

- Trademarks:
  - American Standard

- Copyrights:
  - American Standard

- Trademark:
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GENERAL NOTES
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE AN ENSURABLE/INSPECTABLE COMMUNITY IN THE CITY OF SAN DIEGO. THE FOLLOWING PROVISIONS SHALL BE ADHERED TO:
1. ALL PERMANENT MATERIALS AND COMPONENTS SHALL BE TEMPERATURE RESISTANT.
2.肿瘤) equipment shall be insulated with an R-15 blanket for a total of 6 hours.
3. All equipment shall comply with the requirements of the State of California and the City of San Diego.
4. All equipment shall be installed in accordance with the applicable codes.

MECHANICAL NOTES, SCHEDULES, & DETAILS
(1) 12x40 RESTROOM

BROAN
* MODEL
100 CFM
120 VOLS
FASTEN W/ #8 STSMS TO UNIT AND 120 W/ 2-#8 STSMS (1) .018 STRAP ON EACH SIDE OF ACoustical CEILING TILE 1 WATTS LBS.
WITH LIGHT SWITCH.

ACOUSTICAL CEILING TILE
127 W/ 2-#8 STSMS}

ACOUSTICAL CEILING TILE
127 W/ 2-#8 STSMS
SCHOOL EQUIPMENT ANCHORAGE

1. All mechanical, plumbing, and electrical components shall be equipped with sufficient resistance to seismic forces. All buildings shall be equipped with seismic isolation components to reduce the seismic forces to which the building is subjected. All buildings shall be equipped with seismic isolation components to reduce the seismic forces to which the building is subjected.

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GROUND JUMPER AT MOLDING

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LYTIC COLUMNS, CONCRETE - PANELIZED BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES, INC.

Building for the New Generation

Certified by the California State Bar

SPRECKELS UNION SD
SPRECKELS ES

DATE: 07/01/2021
04-119218
PC STATE AGENCY APPROVAL

E-1.01