AB RESTROOM RENOVATION

CONTRA COSTA COUNTY COMMUNITY COLLEGE DISTRICT

THIS PROJECT HAS BEEN REVIEWED UNDER THE DSA-66 PROVISIONS (TAB CCB SECTION 1.8.2).

STATEMENT OF GENERAL CONFORMANCE

THE DRAWINGS OR SHEETS LISTED ON THE SHEET INDEX AND INDICATED BY AN ASTERISK, HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1) DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2) COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.


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FOR SHEET INDEX, SEE G0.2
**SCOPE OF WORK**

This list serves as a general summary of the work. For detailed requirements, see plans & specifications.

The scope of this work involves the modernization of existing toilet rooms and the conversion of an existing locker room into a storage area.

- **Demolition - Interior**
  - Remove existing finish, walls, fixtures, and finishes. Mechanical, plumbing, and electrical systems. Remove portion of slab on grade and one wood post. See sheets 4(2) and 5.

- **Demolition - Exterior**
  - Remove existing finish in existing wall. For new toilet room door, see sheet 3.10.

- **Modernization**
  - Replace existing finish, interior finishes, fixtures, and mechanical/electrical systems. Replace existing fire sprinkler system. Repair portion of exterior walls.

**SHEET INDEX**

- **GENERAL**
  - R sheets
    - R0.0: COVER SHEET
    - R0.1: GENERAL NOTES
    - R0.2: AS BATHROOMS PLANS AND INTERIOR ELEVATIONS
    - R0.3: AS BATHROOMS EXTERIOR ELEVATIONS
    - R0.4: AS BATHROOMS ROOF PLANS
    - R0.5: AS BATHROOMS DETAILS
    - R0.6: AS BATHROOMS SCHEDULES

- **ARCHITECTURAL**
  - A sheets
    - A0.1: DEMOLITION FLOOR PLAN
    - A0.2: AS BATHROOMS PLANS AND INTERIOR ELEVATIONS
    - A0.3: AS BATHROOMS EXTERIOR ELEVATIONS
    - A0.4: AS BATHROOMS ROOF PLANS
    - A0.5: AS BATHROOMS DETAILS
    - A0.6: AS BATHROOMS SCHEDULES

- **STRUCTURAL**
  - S sheets
    - S0.1: GENERAL NOTES
    - S0.2: PARTIAL FLOOR PLAN
    - S0.3: CONCRETE DETAILS
    - S0.4: WOOD DETAILS

- **MECHANICAL / PLUMBING**
  - M sheets
    - M0.1: MECHANICAL PLUMB LOBBER & SCHEDULES
    - M0.2: MECHANICAL PLUMB DRAWING & SCHEDULES
    - M0.3: MECHANICAL PLUMB DETAIL
    - M0.4: MECHANICAL PLUMB BID SHEET
    - M0.5: PLUMBING DETAILS
    - M0.6: FIRE PUMP PLANS

- **ELECTRICAL**
  - E sheets
    - E0.1: SYMBOL LIST, GENERAL NOTES & LIST OF DRAWINGS
    - E0.2: LIGHTING SCHEDULE & DRAWING & DOCUMENTS
    - E0.3: MECHANICAL PLUMB PLAN - ELECTRICAL
    - E0.4: AS BATHROOMS PLAN - ELECTRICAL
    - E0.5: AS BATHROOMS PLANS - DETAIL PLAN
    - E0.6: AS BATHROOMS PLAN - POWER & SIGNAL

- **FIRE ALARM**
  - F sheets
    - F0.1: FIRE ALARM EQUIPMENT LIST, NOTES & DETAILS
    - F0.2: FIRE ALARM PLANS
    - F0.3: FIRE ALARM SCHEMATIC

- **DRAWING NUMBER**
  - 100-1002
ACCESSIBILITY REQUIREMENTS

ACCESSIBLE PATH OF TRAVEL

A path is a barrier-free access route from the public entrance to the accessible toilet room. The path is a continuous, unobstructed surface that is uninterrupted by stairs or an abrupt change in level. The slope of any change in level shall be no greater than 1:48. A change in level shall not be considered if 2 inches or less in rise and 24 inches or less in length. The slope shall be such that it is flush in direction of travel, of any walkways, steps, and vertical to the side walls.

ACCESSIBLE ENTRANCE

An entrance is the entrance to an accessible toilet room, which includes the entrance. The entrance includes, but not limited to, the following:

1. 36" clear opening width.
2. A clear unobstructed space clearance of not less than 54" X 48" in each direction of the entrance.
3. A clear unobstructed space at the threshold for 24" X 48" in any direction where the access is utilized.
4. Accessible handrails, hardware, and controls on doors and hardware on the entrance door.

CODE SUMMARY

CONSTRUCTION TYPE: 2

TOTAL FLOOR AREA: 7,210 SF

TOTAL ADDITIONAL FLOOR AREA: 6,600 SF

ACCESSIBILITY REQUIREMENTS

Instructions and notes for the accessibility requirements are as follows:

- Location of accessible toilets:
  - FIRST FLOOR PLAN
  - SECOND FLOOR PLAN

- Accessible path of travel:
  - Continuity of unobstructed surface
  - No abrupt changes in level
  - Slope of less than 1:48

- Accessible entrance:
  - Minimum clearance
  - Clear unobstructed space
  - Handrails and controls
  - International Symbol of Accessibility

- Code summary:
  - Construction type: 2
  - Total floor area: 7,210 SF
  - Total additional floor area: 6,600 SF

- Accessible path of travel:
  - First floor plan
  - Second floor plan

- Code summary:
  - Construction type: 2
  - Total floor area: 7,210 SF
  - Total additional floor area: 6,600 SF

- Accessible entrance:
  - Minimum clearance
  - Clear unobstructed space
  - Handrails and controls
  - International Symbol of Accessibility

- Code summary:
  - Construction type: 2
  - Total floor area: 7,210 SF
  - Total additional floor area: 6,600 SF
**IMPORTANT SHEET NOTE:**

These are typical material and details intended to convey general conditions and requirements. See details elsewhere for specific project conditions not shown here.

1. **Mechanically Attached Wall Flashing Options**
   - **Option 1:**
     - Dunn-Last Resident (2) - Flat Membrane
     - Dunn-Last Priors (2) - Plate Membrane
     - Dunn-Last Priors (2) - Substrate Membrane
   - **Option 2:**
     - Dunn-Last Priors (2) - Plate Membrane
     - Dunn-Last Priors (2) - Substrate Membrane

   **IMPORTANT:** Use one of these options for flashing the roof system at the roof-to-wall transition when the wall flashing is a mechanically fastened. See DRR 3000 for adhering wall flashing.

   **Note:** Minimum termination height for wall flashing is 8-1/2 inches above the finished deck. See sheet L010 for sink spouts.

2. **Adhered Dunn-Prior Flashing Options**
   - **Option 1:**
     - Dunn-Last Priors (2) - Plate Membrane
     - Dunn-Last Priors (2) - Substrate Membrane
   - **Option 2:**
     - Dunn-Last Priors (2) - Plate Membrane
     - Dunn-Last Priors (2) - Substrate Membrane

   **IMPORTANT:** Use one of these options for flashing the roof system at the roof-to-wall transition when the wall flashing is a mechanically fastened. See DRR 3000 for adhering wall flashing.

   **Note:** Minimum termination height for wall flashing is 8-1/2 inches above the finished deck.

   **Note:** If sub-base is used, see Section 2 of the Adhered Dunn-Prior Flashing System specification.

   **Note:** If approved adhered, refer to Section 2 of the Adhered Dunn-Prior Flashing System specification.

   **Note:** Field wall Dunn-Last membrane: Membrane must be at least 8 inches wide and be the same width as the Dunn-Last membranes.

3. **Parapet Wall Flashing**
   - **Option 1:**
     - New Construction or Renovated
     - Existing Construction or Renovated

4. **Overhead Drain**
   - New Construction or Renovated
   - Existing Construction or Renovated

5. **Cantilever Coping**
   - New Construction or Renovated
   - Existing Construction or Renovated

6. **Flush Coping with Continuous Cleat**
   - New Construction or Renovated
   - Existing Construction or Renovated

7. **Wood Siding**
   - New Construction or Renovated
   - Existing Construction or Renovated

8. **Sheet No.:**
   - **POLICE + TAILING OF PARAPET, see Specification Section 0949 05**

9. **Round Penetration**
   - New Construction or Renovated
   - Existing Construction or Renovated

10. **Rectangular Penetration**
    - New Construction or Renovated
    - Existing Construction or Renovated
**SIGN SCHEDULE**

<table>
<thead>
<tr>
<th>NO.</th>
<th>SIGN NO.</th>
<th>ROOM NAME</th>
<th>TOILET EXIT SIGN</th>
<th>SIG. SIZE</th>
<th>SIG. TYPE</th>
<th>COVERAGE TYPE</th>
<th>MATERIAL</th>
<th>FRAMES</th>
<th>MOUNTING DETAILS</th>
<th>LOCKS</th>
<th>INTERIOR ACCESSORIES</th>
<th>REMARKS</th>
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**DOOR SCHEDULE**

<table>
<thead>
<tr>
<th>DOOR TYPE</th>
<th>DOOR SIZE</th>
<th>DOOR TYPE</th>
<th>Hinges</th>
<th>Locks</th>
<th>Interior Accessory</th>
<th>Exterior Accessory</th>
<th>Glass</th>
<th>Remarks</th>
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<tr>
<td></td>
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**DOOR TYPES**

- SCALE: 1" = 1'-0"

**DOOR SCHEDULE**

- **Summary**: This sheet includes details for door schedules and sign schedules for various rooms and areas.

- **Sign Schedule**: Includes signs for various room numbers and types, with specific details for size, type, coverage, and mounting.

- **Door Schedule**: Provides information on door types, sizes, hinging, locking, and interior/exterior accessories.

**Abbreviations**:

- **6th**: 6th floor
- **7th**: 7th floor
- **P**: Pass
- **T**: Trailer
- **F**: Fixed Wood
- **A**: Accessory Wood
- **S**: Sanitary Facility
- **E**: Exit
- **F**: Frame

**NOTES**:

1. **Opening Verification**: Verify all flush oprener and wall, push-puller, and flush-puller. Provide 3 to 5 angles and installation of doors. Verify frame sizes & hardware are correct for product.
2. **Hardware Verification**: Verify all hardware is correct and doors are operable from the inside. Without the use of a key or any special effort or knowledge.

**ABBRVIATIONS**: See sign schedule.
### Finish Schedule

<table>
<thead>
<tr>
<th>ROOM NO</th>
<th>ROOM NAME</th>
<th>FLOOR</th>
<th>DATE</th>
<th>WALLS</th>
<th>CEIL./DOOR</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>226</td>
<td>CUDDLERS</td>
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<td>CT1</td>
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<tr>
<td>226</td>
<td>CUDDLERS</td>
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<td>CT1</td>
<td>CT1</td>
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<tr>
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<td>CUDDLERS</td>
<td>CTA</td>
<td>CT1</td>
<td>CT1</td>
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<tr>
<td>227</td>
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<td>CT1</td>
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<tr>
<td>228</td>
<td>CUDDLERS</td>
<td>CTA</td>
<td>CT1</td>
<td>CT1</td>
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</tr>
</tbody>
</table>

### Finish Notes

1. Finish selections & substitutions
   - All finishes specified in these notes and legend are provided as a basis of design for performance, color, and texture of each finish and are procured on an "OR EASILY EQUITABLE" BASIS. Product substitution allowed with an effort made by the Architect to achieve similar color, texture, and appearance as closely as possible as determined by the architect.

2. Maximum allowable paint spread
   - Maximum allowable spread: 1 hr. 50 min. & 1/2 hr. 15 min. @ 70 C & 30% R.H. or 30 C & 65% R.H.

3. Verify material / color termination points
   - Contractor to verify in architect all termination points of color & material changes on all floors & levels. Request Remeasure Prior to start & end of work. Changed in color & texture in accordance with Architect, submitted to Architect for approval prior to application or installation for all paint finishes. Request Remeasure Prior to start & end of work. Changed in color & texture in accordance with Architect, submitted to Architect for approval prior to application or installation for all paint finishes.

4. Paint samplers
   - Contractor to submit paint samples to Architect for approval prior to application or installation for all paint finishes. Request Remeasure Prior to start & end of work. Changed in color & texture in accordance with Architect, submitted to Architect for approval prior to application or installation for all paint finishes.

5. Match color
   - All finish selections noted to match existing colors and materials. Products listed are for reference only. Actual paint color and material selections are subject to approval by Architect. Request Remeasure Prior to application or installation for all paint finishes. Request Remeasure Prior to start & end of work. Changed in color & texture in accordance with Architect, submitted to Architect for approval prior to application or installation for all paint finishes.

6. Ceiling finishes
   - Ocean view areas located ceilings for specific locations & configurations of ceiling systems.

7. Coordinate lighting finishes
   - Ocean view areas located ceilings for specific locations & configurations of ceiling systems.

8. Clean seal
   - Manufacturer: Seal Krete / product: Clear Seal, Satin, Low VOC.
# Fastening Schedule Table 2304.9.1

<table>
<thead>
<tr>
<th>Location</th>
<th>Connection</th>
<th>Fastening Type</th>
<th>Description</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>Top beam</td>
<td>Roll</td>
<td>Bolt</td>
<td>1/2&quot; UNC x 6.0&quot;</td>
<td>Table 2304.9.1</td>
</tr>
<tr>
<td>Middle beam</td>
<td>Roll</td>
<td>Bolt</td>
<td>1/2&quot; UNC x 6.0&quot;</td>
<td>Table 2304.9.1</td>
</tr>
<tr>
<td>Bottom beam</td>
<td>Roll</td>
<td>Bolt</td>
<td>1/2&quot; UNC x 6.0&quot;</td>
<td>Table 2304.9.1</td>
</tr>
<tr>
<td>Top beam</td>
<td>Flange</td>
<td>Screw</td>
<td>#8 x 2.0&quot;</td>
<td>Table 2304.9.1</td>
</tr>
<tr>
<td>Middle beam</td>
<td>Flange</td>
<td>Screw</td>
<td>#8 x 2.0&quot;</td>
<td>Table 2304.9.1</td>
</tr>
<tr>
<td>Bottom beam</td>
<td>Flange</td>
<td>Screw</td>
<td>#8 x 2.0&quot;</td>
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<tr>
<td>Top beam</td>
<td>Bracket</td>
<td>Bolt</td>
<td>1/2&quot; UNC x 6.0&quot;</td>
<td>Table 2304.9.1</td>
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<tr>
<td>Middle beam</td>
<td>Bracket</td>
<td>Bolt</td>
<td>1/2&quot; UNC x 6.0&quot;</td>
<td>Table 2304.9.1</td>
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<tr>
<td>Bottom beam</td>
<td>Bracket</td>
<td>Bolt</td>
<td>1/2&quot; UNC x 6.0&quot;</td>
<td>Table 2304.9.1</td>
</tr>
</tbody>
</table>

**Notes:**
- Fastenings are listed in order of occurrence along the beam.
- All fastenings are to be applied using appropriate torque wrenches.
- Fastenings are to be tightened to the specified torque values.
- All fastenings are to be checked for alignment and proper seating before final tightening.
- Fastenings are to be painted with a rust-resistant primer before final installation.

**Table 2304.9.1 - Fastening Schedule**

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
<th>Size</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Top beam</td>
<td>Steel</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Middle beam</td>
<td>Steel</td>
<td>C</td>
<td>D</td>
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<tr>
<td>Bottom beam</td>
<td>Steel</td>
<td>E</td>
<td>F</td>
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</tbody>
</table>

**References:**
- ANSI B18.2.2, "American National Standard Fastener Marking Practice: Threads and Threads Cuts for Metric Coarse and Fine Threads."
CONTROL HEAT PUMP DIAGRAM

SCALE: 1/4" = 1'-0"
### Voltage Drop Calculations

<table>
<thead>
<tr>
<th>Circuit</th>
<th>MAX Volt Drop</th>
<th>MAX % Drop</th>
<th>MIN Volt Drop</th>
<th>MIN % Drop</th>
</tr>
</thead>
<tbody>
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<td>Circuit 1</td>
<td>1215.1</td>
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<td>1020</td>
<td>1.0%</td>
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<td>Circuit 2</td>
<td>1215.1</td>
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<td>1020</td>
<td>1.0%</td>
</tr>
<tr>
<td>Circuit 3</td>
<td>1215.1</td>
<td>1.0%</td>
<td>1020</td>
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<td>1215.1</td>
<td>1.0%</td>
<td>1020</td>
<td>1.0%</td>
</tr>
</tbody>
</table>

---

### Battery Calculations

**Total Battery Required:**
- **Battery 1:** 0.368 A
- **Battery 2:** 0.368 A

**Total Current:** 0.736 A

**Battery Size:**
- **Battery 1:** 0.358 A
- **Battery 2:** 0.358 A

**Battery Capacity:**
- **Battery 1:** 0.368 A x 1.08 = 0.400 Ah
- **Battery 2:** 0.368 A x 1.08 = 0.400 Ah

**Total Battery Capacity:**
- **Battery 1:** 0.368 A x 1.08 = 0.400 Ah
- **Battery 2:** 0.368 A x 1.08 = 0.400 Ah

**Total Batteries Required:**
- **Battery 1:** 0.368 A / 0.358 A = 1.04 Ah
- **Battery 2:** 0.368 A / 0.358 A = 1.04 Ah

**Total Batteries Required With 120% Battery Rating Factor:**
- **Battery 1:** 0.368 A x 1.20 = 0.442 Ah
- **Battery 2:** 0.368 A x 1.20 = 0.442 Ah

**Total Batteries Required:**
- **Battery 1:** 0.442 Ah / 0.358 Ah = 1.24
- **Battery 2:** 0.442 Ah / 0.358 Ah = 1.24

**Provide Two 12V, 2AH Batteries**

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### Diagram

- **System Diagram:** Fire Alarm System Diagram
- **Legend:** B-A = Battery
- **Markings:** F = Fire Alarm

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### Notes

- **Riser Diagram:** Fire Alarm System Riser Diagram
- **Legend:** F = Fire Alarm
- **Markings:** F = Fire Alarm

---

**Scale:** 1/8" = 1'-0"