## General Notes

1. Before commencement of work, the Contractor shall verify the locations, elevations, and properties of all utilities and public improvements, and shall keep a detailed record of the same.

2. Exact locations and routing weights of all plumbing fixtures shall be furnished to the Architect prior to the issuance of the construction permit.

3. The Contractor shall comply with all applicable local, state, and national codes and regulations regarding plumbing fixtures and materials.

4. The Contractor shall provide all necessary labor, materials, and equipment for the installation of all plumbing fixtures and systems.

5. The Contractor shall ensure that all plumbing systems are properly connected and tested for leakage.

6. The Contractor shall provide all necessary labor, materials, and equipment for the installation of all plumbing fixtures and systems.

7. The Contractor shall provide all necessary labor, materials, and equipment for the installation of all plumbing fixtures and systems.

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11. The Contractor shall provide all necessary labor, materials, and equipment for the installation of all plumbing fixtures and systems.

## Plumbing Schedule

<table>
<thead>
<tr>
<th>Schedule 2020 CFC</th>
</tr>
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<tbody>
<tr>
<td><strong>ELECTRIC WATER HEATER SCHEDULE</strong></td>
</tr>
<tr>
<td><strong>Schedule</strong></td>
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<tr>
<td><strong>KVA</strong></td>
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<tr>
<td><strong>6 KW</strong></td>
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<tr>
<td><strong>12 KW</strong></td>
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<tr>
<td><strong>18 KW</strong></td>
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<tr>
<td><strong>24 KW</strong></td>
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## Plumbing Fixture Schedule

<table>
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<tr>
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<tbody>
<tr>
<td><strong>PLUMBING FIXTURE SCHEDULE</strong></td>
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<tr>
<td><strong>Schedule</strong></td>
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<tr>
<td><strong>WATER FLUSH</strong></td>
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<tr>
<td><strong>LAVATORY</strong></td>
</tr>
<tr>
<td><strong>FLOOR PLAN</strong></td>
</tr>
<tr>
<td><strong>SHEETH INDEX</strong></td>
</tr>
<tr>
<td><strong>CONF.FTP.</strong></td>
</tr>
<tr>
<td><strong>PLUMBING LAYOUT</strong></td>
</tr>
<tr>
<td><strong>LIST OF APPLICABLE CODES</strong></td>
</tr>
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</table>

## Description of Applicable Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Building Code (B)</td>
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<tr>
<td>2</td>
<td>Electrical Code (E)</td>
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<tr>
<td>3</td>
<td>Plumbing Code (P)</td>
</tr>
<tr>
<td>4</td>
<td>Mechanical Code (M)</td>
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</table>

**HESTER SCHOOL RESTROOMS & LIFE LAB**
1469 THE ALAMEDA
SANTA CLARA COUNTY OFFICE OF EDUCATION

**SANTA CLARA COUNTY OFFICE OF EDUCATION**

**PLUMBING GENERAL LEGEND & SCHEDULE**

<table>
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<tr>
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<tr>
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<tr>
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<td>Fixtures (F)</td>
</tr>
<tr>
<td>2</td>
<td>Cabinets (C)</td>
</tr>
</tbody>
</table>

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<th>Code</th>
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<tbody>
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<td>1</td>
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<td>Plumbing Code (P)</td>
</tr>
<tr>
<td>4</td>
<td>Mechanical Code (M)</td>
</tr>
</tbody>
</table>
GENERAL NOTES (CONTINUATION)

20. ALL UNDERSTANDING CONTRACTS SHALL HAVE 72 TRAYS TRAYS WITH TWIN UNDERWIRE UNDER 6" OR 12" FLEXIBLE CABLE ONLY. "CABLE" AND "WIRE" SHALL BE EXPERIENCE WISELY SELECTED FOR TERMINATION POINTS FIRST, AT A 3/32" PER FOOT SUCH SUPPORT AND SHALL BE TRAPPED SECURED TO CONSIDER OF CONSTRUCTION DETAILS.
21. IF THE CONTRACTOR MANUFACTURING AT THE JOB SITE, AN UP TO DATE "AS BUILT" DRAWING SHOULD BE SUBMITTED TO THE LOCAL CODE OF THE VENDOR, WHICH IS TO BE CONSIDERED IN THE "AS BUILT" DRAWING. THE NO COST DRAWING SHALL BE IN THE COMPLIANCE AND BE SUBMITTED TO THE LOCAL CODE OF THE VENDOR. THESE DRAWINGS SHOULD BE DATED AND THE GEM DRAWING BEYOND.
22. IF THE CONTRACTOR MANUFACTURES AT THE JOB SITE, AN UP TO DATE "AS BUILT" DRAWING SHOULD BE SUBMITTED TO THE LOCAL CODE OF THE VENDOR, WHICH IS TO BE CONSIDERED IN THE "AS BUILT" DRAWING. THE NO COST DRAWING SHALL BE IN THE COMPLIANCE AND BE SUBMITTED TO THE LOCAL CODE OF THE VENDOR. THESE DRAWINGS SHOULD BE DATED AND THE GEM DRAWING BEYOND.
23. UNLESS OTHERWISE SPECIFIED, ALL ELECTRICAL MATERIALS SHALL BE APPROVED OR LISTED BY THE LOCAL CODE OF THE VENDOR. THE VENDOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE MATERIALS.
24. IF THE CONTRACTOR MANUFACTURES AT THE JOB SITE, AN UP TO DATE "AS BUILT" DRAWING SHOULD BE SUBMITTED TO THE LOCAL CODE OF THE VENDOR, WHICH IS TO BE CONSIDERED IN THE "AS BUILT" DRAWING. THE NO COST DRAWING SHALL BE IN THE COMPLIANCE AND BE SUBMITTED TO THE LOCAL CODE OF THE VENDOR. THESE DRAWINGS SHOULD BE DATED AND THE GEM DRAWING BEYOND.
25. ESSENTIAL TO COMPLY WITH THE LOCAL CODE OF THE VENDOR, WHICH IS TO BE CONSIDERED IN THE "AS BUILT" DRAWING. THE NO COST DRAWING SHALL BE IN THE COMPLIANCE AND BE SUBMITTED TO THE LOCAL CODE OF THE VENDOR. THESE DRAWINGS SHOULD BE DATED AND THE GEM DRAWING BEYOND.

LIST OF APPLICABLE CODES

1. 2018 CALIFORNIA BUILDING CODE (2018 CBC) (PART 1, TITLE 24, DIVISION 3)
2. 2018 CALIFORNIA BUILDING CODE (2018 CBC) (PART 6, TITLE 24, DIVISION 9)
3. 2018 CALIFORNIA ELECTRICAL CODE (2018 NEC) (PART 1, TITLE 24, DIVISION 7)
4. 2018 CALIFORNIA MECHANICAL CODE (2018 MCE) (PART 1, TITLE 24, DIVISION 7)
5. 2018 CALIFORNIA PLUMBING CODE (2018 CBC) (PART 6, TITLE 24, DIVISION 9)
6. 2018 CALIFORNIA REFERENCE SCAWES (2018 CBC) (PART 6, TITLE 24, DIVISION 9)
8. NFPA 14, 2016 EDITION, THE INSTALLATION OF INTEGRAL SYSTEMS, PRIME VEHICLE AND FIRE SYSTEMS
10. NFPA 21, 2014 EDITION, WELDING, FIRE ARM CODE, AS AMENDED
11. 2015 ASH CODES FOR ACCESSIBLE DESIGN.

DRAWING INDEX

0.1 ELECTRICAL COVER SHEET
0.2 CERTIFICATE OF COMPLIANCE TITLE 24
0.3 ELECTRICAL SITE PLAN AND PARTIAL SINGLE LINE DRAWING
1.0 DEMOLITION PLAN, LIGHTING AND ELECTRICAL PLAN
2.0 SPECIFICATIONS AND DETAILS

ABBREVIATIONS

A AHR Manual Air Handling Unit
AEP Automatic Electric Panel
AT Automatic Transfer Switch
C CEM Certificated Electrical Material
CSE Certified Service Entrance
D DCM Dry Contact Module
DN Door/Night Light
EC Electrical Control
F Flood Sensor
G Generator
H Hydroponics
I Inventor
J Junction Box
K Knockout
L Light Sensor
M Manual
MNS Magnetic Contact Switch
MSD Main Service Disconnect
N Non-Reversing
P Panel
PDP Panelboard
PP Pre-Phase Panel
PS Power Supply
R Relay
S Switch
T Terminal
U UPS Uninterruptible Power Source
V VFD Variable Frequency Drive
W Wireway
X X Ray
Z Zone

MEP COMPONENT ANCHORAGE NOTES

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1. All mechanical, electrical, and plumbing components shall be installed in accordance with the local building code and the applicable standards. The contractor shall be responsible for verifying the compatibility of all components and equipment with the existing systems. The contractor shall also provide a complete list of all components and equipment to the professional engineers for coordination.

2. All mechanical, electrical, and plumbing equipment shall be installed in accordance with the local building code and the applicable standards. The contractor shall be responsible for verifying the compatibility of all components and equipment with the existing systems. The contractor shall also provide a complete list of all components and equipment to the professional engineers for coordination.

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## EQUIPMENT LIST

<table>
<thead>
<tr>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>CIRCUIT NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harrington</td>
<td>HS-3400</td>
<td>Fire Alarm Central Panel</td>
<td>7160-04-7650-114</td>
</tr>
<tr>
<td>Flexitec</td>
<td>DFS-24F</td>
<td>Fire Alarm Power Supply</td>
<td>7235-00-0701-176</td>
</tr>
<tr>
<td>Harrington</td>
<td>TDG-100</td>
<td>Smoke Detector Head, Photocell, Analog</td>
<td>7223-12-0001-382</td>
</tr>
<tr>
<td>Harrington</td>
<td>U5001</td>
<td>Base, Detector, Addressable</td>
<td>7230-00-1200-118</td>
</tr>
<tr>
<td>Harrington</td>
<td>M500</td>
<td>Monitor Module</td>
<td>7230-00-1200-104</td>
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<tr>
<td>Harrington</td>
<td>U5006</td>
<td>Control Module</td>
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<tr>
<td>System Sensor</td>
<td>W302</td>
<td>Heat Detector</td>
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<tr>
<td>Medford</td>
<td>HS</td>
<td>Horn, Strobe</td>
<td>7215-0705-0604</td>
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<tr>
<td>Medford</td>
<td>ST</td>
<td>Strobe</td>
<td>7215-0705-0604</td>
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<td>Train/Train</td>
<td>8200</td>
<td>CABLE J-80, SLEW</td>
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<tr>
<td>Train/Train</td>
<td>#2220</td>
<td>CABLE J-80, SLEW</td>
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</table>

## SHEET NOTES:

1. The fire alarm system was designed for classroom moderate use at the TBGA. The fire alarm system was designed for classroom use. The fire alarm system does not require per TBGA in F-1.

2. This residential/retail alarm is designed for classrooms and moderate use. The fire alarm system does not require per TBGA in F-1.

## FA SYSTEM OPERATIONAL MATRIX

<table>
<thead>
<tr>
<th>Model</th>
<th>Current (A)</th>
<th>Alarm Current (A)</th>
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<tbody>
<tr>
<td>PFS-2400</td>
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## Auxiliary Devices

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<th>Qty</th>
<th>性能</th>
<th>Circuit Number</th>
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<tbody>
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<tr>
<td>Smoke Alarm</td>
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<td>Horn</td>
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<tr>
<td>Strobe</td>
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<tr>
<td>Elevator</td>
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</tr>
<tr>
<td>Access Control</td>
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## Notes:

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2. This residential/retail alarm is designed for classrooms and moderate use. The fire alarm system does not require per TBGA in F-1.

## FIRE ALARM WIRING LEGEND

- **SINGAL**: WIRING TYPE
- **DGD ON**: SIGNAL WIRING
- **ALARM**: FIRE ALARM WIRELESS
- **BASE**: ADDRESSABLE WIRELESS
- **DCP**: WHY WIRELESS
- **BAS**: BATTERY PRIORITY
- **FB**: FIRE ALARM
- **FT**: FIRE ALARM SYSTEM
- **NA**: WIRELESS ALARM SYSTEM