ELECTRICAL SYMBOLS

ABBREVIATIONS

GENERAL NOTES

1. READ THE SPECIFICATIONS AND COMPLY WITH ALL REQUIREMENTS. THESE GENERAL NOTES ARE TO BE CONSIDERED AS PART OF THE GENERAL SPECIFICATIONS AND SHOULD BE THE JURY OF THE WORK.

2. CONTRACTOR SHALL ENSURE ENERGY FOR ALL CONSTRUCTION MATERIALS AND LICENSED WORKERS SHALL BE IN ACCORDANCE WITH LOCAL ORDINANCE.

3. ALL ELECTRICAL WORK SHALL CONFORM TO THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE AS AMENDED AND AS AMENDED BY LOCAL ORDINANCES.

4. ANY MATERIALS AND ACCESSORIES FURNISHED BY THE CONTRACTOR SHALL BE NEW, UNOPENED AND FREE FROM DEFECTS.

5. ALL ACCOUNTS OF WORK IN PLACE SHALL BE SUBJECT TO APPROVAL BY DISTRICT ENGINEER, INSPECTION OFFICER, AND ARCHITECT/ENGINEER. INSTALLATION APPROVAL SHALL BE BASED ON APPROVED SUBMITTAL, SHOP DRAWINGS AND LOCAL INSPECTIONS.

6. ALL WORK SHOWN OR OMITTED IS TO BE CONSIDERED AS AN INSTRUCTION TO CONSTRUCT OR OMIT, AS SHOWN OR OMITTED.

7. BRANCH CIRCUIT SOFTWARE SHALL BE A MINIMUM OF 500 WATTS ELECTRICAL, 1500 WATTS, 120/240 VAC 50/60 HZ UNLESS OTHERWISE NOTED. INHABITANTS IN RATED FLOOR PLAN IN RATED SPACE SHALL BE A MINIMUM OF 3000 WATTS, 240 VAC 50/60 HZ UNLESS OTHERWISE NOTED.

8. ALL ELECTRICAL OUTLETS SHALL BE CONNECTED IN THE WALLS AND ABOVE Suspended Ceilings OR BELOW FLOORS OR CEILINGS ETC.

9. ALL CONDUCTORS SHALL BE 12 AND MAINTAIN FEET PER FOOT PER FEET COMPONENTS UNLESS OTHERWISE NOTED OTHERWISE.

10. ELECTRICAL SERVICES MOUNTED ON EXTERIOR SIDES OF THE FIRST PLUMBING, SHALL BE SEPARATED BY A VERTICAL DISTANCE OF AT LEAST 24" FRACTURE OR SMALL FLOORS OR CEILINGS WHICH ARE NOT SUSCEPTIBLE TO COMBUSTIBLE GASES OR FLICKERS. IN ADDITION, SERVICE TO MECHANICAL, PUMP ROOMS, AND OTHER Equipped WITH OVERHEAD CONVEYORS SHALL BE MADE ACCESSIBLE TO THE SERVICE MANUFACTURER. INSTALLATION INSTRUCTIONS SHALL BE MADE ACCESSIBLE TO THE INSPECTOR. THE CONTRACTOR AND MANUFACTURER TO BE MAINTAINED AT THE JOB SITE.

11. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE RAINPROOF.

12. ALL ELECTRICAL MOUNTED ELECTRICAL DEVICES AND ELECTRICAL EQUIPMENT SHALL BE SUPPORTED FROM THE STRUCTURAL MEMBER RADIALLY FROM CEILING TIES.

13. ALL CONNECTION OF ELECTRICAL DEVICES AND EQUIPMENT SHALL BE SUPPORTED WITH THE ARCHITECT PRIOR TO INSTALLATION.

14. ALL FOOTWORK PERFORMANCE AND INSTALLATION IS TO BE APPROVED BY THE INSPECTOR AND MANUFACTURER.

15. ALL ELECTRICAL CONDUIT PERFORATION THROUGH ALL MECHANICAL PLENUM WALLS, INTERIOR AND EXTERIOR.

16. ALL CUTTING, SANDING AT WALLS AND EXPOSED CONDUCTS SHALL BE FINISHED TO MATCH ADJACENT FINISHED.

DRAWING INDEX

SCHOOL EQUIPMENT ANCHORAGE NOTE

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED FOR THE BUILDING ON THE EXISTING CONSTRUCTION EQUIPMENT. WHEN EXIST IS BROKEN, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR SECURED TO MEET THE VERTICAL FORCE FROM ELECTRIC CURRENTS AND ELECTRICAL WIRING.

A. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
B. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
C. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
D. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
E. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
F. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
G. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
H. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
I. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
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M. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
N. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
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P. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
Q. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
R. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
S. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
T. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
U. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
V. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
W. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
X. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
Y. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING
Z. ELECTRICAL TAPS AND CONNECTIONS AND ELECTRICAL WIRING

1. PERMANENT ELECTRICAL COMPONENTS.

2. PORTABLE OR MOBILE ELECTRICAL EQUIPMENT ATTACHED TO A PORTABLE OR MOBILE ELECTRICAL ACCESSORIES.

3. PORTABLE OR MOBILE ELECTRICAL EQUIPMENT ATTACHED TO A PORTABLE OR MOBILE ELECTRICAL ACCESSORIES.

4. PORTABLE OR MOBILE ELECTRICAL EQUIPMENT ATTACHED TO A PORTABLE OR MOBILE ELECTRICAL ACCESSORIES.

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30. PORTABLE OR MOBILE ELECTRICAL EQUIPMENT ATTACHED TO A PORTABLE OR MOBILE ELECTRICAL ACCESSORIES.
SECTION 1  GENERAL REQUIREMENTS

A. The supervision of the general contractor, the architect and the owner shall be responsible for approving the plans and specifications. Each contractor shall be responsible for the work of his subcontractors subject to the approval of the architect. Each subcontractor shall be responsible for the work of his sub-subcontractors subject to the approval of the general contractor. This section, however, shall not apply to work involved in the erection of buildings, the installation of electrical, plumbing, or heating systems, or the construction of water engineering projects.

B. All work shall conform to the specifications and shall be done in accordance with the plans. Such work shall be done in such a manner as to be in conformity with the plans and specifications. Failure to comply with these requirements shall result in the rejection of the work and the payment of any amounts due to the contractor shall be withheld until the work is completed to the satisfaction of the architect. Each contractor shall be responsible for the work of his subcontractors subject to the approval of the architect. Each subcontractor shall be responsible for the work of his sub-subcontractors subject to the approval of the general contractor. This section, however, shall not apply to work involved in the erection of buildings, the installation of electrical, plumbing, or heating systems, or the construction of water engineering projects.

C. All work shall comply with the requirements of Title 14 and 29 Code of Federal Regulations, and shall be done in accordance with the plans and specifications. Each contractor shall be responsible for the work of his subcontractors subject to the approval of the architect. Each subcontractor shall be responsible for the work of his sub-subcontractors subject to the approval of the general contractor. This section, however, shall not apply to work involved in the erection of buildings, the installation of electrical, plumbing, or heating systems, or the construction of water engineering projects.

D. The architect or his agent shall be responsible for the work of the general contractor subject to the approval of the owner. Each subcontractor shall be responsible for the work of his sub-subcontractors subject to the approval of the general contractor. This section, however, shall not apply to work involved in the erection of buildings, the installation of electrical, plumbing, or heating systems, or the construction of water engineering projects.

E. All work shall be in conformance with the plans and specifications and shall be done in such a manner as to be in conformity with the plans and specifications. Failure to comply with these requirements shall result in the rejection of the work and the payment of any amounts due to the contractor shall be withheld until the work is completed to the satisfaction of the architect. Each contractor shall be responsible for the work of his subcontractors subject to the approval of the architect. Each subcontractor shall be responsible for the work of his sub-subcontractors subject to the approval of the general contractor. This section, however, shall not apply to work involved in the erection of buildings, the installation of electrical, plumbing, or heating systems, or the construction of water engineering projects.

F. The architect or his agent shall be responsible for the work of the general contractor subject to the approval of the owner. Each subcontractor shall be responsible for the work of his sub-subcontractors subject to the approval of the general contractor. This section, however, shall not apply to work involved in the erection of buildings, the installation of electrical, plumbing, or heating systems, or the construction of water engineering projects.

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K. All work shall be in conformance with the plans and specifications and shall be done in such a manner as to be in conformity with the plans and specifications. Failure to comply with these requirements shall result in the rejection of the work and the payment of any amounts due to the contractor shall be withheld until the work is completed to the satisfaction of the architect. Each contractor shall be responsible for the work of his subcontractors subject to the approval of the architect. Each subcontractor shall be responsible for the work of his sub-subcontractors subject to the approval of the general contractor. This section, however, shall not apply to work involved in the erection of buildings, the installation of electrical, plumbing, or heating systems, or the construction of water engineering projects.
### HARDWARE continued

1. HYDRAULIC SYSTEMS
   - STUDENT TOOLS
   - EXHAUST SYSTEMS
   - LIGHT GAUGE METAL STUDS & COLD-FORMED STEEL

2. AIR CONDITIONING
   - SYSTEMS FOR CONTINUOUS DUCTING
   - DUCT MATERIALS
   - METAL FLOOR DECK

3. ACCESSIBILITY STANDARDS
   - EXISTING CALIFORNIA BUILDING CODE CYCLE 2
   - LIGHT GAUGE METAL STUDS & COLD-FORMED STEEL
   - INTERRIOR

4. DOORS & WINDOWS
   - EGRESS DESIGN REQUIREMENTS
   - EXISTING CALIFORNIA BUILDING CODE CYCLE 2

5. FIRE EXTINGUISHERS
   - FIRE PROTECTION SYSTEMS
   - INTERRIOR

### MATERIALS AND WORKSHIPS

1. All workshops shall be equipped with an adequate number of fire extinguishers and fire blankets to cover the area of the workshop.

2. All workshops shall be equipped with an adequate number of fire extinguishers and fire blankets to cover the area of the workshop. The number of fire extinguishers and fire blankets shall be determined by the fire authority and the area of the workshop.

3. All workshops shall be equipped with an adequate number of fire extinguishers and fire blankets to cover the area of the workshop. The number of fire extinguishers and fire blankets shall be determined by the fire authority and the area of the workshop.

### GENERAL DESIGN REQUIREMENTS

1. The following requirements shall apply to all workshops:
   - Fire Extinguishers
   - Fire Blankets
   - Fire Blankets

2. The following requirements shall apply to all workshops:
   - Fire Extinguishers
   - Fire Blankets
   - Fire Blankets

3. The following requirements shall apply to all workshops:
   - Fire Extinguishers
   - Fire Blankets
   - Fire Blankets

### MARKERBOARD SPECIFICATIONS

1. Markerboards shall be distributed throughout the workshop to provide a suitable writing surface for student projects.

2. Markerboards shall be distributed throughout the workshop to provide a suitable writing surface for student projects.

3. Markerboards shall be distributed throughout the workshop to provide a suitable writing surface for student projects.

### LIGHT GAUGE METAL STUDS & COLD-FORMED STEEL

1. All workshops shall be equipped with an adequate number of fire extinguishers and fire blankets to cover the area of the workshop. The number of fire extinguishers and fire blankets shall be determined by the fire authority and the area of the workshop.

2. All workshops shall be equipped with an adequate number of fire extinguishers and fire blankets to cover the area of the workshop. The number of fire extinguishers and fire blankets shall be determined by the fire authority and the area of the workshop.

3. All workshops shall be equipped with an adequate number of fire extinguishers and fire blankets to cover the area of the workshop. The number of fire extinguishers and fire blankets shall be determined by the fire authority and the area of the workshop.

### METAL FLOOR DECK

1. All workshops shall be equipped with an adequate number of fire extinguishers and fire blankets to cover the area of the workshop. The number of fire extinguishers and fire blankets shall be determined by the fire authority and the area of the workshop.

2. All workshops shall be equipped with an adequate number of fire extinguishers and fire blankets to cover the area of the workshop. The number of fire extinguishers and fire blankets shall be determined by the fire authority and the area of the workshop.

3. All workshops shall be equipped with an adequate number of fire extinguishers and fire blankets to cover the area of the workshop. The number of fire extinguishers and fire blankets shall be determined by the fire authority and the area of the workshop.

### TECHNICAL WRITING

1. Technical writing shall be distributed throughout the workshop to provide a suitable writing surface for student projects.

2. Technical writing shall be distributed throughout the workshop to provide a suitable writing surface for student projects.

3. Technical writing shall be distributed throughout the workshop to provide a suitable writing surface for student projects.
24' x 40' BUILDING

SANTA CLARA COUNTY OF EDUCATION
SANTA TERESA ELEMENTARY

TYPICAL FLOOR PLAN

ENERGY NOTES

ACOUSTIC NOTES
TYPICAL ELECTRICAL PLAN

NOTES:
A. THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL ELECTRICAL SYSTEMS AND EQUIPMENT AND THE COMPLIANCE WITH LOCAL MUNICIPAL REGULATIONS AND CODES.
B. IN ALL CASES, THE CONTRACTOR SHALL BE RESPONBLE FOR THE INSTALLATION OF ALL ELECTRICAL SYSTEMS AND EQUIPMENT AND THE COMPLIANCE WITH LOCAL MUNICIPAL REGULATIONS AND CODES.
C. ANY MOUNTING EQUIPMENT OR ACCESSORIES SPECIFIED ARE LIFE SUPPRESSED AND NOT TO BE INSTALLED BY THE RIDGE TECH.
D. LIMITING FURNITURE SHALL NOT BE INSTALLED WITHOUT FIRST SHOWN TO THE OWNER'S REPRESENTATIVE.

1. ALL SECURITY ALARMS SHALL BE RESTRICTED TO ACCESSIBLE AREAS ONLY. THE INSTALLATION OF SECURITY ALARMS IN ANY LOCATION WHERE THE ALARMS COULD BE ACCIDENTALLY ACTIVATED REQUIRED TO BE NOTIFIED TO THE OWNER IN WRITING.
2. ALL SECURITY ALARMS SHALL BE RESTRICTED TO ACCESSIBLE AREAS ONLY. THE INSTALLATION OF SECURITY ALARMS IN ANY LOCATION WHERE THE ALARMS COULD BE ACCIDENTALLY ACTIVATED REQUIRED TO BE NOTIFIED TO THE OWNER IN WRITING.
3. NO SECURITY ALARMS SHALL BE RESTRICTED TO ACCESSIBLE AREAS ONLY. THE INSTALLATION OF SECURITY ALARMS IN ANY LOCATION WHERE THE ALARMS COULD BE ACCIDENTALLY ACTIVATED REQUIRED TO BE NOTIFIED TO THE OWNER IN WRITING.
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E1.0
### WASTE ISOMETRIC

**Single Toilet Option**

- **Scale:** 1/8

---

### WATER SUPPLY ISOMETRIC

**Single Toilet Option**

- **Scale:** 1/8

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### Table: Plumbing Isometric Drawings

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<th>Type at Elementary</th>
<th>Type at Adult</th>
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<td>Sink</td>
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<td>Toilet</td>
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*All water fixtures must meet requirements of CAL-OHZE.*

**Note:** Check 11. Section 11.1.8 "Water Conservation: Plumbing Fixtures & Fittings."

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### Key Notes

- **4" Clean Out**
- **1/2" Dwv**
- **1/4" Quarter Bend**
- **Strainer Drain**
- **2" Standard Tap Tee**
- **3/4" Standard Tap Tee**
- **1" Standard Tap Tee**
- **2" Double Combination**
- **3/4" Long Cu Air Charge**
- **1/2" on Drain of Water Closets**
- **1/2" on Drain of Atriums**

---

### Project Details

- **Project Name:** Santa Clara County of Education Santa Teresa Elementary
- **Sheet Title:** Plumbing Isometric Drawings
- **Scale:** 1/8
- **Dwv:** 4" Clean Out
- **Fitting:** 1/2" Dwv
- **Material:** Galvanized Steel
- **Model:** 5D-600
- **Dwv:** 1/4" Quarter Bend
- **Strainer Drain:** 1 1/2" Standard Tap Tee
- **1" Standard Tap Tee:** 2" Double Combination
- **3/4" Long Cu Air Charge**
- **1/2" on Drain of Water Closets**
- **1/2" on Drain of Atriums**

---

### Sheet Number

- **P3.0**
TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
(951) 213-3900
FAX (951) 213-3997

PC 04-113584
ACCESSIBLE RAMPS/LANDINGS/STAIRS

STATE OF CALIFORNIA – 2012 IBC/2013 CBC

NOTES:

LOADS:
1. RAMP LIVE LOAD = 100 PST
2. NO SNOW LOADING
3. NO FLOOD LOADING
4. WIND
   WIND SPEED = 130 MPH
   WIND EXPOSURE = C

CODES: (TITLE 24 CODES)

2013 CALIFORNIA ADMINISTRATIVE CODE (CAG), (PART 1, TITLE 24, CCR)
2013 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR) (2012 EDITION INTERNATIONAL BUILDING CODE WITH 2013 AMENDMENTS)
2013 CALIFORNIA FIRE CODE (CFC), (PART 6, TITLE 24, CCR) (2013 EDITION INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA GREEN CODE (CFC), (PART 9, TITLE 24, CCR)
2013 CALIFORNIA REFERENCE CODE, (PART 12, TITLE 24, CCR)
NFPA 10 2013
NFPA 72 2013

2013 CODE SECTIONS FOR APPLICABLE STANDARDS
2013 CBC, CHAPTER 35
2013 CFC, CHAPTER 45

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TYPICAL PLAN VIEW OF ACCESSIBLE RAMP WITH SWITCH-BACK & PLATFORMS

TYPICAL ELEVATION OF ACCESSIBLE RAMP W/SWITCH-BACK RAMP W/ 5'-0" WIDE RAMPS

TYPICAL PLAN VIEW OF ACCESSIBLE RAMP & DECKING

TYPICAL ELEVATION OF ACCESSIBLE RAMP & DECKING 30" OR LESS DESIGN

TYPICAL PLAN VIEW OF ACCESSIBLE RAMP & DECKING OVER 30" DESIGN

TYPICAL ELEVATION OF ACCESSIBLE RAMP & DECKING