GENERAL SEISMIC BRACING

A. ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND PRIOR TO FABRICATION OF WORK.

SEC. 1616A.1.23 THROUGH 1616A.1.26 AND ASCE 7-07 CHAPTER 13 AND 29.

SUPPLY AIR SA
A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS DISTRIBUTION SYSTEM.

B. COMPONENTS WILL DIRECTLY SUPPORT THE COMPONENT.

C. ANY NEW OR EXISTING DUCT OR PIPING OFFSETS REQUIRED AS RESULT OF JOB CONDITIONS OR LACK OF COORDINATION WITH OTHER TRADES SHALL BE PROVIDED TEE DOWN ON PIPE, TEE UP ON PIPE, TEMPERATURE SENSOR, TEST PORT, THERMOMETER, VENT TO ATMOSPHERE.

D. DUCT SYSTEMS SHALL BE BALANCED TO CFM ON DRAWINGS. FANS SHALL BE FIELD STATIC PRESSURE

E. COORDINATE WITH OTHER TRADES TO RESOLVE DUCTWORK CONFLICTS.

F. PROVIDE OFFSETS, ELBOWS AND TRANSITIONS IN DUCTWORK AND PIPING AS SHOWN.

G. PROVIDE SEISMIC ANCHORAGE AND BRACING FOR MECHANICAL EQUIPMENT, PIPING AND DUCTWORK. SEE "GENERAL SEISMIC NOTES" FOR DETAIL REQUIREMENTS.

H. CONTRACTOR TO SUBMIT WRITTEN CERTIFICATION, BY A STRUCTURAL OR CIVIL ENGINEER OF RECORD, THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE SPECIFICATIONS.

I. VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE STRUCTURAL ENGINEER OF RECORD.

J. DUCTS STORED ON THE CONSTRUCTION SITE SHALL BE PROTECTED AND ISOLATED IN THE EVENT OF A CONFLICT BETWEEN THE CONTRACT DRAWINGS AND THE CONTRACTOR.

K. PROVIDE SEISMIC ANCHORAGE AND BRACING FOR MECHANICAL EQUIPMENT, PIPING AND DUCTWORK.

L. PROVIDE OFFSETS, ELBOWS AND TRANSITIONS IN DUCTWORK AND PIPING AS SHOWN.

M. PROVIDE ELECTRICAL BRACING IF REQUIRED TO SUPPORT AND BRACED WITH ONE OF THE FOLLOWING SYSTEMS:

1. MATERIALS TO MEET THE REQUIREMENTS FOR SEISMIC ANCHORAGE.

2. METAL ANCHORS AND HANGERS.

3. CONCRETE ANCHORS.

4. COMBINATION OF MATERIALS.

5. DUCT SUPPORT SYSTEMS.

6. OTHER MASONRY MATERIALS.

N. PROVIDE OFFSETS, ELBOWS AND TRANSITIONS IN DUCTWORK AND PIPING AS SHOWN.

O. PROVIDE FIRE PROTECTION AND AIR LEAKAGE SEALS.

P. PROVIDE ADEQUATEスペース FOR FIRE PROTECTION AND AIR LEAKAGE SEALS.

Q. PROVIDE FIRE PROTECTION AND AIR LEAKAGE SEALS.

R. PROVIDE FIRE PROTECTION AND AIR LEAKAGE SEALS.

S. PROVIDE OFFSETS, ELBOWS AND TRANSITIONS IN DUCTWORK AND PIPING AS SHOWN.

T. PROVIDE FIRE PROTECTION AND AIR LEAKAGE SEALS.

U. PROVIDE FIRE PROTECTION AND AIR LEAKAGE SEALS.

V. PROVIDE FIRE PROTECTION AND AIR LEAKAGE SEALS.

W. PROVIDE FIRE PROTECTION AND AIR LEAKAGE SEALS.

X. PROVIDE FIRE PROTECTION AND AIR LEAKAGE SEALS.

GENERAL MECHANICAL NOTES

A. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

B. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

C. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

D. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

E. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

F. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

G. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

H. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

I. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

J. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

K. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

L. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

M. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

N. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

O. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

P. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

Q. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

R. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

S. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

T. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

U. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

V. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

W. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

X. INSTALLATION AND TESTING OF ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT.

SCHOOL EQUIPMENT ANCHORAGE NOTES

A. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

B. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

C. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

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E. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

F. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

G. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

H. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

I. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

J. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

K. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

L. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

M. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

N. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

O. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

P. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

Q. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

R. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

S. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

T. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

U. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

V. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

W. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.

X. ALL MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO THE STRUCTURAL SYSTEM IN ACCORDANCE WITH THE APPLICATIONS.
### AHU-1 LOCKERS ENERGY LABS C-058-066-FCHI-L

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>FC-1 NORTH</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

#### 1) PROVIDE WITH GOBI CONDENSATE PUMP.

#### 2) UNIT POWERED BY CU-1 ON ROOF.

### AHU-3 FITNESS CENTER ENERGY LABS C-084-080-FCHI-L

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>FC-3 SOUTH</th>
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#### 3) CONSTUCTION - CASING: 22GA. GALV., PERF: 22GA. GALV., MEDIA: FIBERGLASS.

### VAV-2 TELECOM TITUS DESV

#### 12" 800 800 1.00 0.25 0.01 0 0 0 0 0 0 0 0 0 0" 24 19 24 1 3/M6.01 2 1-11

### VAV-7 MULTIPURPOSE CLASSROOM TITUS DESV

#### 12" 900 365 1.00 0.25 0.17 365 13.9 1.4 55 90 180 160 1 10 0.21 3/4" 23 19 24 1 3/M6.01 2 1-11

### VAV-10 WOMENS TEAM SHOWER/TEAN DRESSSING ROOM

#### 12" 1295 1295 1.00 0.25 0.37 1295 49.2 2.5 55 90 180 1 39 2 10 0.84 3/4" 20 20 24 1 3/M6.01 2 1-11

### VAV-12 FITNESS CENTER TITUS DESV

#### 12" 1400 355 1.00 0.25 0.12 700 26.6 2.1 55 90 180 155 1 10 0.50 3/4" 20 15 24 1 3/M6.01 2 1-11

### SHOWER/TEAN DRESSSING ROOM

#### 12" 1400 355 1.00 0.25 0.12 700 26.6 2.1 55 90 180 155 1 10 0.50 3/4" 20 15 24 1 3/M6.01 2 1-11

### TERMINAL UNIT SCHEDULE

#### SYMBOL: AREA SERVED | BASE OF DESIGN | COOLING | HP | ELECTRICAL | CONTROLS | MAX WT (LBS) | COMMENTS
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### SCHEDULES - MECHANICAL

- **Architect:** LPAS
- **Date:** 11/2, 2015
- **San Jose City College:** Physical Education Building and Renovated Lab Building
- **Department:** Engineering
- **Suite 500 San Francisco, CA 94103**
- **DSA Submittal**
<table>
<thead>
<tr>
<th>Name Room Name</th>
<th>Room Type</th>
<th>Room #</th>
<th>Space Type</th>
<th>Area (Az)</th>
<th>Max Occupant Load</th>
<th>Per Person</th>
<th>Required Outside Air (Ra): PER PERSON</th>
<th>PER AREA</th>
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<td>Main Entry Lobbies</td>
<td>249 SF</td>
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<td>AC-1 EXERCISE LAB 11</td>
<td>Health Club/Aerobics Room</td>
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<td>AHU-1 SOUTH CORRIDOR 15</td>
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<td>AHU-3 TICKETS/CONCESSIONS 124</td>
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<td>119 SF</td>
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<td>FC-4 OFFICE 112</td>
<td>Office Spaces</td>
<td>102 SF</td>
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<td>ROOM NAME</td>
<td>ROOM NUMBER</td>
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<td>AREA</td>
<td>NUMBER OF FIXTURES</td>
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<tr>
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<td>MENS</td>
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<td>122</td>
<td>Toilets-public</td>
<td>415</td>
<td>9</td>
<td>70</td>
<td>6.40</td>
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<td>126</td>
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<td>400</td>
<td>9</td>
<td>70</td>
<td>6.40</td>
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<tr>
<td>EF-3</td>
<td>WOMEN'S STUDENT LOCKERS</td>
<td>129</td>
<td>Locker Room</td>
<td>316</td>
<td>0.50 CFM/SF</td>
<td>158</td>
<td>0.50</td>
<td>310</td>
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<tr>
<td>EF-3</td>
<td>MEN'S STUDENT LOCKERS</td>
<td>132</td>
<td>Locker Room</td>
<td>316</td>
<td>0.50 CFM/SF</td>
<td>158</td>
<td>0.50</td>
<td>310</td>
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<tr>
<td>EF-3</td>
<td>TRAINING ROOM</td>
<td>138</td>
<td>Locker Room</td>
<td>1132</td>
<td>0.50 CFM/SF</td>
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<td>860</td>
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<td>Toilets-public</td>
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<td>8</td>
<td>70</td>
<td>5.60</td>
<td>560</td>
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<td>EF-3</td>
<td>MEN'S STUDENT RESTROOM</td>
<td>131</td>
<td>Toilets-public</td>
<td>292</td>
<td>8</td>
<td>70</td>
<td>5.60</td>
<td>560</td>
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<tr>
<td>EF-3</td>
<td>JANITOR</td>
<td>140</td>
<td>Janitor Closets, Trash Rooms</td>
<td>1 08</td>
<td>1.00 CFM/SF</td>
<td>108</td>
<td>1.00</td>
<td>108</td>
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<tr>
<td>EF-3</td>
<td>JANITOR</td>
<td>203</td>
<td>Janitor Closets, Trash Rooms</td>
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<td>EF-4</td>
<td>TOILET</td>
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<td>74</td>
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</tbody>
</table>
**Performance Certificate of Compliance**

<table>
<thead>
<tr>
<th>Group Component</th>
<th>Standard</th>
<th>Design Value</th>
<th>Achieved Value</th>
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<tbody>
<tr>
<td>Space Coiling</td>
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<tr>
<td>Indoor Air</td>
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<td></td>
</tr>
<tr>
<td>Pressure Drop</td>
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<tr>
<td>Relative Humidity</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Building Complies**

- Heating: Condenser Floor Area: 1,200 sq ft
- Number of Stages: 1
- Number of Zones: 1
- Total Site Available: 10,000 sq ft

- FD: 12,000 cfm
- HE: 12,000 cfm
- PD: 12,000 cfm
- ID: 12,000 cfm

<table>
<thead>
<tr>
<th>Prescribed Lighting Power Density</th>
<th>Value</th>
<th>Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site IRR</td>
<td>120 W/sq m</td>
<td>120 W/sq m</td>
</tr>
</tbody>
</table>

**Mechanical Systems**

- Heating, ventilation, and air conditioning (HVAC) systems are designed to meet the requirements of Title 24 - Mechanical.
- DSA Submittal

**Title 24 - Mechanical**

- Compliance with Title 24 requirements is verified through detailed calculations and drawings.
- The project has been designed to achieve energy efficiency and meet the sustainability goals set forth by Title 24.

**Architect's Stamp Approval:**

- San Jose City College
- Physical Education Building and Renovated Lab Building
- San Jose, California
- Title 24 - Mechanical
- M0.05

**Sheet No:** M0.05

**Date:** 1/12/2016

**Architect:** Jesse Agosta

**Project Contact:**

- www.interfaceengineering.com
- 717 Market Street, Suite 500, San Francisco, CA 94103
- 415.489.7240
- 415.489.7289

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PRESSURE SENSOR, SEE CONTROL DIAGRAMS. (EF-5) 12x12 UP TO GRAVITY INTAKE ON ROOF. PROVIDE BACK TO THE LAST DIFFUSER. MOTORIZED DAMPER ON VERTICAL PORTION OF DUCT.

SUPPLY DIFFUSER

NOTE:
1. SEE DIFFUSER, REGISTER AND GRILLE SCHEDULE NOTED OTHERWISE.
THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.
1. ENLARGED VIEW - MECHANICAL

2. SECTION VIEW - GYM DUCT - MECHANICAL
HIGH ZONE CARBON DIOXIDE CONCENTRATION: IF THE ZONE CO2 WHEN ZONE TEMPERATURE IS LESS THAN ITS HEATING SETPOINT, THE RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON. IF THE VFD'S SPEEDS DROPS BACK TO 40% (ADJ.) BELOW SETPOINT, THE LAG VFD SHALL HOT WATER PUMP 2 IF PUMP RUNTIME (OPERATOR DEFINABLE) IS EXCEEDED RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON. LOW DISCHARGE AIR TEMP: IF THE DISCHARGE AIR TEMPERATURE IS LESS AND CAMPUS CENTRAL HEATING PLANT IS ENABLED. RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.

1. HEATING WATER PUMP CONTROL

2. CHILLED WATER PUMP CONTROL

3. VAV BOX CONTROL

1. HEATING WATER PUMP CONTROL

REQUIREMENT OF OPERATION
- The discharge water temperature shall be controlled to maintain the following:
- The discharge water temperature shall be maintained at 125°F (adj.)
- The discharge water temperature shall be maintained at 120°F (adj.)

2. CHILLED WATER PUMP CONTROL

REQUIREMENT OF OPERATION
- The chilled water temperature shall be controlled to maintain the following:
- The chilled water temperature shall be maintained at 50°F (adj.)
- The chilled water temperature shall be maintained at 60°F (adj.)

3. VAV BOX CONTROL

REQUIREMENT OF OPERATION
- The VAV box shall operate to maintain the following:
- The VAV box shall maintain the space temperature at 72°F (adj.)
- The VAV box shall maintain the space temperature at 70°F (adj.)
MOUNTING BRACKET PROVIDED BY UNIT MANUFACTURER

UNIT OUTLINE

FAN COIL UNIT

COORDINATE SIZE AND LOCATION OF ROOF PENETRATION AND CURB INSTALLATION WITH GENERAL CONTRACTOR.

WOOD SLEEPER

SECURE MOUNTING BRACKET TO FRAMING OR BACK BOARD

BIRD SCREEN

6x6MM (1/4"x1/4")

SEE ROOF PLAN FOR LOCATION

COUNTER-SINK

1/4" DIA LAG SCREW

6X8 PRESS. TREATED

X 2 PER SIDE (TYPICAL)

MIN. 6'-0" LONG

REAR VIEW

KNOCKOUT FOR LEFT SIDE REFRIGERANT, DRAIN, POWER

@ 8" X 4 PER SIDE

8" MIN. (TYPICAL)

1/2" THRU BOLTS AT EACH END COUNTERSINK HEADS

8" HEIGHT CURB

SAN JOSE CITY COLLEGE

PHYSICAL EDUCATION BUILDING AND RENOVATED LAB BUILDING

SAN JOSE, CALIFORNIA

1/2" LAG SCREW W/ SIDE VIEW

NOTE:

1. FOR DRAIN CONNECTION, REFER TO PLUMBING DRAWINGS.

NOTE: PROVIDE CRICKET ON UP SLOPE SIDE WHEN SLEEPERS NECESSARY FOR LEVEL

INTAKE AND RELIEF VENT DETAIL

NO SCALE

DUCT SIZE AS 6"x 6"x 16 GA. PLATE

SEE ARCHITECTURAL NOTE: PROVIDE CHANNELS.

NO SCALE

60" MAX 1/4 (TYP) 1/4 (TYP) 1/4

ATTACH DUCT TO ANGLE WITH (6) #10 GALVANIZED S.M. SCREWS

S.A.D FOR LWC FILL REQUIREMENTS 1/4 (TYP) (TYP) 1/4

LEVELING GROUT

EXPANSION ANCHORS X 4" EMBED.

CONCRETE CURB, SEE

E P

SEE STRUCTURAL DRAWINGS FOR S. A. D FOR LWC FILL REQUIREMENTS

SEISMIC LEASH

PACK BOX WITH CAULK AND SEAL SPACE AROUND PIPE

SEALANT

18" MIN.(TYP)

CUT HOLE THRU ROOF

INTERFACE

22 GAUGE TOP COVER

5/8" DIAMETER SS-304 KBTZ

EXPANSION ANCHORS X 4" EMBED.

ONSEMATIC SCREWS 2" DEEP CLIP SEAL WITH MASTIC

SEALANT

1/4 (TYP) (TYP) 1/4

LEVEL FIRE THREADED ROD

STEEL TEE 1-1/4"(TYP)

HOLE & AT PENETRATION.

LEVEL FIRE THREADED ROD

STEEL TEE 1-1/4"(TYP)

HOLE & AT PENETRATION.

LOCKING NUTS, WASHERS, OR BEAM CLAMP

FOR ATTACHMENT TO ROOF, SEE DETAIL

SWIVEL AIR PEAR THERMAL EQUALIZER

1/2"Ø MACHINE BOLT

ATTACH DUCT TO ANGLE WITH (6) #10 GALVANIZED S.M. SCREWS

LOCKING NUTS, WASHERS, OR BEAM CLAMP

FOR ATTACHMENT TO ROOF, SEE DETAIL

LEVELING GROUT

EXPANSION ANCHORS X 4" EMBED.

CONCRETE CURB, SEE

E P

SEE STRUCTURAL DRAWINGS FOR S. A. D FOR LWC FILL REQUIREMENTS

SEISMIC LEASH

PACK BOX WITH CAULK AND SEAL SPACE AROUND PIPE

SEALANT

1/4 (TYP) (TYP) 1/4

LEVEL FIRE THREADED ROD

STEEL TEE 1-1/4"(TYP)

HOLE & AT PENETRATION.

LOCKING NUTS, WASHERS, OR BEAM CLAMP

FOR ATTACHMENT TO ROOF, SEE DETAIL

LEVELING GROUT

EXPANSION ANCHORS X 4" EMBED.

CONCRETE CURB, SEE
1 STRAP HANGER DETAIL

2 ROD HANGER DETAIL

3 CHWP-1,2 ANCHORAGE DETAIL

4 HWP-1,2 ANCHORAGE DETAIL