4. PATIO TABLES

5. RECREATION SEATWALL W/WOOD BENCH

6. GREENSCREEN GUARDRAIL

1. FITNESS EQUIPMENT

2. FOREST BENCH

3. PLANTER POTS
<table>
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<tr>
<th>CITY</th>
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<td>27</td>
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<td>PLATANUS RAGABERTS</td>
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<td>75</td>
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**ENTRY**

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<th>SPREAD</th>
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<td>SAWYER BLACK WILLOW</td>
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<td>WINTER MOUNTAIN</td>
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<td>BURGESS BURGDEL</td>
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<tr>
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<td></td>
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<td>30&quot;</td>
<td>LOW</td>
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<tr>
<td>19.167 SF</td>
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<td>NORTHERN PINE</td>
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**LANDSCAPE ARCHITECT**

Cordilleras Redwood City, CA

**PLANTING SCHEDULE**

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<tr>
<th>CITY</th>
<th>SYMBOL</th>
<th>SCIENTIFIC NAME</th>
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**NOT FOR CONSTRUCTION**

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**TOTAL 1,688 SF**

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**TOTAL 1,688 SF**
A.R.F.
TYPICAL ROOF FRAMING PLAN
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LIFE SAFETY PLAN SYMBOL DESIGNATIONS
(SYMBOLS ONLY - SEE LIFE SAFETY PLAN FOR ACTUAL INFORMATION)

<table>
<thead>
<tr>
<th>BUILDING CODE OCCUPANCY TYPE</th>
<th>LIFE SAFETY CODE OCCUPANCY TYPE</th>
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<tbody>
<tr>
<td>FUNCTION OF SPACE, TOTAL SQUARE FEET, OCCUPANT LOAD FACTOR, OCCUPANT LOAD</td>
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<td>EXIT ACCESS COMPONENT: EXIT STAIR DOOR, NUMBER OF OCCUPANTS USING EXIT ACCESS COMPONENT, MINIMUM REQUIRED CLEAR WIDTH (INCHES)</td>
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<tr>
<td>EXIT ACCESS TRAVEL DISTANCE (E.G., STAIR, DOOR), NUMBER OF OCCUPANTS USING EXIT/EXIT-ACCESS COMPONENT</td>
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</tr>
<tr>
<td>HANDHELD FIRE HOSE, FIRE BARRIER EXISTING AND RATED</td>
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<td>FIRES, CONSTRUCTION (5'-9 1/4&quot;)</td>
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<tr>
<td>COMMON PATH OF TRAVEL OR EXIT ACCESS TRAVEL DISTANCE (FT.)</td>
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<tr>
<td>TRAVEL DISTANCE TO NEAREST EXIT (FEET), NUMBER OF OCCUPANTS USING EXIT/EXIT-ACCESS COMPONENT</td>
<td></td>
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</table>

TYPE OF ASSEMBLY

- FIRE BARRIER
- SMOKES BARRIER/COMPARTMENT
- FIRE WALL
- SMOKES PARTITIONS
- FIRE PARTITIONS
- HORIZONTAL EXIT

REQUIRED ASSEMBLY RATING

TYPE 1

- FIRE BARRIER
- SMOKES BARRIER/COMPARTMENT
- FIRE WALL

TYPE 2

- FIRE BARRIER
- SMOKES BARRIER/COMPARTMENT
- FIRE WALL

TYPE 3

- FIRE BARRIER
- SMOKES BARRIER/COMPARTMENT
- FIRE WALL

TYPE 4

- FIRE BARRIER
- SMOKES BARRIER/COMPARTMENT
- FIRE WALL

TYPE 5

- FIRE BARRIER
- SMOKES BARRIER/COMPARTMENT
- FIRE WALL

TYPE 6

- FIRE BARRIER
- SMOKES BARRIER/COMPARTMENT
- FIRE WALL

TYPE 7

- FIRE BARRIER
- SMOKES BARRIER/COMPARTMENT
- FIRE WALL

TYPE 8

- FIRE BARRIER
- SMOKES BARRIER/COMPARTMENT
- FIRE WALL
LEVEL 01
PV PANELS AND AESS SUPPORT STRUCTURE. SEE ROOF PLAN FOR LAYOUT.
10'-0"
7'-2"
7'-2"
12'-5 1/8"
10'-5"
12'-5 1/4"

LIVING ROOM HALLWAY TEAMING AREA HALLWAY LIVING ROOM
3'-10"
7'-2"
9'-0"

LEVEL 02
PV PANELS AND AESS SUPPORT STRUCTURE. SEE ROOF PLAN FOR LAYOUT.
9'-0"
10'-0"
9'-0"
10'-0"
10'-5" 5'-0"
3'-10"
3'-2"
7'-6"
7'-2"

DINING ROOM KITCHEN LOBBY

LEVEL 03
BEDROOM LIVING ROOM BEDROOM
8'-0"
10°
10°

LEVEL 04
8'-0"
11'-11 7/8"
7'-6"

BEDROOM LIVING ROOM BEDROOM
8'-0"
10°
10°

LEVEL 05

1/8" = 1'-0"
1 7 0  M a i d e n  L a n e , 5 t h  F l o o r
S a n  F r a n c i s c o ,  C a l i f o r n i a   9 4 1 0 8
T e l e p h o n e   4 1 5 . 8 1 4 . 6 9 1 0

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STRUCTURAL ENGINEER
HGA
1410 ROCKY RIDGE DRIVE
SUITE 250
ROSEVILLE CA  95661
916.787.5102

LANDSCAPE ARCHITECT
RHAA
225 MILLER AVENUE
MILL VALLEY CA  94941
415.383.7900

CORDILLERAS
MENTAL HEALTH CENTER
REPLACEMENT PROJECT
SAN MATTO COUNTY
DEPARTMENT OF PUBLIC
WORKS AND HEALTH
SERVICES
BEHAVIORAL HEALTH AND
RECOVERY SERVICES

NOT FOR
CONSTRUCTION

FURNITURE &
EQUIPMENT
PLAN - MHRC

NOTE: SEE FF+E LIST FOR FURNITURE AND EQUIPMENT LIST

SCHÉMATIQUE DESIGN
100% SCHEMATIC DESIGN - NOT FOR CONSTRUCTION

DATE: September 30, 2015

CORDILLERAS
MENTAL HEALTH CENTER
REPLACEMENT PROJECT
SAN MATTO COUNTY
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SAN MATEO COUNTY DEPARTMENT OF PUBLIC WORKS AND HEALTH SERVICES
BEHAVIORAL HEALTH AND RECOVERY SERVICES

FURNITURE & EQUIPMENT PLAN - CAMPUS CENTER LEVEL

NOTE: SEE FF+E LIST FOR FURNITURE AND EQUIPMENT LIST

100% SCHEMATIC DESIGN - NOT FOR CONSTRUCTION

FURNITURE PLAN - LEVEL 01
### MECHANICAL SYMBOL LIST

**NOTE:** This is a standard symbol list and not all items listed may be used.

#### Abbreviations
- A/C: Air Conditioned
- A/C: Air Conditioned
- WFT: Return Air
- RWP: Return Pump
- DSC: Return Pump
- SF: Square Foot
- RH: Relative Humidity
- VAV: Variable Air Volume
- VAV: Variable Air Volume
- EHR: Return Pump
- MIV: Relative Humidity
- PM: Pressure Switch
- PB: Pressure Break
- VS: Variable Speed
- SVM: Variable Speed
- SFM: Supper Flow
- RMP: Return Pump
- ESR: Return Pump
- RSP: Return Pump
- DSR: Return Pump
- FSP: Return Pump
- TSP: Return Pump
- QTY: Quantity

#### Symbols
- **Fire Damper**
- **Expansion Loop**
- **Test Point**
- **Temperature Sensor**
- **Expansion Loop**
- **Test Point**
- **Temperature Sensor**

#### Diffusers and Grilles
- **Supply Air**
- **Return Air**
- **Supp Air**
- **Supp Air**
- **Supp Air**
- **Supp Air**
- **Supp Air**
- **Supp Air**

#### Ductwork Fittings
- **Expansion Loop**
- **Test Point**
- **Temperature Sensor**

#### Piping Fittings, Appointments and Equipment
- **CAP**
- **CONT**
- **CON**
- **REV**
- **REG**
- **SYMB**

#### Piping Systems
- **Heating Water Supply and Return**

#### Piping Valves
- **Value General**

### GENERAL MECHANICAL NOTES

A. All mechanical systems, including HVAC, plumbing, and medical gases, shall be designed and installed in accordance with the latest edition of the International Mechanical Code.

B. The mechanical systems shall be designed and installed in accordance with the latest edition of the International Plumbing Code.

C. All mechanical systems shall be designed and installed in accordance with the latest edition of the International Fuel Gas Code.

D. All mechanical systems shall be designed and installed in accordance with the latest edition of the International Electrical Code.

E. All mechanical systems shall be designed and installed in accordance with the latest edition of the International Fire Code.

F. All mechanical systems shall be designed and installed in accordance with the latest edition of the International Building Code.

G. All mechanical systems shall be designed and installed in accordance with the latest edition of the International Structural Code.

H. All mechanical systems shall be designed and installed in accordance with the latest edition of the International Sanitary Code.

I. All mechanical systems shall be designed and installed in accordance with the latest edition of the International Energy Code.

J. All mechanical systems shall be designed and installed in accordance with the latest edition of the International Commissioning Code.

K. All mechanical systems shall be designed and installed in accordance with the latest edition of the International Commissioning Code.

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### SHEET INDEX


### SYMBOLS LIST AND GENERAL NOTES - MECHANICAL

**NOTE:** September 30, 2015

**SHEET**
- M0.1: SYMBOLS LIST AND GENERAL NOTES - MECHANICAL

**PAGE:**
- M0.1: SYMBOLS LIST AND GENERAL NOTES - MECHANICAL

**PHOTO:**
- M0.1: SYMBOLS LIST AND GENERAL NOTES - MECHANICAL

**DIAGRAM:**
- M0.1: SYMBOLS LIST AND GENERAL NOTES - MECHANICAL

**TEXT:**
- M0.1: SYMBOLS LIST AND GENERAL NOTES - MECHANICAL

**FILE:**
- M0.1: SYMBOLS LIST AND GENERAL NOTES - MECHANICAL

**DATE:**
- M0.1: SYMBOLS LIST AND GENERAL NOTES - MECHANICAL

**NOT FOR CONSTRUCTION**

**SYMBOLS LIST AND GENERAL NOTES - MECHANICAL**
1. Outside air intake lover ducted to fan coil.
2. Above ceiling fan coil unit with ducted air distribution system.
3. Kitchen make-up and exhaust air up to roof.
4. Supply & return air from multi-purpose room up to AC unit on roof.
1. Condensing units with energy recovery located on roof, estimate 75 tons.
2. Air handling unit with ducted air distribution system to multi-purpose room on first floor.
3. Roof mounted kitchen 100% outside air heat pump unit.
4. Grease exhaust fan and duct in furred shaft to first floor kitchen.
1. Condensing units with energy recovery located on roof.
2. Roof mounted kitchen 100% outside air heat pump unit and exhaust hood fan.
3. Exhaust fan for fume hood and ventilation system.

**Sheet Keynotes**

**1.** Condensing units with energy recovery located on roof.

**2.** Roof mounted kitchen 100% outside air heat pump unit and exhaust hood fan.

**3.** Exhaust fan for fume hood and ventilation system.

**1 ROOF PLAN - MECHANICAL**

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

**DATE:** September 30, 2015

**CONTACT:**

**PROJECT:** 717 Market Street, Suite 500, San Francisco, CA 94103

**TEL:** 415.489.7240

**FAX:** 415.489.7289

**website:** www.interfaceengineering.com
**PLUMBING SYMBOL LIST**

**PLUMBING SYMBOL LIST**

**NOTE:** This is a standard symbol list and not all items listed may be used.

### Abbreviations

- T: TANK
- L: LAVATORY
- W: WASHROOM
- M: MOP SINK
- N: NORTH
- S: SOUTH
- E: EAST
- W: WEST
- P: PLUMBING
- C: CONSTRUCTION
- T: TEL
- F: FAX
- P0.1: PLUMBING
- P1.1: PLUMBING
- P2.1: PLUMBING
- P3.1: PLUMBING

### General

- P0: GENERAL PLUMBING NOTES
- P1: ABOVE CEILING SHALL BE WITHIN 18" OF CEILING.
- P2: PERFORMANCE ARE BASED ON THE BEST INFORMATION AVAILABLE AND
- P3: UTILITIES TO BE CROSSED OR CONNECTED. CORRECT DEFICIENCIES
- P4: EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT AND ENGINEER
- P5: LOCATIONS AND DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- P6: PRIMERS.

### A. Conditions shown on the plans relative to the work to be performed show:

- a. FLUSH VALVES
- b. SENSOR FAUCETS
- c. SOLENOID VALVES TO ICE MAKERS AND CLOTHES WASHERS
- d. SINGLE HANDLE FAUCETS
- e. SINGLE HANDLE SHOWER VALVE
- f. SINGLE HANDLE TUB/SHOWER VALVE

### B. Conditions shown on the plans relative to the work to be performed show:

- F. PROVIDE WATER HAMMER ARRESTERS TO DOMESTIC WATER LINES
- G. TRAVERSE DRAINAGE FIXTURE UNIT
- H. PUMP RISE AND PUMP DROP
- I. PUMP
- J. PUMP*
- K. GALLONS PER MINUTE
- L. CUBIC FEET PER SECOND
- M. CUBIC FEET PER HOUR
- N. PSI
- O. BTUH
- P. SHT
- Q. SQ FT
- R. FPM
- S. CFS
- T. CFS
- U. GPM
- V. SF
- W. CU FT
- X. DP
- Y. TR
- Z. POC

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### D. Conditions shown on the plans relative to the work to be performed show:

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### E. Conditions shown on the plans relative to the work to be performed show:

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### G. Conditions shown on the plans relative to the work to be performed show:

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### H. Conditions shown on the plans relative to the work to be performed show:

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### I. Conditions shown on the plans relative to the work to be performed show:

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### Piping Systems

-** Piping Fittings**

-** Values**

### SHEET INDEX

- P.0.1: PLUMBING SYMBOL LIST AND GENERAL NOTES - PLUMBING
- P.1: SHEET INDEX - PLUMBING
- P.2: FIRST FLOOR PLAN - PLUMBING
- P.3: TYPICAL FIRST FLOOR PLAN - PLUMBING
1 FIRST FLOOR PLAN ARF - PLUMBING

SCALE: 1/8" = 1'-0"
1. **Switches and Receptacles**
   - Duplex receptacle:
     - 20 amp, 120 volt, with GFCI protection.
   - Single receptacle:
     - 15 amp, 120 volt, with GFCI protection.
   - Equipment electrical connection:
   - Special purpose receptacle:
     - 20 amp, 120 volt, with GFCI protection.
   - Wall mounted occupancy sensor:
     - 120 volt, 20 amp, with GFCI protection.
   - Ceiling mounted occupancy sensor:
     - 120 volt, 20 amp, with GFCI protection.
   - Motion sensor:
     - 120 volt, 20 amp, with GFCI protection.
   - Multiple changes: service mental intercoms, which will be coordinated with the fire alarm system.

2. **Equipment Identification**
   - Panel switch:
     - 30 amp, 120 volt, with GFCI protection.
   - Contact:
     - 120 volt, 20 amp, with GFCI protection.
   - Lighting switch:
     - 120 volt, 20 amp, with GFCI protection.
   - Equipment identification:
     - 120 volt, 20 amp, with GFCI protection.

3. **Connections / Equipment**
   - Communications:
     - Category 6A.
   - Raceways:
     - PVC conduit, Schedule 40 or Schedule 80.
   - Connection:
     - 4 way.
   - Panel:
     - 4 pole, 120/240 volt, with GFCI protection.

4. **General Electrical Notes**
   - Exposed wiring shall have a heat-resistant covering, with a minimum of 1/4 inch thickness.
   - All wiring shall be installed in accordance with the National Electrical Code.
   - All wiring shall be installed in accordance with the applicable local electrical codes.
   - All wiring shall be installed in accordance with the applicable local electrical codes.

5. **Miscellaneous**
   - Panel:
     - 4 pole, 120/240 volt, with GFCI protection.
   - Lighting:
     - 120 volt, 20 amp, with GFCI protection.
   - Equipment:
     - 120 volt, 20 amp, with GFCI protection.
### TECHNOLOGY SYMBOL LIST

**Abbreviations**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>E</td>
<td>3-PH Service Connection</td>
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<tr>
<td>R</td>
<td>TELECOM CONNECTIONS</td>
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<tr>
<td>C</td>
<td>TEL \ PHONE</td>
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<tr>
<td>T1</td>
<td>TELEPHONE</td>
</tr>
<tr>
<td>T1X</td>
<td>TELEPHONE TELEPHONE BOARD</td>
</tr>
<tr>
<td>TH1</td>
<td>TYPICAL</td>
</tr>
<tr>
<td>TH2</td>
<td>TELEPHONE</td>
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<tr>
<td>TH3</td>
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**Reference Symbols**

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>X</td>
<td>EXTERIOR WALL SHEET LOCATION</td>
</tr>
<tr>
<td>Y</td>
<td>INTERIOR WALL SHEET LOCATION</td>
</tr>
</tbody>
</table>

**Telecommunications**

- **Audio/Video**
  - D: DOWN CONDUCTOR |
  - U: NATURE E | |
  - W: FRAME |
  - J: JUMPER |
  - V: VERTICAL |
  - E: ELECTRODE |

- **Equipment**
  - D: DOWN CONDUCTOR |
  - U: NATURE E |
  - W: FRAME |
  - J: JUMPER |
  - V: VERTICAL |
  - E: ELECTRODE |

**General**

- **Pagelight/Concem**
  - D: DOWN CONDUCTOR |
  - U: NATURE E |
  - W: FRAME |
  - J: JUMPER |
  - V: VERTICAL |
  - E: ELECTRODE |

**Conduits**

- **Conduit and Connectors Above Ground**
  - D: DOWN CONDUCTOR |
  - U: NATURE E |
  - W: FRAME |
  - J: JUMPER |
  - V: VERTICAL |
  - E: ELECTRODE |

**Sheets**

- **Scanner Output**
  - D: DOWN CONDUCTOR |
  - U: NATURE E |
  - W: FRAME |
  - J: JUMPER |
  - V: VERTICAL |
  - E: ELECTRODE |

**SHEETS INDEX**

- **Sheet 1**
  - **Sheet 2**
  - **Sheet 3**

**Symbols Lists and General Notes - Technology**

Date: September 30, 2015
1 ENLARGED TYPICAL IDF ROOM - ARF BUILDING

2 ENLARGED IDF ROOM - MHRC BUILDING