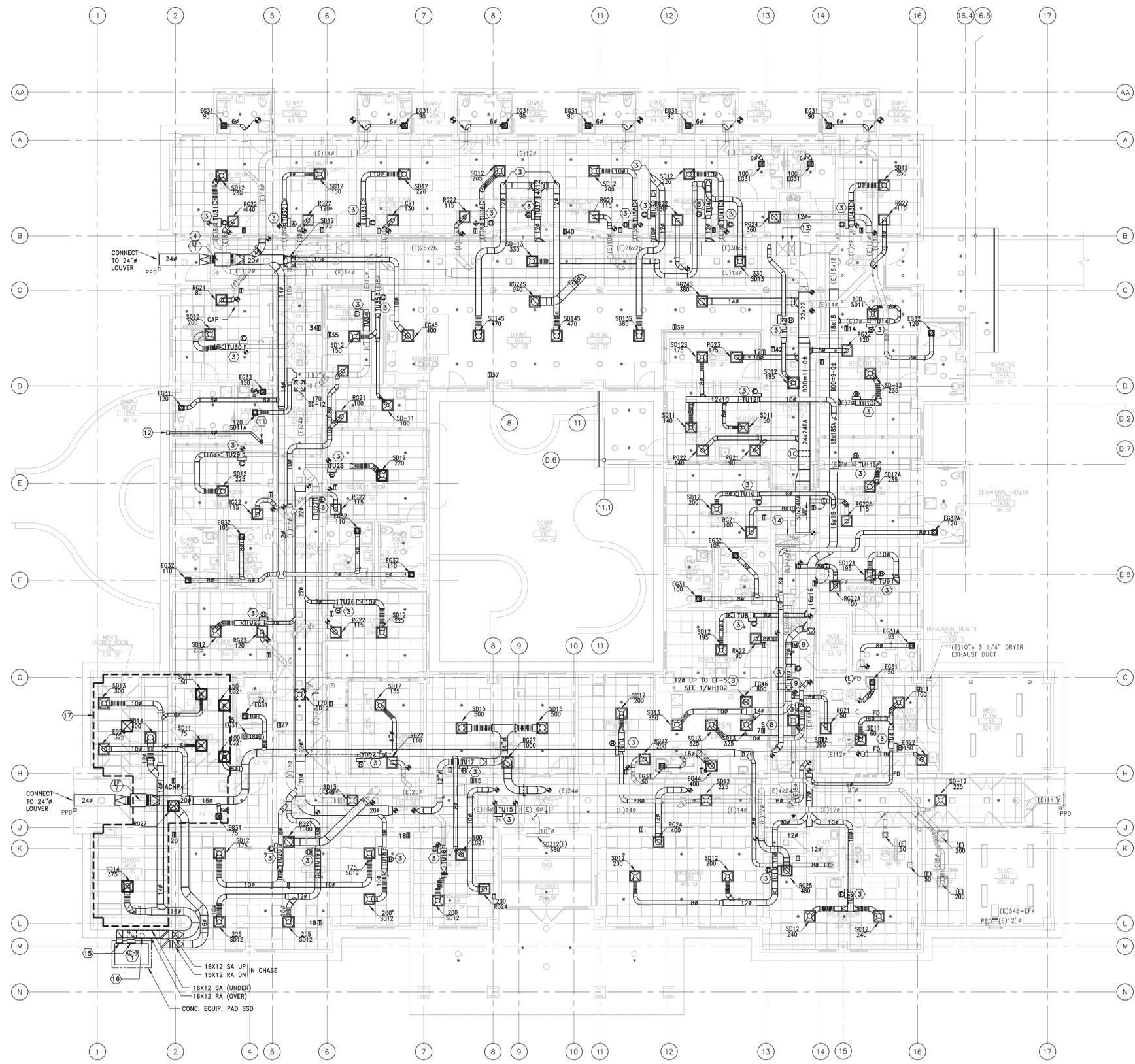


three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



1 FLOOR PLAN
 1/8" = 1'-0"

LEGEND

- Ⓐ VAV TERMINAL BOX SIZE KEY. SEE EQUIPMENT SCHEDULE IS INDICATED.
- Ⓜ ZONE THERMOSTAT. WHEN NUMBER IS SHOWN, IT REFERENCES CONTROLLED VAV TERMINAL UNIT. PROVIDE REMOTE THERMOSTAT WITH DUCT MOUNTED SENSOR FOR BEHAVIORAL HEALTH RESIDENT ROOMS. LOCATE THERMOSTAT ON WALL IN HALLWAY OUTSIDE DOOR.
- Ⓣ DUCT MOUNTED TEMPERATURE SENSOR FOR REMOTE MOUNTED THERMOSTAT

GENERAL NOTES

1. COORDINATE LOCATIONS FOR ALL CEILING MOUNTED DIFFUSERS AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.
2. NOT USED
3. CONNECT TO EXISTING DUCTWORK AS INDICATED. DUE TO DRAWING SCALE AND DUCTWORK DENSITY ALL POINTS OF CONNECTION MAY NOT BE IDENTIFIED ON THE DRAWING.
4. THERMOSTAT LOCATIONS SHOWN ON THE DRAWING ARE APPROXIMATE. COORDINATE LOCATIONS WITH LIGHT SWITCHES AND OTHER WALL MOUNTED ELEMENTS. MOUNTING HEIGHT SHALL MEET ADA REQUIREMENTS.
5. REFER TO DUCTWORK SHOP DRAWINGS PREPARED BY THE INSTALLING CONTRACTOR IN 1994 FOR VERIFICATION OF SIZE AND ARRANGEMENT OF BUILDING EXISTING DUCT SYSTEMS. THESE DRAWINGS ARE AVAILABLE BY REQUEST FROM THE COR.
6. INDICATED DUCTWORK DIMENSIONS ARE IN INCHES.
7. ALL DUCTWORK, NEW AND EXISTING, SHALL BE SUPPORTED AND BRACED IN COMPLIANCE WITH SEISMIC RESTRAINT REQUIREMENTS OF CURRENT CODES.

KEYED NOTES

- Ⓛ NOT USED
- Ⓜ NOT USED
- Ⓝ NEW VAV TERMINAL UNIT. SIZE AS INDICATED. SEE EQUIPMENT SCHEDULE. PROVIDE SEISMIC BRACING TO COMPLY WITH CURRENT CODE REQUIREMENTS. LOCATE THERMOSTATS AS INDICATED. SEE MP101 FOR REHEAT PIPING SIZE AND ARRANGEMENT.
- Ⓓ NEW EXHAUST FANS EF-1 AND EF-2. SEE EQUIPMENT SCHEDULE. PROVIDE SEISMIC BRACING TO COMPLY WITH CURRENT CODE REQUIREMENTS. LOCATE IN ELEVATION AND PLAN TO ALLOW CONNECTION TO EXISTING 12 INCH DIAMETER EXHAUST LOUVER ON BUILDING ELEVATION WITH MINIMUM OFFSET.
- Ⓟ EXISTING DUCTWORK TO REMAIN. VACUUM CLEAN INTERIOR AND PROVIDE TEMPORARY END CAPS FOR ALL EXPOSED OPENINGS TO PREVENT INTRUSION OF DIRT AND DEBRIS DURING CONSTRUCTION. SEE M-101 FOR POINTS OF CONNECTION TO NEW WORK.
- Ⓠ EXISTING DIFFUSER, RETURN GRILLE OR EXHAUST GRILLE TO REMAIN IN AREA WHERE NO CEILING WORK IS INDICATED.
- Ⓡ REMOVE EXISTING KITCHEN EXHAUST HOOD AND DUCTWORK TO POINT OF TERMINATION AT MECHANICAL EQUIPMENT WELL ON ROOF.
- Ⓢ EXHAUST FAN EX-5 ON ROOF IS CONTROLLED BY A WALL SWITCH ADJACENT TO THE TU-7 THERMOSTAT. EF-5 IS INTERLOCKED WITH THE MOTORIZED CONTROL DAMPER AT TU-7 INLET, SUCH THAT STARTING EF-5 WILL OPEN THE TU-7 INLET DAMPER. THE CONTROL DAMPER SHALL HAVE AN END SWITCH THAT PROVES OPEN POSITION. UPON FAILURE OF EITHER EF-5 OR TU-7 INLET CONTROL DAMPER, EF-5 WILL SHUT DOWN AND TU-7 CONTROL DAMPER WILL CLOSE.
- Ⓣ EXISTING AIRFLOW MEASURING STATION IN RETURN AIR DUCTWORK. VERIFY THAT IT IS OPERATIONAL. REPAIR OR CALIBRATE AS REQUIRED.
- Ⓤ INSTALL EXISTING AIRFLOW MEASURING STATION IN RELOCATED DUCTWORK. VERIFY THAT IT IS OPERATIONAL. REPAIR OR CALIBRATE AS REQUIRED.
- Ⓥ CONNECT DRYER VENT DUCT TO DRYER AT REAR OUTLET
- Ⓦ LOUVERED DRYER VENT OUTLET BOX WITH GRAVITY DAMPER
- Ⓧ EXISTING SUPPLY AIR FROM AHU-1
- Ⓨ EXISTING RETURN AIR TO AHU-1
- Ⓩ TRANSITION SA AND RA DUCTS TO ACHP-1 SA OUTLET AND RA INLET EQUIPMENT FLANGES. VIF ARRANGEMENT.
- ⓐ DIRECT ACHP-1 CONDENSATE TO DRY WELL-SEE DETAIL 7/M5.2
- ⓑ POLICE ANNEX WILL REMAIN OCCUPIED THROUGHOUT CONSTRUCTION. SCHEDULE ALL WORK TO MINIMIZE DISRUPTION OF OCCUPANCY. CONTRACTOR TO PROVIDE, AT NO ADDITIONAL COST TO THE GOVERNMENT, TEMPORARY HVAC PORTABLE COOLING SYSTEM OF NOT LESS THAN 24 MONTH SENSIBLE CAPACITY WITH TEMPORARY DISTRIBUTION DUCTWORK WITHIN THE POLICE ANNEX TO SERVE ALL OCCUPIED AREAS AS WELL AS ELECTRIC SPACE HEATERS DURING ENTIRE PERIOD THAT EXISTING OR NEW SYSTEMS ARE NOT FULLY FUNCTIONAL.

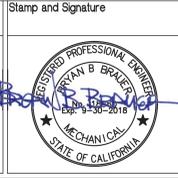
FULLY PRINKLERED

REVISION 1	05/16/2018
BID SET	04/03/2018
Revisions:	Date

CONSULTANTS:

ARSENIO ORTEGA, P.E.
 CONSULTING ENGINEER
 5 Third Street, Suite 716
 San Francisco, CA 94103
 (415) 546-0490 tel -0491 fax

BRYAN BENNO BRAUER, P.E.
 CONSULTING ENGINEER
 PO BOX 2586, TRUCKEE, CA 96160 (530)882-8683
 BRYAN@BBBRAUER.COM



ARCHITECT/ENGINEERS:

ENGINEERS ARCHITECTS
 6700 KOLL CENTER PARKWAY SUITE 125
 PLEASANTON, CALIFORNIA 94566
 Tel 925.223.8217 www.thekpagroup.com

KPA
 THE KPA GROUP

©THE KPA GROUP 2018
 KPA Project No. 576.00

Drawing Title
HVAC PLAN

Approved Project Director
 VAPAHCs PLANNING AND ENGINEERING

Project Title
348 HOMELESS RESOURCE CENTER

Location
 795 WILLOW ROAD, MENLO PARK, CA 94025

Date
 04/03/2018

Checked
 PWP

Drawn
 KPA TEAM

Project Number
 640-14-124

Building Number
 348

Drawing Number
MH101

Dwg. of

