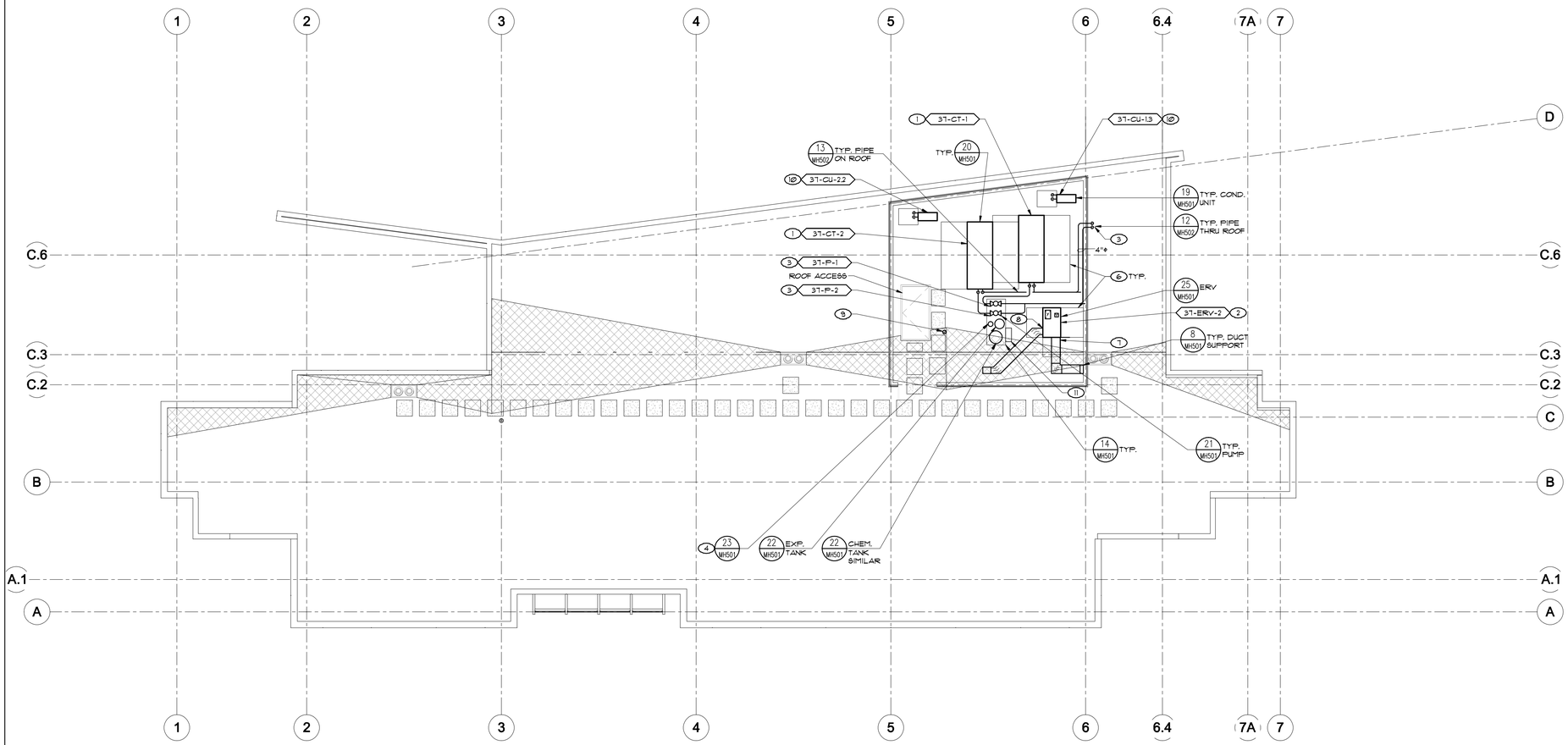

1 MECHANICAL ROOF PLAN
1/8" = 1'-0"

NORTH

KEY NOTES

1. TYPICAL VARIABLE REFRIGERANT SYSTEM COOLING TOWER ON ROOF. CONDENSER WATER PIPES SHALL DROP THRU ROOF TO 2ND FLOOR ATTIC, SEE SHEET MP220 FOR CONTINUATION. PROVIDE WEATHER PROOF COVER OVER PIPES ON ROOF.
2. ENERGY RECOVERY VENTILATOR ON ROOF WITH 7"X1" OA & 10"X16" EA FLEX CONNECTIONS. OA DUCT SHALL TRANSITION TO 10"X16" INSULATED DUCT WITHIN ROOF CURB AND THEN BOTH DUCTS SHALL DROP THRU ROOF TO 2ND FLOOR MECH. ROOM, SEE SHEET MH220 FOR CONTINUATION.
3. 3"ø CONDENSER WATER PIPING ON ROOF TO EACH TOWER, CONNECT TOGETHER WHERE SHOWN TO 4"ø PIPES AND DROP THRU ROOF WITH WEATHER PROOF FLASHING. SEE SHEET MP220 FOR CONTINUATION.
4. MOUNT CHEMICAL POT FEEDER, EXPANSION TANK AND (2) PUMPS ALL ON ONE EQUIPMENT PLATFORM.
5. PLUMBING VENT THRU ROOF SHALL BE A MINIMUM OF 15'-0" FROM ANY OUTSIDE AIR INTAKE.
6. UNIT SERVICE CLEARANCE AREA.
7. REMOVE 17"X22" INTAKE HOOD FROM ERV, CONNECT 15"X20" DOUBLE WALL GALV. DUCT WITH 2" THICK INSULATION TO OPENING, EXTEND AS SHOWN AND REINSTALL HOOD AT END OF DUCT. HOOD SHALL BE A MIN. OF 15'-0" FROM EXHAUST.
8. REMOVE 14"X12" EXHAUST HOOD FROM ERV, CONNECT 14"X12" GALV. EXH. DUCT, TRANSITION TO 18"X20" DUCT, EXTEND AS SHOWN, THEN TRANSITION BACK TO 14"X12" AND REINSTALL HOOD AT END OF DUCT. HOOD SHALL BE A MIN. OF 15'-0" FROM INTAKE.
9. KITCHEN HOOD EXHAUST THRU ROOF SHALL BE A MINIMUM OF 15'-0" FROM ANY OUTSIDE AIR INTAKE.
10. SINGLE ZONE COOLING ONLY SYSTEM OUTDOOR UNIT ON ROOF. REFRIGERANT PIPE SHALL DROP THRU ROOF TO 2 ND FLOOR ATTIC, SEE SHEET MP220 FOR CONTINUATION. PROVIDE WEATHER PROOF COVER OVER PIPES ON ROOF.
11. PUMP VFD'S MOUNTED ON RACK.

EQUIPMENT NOTE

REFER TO SHEET MH600 FOR EQUIPMENT SCHEDULES. REFER TO SHEETS MP100 AND MP102 FOR PIPING SCHEMATICS AND WIRING DIAGRAMS.

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Drawing Title: MECHANICAL ROOF PLAN

Approved: Project Director

Project Title: Mental Health Psychosocial Rehab Recovery and Health Care for Homeless Veteran Center

Location: 2615 E. CLINTON AVE, FRESNO, CA 93703

Date: 8/ 11/ 2014 | Checked: KK, GL | Drawn: DN

Project Number: 570-217

Building Number: 37

Drawing Number: MH230 Dwg. of

Office of Construction and Facilities Management:

Department of Veterans Affairs