

MECHANICAL VENTILATION CALCULATIONS					
ROOM	LIVING AREA (SQFT)	AVG. CEILING HEIGHT (FT)	LIVING AREA VOLUME (CU. FT)	# OF BEDROOMS	# OF OCCUPANTS
TYPE 3.0 FAIR HOUSING	1192	9	10728	3	4
				REQUIRED OUTSIDE AIR (CFM)	
				63	

MECHANICAL VENTILATION CALCULATIONS (CONT.)				
APARTMENT UNIT	EXHAUST FAN	EXHAUST FAN CFM	AUTOMATIC OPERATION TIME PER HOUR (MINUTES)	PROVIDED VENTILATION (CFM)
TYPE 3.0 FAIR HOUSING	EF-7	110	19	35
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			TOTAL OUTSIDE AIR	70

DRYER VENT LENGTH

2020 FLMC SEC 504.8

"UNIT TYPE 3.0 LAUNDRY":

(1) 90° BEND = 5' + 9" (V) + 14" (H) = 28' < 35'

1.

INSTALLED DRYER MUST BE RATED BY MFG FOR VENT LENGTH OF 28' OR GREATER WHEN INSTALLED W/ (1) 40° 90° ELBOW(S).

2.

PROVIDE SHIELD PLATES ON THE FACE OF ALL FRAMING MEMBERS WHERE THERE IS LESS THAN 1-1/4" OF MATERIAL BETWEEN DRYER DUCT AND FACE OF FRAMING MEMBER. SHIELD PLATES ARE TO BE OF STEEL AND HAVE A MINIMUM THICKNESS OF 0.062 INCHES AND EXTEND A MINIMUM OF 2 INCHES ABOVE SOLE PLATES AND BELOW TOP PLATES. (2020 FLMC 504.7)

TAGGED NOTES - THIS SHEET

1

DRYER VENT TO WALL CAP W/ BDD (NO SCREEN). CAULK BEHIND AND AROUND CAP WITH 100% SILICONE. MAINTAIN 10' CLEARANCE FROM ALL BUILDING AIR INTAKES.

2

BATHROOM EXHAUST TO WALL CAP W/ BDD AND INSECT SCREEN. CAULK BEHIND AND AROUND CAP WITH 100% SILICONE. MAINTAIN 10' CLEARANCE FROM ALL BUILDING AIR INTAKES.

3

40° DRYER VENT UP WALL. PROVIDE RECESSED DRYER BOX. SEE DETAIL REGARDING FIRE STOPPING OF DRYER VENT DUCTS.

4

PROVIDE TRANSFER GRILLE CENTERED OVER LAUNDRY CLOSET DOOR. GRILLE TO HAVE MINIMUM FREE AREA OF 100 SQIN. TURN BLADES TO FACE UP.

5

AIR HANDLER TO BE INSTALLED ON WALL IN CLOSET. SUPPLY TO DISCHARGE FROM TOP OF UNIT AND TO ABOVE CEILING. PROVIDE AIR HANDLER W/ MFG'S WALL PANEL FOR RETURN AIR AND AIR HANDLER ACCESS. SEE DETAIL.

6

U.L. LISTED RE-CIRCULATING EXHAUST HOOD BY G.C..

7

PROVIDE TRANSFER GRILLE CENTERED OVER BEDROOM DOOR. GRILLE TO HAVE MINIMUM GRILLE AREA OF 135 SQIN. TURN BLADES TO FACE UP. PROVIDE 1" DOOR UNDERCUT.

8

PROVIDE TRANSFER GRILLE CENTERED OVER BEDROOM DOOR. GRILLE TO HAVE MINIMUM GRILLE AREA OF 110 SQIN. TURN BLADES TO FACE UP. PROVIDE 1" DOOR UNDERCUT.

GENERAL NOTES - THIS SHEET

1.

DUCTWORK ROUTING TO BE COORDINATED WITH STRUCTURE AND TRUSS SPACING.

2.

SEE BLDG PLAN FOR HEAT PUMP LOCATIONS.

3.

NO FLEXIBLE DUCTWORK TO BE USED FOR EXHAUST APPLICATIONS. RIGID METAL DUCTWORK ONLY.

4.

SEE BUILDING PLANS FOR UNIT DEMISING WALL AND FLOOR/CEILING RATINGS.

5.

M.C. TO COORDINATE DUCT LOCATIONS WITH P.C. AND AREA PLUMBING STACKS AND OVERHEAD WASTE AND VENT PIPING.

6.

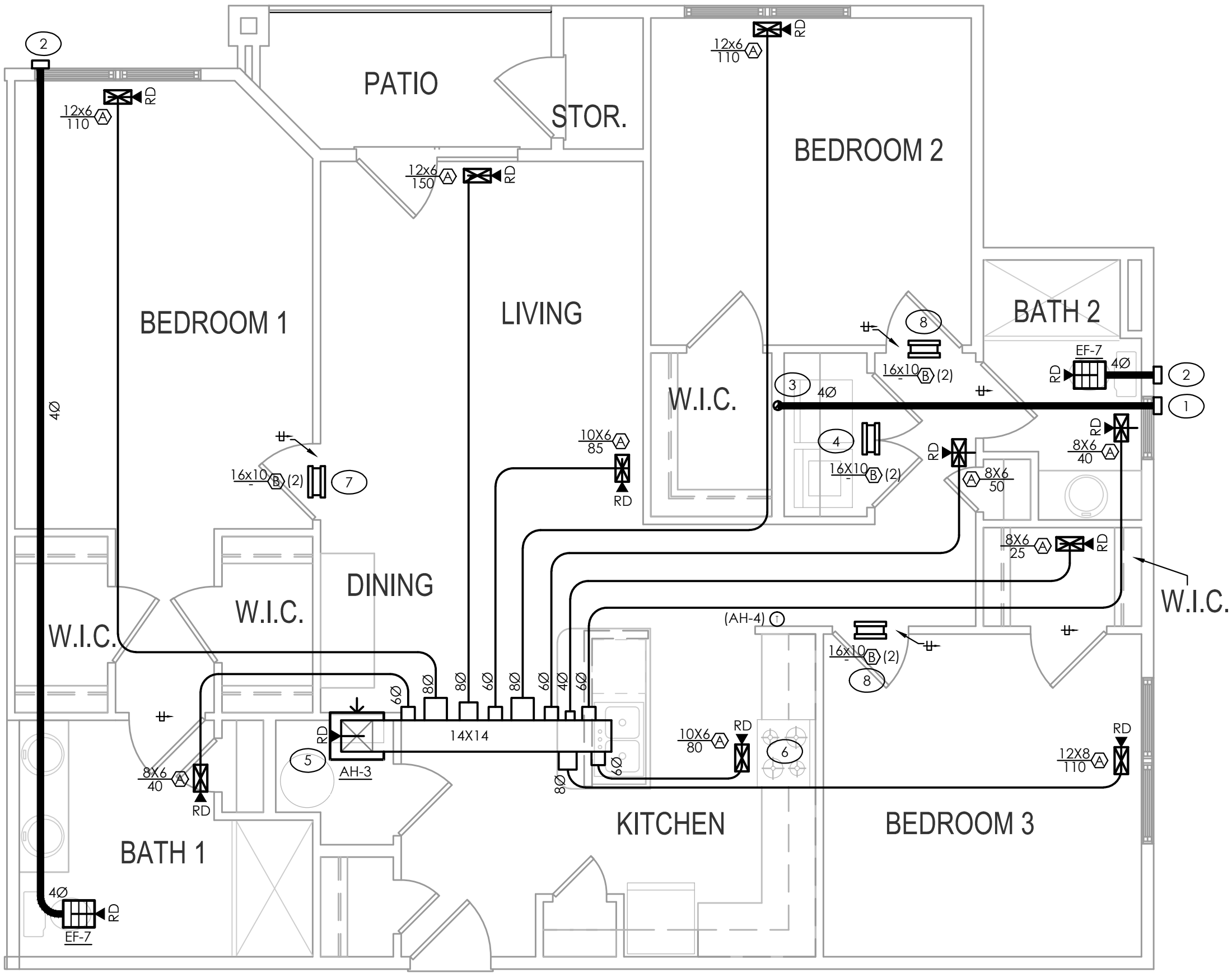
M.C. TO COORDINATE WITH E.C. AND AREA PANEL FEEDER LOCATIONS.

7.

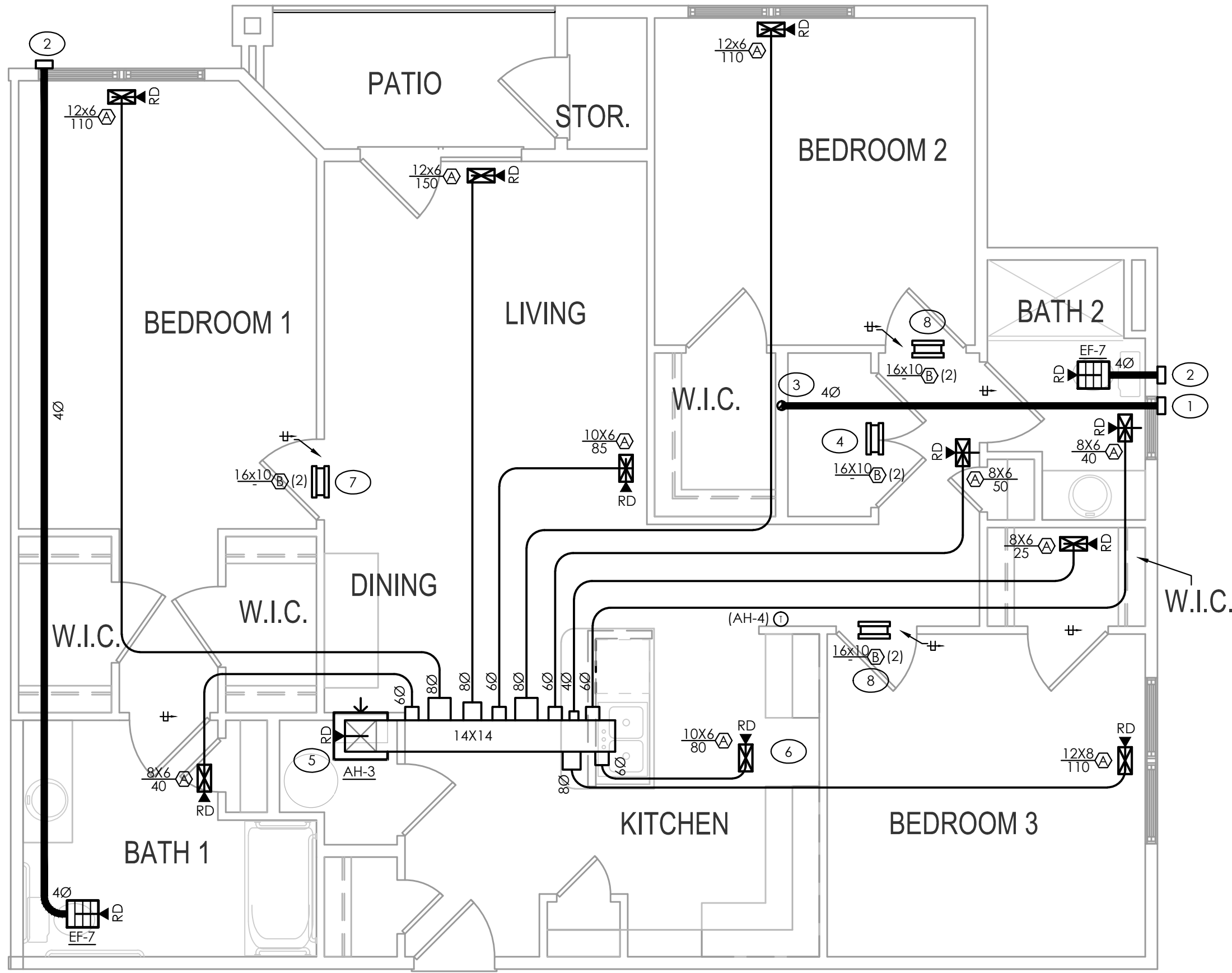
M.C. TO COORDINATE WITH FIRE SPRINKLER CONTRACTOR AND AREA SPRINKLER PIPING.

8.

SEE DETAILS REGARDING FIRE STOPPING OF DRYER EXHAUST DUCTS AND BATHROOM EXHAUST DUCTWORK.



2 MECHANICAL UNIT PLAN - TYPE 3.0 FAIR HOUSING
SCALE: 1/4" = 1'-0"



1 MECHANICAL UNIT PLAN - TYPE 3.0 MOBILITY
SCALE: 1/4" = 1'-0"

P

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Oasis at Surfside - Phase II

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