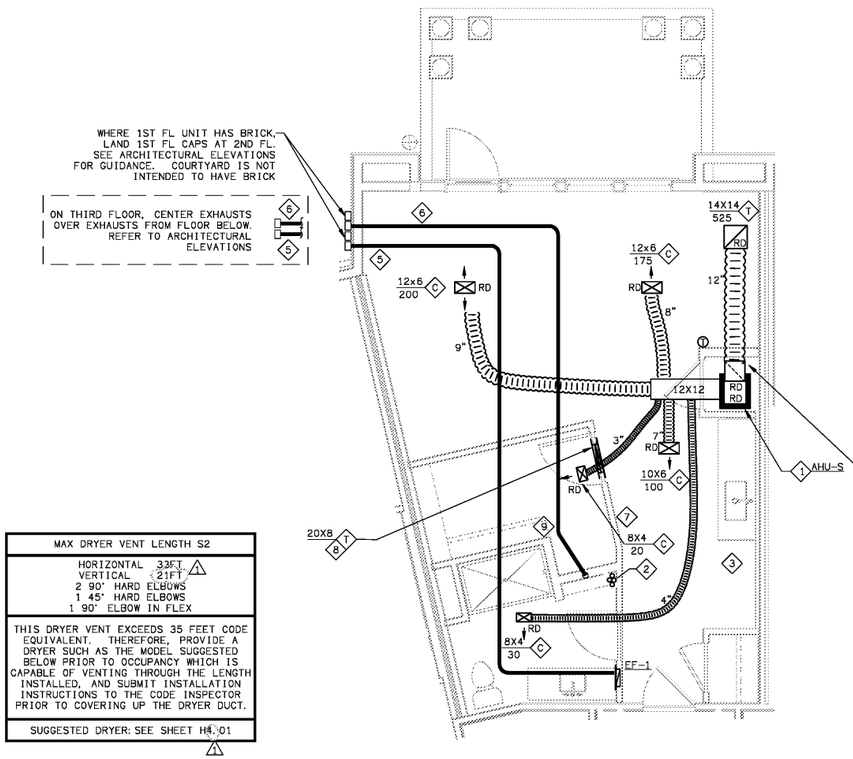


MAX DRYER VENT LENGTH S2
HORIZONTAL 33FT VERTICAL 21FT 2 90° HARD ELBOWS 1 45° HARD ELBOWS 1 90° ELBOW IN FLEX
THIS DRYER VENT EXCEEDS 35 FEET CODE EQUIVALENT. THEREFORE, PROVIDE A DRYER SUCH AS THE MODEL SUGGESTED BELOW PRIOR TO OCCUPANCY WHICH IS CAPABLE OF VENTING THROUGH THE LENGTH INSTALLED, AND SUBMIT INSTALLATION INSTRUCTIONS TO THE CODE INSPECTOR PRIOR TO COVERING UP THE DRYER DUCT.
SUGGESTED DRYER: SEE SHEET H4.01

2 UNIT S2 - HVAC PLAN

SCALE: 1/4"=1'-0"

18025-H-UNIT

DRYER VENTING CHART
WHIRLPOOL WED7590FW

Long Vent System Chart

Number of 90° elbows	Type of vent	Angled hoods
0	Rigid metal	160 ft. (48.8 m)
1	Rigid metal	150 ft. (45.7 m)
2	Rigid metal	140 ft. (42.7 m)
3	Rigid metal	130 ft. (39.6 m)
4	Rigid metal	120 ft. (36.6 m)

To determine if your model has a long vent system, refer to the type code located on the serial number plate in the inner door well. Example: An electric model would be DA**LV** (Long Vent) - ELE - XXXXXXX-XXX.

NOTE: For long vent systems, use of box/louvered hoods will improve venting, regardless of length.

FOR EACH DRYER VENT, PERMANENTLY AFFIX AN ENGRAVED PHENOLIC TAG WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION WHICH STATES THE FOLLOWING WITH ACTUAL INSTALLED VALUES:
"THE INSTALLED DRYER VENT IS "X" FEET LONG WITH "Y" 90° ELBOWS AND "Z" 45° ELBOWS. TO AVOID FIRE HAZARD, ANY DRYER INSTALLED HERE SHOULD BE RATED BY THE MANUFACTURER TO VENT THRU THAT LENGTH PLUS THE OCCUPANT INSTALLED FLEXIBLE CONNECTION LENGTH AND ELBOWS."

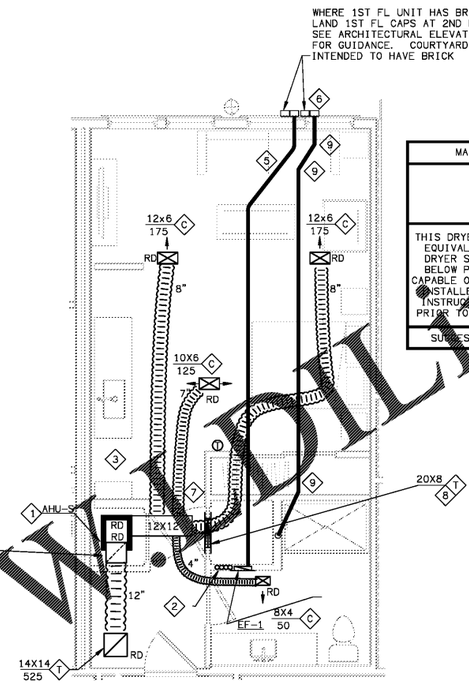
WHERE TOP FLOOR SUPPLY DUCTS ARE ABOVE THE INSULATION, INSULATE THESE DUCTS TO R-8.

LIVING UNITS ARE NATURALLY VENTILATED PER CHAPTER 12 OF THE KBC.

TRUSS PENETRATIONS

INSTALL THE TOP FLOOR SUPPLY DUCTS IN THE P547 BASED ATTIC TRUSS SYSTEMS. PROVIDE RADIATION DAMPERS AT THE MEMBRANE PENETRATIONS. THE UL LISTING FOR P547 ALLOWS NAILOR, AIRE TECHNOLOGIES, LLOYD, CROWN, MIAMI TECH, C&S. PANASONIC, BROAN AND POTTORFF RADIATION DAMPERS. INSTALL THESE RADIATION DAMPERS PER THEIR UL LISTED INSTRUCTIONS AND PER THE UL LISTING OF THE TRUSS SYSTEM, INCLUDING THE MODELS OF RADIATION DAMPERS ALLOWED. SEE ARCHITECTURAL SHEETS FOR THE UL TRUSS LISTINGS.

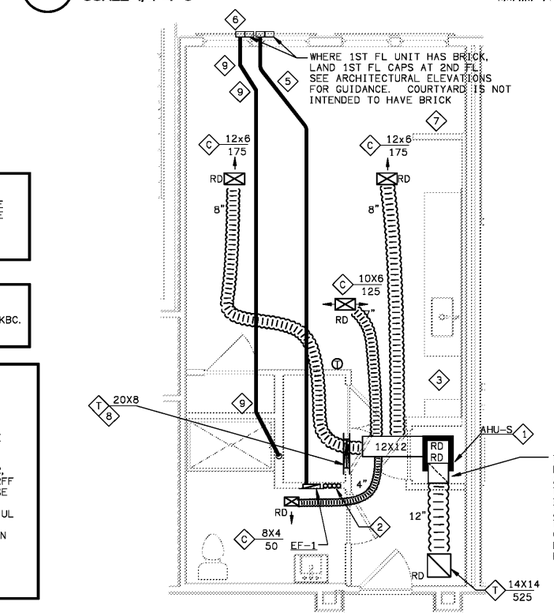
INSTALL THE LOWER FLOOR SUPPLY DUCTS IN THE L528 TRUSS SYSTEMS. PROVIDE RADIATION DAMPERS AT THE MEMBRANE PENETRATIONS. THE UL LISTING FOR L528 ALLOWS RUSKIN, AIRE TECHNOLOGIES, LLOYD, NAILOR, C&S. PANASONIC, BROAN AND POTTORFF RADIATION DAMPERS. INSTALL THESE RADIATION DAMPERS PER THEIR UL LISTED INSTRUCTIONS AND PER THE UL LISTING OF THE TRUSS SYSTEM, INCLUDING THE MODELS OF RADIATION DAMPERS ALLOWED. SEE ARCHITECTURAL SHEETS FOR THE UL TRUSS LISTINGS.



1 UNIT S1 - HVAC PLAN

SCALE: 1/4"=1'-0"

18025-H-UNIT



2 UNIT S1-A - HVAC PLAN

SCALE: 1/4"=1'-0"

18025-H-UNIT

MAX DRYER VENT LENGTH S1
HORIZONTAL 25FT VERTICAL 22FT 1 90° HARD ELBOW 1 90° IN FLEX
THIS DRYER VENT EXCEEDS 35 FEET CODE EQUIVALENT. THEREFORE, PROVIDE A DRYER SUCH AS THE MODEL SUGGESTED BELOW PRIOR TO OCCUPANCY WHICH IS CAPABLE OF VENTING THROUGH THE LENGTH INSTALLED, AND SUBMIT INSTALLATION INSTRUCTIONS TO THE CODE INSPECTOR PRIOR TO COVERING UP THE DRYER DUCT.
SUGGESTED DRYER: SEE SHEET H4.09

MAX DRYER VENT LENGTH S1-A
HORIZONTAL 25FT VERTICAL 22FT 1 90° HARD ELBOW 1 90° IN FLEX
THIS DRYER VENT EXCEEDS 35 FEET CODE EQUIVALENT. THEREFORE, PROVIDE A DRYER SUCH AS THE MODEL SUGGESTED BELOW PRIOR TO OCCUPANCY WHICH IS CAPABLE OF VENTING THROUGH THE LENGTH INSTALLED, AND SUBMIT INSTALLATION INSTRUCTIONS TO THE CODE INSPECTOR PRIOR TO COVERING UP THE DRYER DUCT.
SUGGESTED DRYER: SEE SHEET H4.01 FOR 1ST FLOOR NON COURTYARD, AND H4.09 OTHERWISE

HVAC SHEET NOTES

1. MOUNT AHU PER DETAIL ON SHEET H6.01. SEE HEAT PUMP SCHEDULE ON SHEET H6.01.
2. REFRIGERANT LINES TO CU'S ON ROOF. PROVIDE THRU FIRESTOP PENETRATION ASSEMBLY AT TRUSS PENETRATIONS. WHERE REFRIGERANT LINES ENTER TRUSSES FROM ACCESSIBLE AREAS OUTSIDE OF WALLS OR CAVITIES, PROVIDE THRU PENETRATION WITH A 1-HOUR T RATING AS WELL AS A 1-HOUR F RATING.
3. UL VASED RAINLESS VENTILATING DRYER VENT FOR STOVE.
4. UNDERCUT DOOR 1" ABOVE FINISHED FLOOR.
5. ROUTE ROUND BATH EXHAUST PER BATH EXHAUST DETAIL ON SHEET H6.05. 4" UNLESS OTHERWISE NOTED.
6. ROUTE 4" DRYER VENT PER DRYER VENTING DETAIL ON SHEET H6.05.
7. AVOID ROUTING DUCT OVER ELECTRICAL PANEL IN THIS AREA.
8. PROVIDE GRILLE ON BOTH SIDES OF WALL ABOVE DOOR FOR DRYER MAKEUP OR RETURN AIR TRANSFER. CONNECT WITH GALVANIZED STEEL COLLAR. CENTER OVER THE DOOR. ANGLE GRILLE BLADES UP.
9. PROVIDE ELBOW AS LESS THAN 45° SO AS TO KEEP THE TOTAL DRYER VENT LENGTH AS SHORT AS POSSIBLE.
10. VENT TO ROOF WHERE THIS UNIT TYPE APPEARS ABOVE THE CLUBHOUSE OR ABOVE RETAIL ON THE FRONT FACE OF THE BUILDING. WALL VENTS ARE ACCEPTABLE ON THE COURTYARD SIDE. PROVIDE AS 4" AND 26 GAGE GALV STEEL, AND OTHERWISE COMPLY WITH THE REQUIREMENTS OF THE EXCEPTION OF SECTION 607.6.1 OF THE MECHANICAL CODE. TERMINATE WITH CURBED ROOF CAP. PROVIDE BIRDSCREEN FOR BATH EXHAUST. PROVIDE BACKDRAFT DAMPER AND NO SCREEN FOR DRYER VENT.

THE EXACT POSITION OF THE EXHAUST CAPS IS IMPORTANT. USUALLY CENTERED ABOVE WINDOWS. SEE ARCHITECTURAL ELEVATIONS

HVAC LEGEND

X NECK SIZE CFM	CEILING MOUNTED SUPPLY. IF OTHER THAN 4-WAY, ARROWS INDICATE AIR FLOW PATTERN.
X NECK SIZE CFM	SIDEWALL SUPPLY REGISTER.
X NECK SIZE CFM	WALL-MOUNTED RETURN.
	WALL MOUNT EXHAUST FAN
T	THERMOSTAT. MOUNT NO HIGHER THAN 48" ABOVE FINISHED FLOOR MEASURED TO HIGHEST CONTROL
RD	UL 555C LISTED RADIATION DAMPER

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UNIT S1 & S2

HVAC

PLAN

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H4.01

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