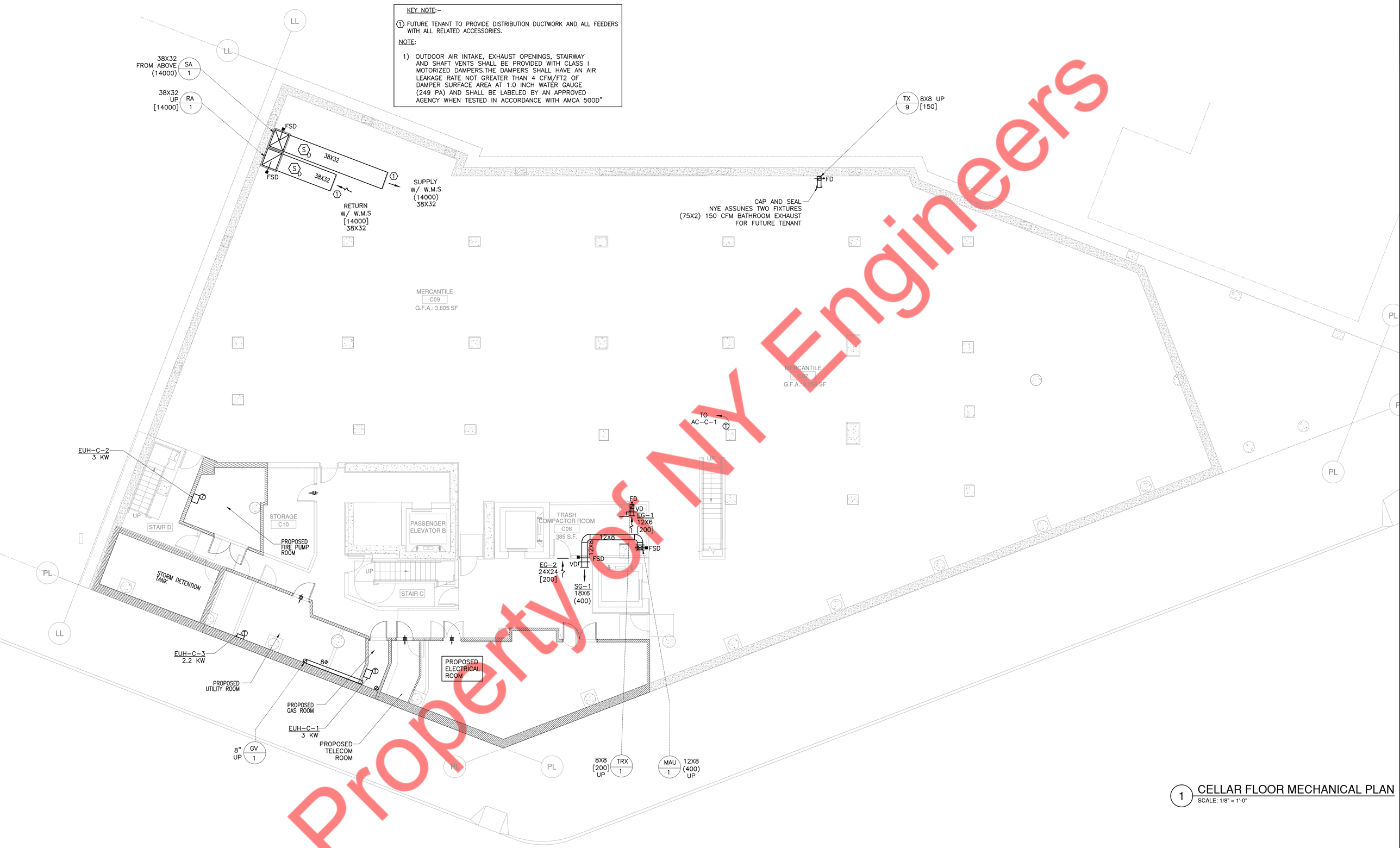
KEY NOTE:–

(1) FUTURE TENANT TO PROVIDE DISTRIBUTION DUCTWORK AND ALL FEEDERS WITH ALL RELATED ACCESSORIES.

NOTE:

1) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 PA) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"



1 CELLAR FLOOR MECHANICAL PLAN

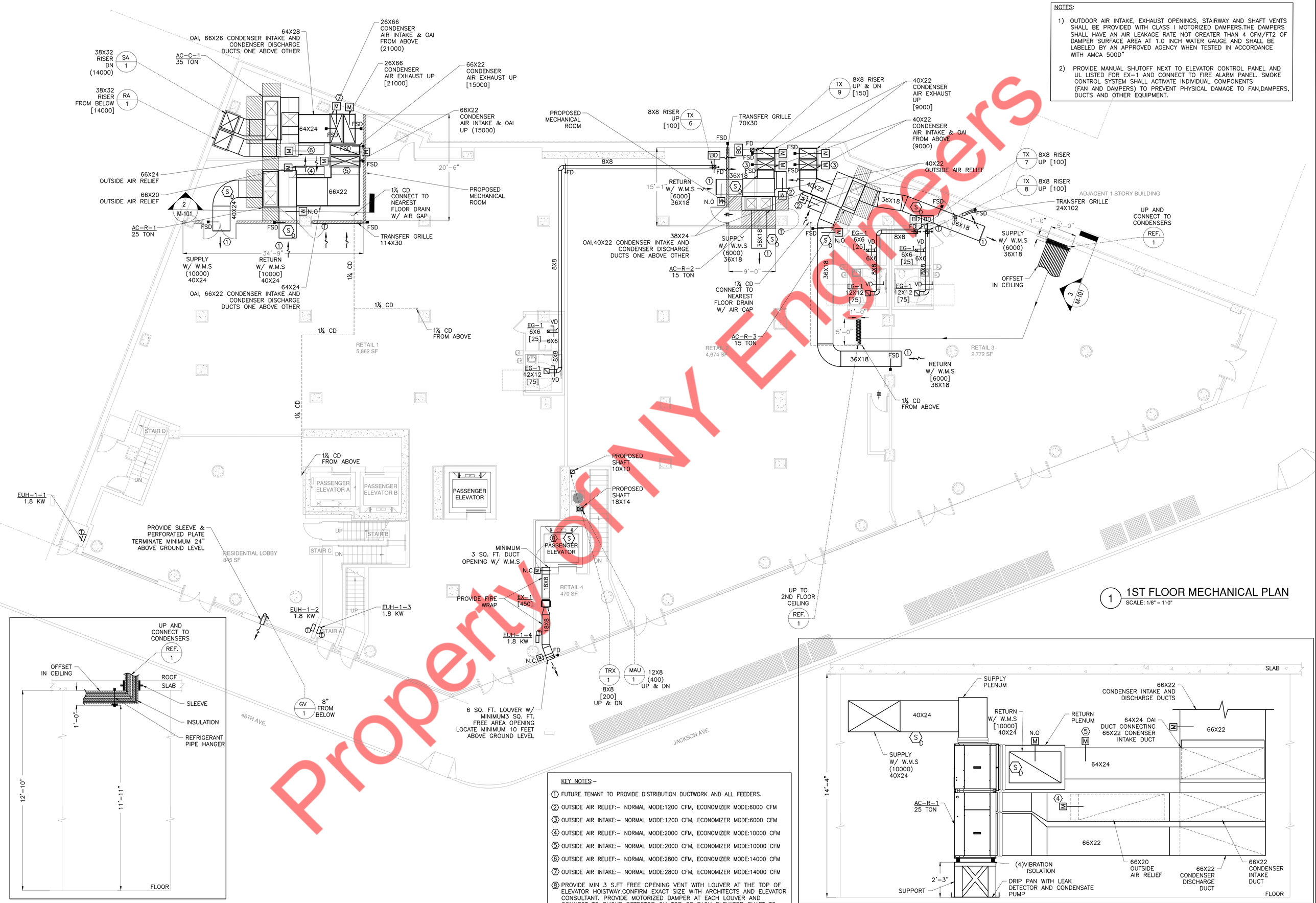
SCALE: 1/8" = 1'-0"

Property of NY Engineers

NOTES:

1) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"

2) PROVIDE MANUAL SHUTOFF NEXT TO ELEVATOR CONTROL PANEL AND UL LISTED FOR EX-1 AND CONNECT TO FIRE ALARM PANEL. SMOKE CONTROL SYSTEM SHALL ACTIVATE INDIVIDUAL COMPONENTS (FAN AND DAMPERS) TO PREVENT PHYSICAL DAMAGE TO FAN,DAMPERS, DUCTS AND OTHER EQUIPMENT.



1 1ST FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

3 RETAIL 3-SECTION PLAN
SCALE: 3/8" = 1'-0"

2 MECHANICAL ROOM SECTION PLAN
SCALE: 3/8" = 1'-0"

KEY NOTES:-

1. FUTURE TENANT TO PROVIDE DISTRIBUTION DUCTWORK AND ALL FEEDERS.
2. OUTSIDE AIR RELIEF:- NORMAL MODE:1200 CFM, ECONOMIZER MODE:6000 CFM
3. OUTSIDE AIR INTAKE:- NORMAL MODE:1200 CFM, ECONOMIZER MODE:6000 CFM
4. OUTSIDE AIR RELIEF:- NORMAL MODE:2000 CFM, ECONOMIZER MODE:10000 CFM
5. OUTSIDE AIR INTAKE:- NORMAL MODE:2000 CFM, ECONOMIZER MODE:10000 CFM
6. OUTSIDE AIR RELIEF:- NORMAL MODE:2800 CFM, ECONOMIZER MODE:14000 CFM
7. OUTSIDE AIR INTAKE:- NORMAL MODE:2800 CFM, ECONOMIZER MODE:14000 CFM
8. PROVIDE MIN 3 S.FT FREE OPENING VENT WITH LOUVER AT THE TOP OF ELEVATOR HOISTWAY.CONFIRM EXACT SIZE WITH ARCHITECTS AND ELEVATOR CONSULTANT. PROVIDE MOTORIZED DAMPER AT EACH LOUVER AND CONNECT TO SMOKE DETECTOR ON TOP OF EACH ELEVATOR SHAFT TO 100% MD FULLY OPEN WHEN SMOKE DETECTOR IS TRIGGERED.

Property of NY Engineers

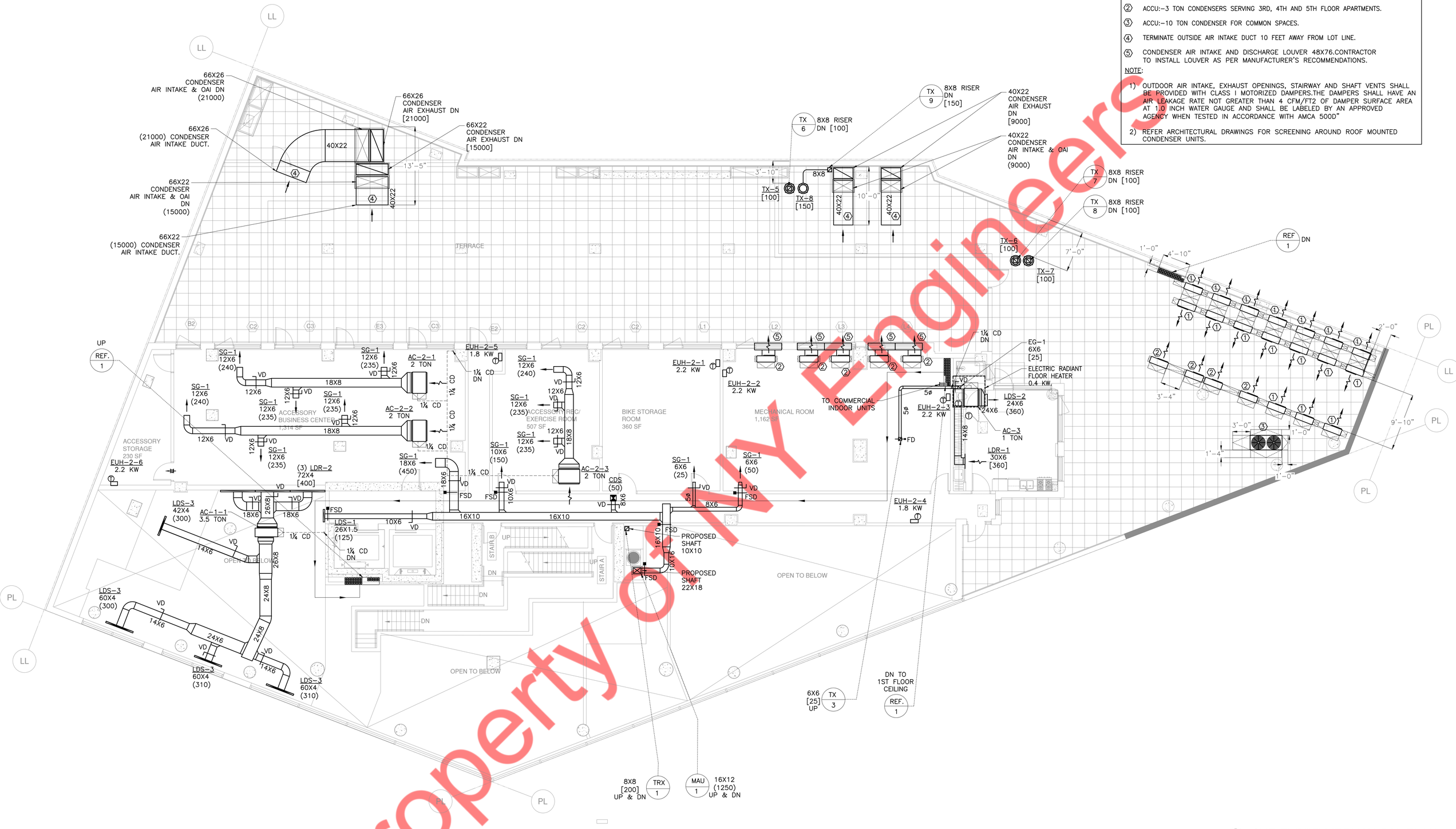
KEY NOTE:–

1. ACCU:–2 TON CONDENSERS SERVING 3RD, 4TH AND 5TH FLOOR APARTMENTS.
2. ACCU:–3 TON CONDENSERS SERVING 3RD, 4TH AND 5TH FLOOR APARTMENTS.
3. ACCU:–10 TON CONDENSER FOR COMMON SPACES.
4. TERMINATE OUTSIDE AIR INTAKE DUCT 10 FEET AWAY FROM LOT LINE.
5. CONDENSER AIR INTAKE AND DISCHARGE LOUVER 48X76.CONTRACTOR TO INSTALL LOUVER AS PER MANUFACTURER'S RECOMMENDATIONS.

NOTE:

1) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"

2) REFER ARCHITECTURAL DRAWINGS FOR SCREENING AROUND ROOF MOUNTED CONDENSER UNITS.



1 2ND FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

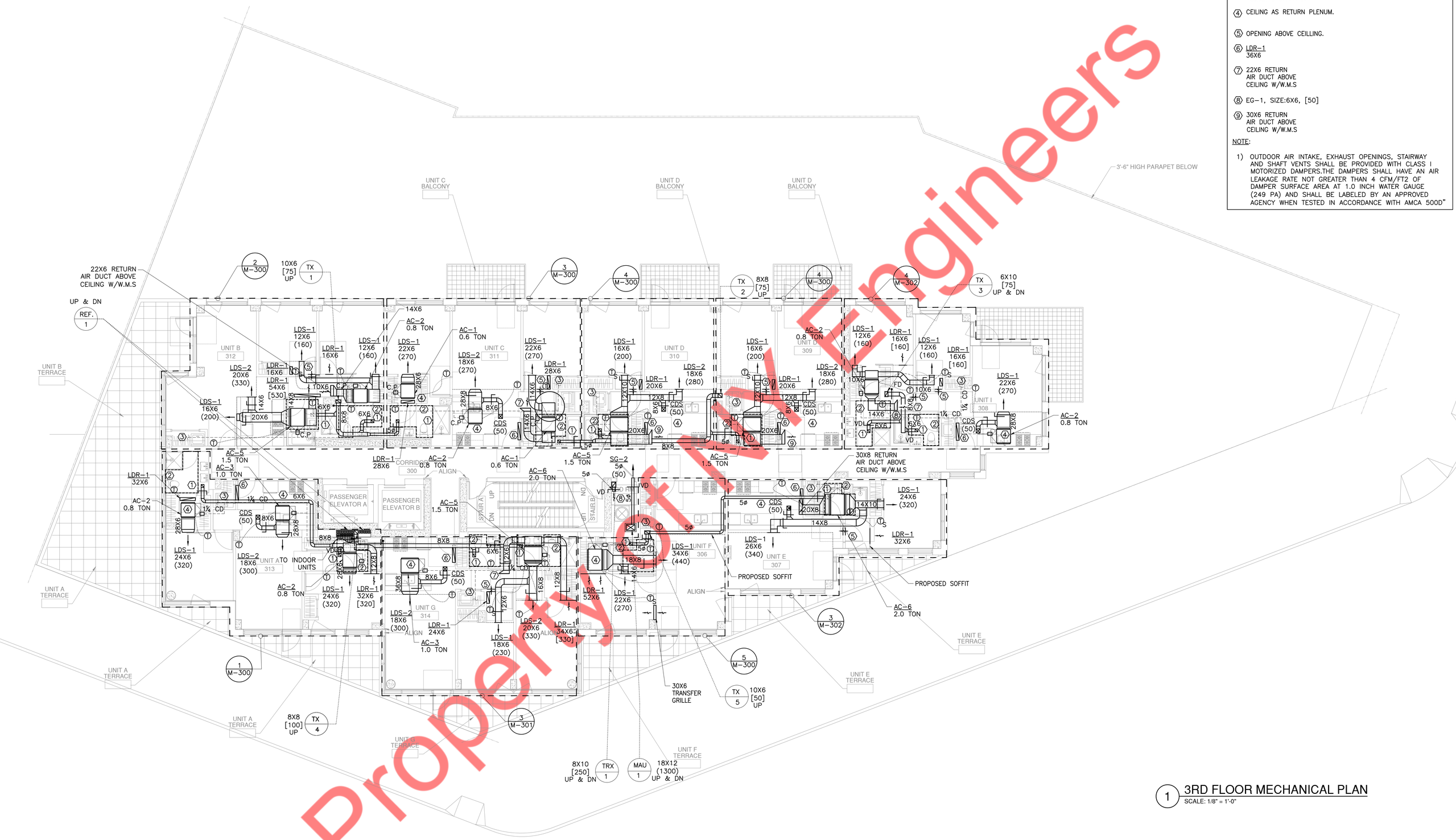
Property of NY Engineers

KEY NOTES:–

1. EG–1, SIZE:6X6 [25] FOR BATHROOM EXHAUST.
2. ELECTRIC RADIANT FLOOR HEATER 0.4 KW.
3. 1½" CD TO NEAREST FLOOR DRAIN W/ AIR GAP. COORDINATE W/ PLUMBING DRAWING.
4. CEILING AS RETURN PLENUM.
5. OPENING ABOVE CEILLING.
6. LDR–1 36X6
7. 22X6 RETURN AIR DUCT ABOVE CEILING W/W.M.S
8. EG–1, SIZE:6X6, [50]
9. 30X6 RETURN AIR DUCT ABOVE CEILING W/W.M.S

NOTE:

1) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 PA) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"



1 3RD FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

Property of MK Engineers

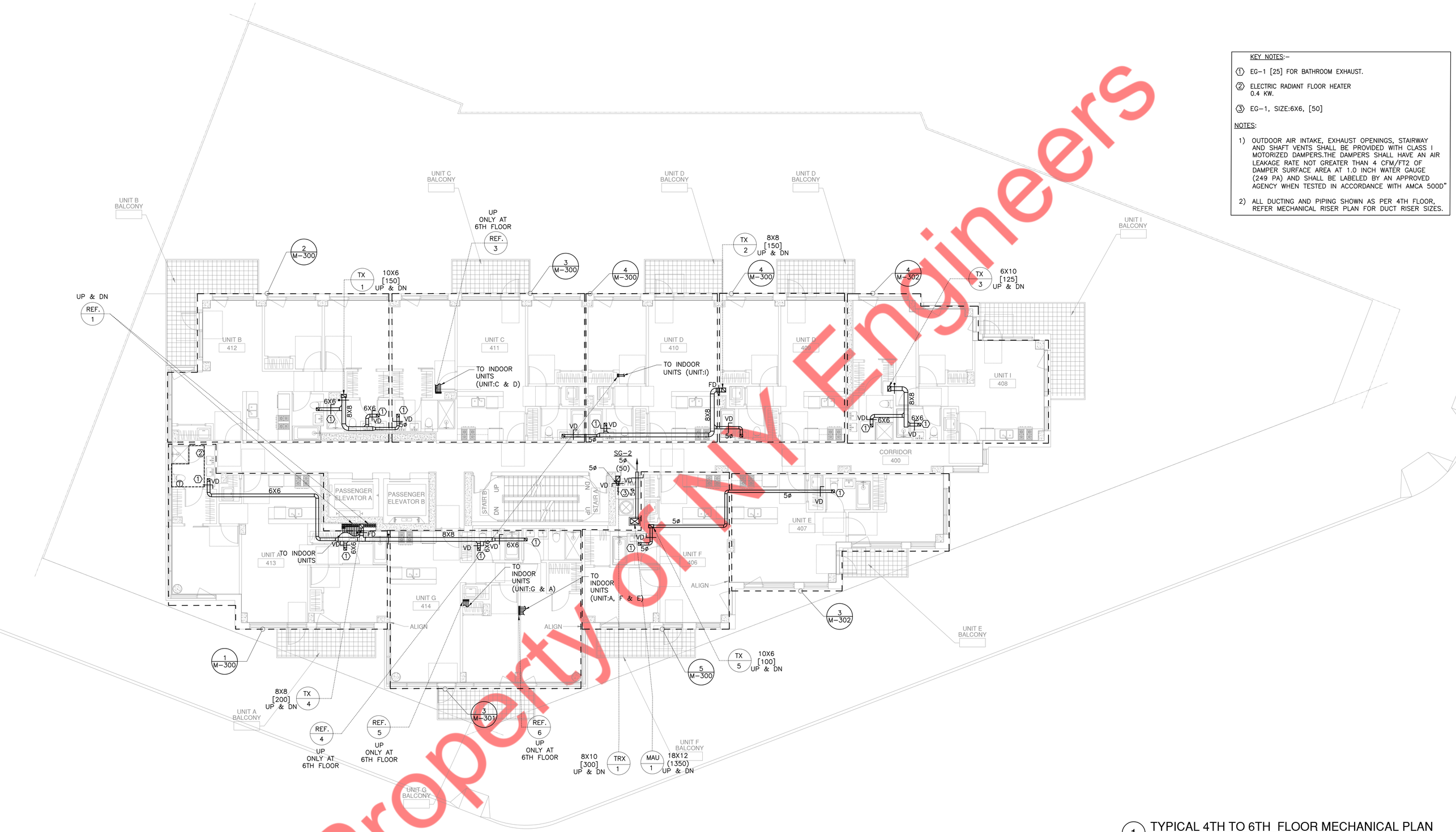
KEY NOTES:–

1. EG–1 [25] FOR BATHROOM EXHAUST.
2. ELECTRIC RADIANT FLOOR HEATER 0.4 KW.
3. EG–1, SIZE:6X6, [50]

NOTES:

1) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 PA) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"

2) ALL DUCTING AND PIPING SHOWN AS PER 4TH FLOOR, REFER MECHANICAL RISER PLAN FOR DUCT RISER SIZES.



1 TYPICAL 4TH TO 6TH FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

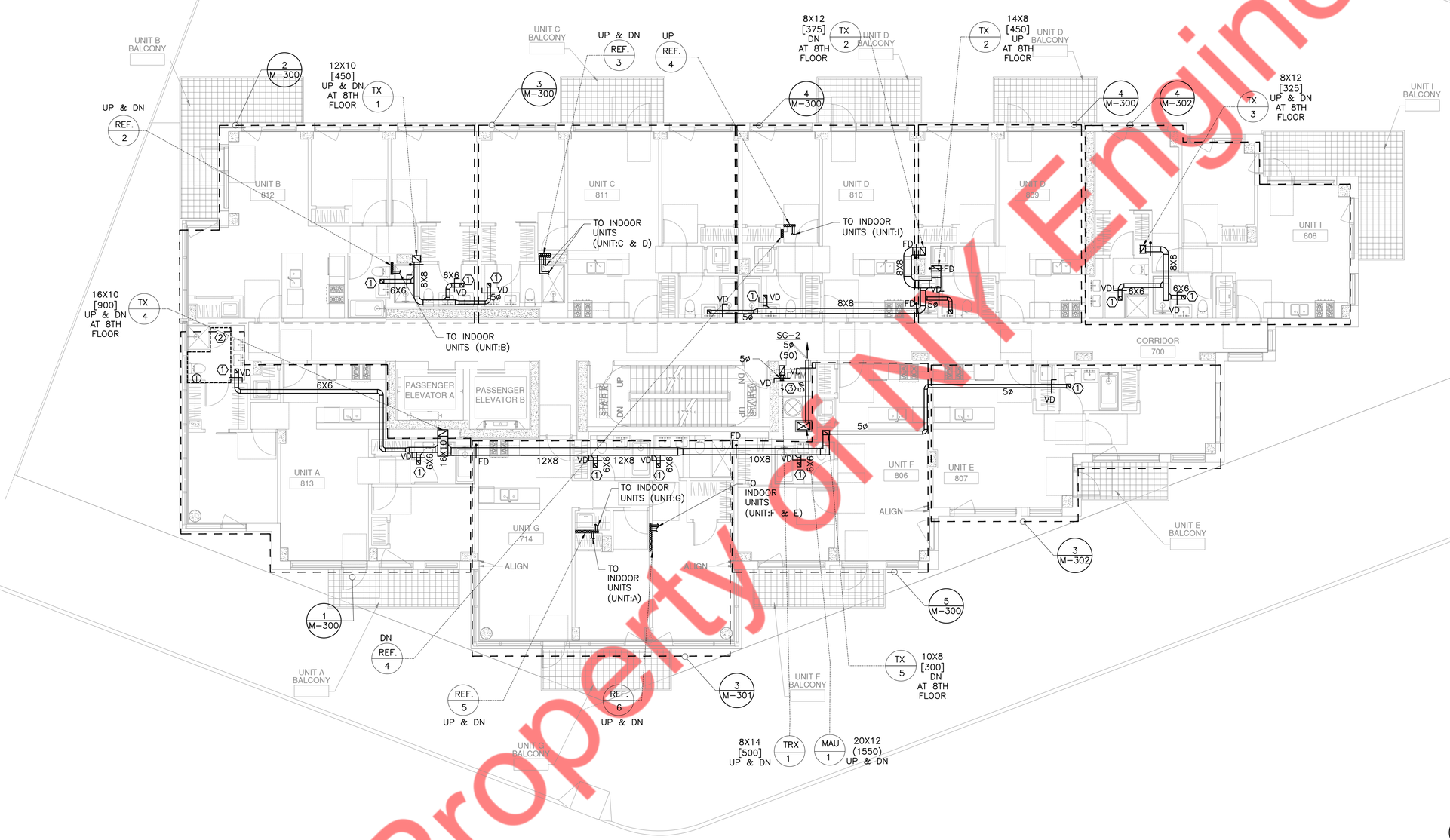
Property of NY Engineers

KEY NOTES:–

1. EG–1 [25] FOR BATHROOM EXHAUST.
2. ELECTRIC RADIANT FLOOR HEATER 0.4 KW.
3. EG–1, SIZE:6X6, [50]

NOTE:

1) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 PA) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"
2) ALL DUCTING AND PIPING SHOWN AS PER 8TH FLOOR, REFER MECHANICAL RISER PLAN FOR DUCT RISER SIZES.



1 TYPICAL 7TH TO 8TH FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

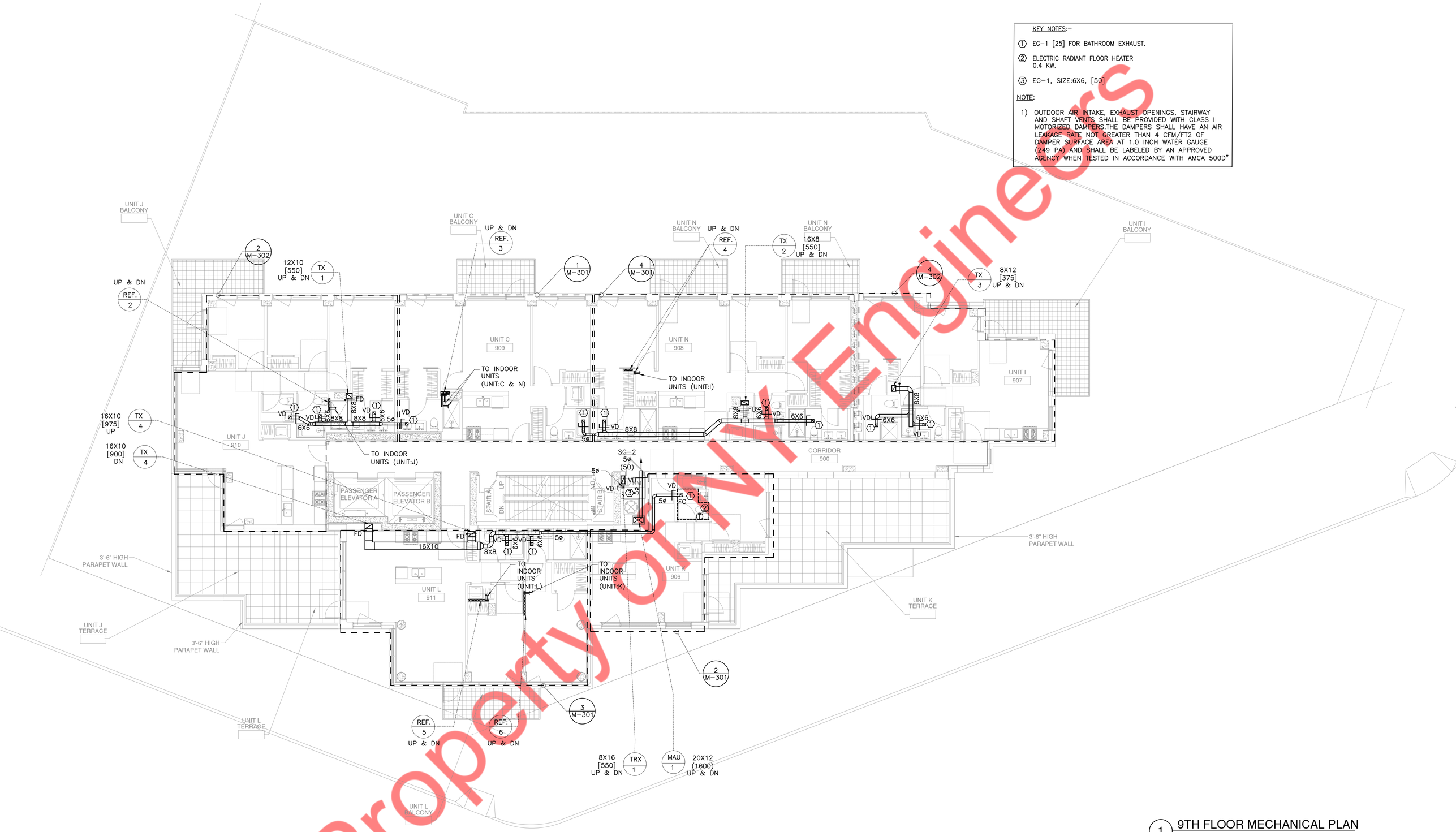
Property of MY Engineers

KEY NOTES:–

1. EG–1 [25] FOR BATHROOM EXHAUST.
2. ELECTRIC RADIANT FLOOR HEATER 0.4 KW.
3. EG–1, SIZE:6X6, [50]

NOTE:

1) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 PA) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"



1 9TH FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

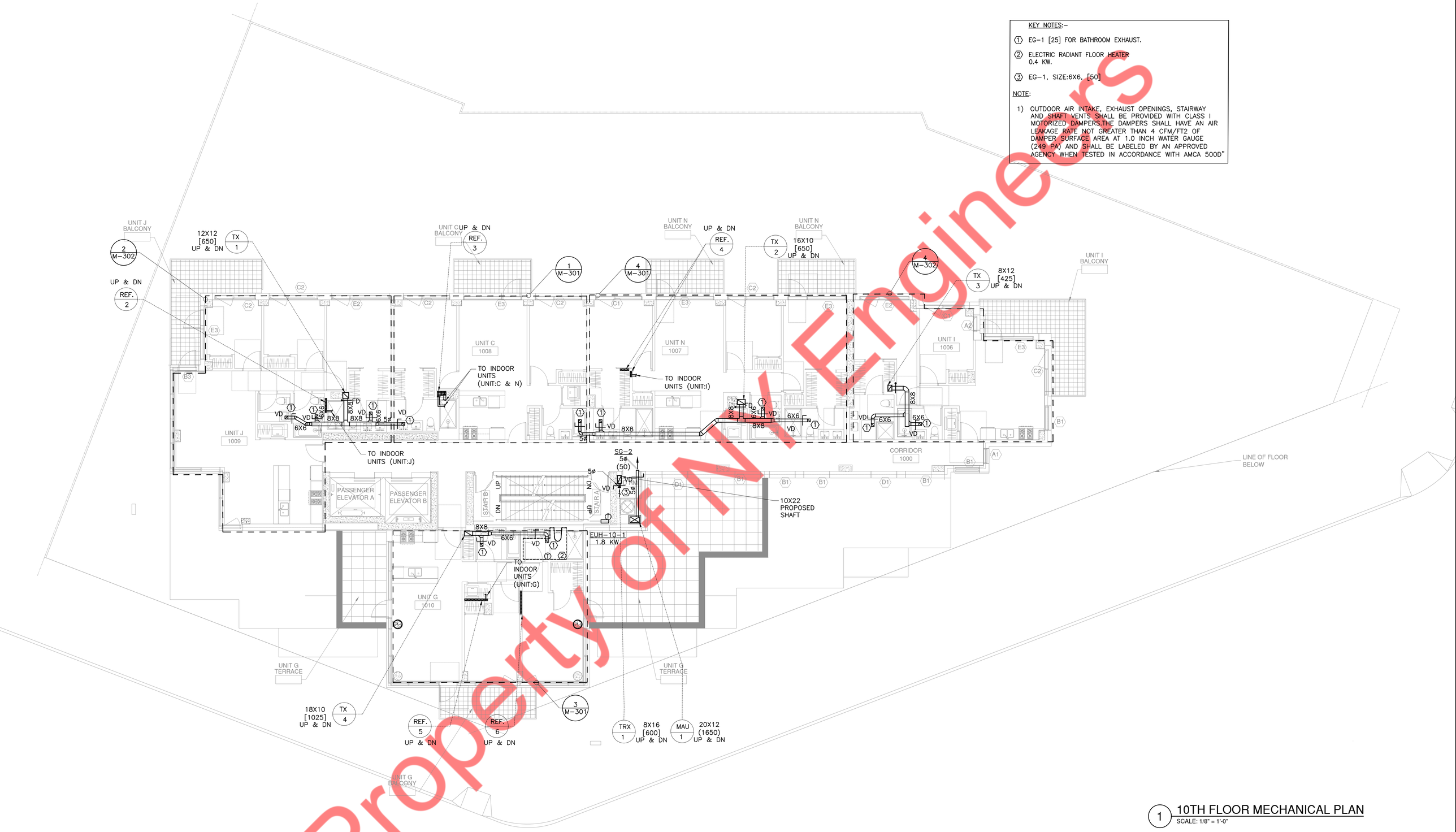
Property of NY Engineers

KEY NOTES:-

1. EG-1 [25] FOR BATHROOM EXHAUST.
2. ELECTRIC RADIANT FLOOR HEATER 0.4 KW.
3. EG-1, SIZE:6X6, [50]

NOTE:

1) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 PA) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"



1 10TH FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

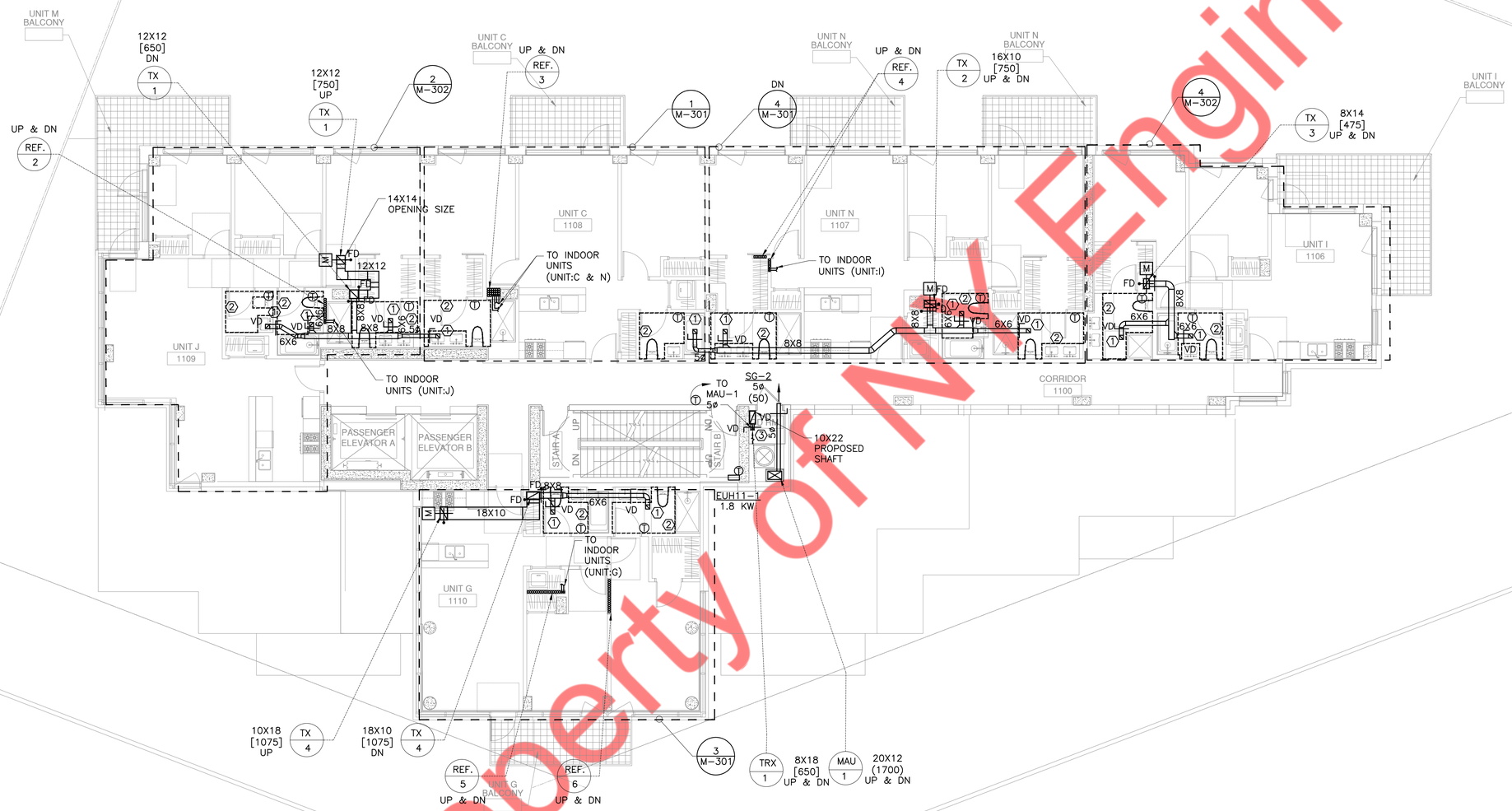
Property of NY Engineers

KEY NOTES:–

1. EG–1 [25] FOR BATHROOM EXHAUST.
2. ELECTRIC RADIANT FLOOR HEATER 0.4 KW.
3. EG–1, SIZE:6X6, [50]

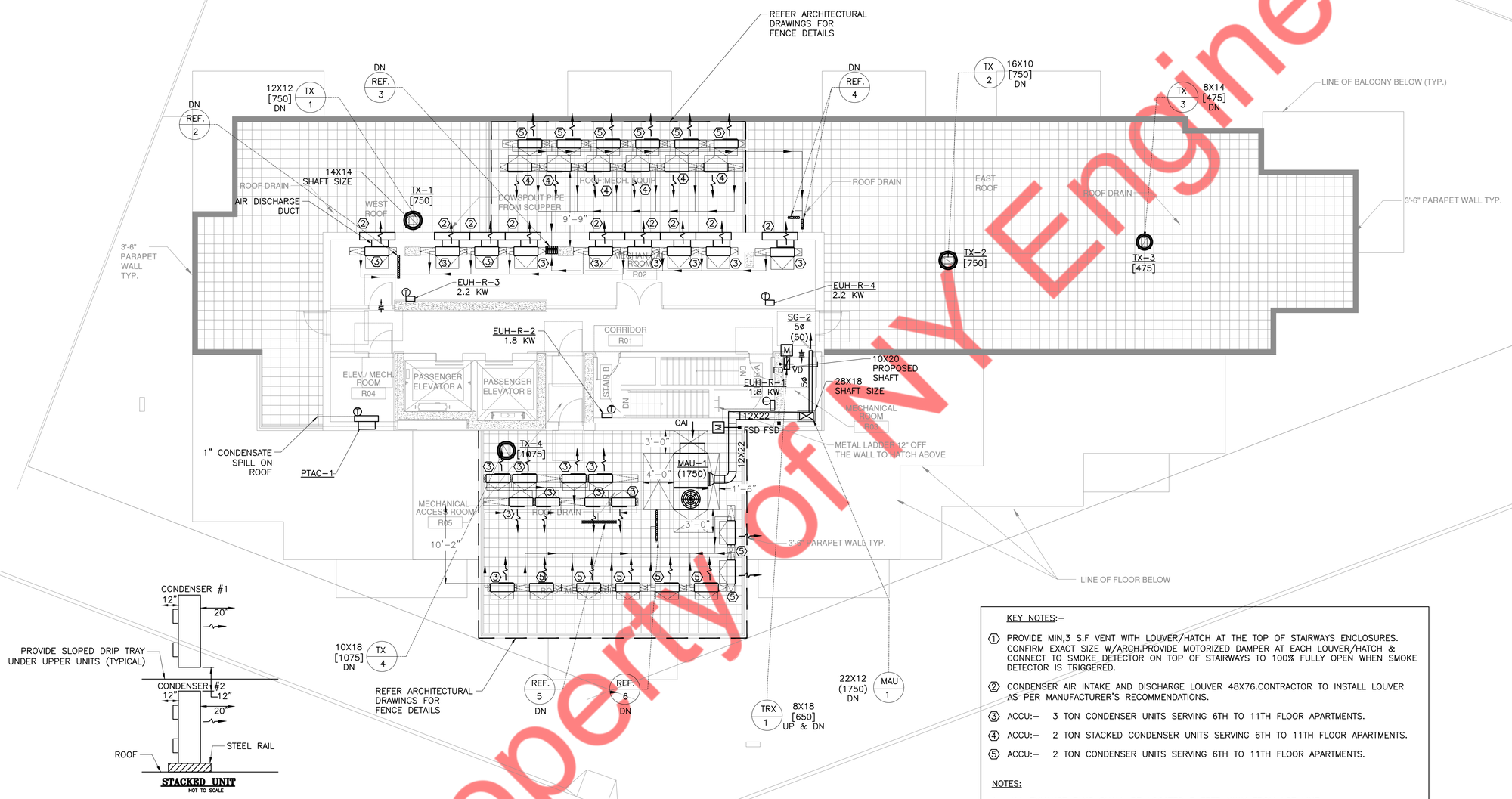
NOTE:

1) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 PA) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"



1 11TH FLOOR MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

Property of NK Engineers



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

2 CONDENSER UNIT INDOOR INSTALLATION
N.T.S

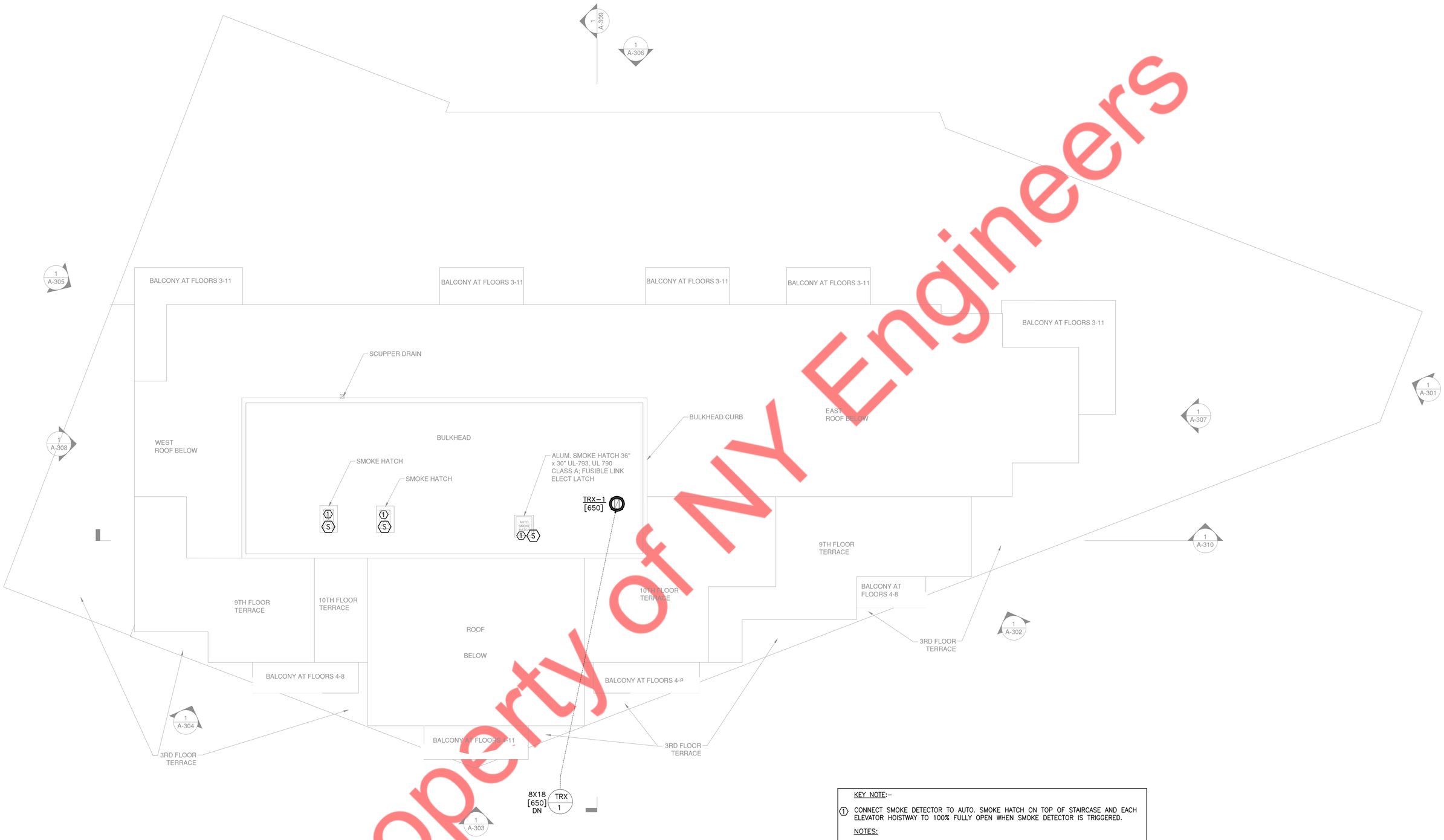
KEY NOTES:–

1. PROVIDE MIN,3 S.F VENT WITH LOUVER/HATCH AT THE TOP OF STAIRWAYS ENCLOSURES. CONFIRM EXACT SIZE W/ARCH.PROVIDE MOTORIZED DAMPER AT EACH LOUVER/HATCH & CONNECT TO SMOKE DETECTOR ON TOP OF STAIRWAYS TO 100% FULLY OPEN WHEN SMOKE DETECTOR IS TRIGGERED.
2. CONDENSER AIR INTAKE AND DISCHARGE LOUVER 48X76.CONTRACTOR TO INSTALL LOUVER AS PER MANUFACTURER'S RECOMMENDATIONS.
3. ACCU:– 3 TON CONDENSER UNITS SERVING 6TH TO 11TH FLOOR APARTMENTS.
4. ACCU:– 2 TON STACKED CONDENSER UNITS SERVING 6TH TO 11TH FLOOR APARTMENTS.
5. ACCU:– 2 TON CONDENSER UNITS SERVING 6TH TO 11TH FLOOR APARTMENTS.

NOTES:

1. ALL EXHAUST FANS SHALL BE LOCATED 3 FEET AWAY FROM LOT LINE.
2. ALL OPENINGS INTEG–1RAL TO THE BUILDING ENVELOPE SHALL BE EQUIPPED WITH NOT LESS THAN A CLASS I MOTORIZED DAMPER, LEAKAGE–RATED DAMPER WITH A MAXIMUM LEAKAGE RATE OF 4 CFM PER SQUARE FOOT AT 1.0 INCH WATER GAUGE WHEN TESTED IN ACCORDANCE WITH AMCA 500D.
3. PROVIDE 2" EXTERIOR INSULATION FOR ALL EXTERIOR DUCTWORKS WITH WATER AND WEATHER PROOF BARRIER JACKET.
4. AIR CONDITIONER UNIT SHALL NOT PRODUCE NOISE LEVELS IN EXCESS OF 42 DECIBELS FOR A SINGLE AIR CIRCULATING DEVICE AND 45 DECIBELS FOR THE CUMULATIVE NOISE LEVEL OF MULTIPLE AIR CIRCULATING DEVICES AS MEASURED 3 FEET FROM THE NOISE SOURCE AT AN OPEN DOOR OR WINDOW OF A NEARBY RESIDENCE.
5. COORDINATE ELEVATOR MACHINE ROOM HEAT LOAD REJECTION W/ELEVATOR CONSULTANT. NYE DESIGNED BASED ON 16200 BTUs.
6. OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 PA) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"

Property of NYY Engineers



KEY NOTE:-

1 CONNECT SMOKE DETECTOR TO AUTO. SMOKE HATCH ON TOP OF STAIRCASE AND EACH ELEVATOR HOISTWAY TO 100% FULLY OPEN WHEN SMOKE DETECTOR IS TRIGGERED.

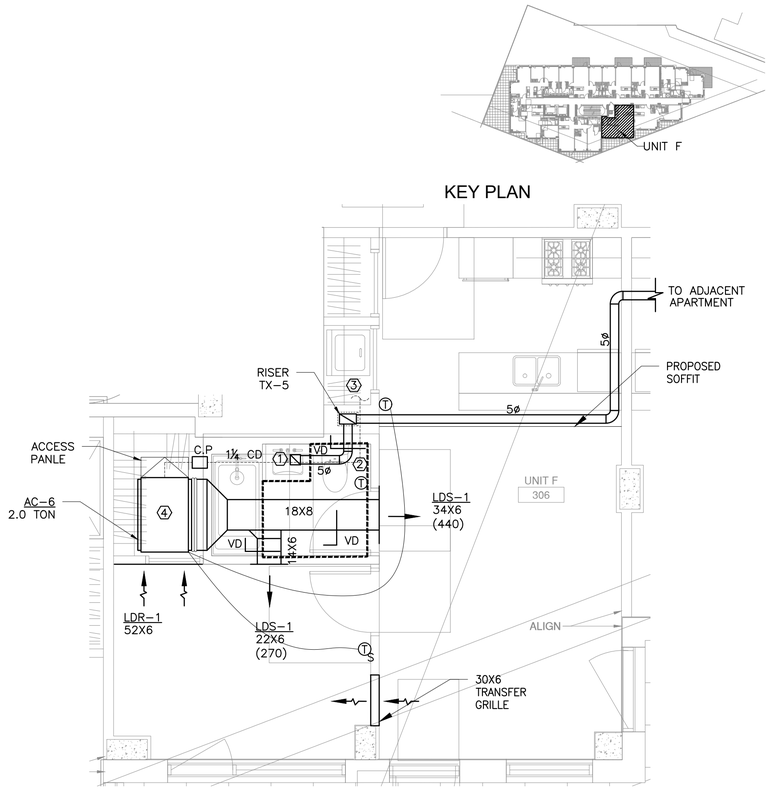
NOTES:

1) ALL OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE EQUIPPED WITH NOT LESS THAN A CLASS I MOTORIZED DAMPER, LEAKAGE-RATED DAMPER WITH A MAXIMUM LEAKAGE RATE OF 4 CFM PER SQUARE FOOT AT 1.0 INCH WATER GAUGE WHEN TESTED IN ACCORDANCE WITH AMCA 500D.

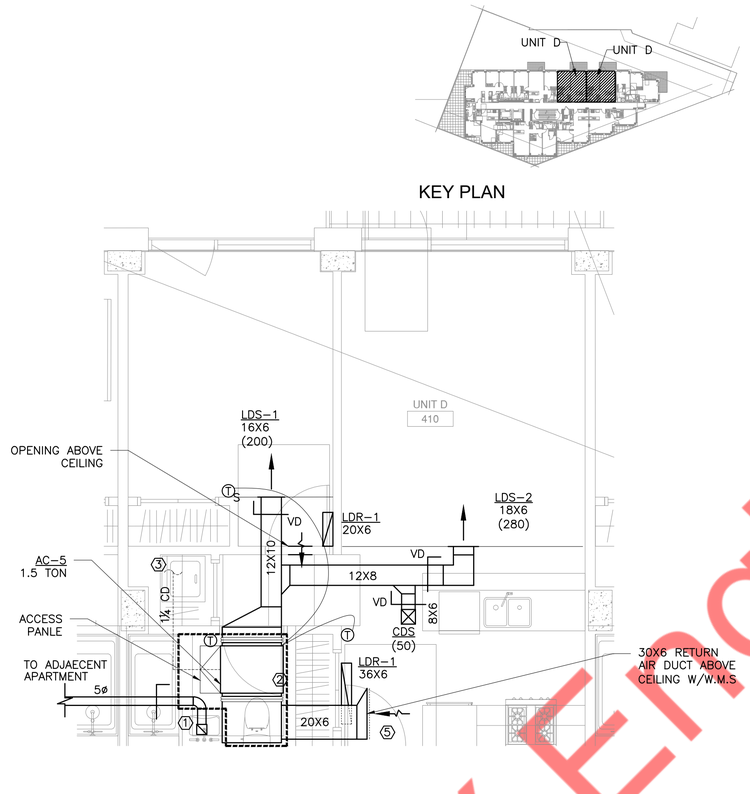
2) OUTDOOR AIR INTAKE, EXHAUST OPENINGS, STAIRWAY AND SHAFT VENTS SHALL BE PROVIDED WITH CLASS I MOTORIZED DAMPERS.THE DAMPERS SHALL HAVE AN AIR LEAKAGE RATE NOT GREATER THAN 4 CFM/FT2 OF DAMPER SURFACE AREA AT 1.0 INCH WATER GAUGE (249 PA) AND SHALL BE LABELED BY AN APPROVED AGENCY WHEN TESTED IN ACCORDANCE WITH AMCA 500D"

1 BULKHEAD MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

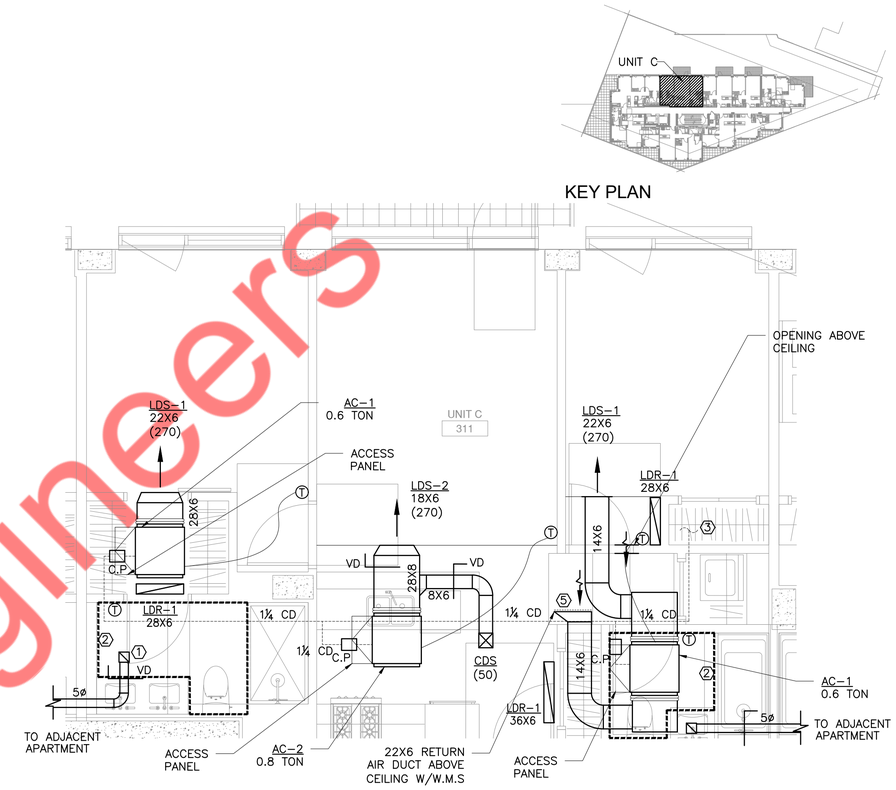
Property of NY Engineers



5 UNIT F
SCALE: 1/4" = 1'-0"



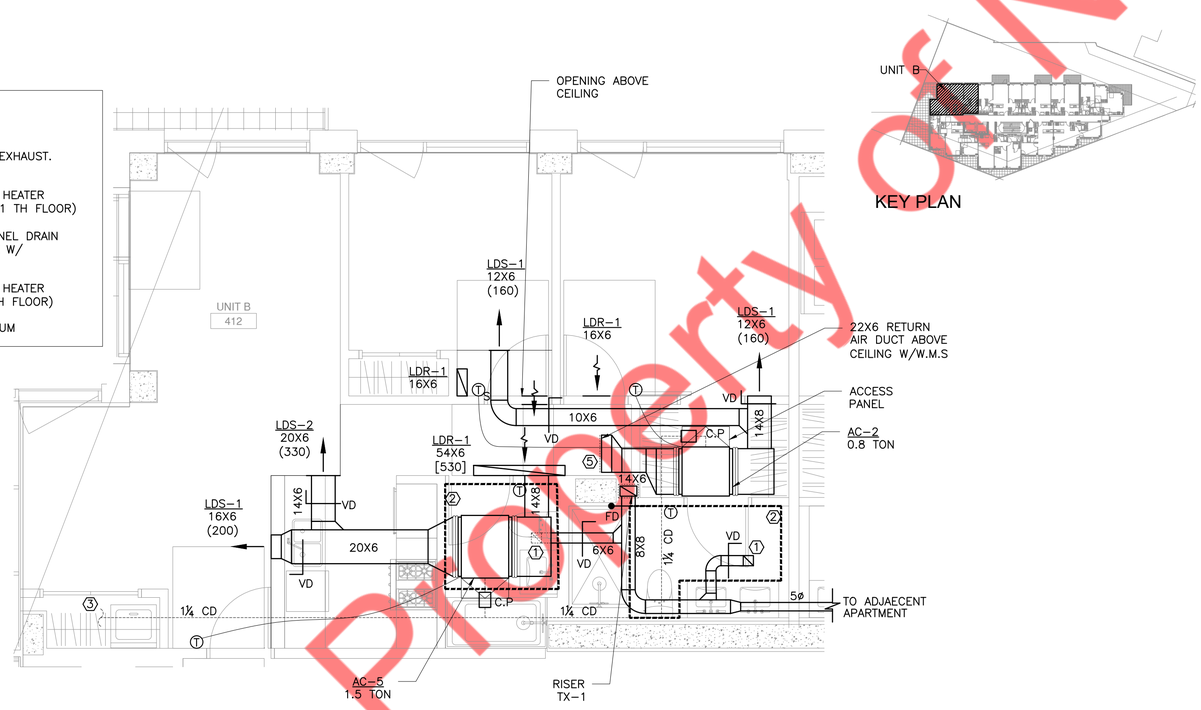
4 UNIT D
SCALE: 1/4" = 1'-0"



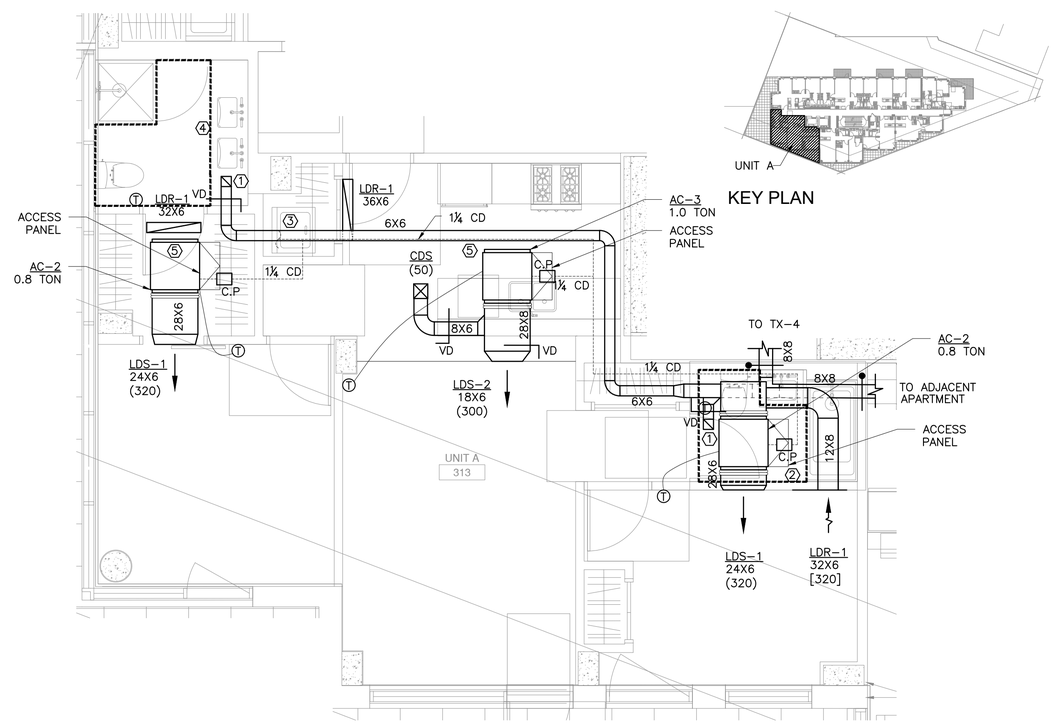
3 UNIT C
SCALE: 1/4" = 1'-0"

KEY NOTES:–

1. EG [25] FOR BATHROOM EXHAUST.
2. ELECTRIC RADIANT FLOOR HEATER 0.4 KW (FOR 3RD AND 11 TH FLOOR)
3. 1¼" CD TO NEAREST FUNNEL DRAIN W/ AIR GAP. COORDINATE W/ PLUMBING DRAWING.
4. ELECTRIC RADIANT FLOOR HEATER 0.4 KW (FOR 3RD TO 8TH FLOOR)
5. CEILING AS RETURN PLENUM



2 UNIT B
SCALE: 1/4" = 1'-0"



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

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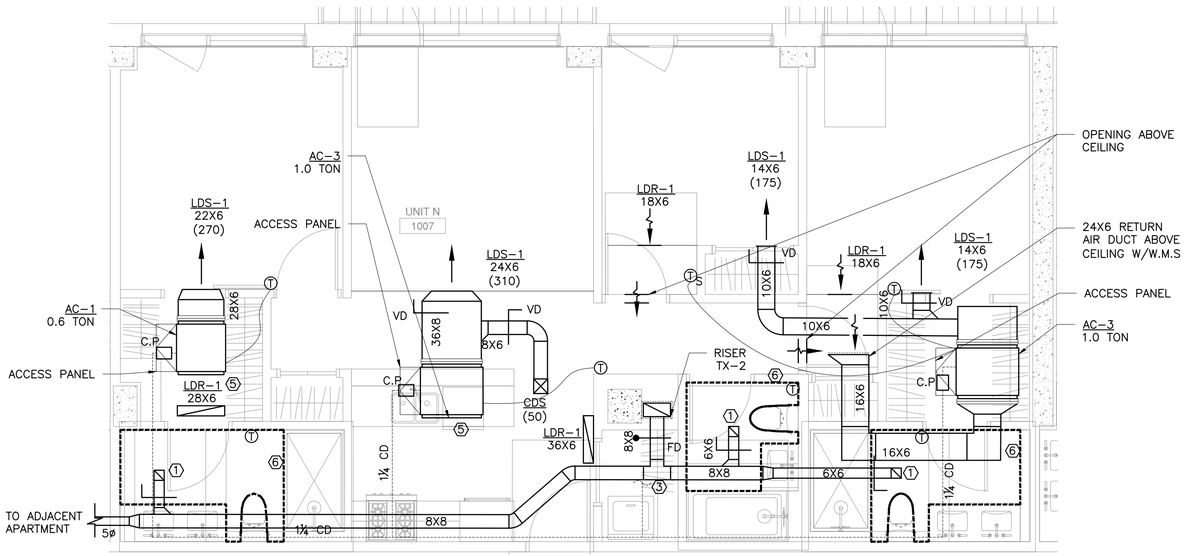
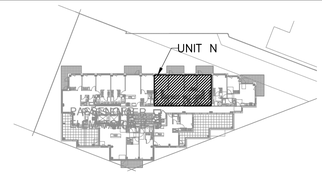
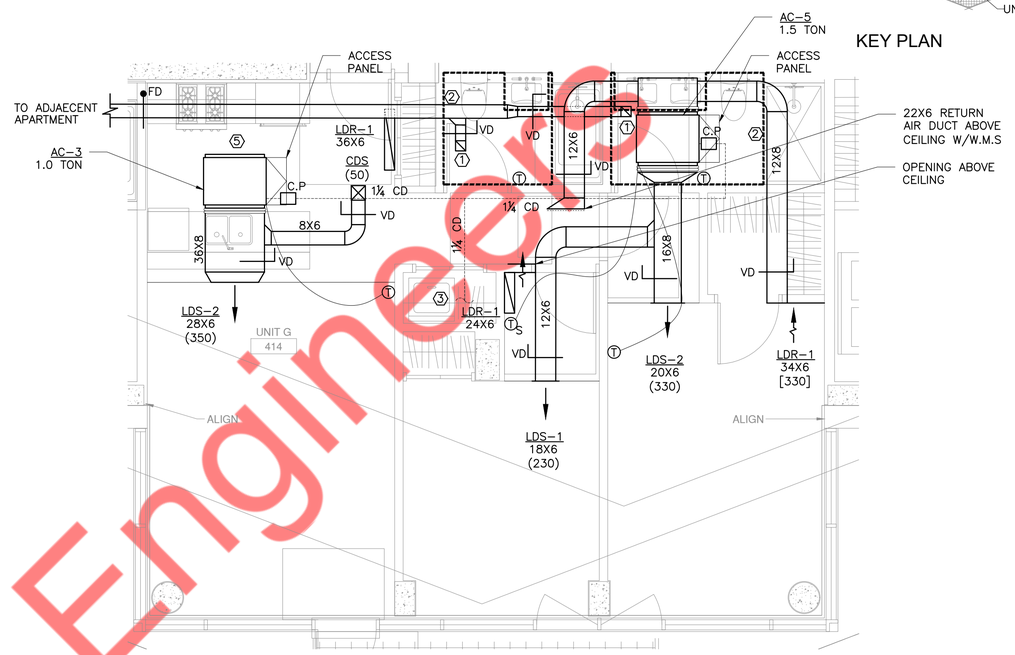
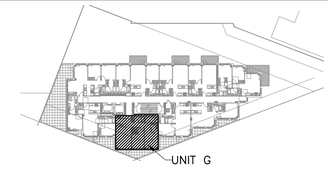




KEY PLAN

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



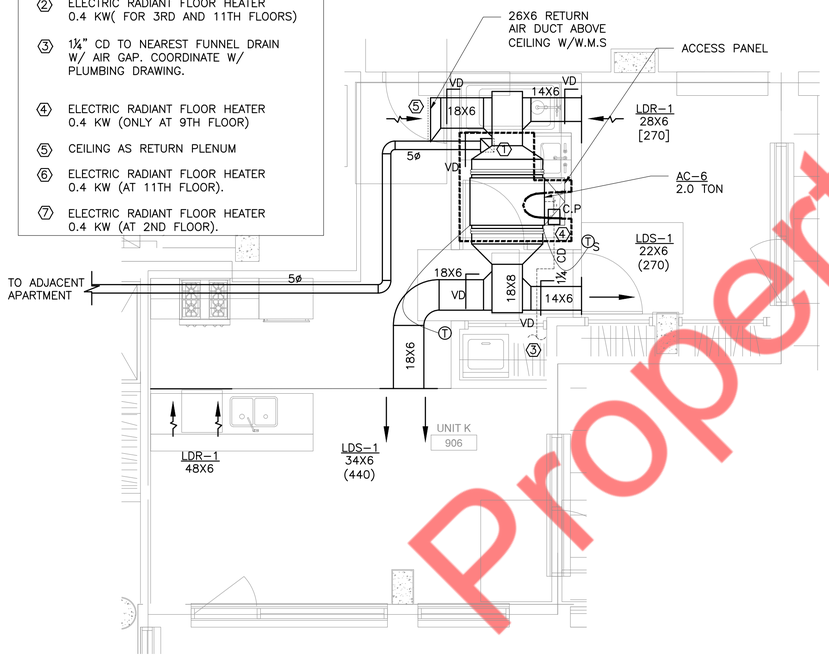


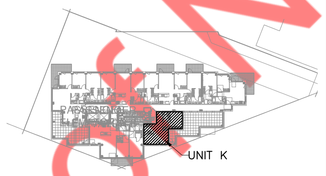
KEY PLAN

3 UNIT G
SCALE: 1/4" = 1'-0"

KEY NOTES:–

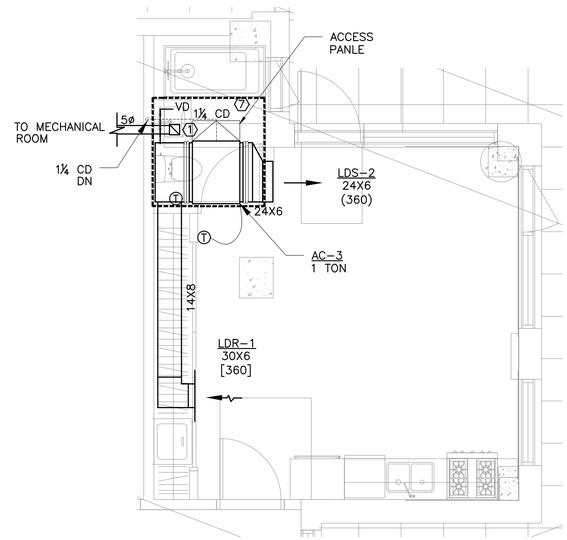
1. EG [25] FOR BATHROOM EXHAUST.
2. ELECTRIC RADIANT FLOOR HEATER 0.4 KW(FOR 3RD AND 11TH FLOORS)
3. 1¼" CD TO NEAREST FUNNEL DRAIN W/ AIR GAP. COORDINATE W/ PLUMBING DRAWING.
4. ELECTRIC RADIANT FLOOR HEATER 0.4 KW (ONLY AT 9TH FLOOR)
5. CEILING AS RETURN PLENUM
6. ELECTRIC RADIANT FLOOR HEATER 0.4 KW (AT 11TH FLOOR).
7. ELECTRIC RADIANT FLOOR HEATER 0.4 KW (AT 2ND FLOOR).

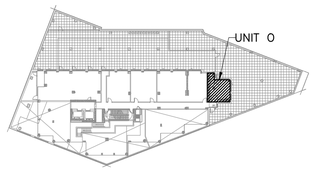




KEY PLAN

2 UNIT K
SCALE: 1/4" = 1'-0"

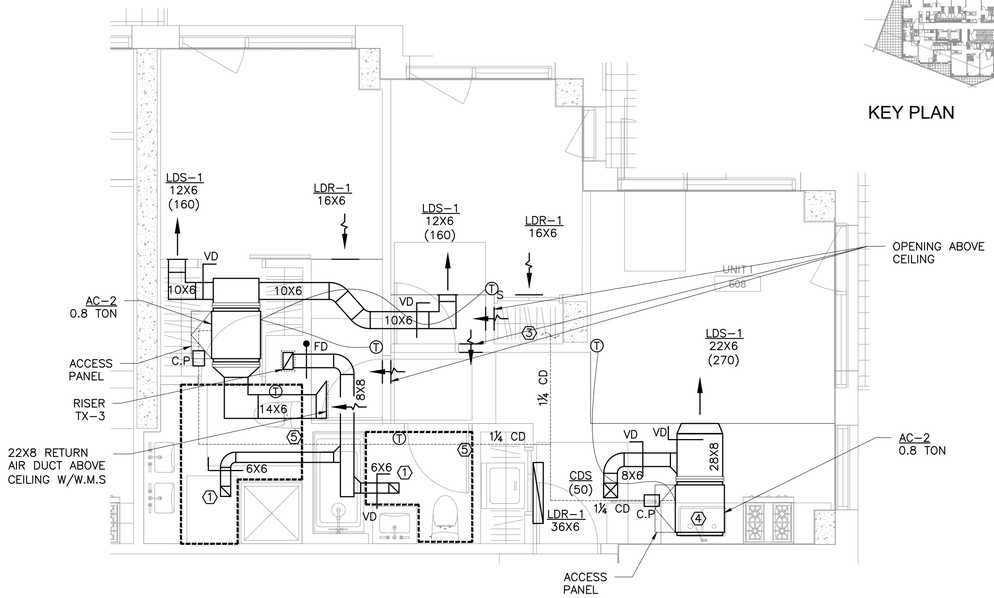


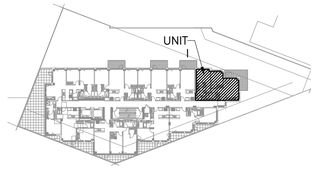


KEY PLAN

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

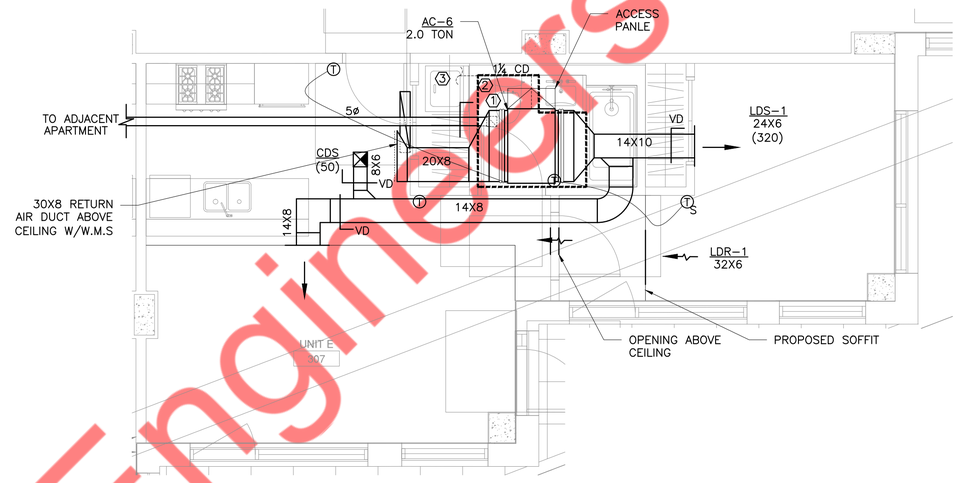
Property of NY Engineers

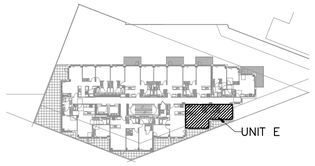




KEY PLAN

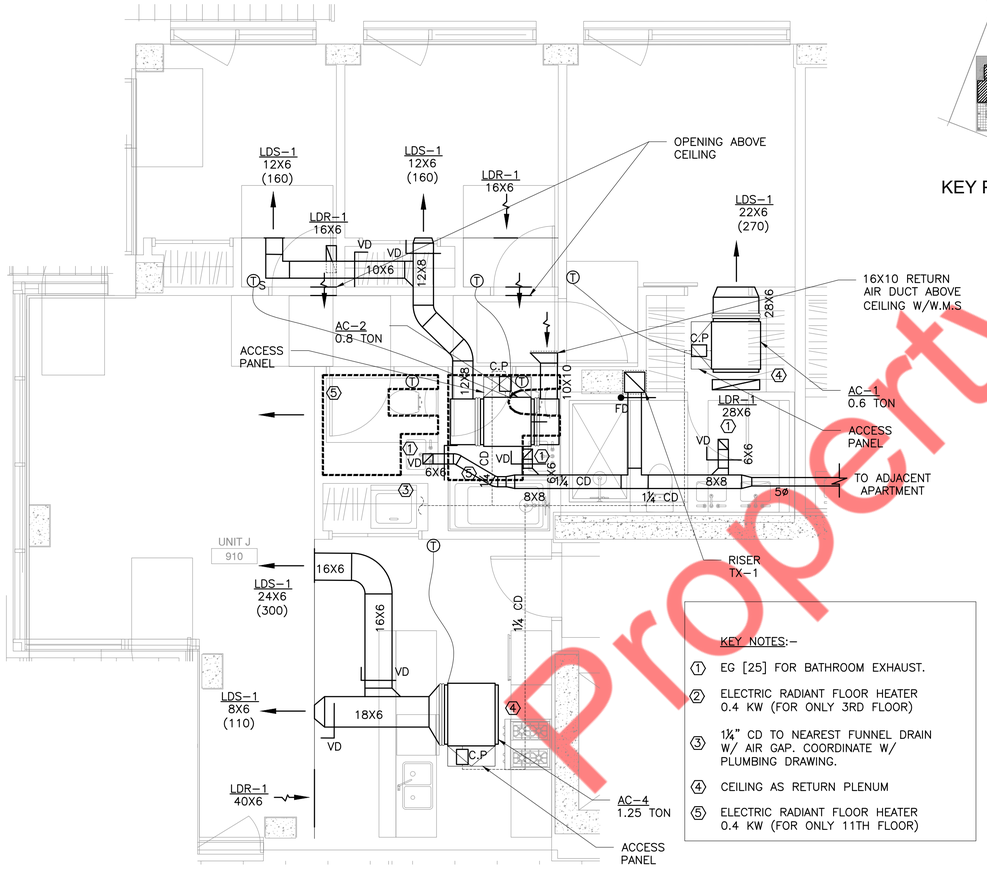
4 UNIT I
SCALE: 1/4" = 1'-0"





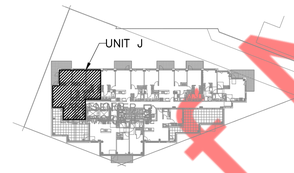
KEY PLAN

3 UNIT E
SCALE: 1/4" = 1'-0"



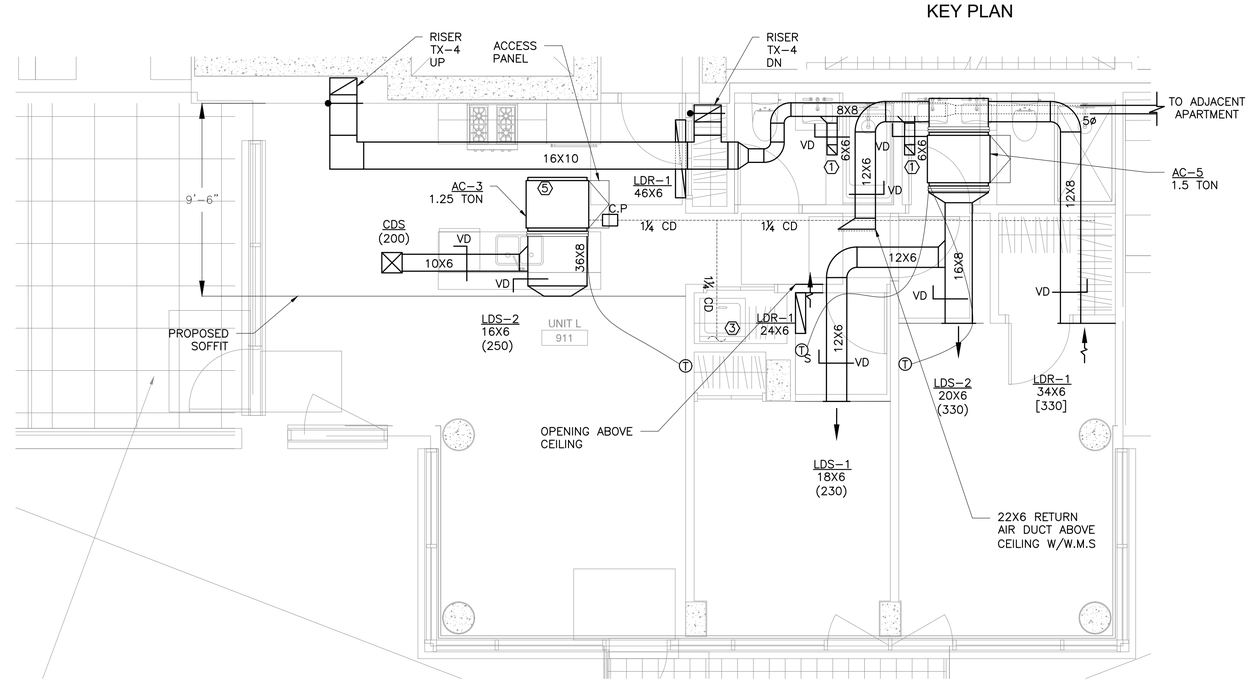
KEY NOTES:–

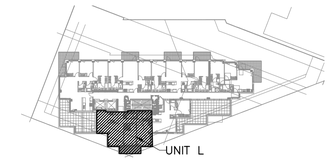
1. EG [25] FOR BATHROOM EXHAUST.
2. ELECTRIC RADIANT FLOOR HEATER 0.4 KW (FOR ONLY 3RD FLOOR)
3. 1¼" CD TO NEAREST FUNNEL DRAIN W/ AIR GAP. COORDINATE W/ PLUMBING DRAWING.
4. CEILING AS RETURN PLENUM
5. ELECTRIC RADIANT FLOOR HEATER 0.4 KW (FOR ONLY 11TH FLOOR)



KEY PLAN

2 UNIT J
SCALE: 1/4" = 1'-0"





KEY PLAN

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

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