

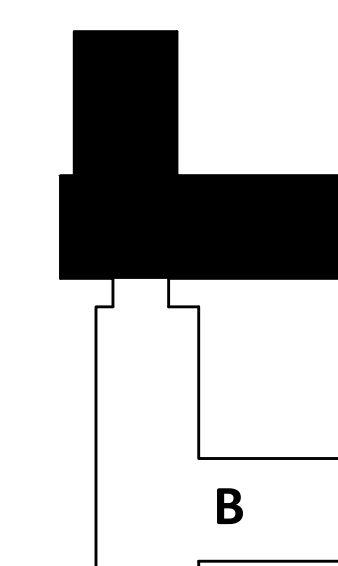


Consulting Engineers  
2007 S.E. Ash St.  
Portland, OR 97214  
PH: (503) 234-0548  
FAX: (503) 234-0577  
INC. WWW.MPIA-ENG.COM  
CONTACT: MARK DENYER

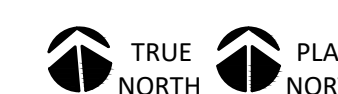
STAMP 3-15-22



REVISION NO. DATE



KEY PLAN - (INTS)



HOME FORWARD  
5000 NE 42ND  
PORTLAND, OR 97218

ISSUANCE

PERMIT SET

PROJECT NUMBER

2003

DATE

MARCH 18, 2022

SCALE

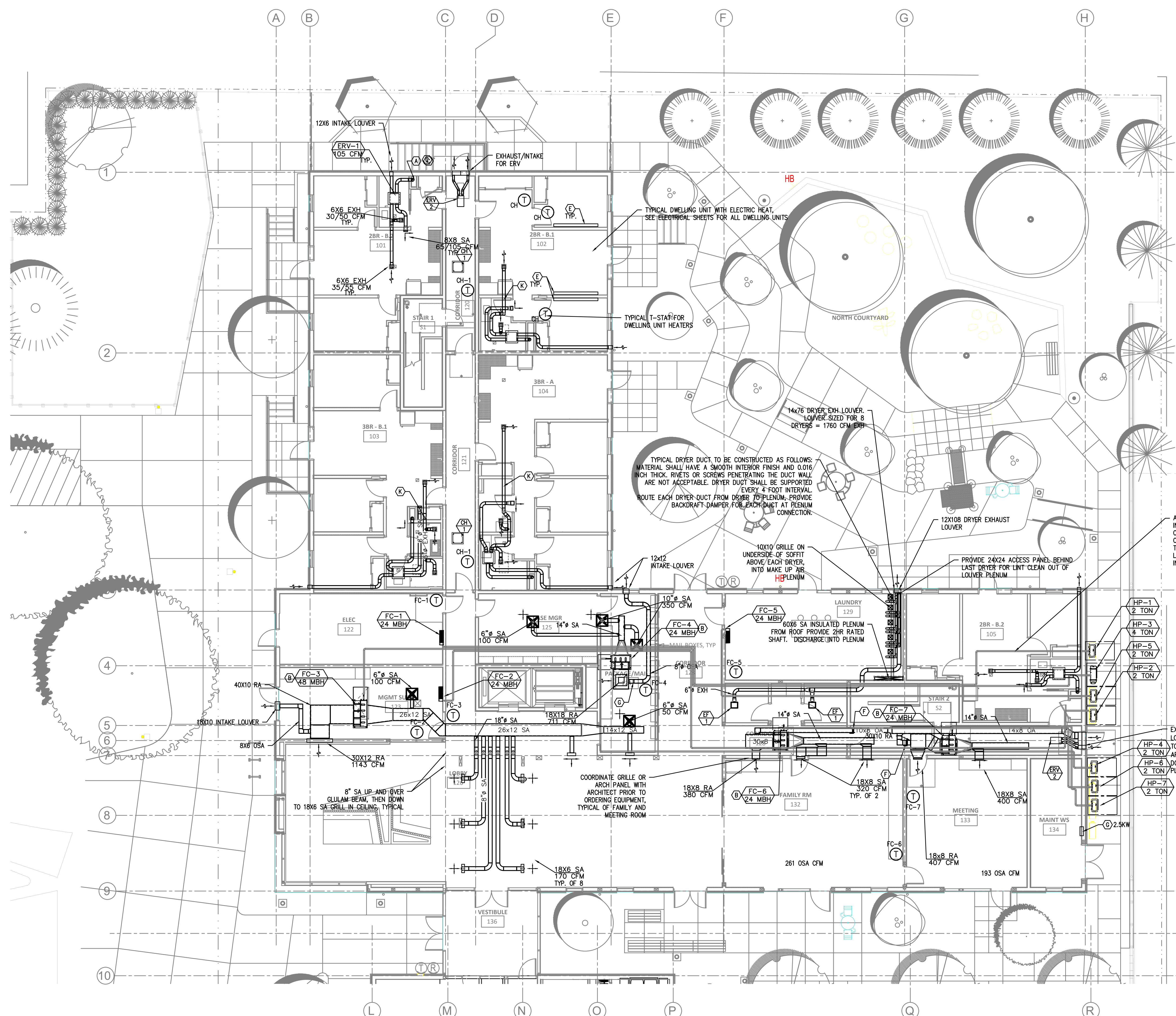
As indicated

DRAWING TITLE

LEVEL 1 BUILDING A  
MECHANICAL FLOOR  
PLAN

SHEET NUMBER

## M1.01A



### KEY NOTES:

- (A) 6" ERV EXHAUST UP TO ROOF IN RATED SHAFT.
- (B) FOR DUCTED FAN COIL DETAIL, SEE (M6.01)
- (C) FIRE PENETRATION DETAIL FOR DUCTS ENTERING RATED SHAFT, SEE (M6.02)
- (D) REFRIGERANT LINESETS FROM CONDENSERS TO FAN COILS ON 1ST FLOOR.
- (E) COVE STYLE WALL HEATERS FOR LIVING UNITS, 1400 W (118" LONG) FOR STUDIO UNITS, 1125 W (94" LONG) FOR 1&2 BEDROOM LIVING UNITS. INSTALL AT 90° ASF.
- (F) XX"Ø OUTSIDE AIR TO FAN COIL, PROVIDE WITH 2-POSITION DAMPER TO OPEN WHENEVER FAN COIL OPERATES.
- (G) X KW WALL(SEE PLANS) HEATER QMARK AWH4404F OR EQUAL. EQUIPMENT BY ELECTRICAL CONTRACTOR. SHOWN FOR REFERENCE ONLY.
- (H) 6X6 SA XX CFM
- (I) FOR SPLIT SYSTEM CONDENSING UNIT DETAIL, SEE (M6.01)
- (J) ROOFTOP DOGHOUSE FOR ERV EXH., SEE (M6.01)
- (K) DUCT UP INTO JOIST BAY, THEN DROP OUT TO SOFFIT AND ROUTE TO EXTERIOR. JOIST BAY TO BE LINED BY GC WITH SHEET ROCK TO MAINTAIN RATED ASSEMBLY.
- (L) EXH DUCT UP THROUGH FIRE RATING AND INTO ATTIC. PROVIDE WITH FIRE DAMPER AT EACH PENETRATION OF THE RATED CEILING - DUCT BETWEEN FIRE DAMPERS IN THE ATTIC TO BE INSULATED WITH R-8 INSULATION.
- (M) x by x INTAKE AND EXHAUST GRILLES FOR FUTURE TI SPACES, LOUVERS TO BE CAPPED AT INTERIOR FOR FUTURE CONNECTIONS - COORDINATE WITH SOFFIT/STORE FRONT SYSTEM. (SEE PLANS FOR SIZES, SEE ARCHITECTURAL FOR EXACT SIZES).
- (N) REFRIGERANT LINESETS FOR TI SPLIT SYSTEM HEATPUMPS.

### VENTILATION CALCULATIONS:

ALL DWELLING UNITS ARE VENTILATED BY MECHANICAL VENTILATION, ENERGY RECOVERY VENTILATORS RUN CONTINUOUSLY (SIZED PER ASHRAE 62.2).

HALLWAYS ARE VENTILATED BY ENERGY RECOVERY VENTILATORS SIZED TO MEET THE MINIMUM 0.06 CFM/SQ FT REQUIREMENT INTO EXTERIOR WALL OR WALL TO CEILING SPACE, ROUTED OVER TO CORRIDOR, THEN DOWN CORRIDOR TO EACH FAN COIL - PIPING LOCATIONS SHOWN FOR DESIGN INTENT, NOT EXACT PLACEMENT

**1** LEVEL 1 BLDG A - MECHANICAL PLAN  
SCALE: 1/8" = 1'-0"