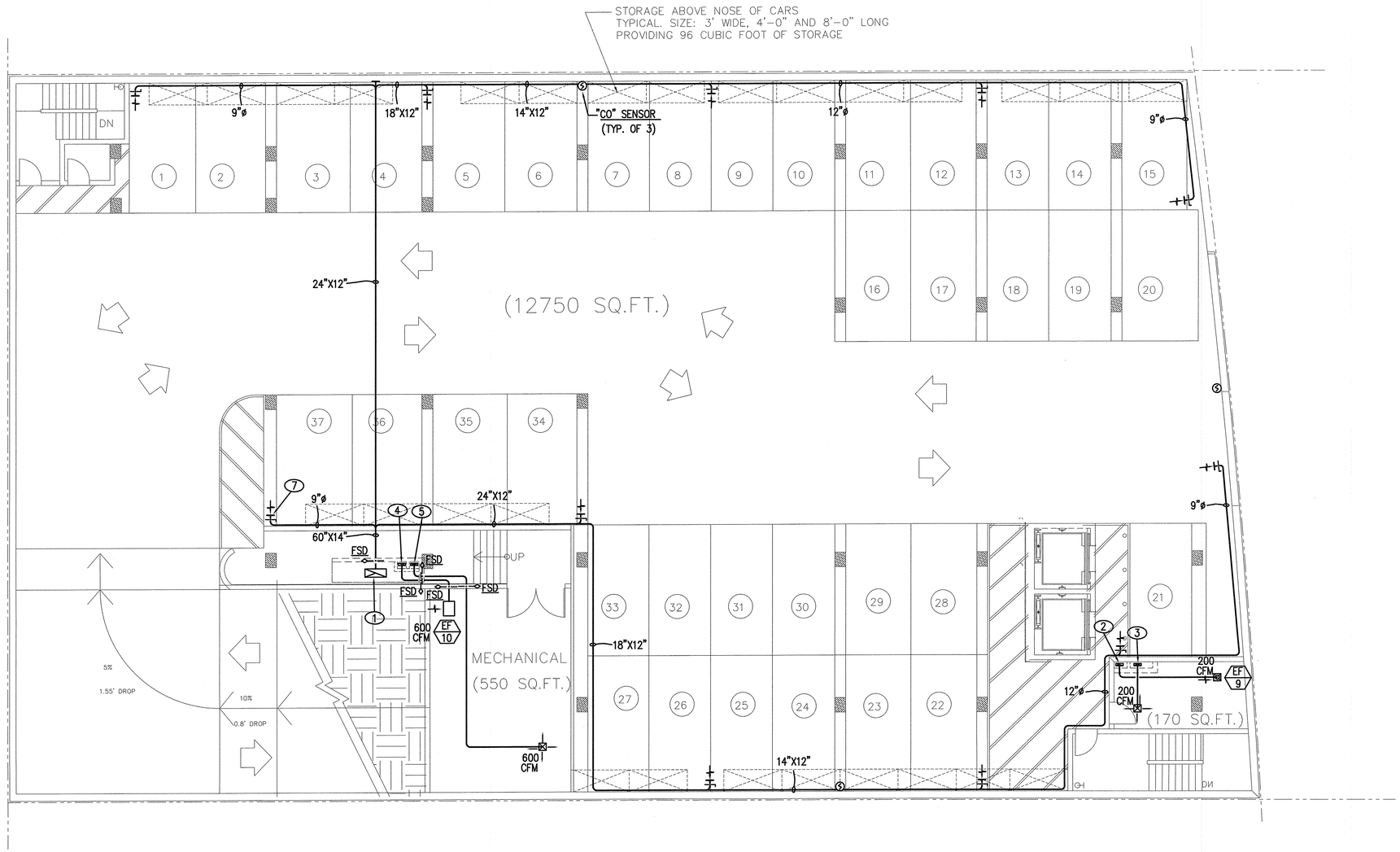

P-3 LEVEL PARKING

1/8"=1'-0"

M-5
MECH. ROOM VENTILATION (OUTSIDE AIR/EXHAUST AIR)
CALCULATION (EF-9):

1) TOTAL SQ.FT. BICYCLE/MECH ROOM = 170 S.F.
2) PER CMC 2019, TABLE 403.7,
   FOR BICYCLE ROOM AREA EXHAUST AIR RATE = 1.0 CFM/S.F.
3) TOTAL OUTSIDE AIR = 170 X 1 = 170 CFM
4) WE USE (1) 200 CFM EXHAUST FAN = 200 CFM > 170 CFM
5) EXHAUST AIR CFM = MAKE UP AIR CFM = 200 CFM
6) SO, OK !

M-5
BICYCLE/MECH. ROOM VENTILATION (OUTSIDE AIR/EXHAUST AIR)
CALCULATION (EF-10):

1) TOTAL SQ.FT. BICYCLE/MECH ROOM = 550 S.F.
2) PER CMC 2019, TABLE 403.7,
   FOR BICYCLE ROOM AREA EXHAUST AIR RATE = 1.0 CFM/S.F.
3) TOTAL OUTSIDE AIR = 550 X 1 = 550 CFM
4) WE USE (1) 600 CFM EXHAUST FAN = 600 CFM > 550 CFM
5) EXHAUST AIR CFM = MAKE UP AIR CFM = 600 CFM
6) SO, OK !

M-5
P-3 PARKING GARAGE FLOOR PLAN NUMBERED NOTES:

1. 60" X 14" EXHAUST AIR DUCT, THRU THE FIRE RATED SHAFT, UP THRU ROOF (9,570 CFM)
2. 3-1/4" X 10" EAD UP (EXHAUST AIR: 200 CFM)
3. 3-1/4" X 14" OAD UP (W/ BACKDRAFT DAMPER), OUTSIDE AIR 200 CFM MIN.
4. 16" X 6" EAD UP (EXHAUST AIR: 600 CFM)
5. 16" X 8" OAD UP (W/ BACKDRAFT DAMPER), OUTSIDE AIR 600 CFM MIN.
7. 12" X 8" DUCT GARAGE EXHAUST AIR INTAKE (W/ 1/4" GALV MESH SCREEN) W/ M.V.D. AT BELOW CEILING. EHAUST AIR 870 CFM EACH. (TYPICAL OF 11)

REGISTERED PROFESSIONAL ENGINEER
RAYMOND MENG SHONG
No. M-27635
Exp. 06-30-21
MECHANICAL
STATE OF CALIFORNIA

REVISIONS	BY

PERFECT DESIGN & INVESTMENT, INC.
Design & Consulting
Air-Conditioning, Plumbing, Fire Sprinkler System,
Electrical, Title 24 Energy Calculation.
2416 W. Valley Blvd.
Alhambra, CA 91803 Tel: (626) 289-8808
E-Mail:PERFECTAAA@aol.com Fax: (626) 289-4913
E-Mail:perfectaaa2@gmail.com

38 UNITS OF APARTMENT

1815 - 1821 S. BRAND
GLENDALE, CA.

Date	11-23-2020
Scale	
Drawn	T.L.
Job #	F20-1139
Sheet	M-5
Of	Sheets