

EXPIRES: 30JUN08

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cad File: 11–09–2007

roj No: 7831

rawn By: GH

kkd By: JLT

SGN By: GH

OREGON - PLAN

RONT AVE.

RIVERS

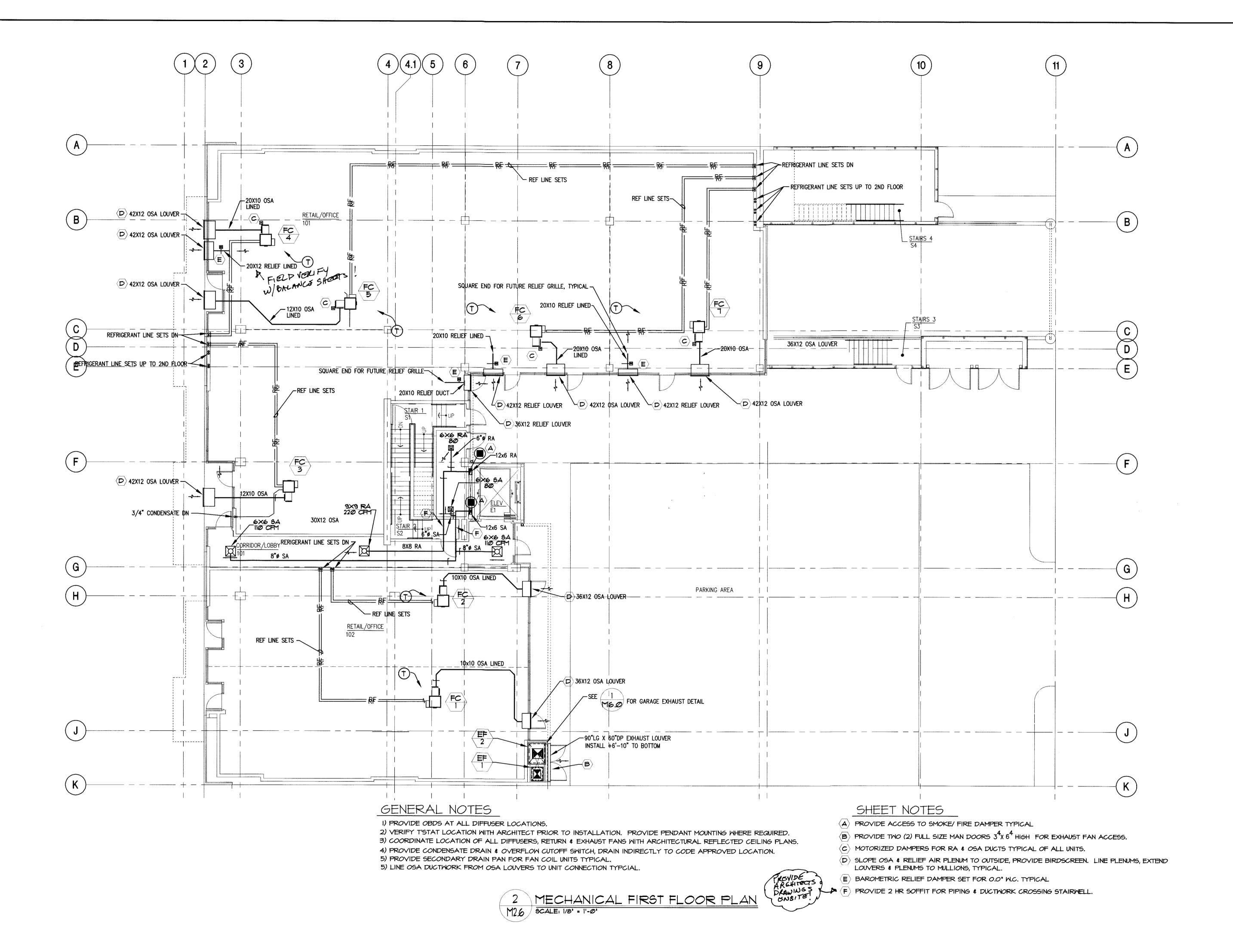
GARAGE

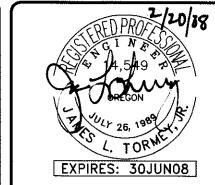
M FI

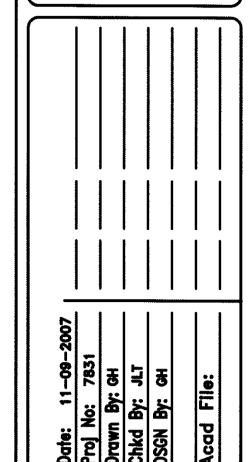
Consulting Engineers 2007 S.E. Ash St. Portland, OR 97214 PHN: (503) 234-0548 FAX: (503) 234-0677 WWW.MFIA-ENG.COM

SHEET City of Salem
Bidg. & Safety 7

APPROVED
APPROVED AS
CORRECTED



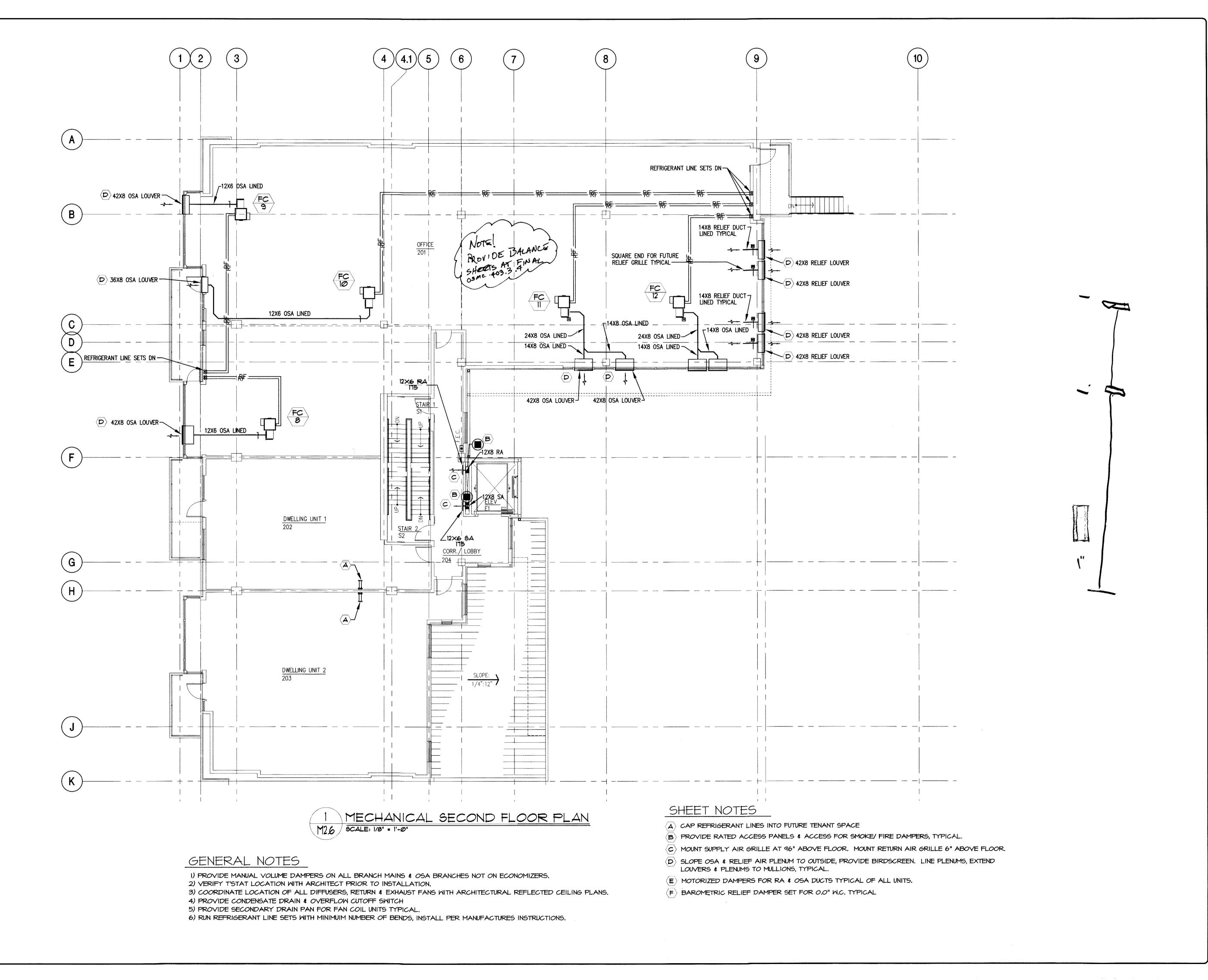




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City of Salem



1-09-2007
7831
GH
JLT
GH
GH

Date: 11–09–2007
Proj No: 7831
Drawn By: GH
Chkd By: JLT
DSGN By: GH

OREGON OREGON INICAL PLAN

156 FRONT AVE.

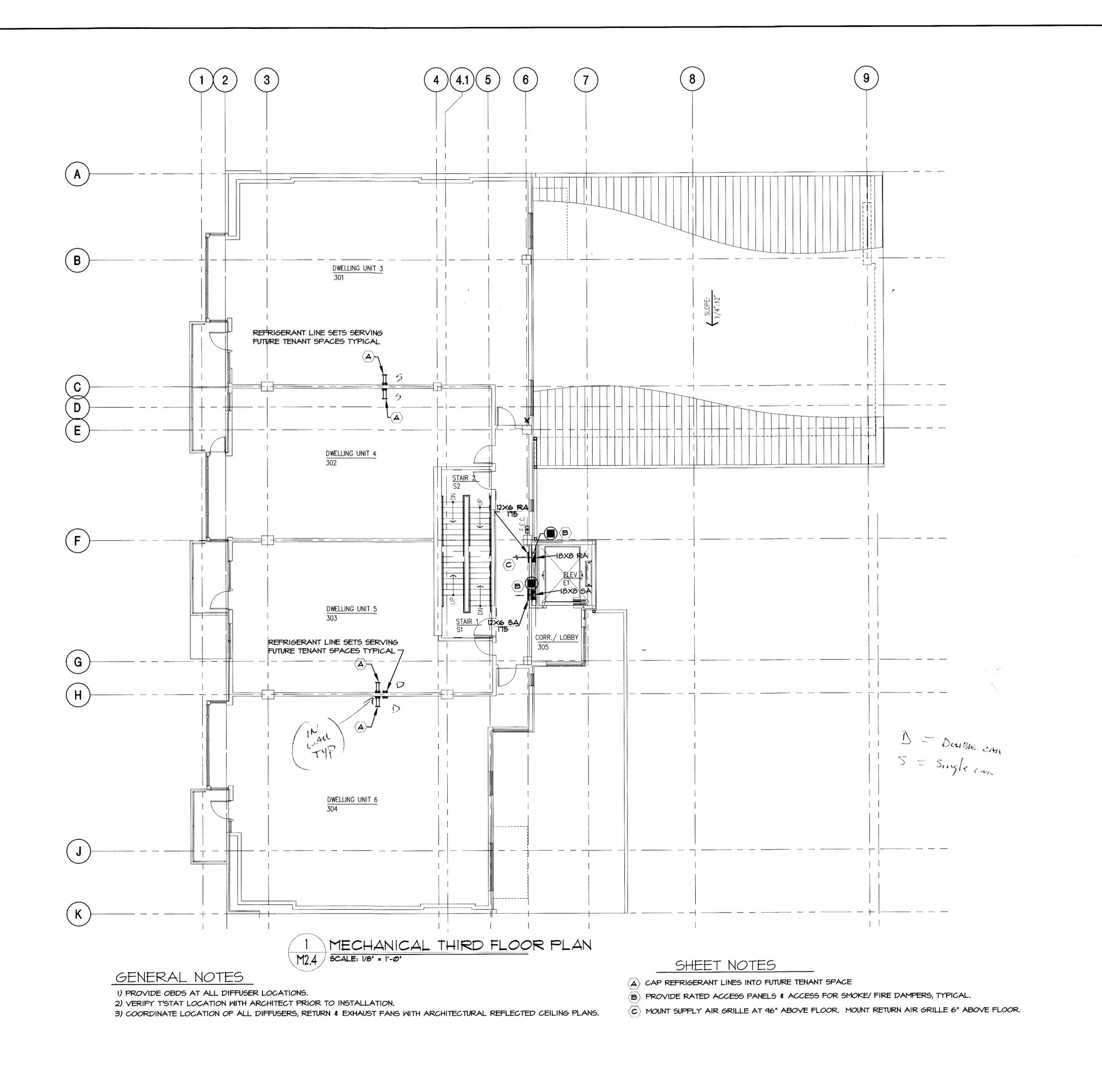
SALEM

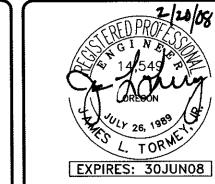
M F.I

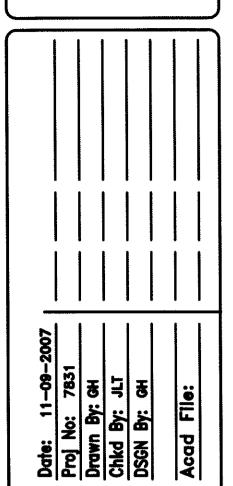
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OREGON

FRONT AVE.

SALEN SALEN THIRD FLO

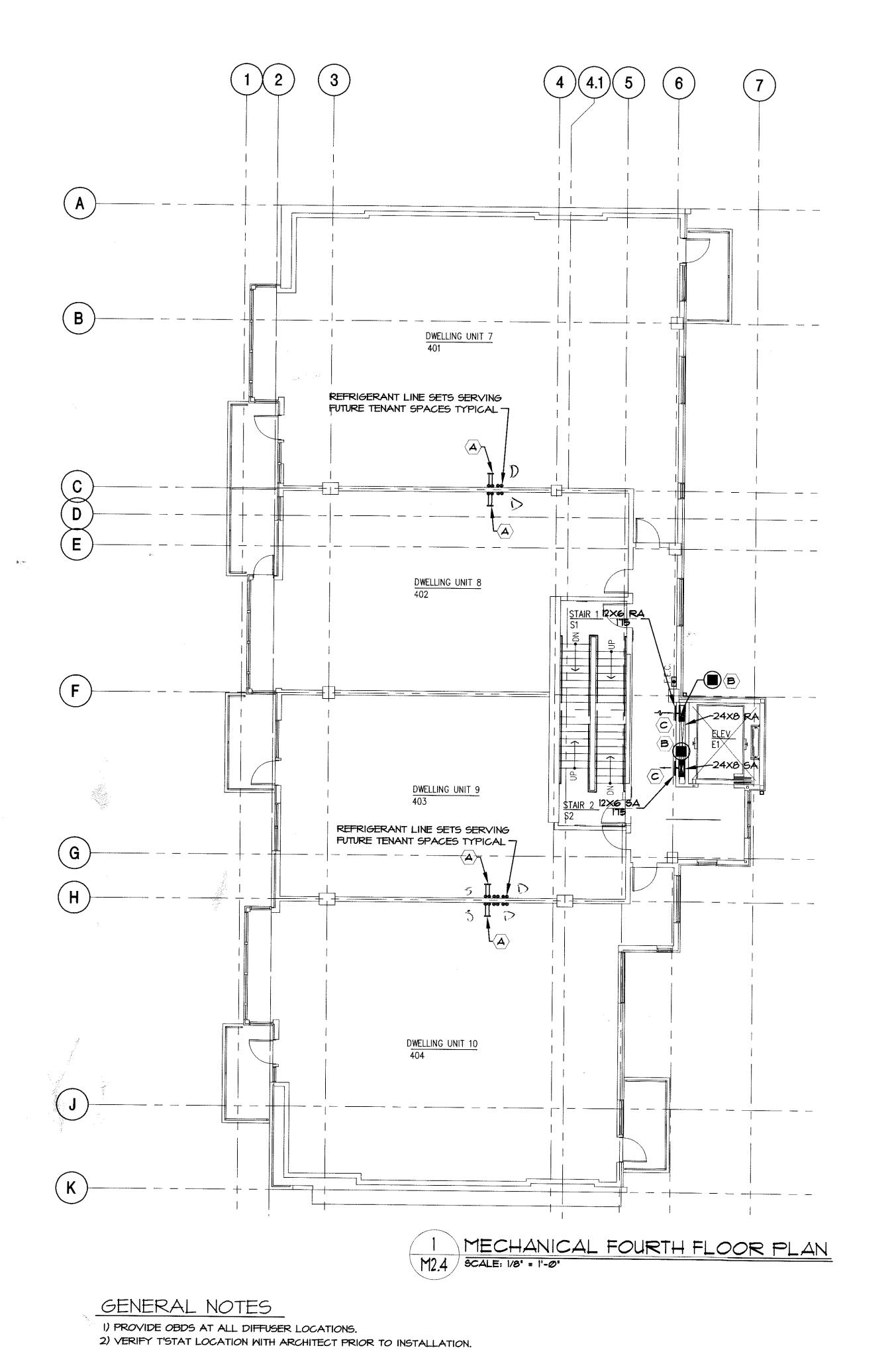
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SHEET

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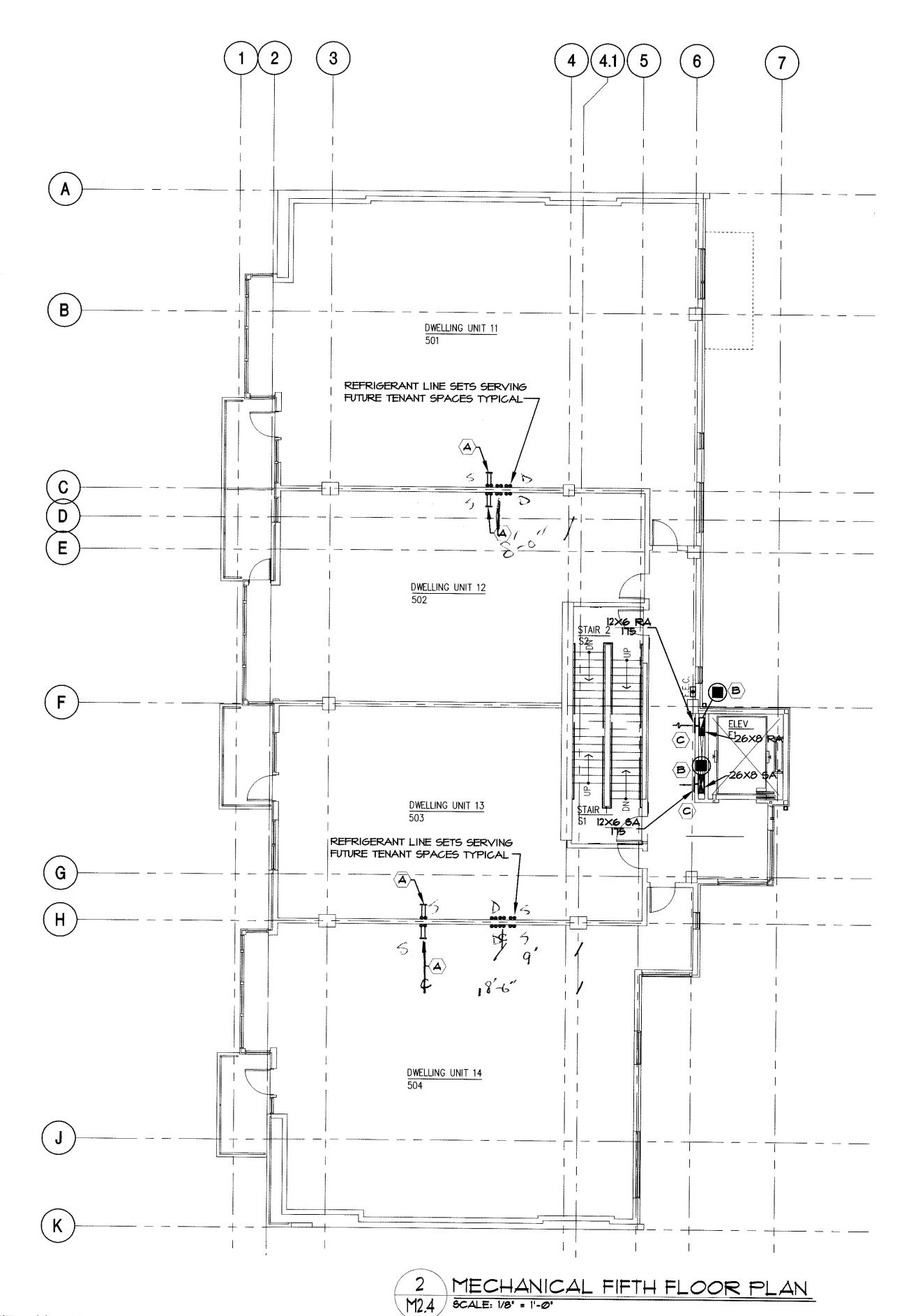
Bldg. & Safety Div.



3) COORDINATE LOCATION OF ALL DIFFUSERS, RETURN & EXHAUST FANS WITH ARCHITECTURAL REFLECTED CEILING PLANS.

SHEET NOTES

- (A) CAP REFRIGERANT LINES INTO FUTURE TENANT SPACE
- B PROVIDE RATED ACCESS PANELS & ACCESS FOR SMOKE/ FIRE DAMPERS, TYPICAL.



COND

RIVERS

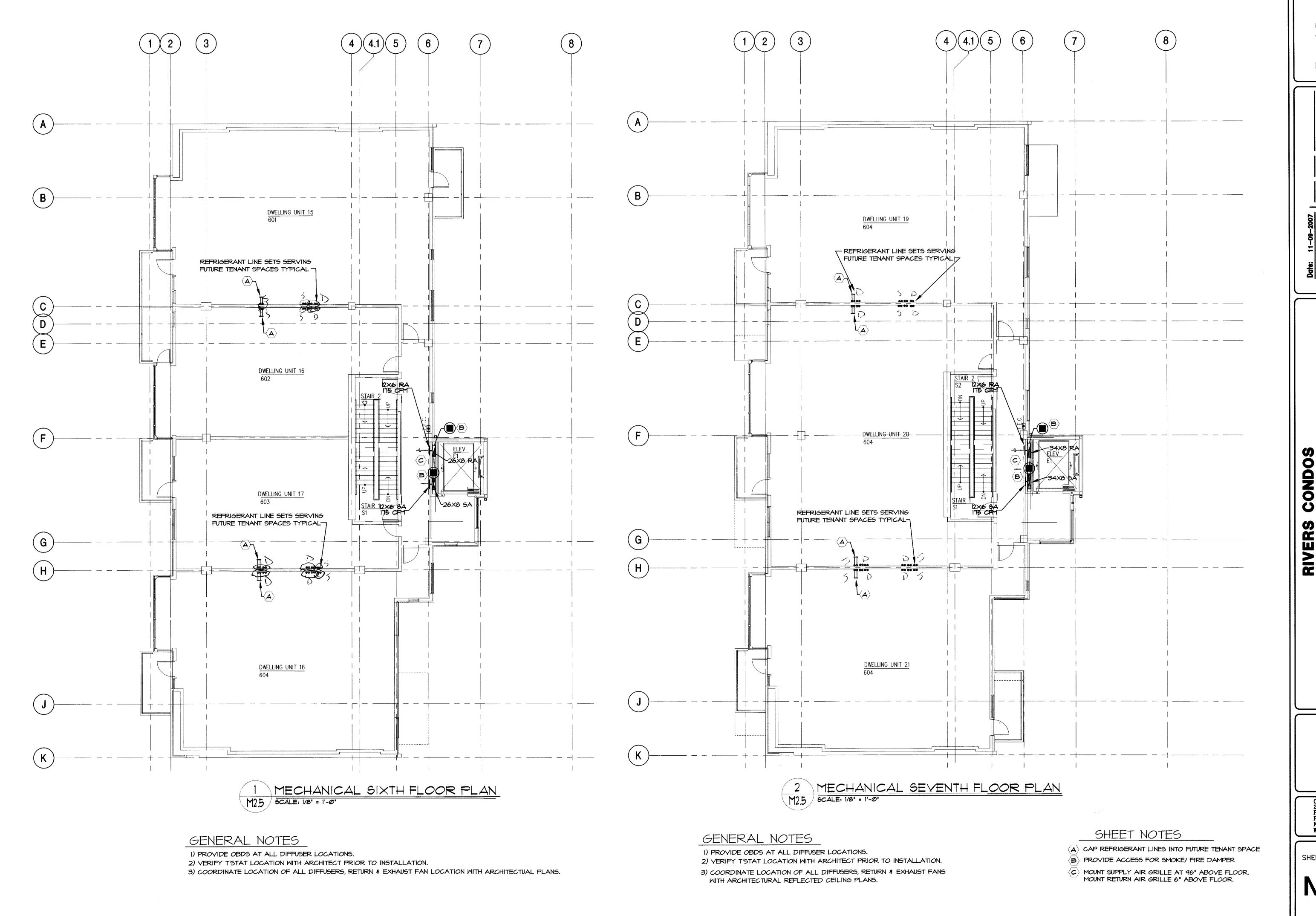
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SHEET Bldg. & Safety Di-

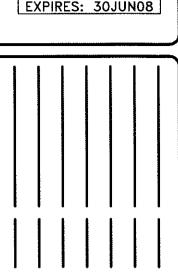
Mike 572-3567

OF ••••

C MOUNT SUPPLY AIR GRILLE AT 96" ABOVE FLOOR. MOUNT RETURN AIR GRILLE 6" ABOVE FLOOR.



TATOLITIES: 30JUN08



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OREGON

166 FRONT AVE.
ITH FLOORS MECH

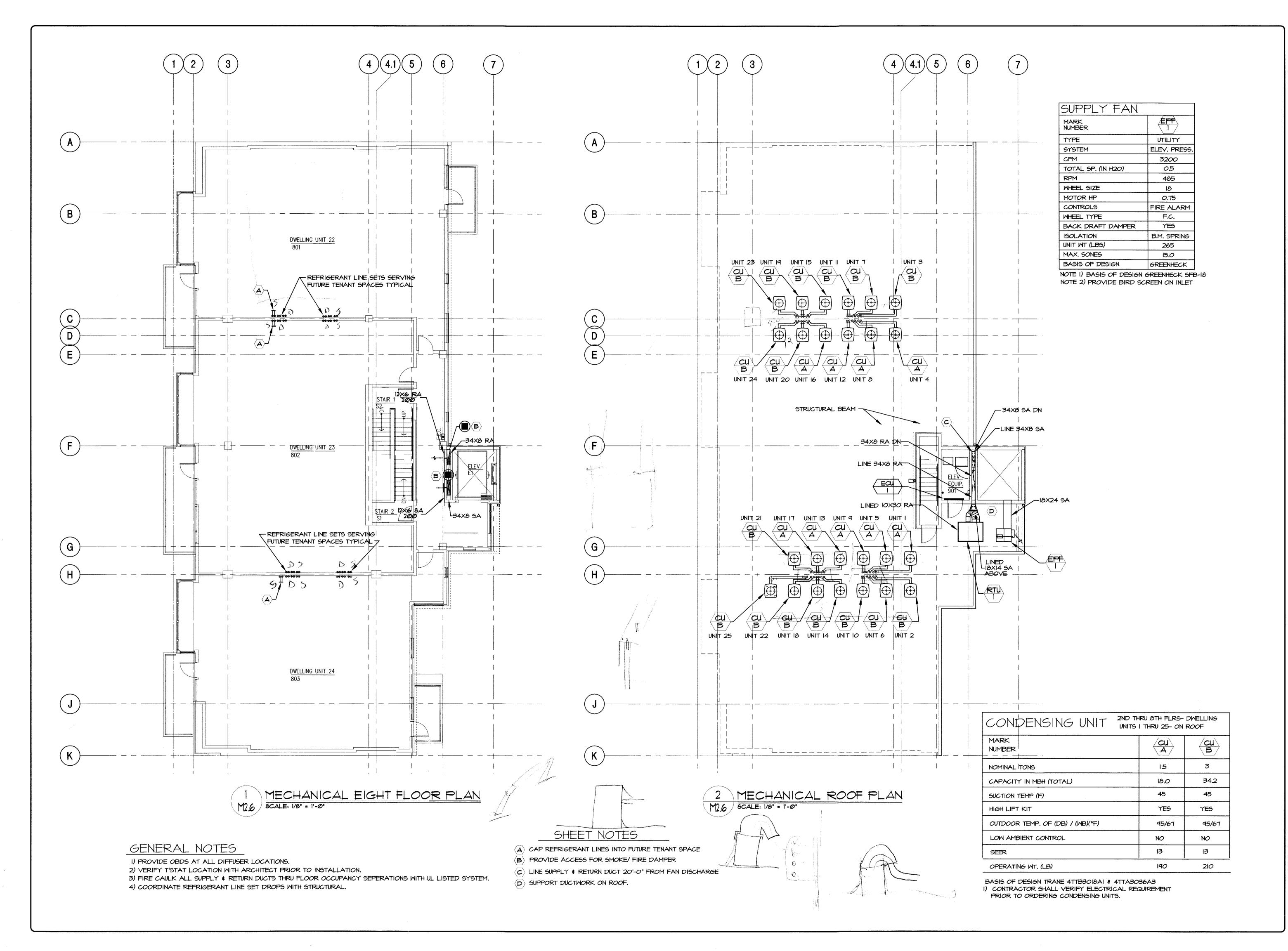
SALEM

M FAI

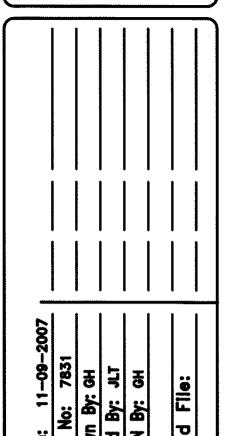


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OREGON

VERS CONDOS 156 FRONT AVE.

15(

SALEM EIGHTH FLOO

M FI INC.



SHEET

City of Salem

Bldg. & Safety Div.

/12.0

WALL MOUNTED AI	R CONDITIONER
TYPE	WALL MOUNT SPLIT SYSTEM
SYSTEM	ELEVATOR ROOM 901
INDOOR UNIT MARK NUMBER	ÉCU 1
TYPE (INDOOR UNIT)	WALL MOUNT SEE NOTE (1)
OUTDOOR UNIT MARK NUMBER	ECU IA
TYPE (OUTDOOR UNIT)	ROOF
COOLING CAPACITY	22,400
CFM (HIGH/LOW)	800
EFFICIENCY (SEER)	13.0
MAX PIPING LENGTH	100 FT.
MAX PIPING ELEV. CHANGE	30 FT.
INDOOR UNIT DESIGN WT.	25 LBS.
OUTDOOR UNIT DESIGN WT.	80 LBS.
HIGH LIFT KIT	NO
CONDENSATE PUMP	NO
LOW AMBIENT CONTROL	YES
WINTER STARTER KIT	YES
REFRIGERANT	R-4IOA

NOTE (I) PROVIDE T'STAT SET FOR 75° F.

MANUAL VOLUME DAMPER

ELECTRIC HEATER

EXHAUST FAN	5				
MARK NUMBER	GEF	GEF 2			
TYPE	IN-LINE	IN-LINE			
SYSTEM	GARAGE EXH	GARAGE EXH			
CFM	8 55 0	3100			
TOTAL SP. (IN H2O)	0.42	0.42			
RPM	480	520			
TIP SPEED (FPM)	2555	2042			
MOTOR HP	3.0	0.75			
CONTROLS	CO SENSORS	CONTINUOUS			
WHEEL TYPE	F.C.	F.C.			
BACK DRAFT DAMPER	YES	YES			
ISOLATION	INTERNAL	INTERNAL			
UNIT MT (LBS)/ CURB (LBS)	315 \$ 150	175 \$ 80			
MAX. SONES	15.0	10.2			
BASIS OF DESIGN	GREENHECK	GREENHECK			

NOTE (I) BASIS OF DESIGN GREENHECK BDF SIZE 200 & MODEL BDF SIZE 150

EH ELECTRIC WALL MOUNTED HEATER. PROVIDE BUILT-IN THERMOSTAT. PROVIDE I KM ELECTRIC HEAT.

EH ELECTRIC WALL MOUNTED HEATER.
PROVIDE BUILT-IN THERMOSTAT.
PROVIDE 500 WATT ELECTRIC HEAT.

I) SIESMICALLY SUPPORT UNIT & CURB

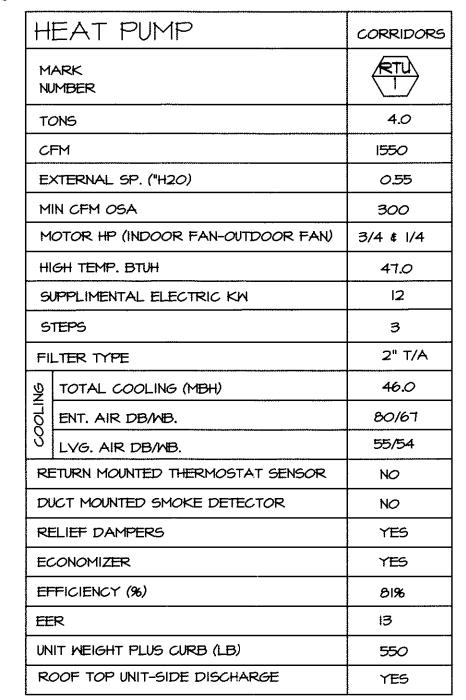
2) ROUTE CONDENSATE TO CODE APPROVED LOCATION

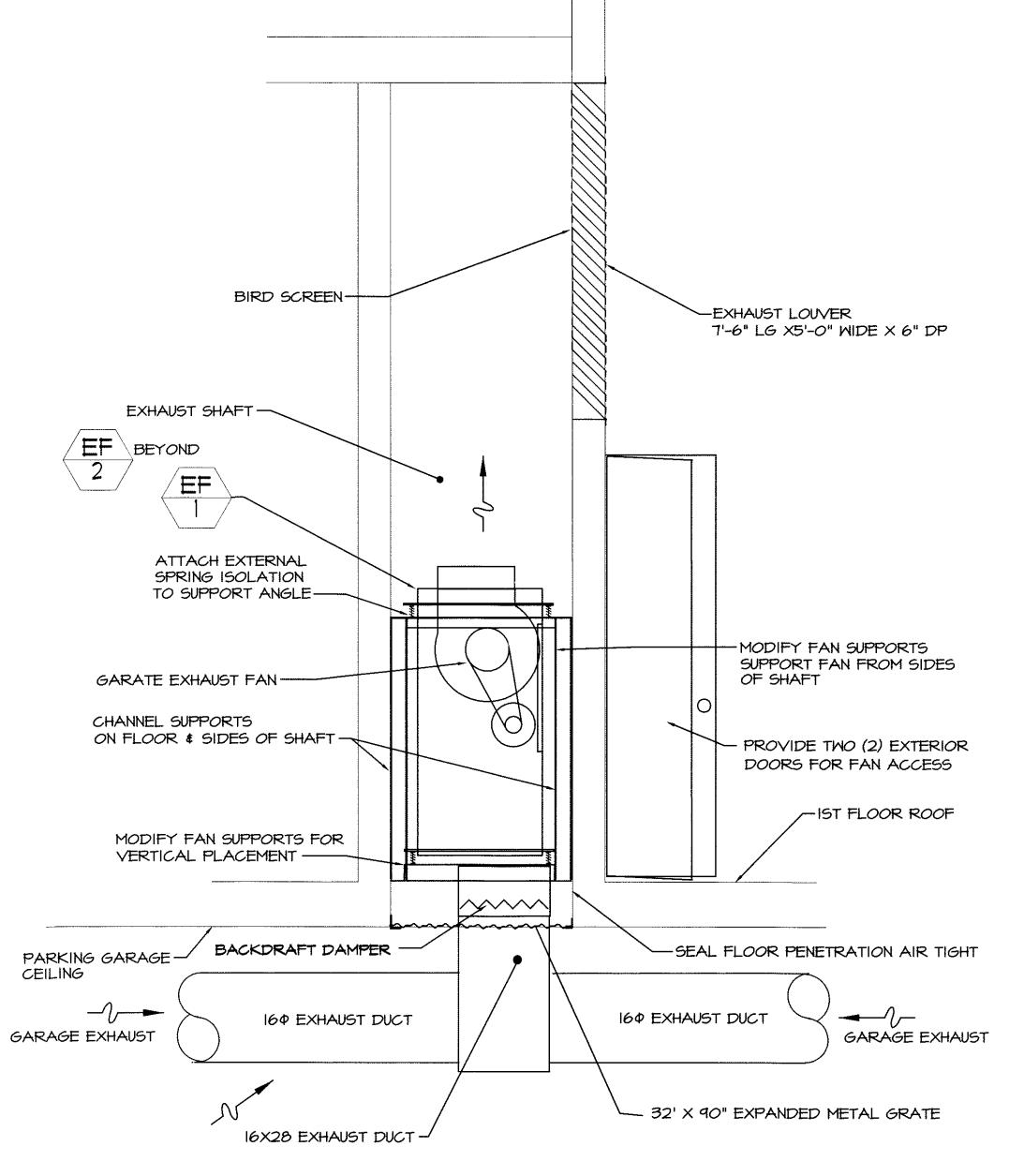
CONDENSING UNIT	SERVING IST & 2ND FLOOR											
MARK NUMBER	(CU 1	CU 2	CU 3	CU 4	Cu 5	CU	Cu	CU	Cu	Cu	Cu	CU 12
NOMINAL TONS	3	2.5	3	2.5	2.5	2.5	2.5	2.5	2.5	3	2.5	2.5
CAPACITY IN MBH (TOTAL)	34.2	34.2	34.2	29.2	29.2	29.2	29.2	29.2	29.2	34.2	29.2	34.2
SUCTION TEMP (F)	45	45	45	45	45	45	45	45	45	45	45	4 5
OUTDOOR TEMP. OF (DB) / (WB)(°F)	95	4 5	95	95	45	4 5	4 5	4 5	45	45	45	95
HIGH LIFT KIT	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
LOW AMBIENT CONTROL	NO	NO NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
SEER	13	13	13	13	13	13	13	13	13	13	13	13
OPERATING MT. (LB)	210	210	210	195	195	145	195	195	195	210	195	195

I) CONTRACTOR SHALL VERIFY ELECTRICAL REQUIREMENT PRIOR TO ORDERING CONDENSING UNITS.

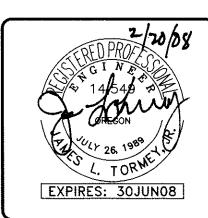
FAN COIL UNITS SERVING IST & 2ND FLOOR												
MARK NUMBER	FC	FC 2	FC 3	FC 4	FC 5	FC 6	FC T	FC	FC 9	FC 10	(FC)	(FC)
TYPE	HORIZONTAL	HORIZON AL	HORIZONTAL	HORIZONTAL	HORIZONTAL	HORIZONTAL	HORIZONTAL	VERTICAL	VERTICAL	VERTICAL	VERTICAL	VERTICAL
CFM	1200	1000	1200	925	1050	1000	950	1050	925	1200	95 0	1000
EXTERNAL SP. ("H2O)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
MIN CFM OSA	375	375	335	125	425	335	335	170	170	225	180	200
ECONOMIZER	NO	NO NO	NO	YES	YES	YES	YE5	NO	NO	NO	YES	YES
MOTOR HP	1/2	1/2	1/2	1/3	1/3	1/3	1/3	1/3	1/3	1/2	1/3	1/3
ELECTRIC HEAT (KW)	7	5.5	7	4.5	5.0	5.5	7	5.0	4.5	5.5	7.0	7.0
STEPS	3	3	3	3	3	3	3	3	3	3	3	3
FILTER TYPE	1"- 20%	l"-2 <i>0</i> %	l"-2 <i>0</i> %	l"-2 <i>0</i> %	1"-20%	l"-2 <i>0</i> %	l"- 20%	l"-2 <i>0</i> %	l"- 20%	1"-20%	1"-20%	1"-20%
TRANE 2/4TEH3F SERIES (CONVERT. H OR V)	36B	36B	36B	30B	30B	30B	30B	30B	30B	36B	30B	30B
ENT. AIR DB/MB. (°F)	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67
LVG. AIR DB/MB. (°F)	55/54	55/54	55/54	55/54	55/54	55/54	55/54	55/54	55/54	55/54	55/54	55/54
AFUE	43	43	93	43	43	43	43	43	43	93	93	43
UNIT MT (LB)	290	290	290	285	285	285	285	285	285	290	285	285

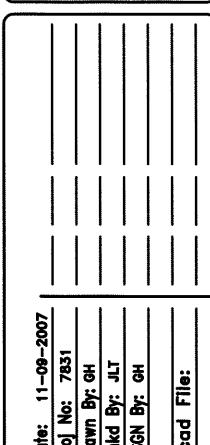
1) DRAIN 3/4" CONDENSATE DRAIN & OVER FLOW DRAIN INDIRECTLY, TO APPROVED LOCATION.
2) CONTRACTOR SHALL VERIFY ELECTRICAL REQUIREMENT PRIOR TO ORDERING FAN COIL UNITS.





1 SHAFT MOUNTED GARAGE EXHAUST FANS





OREGON

HEDNLE

SC

AND

DETAIL

RIVERS CONDOS

156 FRONT AVE.





City of Salem
SHEET
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