- E. REFER TO THE MECHANICAL SPECIFICATIONS FOR MATERIALS, EQUIPMENT, AND ADDITIONAL CONSTRUCTION
- INSTRUCTIONS NOT COVERED BY THESE PLANS. F. ALL INSTALLATIONS SHALL COMPLY WITH APPLICABLE FEDERAL AND STATE CODES INCLUDING, 2019 OREGON STRUCTURAL SPECIALTY CODE (OSSC) INCLUDING APPENDIX N FOR OREGON FIRE CODE REGULATIONS, 2021 OREGON PLUMBING SPECIALTY CODE (OPSC), 2019 OREGON MECHANICAL SPECIALTY CODE (OMSC), 2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC)-BASED ON ASHRAE 90.1-2019, AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). WHERE TWO CODES DIFFER THE MORE
- G. OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES HAVING JURISDICTION. SUBMIT ALL CERTIFICATES PRIOR TO ACCEPTANCE.

STRICT OF THE TWO SHALL BE FOLLOWED.

DAMPERS WHERE THESE ARE INDICATED.

WORKPOD

TOTAL

- H. COORDINATE ALL MECHANICAL AND CONTROL WORK WITH GENERAL CONTRACTOR, CONTROL CONTRACTOR, ELECTRICAL AND ARCHITECTURAL. COORDINATE OTHER TRADES FOR PATCH/REPAIR OF WALLS WHERE EXISTING SENSORS ARE REMOVED OR
- J. PATCH & REPAIR WALLS / FLOORS / CEILING WHERE OLD DUCTWORK/PIPES HAVE BEEN REMOVED TO MATCH EXISTING FINISHES. K. COORDINATE WITH OTHER CRAFTS AS REQUIRED TO COMPLETE WORK IN ACCORDANCE WITH
- CONSTRUCTION SCHEDULE. PROVIDE OWNER INSTRUCTION BY QUALIFIED PERSONNEL ON EQUIPMENT AND SYSTEMS AT OWNER'S
- M. ALL DUCTWORK SHALL BE GALVANIZED STEEL, UNLESS OTHERWISE INDICATED, CONFORMING TO LATEST
- SMACNA, ASHRAE, OMSC, NFPA, AND UL STANDARDS. N. MANUFACTURERS AND MODEL NUMBERS LISTED IN THE EQUIPMENT SCHEDULES ARE THE BASIS OF
- O. CUT WALLS FOR PROPER EQUIPMENT, DUCT OR PIPE INSTALLATION. FILL HOLES WHICH ARE CUT OVERSIZED FOR A TIGHT FIT AROUND OBJECTS PASSING THROUGH.
- P. PROVIDE UL LISTED FIRESTOP SYSTEM TO MAINTAIN THE CODE REQUIRED F AND T RATING OF THE CONSTRUCTION ASSEMBLY AT A DUCT/PIPE PENETRATION THROUGH A RATED BUILDING CONSTRUCTION.
- R. CONTROLS AND WIRING SHALL MEET ALL ELECTRICAL REQUIREMENTS OF APPLICABLE ELECTRICAL SPECIFICATIONS AND REQUIREMENTS OF OWNER, BUILDING OFFICIALS AND EQUIPMENT SUPPLIERS OF EQUIPMENT INSTALLED ON PROJECT.

Q. INSTALL LABELS ON ALL MECHANICAL EQUIPMENT. SEE SPECIFICATIONS FOR CRITERIA.

- ELECTRIC MOTORS SHALL HAVE BUILT—IN THERMAL OVERLOAD PROTECTION OR BE PROTECTED EXTERNALLY WITH SEPARATE THERMAL OVERLOAD DEVICES, WITH LOW-VOLTAGE RELEASE OR LOCK OUT
- T. ALL NEW EQUIPMENT, PIPING, CONDUIT, AND DUCTWORK SHALL BE INSTALLED PER CURRENT SEISMIC CODE REQUIREMENTS.

U. PROVIDE LOW LEAK AUTOMATIC DAMPERS ON OUTSIDE AIR, EXHAUST AIR AND RELIEF AIR CONTROL

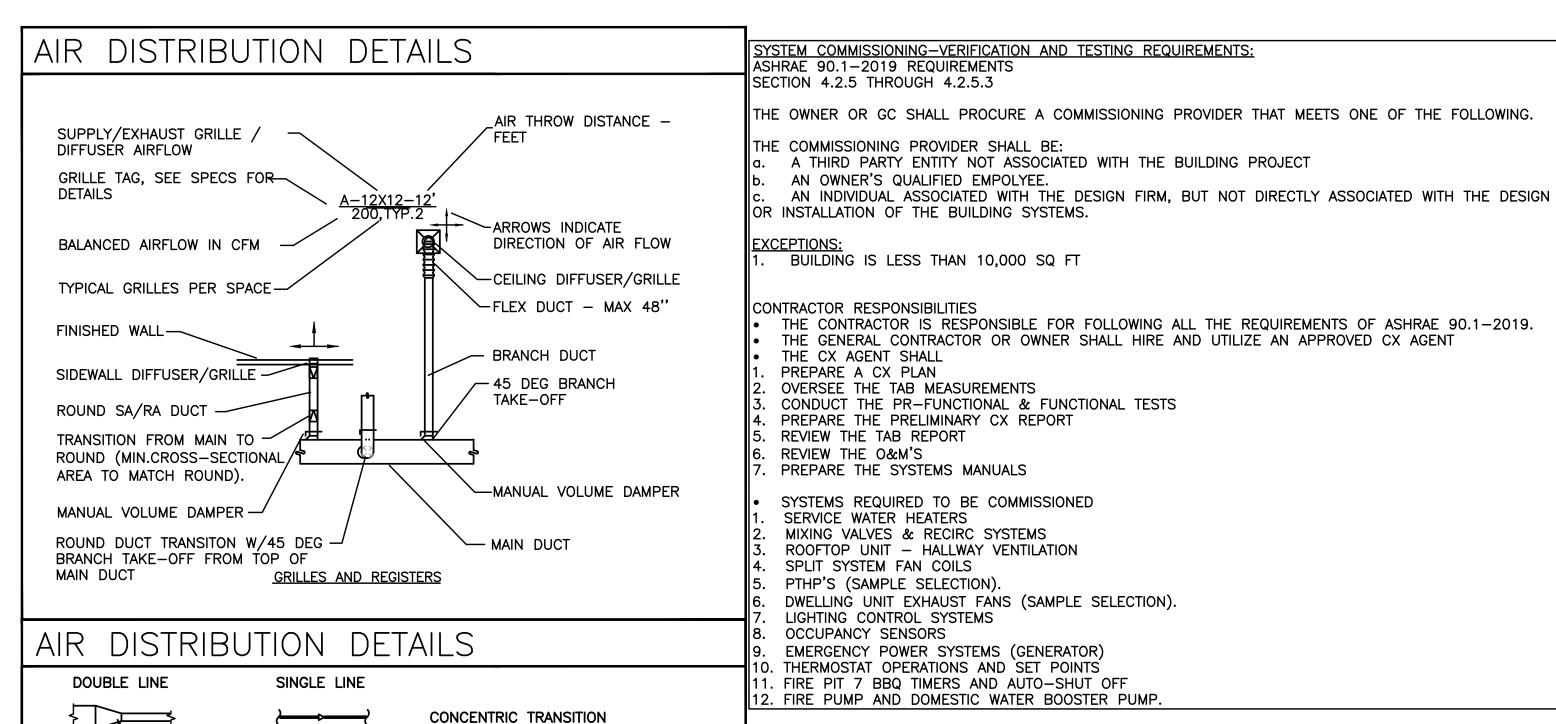
VENTILATION AIR SCHEDULE - LEVEL 1 ROOM NUMBER AREA (SQ. FT.) OCCUPANT NUMBER OF OUTSIDE AIR OUTSIDE AIR OUTSIDE AIR ZONE SUPPLY PRIMARY RETURN EXHAUST Zone OCCUPANTS REQUIREMENT REQUIREMENT REQUIRED (CFM) LOAD OSA AIR (CFM) OSA AIR (CFM) AIR (CFM) Ventilation OSA SYSTEMS AND NAME (#/1000 SQ. FT.) (CFM/P) (CFM/SQ FT.) Efficiency CFM ELEV. LOBBY LOBBY/AMENITY 0.14 84.06 0.96 0.29 100 BIKE PARKING 0.76 0.49 FC-1 COWORKING 0.12 WORKPOD 0.22 WORKPOD 0.22 1.03 22.53 FC-1

8.0

CORRECTED TOTAL OUTDOOR AIR FLOW RATE 643

313

0.22



SQUARE TO ROUND TRANSITION

FLEXIBLE DUCT 4 FT. MAX

SMOOTH RADIUS OFFSET

NO VANES R/W = 1.0

SMOOTH RADIUS OFFSET

NO VANES, R/W = 1.0

ROUND OR RECTANGULAR DUCT

WITH CONNICAL FITTING

SHEET METAL DUCTWORK SIZE AS SHOWN. FIRST DIMENSION IS SIDE SEEN.

DUCTWORK. DUCT SIZES

90 DEG TAKE OFF WITH

SPLITTER DAMPER

BELLMOUTH FITTING

1.03

CFM Corrected OSA Fraction Zs =

22.53

0.53

45 DEGREES LATERAL FITTING

ON PLANS SHOW NET INSIDE DUCT DIMENSIONS.

INTERNALLY LINED

DUCT CROSSING

MITER TEE

DUCT CAP

RADIUS ELBOW

MITER TEE

- W1+W2 ├

R=1.0D

MECHANICAL SHEET INDEX

MO.01 MECHANICAL LEGENDS & SCHEDULES M2.01 BUILDING 1 - LEVEL 1 - MECH PLAN

BUILDING 1 - LEVEL 5 - MECH PLAN M2.06 BUILDING 1 - ATTIC - MECH PLAN

M6.01 MECHANICAL DETAILS

M6.02 MECHANICAL DETAILS

BUILDING 1 - LEVEL 2 - MECH PLAN BUILDING 1 - LEVEL 3 - MECH PLAN BUILDING 1 - LEVEL 4 - MECH PLAN

M2.07 BUILDING 1 - ROOF - MECH PLAN

A. Ductwork: Insulate the following:

3.2 DUCTWORK INSULATION

1. All supply and return ductwork in systems routed in unconditioned spaces or exposed to the outside conditions. 2. All outside air intake ducts.

3. All ductwork required to be insulated by code. 4. The last 5' of duct work connected to a louver or exhaust termination.

4. Ducts located within or below concrete slabs on grade, R-4.

B. Insulation Thickness: Select board and blanket insulation of thickness required to provide the following installed R-value. 1. All heating or cooling system supply and return ducts located on the exterior of the insulated building envelope, including ventilated attics, and all outside air intake ducts, R-8.

2. All heating and cooling system supply and return ducts located in unconditioned spaces within the building insulation envelope, 3. All heating and cooling system supply ducts located in conditioned spaces and where exposed in unfinished spaces or concealed

C. Fittings: Install with wire, straps, and duct adhesive as required. To prevent sagging on all rectangular or square ducts over 24" wide, install Gramweld or equal welding pins on the bottom. Maximum spacing 18" on center in both directions.

from view in finished spaces, R-3.3. Exposed ductwork in finished spaces shall not be externally insulated.

D. Installation: Applied with butt joints, all seams sealed with vapor seal mastic or taped with 2" wide vapor-proof, pressure-sensitive tape. Seal all penetrations with vapor barrier adhesive.

E. Internally Lined Ductwork: Where internally lined ductwork is indicated on the Drawings and/or specified, no exterior insulation is required. Select duct lining to provide the required R-value. Carefully lap the ends of the exterior insulation a minimum of 6" past the interior insulation unless otherwise shown. Seal the end of vapor barrier jacket to the duct with mastic where the vapor barrier is

E.1. Line Supply and Return ducts for 10' on intake and discharge of fan. E.2. Line Supply ducts routed in vertical shafts directly below RTUs

EXHAUST FANS									
MARK NUMBER	(EF)	EF 2	EF 3	EF 4	EF 5	EF 6	EF 7	EF 8	TF 1
TYPE	CEILING CABINET	ROOF DIRECT DRIVE	CEILING CABINET						
SYSTEM	STUDIO	RESTROOM	JANITOR	DOG WASH	BIKE	1ST FLOOR TRASH	TRASH VESTIBULE	TRASH CHUTE	CORRIDOR
CFM	30/80	100	100	100	300	200	100	400	300
TOTAL SP. (IN H20)	0.20	0.125	0.125	0.125	0.125	0.125	0.125	0.5	0.125
RPM	1062/1146	1250	1250	1250	2500	740	1250	1567	2500
TIP SPEED (FPM)	NA	_	_	_			_	4463	
MOTOR WATTS OR HP	5/11.7 W	100 W	100 W	100 W	135 W	127 W	100 W	1/10 HP	135 W
CONTROLLED BY	**	T-STAT	LIGHTS	LIGHTS	HUMIDISTAT	CONTINUOUS	CONTINUOUS	CONTINUOUS	CONTINUOUS
INTERLOCK WITH	MOTION SENSOR	NONE	NONE						
FAN SPEED CONTROLLER	YES	NO	NO	NO	YES	YES	NO	NO	YES
WHEEL TYPE	BI	FC	FC	FC	BI	BI	FC	FC	BI
BACK DRAFT DAMPER	YES	GRAVITY	GRAVITY						
ISOLATION	RUBBER	RUBBER							
DESIGN WEIGHT (LBS)	25	25	25	25	25	25	25	35	25
MAX. SONES	0.3/0.6	1.5	1.5	1.5	4.5	1.7	1.5	7.8	4.5
MAX AMPS - *(MCA/MOCP)	0.27	1.3	1.3	1.3	1.34	1.8	1.3	1.38(2/15)	1.34
POWER (VOLTS/PHASE/HZ) - *	120/1/60	120/60/1	120/60/1	120/60/1	120/60/1	120/60/1	120/60/1	120/60/1	120/60/1
BASIS OF DESIGN:	PANASONIC *	BROAN	BROAN	BROAN	GREENHECK	BROAN	BROAN	GREENHECK	GREENHECK
	FV-05-11VKSL2	L100	L100	L100	SP-A390	L200	L100	CUE-090-VG	SP-A390

* FAN TO RUN AT LOW SPEED CONTINUOUSLY, AND INCREASE TO HIGH SPEED UPON ACTIVATION OF THE MOTION SENSOR.

** FAN TO INCLUDE LIGHTS, MOTION SENSOR AND MULTI-SPEED CONTROL W/ TIME DELAY. COORDINATE LIGHT OPTION W/ ARCHITECT. *** ELECTRICAL DATA LISTED FOR REFERENCE ONLY, COORDINATE WITH ELECTRICAL DEIGN BUILD CONTRACTOR FOR VOLTAGE AND PHASE REQUIREMENTS

	ARK JMBER	RTU-1 6 TON
SY	'STEM	CORRIDORS
TY	PE	GAS PACK
DI	SCHARGE	VERTICAL
	TOTAL CFM	2400
	ECONOMIZER	NO
	MIN. OSA	2400
	MAX OSA (FULL OCCUPANCY)	_
	CO2 CONTROL	_
NO	EXTERNAL SP. ("H2O)	0.7
SECTION	TOTAL SP. ("H2O)	1.2
- 1	RPM	2418
FAN	WHEEL TYPE/ SIZE	_
	MOTOR BHP.	1.39
	POWER EXH FAN/ACCESSORY	NO
	·	
MIN	I FILTER SIZE	16X20X2
FIL	TER TYPE	THROW AWA
ပ္ခ	GAS INPUT/OUTPUT (MBH)	150/120
HEATING	EFF. (AFUE)	81
出	STAGES/TYPE	1
ပ	TOTAL CLG. (TONS)	6
COOLING	SENSIBLE CLG. (MBH)	80
8	ENT. EVAP AIR TEMP (DB/WB.)	80/67
	LVG. EVAP AIR TEMP (DB/WB.)	58.5/57.5
	AMBIENT AIR (*F)	_
	EER/IEER	12/14
	REFRIGERANT	R410A
	REFRIGERANT CHARGE	_
	DIAL WEIGHT (LEC.)	<u> </u>
	SIGN WEIGHT (LBS.)	867
	OKE DETECTOR (SUPPLY DUCT)	YES
	RING ISOLATION ROOF CURB	YES
CO	NVENIENCE OUTLET - ALWAYS POWERED	
	_TAGE/PHASE - ***	208/3
MC	A/MOCP — ***	34/50
RΔ	SIS OF DESIGN — CARRIER MODEL	48HCTD07A2

BASIS OF DESIGN — CARRIER MODEL * - PROVIDE T-STAT MODEL # 33CS2PP2S-03 *** - ELECTRICAL DATA LISTED FOR REFERENCE ONLY, COORDINATE WITH ELECTRICAL DESIGN BUILD CONTRACTOR FOR VOLTAGE AND PHASE REQUIREMENTS. ELECTRICAL CONTRACTOR RESPONSIBLE FOR SIZING ALL CONDUCTORS & OVERCURRENT PROTECTION. VERIFY WITH EQUIPMENT SUBMITTALS FOR EQUIPMENT ELECTRICAL REQUIREMENTS

ERV	SCHEDULE
MARK	

E	RV SCHEDULE	
	ARK UMBER	ERV 1
S	YSTEM	DWELLING UNITS
z	CFM	65/105
FAN	ESP, IN.W.C.	0.4
X	MOTOR H.P.	1
"	ECM	YES
	FILTER	2" MERV 8
_	CFM	65/105
FAN	ESP, IN.W.C.	0.4
≽	MOTOR H.P.	-
SUPPLY	ECM	YES
S	FILTER	2" MERV 8
SL	IMMER DESIGN TEMPERATURE DB/WB, 'F	88/66
WI	NTER DESIGN TEMPERATURE DB 'F	24
МІ	NIMUM SUMMER EFFECTIVENESS	65%
МІ	NIMUM WINTER EFFECTIVENESS	71%
EL	ECTRICAL (V/PH)	120/1
AM	IPS	0.9
WA	ATTS	103
BA	SIS OF DESIGN: BROAN	ERV100S
-		

1. PROVIDE UNIT WITH MOTORIZED OSA AND EXHAUST DAMPERS. INTERLOCK DAMPERS WITH FAN OPERATION. 2. INSTALL IN DWELLING UNITS WITH 500 SF FLOOR AREA OR

INDOOR UNITS -	SPLIT SYSTEM	HEAT PUMP
MARK NUMBER	FC-1 36 MBH ***	FC-2 18 MBH
SYSTEM	1ST FLOOR COMMON AREAS	CO-WORKING ROOM
TYPE	DUCTED	WALL MOUNT
COOLING CAPACITY (BTU)	32810	12000
HEATING CAPACITY (BTU)	30710	12000
AUXILIARY HEAT (KW)	10	N/A
TOTAL SUPPLY CFM	1150	382
OSA CFM	_	N/A
EXTERNAL SP. ("H2O)	0.25	_
MOTOR HP	1/3	_
VOLTS/PHASE**	208/1	208/1
MCA/MOCP**	45.5/60*	_
WEIGHT	135	23
BASIS OF DESIGN	CARRIER FMC4Z3600AL	CARRIER 40MAQHBQ18XA3
OUTDOOR UNIT	HP-1 3 TON	HP-2 1.5 TON

ALL CONDENSATE LINES HIDDEN WITHIN STRUCTURE TO AN APPROVED LOCATION PROVIDED BY THE ** - ELECTRICAL DATA LISTED FOR REFERENCE ONLY, COORDINATE WITH ELECTRICAL DESIGN BUILD CONTRACTOR FOR VOLTAGE AND PHASE REQUIREMENTS. ELECTRICAL CONTRACTOR RESPONSIBLE FOR SIZING ALL CONDUCTORS & OVERCURRENT PROTECTION. VERIFY WITH EQUIPMENT SUBMITTALS FOR

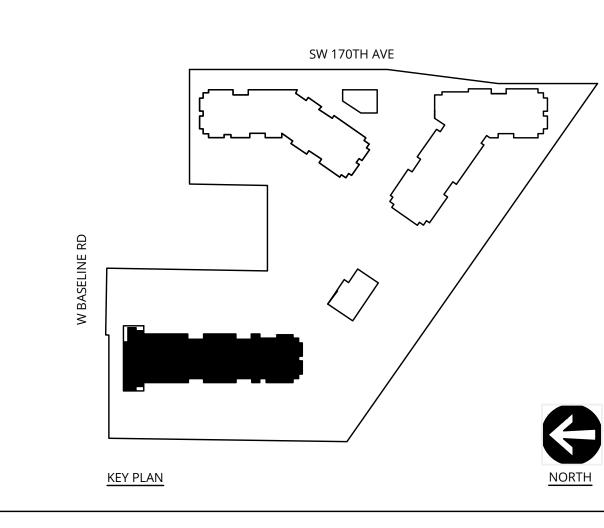
EQUIPMENT ELECTRICAL REQUIREMENTS *** - ELECTRIC HEAT MODEL NUMBER EHK3-10B, 10KW 240V ELECTRIC HEAT WITH CIRCUIT BREAKER. ACCESS PANEL FOR INDOOR UNIT, MODEL # KFAGP0201COV.

OUTDOOR UNITS -	- SPLIT SYSTEM	M HEAT PUMP
MARK NUMBER	HP-1 3 TON	HP-2 1.5 TON
SYSTEM	1ST FLOOR COMMON AREAS	CO-WORKING ROOM
TYPE	AIR-COOLED	AIR-COOLED
COOLING CAPACITY (BTU)	32810	12000
HEATING CAPACITY (BTU)	30710	12000
EFFICIENCY SEER/EER	14.0/11.0	14/25.5
EFFICIENCY HSPF/COP	8.5/3.82	13.0/3.81
REFRIGERANT	R410A	R410A
REFRIGERANT CHARGE	_	2.6 LBS.
MAX OPERATING TEMPS	_	86 ° F
MAX PIPING LENGTH	_	82
MAX PIPING HEIGHT	_	32
VOLTS-PHASE	208/1	208/1
MCA/MOP	18.3/30	16/25
COMPRESSOR	_	_
WEIGHT (LBS)	170	74
BASIS OF DESIGN	CARRIER	CARRIER

25HCE436AP03 38MARBQ12AA3 *** - ELECTRICAL DATA LISTED FOR REFERENCE ONLY, COORDINATE WITH ELECTRICAL DESIGN BUILD CONTRACTOR FOR VOLTAGE AND PHASE REQUIREMENTS. ELECTRICAL CONTRACTOR RESPONSIBLE FOR SIZING ALL CONDUCTORS & OVERCURRENT PROTECTION. VERIFY WITH EQUIPMENT SUBMITTALS FOR EQUIPMENT ELECTRICAL REQUIREMENTS

PORTABLE TERMINAL	HEAT PU	MP UNIT	
MARK NUMBER	PTHP-1	PTHP-2 12 MBH	PTHP-3 15 MBH
TYPE	THRU-THE-WALL HEAT PUMP	THRU-THE-WALL HEAT PUMP	THRU-THE-WALL HEAT PUMP
SYSTEM	STUDIO	1 BEDROOM	2 BEDROOM
NOMINAL COOLING CAPACITY (BTUH)	9700	12000	14400
HEATING CAPACITY (BTUH)	8100	11000	13400
ELECTRIC HEATING CAPACITY (KW)	3.4	3.4	3.4
CFM (HI/LOW)	409/300	449/300	449/290
MIN OSA (CFM)	40	45	44
HTG. LVG. AIR TEMP (*F)	90°F	90°F	90 ° F
REMOTE THERMOSTAT	YES	YES	YES
EFFICIENCY (EER)	12.2	11.9	10.6
EFFICIENCY (COP)	3.7	3.6	3.3
WALL SLEEVE OPENING SIZE	VERIFY IN FIELD	VERIFY IN FIELD	VERIFY IN FIELD
VOLTAGE/PH	208/1	208/1	208/1
MCA/MOCP	20/20	20/20	20/20
DESIGN WT. (LBS)	110	110	110
BASIS OF DESIGN: GE	AZ65H09DAB	AZ65H12DAB	AZ65H15DAB

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EXPIRES: 31DEC23

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REASON FOR ISSUE

MECHANICAL

SCHEDULES

PERMIT SET

PROJECT NUMBER 09/23/2022 215390

A — SUPPLY DUCT FROM RTU, SEE BELOW

B — SUPPLY AIR OR RETURN GRILLE, SIZED FOR BOTH FREE AREA AND FOR ACTUATOR ACCESS, SEE

FOR TYPICAL F/S

TO BANASONIC WHISPERCREEN CELLING FAN WITH 4"A DUCT TO BOOK OR

C — PANASONIC WHISPERGREEN CEILING FAN WITH 4"Ø DUCT TO ROOF OR EXTERIOR WALL TERMINATION VIA SOFFIT(S) PROVIDED. BACK DRAFT DAMPER INTEGRAL TO FAN, FAN TO OPERATE AT LOW SPEED CONTINUOUS (30 CFM) AND INCREASE TO 80 CFM WHEN BUILT—IN MOTION SENSOR IS ACTIVATED. INSULATED FINAL 5' OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. SEE 3

 $\langle D \rangle$ — CONDENSING DRYERS — NO VENTING REQUIRED —

(E) — FOR ERV DETAILS, SEE (2) (ERV) 6" OA, 6" EXH, & 6" SA

F — 6"ø HOOD DUCT TO ROOF TOP DOGHOUSE VIA SOFFIT(S) AND SHAFT(S)
PROVIDED. BACK DRAFT DAMPER INTEGRAL TO HOOD. INSULATED FINAL 5'
OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. HOOD
FAN TO OPERATE INTERMITTENTLY

G — X KW WALL(SEE PLANS) HEATER QMARK AWH4404F OR EQUAL. EQUIPMENT BY ELECTRICAL CONTRACTOR. SHOWN FOR REFERENCE ONLY.

 \bigcirc H — DUCTED FAN COIL DETAIL, SEE \bigcirc M6.01

(I) — EXTERIOR EXHAUST — SEE (2) MAINTAIN 36" CLEAR TO OPERABLE WINDOWS AND DOORS.

J — SUPPLY/EXHAUST FOR ERV, CFM AND GRILLE SIZE SEE $\frac{9}{M6.01}$

 $\langle K \rangle$ — FIRE PENETRATION DETAILS, SEE $\begin{pmatrix} 1 \\ M6.02 \end{pmatrix}$

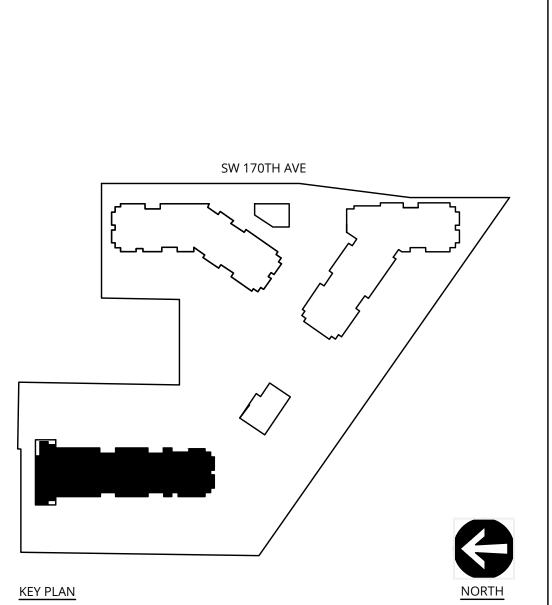
— PTHP (PACKAGED TERMINAL HEAT PUMP) WITH FACTORY WALL SLEEVE, CONDENSATE DRAIN KIT, AND 42X16 ALUMINUM ARCHITECTURAL GRILLE AT EXTERIOR. INSTALL GRAVITY CONDENSATE DRAIN KIT, PLUMBING CONTRACTOR TO MAKE CONNECTION AT DRAIN KIT AND CONTINUE DRAIN LINE TO AN APPROVED LOCATION. SEE

M - REFRIGERANT LINE SETS FROM CONDENSING UNITS TO FAN COILS ON LEVEL 1.

 $\langle N \rangle$ — COVE STYLE WALL HEATERS FOR LIVING UNITS, 1125 W (94" LONG) FOR 1&2 BEDROOM LIVING UNITS. INSTALL AT 90" AFF.

SHAF	T DUCT	SIZES				
FLOOR	SUPPLY AIR	CFM	RETURN AIR	CFM	UNIT	
ATTIC	24 X 20	2400	24 X 20	2400	RTU-1	
5TH	24 X 20	2400	24 X 20	2400	RTU-1	
4TH	24 X 16	1920	24 X 16	1920	RTU-1	
3RD	24 X 16	1440	24 X 16	1440	RTU-1	
2ND	24 X 12	960	24 X 12	960	RTU-1	
1ST	24 X 12	480	24 X 12	480	RTU-1	
VENTILATION CALCULATIONS: DWELLING UNIT >500SQ FT, VENTILATED BY MECHANICAL VENTILATION WITH ERV'S. DWELLING UNIT <500SQ FT, VENTILATED BY MECHANICAL VENITLATION, VIPTHP (SIZED PER ASHRAE 62.2).						
HALLWAYS ARE VENTILATED BY RTU'S SIZED TO EXCEED THE MINIMUM 0.06 CFM/SQ FT REQUIREMENT.						
SEE VENTILATION SCHEDULES FOR OTHER UNITS.						





OREGON
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ELMONICA STATION APARTMENTS BUIL
SW 170TH AND W BASELINE

REMBOLD PROPERTIES

REMBOLD PROPERTIES

MECHANICAL PLAN - LEVEL 1

PERMIT SET

DATE PROJECT NUMBER 215390

M2.01-1

MECHANICAL PLAN - LEVEL 2

PERMIT SET

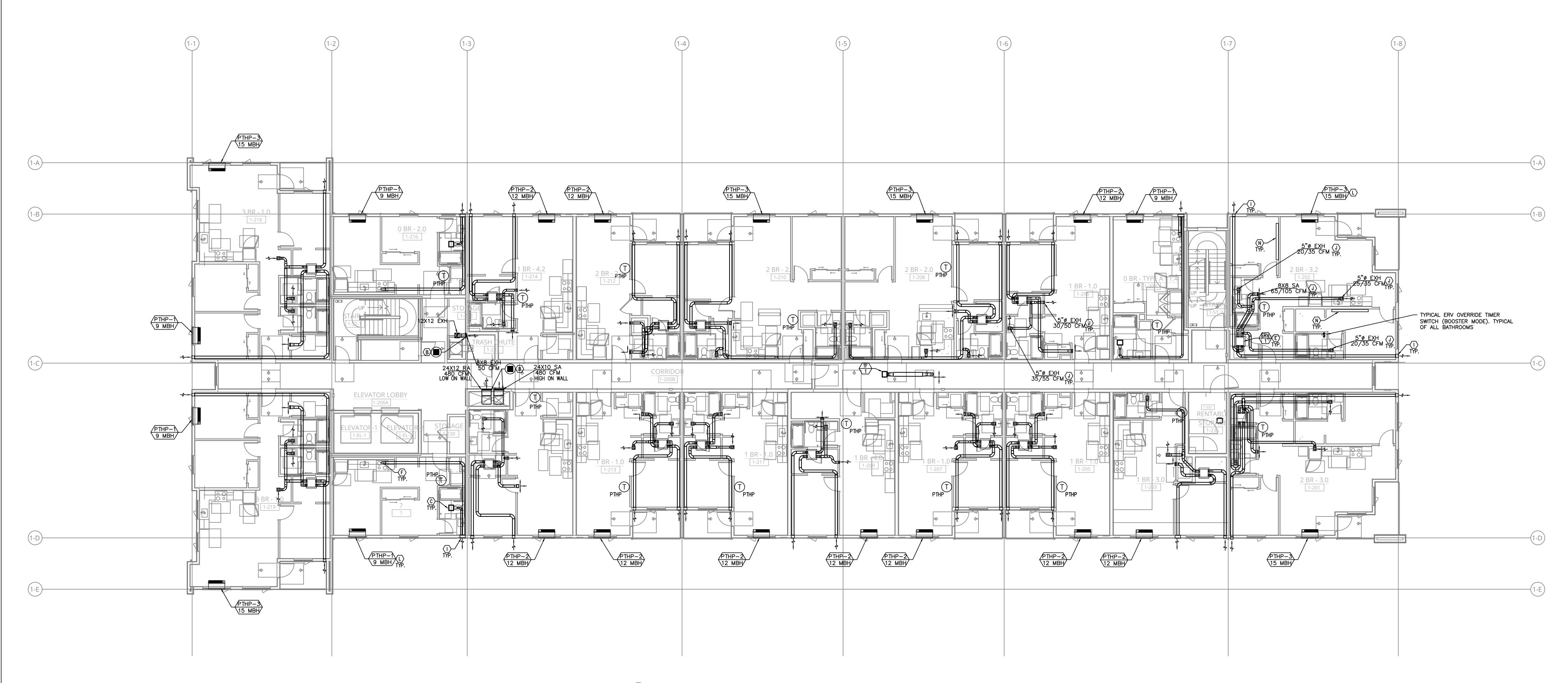
NORTH

SW 170TH AVE

KEY PLAN

DATE PROJECT NUMBER 215390

M2.02-1



KEY NOTES:

 $\langle {\sf A} \rangle$ — SUPPLY DUCT FROM RTU, SEE BELOW

B — SUPPLY AIR OR RETURN GRILLE, SIZED FOR BOTH FREE AREA AND FOR ACTUATOR ACCESS, SEE FOR TYPICAL F/S FOR TYPICAL F/S INSTALLATION, AND CONTROLS.

| SUPPLY AIR OR RETURN GRILLE, SIZED FOR BOTH FREE AREA AND FOR FOR GRILLE INSTALLATION, AND SEE 8 M6.01

C — PANASONIC WHISPERGREEN CEILING FAN WITH 4"Ø DUCT TO ROOF OR EXTERIOR WALL TERMINATION VIA SOFFIT(S) PROVIDED. BACK DRAFT DAMPER INTEGRAL TO FAN, FAN TO OPERATE AT LOW SPEED CONTINUOUS (30 CFM) AND INCREASE TO 80 CFM WHEN BUILT—IN MOTION SENSOR IS ACTIVATED. INSULATED FINAL 5' OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. SEE 3

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 \bigcirc - EXTERIOR EXHAUST - SEE \bigcirc MAINTAIN 36" CLEAR TO OPERABLE WINDOWS AND DOORS.

J — SUPPLY/EXHAUST FOR ERV, CFM AND GRILLE SIZE SEE $\frac{9}{M6.01}$

 $\langle K \rangle$ — FIRE PENETRATION DETAILS, SEE (1) (M6.02)

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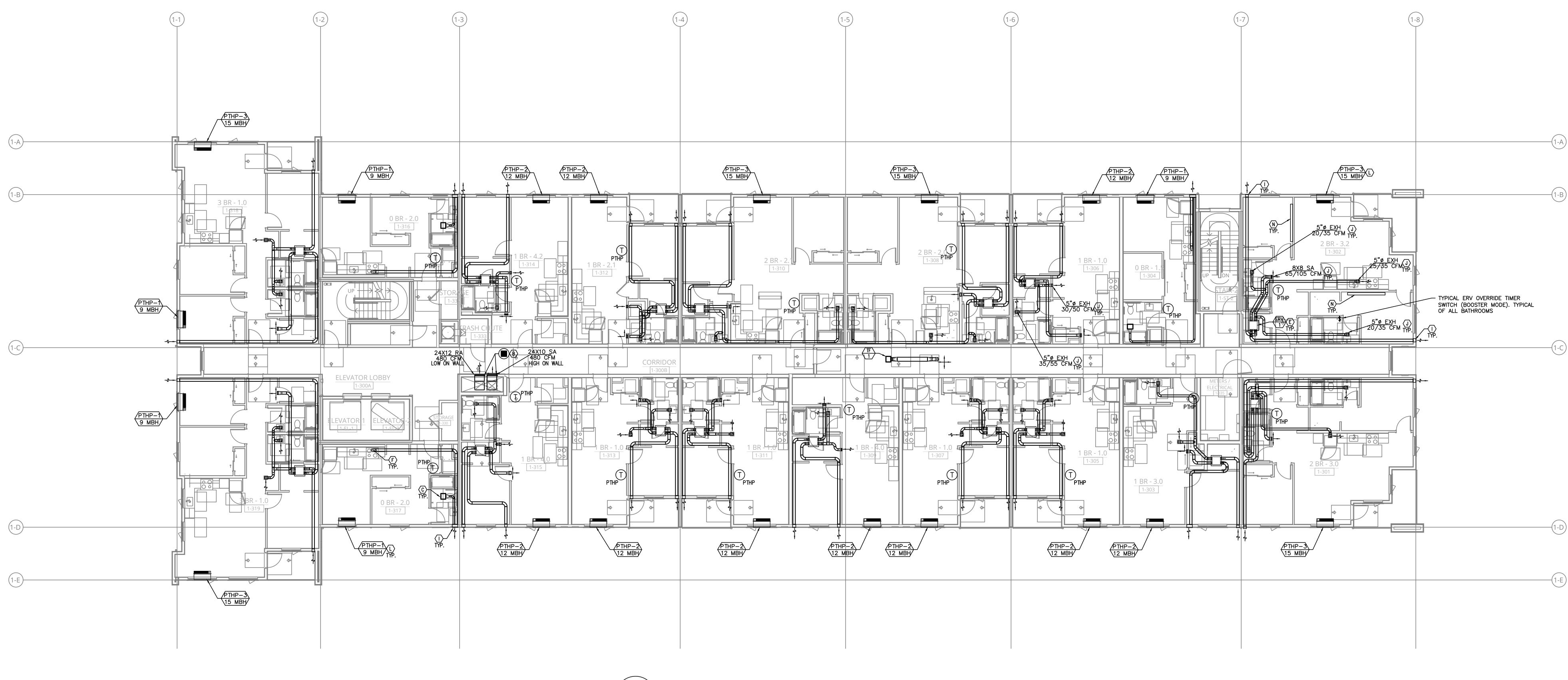
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SHAF	T DUCT	SIZES				
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ATTIC	24 X 20	2400	24 X 20	2400	RTU-1	
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4TH	24 X 16	1920	24 X 16	1920	RTU-1	
3RD	24 X 16	1440	24 X 16	1440	RTU-1	
2ND	24 X 12	960	24 X 12	960	RTU-1	
1ST	24 X 12	480	24 X 12	480	RTU-1	
VENTILATION CALCULATIONS: DWELLING UNIT >500SQ FT, VENTILATED BY MECHANICAL VENTILATION WITH ERV'S. DWELLING UNIT <500SQ FT, VENTILATED BY MECHANICAL VENITLATION, V PTHP (SIZED PER ASHRAE 62.2). HALLWAYS ARE VENTILATED BY RTU'S SIZED TO EXCEED THE MINIMUM 0.06 CFM/SQ FT REQUIREMENT.						

SEE VENTILATION SCHEDULES FOR OTHER UNITS.

1 BUILDING 1 — LEVEL 2 — MECH PLAN M2.02 SCALE: 1/8" = 1'-0"



 $\frac{1}{M2.03} \frac{\text{BUILDING 1} - \text{LEVEL 3} - \text{MECH PLAN}}{\text{SCALE: 1/8" = 1'-0"}}$

KEY NOTES:

 $\langle {\sf A} \rangle$ — SUPPLY DUCT FROM RTU, SEE BELOW

B — SUPPLY AIR OR RETURN GRILLE, SIZED FOR BOTH FREE AREA AND FOR ACTUATOR ACCESS, SEE 7 INSTALLATION, AND CONTROLS.

| Supply air or return grille, sized for both free area and for for grille installation, and see 8 M6.01

C — PANASONIC WHISPERGREEN CEILING FAN WITH 4"Ø DUCT TO ROOF OR EXTERIOR WALL TERMINATION VIA SOFFIT(S) PROVIDED. BACK DRAFT DAMPER INTEGRAL TO FAN, FAN TO OPERATE AT LOW SPEED CONTINUOUS (30 CFM) AND INCREASE TO 80 CFM WHEN BUILT—IN MOTION SENSOR IS ACTIVATED. INSULATED FINAL 5' OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. SEE

(D) — CONDENSING DRYERS — NO VENTING REQUIRED —

 $\langle E \rangle$ — FOR ERV DETAILS, SEE (2) $\langle ERV \rangle$ 6" OA, 6" EXH, & 6" SA

F — 6"ø HOOD DUCT TO ROOF TOP DOGHOUSE VIA SOFFIT(S) AND SHAFT(S)
PROVIDED. BACK DRAFT DAMPER INTEGRAL TO HOOD. INSULATED FINAL 5'
OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. HOOD
FAN TO OPERATE INTERMITTENTLY

igg(G igg) - X kw wall(see plans) heater qmark awh4404f or equal. Equipment by electrical contractor. Shown for reference only.

 \bigcirc H — DUCTED FAN COIL DETAIL, SEE \bigcirc M6.01

(I) — EXTERIOR EXHAUST — SEE (2) MAINTAIN 36" CLEAR TO OPERABLE WINDOWS AND DOORS.

 \sqrt{J} — SUPPLY/EXHAUST FOR ERV, CFM AND GRILLE SIZE SEE $\frac{9}{M6.01}$

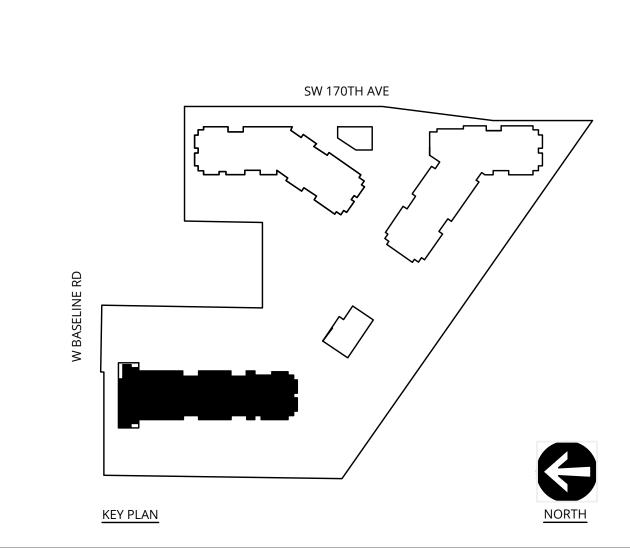
 $\langle K \rangle$ — FIRE PENETRATION DETAILS, SEE (1) (M6.02)

— PTHP (PACKAGED TERMINAL HEAT PUMP) WITH FACTORY WALL SLEEVE, CONDENSATE DRAIN KIT, AND 42X16 ALUMINUM ARCHITECTURAL GRILLE AT EXTERIOR. INSTALL GRAVITY CONDENSATE DRAIN KIT, PLUMBING CONTRACTOR TO MAKE CONNECTION AT DRAIN KIT AND CONTINUE DRAIN LINE TO AN APPROVED LOCATION. SEE 4 M6.01

M - REFRIGERANT LINE SETS FROM CONDENSING UNITS TO FAN COILS ON LEVEL 1.

 $\langle N \rangle$ — COVE STYLE WALL HEATERS FOR LIVING UNITS, 1125 W (94" LONG) FOR 1&2 BEDROOM LIVING UNITS. INSTALL AT 90" AFF.

SHAF	T DUCT	SIZES				
FLOOR	SUPPLY AIR	CFM	RETURN AIR	CFM	UNIT	
ATTIC	24 X 20	2400	24 X 20	2400	RTU-1	
5TH	24 X 20	2400	24 X 20	2400	RTU-1	
4TH	24 X 16	1920	24 X 16	1920	RTU-1	
3RD	24 X 16	1440	24 X 16	1440	RTU-1	
2ND	24 X 12	960	24 X 12	960	RTU-1	
1ST	24 X 12	480	24 X 12	480	RTU-1	
VENTILATION CALCULATIONS: DWELLING UNIT >500SQ FT, VENTILATED BY MECHANICAL VENTILATION WITH ERV'S. DWELLING UNIT <500SQ FT, VENTILATED BY MECHANICAL VENITLATION, VPTHP (SIZED PER ASHRAE 62.2).						
HALLWAYS ARE VENTILATED BY RTU'S SIZED TO EXCEED THE MINIMUM 0.06 CFM/SQ FT REQUIREMENT.						
SEE VENTILATION SCHEDULES FOR OTHER UNITS.						



ELMONICA

SW 170TH AND W B

REVISION DATE REASON FOR ISSUE

MECHANICAL PLAN - LEVEL 3

PERMIT SET

DATE PROJECT NUMBER 215390

M2.03-1

 $\langle {\sf A} \rangle$ — SUPPLY DUCT FROM RTU, SEE BELOW

B — SUPPLY AIR OR RETURN GRILLE, SIZED FOR BOTH FREE AREA AND FOR ACTUATOR ACCESS, SEE FOR TYPICAL F/S FOR TYPICAL F/S INSTALLATION, AND CONTROLS.

| SIZED FOR BOTH FREE AREA AND FOR FOR GRILLE INSTALLATION, AND SEE 8 M6.01

C — PANASONIC WHISPERGREEN CEILING FAN WITH 4"Ø DUCT TO ROOF OR EXTERIOR WALL TERMINATION VIA SOFFIT(S) PROVIDED. BACK DRAFT DAMPER INTEGRAL TO FAN, FAN TO OPERATE AT LOW SPEED CONTINUOUS (30 CFM) AND INCREASE TO 80 CFM WHEN BUILT—IN MOTION SENSOR IS ACTIVATED. INSULATED FINAL 5' OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. SEE

 $\langle D \rangle$ — CONDENSING DRYERS — NO VENTING REQUIRED —

 $\langle E \rangle$ — FOR ERV DETAILS, SEE (2) $\langle ERV \rangle$ 6" OA, 6" EXH, & 6" SA

F) — 6"ø HOOD DUCT TO ROOF TOP DOGHOUSE VIA SOFFIT(S) AND SHAFT(S)
PROVIDED. BACK DRAFT DAMPER INTEGRAL TO HOOD. INSULATED FINAL 5'
OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. HOOD
FAN TO OPERATE INTERMITTENTLY

G — X KW WALL(SEE PLANS) HEATER QMARK AWH4404F OR EQUAL. EQUIPMENT BY ELECTRICAL CONTRACTOR. SHOWN FOR REFERENCE ONLY.

 \bigcirc H — DUCTED FAN COIL DETAIL, SEE \bigcirc M6.01

 $\overline{\text{I}}$ — EXTERIOR EXHAUST — SEE $\underbrace{2}_{\text{M6.01}}$ MAINTAIN 36" CLEAR TO OPERABLE WINDOWS AND DOORS.

 \bigcirc J — SUPPLY/EXHAUST FOR ERV, CFM AND GRILLE SIZE SEE \bigcirc M6.01

 $\langle K \rangle$ — FIRE PENETRATION DETAILS, SEE $\frac{1}{M6.02}$

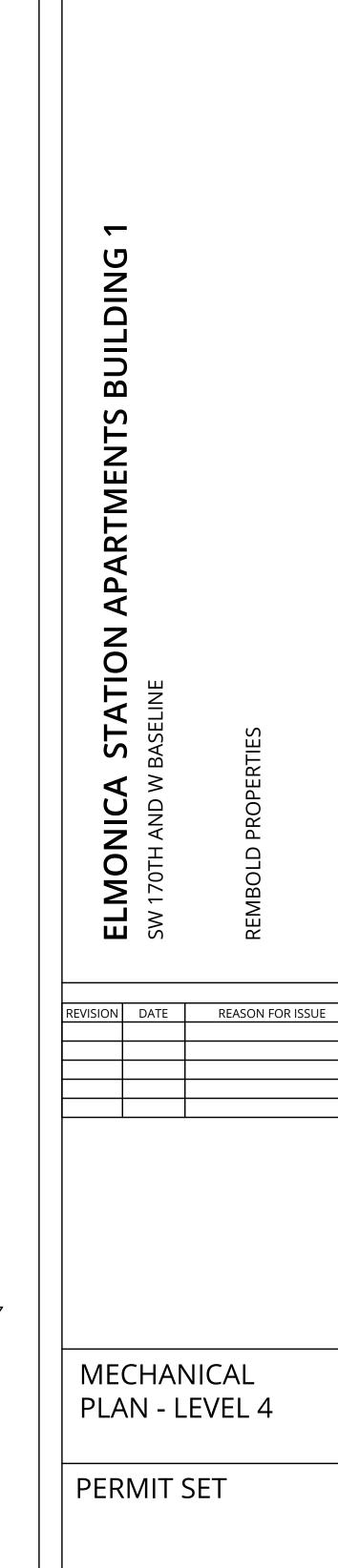
— PTHP (PACKAGED TERMINAL HEAT PUMP) WITH FACTORY WALL SLEEVE, CONDENSATE DRAIN KIT, AND 42X16 ALUMINUM ARCHITECTURAL GRILLE AT EXTERIOR. INSTALL GRAVITY CONDENSATE DRAIN KIT, PLUMBING CONTRACTOR TO MAKE CONNECTION AT DRAIN KIT AND CONTINUE DRAIN LINE TO AN APPROVED LOCATION. SEE

M - REFRIGERANT LINE SETS FROM CONDENSING UNITS TO FAN COILS ON LEVEL 1.

 $\langle N \rangle$ — COVE STYLE WALL HEATERS FOR LIVING UNITS, 1125 W (94" LONG) FOR 1&2 BEDROOM LIVING UNITS. INSTALL AT 90" AFF.

SHAF	T DUCT	SIZES					
FLOOR	SUPPLY AIR	CFM	RETURN AIR	CFM	UNIT		
ATTIC	24 X 20	2400	24 X 20	2400	RTU-1		
5TH	24 X 20	2400	24 X 20	2400	RTU-1		
4TH	24 X 16	1920	24 X 16	1920	RTU-1		
3RD	24 X 16	1440	24 X 16	1440	RTU-1		
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1ST	24 X 12	480	24 X 12	480	RTU-1		
VENTILATION CALCULATIONS: DWELLING UNIT >500SQ FT, VENTILATED BY MECHANICAL VENTILATION WITH ERV'S. DWELLING UNIT <500SQ FT, VENTILATED BY MECHANICAL VENITLATION, PTHP (SIZED PER ASHRAE 62.2). HALLWAYS ARE VENTILATED BY RTU'S SIZED TO EXCEED THE MINIMUM 0.06 CFM/SQ FT REQUIREMENT.							
SEE VENTILATION SCHEDULES FOR OTHER UNITS.							





PROJECT NUMBER

09/23/2022 215390

M2.04-1

SW 170TH AVE

KEY PLAN

Ankrom Moisan

38 NORTHWEST DAVIS, SUITE 300

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KEY NOTES:

A — SUPPLY DUCT FROM RTU, SEE BELOW

B — SUPPLY AIR OR RETURN GRILLE, SIZED FOR BOTH FREE AREA AND FOR ACTUATOR ACCESS, SEE 7 FOR GRILLE INSTALLATION, AND SEE 8 INSTALLATION, AND CONTROLS.

BANASONIC WHISPERCREEN CEILING FAN WITH 4"# DUCT TO BOOK OR

(D) — CONDENSING DRYERS — NO VENTING REQUIRED —

 $\langle E \rangle$ — FOR ERV DETAILS, SEE (2) $\langle ERV \rangle$ 6" OA, 6" EXH, & 6" SA $\langle E \rangle$ — 6"% HOOD DUCT TO ROOF TOP DOCHOUSE VIA SOFFIT(S) AND SHAP

F — 6"ø HOOD DUCT TO ROOF TOP DOGHOUSE VIA SOFFIT(S) AND SHAFT(S)
PROVIDED. BACK DRAFT DAMPER INTEGRAL TO HOOD. INSULATED FINAL 5'
OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. HOOD
FAN TO OPERATE INTERMITTENTLY

G — X KW WALL(SEE PLANS) HEATER QMARK AWH4404F OR EQUAL. EQUIPMENT BY ELECTRICAL CONTRACTOR. SHOWN FOR REFERENCE ONLY.

 \bigcirc H — DUCTED FAN COIL DETAIL, SEE \bigcirc M6.01

(I) — EXTERIOR EXHAUST — SEE (2) MAINTAIN 36" CLEAR TO OPERABLE WINDOWS AND DOORS.

 \overline{J} — SUPPLY/EXHAUST FOR ERV, CFM AND GRILLE SIZE SEE $\frac{9}{M6.01}$

 $\langle K \rangle$ — FIRE PENETRATION DETAILS, SEE $\begin{pmatrix} 1 \\ M6.02 \end{pmatrix}$

— PTHP (PACKAGED TERMINAL HEAT PUMP) WITH FACTORY WALL SLEEVE, CONDENSATE DRAIN KIT, AND 42X16 ALUMINUM ARCHITECTURAL GRILLE AT EXTERIOR. INSTALL GRAVITY CONDENSATE DRAIN KIT, PLUMBING CONTRACTOR TO MAKE CONNECTION AT DRAIN KIT AND CONTINUE DRAIN LINE TO AN APPROVED LOCATION. SEE (M6.01)

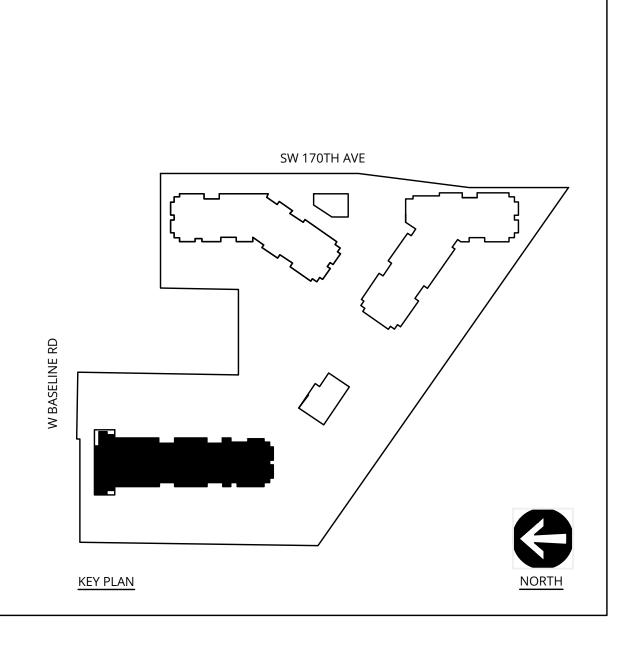
M — REFRIGERANT LINE SETS FROM CONDENSING UNITS TO FAN COILS ON LEVEL 1.

 $\langle N \rangle$ — COVE STYLE WALL HEATERS FOR LIVING UNITS, 1125 W (94" LONG) FOR 1&2 BEDROOM LIVING UNITS. INSTALL AT 90" AFF.

SHAFT [PLY AIR	ZES	RETURN AIR	CFM		
FLOOR SUP	<u> </u>	CFM	RETURN AIR	CEM		
1 20011 001	X 20			CFM	UNIT	
ATTIC 24		2400	24 X 20	2400	RTU-1	
5TH 24	X 20	2400	24 X 20	2400	RTU-1	
4TH 24	X 16	1920	24 X 16	1920	RTU-1	
3RD 24	X 16	1440	24 X 16	1440	RTU-1	
2ND 24	X 12	960	24 X 12	960	RTU-1	
1ST 24	X 12	480	24 X 12	480	RTU-1	
1ST 24 X 12 480 24 X 12 480 RTU-1 VENTILATION CALCULATIONS: DWELLING UNIT >500SQ FT, VENTILATED BY MECHANICAL VENTILATION WITH ERV'S. DWELLING UNIT <500SQ FT, VENTILATED BY MECHANICAL VENITLATION, PTHP (SIZED PER ASHRAE 62.2). HALLWAYS ARE VENTILATED BY RTU'S SIZED TO EXCEED THE MINIMUM 0.06 CFM/SQ FT REQUIREMENT.						

SEE VENTILATION SCHEDULES FOR OTHER UNITS.





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ELMONICA STATION APARTMENTS BU
SW 170TH AND W BASELINE

REMBOLD PROPERTIES

MECHANICAL PLAN - LEVEL 5

PERMIT SET

DATE PROJECT NUMBER 215390

M2.05-1

Ankrom Moisan

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PORTLAND, OR 97209 T 503.245.7100

REVISION DATE REASON FOR ISSUE

MECHANICAL PLAN - ATTIC

PERMIT SET

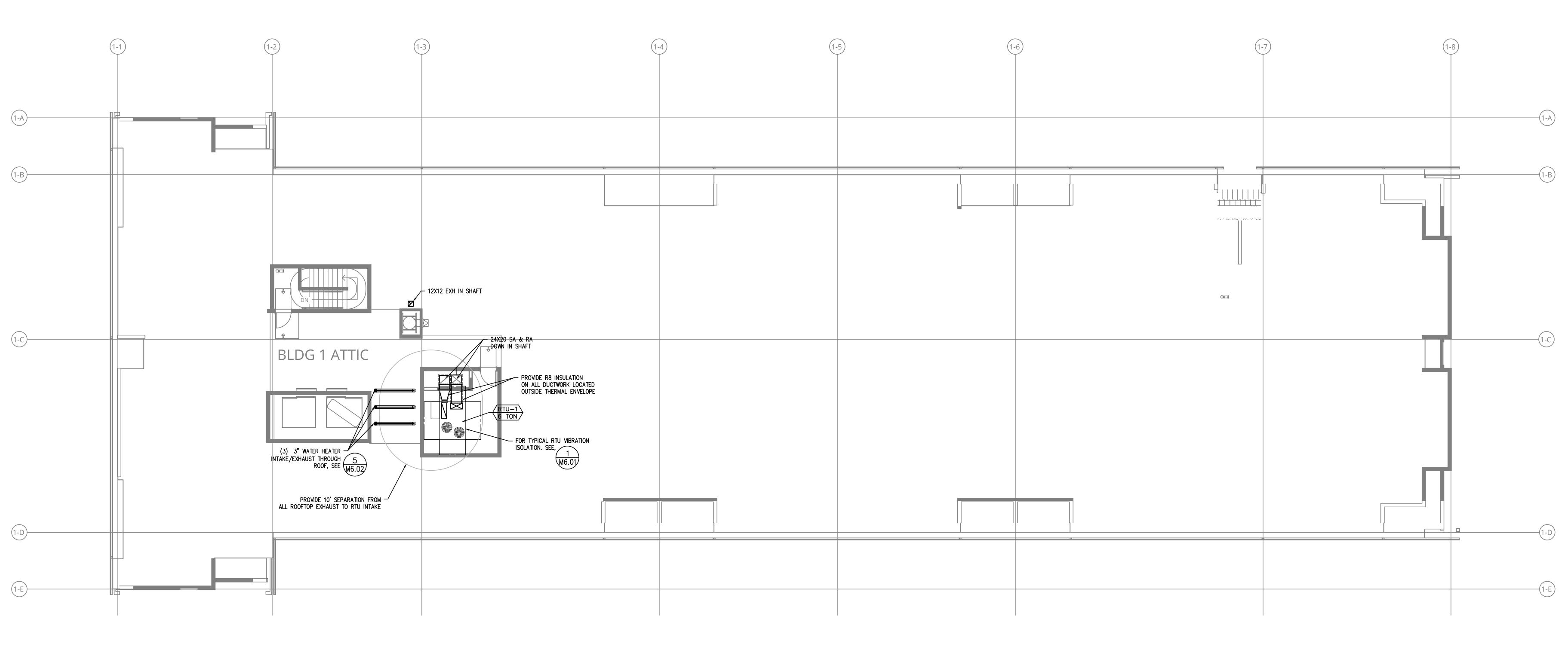
NORTH

SW 170TH AVE

KEY PLAN

PROJECT NUMBER 09/23/2022 215390

M2.06-1



 $\frac{1}{M2.06} \frac{\text{BUILDING 1} - \text{ATTIC} - \text{MECH PLAN}}{\text{SCALE: 1/8" = 1'-0"}}$

KEY NOTES:

- $\langle \overline{\mathsf{A}} \rangle$ SUPPLY DUCT FROM RTU, SEE BELOW
- B SUPPLY AIR OR RETURN GRILLE, SIZED FOR BOTH FREE AREA AND FOR ACTUATOR ACCESS, SEE 7 FOR GRILLE INSTALLATION, AND SEE 8 M6.01
- (C) PANASONIC WHISPERGREEN CEILING FAN WITH 4"Ø DUCT TO ROOF OR EXTERIOR WALL TERMINATION VIA SOFFIT(S) PROVIDED. BACK DRAFT DAMPER INTEGRAL TO FAN, FAN TO OPERATE AT LOW SPEED CONTINUOUS (30 CFM) AND INCREASE TO 80 CFM WHEN BUILT-IN MOTION SENSOR IS ACTIVATED. INSULATED FINAL 5' OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. SEE 3 /EF
- D CONDENSING DRYERS NO VENTING REQUIRED -
- (E) FOR ERV DETAILS, SEE (2) (ERV) 6" OA, 6" EXH, & 6" SA

 (F) 6"ø HOOD DUCT TO ROOF TOP DOGHOUSE VIA SOFFIT(S) AND SHAFT(S)
 PROVIDED. BACK DRAFT DAMPER INTEGRAL TO HOOD. INSULATED FINAL 5" OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. HOOD FAN TO OPERATE INTERMITTENTLY
- G X KW WALL(SEE PLANS) HEATER QMARK AWH4404F OR EQUAL. EQUIPMENT BY ELECTRICAL CONTRACTOR. SHOWN FOR REFERENCE ONLY.
- (H) DUCTED FAN COIL DETAIL, SEE $(\frac{6}{M6.01})$
- (I) EXTERIOR EXHAUST SEE (2) MAINTAIN 36" CLEAR TO OPERABLE WINDOWS AND DOORS.
- \overline{J} SUPPLY/EXHAUST FOR ERV, CFM AND GRILLE SIZE SEE $\frac{9}{M6.01}$
- $\langle K \rangle$ FIRE PENETRATION DETAILS, SEE $\frac{1}{M6.02}$
- PTHP (PACKAGED TERMINAL HEAT PUMP) WITH FACTORY WALL SLEEVE, CONDENSATE DRAIN KIT, AND 42X16 ALUMINUM ARCHITECTURAL GRILLE AT EXTERIOR. INSTALL GRAVITY CONDENSATE DRAIN KIT, PLUMBING CONTRACTOR TO MAKE CONNECTION AT DRAIN KIT AND CONTINUE DRAIN LINE TO AN APPROVED LOCATION. SEE (M6.01)
- M REFRIGERANT LINE SETS FROM CONDENSING UNITS TO FAN COILS ON
- N COVE STYLE WALL HEATERS FOR LIVING UNITS, 1125 W (94" LONG) FOR 1&2 BEDROOM LIVING UNITS. INSTALL AT 90" AFF.

FLOOR	SUPPLY AIR	CFM	RETURN AIR	CFM	UNIT
ATTIC	24 X 20	2400	24 X 20	2400	RTU-1
5TH	24 X 20	2400	24 X 20	2400	RTU-1
4TH	24 X 16	1920	24 X 16	1920	RTU-1
3RD	24 X 16	1440	24 X 16	1440	RTU-1
2ND	24 X 12	960	24 X 12	960	RTU-1
1ST	24 X 12	480	24 X 12	480	RTU-1
DWELLII ERV'S.		FT, VENTILATED <500SQ FT, VEN) BY MECHANICAL NTILATED BY MECH		

HALLWAYS ARE VENTILATED BY RTU'S SIZED TO EXCEED THE MINIMUM 0.06 CFM/SQ FT REQUIREMENT.

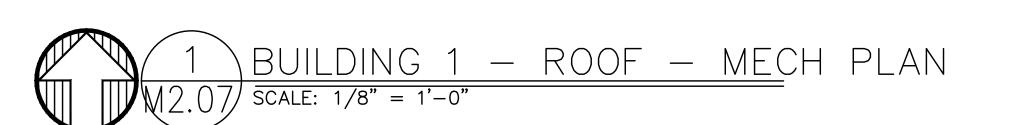
SEE VENTILATION SCHEDULES FOR OTHER UNITS.

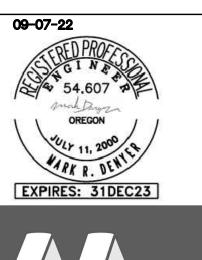
KEY NOTES:

- $\langle {\sf A}
 angle$ SUPPLY DUCT FROM RTU, SEE BELOW
- B SUPPLY AIR OR RETURN GRILLE, SIZED FOR BOTH FREE AREA AND FOR ACTUATOR ACCESS, SEE 7 INSTALLATION, AND CONTROLS. 8 M6.01
- C PANASONIC WHISPERGREEN CEILING FAN WITH 4"Ø DUCT TO ROOF OR EXTERIOR WALL TERMINATION VIA SOFFIT(S) PROVIDED. BACK DRAFT DAMPER INTEGRAL TO FAN, FAN TO OPERATE AT LOW SPEED CONTINUOUS (30 CFM) AND INCREASE TO 80 CFM WHEN BUILT—IN MOTION SENSOR IS ACTIVATED. INSULATED FINAL 5' OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. SEE 3
- D CONDENSING DRYERS NO VENTING REQUIRED —
- $\langle E \rangle$ FOR ERV DETAILS, SEE (2) $\langle ERV \rangle$ 6" OA, 6" EXH, & 6" SA
- F 6"ø HOOD DUCT TO ROOF TOP DOGHOUSE VIA SOFFIT(S) AND SHAFT(S)
 PROVIDED. BACK DRAFT DAMPER INTEGRAL TO HOOD. INSULATED FINAL 5'
 OF DUCTWORK. NO DUCTWORK SHALL PENETRATE RATED ASSEMBLY. HOOD
 FAN TO OPERATE INTERMITTENTLY
- igg(G igg) X kw wall(see plans) heater qmark awh4404f or equal. Equipment by electrical contractor. Shown for reference only.
- $\langle H \rangle$ DUCTED FAN COIL DETAIL, SEE $\begin{pmatrix} 6 \\ M6.01 \end{pmatrix}$
- (I) EXTERIOR EXHAUST SEE (2) MAINTAIN 36" CLEAR TO OPERABLE WINDOWS AND DOORS.
- \sqrt{J} SUPPLY/EXHAUST FOR ERV, CFM AND GRILLE SIZE SEE $\frac{9}{M6.01}$
- $\langle K \rangle$ FIRE PENETRATION DETAILS, SEE $\begin{pmatrix} 1 \\ M6.02 \end{pmatrix}$
- PTHP (PACKAGED TERMINAL HEAT PUMP) WITH FACTORY WALL SLEEVE, CONDENSATE DRAIN KIT, AND 42X16 ALUMINUM ARCHITECTURAL GRILLE AT EXTERIOR. INSTALL GRAVITY CONDENSATE DRAIN KIT, PLUMBING CONTRACTOR TO MAKE CONNECTION AT DRAIN KIT AND CONTINUE DRAIN LINE TO AN APPROVED LOCATION. SEE
- M REFRIGERANT LINE SETS FROM CONDENSING UNITS TO FAN COILS ON LEVEL 1.
- $\langle N \rangle$ COVE STYLE WALL HEATERS FOR LIVING UNITS, 1125 W (94" LONG) FOR 1&2 BEDROOM LIVING UNITS. INSTALL AT 90" AFF.

SHAF	T DUCT	SIZES						
FLOOR	SUPPLY AIR	CFM	RETURN AIR	CFM	UNIT			
ATTIC	24 X 20	2400	24 X 20	2400	RTU-1			
5TH	24 X 20	2400	24 X 20	2400	RTU-1			
4TH	24 X 16	1920	24 X 16	1920	RTU-1			
3RD	24 X 16	1440	24 X 16	1440	RTU-1			
2ND	24 X 12	960	24 X 12	960	RTU-1			
1ST	24 X 12	480	24 X 12	480	RTU-1			
<u>VENTIL</u>	ATION CALCULATIO	NS:						
DWELLING UNIT >500SQ FT, VENTILATED BY MECHANICAL VENTILATION WITH ERV'S. DWELLING UNIT <500SQ FT, VENTILATED BY MECHANICAL VENITLATION, V PTHP (SIZED PER ASHRAE 62.2).								
_	YS ARE VENTILAT Q FT REQUIREMEN		ZED TO EXCEED	THE MINIM	UM 0.06			

SEE VENTILATION SCHEDULES FOR OTHER UNITS.





EXPIRES: 31DEC23

TM

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IONICA STATION APARTMENTS BUILDING
OTH AND W BASELINE

REMBOLD PROPER

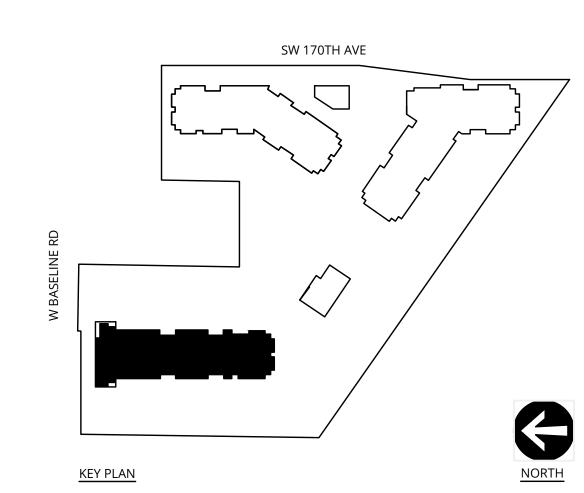
REVISION DATE REASON FOR ISSUE

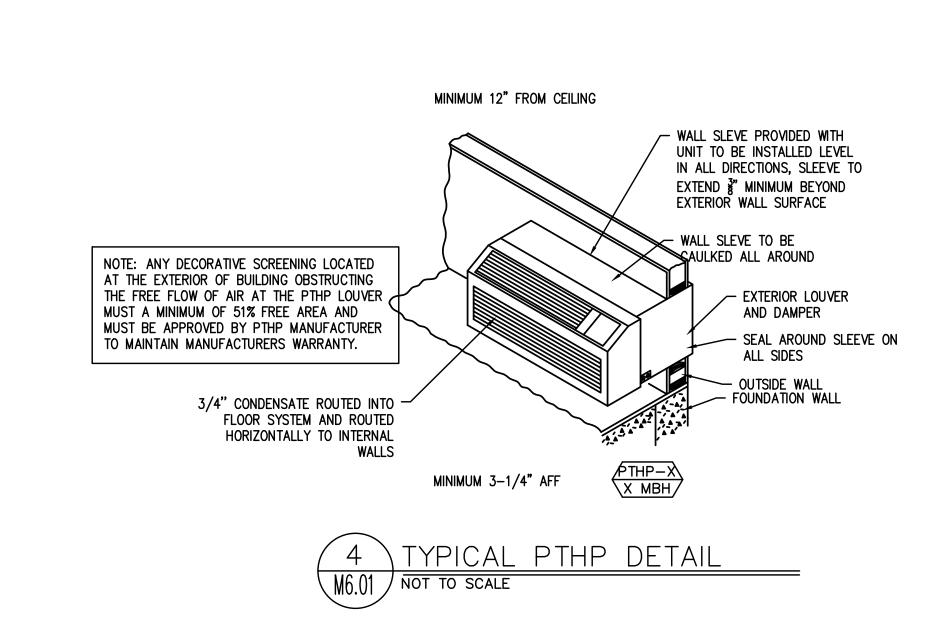
MECHANICAL PLAN - ROOF

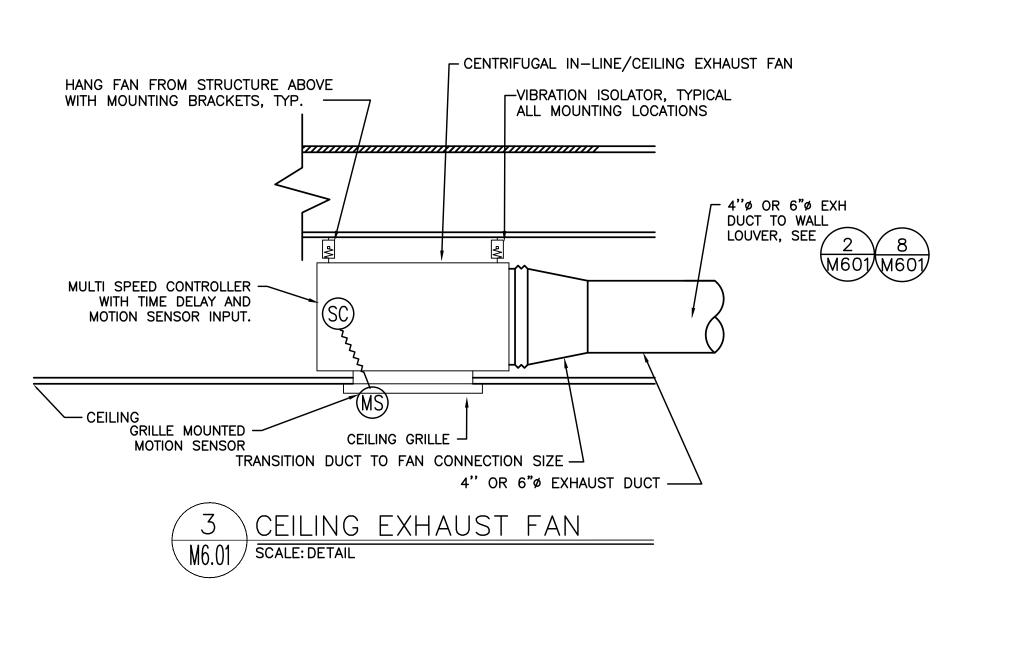
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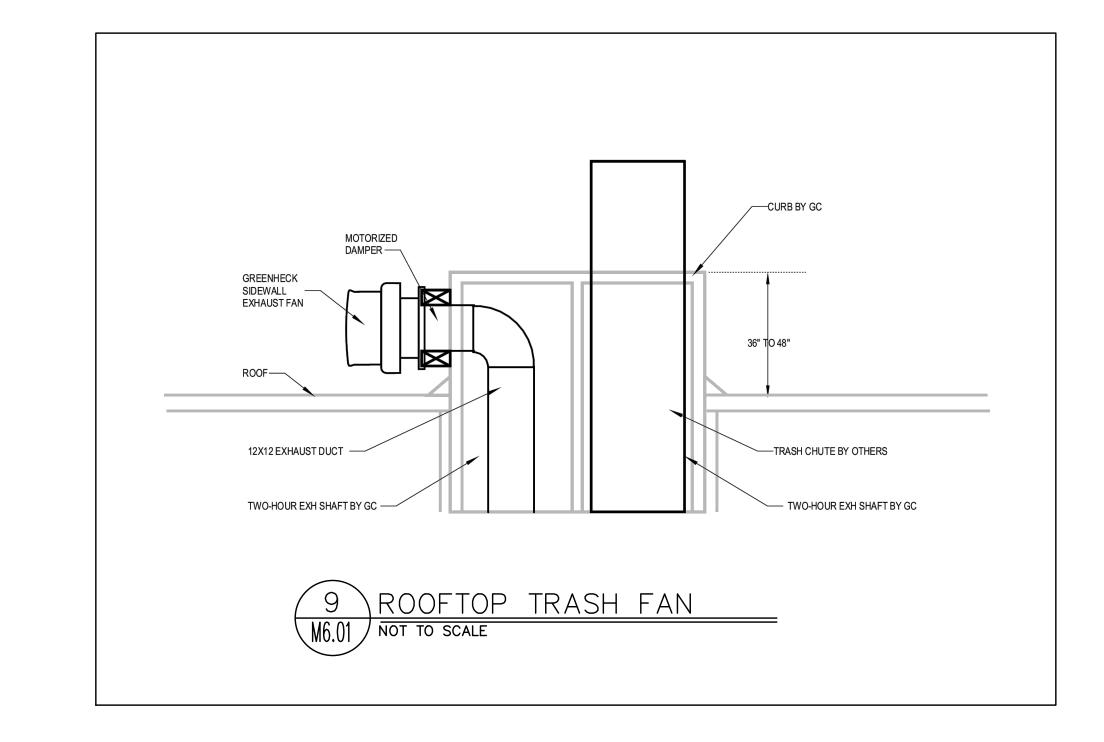
DATE PROJECT NUMBER 09/23/2022 215390

M2.07-1

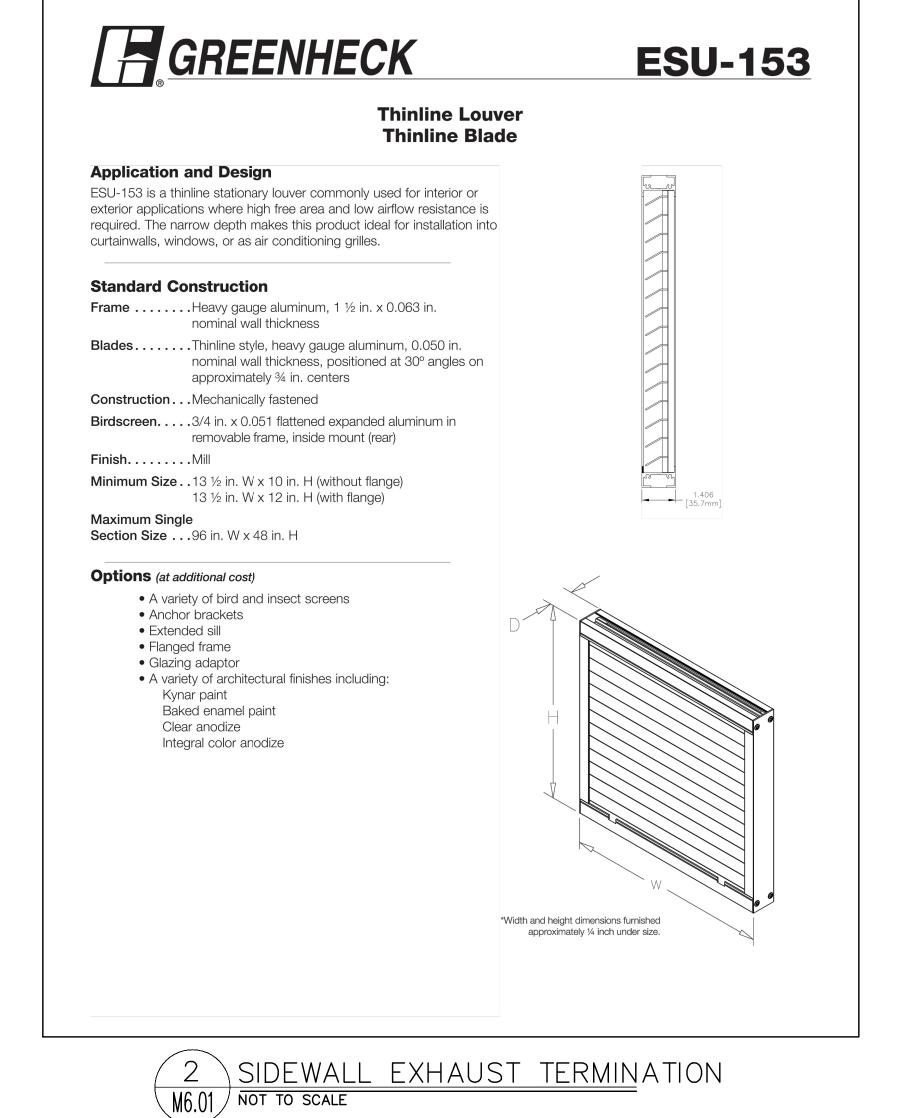


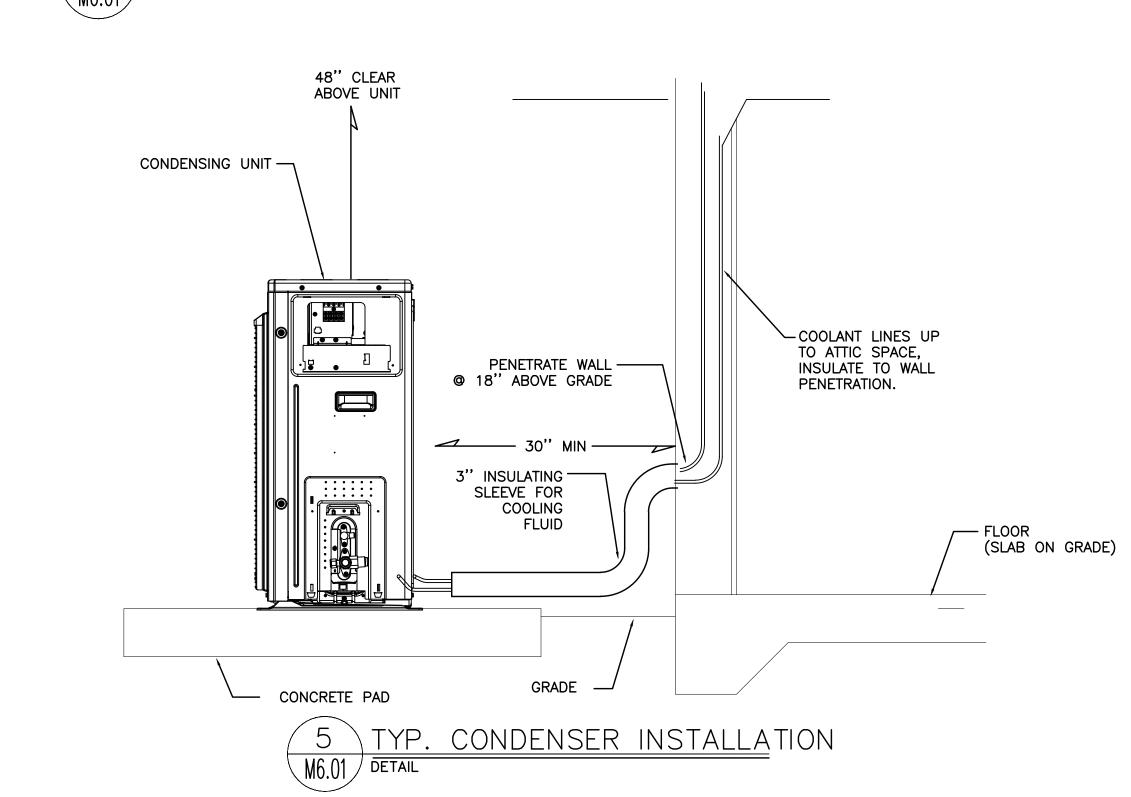


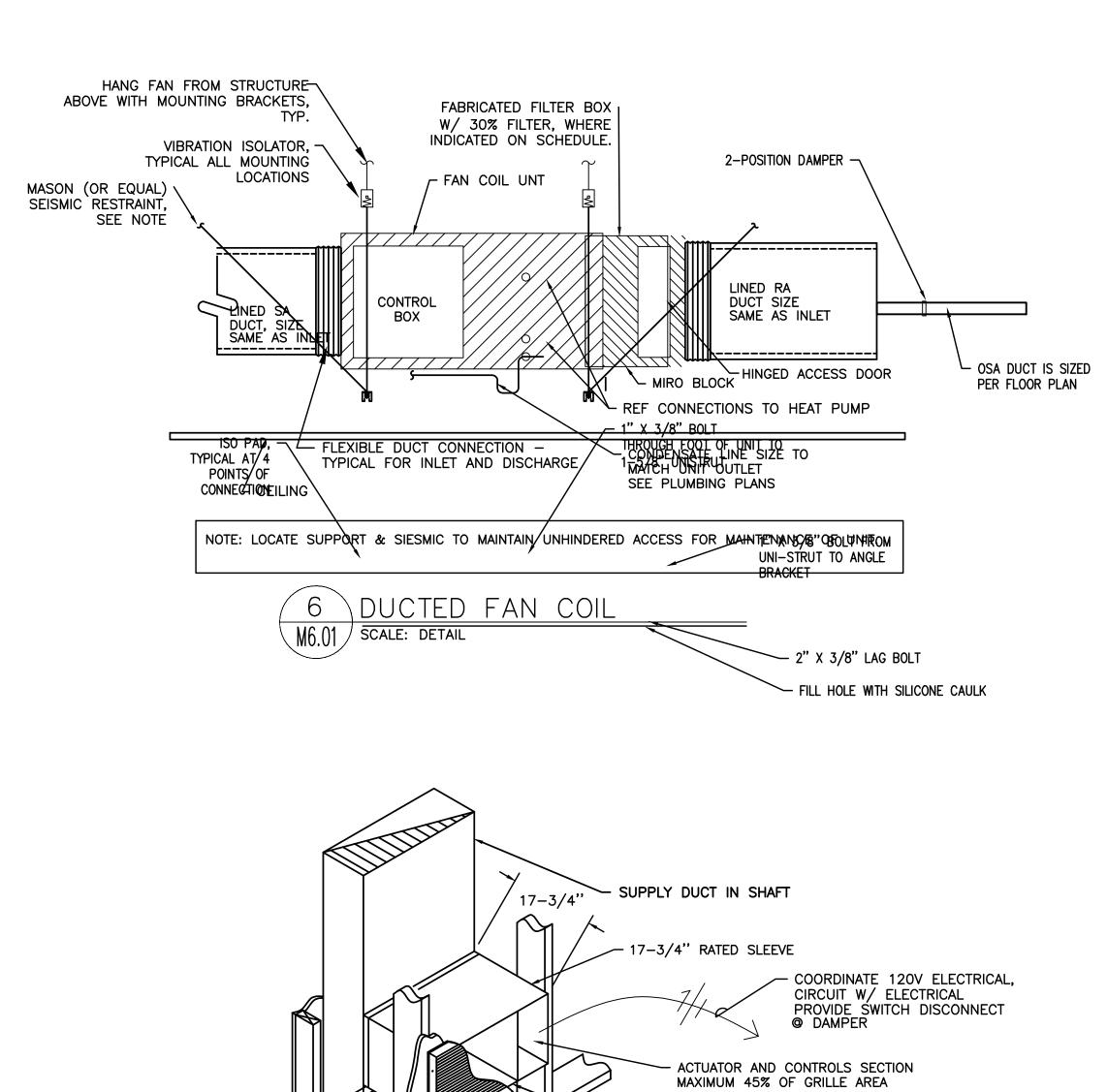




TRANSFORMER, SEE DIV. 16-



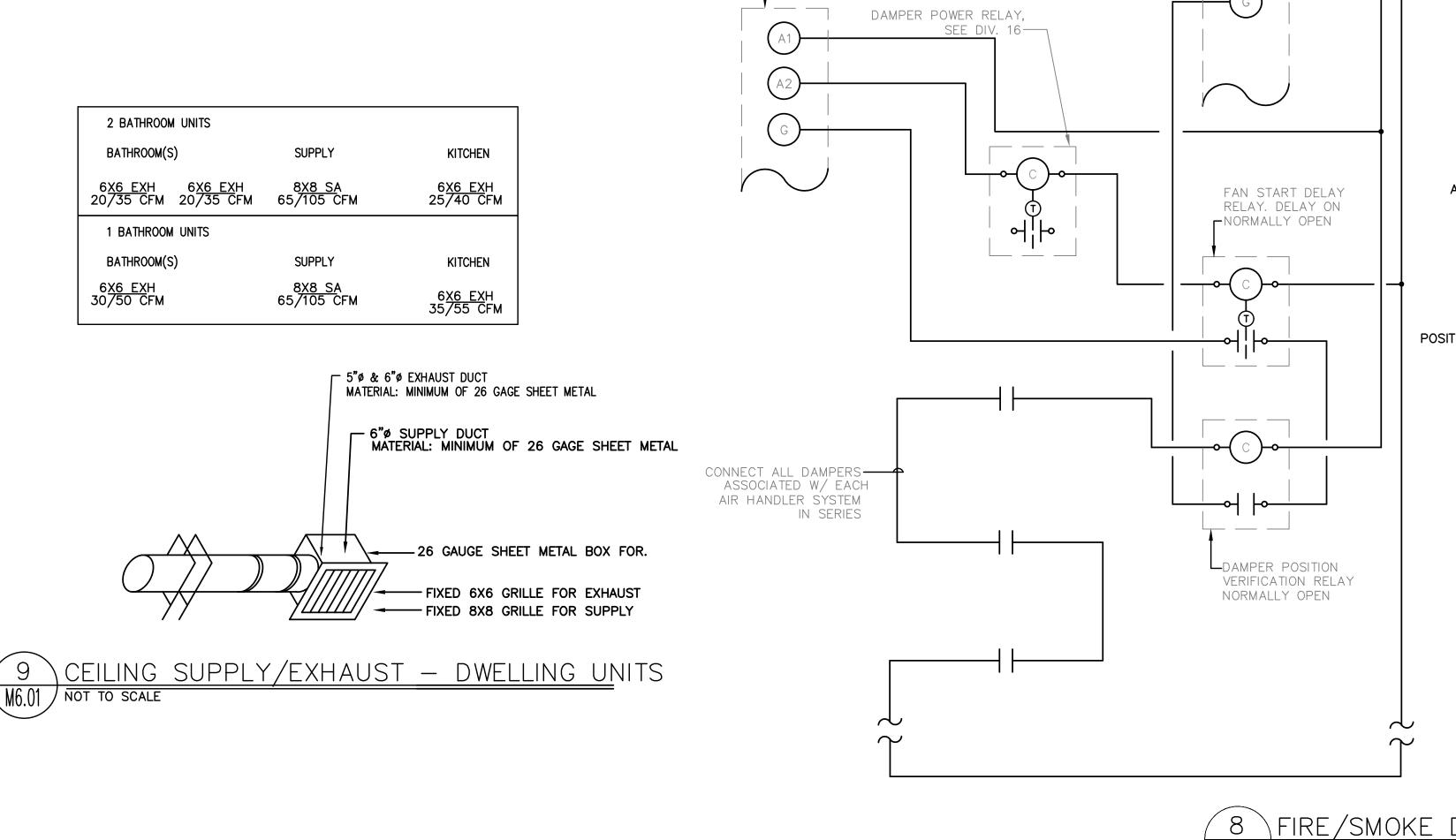


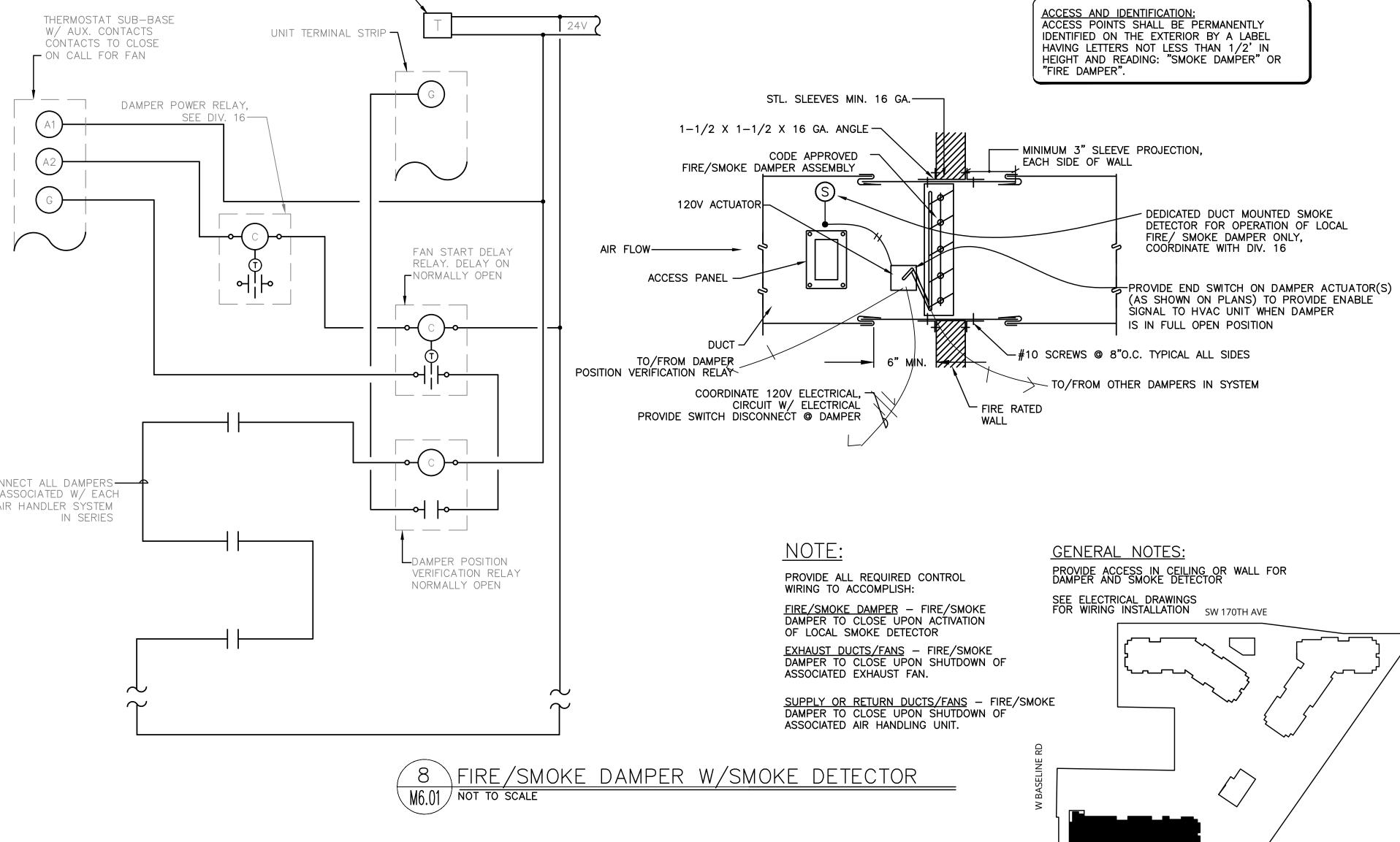


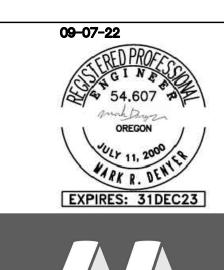
HIGH SUPPLY W/ FIRE/SMOKE DAMPER

HIGH SUPPLY @ 80" AFF

M6.01 SCALE: DETAIL







Ankrom Moisan

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REVISION DATE REASON FOR ISSUE

MECHANICAL DETAILS

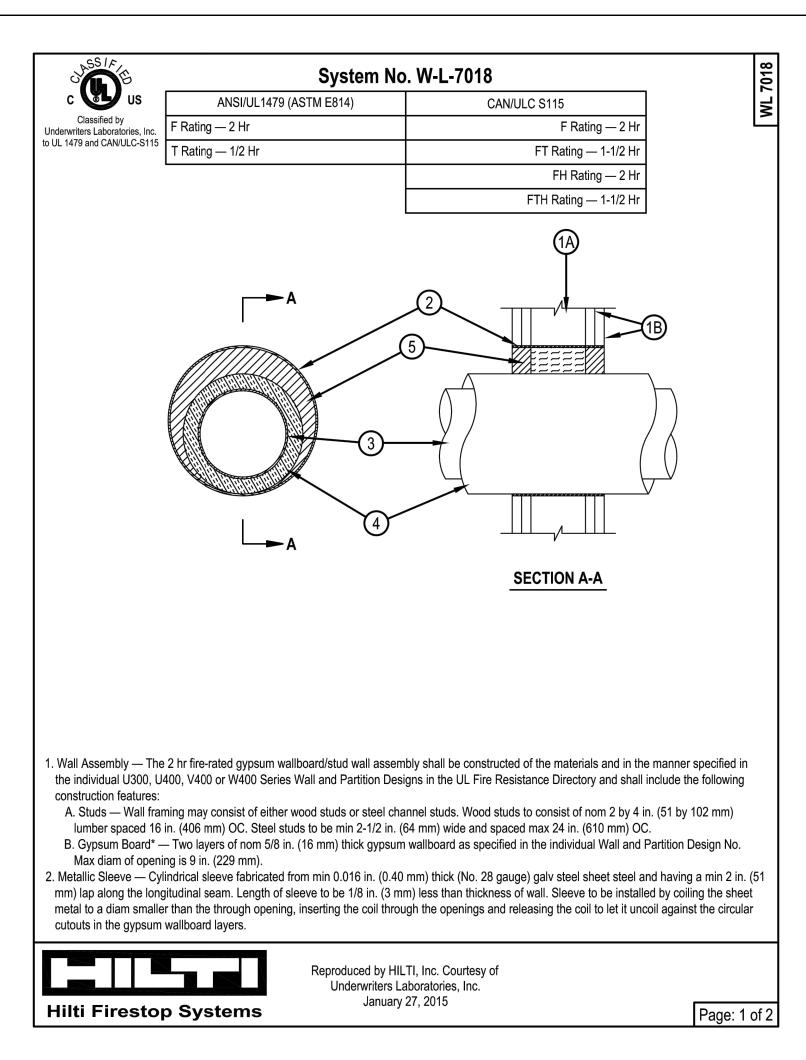
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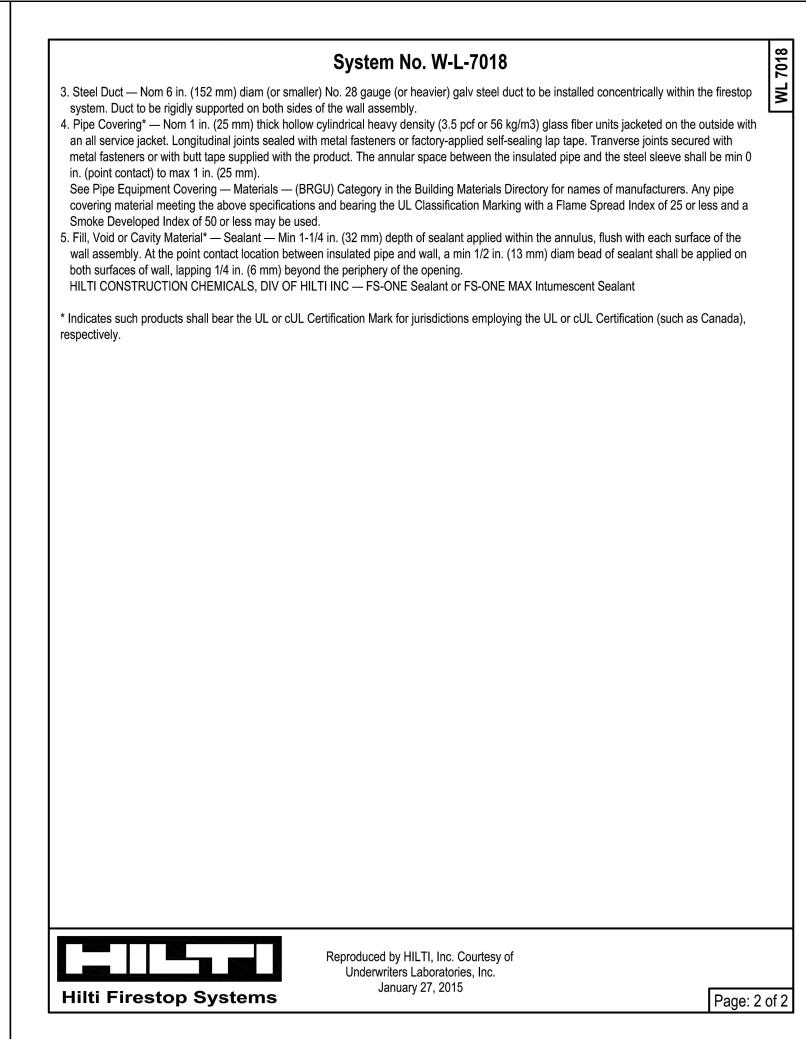
NORTH

KEY PLAN

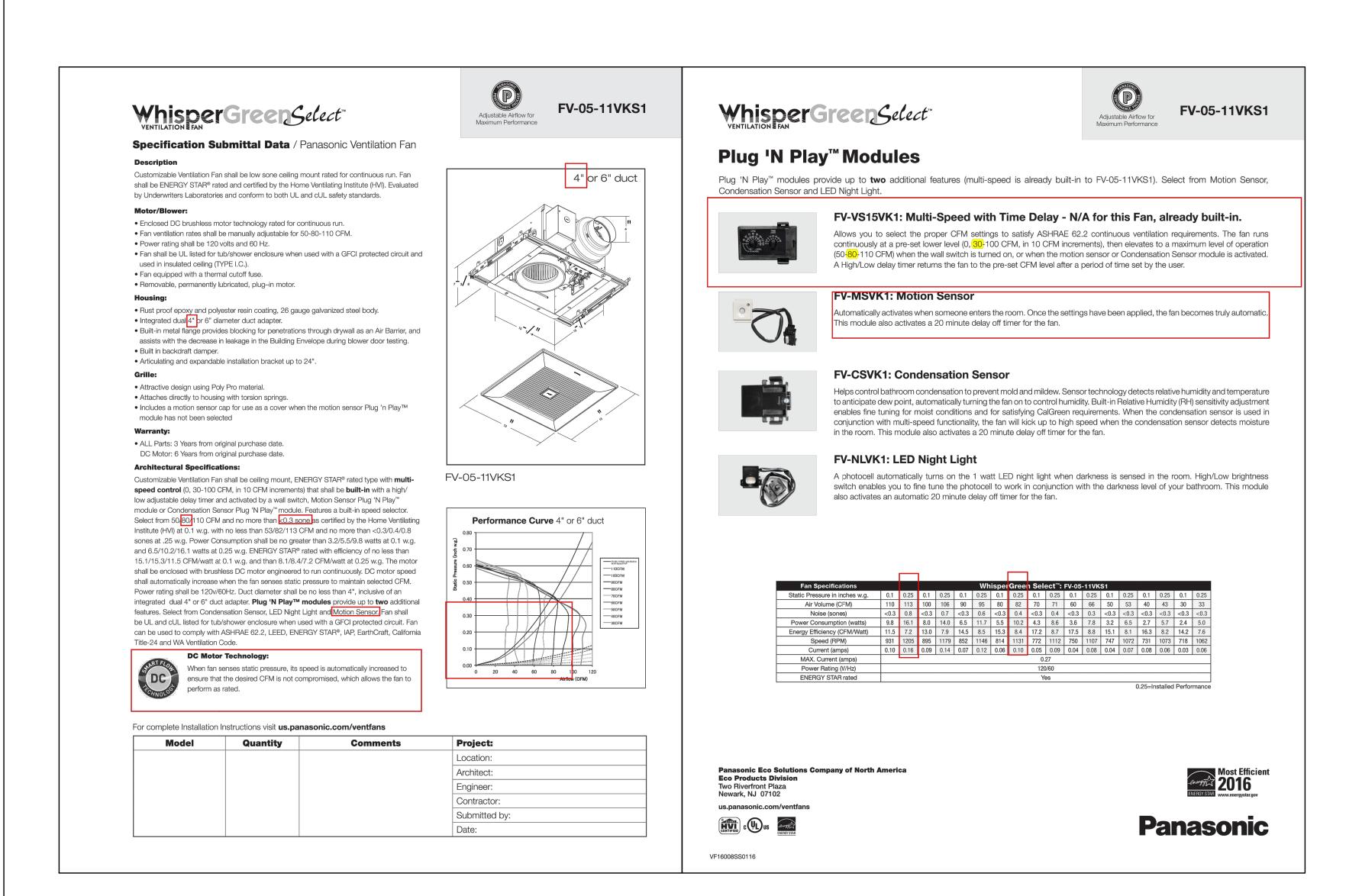
PROJECT NUMBER 09/23/2022 215390

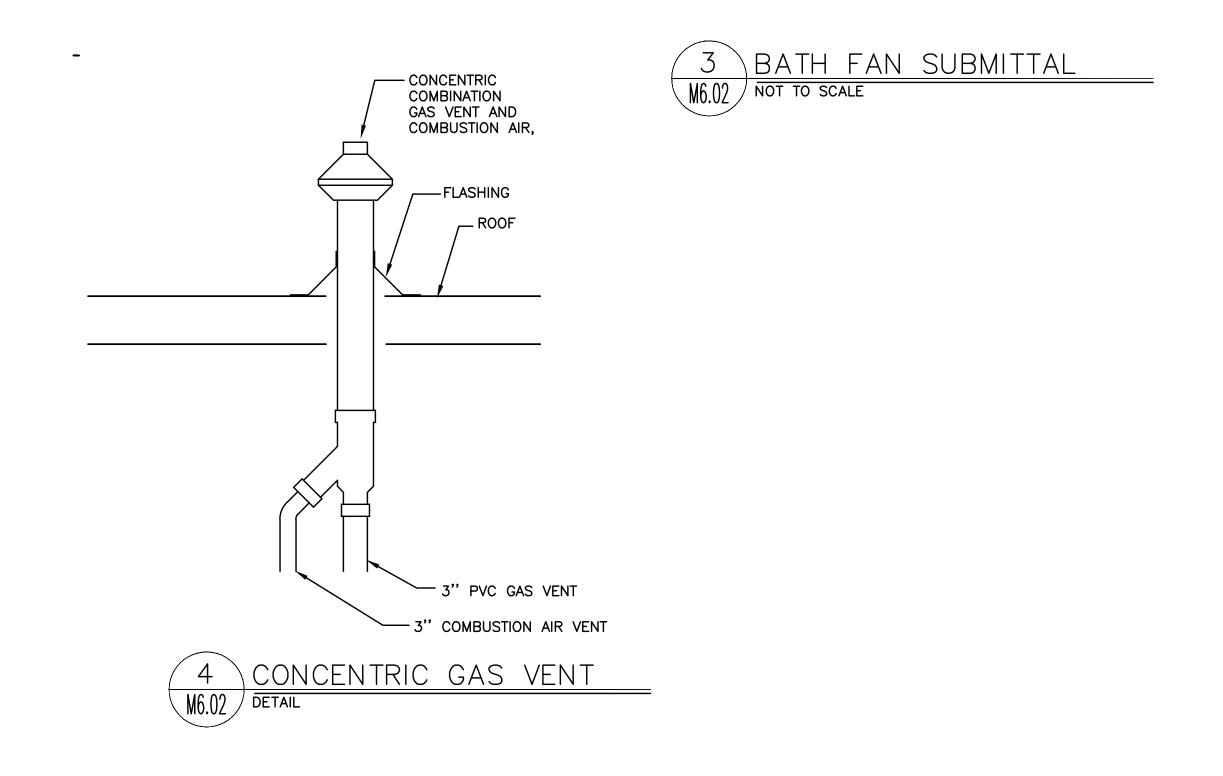
M6.01-1

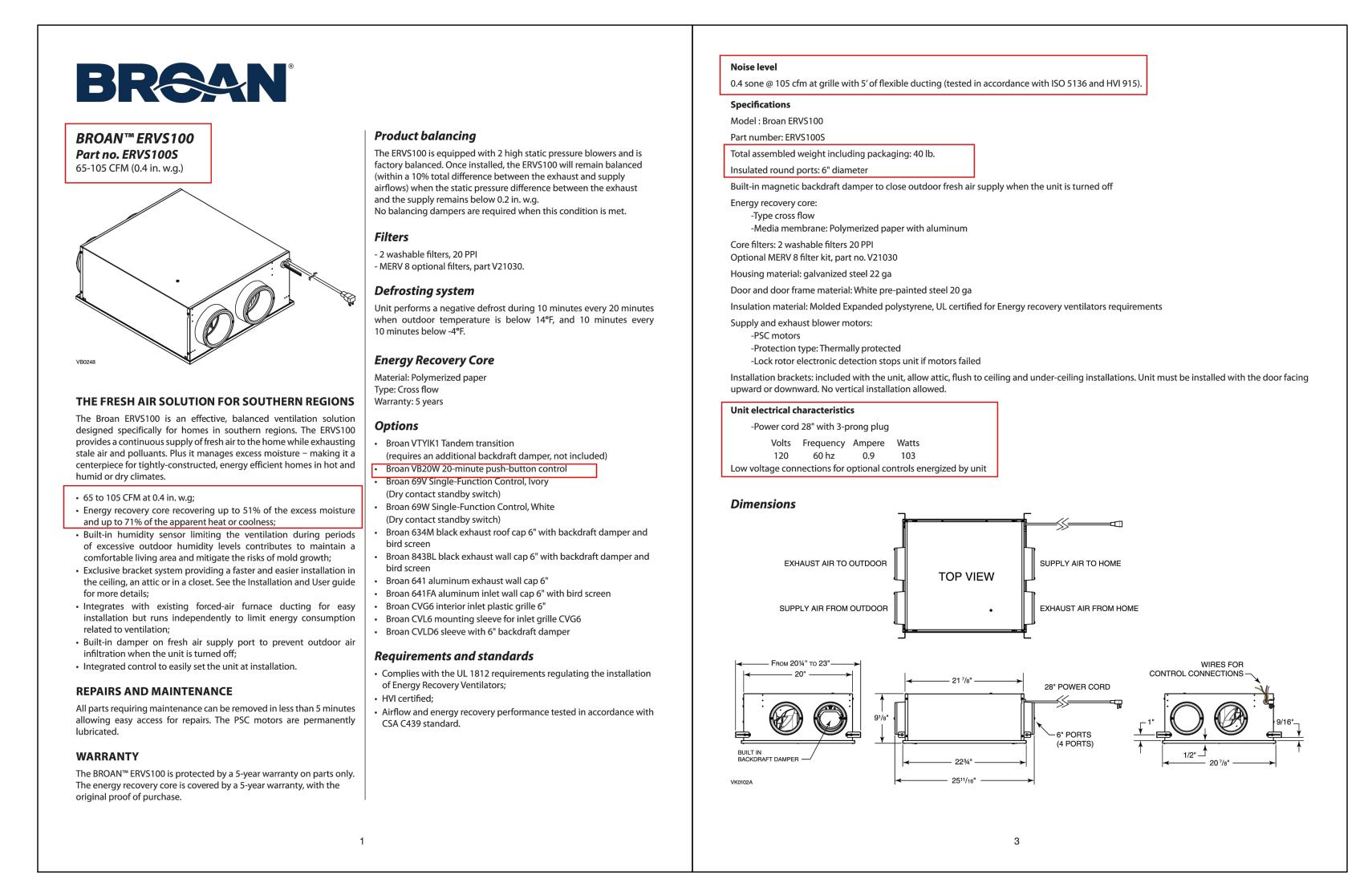












EQUIPMENT CAPACITY VERIFICATION

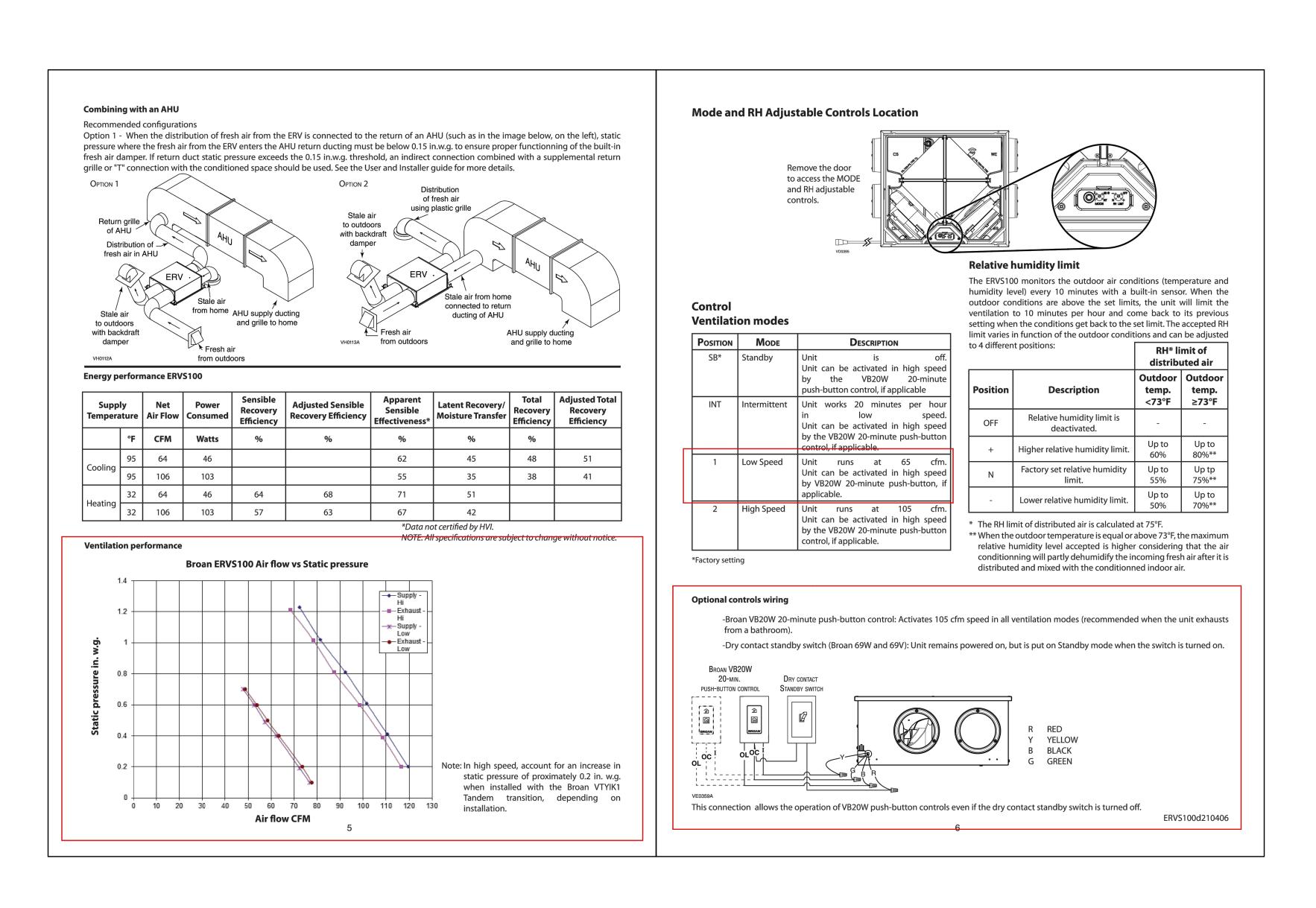
THE ERV IS RATED FOR 105 CFM AT 0.4" OF STATIC — DESIGN CONDITION OF WORST CASE UNIT IS 0.372"(HIGH SPEED) & 0.216" (LOW SPEED). MINIMUM REQUIRED VENTILATION FOR THE TWO BEDROOM UNIT IS 60 CFM AND A ONE BEDROOM IS 45 CFM.

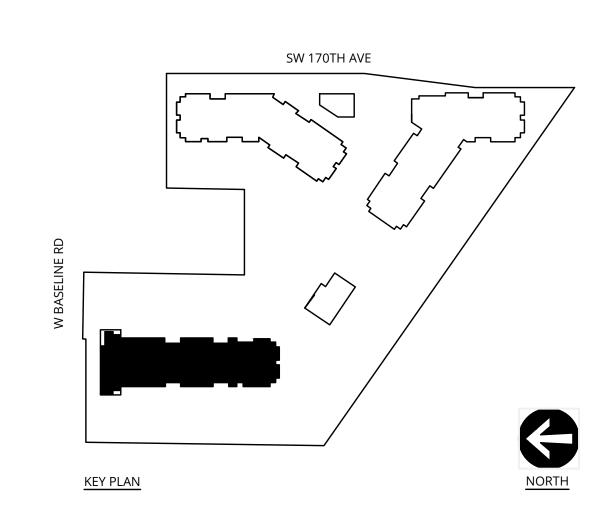
MINIMUM EXH CFM FOR A 1 BATHROOM UNIT IS 45 CFM AND A TWO BATHROOM UNIT IS 65 CFM. THE ERV FOR ALL UNITS WILL OPERATE AT 65 CFM CONTINUOUS AND BOOST TO 105 CFM WITH WALL SWITCH (20 MINUTE TIMER).



FULL SIZE INTEGRAL ACCESS PANEL FOR ERV S-100 UNIT ACCESS DOOR IS ALSO CEILING ACCESS PANEL. UNIT INSTALLED IN A NON-RATED CEILING. ACCESS DOOR CONTAINS FAN CUT-OFF SWITCH (FAN DISCONNECT) TO ALLOW SERVICE OF ERV.

2 ERV SUBMITTAL/DETAILS M6 02 DETAIL







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M6.02-1