

## MECHANICAL PERMIT APPLICATION

City of Portland, Oregon - Bureau of Development Services
1900 SW 4th Avenue, Portland, Oregon 97201 • 503-823-7363 • TTY 503-823-6868 • www.portlandoregon.gov/bds

Type of work			This permit application expires			
New construction Addition/alteration/replacement			obtained within 180 days after it has been accepted as complete.			
□ Demolition	Other:			lee Ch	-   - 4	
Category of construction			Commercial Fee Schedule - I  Mechanical permit fees* are based on the			
☐ 1 & 2 family dwelling Commer	cial/industrial	☐ Accessory building	performed. Indicate the value (rounded to mechanical materials, equipment, labor,	o the near	est dolla	r of all
☐ Multifamily ☐ Master b	ouilder	Other:	Value: \$ 60,466.00	<u> </u>	ana pron	
Job site information and location			Residential Equipment / Syst	ems Fe	es	
Job no.: <b>5 1 0 3 2</b> Job address: 220 SI	E 1/3rd Ava		For special information use checklist			
			Description	Qty.	Fee	Total
City/State/ZIP: Portland, OR 97233			Heating / cooling  Air conditioner (site plan required)		\$26	
Suite/bldg./apt. no.: Project nam	ne: Wild Ging	ger Apts - BUILDING 300	Furnace / burner including duct work /		\$55	
Cross street/directions to job site:			vent / liner Heat pump (site plan required)		\$51	
			Air handling unit		\$26	
Cultidicial and	Latra	Tay man/naraal na	Hydronic hot water system		\$32	
Subdivision:	Lot no.	Tax map/parcel no.	Residential boiler (radiator or hydronic)		\$32	
Description of work (example: upstai			includes piping Unit heaters (fuel type, not electric)			
CO # 18-257779 vent exhaus			in-wall, in-duct, suspended, etc.		\$26	
(provided & installed by others) to sidewall terminations via soffits			Vent for appliance other than furnace		\$22	
provided (3rd floor vent to roof)			Alteration of existing HVAC system		\$32	
provided (era neer vent to reer)			Other fuel appliances  Decorative gas fireplace		\$26	
			Flue vent for water heater or			
Provide RS permit no.			gas fireplace		\$22	
Property owner	Tenant		Wood / pellet stove		\$57	
Name: Relay Resources	E-mail:		Gas or wood fireplace / insert Chimney / liner / flue / vent	$\vdash$	\$57 \$22	
			Other:		\$32	
Address:			Environmental exhaust and ventilatio	n		
City/State/ZIP:			Range hood / other kitchen equipment		\$14	
Phone:	FAX:		Clothes dryer exhaust	$\vdash$	\$14	
Owner installation: This installation is being made or exchange.	n property that I own,	which is not intended for sale, lease, rent,	Single-duct exhaust (bathrooms, toilet compartments, utility rooms)		\$14	
Owner signature:		Date:	Exhaust system apart from Heating or AC		\$22	
Contractor	- V Subco	ntractor	Other:		\$32	
	V-		Gas fuel piping			
Business name: Jacobs HVAC	E-mail: al	ndreab@jacobsheating.com	ber of fuel gas piping outlets below:	tional. Plea	ase indic	ate num-
Address: 4474 SE Milwaukie Ave	Furnace, etc.					
City/State/ZIP: Portland, OR 97202	2		Gas heat pump Wall / suspended / unit heater			
Phone: 503-234-7331	FAX: 503	-296-5351	Water heater / boiler			
Lic. no.	CCB lic. no.	1441	Fireplace			
	$\sim$ $\sim$ 1	1	Range			
Authorized signature:	OU	(V)	Barbecue			
Print name: ANDREA BOWLDS		Date: 7/3/2019	Clothes dryer			
☑ Applicant	Conta	ct Person	Other:			
Business name: Jacobs Heating &			Other appliances Including oil tanks, gas and diesel			
4 1 D 11		8	generators, gas and electric kilns,		\$32	
Contact name: Andrea Bowlds			gas appliances / equipment not included above		402	
Address: 4474 SE Milwaukie Ave	2		Mechanical permit fees			
City/State/ZIP: 97202				5	Subtotal	
Phone: 503-234-7331	EAV. 503	-296-5351	Minimun	n permit fe	ee (\$95)	
		-270-3331	Commercial plan review (6	0% of per	mit fee)	
E-mail: Andreab@jacobsheating.c	om ————		State surcharge (1	2% of per	mit fee)	
RS Permit/No Fees Due	ermit/No Fees Due			IT FEE		

- Residential Combo permit subcontractor submittals only can be faxed to 503-823-7693 or e-mailed to BDSSublabels@portlandoregon.gov.
- Residential FIR permit subcontractor submittals can be faxed to 503-823-7425.

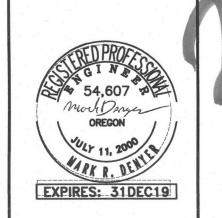
· 19-188547-MT

## **GENERAL NOTES**

- FOR ADDITIONAL EQUIPMENT INFORMATION AND REQUIREMENTS, SEE SPECIFICATIONS & EQUIPMENT SUBMITTALS
- MAINTAIN WALL ASSEMBLY FIRE RATING FOR INSTALLATION OF WALL HEATERS IN FIRE RATED WALLS. COORDINATE INSTALLATION WITH ARCHITECTURAL DRAWINGS.
- ALL ELECTRIC HEATERS PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. TYPICAL ALL UNITS.
- ALL DWELLING UNITS ARE VENTILATED BY NATURAL VENTILATION. OPERABLE WINDOWS & DOORS. AREAS HAVE BEEN SIZED TO PROVIDE A MINIMUM OF 4% OF THE FLOOR AREA.
- ALL EQUIPMENT AND DUCTWORK IS LOCATED BELOW RATED ASSEMBLY.

## **○ KEY NOTES**

- A. EF-1 CEILING EXHAUST FAN PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR JACOBS TO DUCT 4"Ø EXHAUST VENT TO EXTERIOR WALL AND/OR ROOF TERMINATION VIA SOFFIT(S) PROVIDED. FAN AND DUCTWORK BELOW RATED
- 6"Ø HOOD EXHAUST ROUTED TO EXTERIOR WALL AND/OR ROOF TERMINATION VIA SOFFIT(S) PROVIDED. KEEP DUCT AS HIGH IN SPACE AS POSSIBLE. BACK DRAFT DAMPER INTEGRAL TO HOOD. HOOD TO OPERATE INTERMITTENTLY. ALL DUCTWORK TO BE BELOW RATED ASSEMBLY. HOOD FAN TO OPERATE INTERMITTENTLY.





ER 13RD AN GINO 222 SE WILD 212 A

City of Portland REVIEWED FOR CODE COMPLIANCE

JUL 0 3 2019

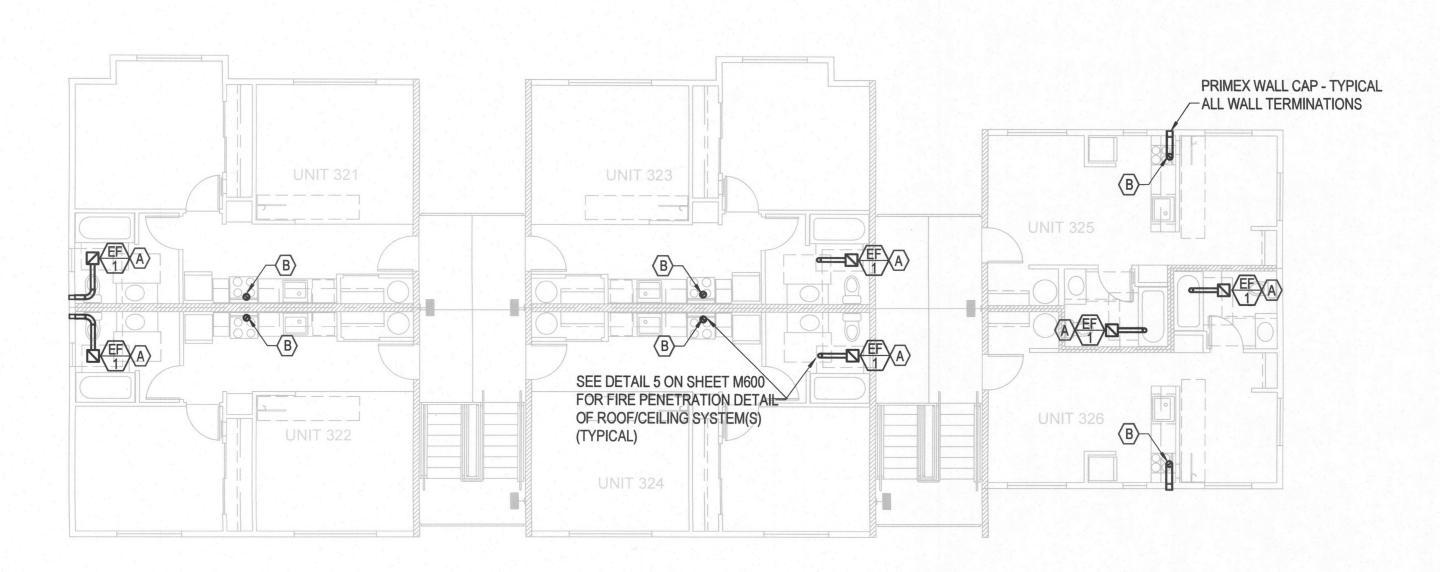
Permit Number

City of Portland Bureau of Development Services

By Sw Date 1/3//1
Approved by
Planning and Zoning Review

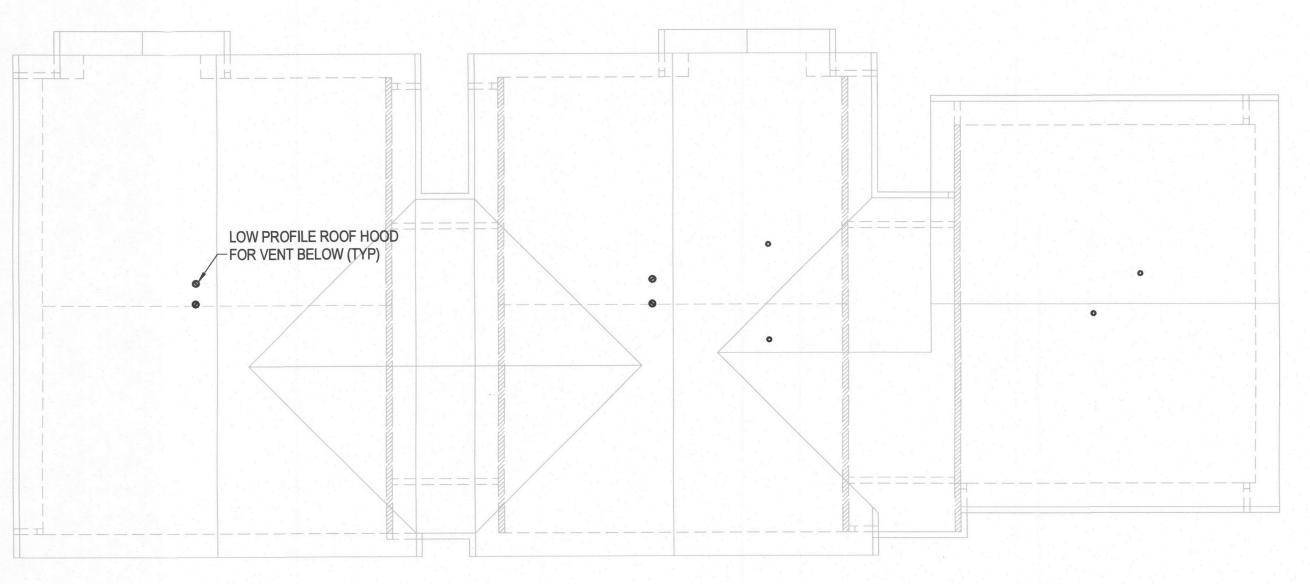
HVAC PLANS BUILDING 300

M300



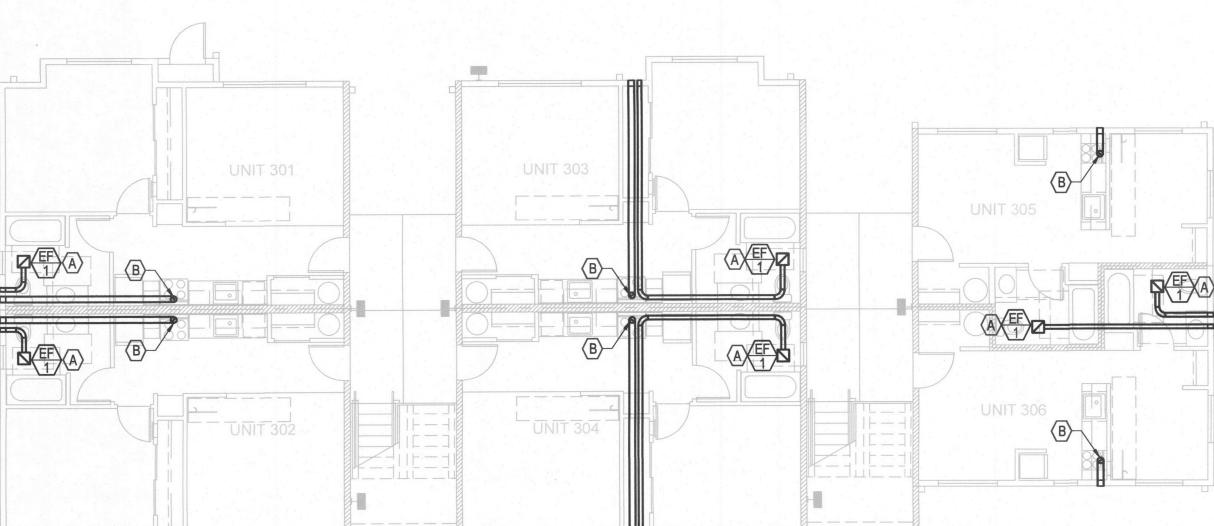


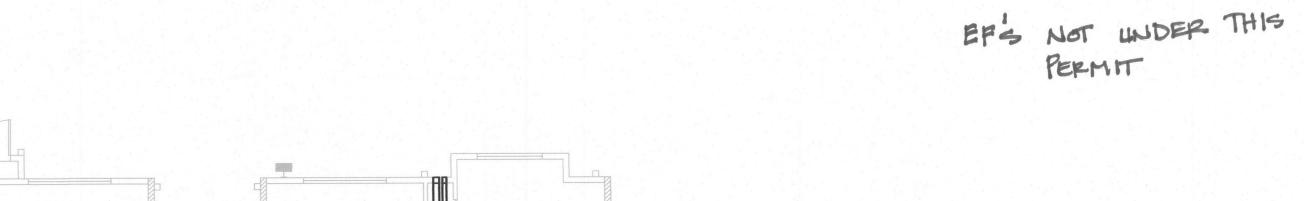


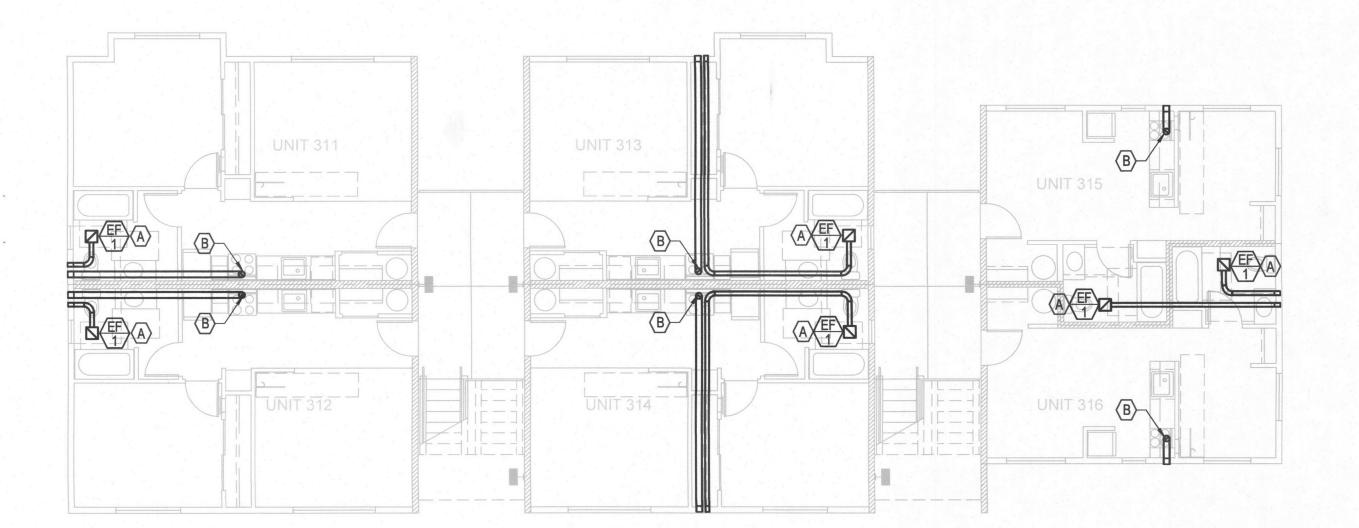








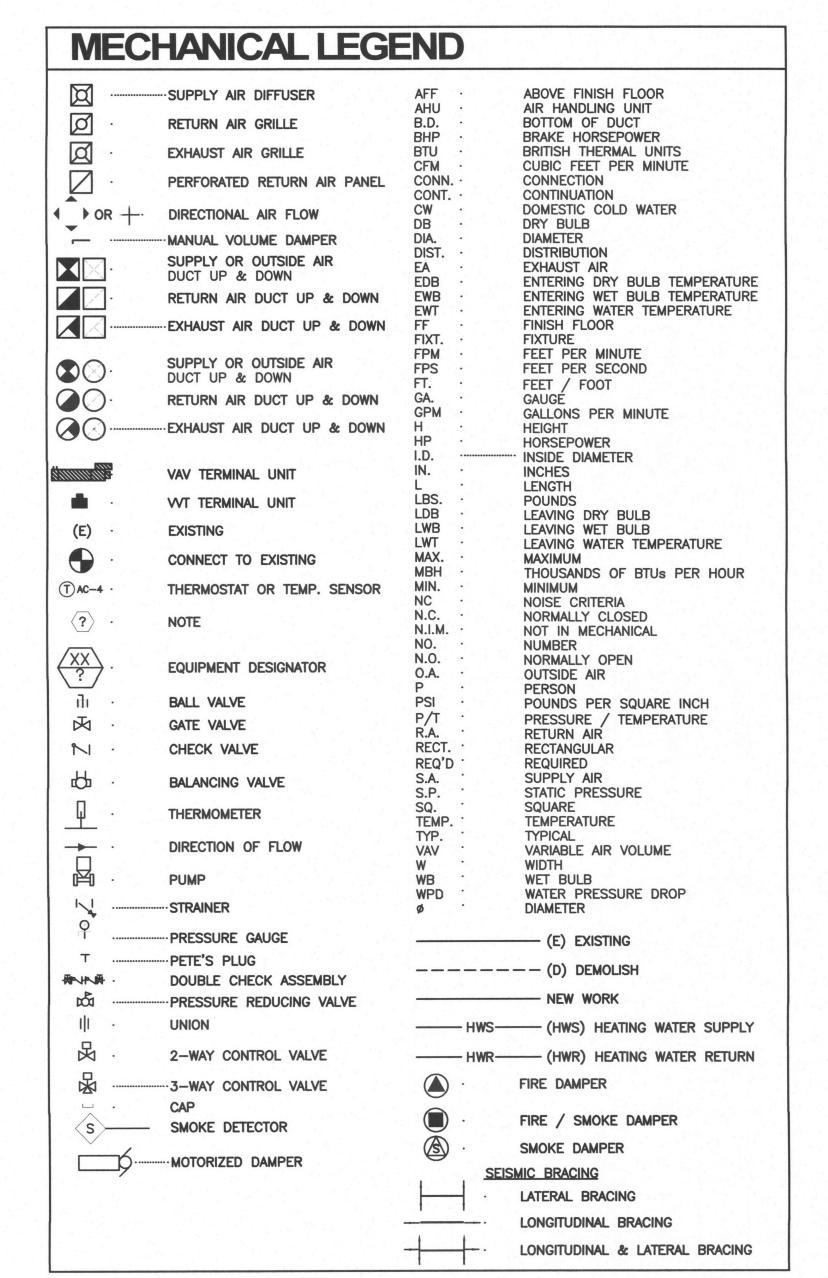












EXHAUST FAN PROVIDED AND ELECTRICAL CO	INSTALLED BY ONTRACTOR
MARK NUMBER	EF 1
TYPE	CEILING CABINET
SYSTEM	BATHROOM
CFM	30/90
TOTAL SP. (IN H20)	0.20
RPM	1062/1146
TIP SPEED (FPM)	NA
MOTOR WATTS OR HP	5/11.7 W
CONTROLLED BY	*
INTERLOCK WITH	MOTION SENSOR
FAN SPEED CONTROLLER	YES
WHEEL TYPE	BI
BACK DRAFT DAMPER	YES
ISOLATION	RUBBER
DESIGN WEIGHT (LBS)	25
MAX. SONES	0.3/0.6
MAX AMPS - ***	0.27
POWER (VOLTS/PHASE/HZ) - ***	120/1/60
BASIS OF DESIGN:	PANASONIC
	FV-05-11VKS2

HANG FAN FROM STRUCTURE WITH MOUNTING BRACKETS

AND ISOLATION PADS —

SPEED CONTROLLER -

(VERIFY WITH EQUIPMENT

SCHEDULE TO SEE IF APPLICABLE)

— CEILING EXHAUST FAN

- EXHAUST GRILLE

**CEILING EXHAUST FAN - NON RATED LOCATION** 

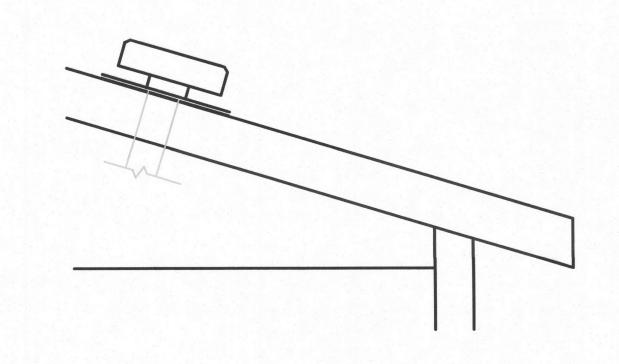
- EXHAUST DUCT SIZE

AS INDICATED ON PLANS

-NON-RATED CEILING

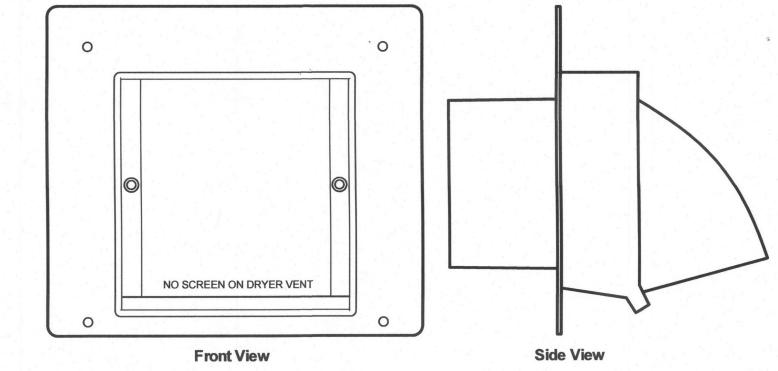
NTS

UPON ACTIVATION OF THE MOTION SENSOR. \*\* - PROVIDE PANASONIC CONDENSATION SENSOR FV-CSVK1 \*\*\* - PROVIDE PANASONIC CEILING RADIATION DAMPER PC-RD05C5 \*\*\*\* - ELECTRICAL DATA LISTED FOR REFERENCE ONLY, COORDINATE WITH ELECTRICAL DEIGN BUILD CONTRACTOR FOR VOLTAGE AND PHASE REQUIREMENTS



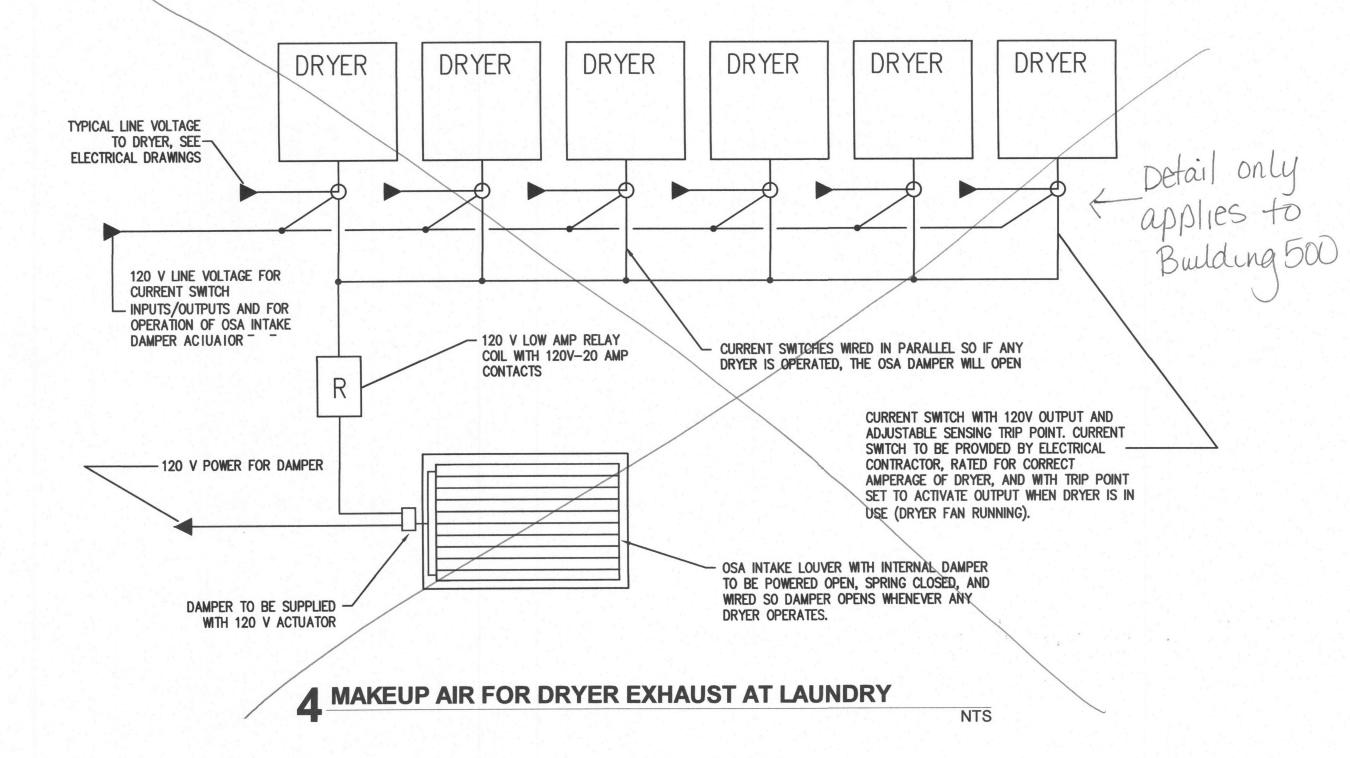
3 LOW PROFILE ROOF EXHAUST HOOD

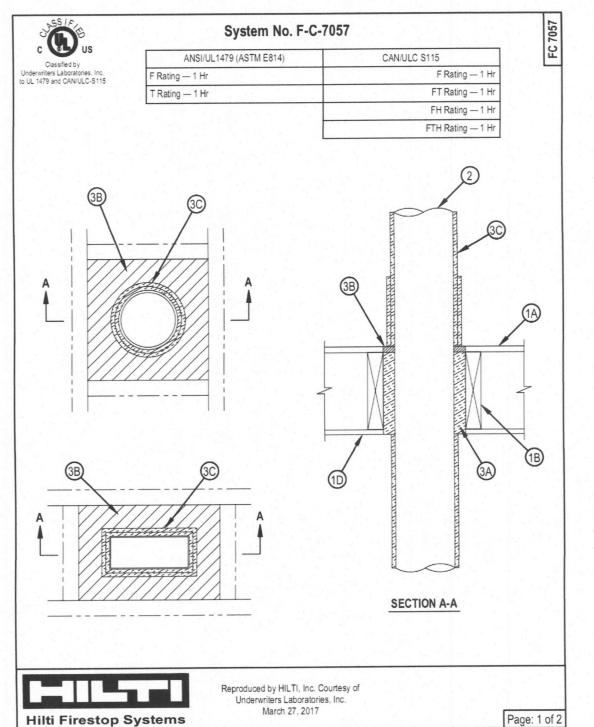


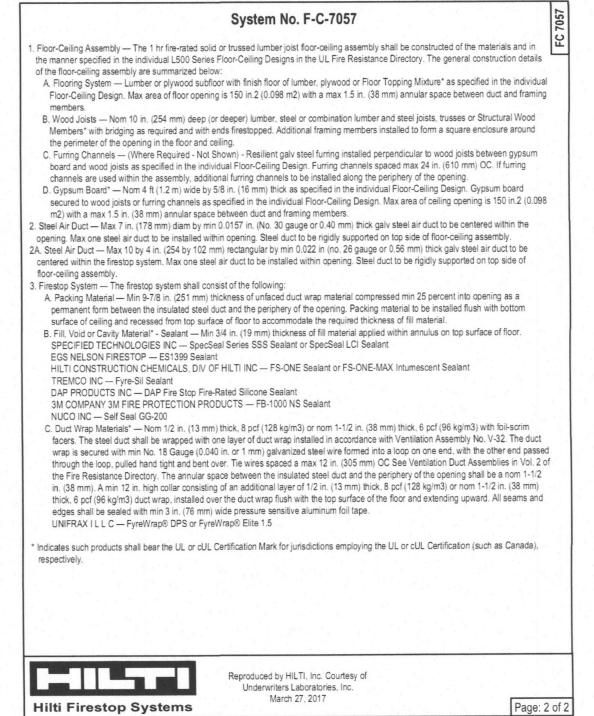


PRIMEX WALL CAPS FOR ALL BATH AND HOOD EXHAUST WALL TERMINATIONS

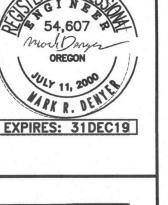
**?** PRIMEX WC WALL CAP







OREGON MAN R. DEN EXPIRES: 31DEC19



INC. WWW.MFIA-ENG.COM

JUL 0 3 2019 **HVAC DETAILS** 

Permit Number