

SUPPLY FAN SCHEDULE

MARK	MANUFACTURER & MODEL	LOCATION	SERVICE	CFM	ESP (IN.)	ELECTRICAL		QTY	OPER. WT. (LBS.)	REMARKS
						V. / PH. / HZ.	POWER			
SF 1	PANASONIC FV-15NLS1 OR APPROVED EQUAL	AS SHOWN	OUTSIDE AIR SUPPLY	90	0.2	120/1/60	13.5 WATTS	76	17.4	1, 2, 3, 4
SF 2	GREENHECK CSP-A200 OR APPROVED EQUAL	AS SHOWN	OUTSIDE AIR SUPPLY	200	0.27	115/1/60	135 WATTS	5	23.0	1, 2, 3, 4

1. PROVIDE WITH CEILING GRILLE VIBRATION ISOLATOR KIT, FAN TERMINATION CAP WITH BIRD SCREEN AND BACK DRAFT DAMPER.
2. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND PROVIDE WITH MERV 13 FILTER.
3. INTERLOCK WITH WHOLE HOUSE FAN (EF-1).
4. CONFIRM QUANTITY ON PLANS.

WHOLE HOUSE VENTILATION-UNIT A

<p>MINIMUM VENTILATION RATE, Eq.4.1:</p> <p>$Q_{fan} = 0.03(A_{floor}) + 7.5(N_{br} + 1)$ $Q_{fan} = 0.03(700) + 7.5(1 + 1)$ $Q_{fan} = 21.0 + 15.0$ $Q_{fan} = 36$ Qfan=36 CFM MINIMUM</p> <p>MINIMUM CALCULATED VENTILATION RATE IS 36 CFM. THE WHOLE HOUSE FAN (EF-4) IS SUFFICIENT TO PROVIDE THE MINIMUM REQUIREMENT OF THE WHOLE HOUSE VENTILATION. THE MECHANICALLY FAN VENTILATION METHOD IS USED TO EXHAUST A TOTAL OF 98 CFM OF AIR, WHICH MEETS OR EXCEEDS THE MINIMUM CALCULATED VENTILATION RATE OF 36 CFM.</p> <p>LEGEND: Q_{fan} = REQUIRED VENTILATION (CFM) A_{floor} = TOTAL CONDITIONED FLOOR AREA N_{br} = NUMBER OF BEDROOMS Q_r = VENTILATION REQ. FROM Eq. 4.1 f = DAILY FRACTIONAL ON TIME e = VENTILATION EFFECTIVENESS (TABLE 4.8) Q_f = MIN. FAN FLOW RATE DURING ON CYCLE (cfm)</p>

WHOLE HOUSE VENTILATION-UNIT D

<p>MINIMUM VENTILATION RATE, Eq.4.1:</p> <p>$Q_{fan} = 0.03(A_{floor}) + 7.5(N_{br} + 1)$ $Q_{fan} = 0.03(700) + 7.5(1 + 1)$ $Q_{fan} = 21.0 + 15.0$ $Q_{fan} = 36$ Qfan=36 CFM MINIMUM</p> <p>MINIMUM CALCULATED VENTILATION RATE IS 36 CFM. THE WHOLE HOUSE FAN (EF-4) IS SUFFICIENT TO PROVIDE THE MINIMUM REQUIREMENT OF THE WHOLE HOUSE VENTILATION. THE MECHANICALLY FAN VENTILATION METHOD IS USED TO EXHAUST A TOTAL OF 98 CFM OF AIR, WHICH MEETS OR EXCEEDS THE MINIMUM CALCULATED VENTILATION RATE OF 36 CFM.</p> <p>LEGEND: Q_{fan} = REQUIRED VENTILATION (CFM) A_{floor} = TOTAL CONDITIONED FLOOR AREA N_{br} = NUMBER OF BEDROOMS Q_r = VENTILATION REQ. FROM Eq. 4.1 f = DAILY FRACTIONAL ON TIME e = VENTILATION EFFECTIVENESS (TABLE 4.8) Q_f = MIN. FAN FLOW RATE DURING ON CYCLE (cfm)</p>

WHOLE HOUSE VENTILATION-UNIT G

<p>MINIMUM VENTILATION RATE, Eq.4.1:</p> <p>$Q_{fan} = 0.03(A_{floor}) + 7.5(N_{br} + 1)$ $Q_{fan} = 0.03(625) + 7.5(1 + 1)$ $Q_{fan} = 18.75 + 15.0$ $Q_{fan} = 33.75$ Qfan=34 CFM MINIMUM</p> <p>MINIMUM CALCULATED VENTILATION RATE IS 34 CFM. THE WHOLE HOUSE FAN (EF-4) IS SUFFICIENT TO PROVIDE THE MINIMUM REQUIREMENT OF THE WHOLE HOUSE VENTILATION. THE MECHANICALLY FAN VENTILATION METHOD IS USED TO EXHAUST A TOTAL OF 98 CFM OF AIR, WHICH MEETS OR EXCEEDS THE MINIMUM CALCULATED VENTILATION RATE OF 34 CFM.</p> <p>LEGEND: Q_{fan} = REQUIRED VENTILATION (CFM) A_{floor} = TOTAL CONDITIONED FLOOR AREA N_{br} = NUMBER OF BEDROOMS Q_r = VENTILATION REQ. FROM Eq. 4.1 f = DAILY FRACTIONAL ON TIME e = VENTILATION EFFECTIVENESS (TABLE 4.8) Q_f = MIN. FAN FLOW RATE DURING ON CYCLE (cfm)</p>

WHOLE HOUSE VENTILATION-UNIT B

<p>MINIMUM VENTILATION RATE, Eq.4.1:</p> <p>$Q_{fan} = 0.03(A_{floor}) + 7.5(N_{br} + 1)$ $Q_{fan} = 0.03(700) + 7.5(1 + 1)$ $Q_{fan} = 21.0 + 15.0$ $Q_{fan} = 36$ Qfan=36 CFM MINIMUM</p> <p>MINIMUM CALCULATED VENTILATION RATE IS 36 CFM. THE WHOLE HOUSE FAN (EF-4) IS SUFFICIENT TO PROVIDE THE MINIMUM REQUIREMENT OF THE WHOLE HOUSE VENTILATION. THE MECHANICALLY FAN VENTILATION METHOD IS USED TO EXHAUST A TOTAL OF 98 CFM OF AIR, WHICH MEETS OR EXCEEDS THE MINIMUM CALCULATED VENTILATION RATE OF 36 CFM.</p> <p>LEGEND: Q_{fan} = REQUIRED VENTILATION (CFM) A_{floor} = TOTAL CONDITIONED FLOOR AREA N_{br} = NUMBER OF BEDROOMS Q_r = VENTILATION REQ. FROM Eq. 4.1 f = DAILY FRACTIONAL ON TIME e = VENTILATION EFFECTIVENESS (TABLE 4.8) Q_f = MIN. FAN FLOW RATE DURING ON CYCLE (cfm)</p>

WHOLE HOUSE VENTILATION-UNIT E

<p>MINIMUM VENTILATION RATE, Eq.4.1:</p> <p>$Q_{fan} = 0.03(A_{floor}) + 7.5(N_{br} + 1)$ $Q_{fan} = 0.03(780) + 7.5(2 + 1)$ $Q_{fan} = 23.4 + 22.5$ $Q_{fan} = 45.9$ Qfan=46 CFM MINIMUM</p> <p>MINIMUM CALCULATED VENTILATION RATE IS 46 CFM. THE WHOLE HOUSE FAN (EF-4) IS SUFFICIENT TO PROVIDE THE MINIMUM REQUIREMENT OF THE WHOLE HOUSE VENTILATION. THE MECHANICALLY FAN VENTILATION METHOD IS USED TO EXHAUST A TOTAL OF 98 CFM OF AIR, WHICH MEETS OR EXCEEDS THE MINIMUM CALCULATED VENTILATION RATE OF 46 CFM.</p> <p>LEGEND: Q_{fan} = REQUIRED VENTILATION (CFM) A_{floor} = TOTAL CONDITIONED FLOOR AREA N_{br} = NUMBER OF BEDROOMS Q_r = VENTILATION REQ. FROM Eq. 4.1 f = DAILY FRACTIONAL ON TIME e = VENTILATION EFFECTIVENESS (TABLE 4.8) Q_f = MIN. FAN FLOW RATE DURING ON CYCLE (cfm)</p>

WHOLE HOUSE VENTILATION-UNIT H

<p>MINIMUM VENTILATION RATE, Eq.4.1:</p> <p>$Q_{fan} = 0.03(A_{floor}) + 7.5(N_{br} + 1)$ $Q_{fan} = 0.03(600) + 7.5(1 + 1)$ $Q_{fan} = 18.0 + 15.0$ $Q_{fan} = 33$ Qfan=33 CFM MINIMUM</p> <p>MINIMUM CALCULATED VENTILATION RATE IS 33 CFM. THE WHOLE HOUSE FAN (EF-4) IS SUFFICIENT TO PROVIDE THE MINIMUM REQUIREMENT OF THE WHOLE HOUSE VENTILATION. THE MECHANICALLY FAN VENTILATION METHOD IS USED TO EXHAUST A TOTAL OF 98 CFM OF AIR, WHICH MEETS OR EXCEEDS THE MINIMUM CALCULATED VENTILATION RATE OF 33 CFM.</p> <p>LEGEND: Q_{fan} = REQUIRED VENTILATION (CFM) A_{floor} = TOTAL CONDITIONED FLOOR AREA N_{br} = NUMBER OF BEDROOMS Q_r = VENTILATION REQ. FROM Eq. 4.1 f = DAILY FRACTIONAL ON TIME e = VENTILATION EFFECTIVENESS (TABLE 4.8) Q_f = MIN. FAN FLOW RATE DURING ON CYCLE (cfm)</p>

WHOLE HOUSE VENTILATION-UNIT C

<p>MINIMUM VENTILATION RATE, Eq.4.1:</p> <p>$Q_{fan} = 0.03(A_{floor}) + 7.5(N_{br} + 1)$ $Q_{fan} = 0.03(530) + 7.5(1 + 1)$ $Q_{fan} = 15.9 + 15.0$ $Q_{fan} = 30.9$ Qfan=31 CFM MINIMUM</p> <p>MINIMUM CALCULATED VENTILATION RATE IS 31 CFM. THE WHOLE HOUSE FAN (EF-4) IS SUFFICIENT TO PROVIDE THE MINIMUM REQUIREMENT OF THE WHOLE HOUSE VENTILATION. THE MECHANICALLY FAN VENTILATION METHOD IS USED TO EXHAUST A TOTAL OF 98 CFM OF AIR, WHICH MEETS OR EXCEEDS THE MINIMUM CALCULATED VENTILATION RATE OF 31 CFM.</p> <p>LEGEND: Q_{fan} = REQUIRED VENTILATION (CFM) A_{floor} = TOTAL CONDITIONED FLOOR AREA N_{br} = NUMBER OF BEDROOMS Q_r = VENTILATION REQ. FROM Eq. 4.1 f = DAILY FRACTIONAL ON TIME e = VENTILATION EFFECTIVENESS (TABLE 4.8) Q_f = MIN. FAN FLOW RATE DURING ON CYCLE (cfm)</p>

WHOLE HOUSE VENTILATION-UNIT F

<p>MINIMUM VENTILATION RATE, Eq.4.1:</p> <p>$Q_{fan} = 0.03(A_{floor}) + 7.5(N_{br} + 1)$ $Q_{fan} = 0.03(690) + 7.5(1 + 1)$ $Q_{fan} = 20.7 + 15.0$ $Q_{fan} = 35.7$ Qfan=36 CFM MINIMUM</p> <p>MINIMUM CALCULATED VENTILATION RATE IS 36 CFM. THE WHOLE HOUSE FAN (EF-4) IS SUFFICIENT TO PROVIDE THE MINIMUM REQUIREMENT OF THE WHOLE HOUSE VENTILATION. THE MECHANICALLY FAN VENTILATION METHOD IS USED TO EXHAUST A TOTAL OF 98 CFM OF AIR, WHICH MEETS OR EXCEEDS THE MINIMUM CALCULATED VENTILATION RATE OF 36 CFM.</p> <p>LEGEND: Q_{fan} = REQUIRED VENTILATION (CFM) A_{floor} = TOTAL CONDITIONED FLOOR AREA N_{br} = NUMBER OF BEDROOMS Q_r = VENTILATION REQ. FROM Eq. 4.1 f = DAILY FRACTIONAL ON TIME e = VENTILATION EFFECTIVENESS (TABLE 4.8) Q_f = MIN. FAN FLOW RATE DURING ON CYCLE (cfm)</p>

WHOLE HOUSE VENTILATION-UNIT J

<p>MINIMUM VENTILATION RATE, Eq.4.1:</p> <p>$Q_{fan} = 0.03(A_{floor}) + 7.5(N_{br} + 1)$ $Q_{fan} = 0.03(520) + 7.5(1 + 1)$ $Q_{fan} = 15.6 + 15.0$ $Q_{fan} = 30.6$ Qfan=31 CFM MINIMUM</p> <p>MINIMUM CALCULATED VENTILATION RATE IS 31 CFM. THE WHOLE HOUSE FAN (EF-4) IS SUFFICIENT TO PROVIDE THE MINIMUM REQUIREMENT OF THE WHOLE HOUSE VENTILATION. THE MECHANICALLY FAN VENTILATION METHOD IS USED TO EXHAUST A TOTAL OF 98 CFM OF AIR, WHICH MEETS OR EXCEEDS THE MINIMUM CALCULATED VENTILATION RATE OF 31 CFM.</p> <p>LEGEND: Q_{fan} = REQUIRED VENTILATION (CFM) A_{floor} = TOTAL CONDITIONED FLOOR AREA N_{br} = NUMBER OF BEDROOMS Q_r = VENTILATION REQ. FROM Eq. 4.1 f = DAILY FRACTIONAL ON TIME e = VENTILATION EFFECTIVENESS (TABLE 4.8) Q_f = MIN. FAN FLOW RATE DURING ON CYCLE (cfm)</p>

REV	DESCRIPTION	DATE
1	DESIGN CHANGES	02/23/22
2	PC COMMENTS	11/22/22
3	PC COMMENTS	12/22/22

COASTAL FORM ARCHITECTS

2002 Jimmy Durante Blvd.
Suite 200
Del Mar, CA 92014

858.531.9884
www.coastalform.com
info@coastalform.com

**4060 OREGON STREET
48 MICRO UNIT APARTMENT**

4060 OREGON STREET,
SAN DIEGO, CA 92104

1115 6th Ave. #11
San Diego, CA 92101
phone: (619) 734-4488
fax: (619) 594-2992
eng@emr.com
www.emr.com



This set of plans and specifications shall be kept on the site of the structure or work at all times during which work authorized by these plans is in progress, and shall be made available to city officials upon request. It is unlawful to change, modify, or alter the approved plans and specifications without the approval of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, or Federal laws, or restrictions.

MECHANICAL SCHEDULES

PRJ-1045942
Nikola Stamenkovic

JOB NO: B1910-AA031
DRAWN: ME
CHECKED: CZ
SCALE: NONE
DATE: 10.21.2021

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