D1 ENLARGED TYPICAL UNIT TYPE 'B1' - MECHANICAL

1/4" = 1'-0"

NATURAL VENTILATION CALC. UNIT B1	
UNIT FLOOR AREA:	1,326
MIN. VENTILATION AREA: (UNIT AREA * 4%)	53.0
ACTUAL VENTILATION AREA: (OPERABLE OPENING AREA)	107.2

NATURAL VENTILATION CALCULATIONS BASED ON FLORIDA MECHANICAL CODE CHAPTER 4, SECTION 402.

ALL AREAS CALCULATED IN SQUARE FEET

NATURAL VENTILATION CALC. UNIT B2S	
UNIT FLOOR AREA:	1,095
MIN. VENTILATION AREA: (UNIT AREA * 4%)	43.8
ACTUAL VENTILATION AREA: (OPERABLE OPENING AREA)	63.5

NATURAL VENTILATION CALCULATIONS BASED ON FLORIDA MECHANICAL CODE CHAPTER 4, SECTION 402.

ALL AREAS CALCULATED IN SQUARE FEET

NATURAL VENTILATION CALC. UNIT B2	
UNIT FLOOR AREA:	1,017
MIN. VENTILATION AREA: (UNIT AREA * 4%)	40.6
ACTUAL VENTILATION AREA: (OPERABLE OPENING AREA)	84.5

NATURAL VENTILATION CALCULATIONS BASED ON FLORIDA MECHANICAL CODE CHAPTER 4, SECTION 402.

ALL AREAS CALCULATED IN SQUARE FEET

DRYER VENT LENGTH CALC. UNIT A1	
HORIZONTAL LENGTH:	24
VERTICAL LENGTH:	7
90° (5 FT EACH):	5
45° (2.5 FT EACH):	0
TOTAL EQ. LENGTH (FT):	36

THIS DRYER VENT TOTAL EQUIVALENT LENGTH EXCEEDS THE CODE MAXIMUM OF 35 FEET, ANY CLOTHES DRYER CONNECTED TO THE DRYER EXHAUST SYSTEM IS REQUIRED TO HAVE A MANUFACTURERS SERVICE RATING THAT MEETS OR EXCEEDS THE OVERALL DRYER VENT LENGTH OF THIS SYSTEM AS CALCULATED PER THE DRYER MANUFACTURER REQUIREMENTS.

MECHANICAL CONTRACTOR TO PROVIDE PERMANENTLY AFFIXED LABEL IDENTIFYING THE TOTAL EQUIVALENT LENGTH OF THE UNIT DRYER EXHAUST SYSTEM AS LISTED ABOVE WITHIN 6 FEET OF THE DRYER EXHAUST DUCTWORK CONNECTION STATING "THIS DRYER VENT IS 36' LONG AND REQUIRES A DRYER CAPABLE OF MEETING THIS DRYER VENT LENGTH".

DRYER VENT LENGTH CALC. UNIT A1S	
HORIZONTAL LENGTH:	24
VERTICAL LENGTH:	7
90° (5 FT EACH):	5
45° (2.5 FT EACH):	0
TOTAL EQ. LENGTH (FT):	36

THIS DRYER VENT TOTAL EQUIVALENT LENGTH EXCEEDS THE CODE MAXIMUM OF 35 FEET, ANY CLOTHES DRYER CONNECTED TO THE DRYER EXHAUST SYSTEM IS REQUIRED TO HAVE A MANUFACTURERS SERVICE RATING THAT MEETS OR EXCEEDS THE OVERALL DRYER VENT LENGTH OF THIS SYSTEM AS CALCULATED PER THE DRYER MANUFACTURER REQUIREMENTS.

MECHANICAL CONTRACTOR TO PROVIDE PERMANENTLY AFFIXED LABEL IDENTIFYING THE TOTAL EQUIVALENT LENGTH OF THE UNIT DRYER EXHAUST SYSTEM AS LISTED ABOVE WITHIN 6 FEET OF THE DRYER EXHAUST DUCTWORK CONNECTION STATING "THIS DRYER VENT IS 36' LONG AND REQUIRES A DRYER CAPABLE OF MEETING THIS DRYER VENT LENGTH".

DRYER VENT LENGTH CALC. UNIT S1	
HORIZONTAL LENGTH:	20
VERTICAL LENGTH:	7
90° (5 FT EACH):	10
45° (2.5 FT EACH):	0
TOTAL EQ. LENGTH (FT):	37

THIS DRYER VENT TOTAL EQUIVALENT LENGTH EXCEEDS THE CODE MAXIMUM OF 35 FEET, ANY CLOTHES DRYER CONNECTED TO THE DRYER EXHAUST SYSTEM IS REQUIRED TO HAVE A MANUFACTURERS SERVICE RATING THAT MEETS OR EXCEEDS THE OVERALL DRYER VENT LENGTH OF THIS SYSTEM AS CALCULATED PER THE DRYER MANUFACTURER REQUIREMENTS.

MECHANICAL CONTRACTOR TO PROVIDE PERMANENTLY AFFIXED LABEL IDENTIFYING THE TOTAL EQUIVALENT LENGTH OF THE UNIT DRYER EXHAUST SYSTEM AS LISTED ABOVE WITHIN 6 FEET OF THE DRYER EXHAUST DUCTWORK CONNECTION STATING "THIS DRYER VENT IS 37' LONG AND REQUIRES A DRYER CAPABLE OF MEETING THIS DRYER VENT LENGTH".

REFERENCE NOTES: (X)

1. MOUNT AHU PER CLOSET MOUNTED AHU DETAIL ON SHEET M6.02.
2. ROUTE REFRIGERANT LINES UP TO CONDENSING UNITS ON ROOF. ROUTE CONDENSATE DRAIN LINES WITHIN MECHANICAL CLOSET WALL. SEE PLUMBING PLANS FOR CONDENSATE LINE CONTINUATION. ROUTE REFRIGERANT LINES PER DIAGRAM M7.01.
3. INSTALL DRYER EXHAUST WALL CONNECTION BOX PER DETAIL SHEET M6.01.
4. ROUTE EXHAUST DUCT FROM WALL MOUNTED EXHAUST FAN THROUGH TRUSS SPACE TO BUILDING SIDEWALL PER DETAIL ON SHEET M6.01. TERMINATE DUCT AT EXTERIOR WALL CAP PER DIAGRAM SHEET M7.01.
5. ROUTE DRYER EXHAUST DUCT THROUGH TRUSS SPACE TO BUILDING SIDEWALL PER DETAIL SHEET M6.01 TERMINATE DUCT AT EXTERIOR WALL CAP PER DIAGRAM SHEET M7.01.
6. PROVIDE FACTORY WALL PANEL FOR RETURN AIR AND ACCESS.
7. DUCTLESS RANGE HOOD.

GENERAL NOTES:

1. PROVIDE 1" DOOR UNDER CUT IN ALL BEDROOMS IN ADDITION TO TRANSFER GRILLE.
2. ALL EXHAUST OUTLETS TO BE FARTHER THAN 3 FEET AWAY FROM ANY OPERABLE WINDOWS.

H1 ENLARGED TYPICAL UNIT TYPE 'B2S' - MECHANICAL

1/4" = 1'-0"

H5 ENLARGED TYPICAL UNIT TYPE 'B2' - MECHANICAL

1/4" = 1'-0"

ADAM J. BARNEY LICENSE No. 69124 STATE OF FLORIDA PROFESSIONAL ENGINEER

Adam Barney
2018-01-17 15:52:51 -05:00

PERMIT REVIEW STAMP

ISSUE HISTORY

No.	Date	Description
1	1/18/2018	ISSUE FOR PERMIT

REVISION HISTORY

No.	Date	Description

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Drawn:	MJR/KCM
Checked:	BLS/AJB
Approval:	BLS/AJB
Date:	11/10/2017
Project #:	5389

SUMMER BAY APTS. II
LAKE COUNTY, FL

ENLARGED TYPICAL UNIT PLANS - MECHANICAL

M4.02

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