



Duct System Summary

Entire House

JACOBSON RESIDENCE

Job:
Date: Oct 22, 2020
By: ENERGYCALCS.NET, INC.

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Project Information

For: Jacobson Residence
217 SW BOULDER GLEN, FORT WHITE, FL 32038

	Heating	Cooling
External static pressure	0.50 in H ₂ O	0.50 in H ₂ O
Pressure losses	0 in H ₂ O	0 in H ₂ O
Available static pressure	0.50 in H ₂ O	0.50 in H ₂ O
Supply / return available pressure	0.250 / 0.250 in H ₂ O	0.250 / 0.250 in H ₂ O
Lowest friction rate	0.400 in/100ft	0.400 in/100ft
Actual air flow	1400 cfm	1400 cfm
Total effective length (TEL)	125 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BATH	h 854	53	25	0.400	5.0	0x0	VIFx	35.0	90.0	st1
BED	h 3360	210	145	0.442	8.0	0x0	VIFx	23.0	90.0	st1
EXISTING-F	c 25270	895	1075	0	0	0x0	VIFx	0	0	
LIVING	h 1562	98	70	0.494	6.0	0x0	VIFx	11.3	90.0	st1
LIVING-A	h 1562	98	70	0.478	6.0	0x0	VIFx	14.6	90.0	st1
WIC	h 738	46	16	0.429	4.0	0x0	VIFx	26.5	90.0	st1

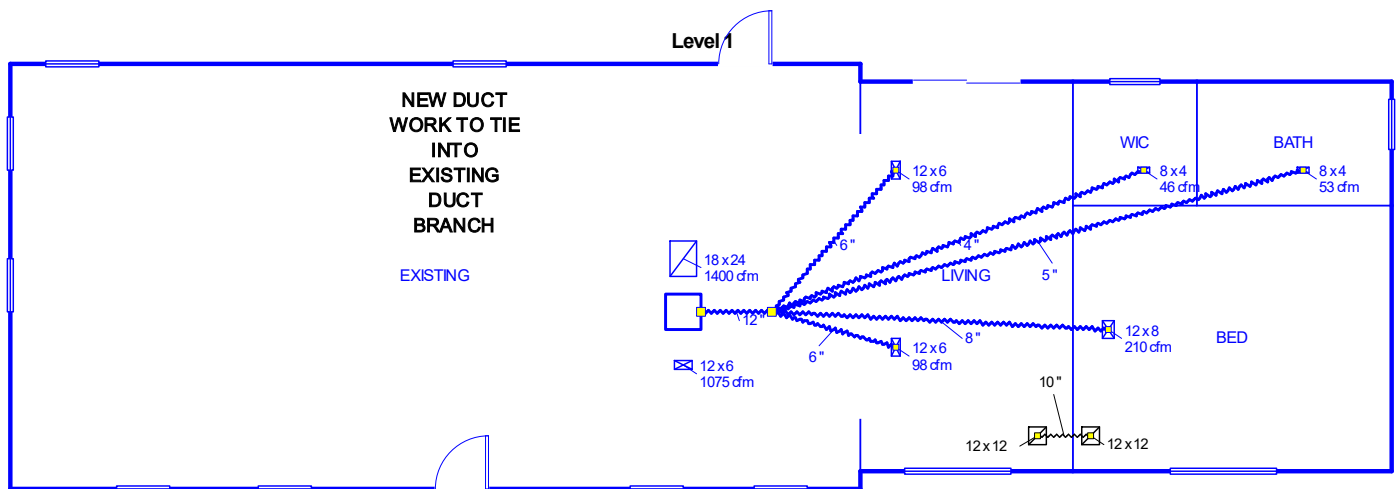
Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st1	Peak AVF	505	325	0.400	643	12.0	0 x 0	VinIFlx	

Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb2	0x0	1400	1400	0	0	0	0	0x0		VIFx	

Bold/italic values have been manually overridden



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Performed by ENERGYCALCS.NET, INC. for:
Jacobson Residence
217 SW BOULDER GLEN
FORT WHITE, FL 32038

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...217 SW BOULDER GLEN ADDITION....