

Residential Plans Examiner Review Form For HVAC Load Calculations and Duct System Design

City of Hampton, VA								
Contractor or Engineer: Master Mechanical Tradesman Number : Project Address:			Manual J1 Form (with worksheets A & B) Manual J1AE Form (with worksheets A & B) Manual D Friction Rate Worksheet Duct Distribution System Layout/sketch (cfm per difuser size) Proposed Equipment Model Numbers					
HVAC System Design Criter			ria	(ICC-IRC 14	101.3)			
Design Co Winter Design		ght		Summer	Design	Degrees F	Farenheigh	
Outdoor: Indoor: Total Heat Loss	° F 			Outdoor: Indoor: Sensible Latent He Total Hea			° F ° F Btu/h Btu/h Btu/h	
General B	uilding Informatio	n						_
Orientation(front door faces) (North, East, West, South, Northeast, Northwest, Southeast, Southwest Number of Bedrooms: Floor area (square feet) Number of Occupants: Envelope Tightness Estimate (Tight, Semi-tight, Average, Semi-loose, Loose)				System T Eave Ove Number of System C	R-Values	:	Wall Split	Floor PKG Ft.
SEER:	EER:	HSPF:		COP:		_AFUE:		
	HVAC DUCT D	ISTRIBUTIO	N SYSTI	EM DESI	GN	(ICC-IRC 16	501.1)	
Design Airflow	CFM	# Supply A	Air Grilles		_#Return A	ir Grilles:		_
Equipment Design ES OEM Blower tables Total Device Pressure Cumulative total of dampers Available Static Pressi Equipment Design ESP-Tot	Losses s, registers, filters, etc. ure(ASP)	IWC IWC IWC	Supply	ective Leng	_Ft. _Ft.			
Friction Rate (ASPx10				_IWC				
Duct Material: Sheetmetal, Lined metal, D I declare the load calc performed to the best and verification.	ulation, equipment	selection and d						
Printed Name:					_ Date:	:		_
Contractor'/Engineer's	Signiture							_