

ENERGY CODE PRESCRIPTIVE TABULAR ANALYSIS: 2016 NYCECC COMPLIANCE

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2016 NYCECC CHAPTERS C2-C6 AND APPENDIX CA

2016 NYCECC CITATION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE-PRESCRIBED VALUE AND CITATION
COMMERCIAL: INTERIOR RENOVATION OF EXISTING SPACE, INCLUDING INTERIOR PARTITIONS, FINISHES, PLUMBING, AND HVAC AT FIRST FLOOR ONLY, NO CHANGE TO EXISTING EXTERIOR FACADE			
ENERGY INSPECTIONS			
1. THE FOLLOWING REQUIREMENTS ARE NECESSARY PRIOR TO OBTAINING FINAL COMPLETION LETTER. THESE ARE NOT FINAL AND SUBJECT TO ANY ADDITIONAL REQUIREMENTS AS REQUESTED BY PANYNJ.	2. CLIENT TO RETAIN LICENSED ENGINEER / ARCHITECT TO PERFORM THESE PLUS ANY ADDITIONAL ENERGY INSPECTIONS AS REQUESTED BY PANYNJ. APPLICANT HAS NOT BEEN RETAINED FOR FIELD SUPERVISION OR TO PERFORM ENERGY INSPECTIONS.		
	3. CONTRACTOR TO PROVIDE ARCHITECT, CLIENT & LANDLORD A MINIMUM OF 4 BUSINESS DAYS ADVANCE NOTICE IN WRITING PRIOR TO CLOSING UP CEILINGS. PATCHING DUE TO PROBING DUE TO CLOSING WITHOUT ARCHITECTS REVIEW SHALL BE AT CONTRACTORS EXPENSE.		
	4. INSULATION PLACEMENT AND R VALUES		
	- AIR SEALING AND INSULATION - VISUAL		
	- SHUTOFF DAMPERS		
	- HVAC AND SERVICE WATER HEATING EQUIPMENT		
	- HVAC INSULATION AND SEALING		
	- INTERIOR LIGHTING POWER		
	- LIGHTING CONTROLS		
	- EXIT SIGNS		
	- MAINTENANCE INFORMATION		
2016 NYCECC CITATION C403.3	ITEM DESCRIPTION MAINTENANCE INFORMATION	PROPOSED DESIGN VALUE EXISTING - NO CHANGE/ NOT APPLICABLE	CODE-PRESCRIBED VALUE AND CITATION MAINTENANCE INSTRUCTIONS SHALL BE FURNISHED FOR EQUIPMENT AND SYSTEMS THAT REQUIRE PREVENTIVE MAINTENANCE. REQUIRED REGULAR MAINTENANCE ACTIONS SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL SHALL INCLUDE THE TITLE OR PUBLICATION NUMBER FOR THE OPERATION AND MAINTENANCE MANUAL FOR THE PARTICULAR MODEL AND TYPE OF PRODUCT.
SECTION ECC C402 - BUILDING ENVELOPE REQUIREMENTS			
C402.1.3 & TABLE C402.1.3	INSULATION COMPONENT R-VALUE-BASED METHOD	EXISTING - NO CHANGE/ NOT APPLICABLE	BUILDING THERMAL ENVELOPE OPAQUE ASSEMBLIES SHALL MEET THE REQUIREMENTS OF SECTION C402.2 AND C402.4 FOR OPAQUE PORTIONS OF THE BUILDING THERMAL ENVELOPE INTENDED TO COMPLY ON AN INSULATION COMPONENT R-VALUE BASIS. THE R-VALUES FOR ROOFING, FRAMING, CAVITIES, WHERE REQUIRED, AND FOR CONTINUOUS INSULATION, SHALL BE NOT LESS THAN THAT SPECIFIED IN TABLE C402.1.3, BASED ON THE CLIMATE ZONE.
	CLIMATE ZONE 4		
	ALL OTHER GROUP EXCEPT GROUP R		
	INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci	
	METAL BUILDINGS	R19 + R11LS	
	ATTIC AND OTHER	R-38	
	MASS	R-11.4ci	
	METAL BUILDING	R-13 + R13ci	
	METAL FRAMED	R-13 + R7.5ci	
	WOOD FRAMED AND OTHER	R-13 + R38ci OR R-20	
	BELOW-GRADE WALL	R-7.5ci	
	MASS	R-10ci	
	JOIST FRAMING	R-10 for 24" below	
	UNHEATED SLABS	R-2.5 for 24" below	
	HEATED SLABS	R-4.75	
	NONSWINGING		
C402.4 & TABLE C402.4	FENESTRATION (PRESCRIPTIVE)	EXISTING - NO CHANGE/ NOT APPLICABLE	FENESTRATION SHALL COMPLY WITH SECTIONS 402.4 THROUGH C402.4.4 AND TABLE C402.4
	CLIMATE ZONE 4		
	VERTICAL FENESTRATION		
	FIXED FENESTRATION	0.38	
	OPERABLE FENESTRATION	0.45	
	SLIDING DOORS	0.47	
	SWINGING DOORS	0.47	
	SHGC	PF < 0.2	
	0.2 < PF < 0.5	0.40	
	0.5 < PF < 0.8	0.48	
	0.8 < PF < 1.0	0.54	
	SKYLIGHTS		
	US38	0.50	
	SHGC	0.40	
C402.4.1	FENESTRATION-MAXIMUM AREA	EXISTING - NO CHANGE/ NOT APPLICABLE	THE VERTICAL FENESTRATION AREA SHALL NOT EXCEED 30% OF THE GROSS ABOVE-GRADE WALL AREA. THE SKYLIGHT AREA SHALL NOT EXCEED 3% OF THE GROSS ROOF AREA.
C402.5.1.2.2	AIR LEAKAGE-ASSEMBLIES	EXISTING - NO CHANGE/ NOT APPLICABLE	ASSEMBLIES OF MATERIALS AND COMPONENTS WITH AN AVERAGE AIR LEAKAGE NOT TO EXCEED 0.06 CFM/FT ² @ 2 LPS/M2 UNDER A PRESSURE DIFFERENTIAL OF 0.3 OF WATER GAUGE (W.G.) PS PA WHEN TESTED IN ACCORDANCE WITH ASTM E 283/ASTM E 1677 OR ASTM E 283 SHALL COMPLY WITH THIS SECTION.
C402.5.2 & TABLE C402.5.2	AIR LEAKAGE OF FENESTRATION	EXISTING - NO CHANGE/ NOT APPLICABLE	THE AIR LEAKAGE OF FENESTRATION ASSEMBLIES SHALL MEET THE PROVISIONS OF TABLE C402.5.2
	FENESTRATION ASSEMBLY		
	MAXIMUM RATE (CFM/FT ²)		
	WINDOWS	0.20a	
	SLIDING DOORS	0.20a	
	SWINGING DOORS	0.20a	
	SKYLIGHTS (CONDENSATION WEEPAGE OPEN)	0.30a	
	SKYLIGHTS - ALL OTHER	0.20a	
	CURTAIN WALLS	0.08	
	STOREFRONT GLAZING	1.00	
	COMMERCIAL GLAZED SWINGING ENTRANCE	1.00	
	REVOLVING DOORS	1.00	
	ROLLING DOORS	1.00	
	HIGH-SPEED DOORS	1.30	
C402.5.5	AIR LEAKAGE-AIR INTAKES, EXHAUST OPENINGS, STAIRWAYS AND SHAFTS	AS PER CODE PRESCRIBED	STAIRWAY ENCLOSURES, ELEVATOR SHAFT VENTS AND OTHER OUTDOOR AIR INTAKES AND EXHAUST OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE PROVIDED WITH DAMPERS IN ACCORDANCE WITH SECTION C403.2.4.3
C402.5.7	VESTIBULES	NOT APPLICABLE	BUILDING ENTRANCES SHALL BE PROTECTED WITH AN ENCLOSED VESTIBULE, WITH ALL DOOR OPENING INTO AND OUT OF THE VESTIBULE EQUIPPED WITH SELF-CLOSING DEVICES. EXCEPTION: 1. DOORS NOT INTENDED TO BE USED BY THE PUBLIC, INTENDED ONLY FOR EMPLOYEE USE. 2. DOORS OPENING DIRECTLY FROM SLEEPING UNIT OR DWELLING UNITS. 3. DOORS THAT OPEN DIRECTLY FROM A SPACE LESS THAN 1,000 S.F. IN AREA. 4. REVOLVING DOORS. 5. DOORS USED PRIMARILY TO FACILITATE VEHICULAR MOVEMENT.
SECTION ECC C403 - BUILDING MECHANICAL SYSTEMS			
C403.2.1	PROVISIONS APPLICABLE TO ALL MECHANICAL SYSTEMS - CALCULATION OF HEATING AND COOLING LOADS	AS PER CODE PRESCRIBED	DESIGN LOADS SHALL BE DETERMINED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN ANSI/ASHRAE/ACCA STANDARD 18S. HEATING AND COOLING LOADS SHALL BE ADJUSTED TO ACCOUNT FOR LOAD REDUCTIONS THAT ARE ACHIEVED WHERE ENERGY RECOVERY SYSTEMS ARE UTILIZED IN HVAC SYSTEM IN ACCORDANCE WITH THE ASHRAE HVAC SYSTEMS AND EQUIPMENT HANDBOOK BY AN APPROVED EQUIVALENT COMPUTATIONAL PROCEDURE.
C403.2.2	PROVISIONS APPLICABLE TO ALL MECHANICAL SYSTEMS - EQUIPMENT SIZING	AS PER CODE PRESCRIBED	THE OUTPUT CAPACITY OF HEATING AND COOLING EQUIPMENT AND SYSTEMS SHALL BE NOT GREATER THAN THE LOADS CALCULATED IN ACCORDANCE WITH SECTION C403.2.1. A SINGLE PIECE OF EQUIPMENT PROVIDING BOTH HEATING AND COOLING SHALL SATISFY THIS PROVISION FOR ONE FUNCTION WITH THE OTHER FUNCTION FOR THE OTHER FUNCTION AS SMALL AS POSSIBLE, WITHIN AVAILABLE EQUIPMENT OPTION.
C403.2.3 & TABLE C403.2.3 (1)	HVAC EQUIPMENT PERFORMANCE REQUIREMENTS	AS PER CODE PRESCRIBED	ELECTRICALLY OPERATED UNITARY AIR CONDITIONERS AND CONDENSING UNITS:
	AIR CONDITIONERS - AIR COOLED		
	SMALL-DUCT HIGH-VELOCITY (AIR COOLED)		
	65k-85k Btu/h	ALL	SPLIT SYSTEM SINGLE PACKAGE
	13.0 EER		
	14.0 EER		
	65k-85k Btu/h	ALL	SPLIT SYSTEM
	11.0 EER		
	65k-135k Btu/h	ELECTRICAL RESISTANCE	SPLIT SYSTEM AND SINGLE PACKAGE
	11.2 EER 12.8 IEER		
	135k-240k Btu/h	ELECTRICAL RESISTANCE	SPLIT SYSTEM AND SINGLE PACKAGE
	11.0 EER 12.4 IEER		
	240k-760k Btu/h	ELECTRICAL RESISTANCE	SPLIT SYSTEM AND SINGLE PACKAGE
	10.0 EER 11.6 IEER		
	ALL OTHER	SPLIT SYSTEM AND SINGLE PACKAGE	
	9.8 EER		
	9.9 IEER		
	65k-85k Btu/h	ALL	SPLIT SYSTEM SINGLE PACKAGE
	12.1 EER 12.3 IEER		
	65k-135k Btu/h	ELECTRICAL RESISTANCE	SPLIT SYSTEM SINGLE PACKAGE
	12.1 EER 13.9 IEER		
	135k-240k Btu/h	ELECTRICAL RESISTANCE	SPLIT SYSTEM SINGLE PACKAGE
	12.5 EER 13.9 IEER		
	ALL OTHER	SPLIT SYSTEM SINGLE PACKAGE	
	12.3 EER 13.7 IEER		
	CONDENSING UNITS-AIR COOLED		
	>135k Btu/h		
	10.5 EER 11.8 IEER		
	CONDENSING UNITS-WATER		
	>135k Btu/h		
	13.5 EER 14.0 IEER		
	CONDENSING UNITS-EVAPORATIVELY COOLED		
	>135k Btu/h		
	13.5 EER 14.0 IEER		
C403.2.3 & TABLE C403.2.3(2)	HVAC EQUIPMENT PERFORMANCE REQUIREMENTS	AS PER CODE PRESCRIBED	ELECTRICALLY OPERATED UNITARY AND APPLIED HEAT PUMPS:
	AIR COOLED (COOLING MODE)		
	65k-85k Btu/h	ALL	SPLIT SYSTEM
	14.0 SEER		
	SINGLE-DUCT HIGH-VELOCITY AIR COOLED		
	65k-85k Btu/h	ALL	SPLIT SYSTEM
	11.0 SEER		
	65k-135k Btu/h	ELECTRICAL RESISTANCE	SPLIT SYSTEM AND SINGLE PACKAGE
	11.0 EER 12.0 IEER		
	ALL OTHER	SPLIT SYSTEM AND SINGLE PACKAGE	
	10.8 EER 11.8 IEER		
	135k-240k Btu/h	ELECTRICAL RESISTANCE	SPLIT SYSTEM AND SINGLE PACKAGE
	10.6 EER 11.6 IEER		
	ALL OTHER	SPLIT SYSTEM AND SINGLE PACKAGE	
	10.4 EER 11.4 IEER		
	> 240k Btu/h	ELECTRICAL RESISTANCE	SPLIT SYSTEM
	9.5 EER		
	ALL OTHER	SPLIT SYSTEM	
	9.3 EER		
	9.4 IEER		

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TABLE C403.2.3(4)	HVAC EQUIPMENT PERFORMANCE REQUIREMENTS	EXISTING - NO CHANGE/ NOT APPLICABLE	WARM AIR FURNACES AND COMBINATION WARM AIR FURNACES/ AIR CONDITIONING UNITS:																																																																																																																																
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TABLE C403.2.3(5)	HVAC EQUIPMENT PERFORMANCE REQUIREMENTS	EXISTING - NO CHANGE/ NOT APPLICABLE	GAS AND OIL FIRED BOILERS:																																																																																																																																
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C403.2.4	HVAC SYSTEM CONTROLS	EXISTING - NO CHANGE/ NOT APPLICABLE	EACH HEATING AND COOLING SYSTEM SHALL BE PROVIDED WITH THERMOSTATIC CONTROL AS SPECIFIED IN SECTION C403.2.4.1 THERMOSTATIC CONTROL C, C403.2.4.1.3 (SET POINT OVERLAP RESTRICTION, C403.2.4.2 (OFF-HOUR CONTROLS), C403.2.4.3 (SHUTOFF DAMPERS), C403.3.1 (INTEGRATED ECONOMIZER CONTROL).																																																																																																																																
C403.2.6.1	DEMAND CONTROLLED VENTILATION	EXISTING - NO CHANGE/ NOT APPLICABLE	DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED FOR SPACES LARGER THAN 500 SQUARE FEET AND WITH AN AVERAGE OCCUPANT LOAD OF 25 PEOPLE PER 1000 SQUARE FEET OF FLOOR AREA.																																																																																																																																
C403.2.9	DUCT AND PLENUM INSULATION AND SEALING	EXISTING - NO CHANGE/ NOT APPLICABLE	SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH A MINIMUM R-8 INSULATION IN CLIMATE ZONES 1 THROUGH 4 AND A MINIMUM OF R-12 INSULATION IN CLIMATE ZONES 5 THROUGH 8, WHERE LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION IN CLIMATE ZONES 1 THROUGH 4 AND A MINIMUM R-12 INSULATION IN CLIMATE ZONES 5 THROUGH 8.																																																																																																																																
C403.2.9.1.1	DUCT CONSTRUCTION LOW-PRESSURE DUCT SYSTEMS	EXISTING - NO CHANGE/ NOT APPLICABLE	ALL LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS OF SUPPLY AND RETURN DUCTS OPERATING AT A STATIC PRESSURE LESS THAN OR EQUAL TO 2 INCHES WATER GAUGE (W.G.) (200PA) SHALL BE SECURELY FASTENED AND SEALED WITH WELOS, GORETS, MARTELS ADHESIVES, MAST-PLUS-EMBEDDED FABRIC SYSTEMS, OR TAPES.																																																																																																																																
C403.2.9.1.2	DUCT CONSTRUCTION MEDIUM-PRESSURE DUCT SYSTEMS	EXISTING - NO CHANGE/ NOT APPLICABLE	ALL DUCTS AND PLENUMS DESIGNED TO OPERATE AT A STATIC PRESSURE GREATER THAN 2 INCHES WATER GAUGE (W.G.) (200PA) BUT LESS THAN 3 INCHES WATER GAUGE (300PA) SHALL BE INSULATED AND SEALED IN ACCORDANCE WITH SECTION C403.2.7. ALL SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND A MINIMUM OF R-8 INSULATION WHERE LOCATED OUTSIDE THE BUILDING WHERE LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION.																																																																																																																																
C403.2.9.1.3	DUCT CONSTRUCTION HIGH-PRESSURE DUCT SYSTEMS	EXISTING - NO CHANGE/ NOT APPLICABLE	DUCTS DESIGNED TO OPERATE AT A STATIC PRESSURE IN EXCESS OF 3" WATER GAUGE (W.G.) (750PA) SHALL BE INSULATED AND SEALED IN ACCORDANCE WITH SECTION C403.2.7 WITH THE RATE OF AIR LEAKAGE (L) LESS THAN OR EQUAL TO 0.60 AS DETERMINED WITH EQUATION C4-3, WHERE: P = THE MEASURED LEAKAGE RATE IN CFM PER 100SF OF DUCT SURFACE, P = THE STATIC PRESSURE OF THE TEST.																																																																																																																																
C403.2.10 & TABLE C403.2.10	PIPING INSULATION	EXISTING - NO CHANGE/ NOT APPLICABLE	PIPING SERVING AS A PART OF A HEATING OR COOLING SYSTEM SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH TABLE C403.2.10																																																																																																																																
			<table><tr><th>FLUID OPERATING TEMPERATURE RANGE AND CLASS (°F)</th><th>CONDUCTIVITY</th><th>INSULATION CONDUCTIVITY</th><th>INSULATION TEMPERATURE (°F)</th><th>NOMINAL PIPE OR TUBE SIZE (inches)</th><th><1</th><th>1 1/2</th><th>2</th><th>2 1/2</th><th>3</th><th>3 1/2</th><th>4</th><th>4 1/2</th><th>5</th><th>5 1/2</th><th>6</th></tr><tr><td><50</td><td>0.02-0.04</td><td>250</td><td>45</td><td>5.0</td><td>5.0</td><td>5.0</td><td>5.0</td><td>5.0</td><td>5.0</td><td>5.0</td><td>5.0</td><td>5.0</td><td>5.0</td><td>5.0</td><td>5.0</td></tr><tr><td>50-100</td><td>0.05-0.07</td><td>200</td><td>3.0</td><td>4.0</td><td>4.5</td><td>4.5</td><td>4.5</td><td>4.5</td><td>4.5</td><td>4.5</td><td>4.5</td><td>4.5</td><td>4.5</td><td>4.5</td><td>4.5</td></tr><tr><td>101-150</td><td>0.07-0.10</td><td>150</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td><td>2.5</td></tr><tr><td>151-200</td><td>0.10-0.12</td><td>125</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td><td>1.5</td></tr><tr><td>201-250</td><td>0.12-0.15</td><td>100</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td></tr><tr><td>251-300</td><td>0.15-0.17</td><td>75</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td></tr><tr><td>301-350</td><td>0.17-0.20</td><td>50</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td><td>0.5</td></tr></table>	FLUID OPERATING TEMPERATURE RANGE AND CLASS (°F)	CONDUCTIVITY	INSULATION CONDUCTIVITY	INSULATION TEMPERATURE (°F)	NOMINAL PIPE OR TUBE SIZE (inches)	<1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	<50	0.02-0.04	250	45	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	50-100	0.05-0.07	200	3.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	101-150	0.07-0.10	150	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	151-200	0.10-0.12	125	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	201-250	0.12-0.15	100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	251-300	0.15-0.17	75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	301-350	0.17-0.20	50	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
FLUID OPERATING TEMPERATURE RANGE AND CLASS (°F)	CONDUCTIVITY	INSULATION CONDUCTIVITY	INSULATION TEMPERATURE (°F)	NOMINAL PIPE OR TUBE SIZE (inches)	<1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6																																																																																																																				
<50	0.02-0.04	250	45	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0																																																																																																																				
50-100	0.05-0.07	200	3.0	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5																																																																																																																				
101-150	0.07-0.10	150	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5																																																																																																																				
151-200	0.10-0.12	125	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5																																																																																																																				
201-250	0.12-0.15	100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0																																																																																																																				
251-300	0.15-0.17	75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5																																																																																																																				
301-350	0.17-0.20	50	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5																																																																																																																				
C403.2.14	REFRIGERATION EQUIPMENT PERFORMANCE	AS PER CODE PRESCRIBED REFER TO A-114B.10	REFRIGERATION EQUIPMENT SHALL HAVE AN ENERGY USE IN WHOLEY NOT GREATER THAN THE VALUES AT TABLE C403.2.14(1) AND C403.2.14(2) WHEN TESTED AND RATED IN ACCORDANCE WITH AIRE-CONSTRUCTED 1200.																																																																																																																																
C403.2.16	WALK-IN COOLERS AND WALK-IN FREEZERS	EXISTING - NO CHANGE/ NOT APPLICABLE	SITE-ASSEMBLED OR SITE-CONSTRUCTED WALK-IN COOLERS AND WALK-IN FREEZERS SHALL COMPLY WITH THE PROVISIONS OF C403.2.16																																																																																																																																
C403.2.17	REFRIGERATED DISPLAY CASES	EXISTING - NO CHANGE/ NOT APPLICABLE	SITE-ASSEMBLED OR SITE-CONSTRUCTED REFRIGERATED DISPLAY CASES SHALL COMPLY WITH THE PROVISIONS OF C403.2.17																																																																																																																																
C403.3	ECONOMIZER	EXISTING - NO CHANGE/ NOT APPLICABLE	EACH COOLING SYSTEM SHALL INCLUDE EITHER AN AIR OR WATER ECONOMIZER COMPLYING WITH SECTIONS C403.3.1 THROUGH C403.3.4																																																																																																																																
C403.4.1.1	FAN AIRFLOW CONTROL	EXISTING - NO CHANGE/ NOT APPLICABLE	EACH COOLING SYSTEM LISTED IN TABLE C403.4.1.1 SHALL BE DESIGNED TO VARY THE INDOOR FAN AIRFLOW AS A FUNCTION OF LOAD AND SHALL COMPLY WITH THE REQUIREMENTS OF C403.4.1.1																																																																																																																																