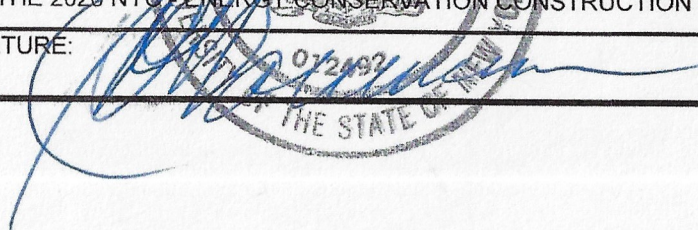


N Y C - E C C E N E R G Y A N A L Y S I S		
A L T E R A T I O N A N D R E N O V A T I O N O F E X I S T I N G S I N G L E - F A M I L Y R E S I D E N C E A T : 2 5 9 W . 2 5 9 ^{T H} S T R E E T , B R O N X , N Y		
C L I M A T E Z O N E 4		
WORK ITEMS INCLUDING NEW OR REPLACEMENT	PROPOSED DESIGN VALUE	CODE-PRESCRIBED VALUE AND CITATION
FENESTRATION	U=0.27 SHGC=0.40	MAXIMUM U=0.27SHGC=0.40 (TABLE 402.1.2)
EXTERIOR WALL	R=20	R=15/20 (TABLE 402.1.2)
CEILING w ATTIC	R=38 OVER 100% OF CLG. & OVER TOP OF PLATE @ EAVES (AS PER SEC. 402.2.1)	MIN. R=49 (TABLE 402.1.2)
CEILING w/o ATTIC	R=38 LESS THAN 500sf OR 20% OF TOTAL INSUL. CLG. AREA (AS PER SEC. 402.2.2)	MIN. R=49 (TABLE 402.1.2)
SKYLIGHTS	U= 0.50	U=0.50 (TABLE 402.1.2)
EXTERIOR LIGHTS	NO CHANGE	NA
BOILERS, HEATING FURNACES	NO CHANGE	NA
HVAC SYSTEMS	NA	NA
INTERIOR LIGHTING ADDITIONS	FIXTURES TO HAVE EFFICACY OF > 65 LUMENS/WATT	(SEC. R404.1)
LIGHTING CONTROLS	EACH SPACE TO HAVE MANUAL CONTROL DEVICE	NA
NEW RECESSED LIGHTING FIXTURES	RECESSED LIGHTS TO BE OF THE "IC" -INSULATED CEILING TYPE - COMPLIES	C-402.4.5 RECESSED LUMINAIRES SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE OF NOT MORE THAN 2.0 CFM. ALL RECESSED LUMINAIRES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.
ALL NEW CONSTRUCTION WORK IS TO CONFORM TO THE 2020 NYCECC. FOR THIS APPLICATION, THE CONSTRUCTION CONSISTS OF INTERIOR PARTITIONS, REPLACEMENT OF EXTERIOR DOORS AND WINDOWS. ALL DUCTS, HEATING & DOMESTIC HOT-WATER PIPING TO BE INSULATED AS PER CODE REQUIREMENTS IF MADE ACCESSIBLE BY THE SCOPE OF THE WORK. NEW ELECTRICAL AND LIGHTING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF "RESIDENTIAL ENERGY EFFICIENCY" OF THIS CODE.		
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NYC ENERGY CONSERVATION CONSTRUCTION CODE FOR SINGLE-FAMILY RESIDENCES.		
SIGNATURE: 	APPLICANT: DANIEL R. HAMMERMAN, R.A.	DATE: 10.19.20