FENESTRATION U-FACTOR & SHGC	CLIMATE ZONE 5
LOCATION:	U-FACTOR
FENESTRATION	0.30
SKYLIGHT	0.55
CEILING	0.026
FRAME WALL	0.060
MASS WALL	0.082
FLOOR	0.033
BASEMENT WALL	0.050
CRAWL SPACE	0.055

MECHANICAL SYSTEM

NEW FLOOR REGISTERS TO BE TIED INTO EXISTING HVAC SYSTEM DUCT WORK. ALL DUCTWORK INSTALLATION TO FOLLOW ALL APPLICABLE STATE AND LOCAL CODES.

ELECTRICAL SYSTEM

NEW ELECTRICAL (OUTLETS, SWITCHES, ETC.) TO BE TIED INTO EXISTING ELEC. SYSTEM WORK. ALL ELECTRICAL INSTALLATION TO FOLLOW ALL APPLICABLE STATE AND LOCAL CODES

MECHANICAL VENTILATION

REFERENCE CODE SECTION NIIØ3.6

BUILDING SHALL BE PROVIDED WITH VENTILATION THAT MEETS ALL REQUIREMENTS OF MECHANICAL VENTILATION CODES.

OUTDOOR AIR INTAKES & EXHAUSTS SHALL HAVE AUTOMATIC OR GRAVITY DAMPERS THAT CLOSE WHEN VENTILATION SYSTEM IS NOT IN OPERATION.

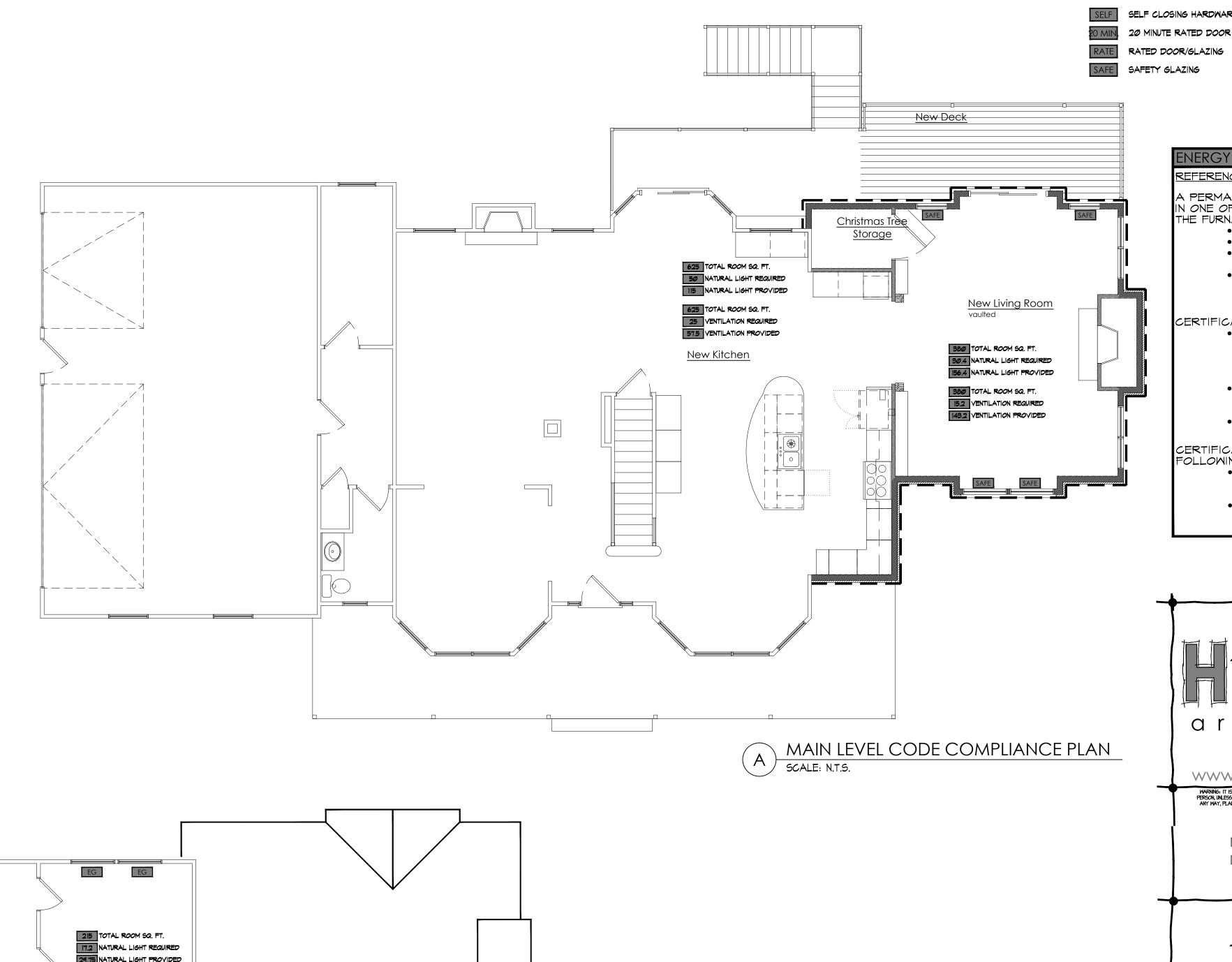
MECHANICAL VENTILATION SYSTEMS SHALL MEET THE EFFICACY REQUIREMENTS AS

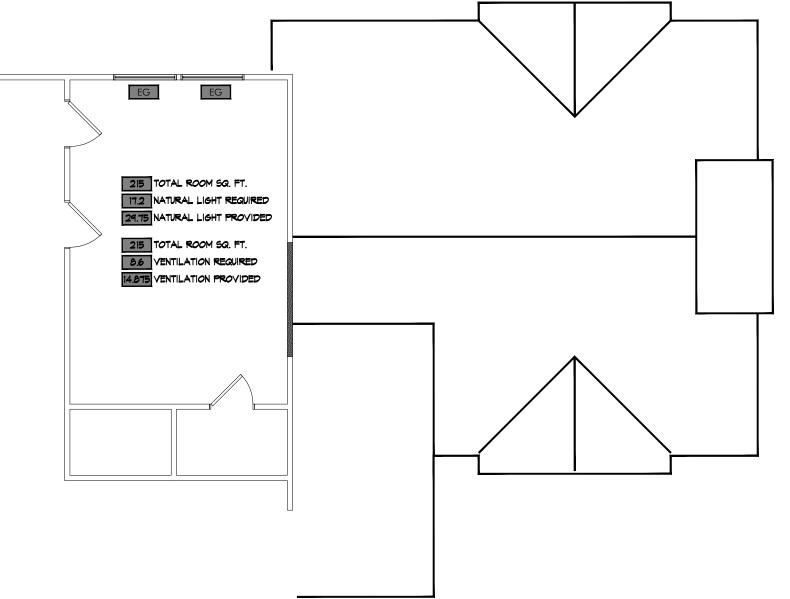
FOLLOWS:	MIN. CFM	CFM/ WATT	MAX. CFM
RANGE HOODS	ANY	2.8 CFM/ WATT	ANY
IN-LINE FAN	ANY	2.8 CFM/ WATT	ANY
BATHROOM, UTILITY ROOM	1Ø	1.4 CFM/ WATT	<9Ø
BATHROOM, UTILITY ROOM	9Ø	2.8 CFM/ WATT	ANY

DUCT SEALING & PIPE INSULATION

PROVIDE INSULATION ON PIPES 6" OR GREATER. MIN. R-8 DUCT INSULATION PROVIDE JOINT OR SEAM SEALER AT ALL HVAC DUCT JOINTS AND TRANSITIONS AS PER UL 181 B \$ NYS ICC MC 2015- 603.9

INSULATION & FENESTRATION BY COMPONENT	CLIMATE ZONE 5
LOCATION:	R-VALUE/ U-FACTOR
FENESTRATION U-FACTOR	0.30
SKYLIGHT U-FACTOR	0.55
GLAZED FENESTRATION SHGC	NR
CEILING R-VALUE	R-49
WOOD FRAME WALL R-VALUE	R-20 or R-13+R-5
MASS WALL R-VALUE	R-13/R-17
FLOOR R-VALUE	R-30
BASEMENT WALL R-VALUE	R-15/R-19
SLAB R-VALUE & DEPTH	R-10/ 2'-0"
CRAWL SPACE WALL R-VALUE	R-15/R-19





UPPER LEVEL CODE COMPLIANCE PLAN SCALE: N.T.S.

NERGY CALCS. COMPLIANCE CERTIFICATE A PERMANENT CERTIFICATE SHALL BE AFFIXED IN ONE OF THE FOLLOWING LOCATIONS NEAR THE FURNACE: • UTILITY ROOM INSIDE BUILDING DIRECTORY). • PREDOMINANT R-VALUES OF SPACE. COMPLETED ON THE BUILDING. FOLLOWING: 19-Ø12 Revisions

SELF SELF CLOSING HARDWARE EG EGRESS DOOR/ WINDOW-MAIN FLOORS AT GRADE, BASEMENTS- NET CLEAR OPENING NOT LESS THAN 5.0 SQUARE FEET
UPPER FLOORS- NET CLEAR OPENING NOT LESS THAN 5.1 SQUARE FEET
SILL HEIGHT NOT MORE THAN 44" ABOVE THE FLOOR

THERMAL ENVELOPE SEPARATION WALL-NOT LESS THAN 1/2" GYP. BD. APPLIED TO GARAGE SIDE OF WALL

REFERENCE CODE SECTION NIIØ1.14

- WALL NEAR FURNACE
- PREVIOUSLY APPROVED LOCATION
- ELECTRICAL PANEL (CERTIFICATE SHALL NOT COVER OR OBSTRUCT THE VISIBILITY OF THE CIRCUIT

CERTIFICATE SHALL LIST THE FOLLOWING:

- INSULATION INSTALLED ON OR ON CEILING/ ROOF, WALLS, FOUNDATION AND DUCTS OUTSIDE CONDITIONED
- U-FACTORS FOR FENESTRATION AND SOLAR HEAT GAIN COEFFICIENT
- RESULTS OF AIR LEAKAGE TEST

CERTIFICATE SHALL ALSO LIST THE

• EFFICIENCY OF AND TYPE OF HEATING, COOLING AND SERVICE HOT MATER HEATING EQUIPMENT. • OTHER PRODUCTS AND EQUIPMENT AS REFERENCED IN THE CODE SECTION LISTED ABOVE.

PERMIT SET



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DOCUMENT STATUS

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Code Compliance

TO THE BEST OF MY KNOWLEDGE, BELIEF & PROFESSIONAL JUDGMENT, ALL PLANS, DRAWINGS SPECIFICATIONS ETC. INCLUDED IN THIS DRAWING & PERMIT PACKAGE ARE IN COMPLIANCE WITH THE MOST CURRENT IRC 2015 (AS ADOPTED BY NEW YORK STATE) ENERGY CODE

