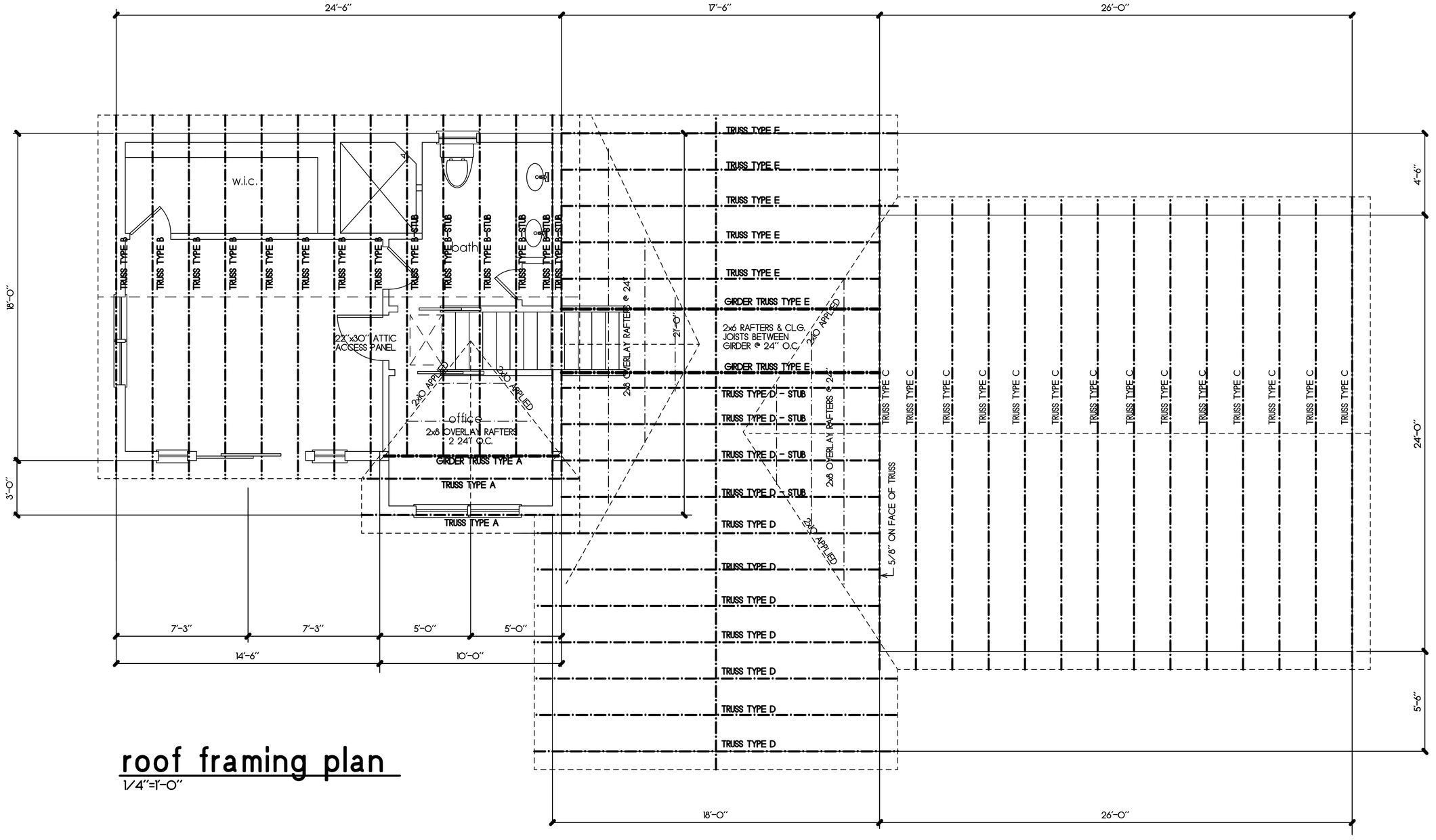
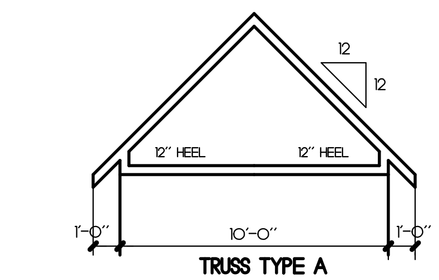
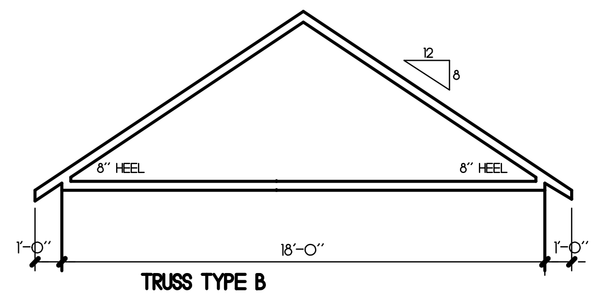



# roof framing plan

1/4"=1'-0"




TRUSS TYPE A

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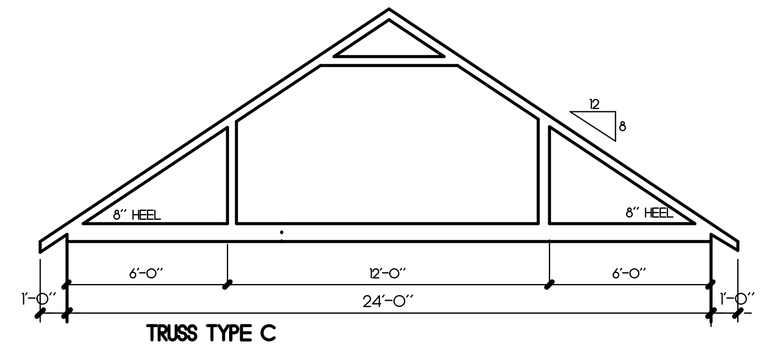
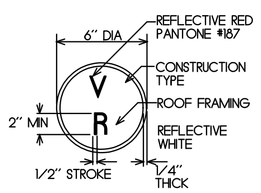


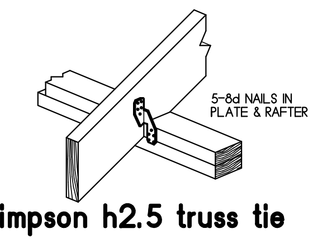

TRUSS TYPE C



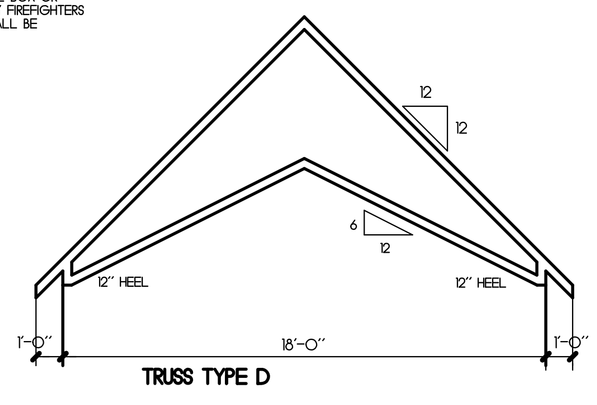

## truss indentification sign

SIGN FOR TRUSS TYPE CONTRUCTION, PRE-ENGINEERED WOOD CONTRUCTION OR TIMBER FRAME CONSTRUCTION

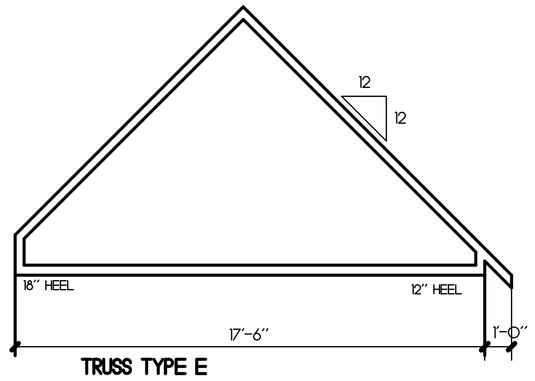
ATTACH TO THE EXTERIOR ELECTRICAL BOX OR IN A LOCATION LIKELY TO BE SEEN BY FIREFIGHTERS OR OTHER FIRST RESPONDERS. SIGN SHALL BE MAINTAINED BY HOME OWNER




## simpson h2.5 truss tie



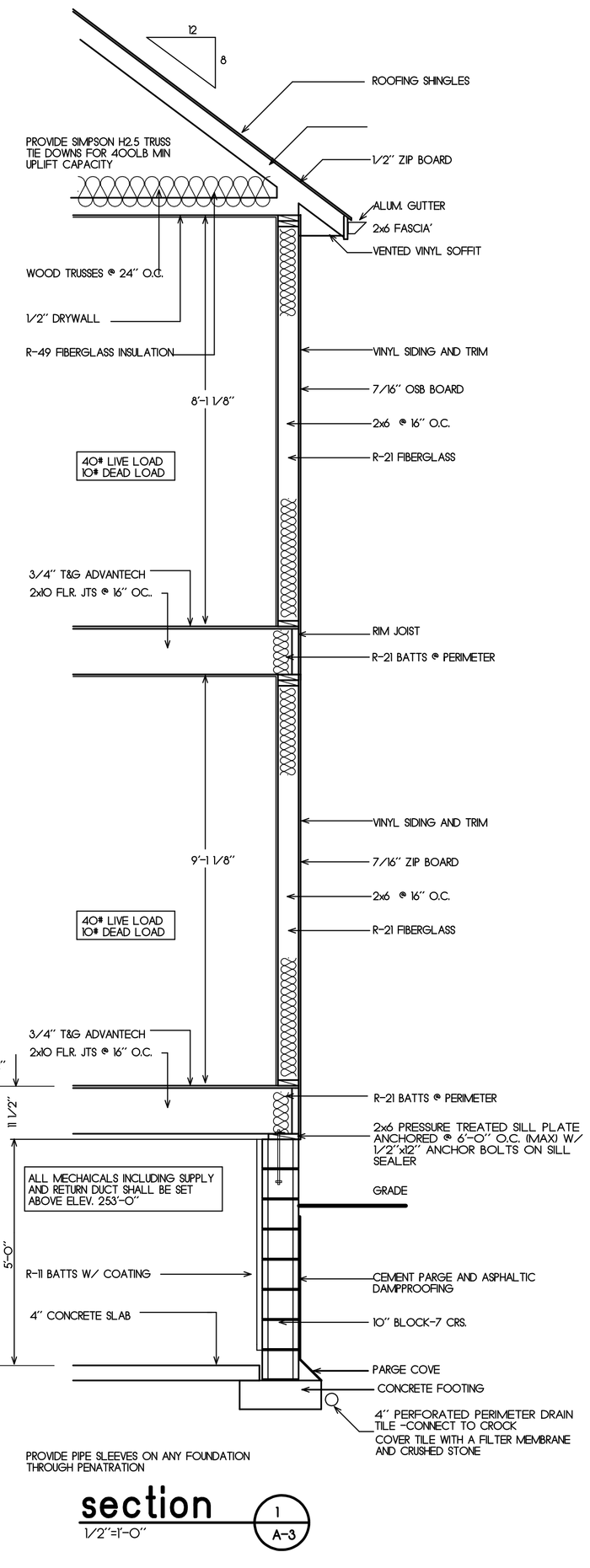

TRUSS TYPE D




TRUSS TYPE E

MANUFACTURER STAMPED TRUSS DRAWINGS SHALL BE SUBMITTED TO THE BLDG. DEPARTMENT

PROVIDE SIMPSON H2.5 TRUSS TIE DOWNS FOR 400 LB MIN UPLIFT CAPACITY




PROVIDE PIPE SLEEVES ON ANY FOUNDATION THROUGH PENATRATION

## section

1/2"=1'-0"

1 / A-3

**STANDARD ENERGY NOTES**

CONTRACTOR SHALL POST THE ENERGY EFFICIENCY CERTIFICATE (FROM REZ CHECK) ON A WALL IN THE SPACE WHERE THE FURNACE IS LOCATED, A UTILITY ROOM OR AN APPROVED LOCATION BY THE BUILDING INSPECTOR

**RECESSED LIGHTING**

A MINIMUM OF 75 PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH EFFICACY LAMPS PER SECTION R403.9 OF THE 2015 NY RESIDENTIAL CODE

RECESSED LUMINARIES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL COVERING TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED LUMINARIES SHALL BE IC-RATED AND LABELED AS MEETING ASTM E 283 WHEN TESTED AT 1.57PSF (75PA) PRESSURE DIFFERENTIAL WITH NO MORE THAN 2.0CFM OF AIR MOVEMENT FROM THE CONDITIONED SPACE TO THE CEILING CAVITY

**PROGRAMMABLE THERMOSTAT**

CONTRACTOR TO PROVIDE A PROGRAMMABLE THERMOSTAT TO CONTROL THE HVAC SYSTEM PER SECTION R403.12 OF THE 2010 NY. RESIDENTIAL CODE.
EACH DWELLING UNIT SHALL HAVE AT LEAST ONE PROGRAMABLE THERMOSTAT CAPABLE OF AUTOMATICALLY ADJUSTING THE SPACE TEMPERATURE SET POINT OF THE LARGEST HEATING OR COOLING ZONE AND CAPABLE OF CONTROLLING THE HEATING AND COOLING SYSTEM ON A DAILEY SCHEDULE TO MAINTAIN DIFFERENT TEMP. SET POINTS A DIFFERENT TIMES OF THE DAY. THIS THERMOSTAT SHALL INCLUDE THE CAPABILITY TO SET BACK OT TEMP. OPERATE THE SYSTEM TO MAINTAIN ZONE TEMP. DOWN TO 55F OR UP TO 85F. THE THERMOSTAT SHALL INITIALLY BE PROGRAMMED WITH A HEATING TEMP NO HIGHER THAN 70 F AND A COOLING SET POINT NO LOWER THAN 78 F.

**DUCTS**

SUPPLY DUCTS IN ATTIC SHALL BE INSULATED TO A MIN OF R-8, ALL OTHER DUCTS SHALL BE INSULATED TO A MIN OF R-6, UNLESS LOCATED INSIDE THE BUILDING ENVELOPE

AIR TIGHTNESS AND INSULATION INSTALLATION SHALL BE VERIFIED BY VISUAL INSPECTION PER SECTION R402.4.3.2 OF THE 2010 NY. RESIDENTIAL CODE.

IF ANY DUCT WORK IS WITHIN AN EXTERIOR WALL, THE SYSTEM SHALL BE PRESSURE TESTED DURING CONTRUCTION.
WITH AIR HANDLER INSTALLED: MAX 4CFM/100 SF. OF OCCUPIED SPACE.
WITHOUT AIR HANDLER: MAX 3CFM/100 SF. OF OCCUPIED SPACE.

ALL JOINTS AND SEAMS OF AIR DUCTS, AIR HANDLERS, FILTER BOXES AND BUILDING CAVITIES USED AS DUCTS SHALL BE SEALED. TAPES AND MASTICS MUST BE LISTED TO UL 181B

BUILDING FRAMING CAVITIES SHALL NOT BE USED AS DUCTS OR PLENUMS

AUTOMATIC OR GRAVITY DAMPERS SHALL BE INSTALLED ON ANY OUTDOOR AIR INTAKES OR EXHAUST SYSTEMS

**BLOWER DOOR TEST**

THE HOME SHALL BE BLOWER DOOR TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NOT EXCEEDING THREE (3) AIR CHANGES PER HOUR. TESTING BY THIRD PARTY ONLY

**VAPOR RETARDERS**

CLASS I OR II ( SHEET POLYETHEYENE, KRAFT FACE BATTS, OR LOW PERM PAINT ) VAPOR RETARDERS ARE REQUIRED ON THE INSIDE OF FRAMED WALLS AND CEILINGS ABOVE GRADE WHERE THE CAVITY IS NOT VENTILATED TO ALLOW MOISTURE TO ESCAPE. (THIS DOES NOT INCLUDE BASEMENT WALLS)

**CRAWL SPACE WALLS**

BASEMENT WALL INSULATION SHALL BE R-15 CONTINUOUS FIBERGLASS BATTS WITH A NON FLAMBLE COATING FROM TOP OF WALL TO FLOOR UNLESS THE REZ CHECK INDICATES OTHERWISE

**GAS FURNACE**

GOODMAN OR EQUAL SINGLE STAGE GAS FIRED FURNACE 92% WITH STAINLESS STEEL HEAT EXCHANGER, SINGLE STAGE GAS VALVE,DIRECT VENT 2 PIPE) 1/2HP MOTOR 15 AMP
IF THE FURNACE IS A OPEN COMBUSTION UNIT THE FURNACE ROOM MUST BE SEALED FROM THE REST OF THE HOUSE AND HAVE MAKEUP AIR TO IT.
CONTRACTOR SHALL SUBMITT MANUFACTURERS FURNACE SUBMITTAL TO TOWN

**HOT WATER HEATER**

RHEEM OR EQUAL 40 GALLON, .65 EFF. MIN RECOVERY: 36 GPH AT A 90 DEGREE RISE DIRECT VENT 2 PIPE SYSTEM. PROVIDE HEAT TRAP AND INSULATING BLANKET. ENERGY STAR RATED. CONTRACTOR SHALL SUBMITT MANUFACTURERS H.W. HEATER SUBMITTAL TO TOWN

**WINDOWS AND DOORS**

WINDOWS, SKYLIGHTS AND SLIDING GLASS DOORS SHALL HAVE AN AIR INFILTRATION RATE OF NO MORE THAN .3 CFM PER SQUARE FOOT AND SWINGING DOORS NO MORE THAN .5 CFM PER SF.

WINDOW U-VALUE .32 OR LESS\
WINDOW SHGC = .35 MAX

SLIDING GLASS DOORS U-VALUE =.32 OR LESS
SLIDING GLASS DOORS SHGC = .35 MAX

SOLID INSULATING DOOR-U VALUE = .142 OR LESS

**KITCHEN EXHAUST HOODS**

EXHAUST HOODS WITH CAPACITY GREATER THAN 400 CFM SHALL BE MECHANICALLY OR NATURALLY PROVIDED WITH AN EQUAL AMOUNT OF FRESH MAKE UP AIR. SYSTEMS SHALL BE PROVIDED WITH AT LEAST 1 DAMPER. DAMPERS SHALL BE GRAVITY DAMPERS OR ELECTRICALLY OPERATED DAMPERS THAT AUTOMATICALLY OPENS WHEN THE SYSTEM OPERATES.

**MECHANICAL VENTILATION**

WHOLE HOUSE MECHANICAL VENTILATION SHALL BE REQUIRED BY PROVIDING A METHOD OF SUPPLY AIR AND RETURN OR EXHAUST AIR. THE AMOUNT OF SUPPLY AIR SHOULD BE APPROX. EQUAL TO THE EXHAUST RATE. OUTDOOR AIR DUCTS CONNECTED TO THE RETURN SIDE OF AN AIR HANDLER SHALL BE CONSIDERED AS PROVIDING SUPPLY VENTILATION. A LOCAL EXHAUST FAN, SUCH AS A BATHROOM FAN MAY BE CONSIDERED AS EXHAUST
MECHANICAL VENTILATION CAN ALSO BE PROVIDED BY THE INSTALLATION OF A HEAT RECOVERY MAKE UP AIR UNIT, INSTALLED PER CODE AND BY THE MANUFACTURES DIRECTION

BATH AND POWDER ROOM EXHAUST FANS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR AND BE INSTALLED WITH A PROGRAMMABLE DIGITAL CONTROL SWITCH PROVIDING A RUN TIME OF 15 MIN PER HOUR AT A MIN OF 50 CFM PER POWDER ROOM AND BATHROOM.

BATHROOMS AND POWDER ROOMS SHALL HAVE A MIN EXHAUST CAPACITY OF 50 CFM INTERMITTENT OR 20 CFM CONTINUOUS

CONTINUOUS WHOLE HOUSE MECHANICAL VENTILATION RATES

| DWELLING UNIT FLOOR AREA SF | NUMBER OF BEDROOMS | | | |
|---|---|---|---|---|
| | 0-1 | 2-3 | 4-5 | 6-7 |
| | AIRFLOW IN CFM | | | |
| < 1,500 | 30 | 45 | 60 | 75 |
| 1,501-3,000 | 45 | 60 | 75 | 90 |
| 3,000-4,500 | 60 | 75 | 90 | 105 |

NOTE
IF RUN TIME IS INTERMITENT AT 25% OF EACH 4-HOUR SEGMENT THE VENTILATION RATE ABOVE SHALL BE MULTIPLIED BY A FACTOR OF 4

THURLEY RESIDENCE #7575 LAKESTONE DRIVE VILLAGE OF SODUS, NEW YORK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PROPOSED RESIDENCE
FOR
MR. & MRS. THURLEY
#7575 LAKESTONE DRIVE VILLAGE OF SODUS, NEW YORK

| REVISIONS | | |
|---|---|---|
| No. | DATE | DESCRIPTION |
| | | |

A-3

MARCH 4, 2019