

MECHANICAL EQUIPMENT LIST

THE FURNACE SHALL BE 90 PLUS EFFICIENCY UP FLOW GAS FIRED AND SHALL BE LOCATED AS SHOWN ON THE PLANS. THE FURNACE SHALL BE CARRIER MODEL 58MXBI40FI0020 OR AS APPROVED EQUAL. THE BLOWER MOTOR CAPACITY WILL BE 3/4 HP AT 120Y, I PI 60 CYCLES. TOTAL HEATING CAPACITY SHALL BE 138 MBH INPUT, 122 MBH OUTPUT AND AIR FLOW CAPACITY SHALL BE 2000 CFM HEATING AND 21000 CFM COOLING THE FURNACE SHALL BE COMPLETE WITH ALL SAFETY CONTROLS AS REQUIRED BY APPLICABLE CODES, THROW AWAY FILTERS AND RETURN PLENUM WITH FILTER BOX.

CU-1 CONDENSING UNIT

SYSTEM AND BE EQUIPED WITH REFRIGERANT LINE FITTING AND BRASS SERVICE VALVES. THE COMPRESSOR SHALL BE OF THE WELDED THE TOTAL COOLING CAPACITY OF THE UNIT SHALL BE 60,000 BTUH AT 95 F CONDESING TEMPERATURE.

CC-1 COOLING COIL

DIRECT EXPANSION COOLING COIL LOCATED DOWN STREAM OF THE FURNACE. TOTAL COOLING CAPACITY OF THE COIL SHALL BE 60,000 BTUH WITH 2000 CFM OF AIR ENTERING THE COIL. COIL SHALL OPERATE PROPERLY IN UP-FLOW DIRECTION.

KEF-I KITCHEN EXHAUST HOOD

VERTICAL DISCHARGE UNDER COUNTER EXHAUST FAN. TOTAL CAPACITY WILL BE 200 CFM AT 1/8 IN WATER STATIC PRESSURE, DIRECT DRIVEN BY A 1/25 HP MOTOR, 120 Y, 1 PH, 60 CYCLES DRIVEN. PROVIDE UNIT WITH BUILD IN BACK DRAFT DAMPER. AND WALL CAP. THE WALL CAP SHALL BE WEATHER PROOF AND SHALL HAVE BUILT-IN BACK DRAFT DAMPER. THE EXHAUST FAN SHALL BE BROAN OR AS APPROVED EQUAL.

TEF-2, TOILET EXHAUST FAN

VERTICAL DISCHARGE CEILING MOUNTED EXHAUST FAN. TOTAL CAPACITY WILL BE 100 CFM AT 1/8 IN WATER STATIC PRESSURE, 1/40 HP MOTOR, 120 Y, 1 PH, 60 CYCLES DIRECT DRIVEN. PROVIDE UNIT WITH A BACK DRAFTED DAMPER. THE UNIT SHALL BE BROAN MODEL 360 LOSONE VERT OR AS APPROVED EQUAL.

TEF-I MASTER BATHROOM TOILET EXHAUST FAN

YERTICAL DISCHARGE CEILING MOUNTED EXHAUST FAN. TOTAL CAPACITY WILL BE 150 CFM AT 1/8 IN WATER STATIC PRESSURE, 1/40 HP MOTOR, 120 Y, 1 PH, 60 CYCLES DIRECT DRIVEN. PROVIDE UNIT WITH A BACK DRAFTED DAMPER THE UNIT SHALL BE BROAN MODEL 361 LOSONE VERT OR AS APPROVED EQUAL.

THE WHOLE HOUSE MECHANICAL VENTILATION SYSTEM

BY ZORO MANUFACTURE, MODEL NO.: G1515566 IN LINE YENTILATOR, YOLTAGE 120 VAC, 60 Hz, I PHASE, FULL LOAD AMPS 1.41, WATTS 156, MOTOR RPM 2950, MOTOR TYPE EXTERNAL ROTOR, MOTOR INSULATION CLASS B, MAX. INLET TEMP. 104 DEGREES F, HOUSING HEIGHT 8 1/4", HOUSING WIDTH 13", HOUSING LENGTH 16", DUCT 4"Ø, HOUSING MATERIAL GALYANIZED STEEL, WHEEL MATERIAL PLASTIC.

MAU-I MAKE UP AIR UNIT

TPI HOT POD, IN LINE DUCT HEATER, HIGH CAPACITY, 120V, 75 CFM

MARK	HVAC LEGEND
$\langle A \rangle$	15 CFM, IØX4 SUPPLY REGISTER CEILING MOUNTED
B	125 CFM, 14×4 SUPPLY REGISTER CEILING MOUNTED
$\langle c \rangle$	100 CFM, 12X4 SUPPLY REGISTER CEILING MOUNTED
$\langle D \rangle$	75 CFM, 10/X4 SUPPLY REGISTER CEILING MOUNTED
E	50 CFM, 8X4 SUPPLY REGISTER CEILING MOUNTED

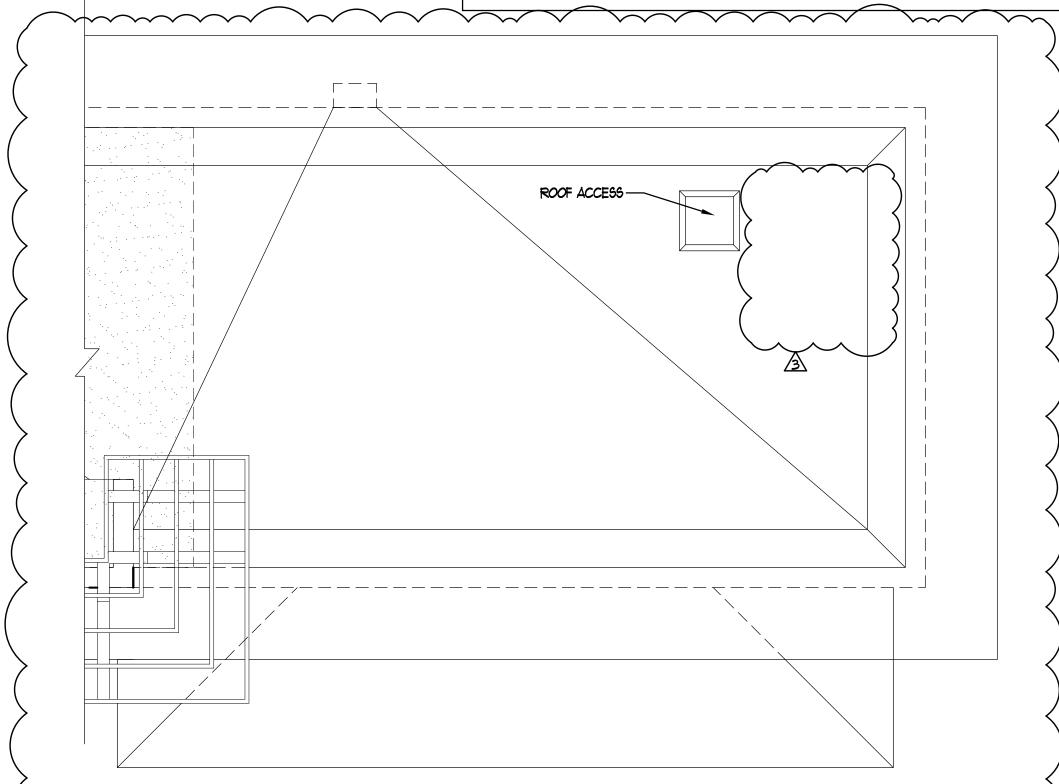
	MECHANICAL
ING MOUNTED	RETURN REGISTER
ING MOUNTED	SUPPLY REGISTER
ING MOUNTED	[353] UNDERCOUNTER R
NG MOUNTED	SUPPLY VERTICAL
ING MOUNTED	RETURN VERTICAL
	HORIZONAL SUPPL
	HORIZONAL RETUR

LEGEND PLY DUCT IRN DUCT

EXHAUST FAN THERMOSTAT - WALL MOUNTED 54" AFF.

I. MECHANICAL LAYOUT TO BE VERIFIED BY HEATING CONTRACTOR, THERMOSTAT TO BE

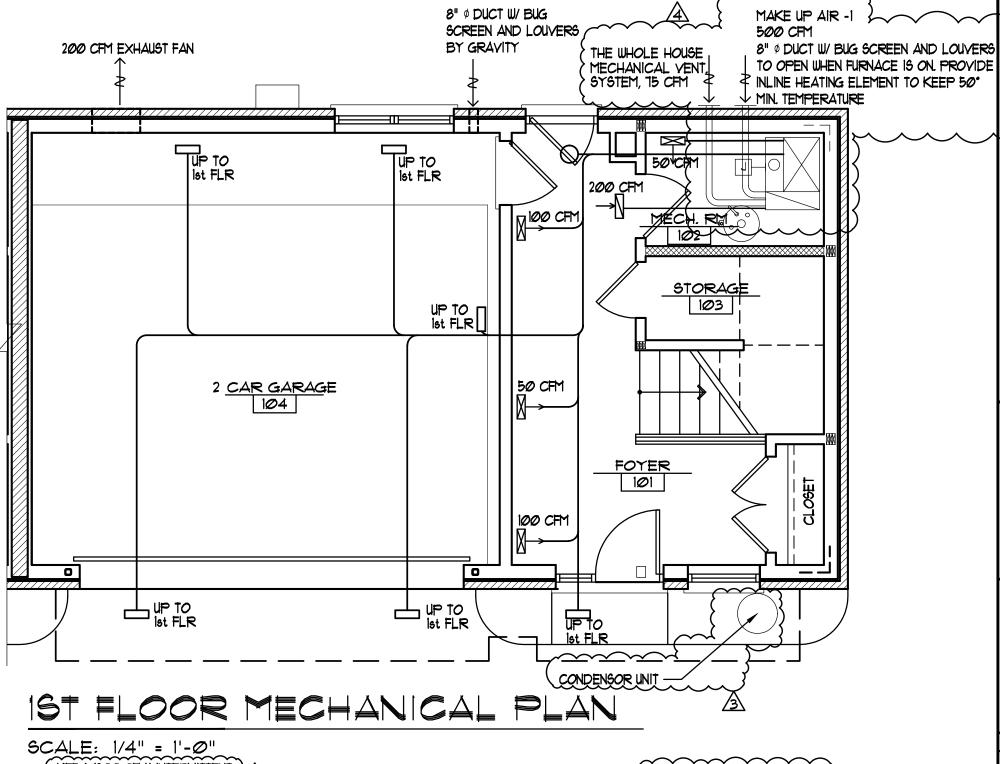
- LOCATED BY HEATING CONTRACTOR 2. ALL SUPPLY AND RETURN TO BE DUCTED
- 3. ALL ATTIC DUCTS TO BE INSULATED
- 4. ALL RETURNS TO HAVE HIGH AND LOWS W/ ADJ. DAMPERS
- 5. CONTRACTOR SHALL COORPERATE WITH ALL OTHERS FOR THE PROPER AND ACCURATE PLACEMENT OF ALL FIXTURES AND EQUIPMENT.
- 6. ALL DUCTWORK SHALL BE GALYANIZED SHEET METAL AND SHALL BE CONSRTUCTED IN ACCORDANCE TO "SMACNA" LOW PRESSURE STANDARD.
- 1. CONTRACTOR SHALL INCLUDE ON HIS BID ALL TESTING, BALANCING AND COORDINATION BETWEEN TRADES.
- 8. ALL DUCTWORK SHALL BE CONCEALED. THEY SHOULD BE RUN BETWEEN JOISTS AND INSIDE PARTITION WALLS, WHENEVER POSSIBLE.

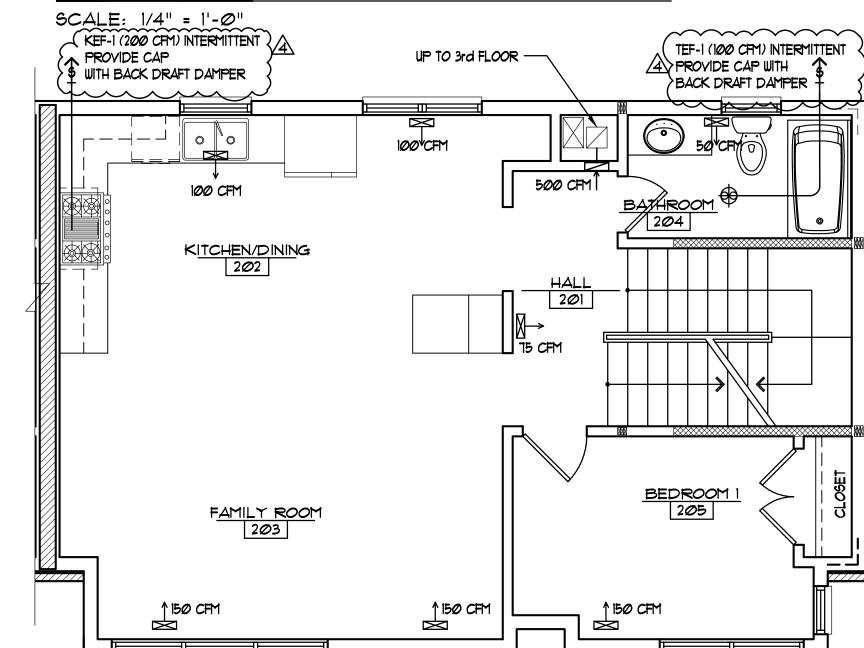


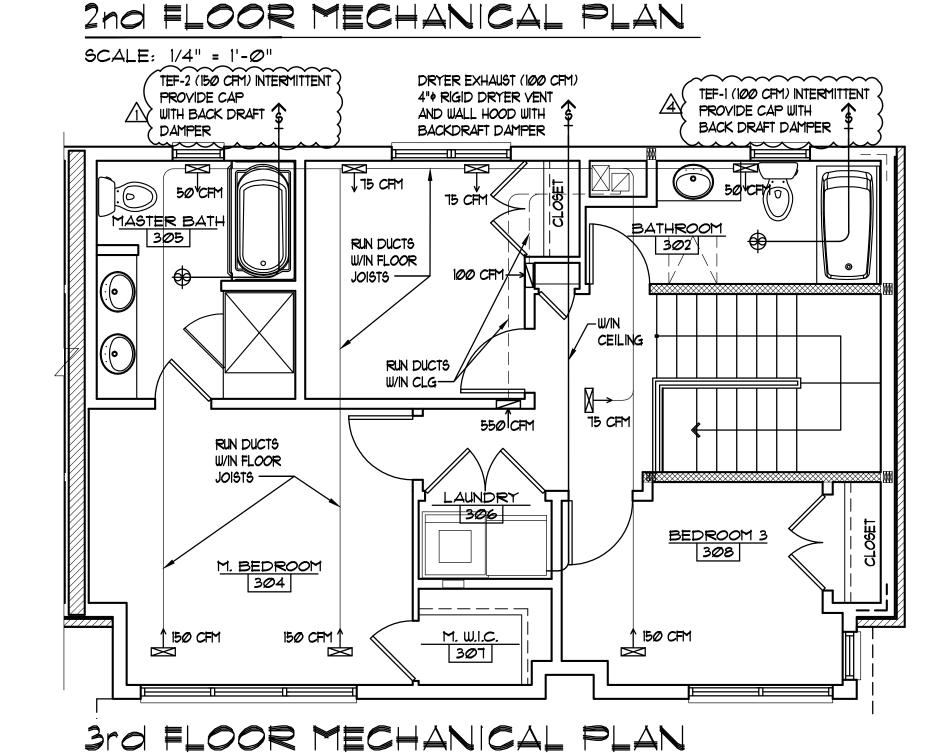
ROOF PARTIAL PLAN

SCALE: 1/4" = 1'-0"

		FLOOR		PEOPLE OUTDOOR	PEOPLE OUTDOOR)	
ROOM NAME	ROOM NO.	AREA (SQ. FT.)	OCCUPANCY CLASSIFICATION	AIRFLOW RATE IN BREATHING ZONE CFM/PERSON	AIRFLOW RATE IN BREATHING ZONE CFM/SQFT	DEFAULT OCCUPANT DENSITY #1000 SQFT	EXHAUST AIRFLOW RATE CFM/SQFT	OUTDOOR AIR FLOW RATE (CFM)
lst FLOOR								
FOYER/ENTRY AREA	101	12Ø.21				200		F-1
MECH. ROOM	1Ø2	35				5Ø		F-1
STORAGE	103	26				50		F-1
GARAGE	104	351	GARAGE	200 CFM	2	200	200	
2nd FLOOR								
HALLWAY	2Ø1	46.52				75	500	F-1
KITCHEN/DINING	2Ø2	179.16	KITCHEN	100 CFM		200	200	KEF-1, F-1
LIVING ROOM	2Ø3	214.53	LIVING			25Ø		F-1
BATHROOM	204	45.87	BATHROOM	50 CFM	1	50	100	TEF-1
BEDROOM I	205	98.67	LIVING	35 CFM	1	150		F-1
3rd FLOOR								
HALLWAY	3Ø1	52.8				75	55Ø	F-1
BATHROOM	3Ø2	55.47	BATHROOM	50 CFM	1	50	100	F-1
BEDROOM 2	3Ø3	90.65	LIVING	35 CFM	1	150	100	F-1
MASTER BEDROOM	3Ø4	150	LIVING	52.5 CFM	2	300		F-1
MASTER BATHROOM	3Ø5	82	BATHROOM	50 CFM	1	50	15Ø	TEF-2
LAUNDRY	306	18					100	DRYER EX
MASTER W.I.C.	3Ø1	21.3					_	F-1
	308	89.53	LIVING	35 CFM	•	150		F-1







SCALE: 1/4" = 1'-0"

I drawn by <u>ww</u> checked by AF sheet

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10.14.2016

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