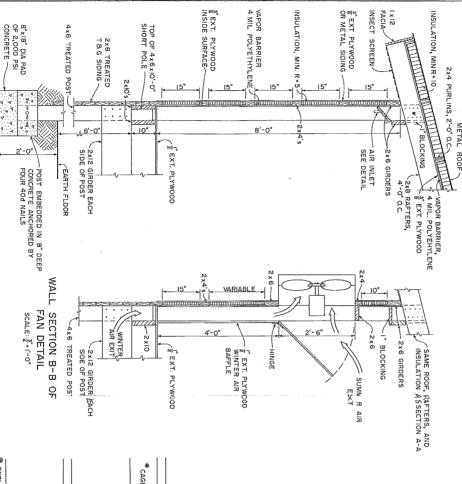


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INSULATION

THE INSULATION IS INSTALLED IN THE SIDEWALLS BETWEEN THE GRITS AND IN THE CEILING BETWEEN THE PURLINS. A 4-MIL POLYETHYLENE FILM VAPOR BARRIER IS INSTALLED ON THE WARM SIDE OF THE INSULATION, THE MINIMUM INSULATION VALUES RECOMMENDED FOR VA. ARE: R+10 IN THE CEILING AND R+5 IN THE SIDEWALLS.

VENTILATION

WINTER: FOR LIGHT BREEDS, 4.5 CU. FT. OF AIR PER MINUTE PER BIRD AT 1/8" STATIC PRESSURE IS SUGGESTED. THE TABLE ON THIS SHEET SHOWS THE SIZE AND NUMBER OF FANS REQUIRED FOR DIFFERENT LENGTH HOUSES

SUMMER: FOR LIGHT BREEDS, 6.0 CU. FT. OF AIR PER MINUTE. PER BIRD AT '/s' STATIC PRESSURE IS SUGGESTED. THE TABLE ON THIS SHEET LISTS THE SIZES AND NUMBERS OF FANS REQUIRED FOR DIFFERENT LENGTH HOUSES.

ALL FANS ARE LOCATED ON THE WORTH OR WEST SIDE OF THE BUILDING. ABOUT EVERY THRD FAN SHOULD BE INSTRALED AS SHOWN IN SECTION BE. THESE FANS ARE TO BE EQUIPPED WITH THERMOSTAT'S AND RECYCLING TIMERS. THE REMAINING FANS SHOULD BE COUPPED WITH THERMOSTAT'S ONLY AND SHOULD NOT RUN UNTIL ALL FANS WITH THE DUCTS ARE IN OPERATION. FOR WARM WEATHER OPERATION, THE DUCT IN SECTION BE SOFIED UP TO ALLOW THE FAN TO OPERATE WITH GREATER EFFICIENCY.

AIR INLET A PERIMETER TYPE AIR INLET SHOWN IN SECTION A-A IS RECOMMENDED. THE INLET SHOULD BE BLOCKED OUT, HOWEVER, FOR IO'-O" ON EACH SIDE OF THE FANS AS SHOWN IN SECTION B-B.

PROVIDE 25 SQ. IN. OF INLET AREA FOR EACH 100 C.F.M. EXHAUSTED BY THE FANS.

WINTER VENTILATION FAN SELECTION (4.5 CFM/BIRD) **NO. OF LAYERS CFM AT 1/8 SP TOTAL CAPACITY

*CAGE ROW LENGTH 40' x 96' 40' x 144' 40' x 192' 40' x 240' 40' x 288' 40' x 384' 40' x 384' 40'x144' 40'x192' 40'x240' 40'x288' 40'x384' 40'x384' SUMMER VENTILATI 6,900 9,200 11,500 13,800 18,400 23,000 13,800 18,400 23,000 4,600 6,900 9,200 11,500 ON FAN SELECTION (6 CFM / BIRD) 27,500 41,400 55,100 69,000 82,800 101,000 20,700 31,000 41,300 51,800 62,000 82,800 103,500 CFM AT 1/8 SP APPROX. CAP. EACH FAN BANK 48'O.C. 13,800 10,350

* BASED ON FLAT DECK OR STAIR STEP CAGES WITH TWO BIRDS PER 8" x 16" CAGE * EXCLUDES EGG ROOM AND SUPPLY STORAGE + END AISLE

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OF ACRICULTURE AND APPLIED SCIENCE POULTRY HOUSE EX.6140 SHEET 3 OF 3

WALL SECTION A-A SCALE: 3 " | 1-0"