

GSI 48'Ø x 14 Ring x 62,001 Bushel Rated Peak Capacity
Bin# 4032-04814-BGCAAAA

.12 CFM/Bushel Air Flow Rate selected for this Example

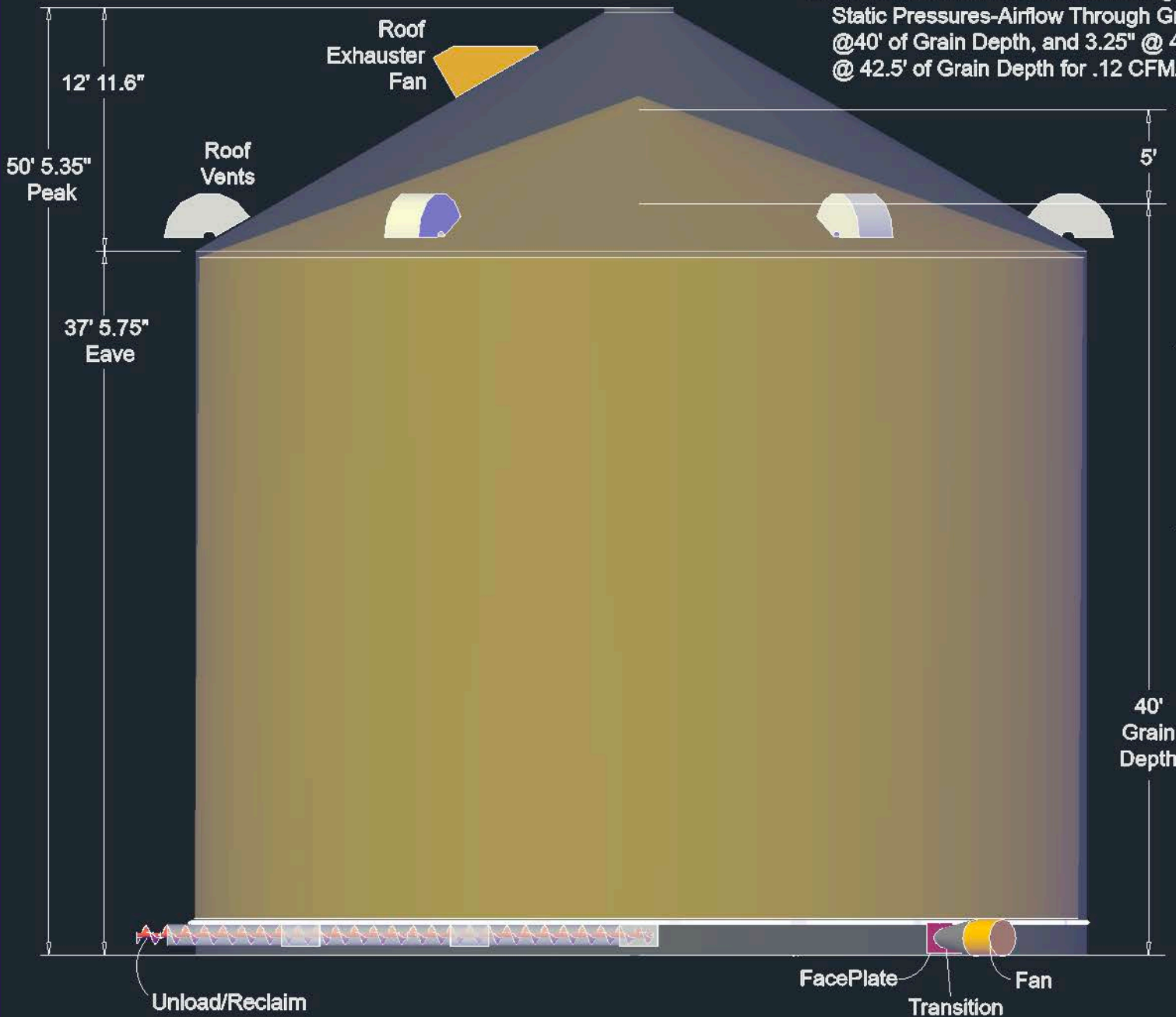
STEP 1-Determine Static Pressure: go to omegaten.com, Aeration & Pneumatics, Static Pressures-Airflow Through Grain, Wheat= 2.75" of Static Pressure @40' of Grain Depth, and 3.25" @ 45'. Interpolate and use 3" Static Pressure @ 42.5' of Grain Depth for .12 CFM/Bushel of Airflow

STEP 2-go to omegaten.com, Aeration & Pneumatics, Fans, Fan Performance; Select fan type
FNA=Axial Fan
FNC=Centrifugal Fan
FNIC=Inline Centrifugal Fan

that both: Meets your preference, and Delivers the Airflow REQUIRED against the static pressure determined above.

STEP 3-Determine required airflow, which is Total Capacity x Airflow, which in this case = 62,001 Bushels x .12 CFM/bu/min which = 7,440 CFM (Cubic Feet of Air per Minute) that must be pushed against the 3" of Static Pressure. This may require multiple fans.

STEP 4-Select Fans that will deliver required performance. In this case we choose to use TWO 3450 RPM x 18"Ø x 3 HP In Line Centrifugal Fans that deliver 3,750 CFM against 3" Static Pressure = 7,500 CFM Total-meeting the required 7,440 CFM.



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