

PERMITTED DEVELOPMENT CALCULATION OF VOLUME OF HIP TO GABLE
 FORMULA FOR HIP TO GABLE = 1/3 (BASE X HEIGHT)
 VALUE OF BASE - AREA = 1/2 (LENGTH X DEPTH)
 LENGTH - MEASURE ON SIDE ELEVATION FROM RIDGE OF NEW GABLE TO WHERE IT MEETS THE BOTTOM OF THE ROOF
 (I.e. WHERE THE ORIGINAL SIDE OF ROOF HAD ITS EAVES)
 PUT VALUE OF BASE IN FORMULA FOR HIP TO GABLE
 FORMULA FOR HIP TO GABLE - 1/3. (BASE X HEIGHT)
 HEIGHT - MEASURE ON EXISTING FRONT ELEVATION DISTANCE FROM THE EXISTING RIDGE (AT TOP OF HIP TO END OF THE RIDGE OF THE PROPOSED GABLE

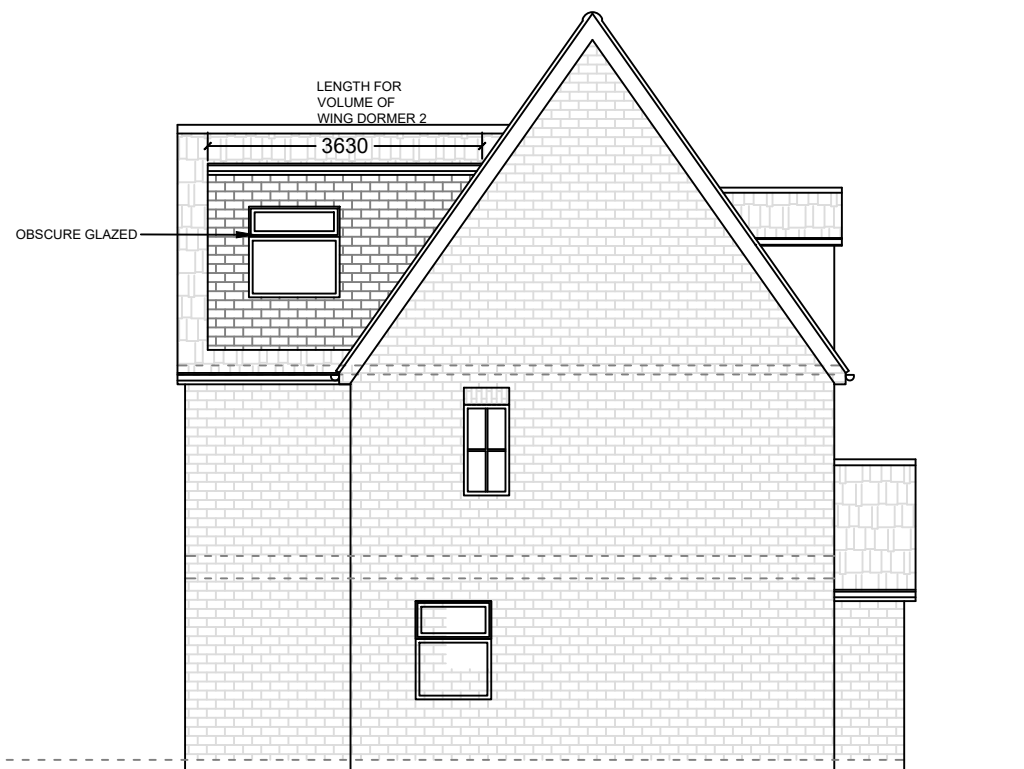
VOLUME OF REAR DORMER = 1/2 . (LENGTH X HEIGHT X DEPTH)
 = 1/2. (6.061 X 2.470 X 1.741)
 VOLUME OF REAR DORMER = 13.031 CUBIC METERS

VOLUME OF WING DORMER = (LENGTH X DEPTH X HEIGHT-1)
 = (1.889 X 1.741 X 2.465)
 = 8.106
 = (LENGTH X DEPTH X HEIGHT-2) / 2
 = 3.630 X 1.741 X 2.465 / 2
 = 7.789
 = 8.106 + 7.789
 = 15.895

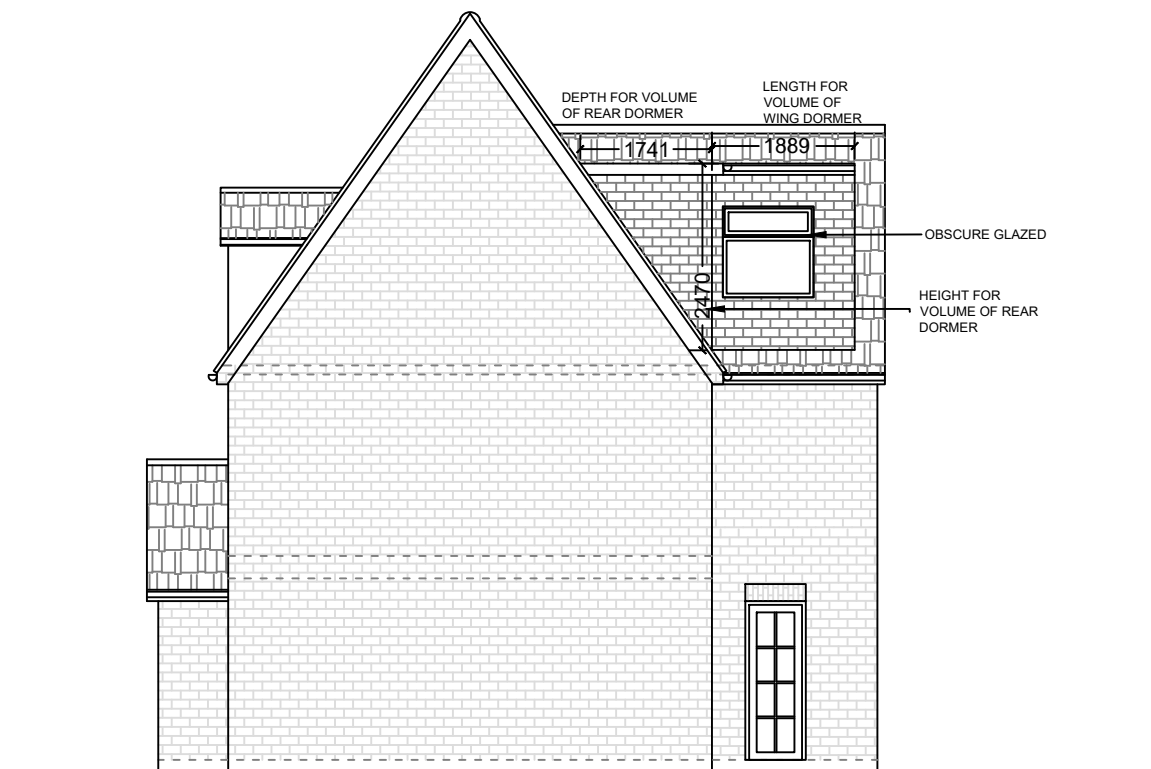
THEREFORE 13.031 + 15.895= 28.926
TOTAL VOLUME = 28.926 CUBIC METERS



16 PROPOSED REAR ELEVATION
 SCALE 1:100



17 PROPOSED L.H SIDE ELEVATION
 SCALE 1:100



15 PROPOSED R.H SIDE ELEVATION
 SCALE 1:100

NOTES

PLEASE NOTE:
 THIS IS NOT A WORKING DRAWING
 THIS DRAWING IS ONLY FOR PLANNING PURPOSES OR FOR BUILDERS TO OBTAIN ESTIMATES
 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ANY OTHER RELEVANT DRAWINGS
 ALL DETAILS AND DIMENSIONS ARE TO BE CARRIED OUT ON SITE, PRIOR TO WORKS COMMENCING OR ANY ORDERING OF MATERIALS

DRAWING TITLE:
 CALCULATION

DATE:
 APRIL 2022

DRAWING NO:
 16NDHA 11 A



PROJECT LOCATION:
 16 Nimrod Dr, Hatfield AL10 9LS, UK

SCALE:
 1:100 @ A3

