



INSTALLATION OF A SHEETMETAL OR PLASTER OUTER TO BEECH OVENS

file sheetmetal

The outside of the pizza oven requires some kind of architectural finish. Brick, or rendered brick lends itself well to the kitchen environment because it is cheap and strong. However, in situations where space is a short, at least 150mm on the OD of the oven can be saved by the use of standard metal studs covered in some form of cladding. Either colorbond, corrugated iron, copper or stainless steel. Fireproof plasterboard or perforated metal with render or plaster may also be considered. The cladding could be from floor to ceiling or simply around the body of the oven. It is the customer / designer's choice. Refer to drawings 540.1 for two (2) methods commonly employed.

The selected architectural material is mounted to metal studs which can be erected around the oven in either of two methods:-

1. Fabricate the circular bottom and top plate in mdf board or plywood and mount to the floor and ceiling (If required). Cut the bottom metal plate to achieve the desired circle diameter. (RONDO ® flexible channel is ideal for this purpose).
Then place studs as normal. (For rounded or curved wall 300mm spacing is required. I.e. 20° spacing. For straight walled areas 450mm spacing with metal noggins between studs.) In this instance, glue the insulation to the oven as normal, before fabrication of wall.
2. Directly screwed into pre drilled holes into the steel outer wall of the oven. The metal studs need to be at least 75mm deep to allow for the provided insulation around the oven. This insulation is glued to the steel external skin of the oven between the studs as normal. It is advisable to place some form of insulation between the stud and the cladding. These studs should be calculated to 20° spaces or as required depending on cladding material.

EXTERNAL TEMPERATURE OF THE INSULATION NEVER EXCEEDS 55°C.

Once the sheetmetal is placed to the outside of the oven, a sheetmetal arch needs to be formed and attached to the mouth of the oven. We also recommend a hearth at the base of the mouth of the oven. This can be of granite or Stainless steel. The normal dimensions of this can be seen on Dwg 2.

The exhaust duct needs to be installed and connected before the sheetmetal outer can be fitted. The external temperature of the sheetmetal at full operational temperature is less than 40 degrees C.. Refer to Duct Design for this technical information or refer to "Site Map" on our web page. Refer to photos of this work described at

BEECH WOOD FIRED OVENS

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Shanghai Angelhood Co.,Ltd.

Bld.8 Hongmei Road(S) No.4999,Shanghai China

ADD: 上海市虹梅南路 4999 号 8 号楼

ZIP: 201109

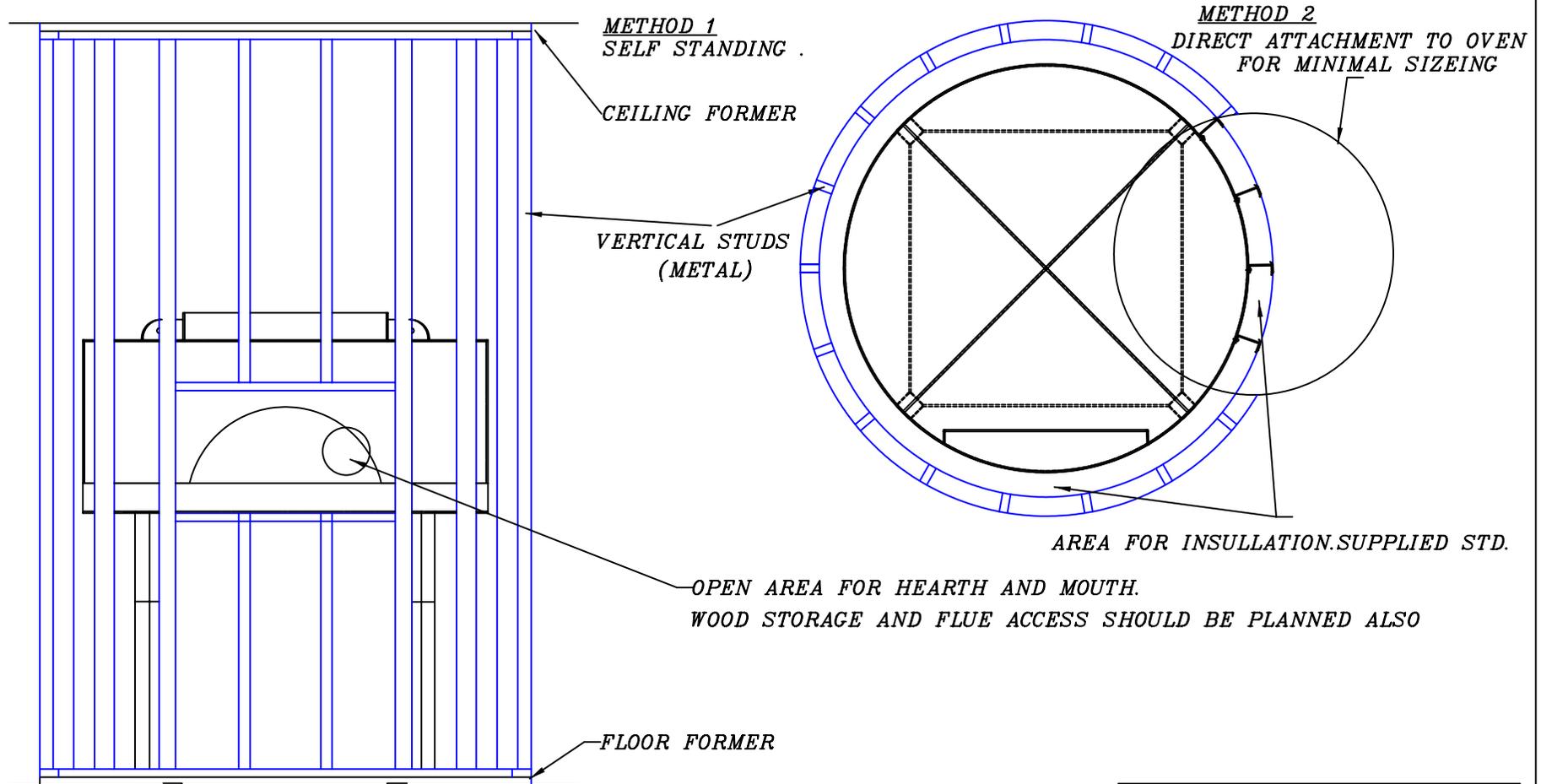
www.angelhood.com.cn

TEL: 86-21-51691855

FAX: 86-21-51687575

Email: shanghai@angelhood.com.cn

TWO (2) METHODS FOR CREATING METAL STUD WALL



DRAWING IS TO BE VIEWED IN CONJUNCTION WITH "SHEETMETAL DOC."

SHAPE OF STUD WALL CAN VARY FOR YOUR SITUATION.
WOOD STORAGE AND FLUE ACCESS ARE NOT INCLUDED IN THIS DRAWING
STUDS SHOULD BE METAL WITH METAL NOGGINS.
FLOOR AND ROOF ATTACHMENT MAY BE WITH 'MDF' OR PLY IN DESIRED SHAPE.

TO MINIMIZE SIZE, 75mm STUDS CAN BE ATTACHED TO THE OVEN BODY.
AN INSULATING MATERIAL SHOULD BE USED BETWEEN STUD AND CLADDING IN THIS CASE.

STUD WALL FOR ROUND OVENS



BEECH WOOD FIRED OVENS
AUSTRALIA(617)33970277

DWG. 540.2

REV.

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