



2019 SKILLS ONTARIO COMPETITION

ARCHITECTURAL TECHNOLOGY DESIGN

SECONDARY SCHOOL COMPETITION



Competition Date: Tuesday May 7, 2019 @ 8:00 am

Competition Duration: 6 hours

Location: Toronto Congress Centre
650 Dixon Road, Etobicoke, Ontario M9W 1J1

Technical Chair: Joel Foster
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ILLS WORK!

This document is only to be used in preparation for the Ontario Technological Skills Competition.

EXAMPLE



INSURANCE JOB

You are working for small architectural firm between semesters and your boss gives you an insurance job; while on vacation a gentleman's house caught fire, burning it right down to the foundation. The insurance company has hired your firm to provide rebuild drawings in order to get pricing. However, given the opportunity to start fresh, the homeowner would like to add some extra features.

Your task is to complete presentation and working drawings according to the original conditions of the home along with the extra features asked for by the homeowner. You are given some rough sketches from the owner of the existing home and the approximate main floor layout, refer to the original conditions and sketches attached.

Original Conditions:

- Roof = 2x10 Roof Rafters (refer to sketch)
- Main Floor ceiling height = 8'-0"
- Basement ceiling height = 8'-0"
- Interior Walls = 2x4 wood studs (1/2" drywall each side)
- Exterior Walls = 2x6 wood studs complete with 3 1/2" brick veneer & siding (1/2" drywall on the inside)

NOTE: Front elevation to have brick, all other sides to have vinyl siding.

- Include (Refer to sketch):
 - Kitchen with an island seating a minimum of 4
 - Master Bedroom with Ensuite and walk in closet
 - 1 Bedroom complete with closet
 - 3-piece Bathroom
 - Living Room
 - Stairs to Basement

Extras:

The homeowner would like to turn his basement into a rental unit and wants your input on design/layout. Please see below for the homeowners required features to be included:

- Separate entrance from the outside to the basement apartment (refer to sketch for entry location)
- Shared laundry room (homeowner should be able to access laundry without going outside)
- Mechanical room
- Storage room
- The rest is free for you to design!!! (Think about other rooms/features that may be required or desired)

No.	Drawings Description	Marks
PRESENTATION DRAWINGS		
1.	Main Floor Plan	16
2.	Front Elevation	16
3.	Side Elevation - Show Basement/Apartment Entry (refer to sketch)	16
TECHNICAL DRAWINGS		
4.	Basement/Apartment Floor Plan	16
5.	Exterior Basement Entry Stair Section	16
6.	Building Section (refer to sketch for location)	16
7.	Interview	4
TOTAL		100

BONUS (16 Marks)

If the homeowner can afford it, he would like to add a deck to the back of the house complete with:

- BBQ Area
- Bench Seating
- Planter Boxes
- Wide Stairs to the Backyard
- Provide a shaded area (ie: pergola)

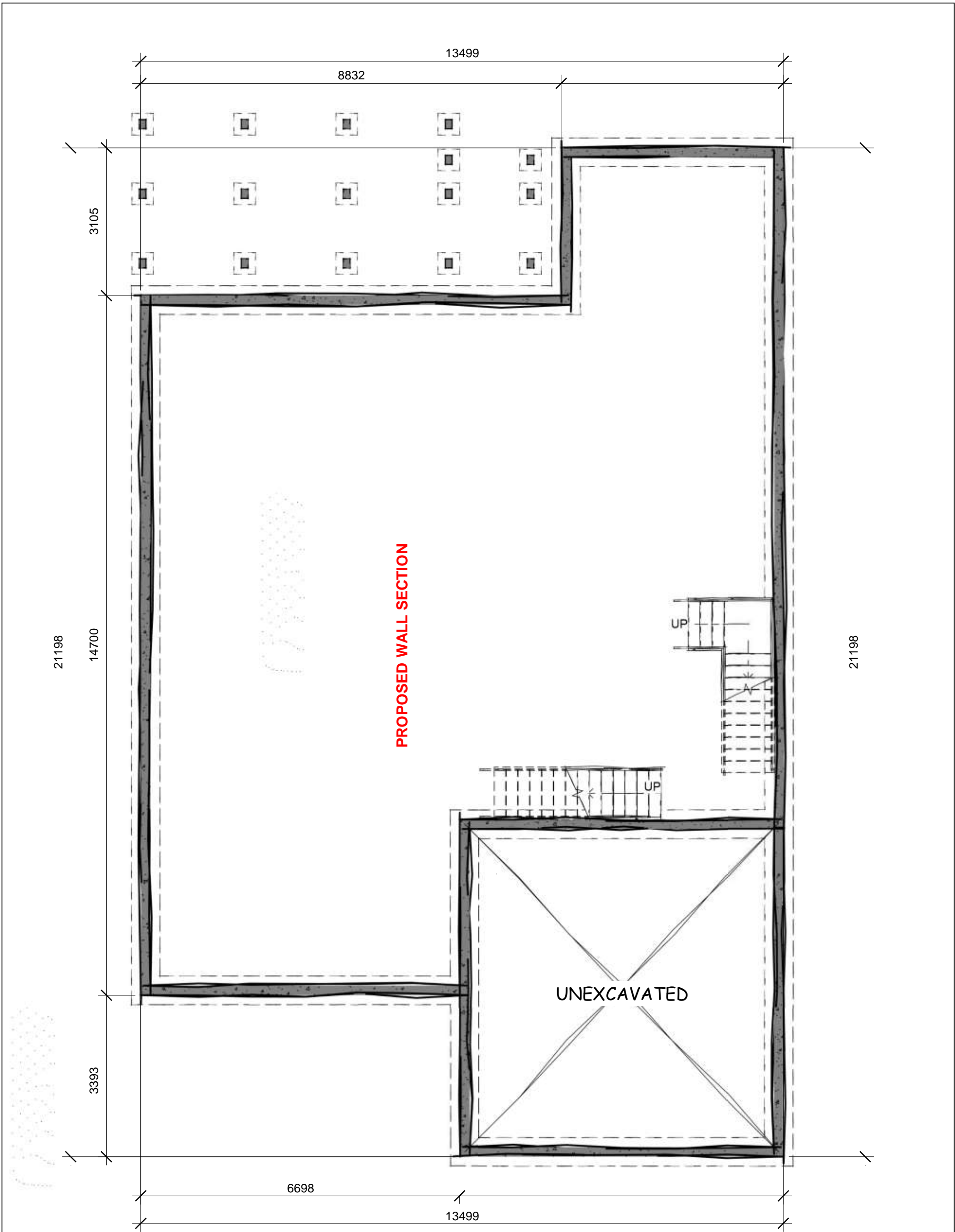
Printing:

- Set up your drawings to an appropriate scale on 11x17 sheets complete with title blocks
- SAVE YOUR WORK OFTEN!
- When time expires print to PDF, then when **INSTRUCTED** send them to the printer
- IMPERIAL UNITS ONLY!

SKILLS WORK!

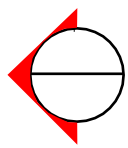
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EXAMPLE



PROPOSED WALL SECTION

UNEXCAVATED



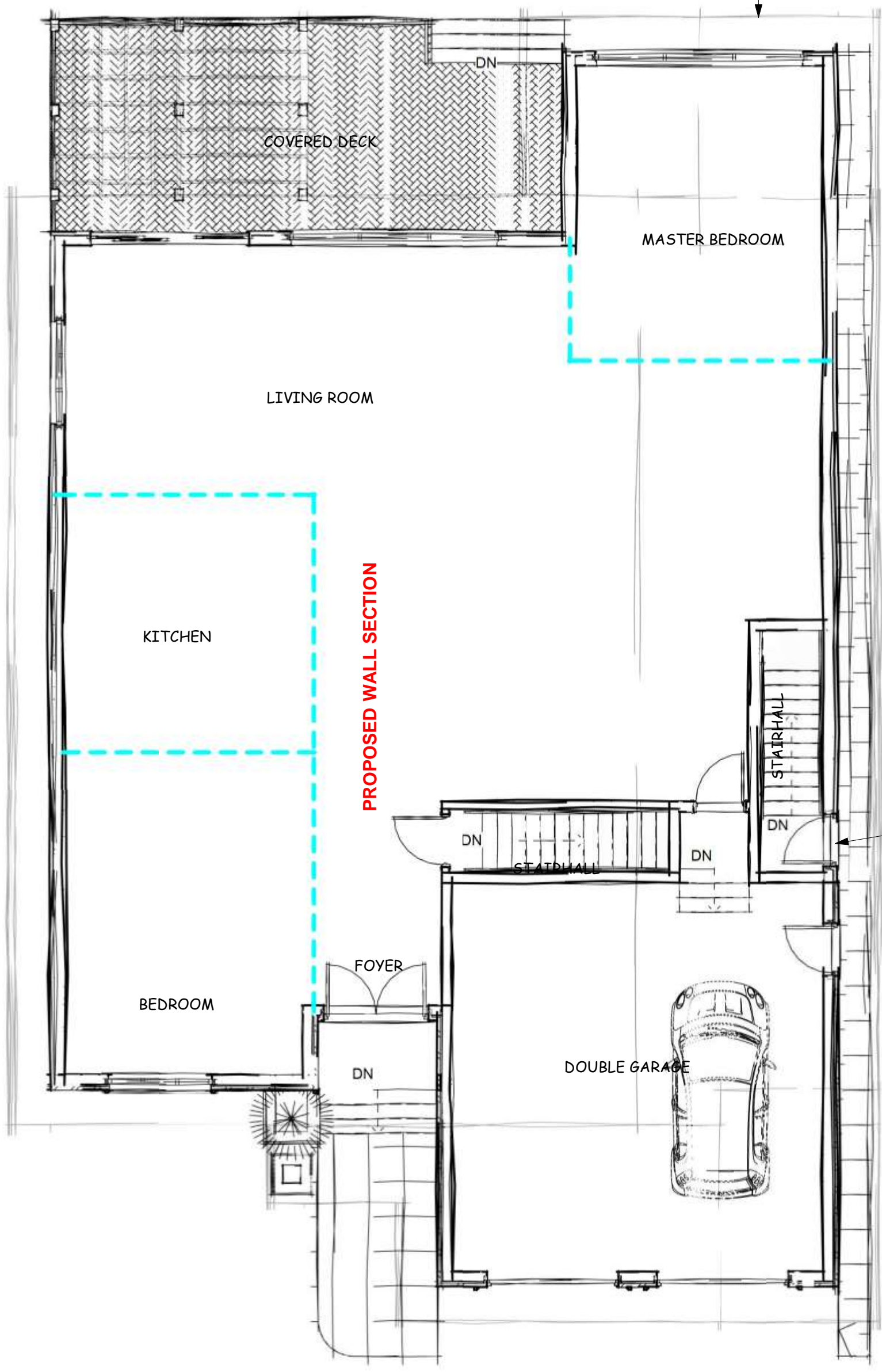
BASEMENT FLOOR SKETCH

A100

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	05/2019

EXAMPLE

EXTENTS OF ROOF ABOVE



PROPOSED WALL SECTION

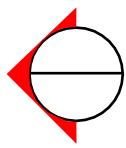
GROUND FLOOR SKETCH

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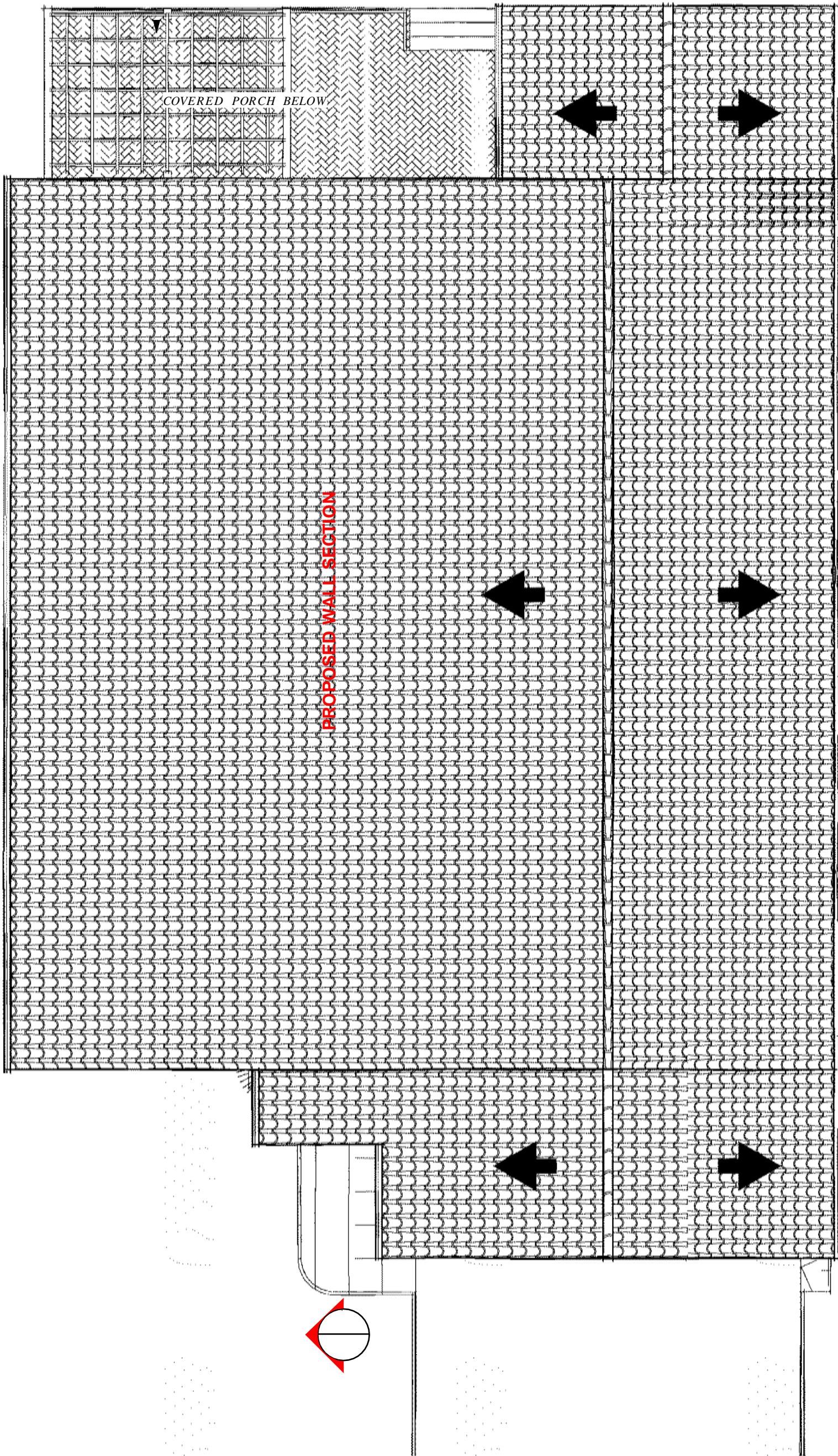
A101

SCALE: 1:75

EXAMPLE



TIMBER PERGOLA



ROOF PLAN SKETCH

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	05/2019

A102

EXAMPLE