



# Architectural Technology and Design

(Secondary Practical Challenge)



April 9, 2015



## Skills Canada – Manitoba

### Architectural Technology and Design (Secondary)

April 9, 2015

#### **ASSIGNMENT – TIME ALLOTTED 4 HOURS**

1. Provide a **mud room addition** on the south side of the existing house.
2. The home owners want the mud room addition to reflect the design of their existing house.

#### **DESIGN SPECIFICATIONS:**

A mud room is an area built into some houses to act as a barrier between the outdoors and indoors. This type of small, specialized room can be a useful addition because it helps to keep the house clean. It constitutes a clear boundary between indoors and out.

#### **Mudroom Features:**

- Easily cleaned floors made in materials like tile, concrete, or linoleum.
- Closets, hooks and racks for damp, wet clothing, as well as racks or cubbies for shoes.
- Benches for people to sit on while they remove their shoes are common.

The following **specifications and guidelines** apply to the mud room design:

1. Build within the 15'-6" recessed area as shown on the provided floor plan and south elevation drawings.
2. The mud room addition will be 15'-0" deep (measured from the existing house exterior wall stud faces).
3. Match the wall heights of the mudroom with the existing house. See the provided section drawing.
4. Remove the existing sliding glass door to provide access from the mudroom addition to the existing house.
5. Remove the existing exterior stairs, roof overhang, and vinyl siding at the addition.
6. Provide access (exterior door) to the mudroom on the east side.
7. Provide ample natural light. Window sizes and placement are the designer's choice.
8. Provide stairs from the mudroom concrete floor to the existing house finished floor.
9. Provide a closet for clothes and shoes.
10. Provide benches for seating which will also serve as storage inside.

#### **DRAWINGS PROVIDED**

1. Existing house floor plan.
2. Existing house south.
3. Existing house west elevation.
4. Mud room wall section.
5. Mud room foundation detail.

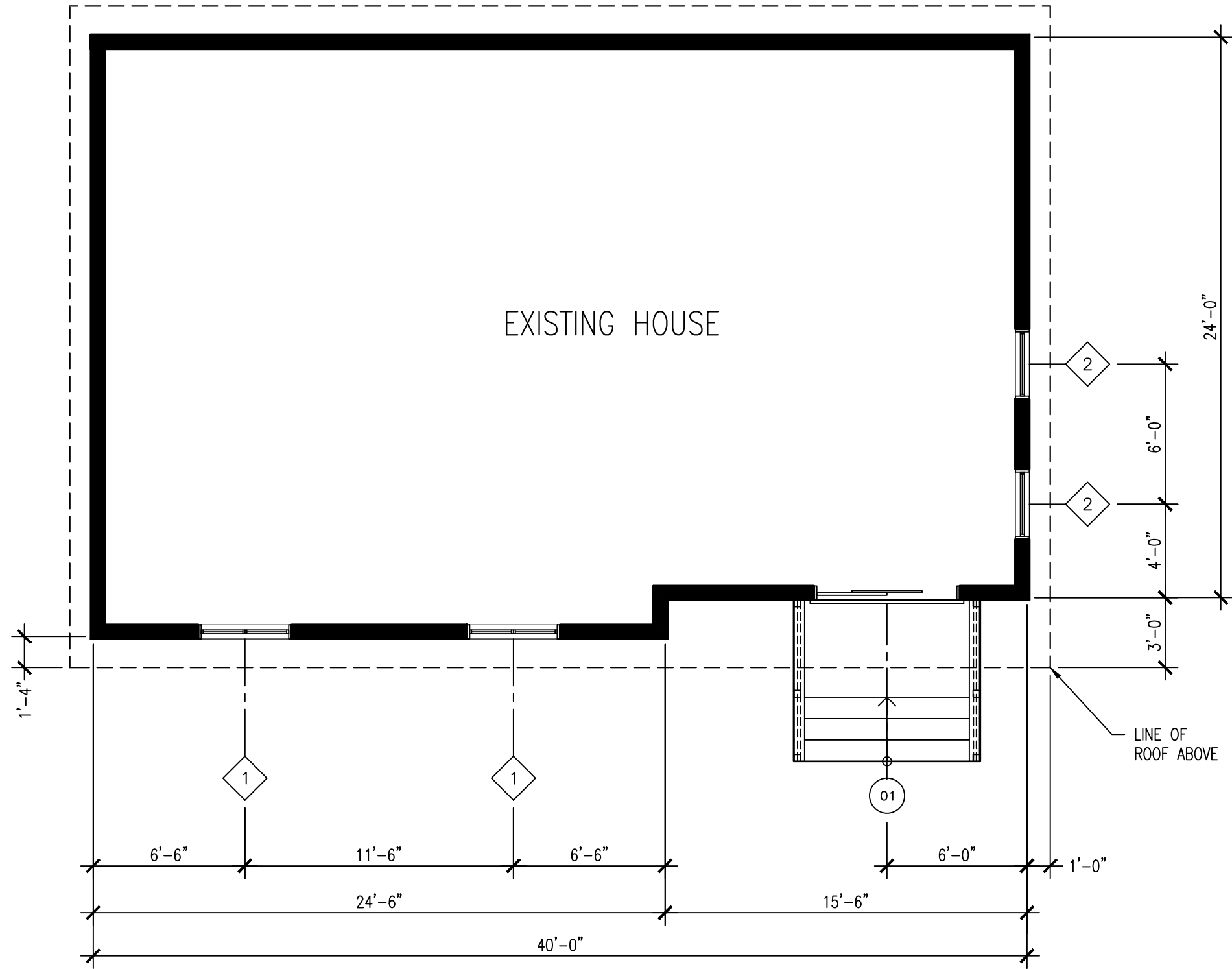
#### **DRAWINGS REQUIRED:**

Three drawings will be required:

1. A **dimensioned floor plan (working format)** of the mud room addition including its attachment to the existing house.
2. A **presentation format south elevation (above grade only)** of the new mud room addition including the existing house.
3. A **dimensioned (working format) east elevation (above grade only)** of the new mud room addition including the existing house.

#### **PLOTTING INFORMATION:**

1. The scale of each drawing is the designer's choice, but should be to a standard architectural scale.
2. Plot on **17" x 11"** (B size, tabloid) sheets; each drawing will be plotted black and white (monochrome) on separate sheets.
3. Refer to the "Drawing Format Specifications" sheet for border and title block information. Use your **competitor number**, not your name, on each plotted sheet.



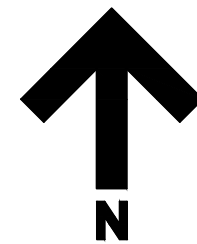
DOOR SCHEDULE				
MARK	DOOR SIZE			TYPE
	WD	HGT	THK	
1	6'-0"	6'-8"	1 1/4"	SLIDING GLASS

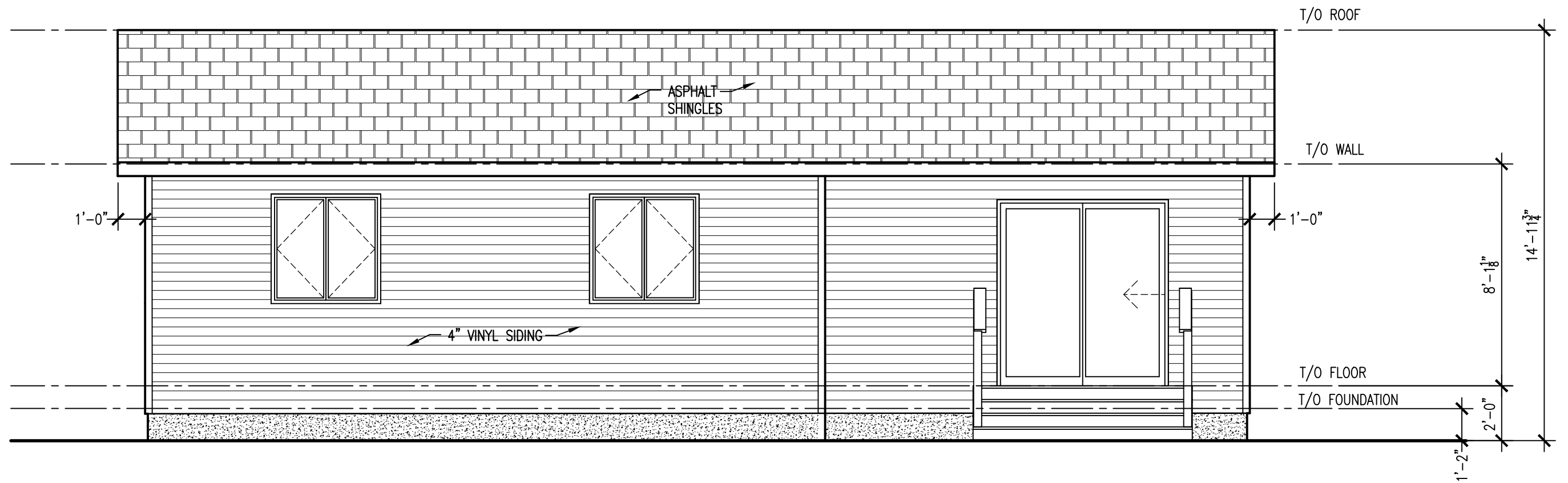
WINDOW SCHEDULE				
QUANTITY	MARK	WINDOW SIZE		TYPE
		WIDTH	HEIGHT	
2	1	4'-0"	4'-0"	DOUBLE CASEMENT
2	2	3'-0"	5'-0"	SINGLE CASEMENT

NOTES:

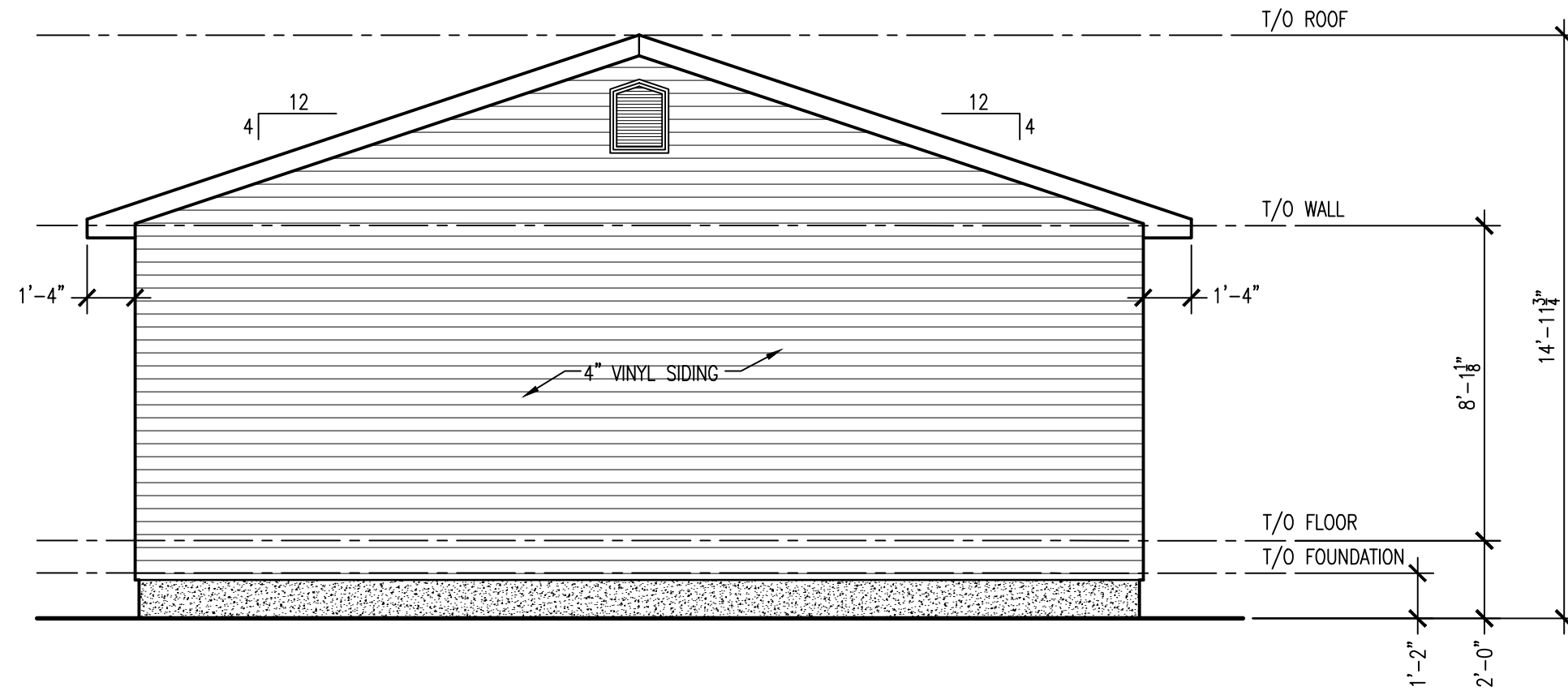
- ALL DIMENSIONS O/O STUD FACES
- DESIGNER TO CHOOSE WINDOW STYLES TO MATCH EXISTING.
- REMOVE EXISTING ROOF OVER HANG AT MUD ROOM ADDITION.
- REMOVE EXISTING SLIDING GLASS DOOR TO PROVIDE ACCESS TO MUD ROOM ADDITION.
- REMOVE EXISTING EXTERIOR STAIRS.

FLOOR PLAN  
SCALE:  $\frac{3}{16}'' = 1'-0''$

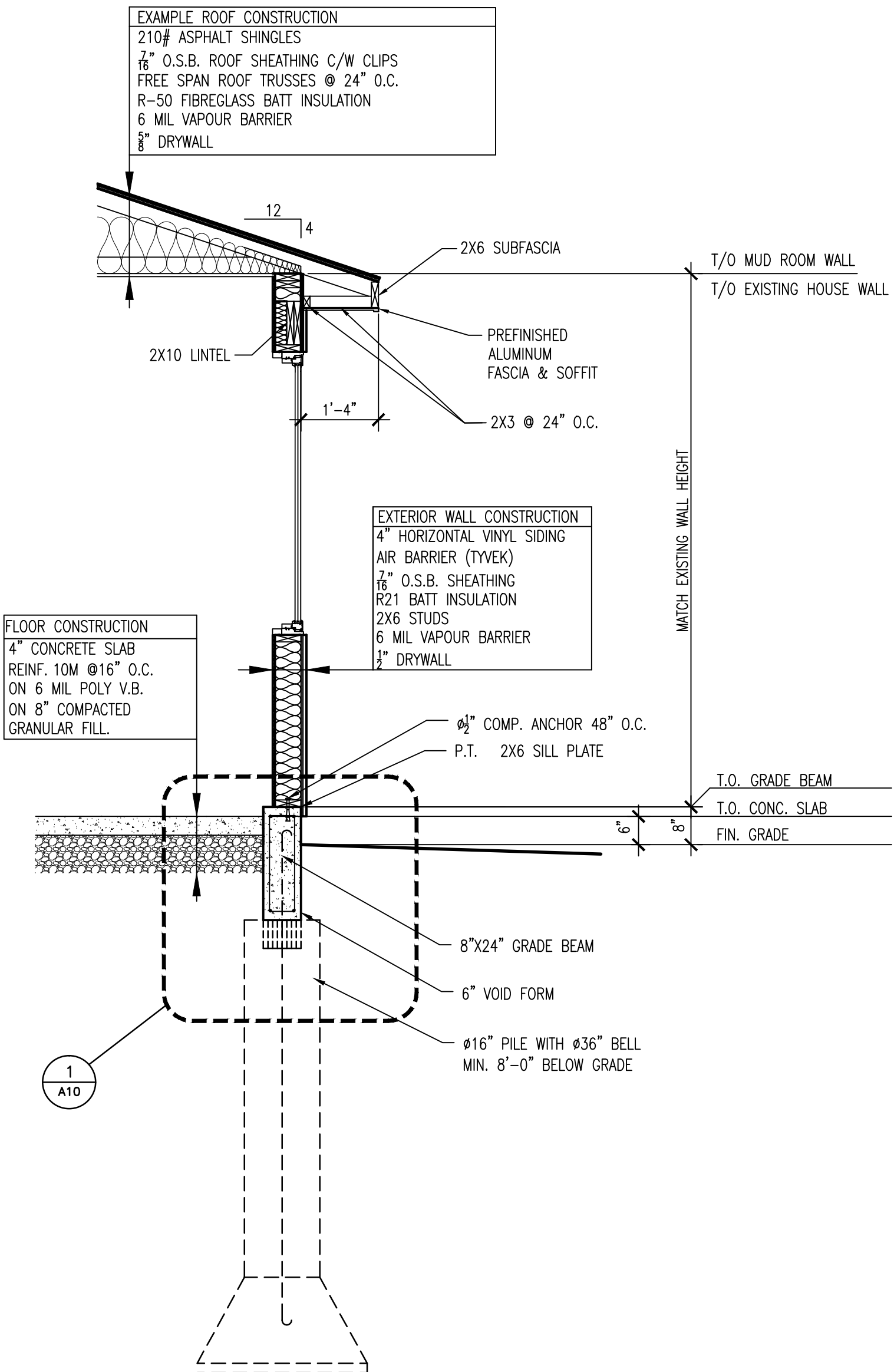




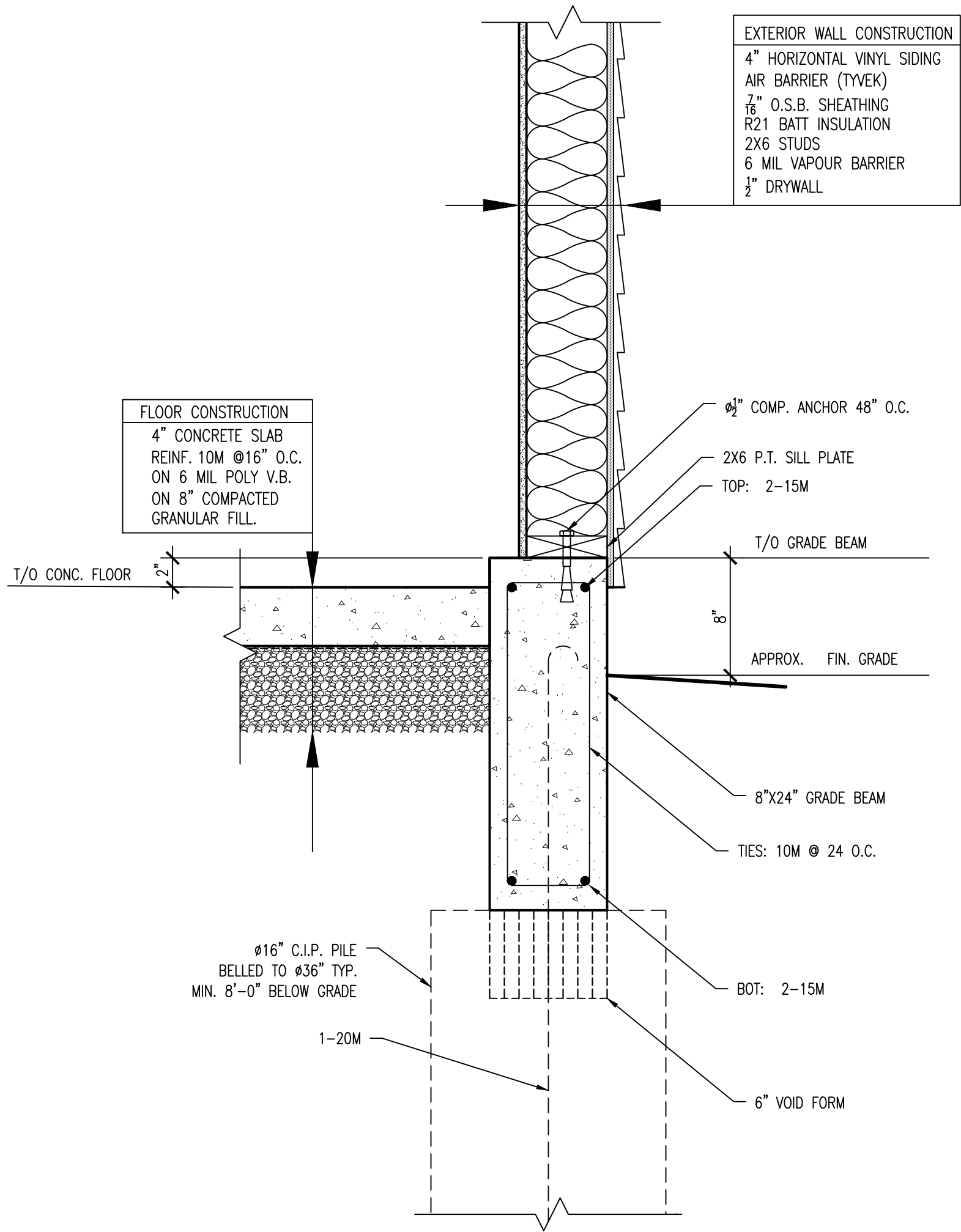
SOUTH ELEVATION—EXISTING HOUSE  
 SCALE: 1/4"=1'-0"



WEST ELEVATION—EXISTING HOUSE  
 SCALE: 1/4"=1'-0"



**MUD ROOM WALL SECTION**  
 SCALE: 1/2" = 1'-0"



**MUD ROOM FOUNDATION DETAIL**  
 SCALE: 1"=1'-0"

# DRAWING FORMAT SPECIFICATIONS:

## SHEET SIZE:

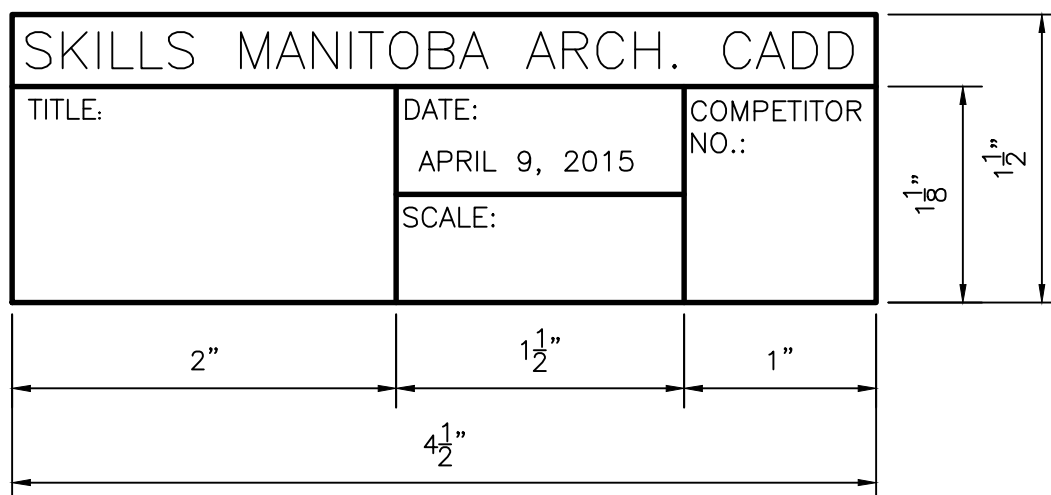
- "B" Size (tabloid) paper (17 x 11)

## BORDER:

- $\frac{1}{2}$ " in on all four side (plotted sizes)

## TITLEBLOCK:

- Use the drawing below to create your title block.
- Use your **competition number**, not your name.



## TEXT HEIGHT:

- NOTES:  $\frac{3}{32}$ " (0.1") Plotted Height.
- TITLES:  $\frac{3}{16}$ " (0.2") Plotted Height.

## DIMENSION STYLE:

- See sketch for example of dimension style.
- Dimension text height is  $\frac{3}{32}$ " (0.1")  
Font is Arial.

