A SMALL HOUSE ON A SLOPE

CONCEPT DRAWINGS

1 PROJECT DATA

ITEM	VALUE
LOT	50 FT x 100 FT, 5,000 SQ FT
HOUSE	30 FT x 32 FT, TWO LEVELS
FRONT SETBACK	15.0 FT
GROSS FLOOR AREA	1,920 SQ FT
LOT COVERAGE	19.2%
RIDGE ABOVE LOWEST GRADE	27'-11" (LIMIT 30 FT)
FALL ACROSS THE LOT	24'-4"

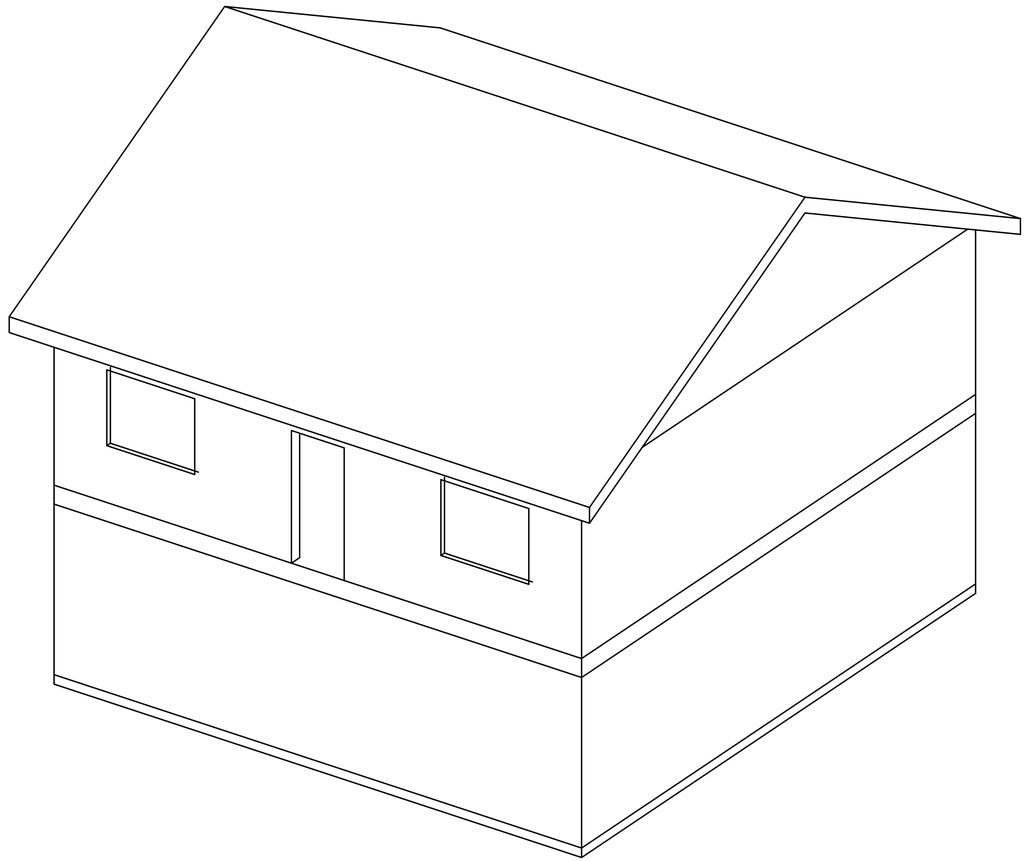
2 THE HOUSE AT THREE FRONT SETBACKS

FRONT SETBACK	GRADE AT REAR	RIDGE ABOVE GRADE	UNDER 30 FT
10 FT	-6'-11"	+26'-11"	YES
20 FT	-9'-8"	+28'-10"	YES
30 FT	-12'-7"	+30'-10"	NO

Each row is this document evaluated at that front setback: the host runs the three configurations before it writes the sheets, and every value is the model's own report(). The further down the slope the house sits, the lower the grade at its rear and the taller it stands over it: at 30 ft back it breaks the 30 ft limit.

3 GENERAL NOTES

1. A concept study of massing and height only; not for construction.
2. Grades are from a fictional survey on a 10 ft grid; contours are drawn from its triangulation.
3. Heights are measured from the lowest grade under the house to the ridge.
4. Dimensions are to the outside face of the walls.



4 AXONOMETRIC

Scale: NOT TO SCALE

A SMALL HOUSE ON A SLOPE

LOT 7, EXAMPLE HILL ROAD
A FICTIONAL SITE

CONCEPT STUDY
NOT FOR CONSTRUCTION

Every number on these sheets is computed from examples/house_set.star; the survey is fictional.

ISSUE:	CONCEPT
DATE:	2026-09-27
DRAWN BY:	CADPOLE
CHECKED BY:	-

SHEET INDEX

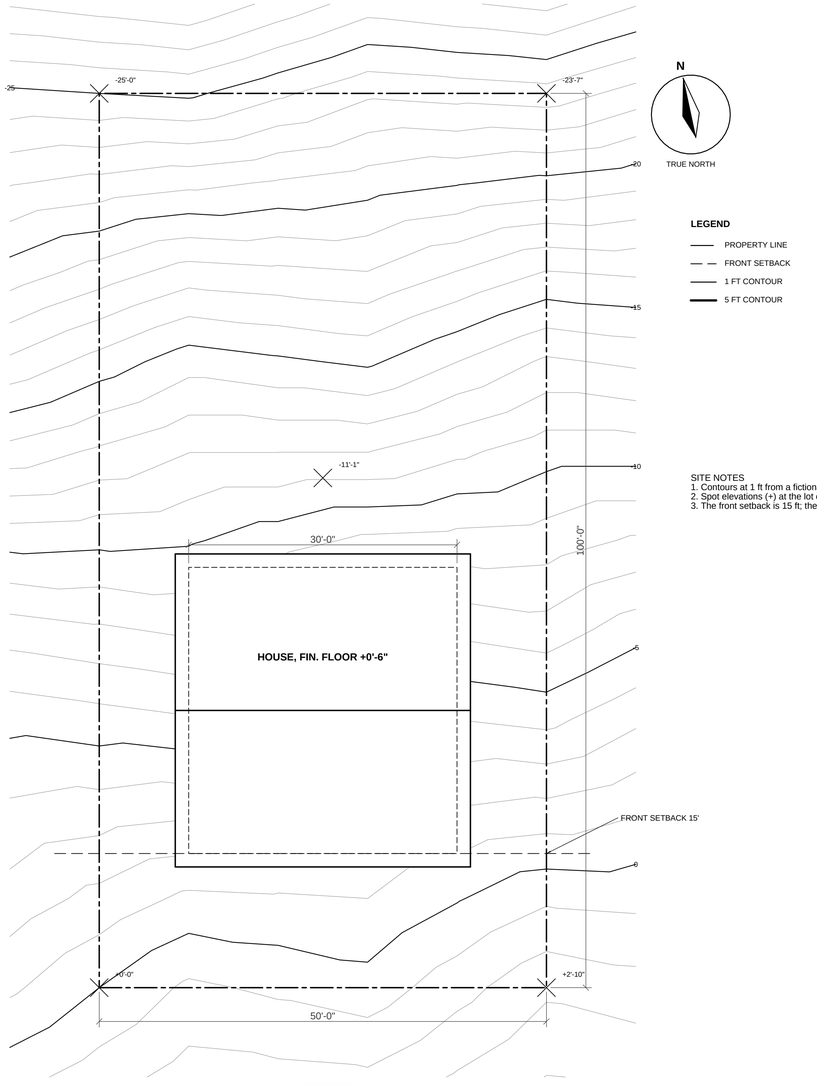
G0.0	**COVER SHEET**
A1.0	SITE PLAN
A2.0	FLOOR PLANS
A3.0	SECTION AND ELEVATION

SCALE:
AS NOTED

COVER SHEET

SHEET
house_set

G0.0



LEGEND

- PROPERTY LINE
- FRONT SETBACK
- 1 FT CONTOUR
- 5 FT CONTOUR

SITE NOTES
1. Contours at 1 ft from a fictional survey on a 10 ft grid, every fifth labelled in feet from the sidewalk.
2. Spot elevations (+) at the lot corners and behind the house, from the sidewalk at the front line.
3. The front setback is 15 ft; the house is 30 ft by 32 ft under a 6 in 12 gable.

1 SITE PLAN

Scale: 1/8" = 1'-0"

GRAPHIC SCALE (FEET)

0' 5' 10' 15' 20'

A SMALL HOUSE ON A SLOPE

LOT 7, EXAMPLE HILL ROAD
A FICTIONAL SITE

CONCEPT STUDY
NOT FOR CONSTRUCTION

Every number on these sheets is computed from examples/house_set.star; the survey is fictional.

ISSUE:	CONCEPT
DATE:	2026-09-27
DRAWN BY:	CADPOLE
CHECKED BY:	-

SHEET INDEX

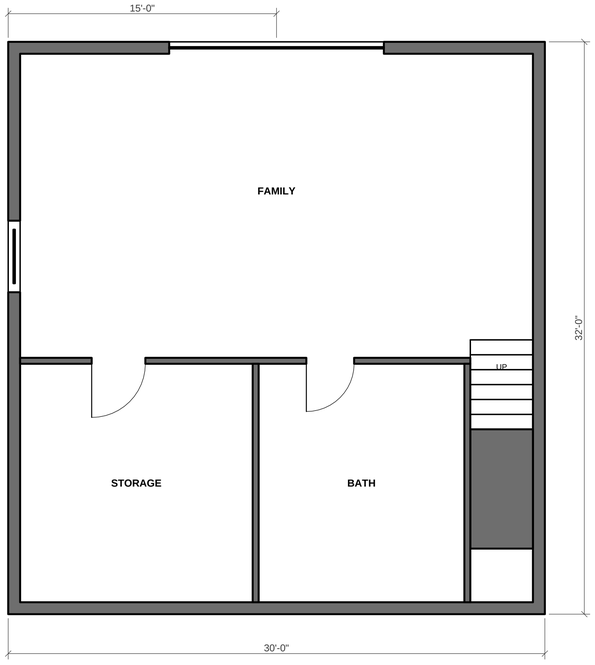
G0.0	COVER SHEET
A1.0	**SITE PLAN**
A2.0	FLOOR PLANS
A3.0	SECTION AND ELEVATION

SCALE:
1/8" = 1'-0"

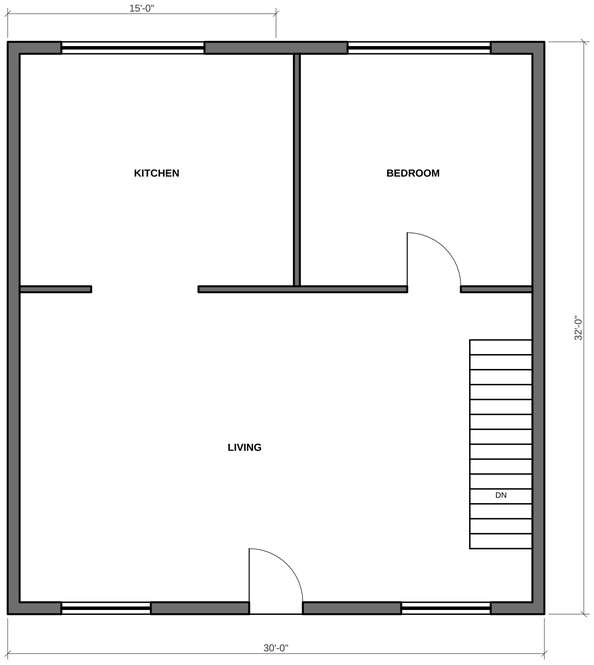
SITE PLAN

SHEET
house_set

A1.0



1 **LOWER LEVEL PLAN, FIN. FLOOR -9'-6"**
Scale: 1/4" = 1'-0"



2 **STREET LEVEL PLAN, FIN. FLOOR +0'-6"**
Scale: 1/4" = 1'-0"





A SMALL HOUSE ON A SLOPE

LOT 7, EXAMPLE HILL ROAD
A FICTIONAL SITE

CONCEPT STUDY
NOT FOR CONSTRUCTION

Every number on these sheets is computed from examples/house_set.star; the survey is fictional.

ISSUE:	CONCEPT
DATE:	2026-09-27
DRAWN BY:	CADPOLE
CHECKED BY:	-

SHEET INDEX

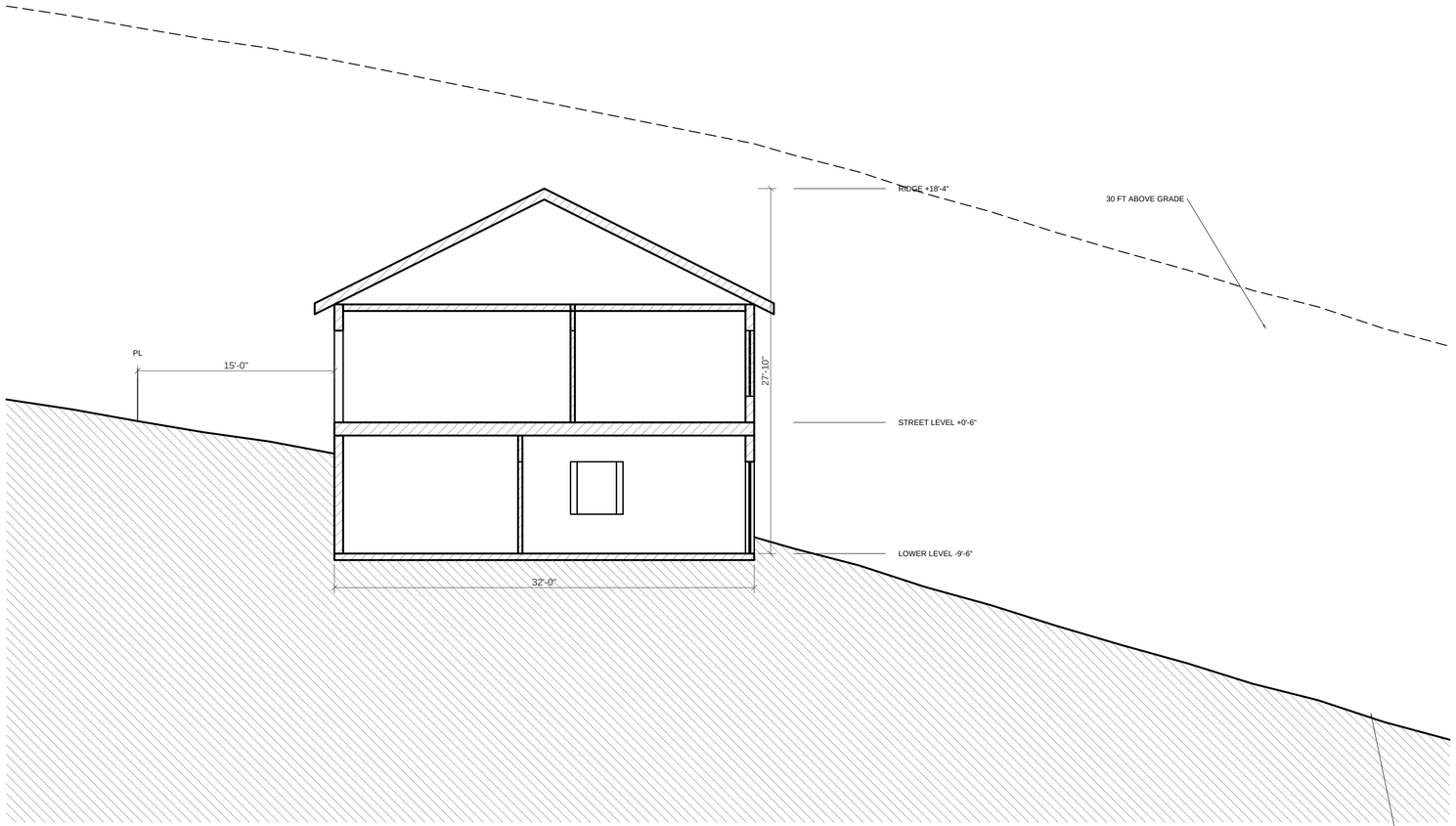
G0.0	COVER SHEET
A1.0	SITE PLAN
A2.0	**FLOOR PLANS**
A3.0	SECTION AND ELEVATION

SCALE:
1/4" = 1'-0"

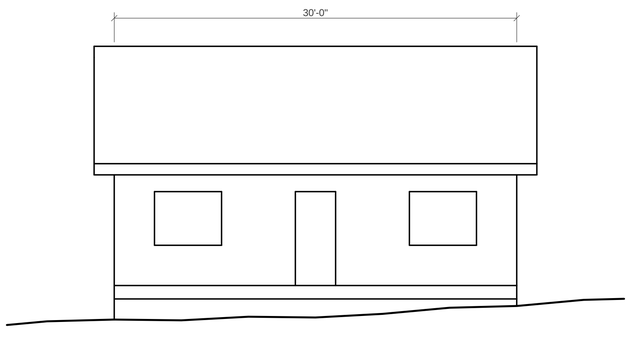
FLOOR PLANS

SHEET
house_set

A2.0



1 **SECTION A-A, LOOKING WEST**
Scale: 3/16" = 1'-0"



2 **STREET ELEVATION**
Scale: 3/16" = 1'-0"

A SMALL HOUSE ON A SLOPE

LOT 7, EXAMPLE HILL ROAD
A FICTIONAL SITE

CONCEPT STUDY
NOT FOR CONSTRUCTION

Every number on these sheets is computed from examples/house_set.star; the survey is fictional.

ISSUE:	CONCEPT
DATE:	2026-09-27
DRAWN BY:	CADPOLE
CHECKED BY:	-

SHEET INDEX

G0.0	COVER SHEET
A1.0	SITE PLAN
A2.0	FLOOR PLANS
A3.0	**SECTION AND ELEVATION**

SCALE:
3/16" = 1'-0"

SECTION AND ELEVATION

SHEET
house_set

A3.0