

APPENDIX I
Structure Layouts and Photographs

-0.35	0.0	Entry	-0.35	1.2	1.95	2.15	5.35	3.05
Master Bedroom			-0.85	Kitchen		TV Room	6.1	5.05
1.75	0.65	Bath	-0.35	-0.05	-0.05	1.95	3.6	6.45
						2.45	2.75	3.05

N
↗

TS-KY2

10 ft.





TS-IN single wide trailer

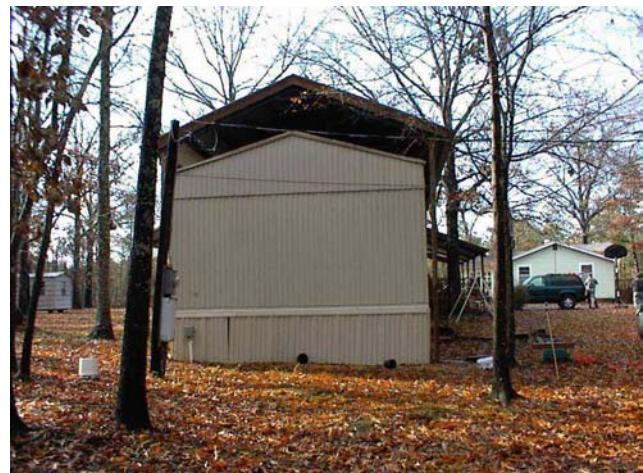
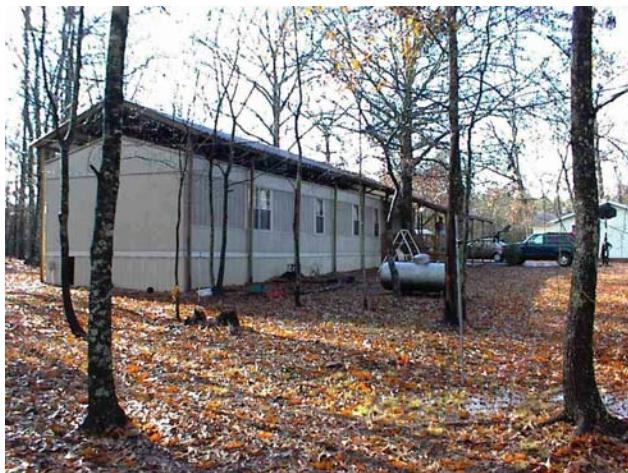


N



TS-AL

10 ft.



TS-AL single wide trailer

	2.0	1.2		0.2	0.1		0.0	0.0	-0.7		0.0	0.4
				Kitchen				Bedroom		Bath		Bedroom
	Master Bedroom					Living Room						

Bath	2.1	1.9		-1.7	-1.8	0.8		-0.1			-1.4	-1.4
------	-----	-----	--	------	------	-----	--	------	--	--	------	------

N



TS-OH

10 ft.



TS-OH single wide trailer



TSA-VA

5 ft.



TSA-VA single wide add-on

2.4	-2.1							
Bedroom		Bath		0.8	Kitchen		-0.7	-2
-2	-1.9	-0.1	-0.2	0.2			-0.6	0.2
1.8	0.4	4.4					2.9	4.9
Bedroom			Living Room					3.4
2.7	1.4	4.8					-1.3	0.0
								0.5

TSA-KY2



N

10 ft.



TSA-KY2 single wide add-on

0.55	0.75	1.05	-0.1	0.15	-0.05	0.15	0.25	0.15	0.65
		Master Bedroom		Main Entry Room		Bedroom		Bath	
0.65	-0.15		-0.1		-0.45		0.25	0.55	
-0.05	0.05	Closet	0.0	1.13	-0.1				
		Bath				0.05			
0.65	0.35	Entry	0.0						
				Kitchen		Dining Area			Living room
				0.0	0.0	-0.1	0.0	0.45	1.9

N

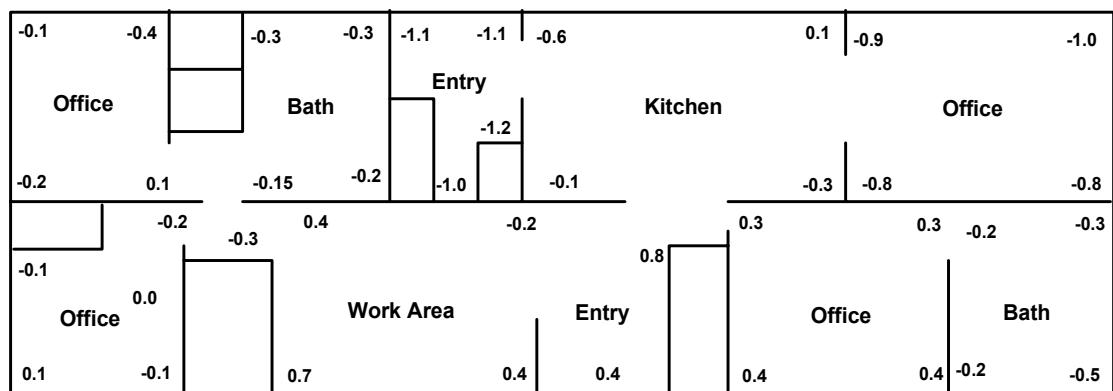


TD-WV2

10 ft.



TD-WV2 double wide trailer



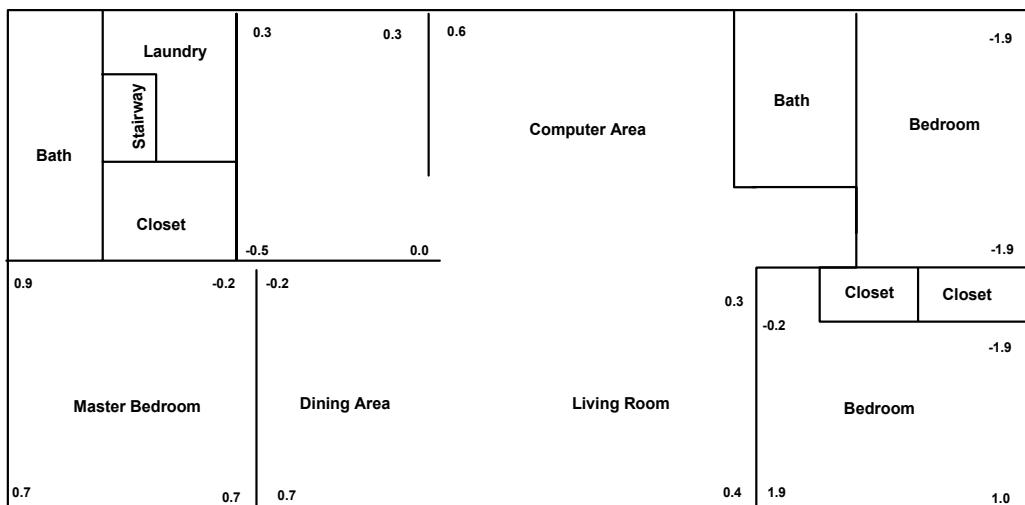
N

TD-TN

—
10 ft.



TD-TN double wide trailer



N



TD-PA

5 ft.



PD-PA double wide trailer with full basement

3.3	3.3		0.9	-1.2	0.25	1.45
Kitchen		Entry and Laundry	Bedroom		Sitting Room	
		0.5	-0.6			
		2.8	0.5			
			-0.2	-0.2		1.4
TV Area		1.0 0.5	2.0	-0.9 -1.7	0.2	1.5
		1.3 0.9			Bedroom	
		Closet	-0.5	-0.65	0.2	0.5
3.0	3.5		0.3 0.1	0.0		
-0.2						
Open area			Computer Area			
0.8		0.8	0.0	0.0		

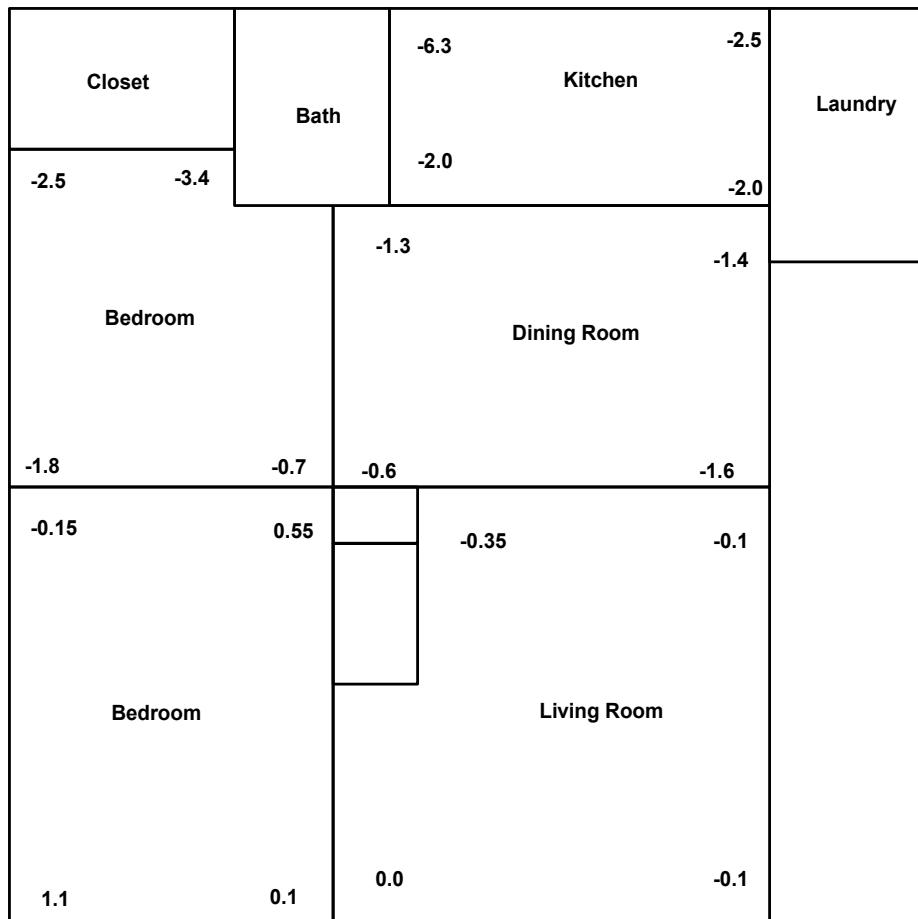
C1S-AL

5 ft.

N ↗



C1S-AL camp house

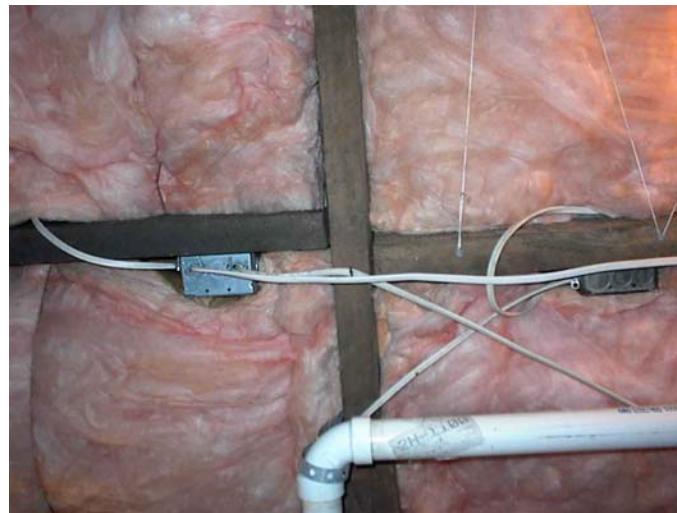


N ↗

C1S-VA
5 ft



C1S-VA camp house



C1S-VA (cont.) camp house

Front porch			
-1.2	-0.6	-0.5	0
Living Room		TV Room	
-1.7	0.1	0 0.9	-1.8
-1.6	0.4	-0.4 0.8	-3.7
Kitchen		Dining Room	
0.5	0.5	-2.2	-4.2
-1.3			

first floor

Bath
(rear of house)

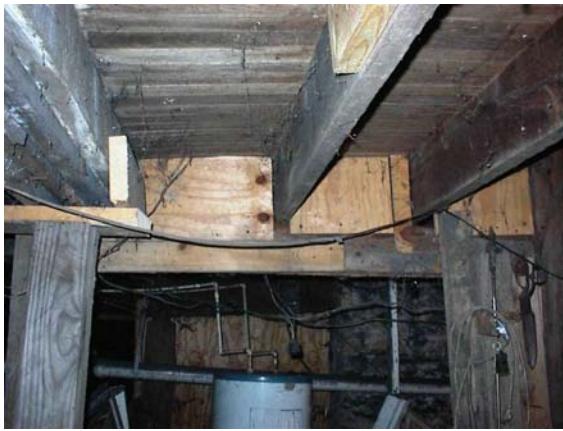


-3.6	-2.0	-1.9	-1.4
Bedroom		Bedroom	
-3.1	-0.5	-1.4	-1.6
-1.8	-0.1	0	-2.1
Bedroom		Bedroom	
-0.1	-0.3	-0.9	-1.9

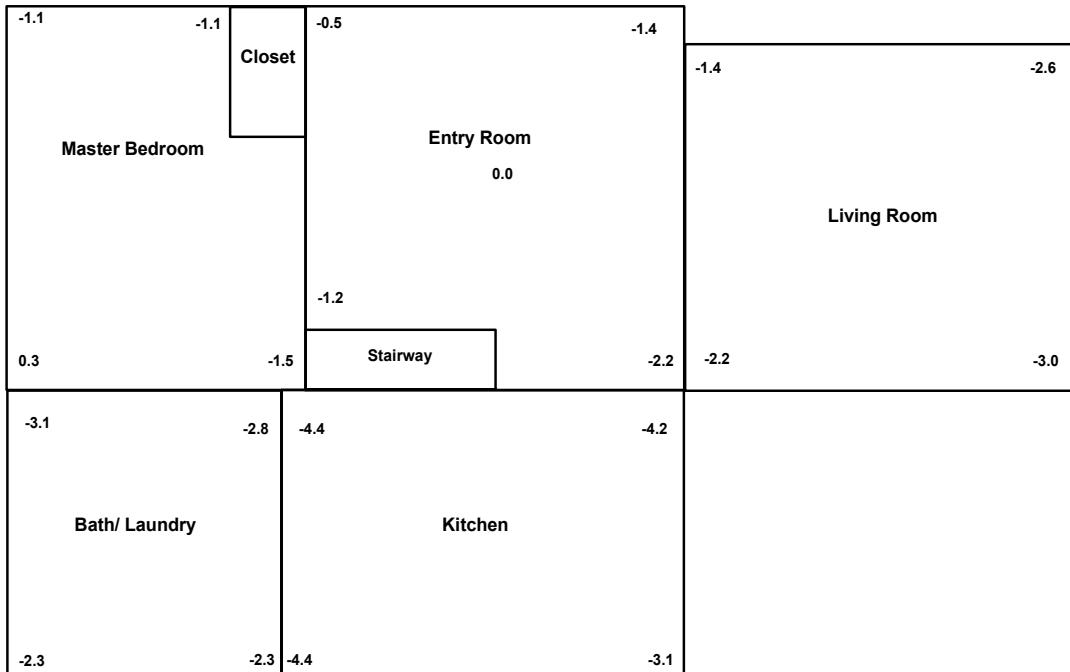
second floor

C2S-KY1a

5 ft.



C2S-KY1a Two story camp house



N



first floor

C2S-KY1b

5 ft.



N

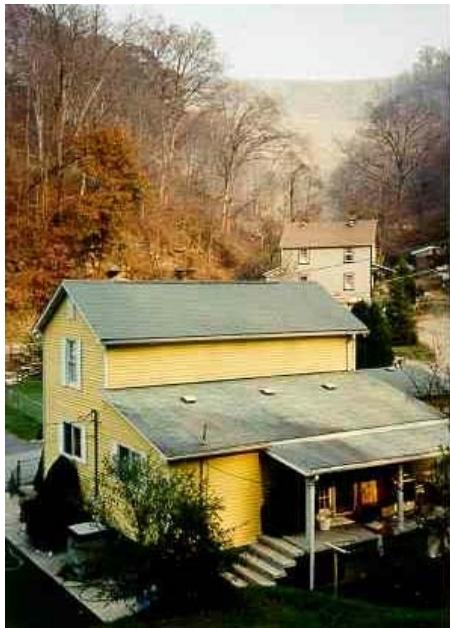


second floor

C2S-KY1b

5 ft.

C2S-KY1B Two story camp house



C2S-KY1B Two story camp house



L1S-OH

N

5 ft.



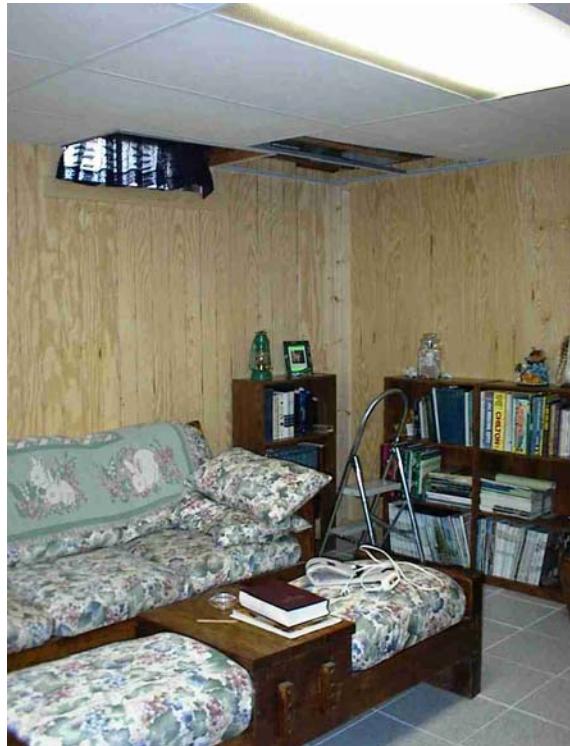
basement

L1S-OH

N

5 ft.

L1S-OH Traditional log house



L1S-OH (cont.) Traditional log house

Front Porch			
.00	2.6	-6.6	-4.75
Living room		Bedroom	
-0.9	3.3	-5.7	-1.7
0.0	1.0	-0.8	0.4
Kitchen		Bath	
-0.5	1.1	-1.4	-0.3



N

L1S-WV1

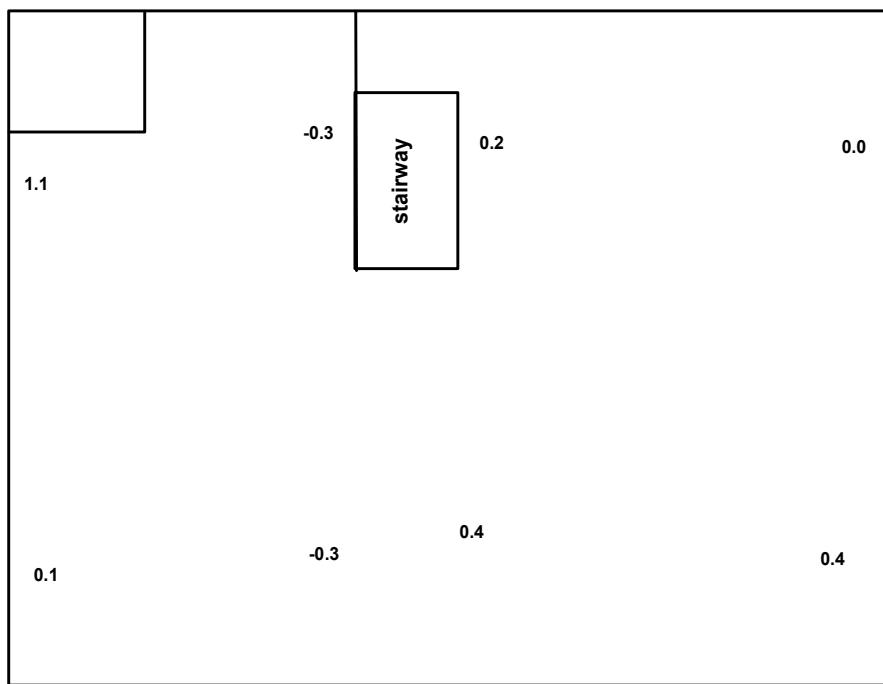
—
5 ft.



LS1-WV1 Historic log structure



N **first floor** L2S-TN
10 ft.

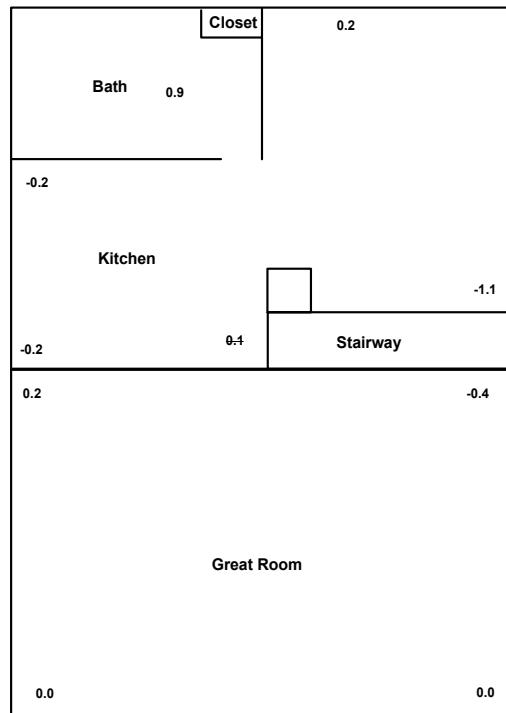


N **second floor** L2S-TN
10 ft.

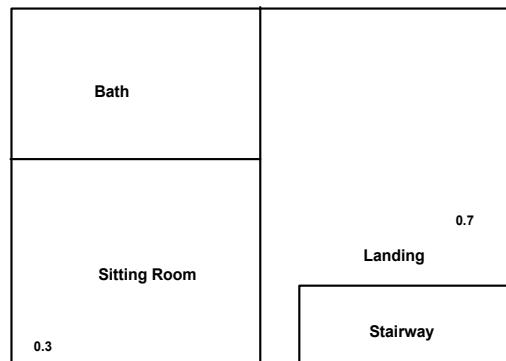
L2S-TN Two-story log house



L2S-TN (cont.) Two-story log house



first floor



second floor

N

L2S-0H

5 ft.



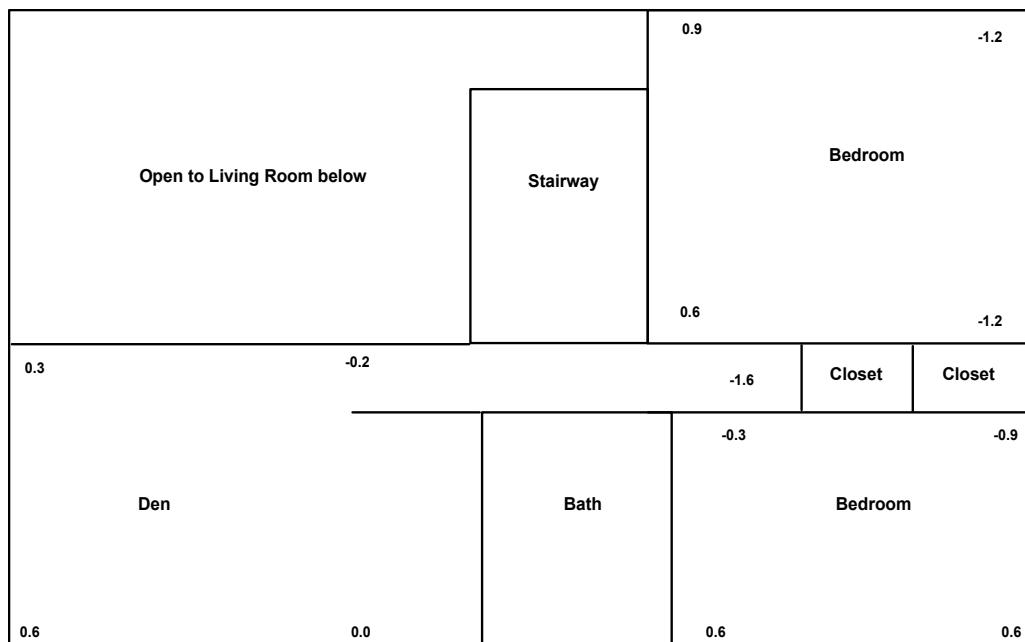
L2S-OH Two-story log house



N

L2S-WV2

5 ft.



N

second floor

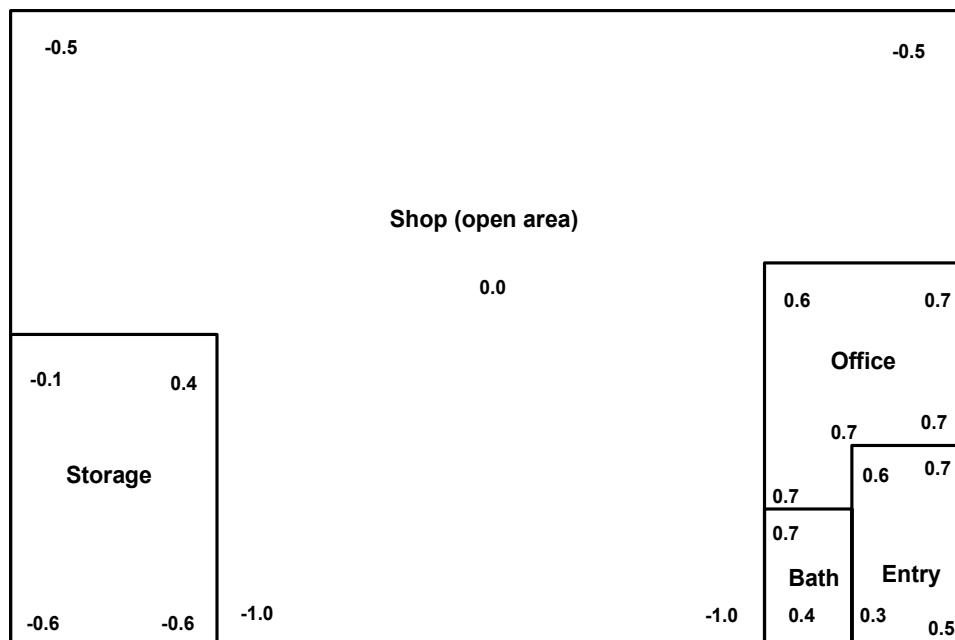
L2S-WV2

5 ft.

L2S-WV2 Two-story log house



L2S-WV2 Two-story log house



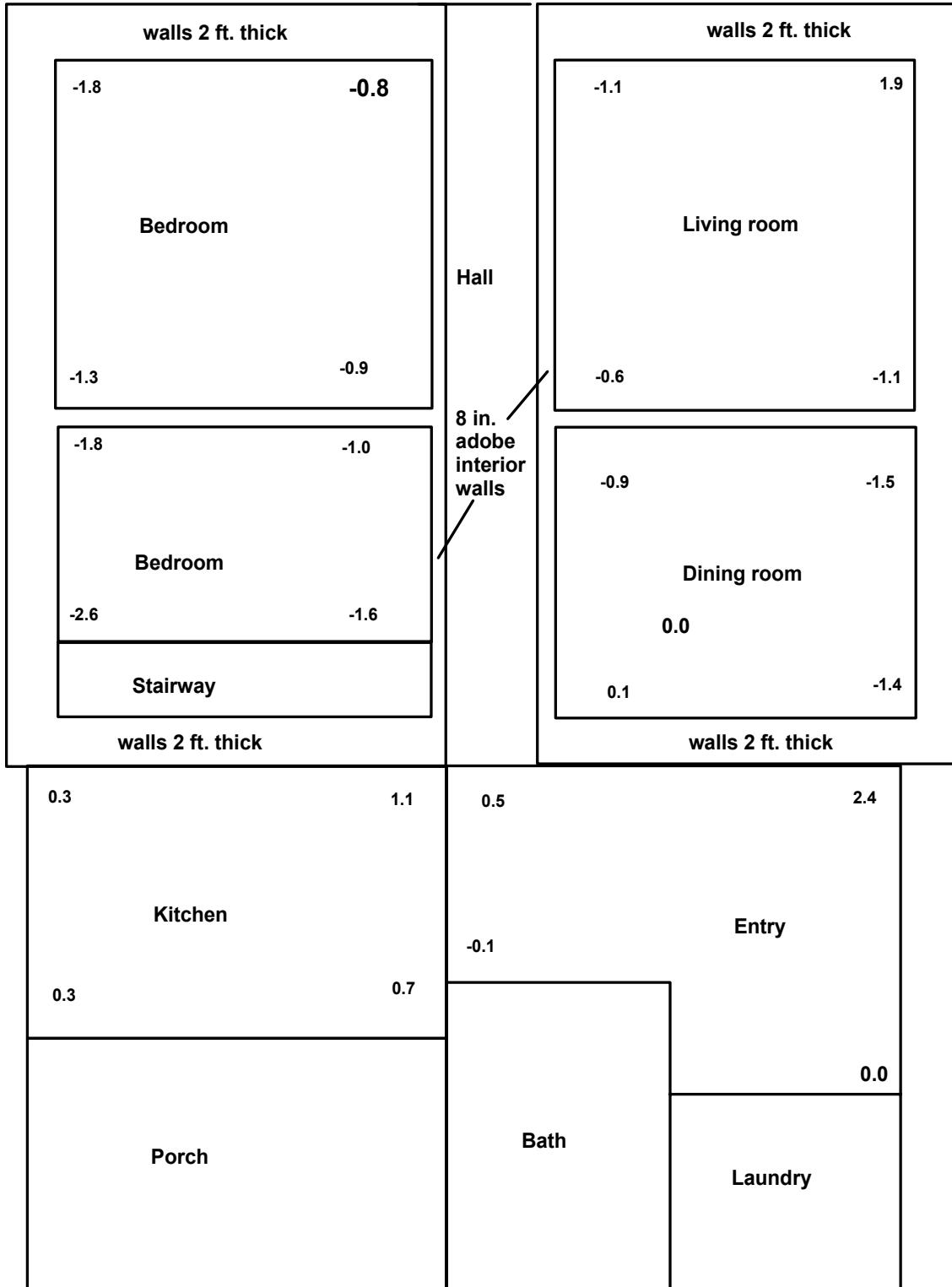
N

E1S-NMa

10 ft.



E1S-NMA Concrete block structure



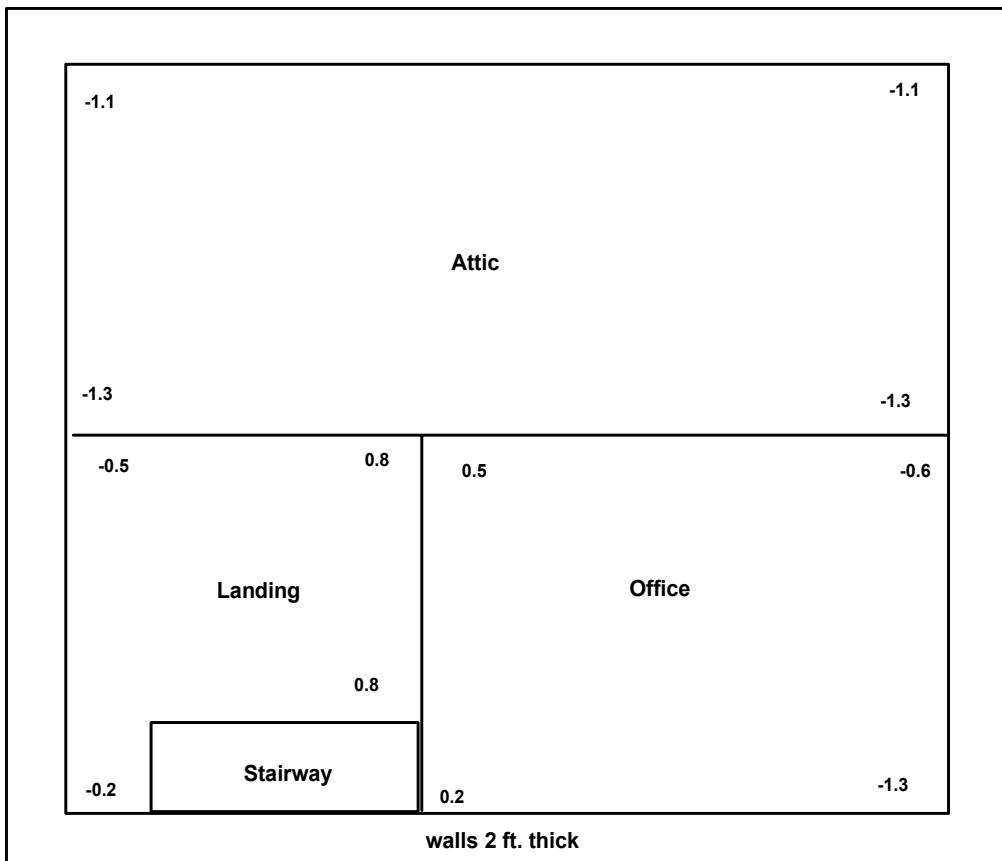
first floor

E2S-NM

N

5 ft.

E2S-NM Two-story stone house



second floor

E2S-NM

5 ft.



E2S-NM (cont.) Two-story stone house

Garage	-0.5	-1.1	-1.2	-0.9		Closet	Cold/dry Storage	-0.7	-0.8
	Bedroom		Office		Entry			Kitchen	
	-0.1	-1.4	-1.6	-2.0			Laundry	-0.5	-0.9
0.4	0.0					1.1			-0.1
Den	-0.1	-1.1			Closet	Bath		0.0	
	Master Bedroom						Dining Area/ Living Room		
-0.2	0.1	-0.4	-1.1		Master	Bath	-0.9		-0.2
							Patio		

N
↑

E1S-NMb
10 ft.



E1S-NMB Traditional adobe house

2.2	1.1	1.5	2.0	0.8	0.3
		Bedroom		Bedroom	
		1.3	1.6	1.0	0.3
Living Room	0.0	0.4	1.6	Hall	-1.2
		Kitchen		0.6	Bath
				Storage	-1.2
-1.1	-1.5	-1.3	0.5	Stairway	



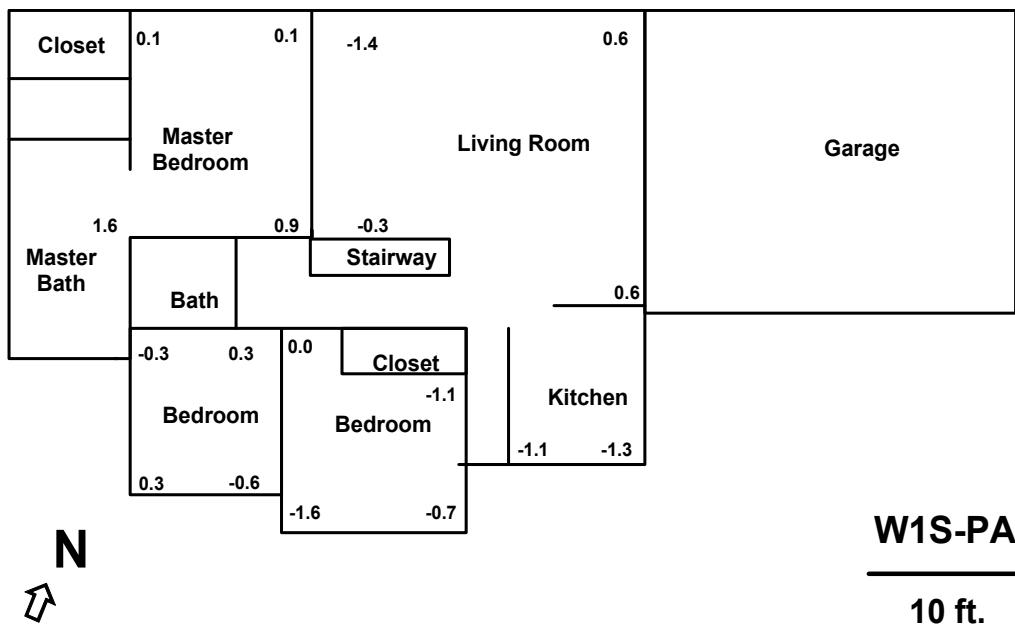
N

W1S-IN

5 ft.



W1S-IN Wood-frame house

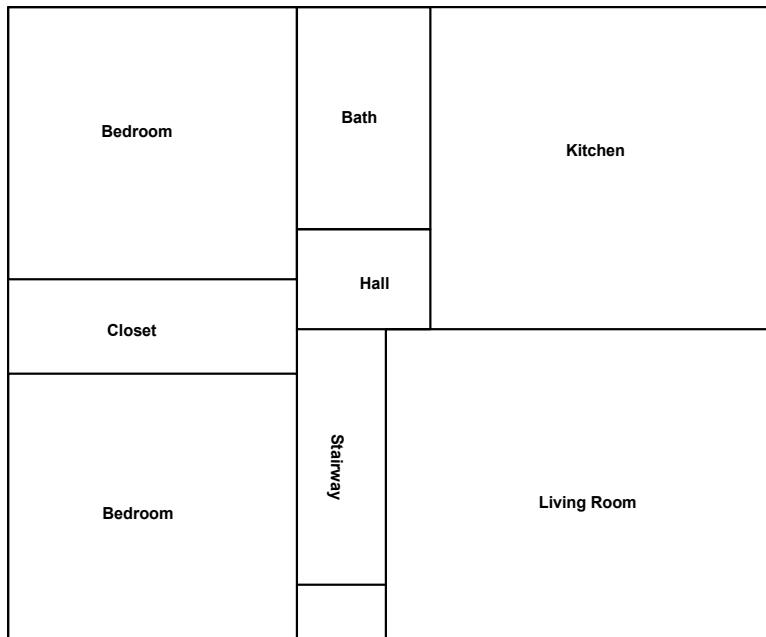


W1S-PA

10 ft.



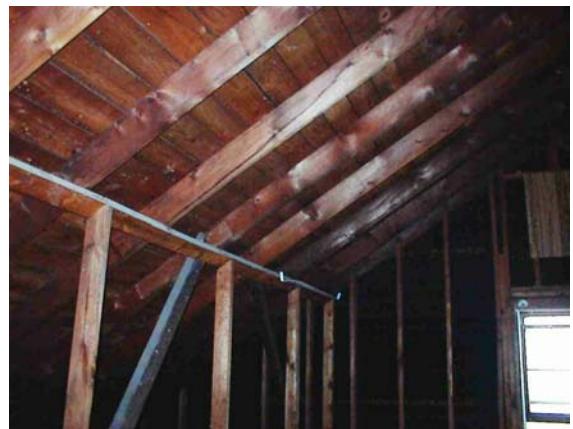
W1S-PA Wood-frame house under construction



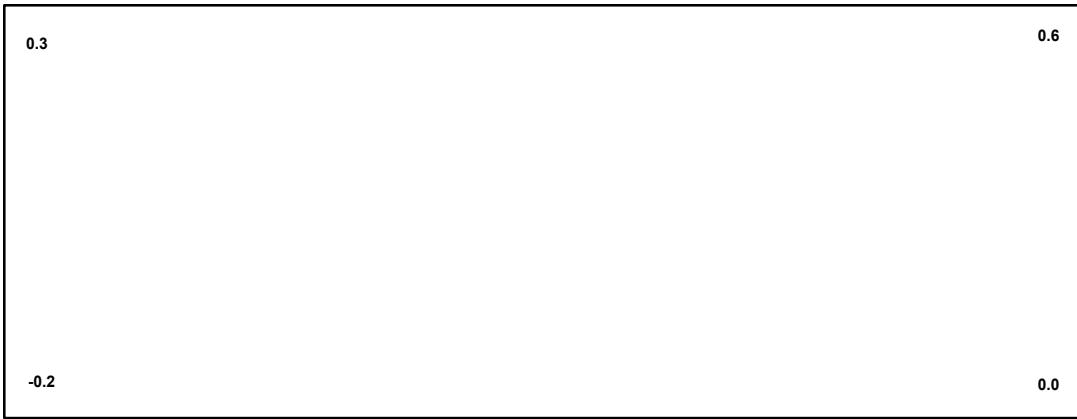
W2S-IN

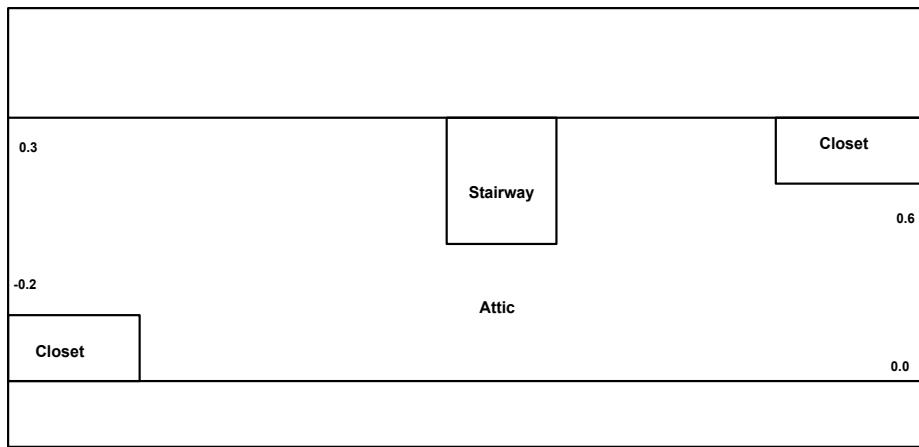
N ←

5 ft.



W2S-IN Wood-frame house


N
first floor
W3S-WV1
5 ft.

N
second floor
W3S-WV1
5 ft.

N
third floor
W3S-VW1
5 ft.

W3S-WV1 Three-story cantilever house

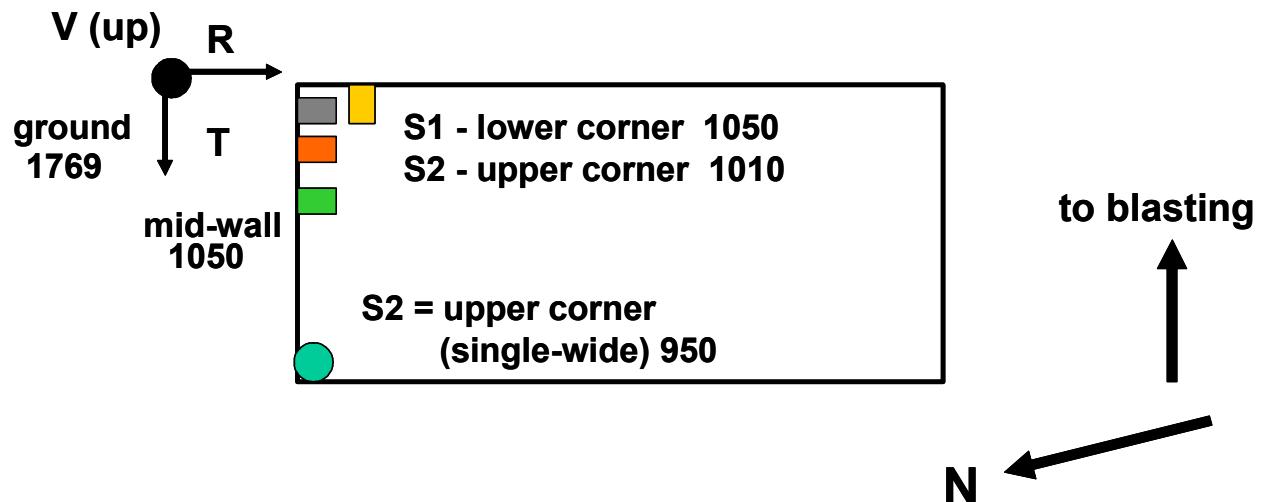


W3S-WV1 (cont.) Three-story cantilever house

APPENDIX II
Instrumentation Locations

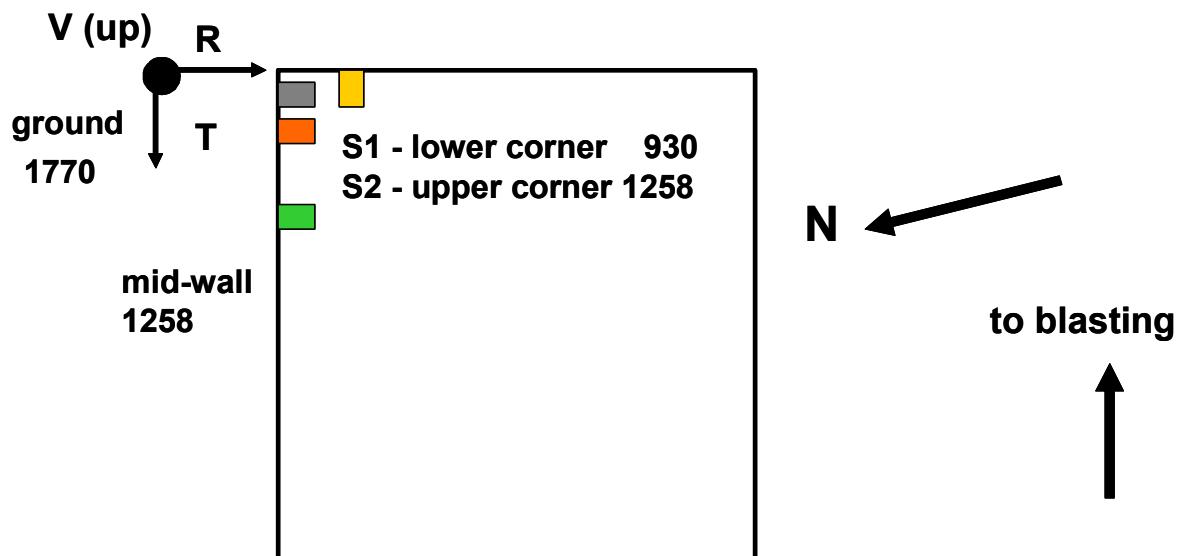
- █ Radial
- █ Transverse
- █ Vertical
- █ Mid-wall (R)

TSA-VA
single-wide and
wood-frame add-on



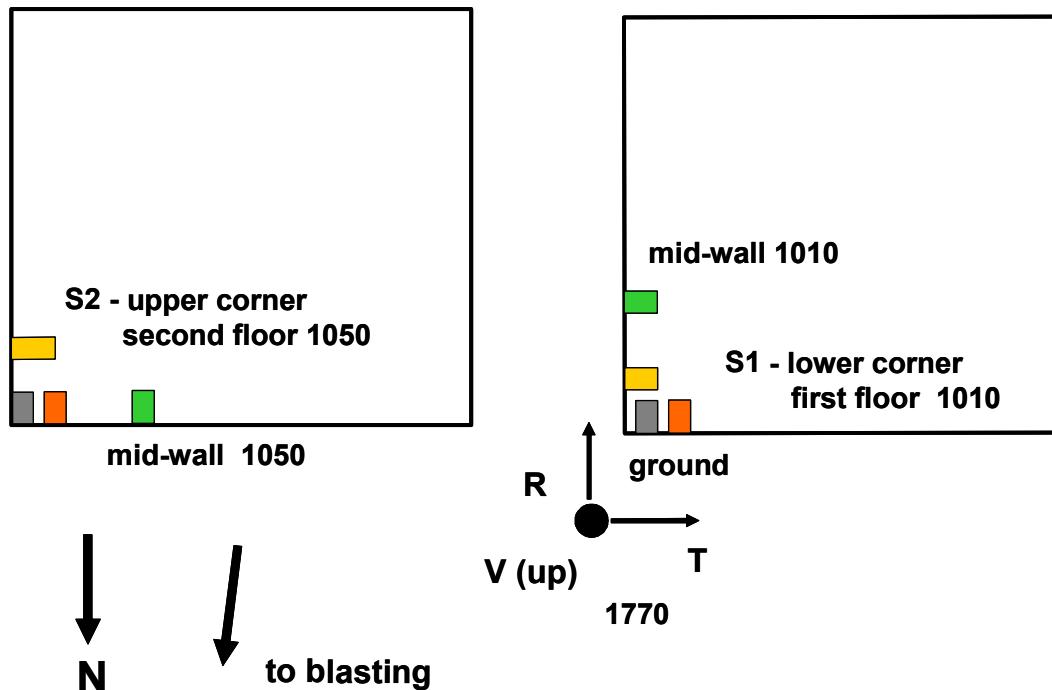
- █ Radial
- █ Transverse
- █ Vertical
- █ Mid-wall (R)

C1S-VA
single-story wood-post
camp house



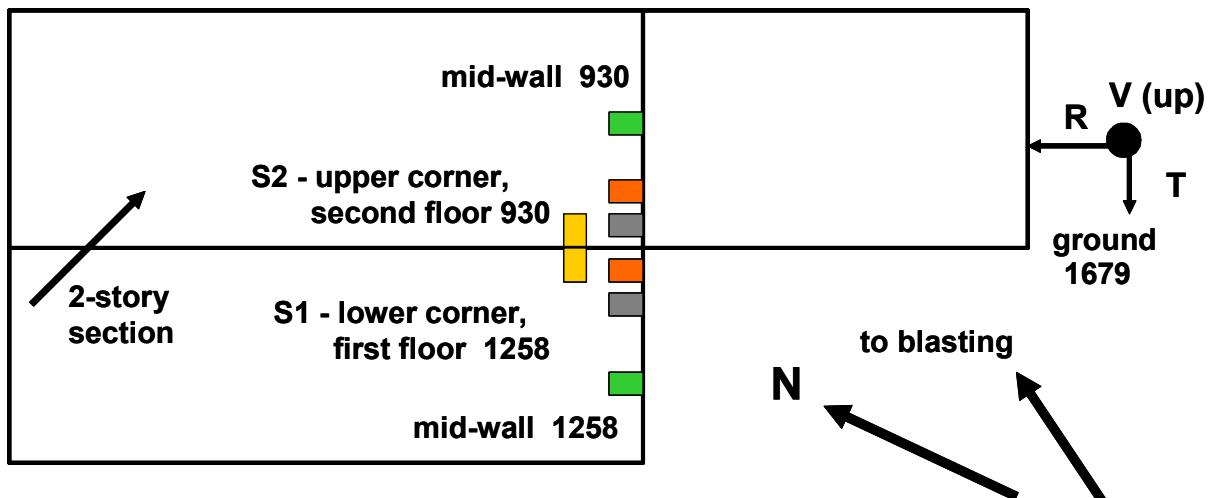
Radial
 Transverse
 Vertical
 Mid-wall (R or T)

C2S-KY1A
2-story, wood post camp house



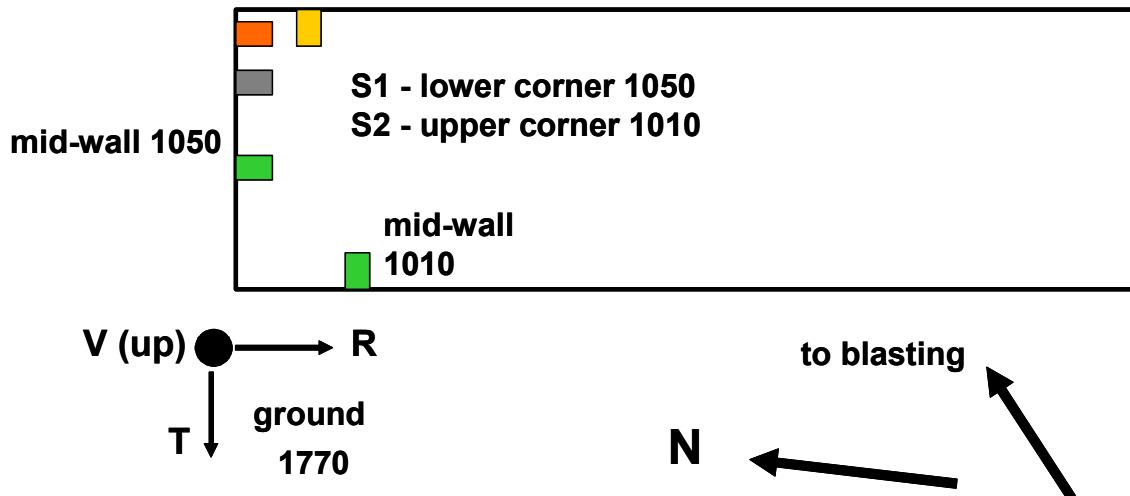
Radial
 Transverse
 Vertical
 Mid-wall (R)

C2S-KY1B
2-story, wood frame wood-post and CMU support



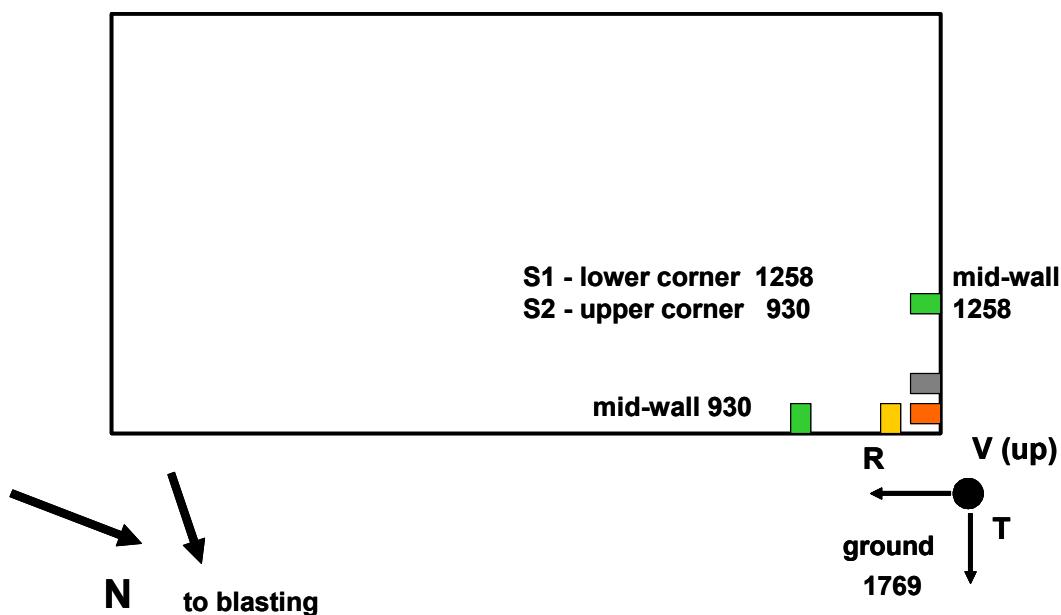
- █ Radial
- █ Transverse
- █ Vertical
- █ Mid-wall (R or T)

TS-KY2
single-wide,
CMU support



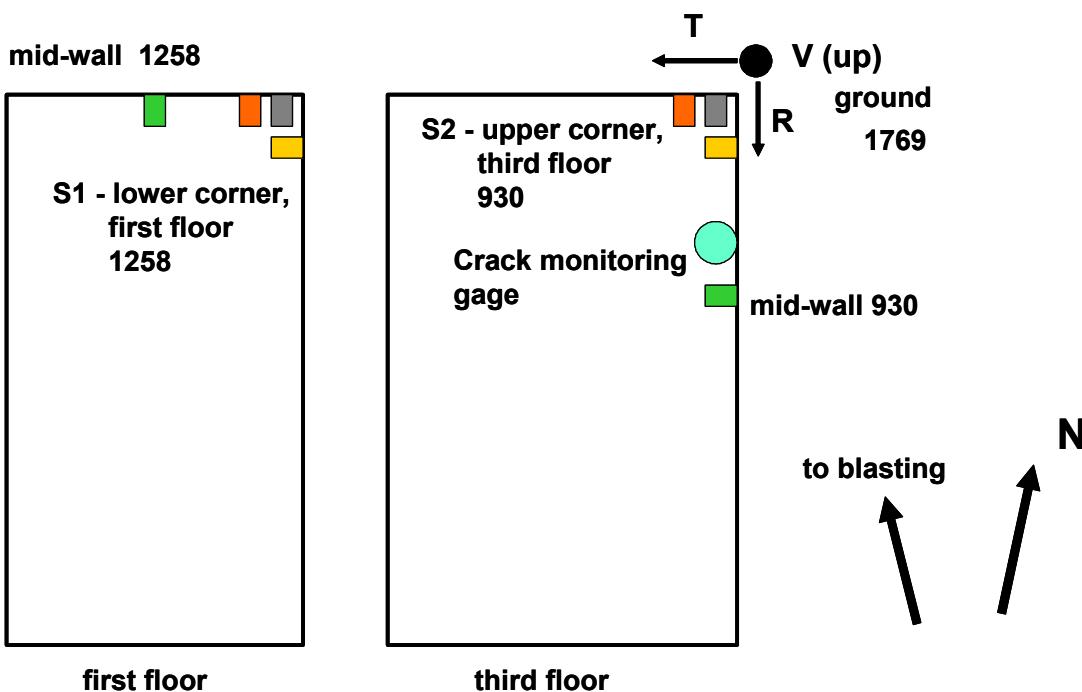
- █ Radial
- █ Transverse
- █ Vertical
- █ Mid-wall (R or T)

TSA-KY2
single-wide, add-on
wood frame, CMU support



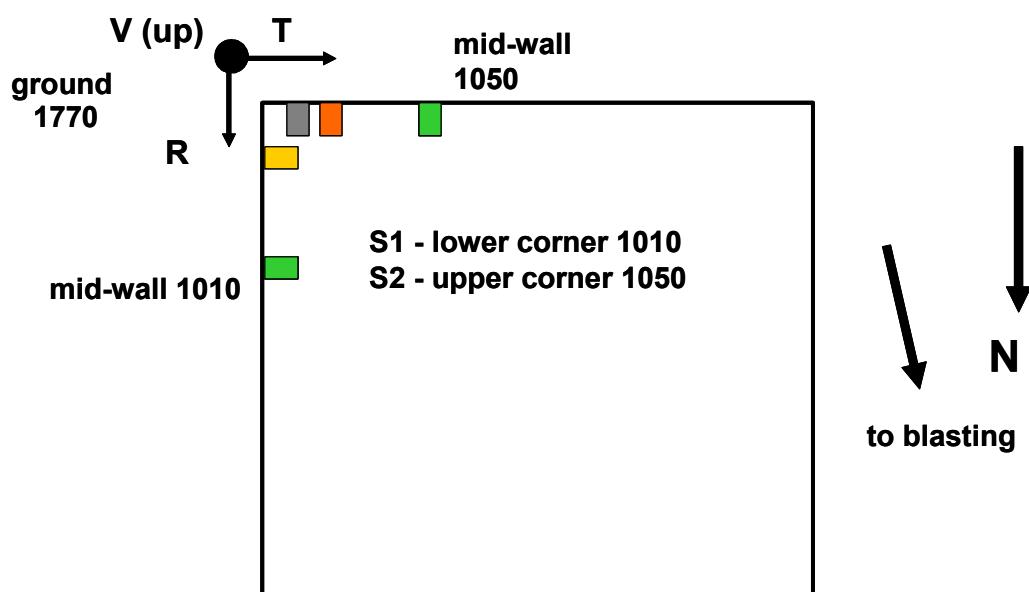
- █ Radial
- █ Transverse
- █ Vertical
- █ Mid-wall (R or T)

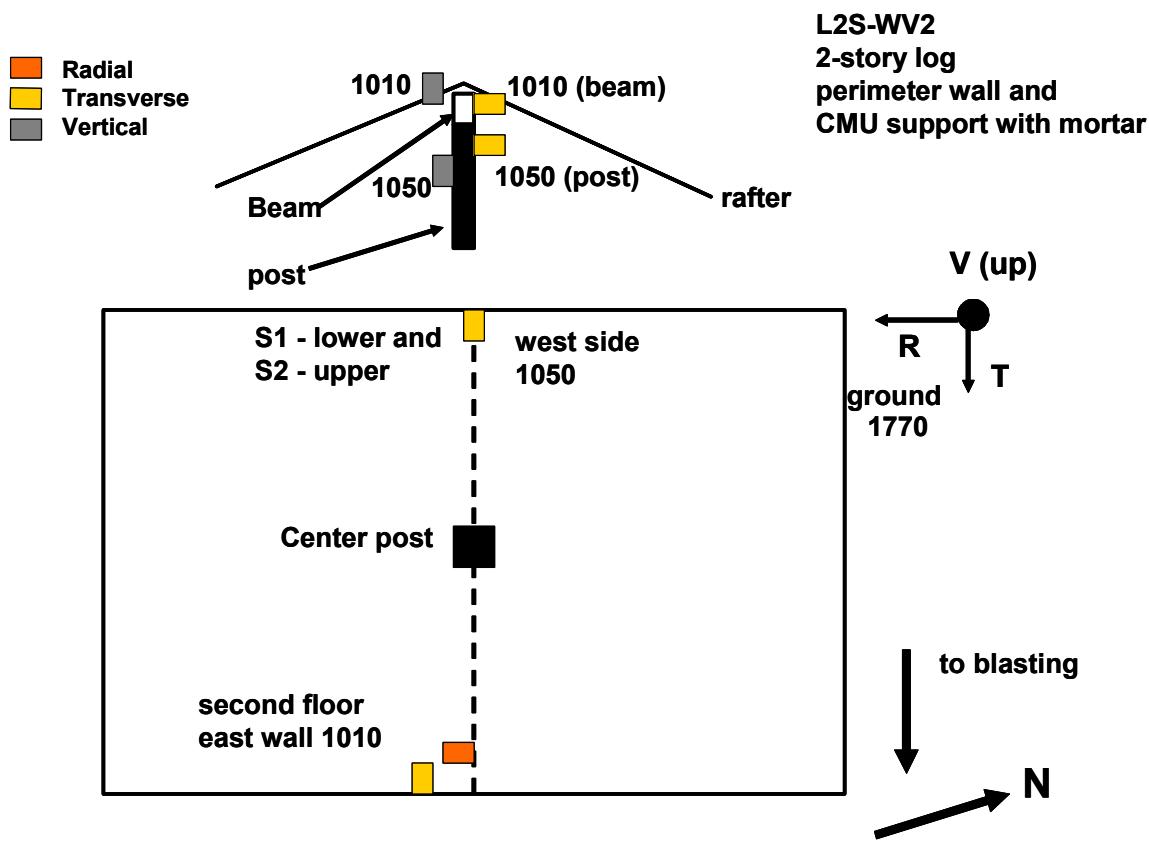
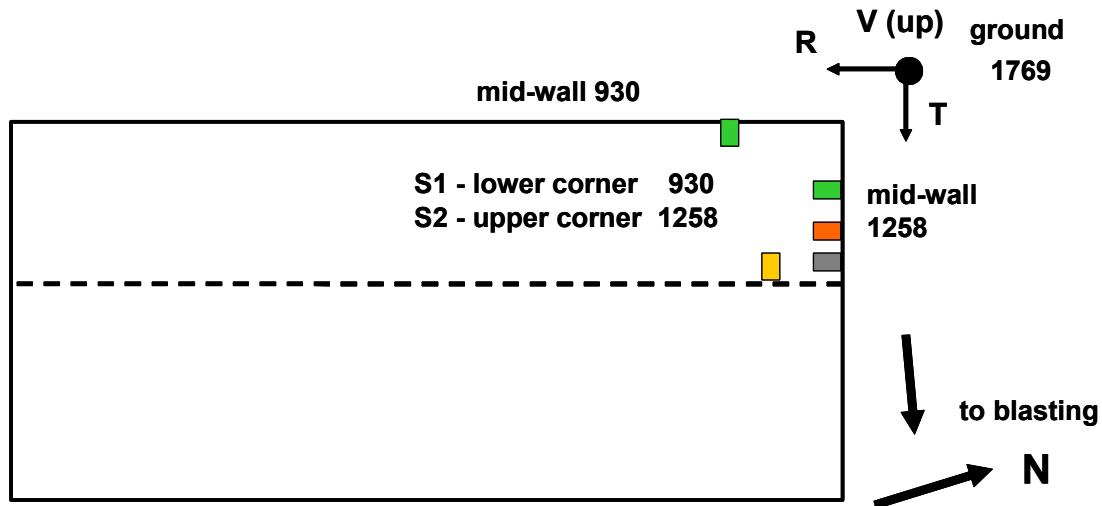
W3S-WV1
3-story, slab floor, wood frame, upper floors cantilevered

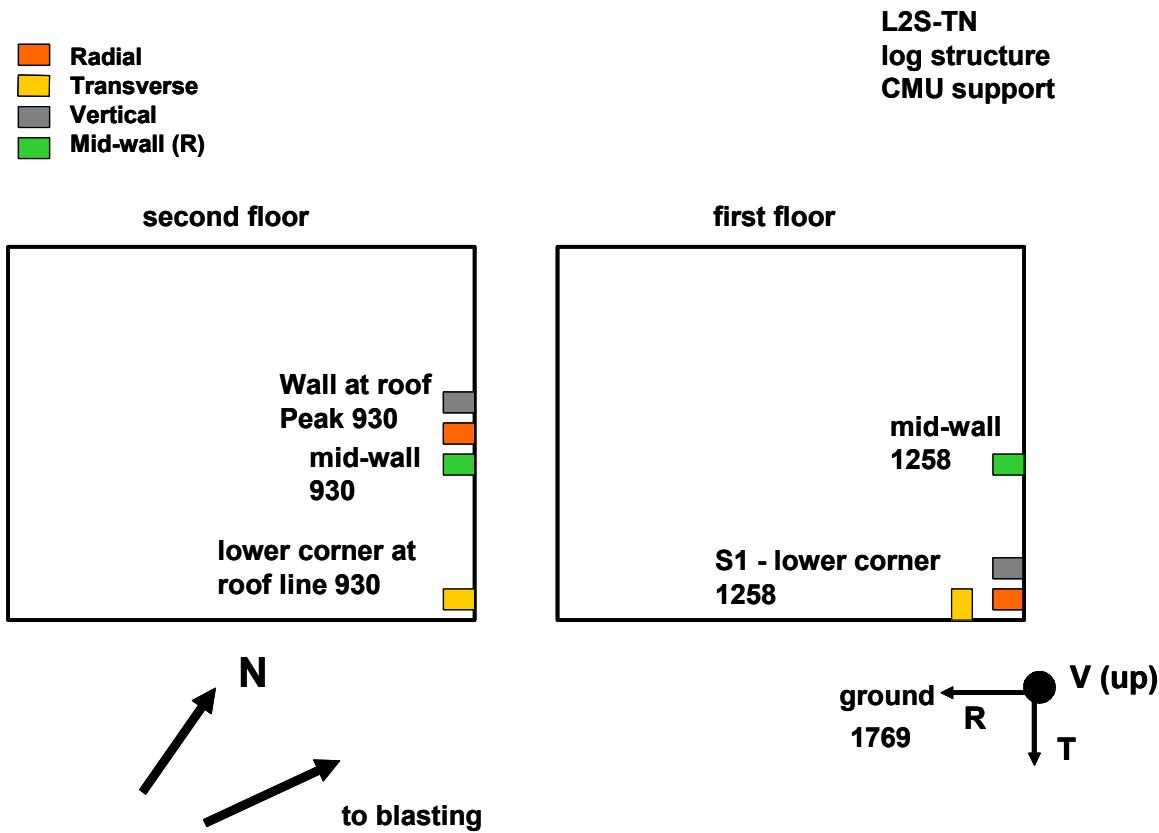
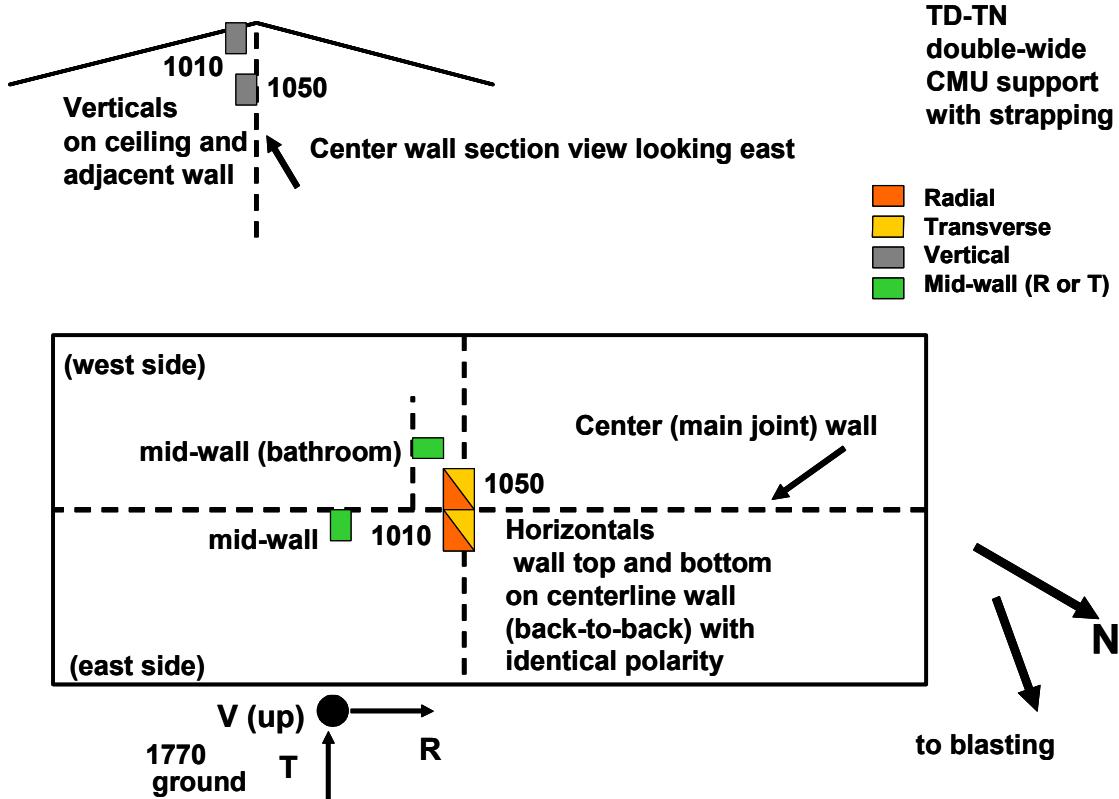


- █ Radial
- █ Transverse
- █ Vertical
- █ Mid-wall (R or T)

L1S-WV1
one-story log cabin wood post

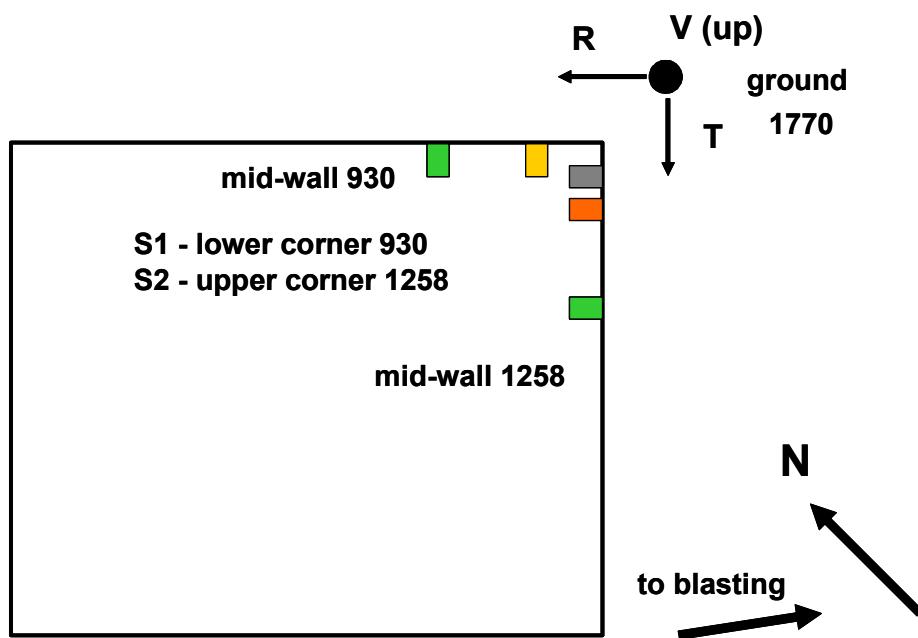






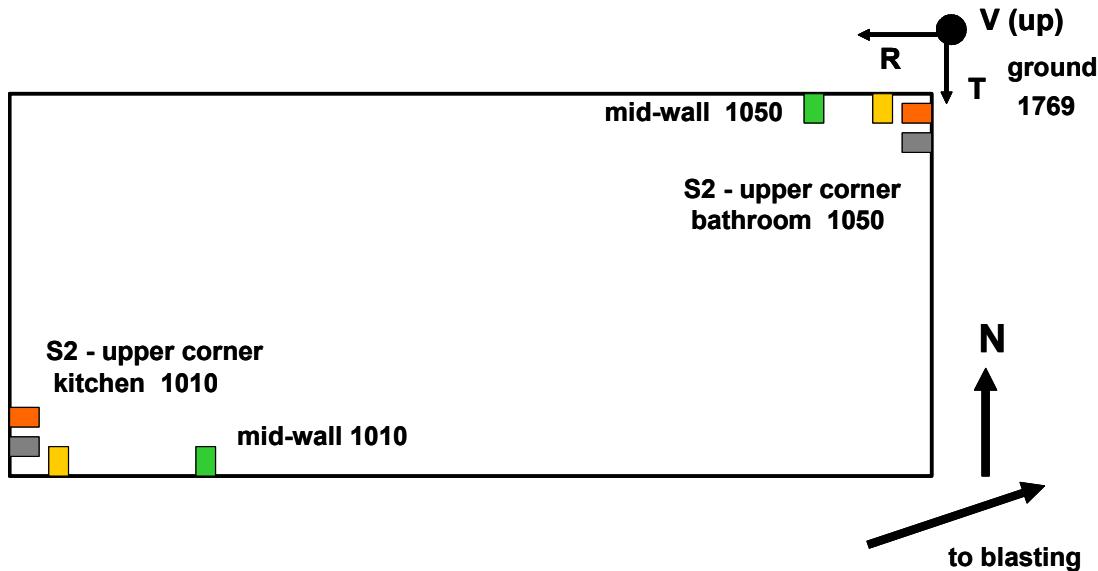
Radial
 Transverse
 Vertical
 Mid-wall (R or T)

C1S-AL
 camp house
 CMU interior and
 exterior; slab add-on



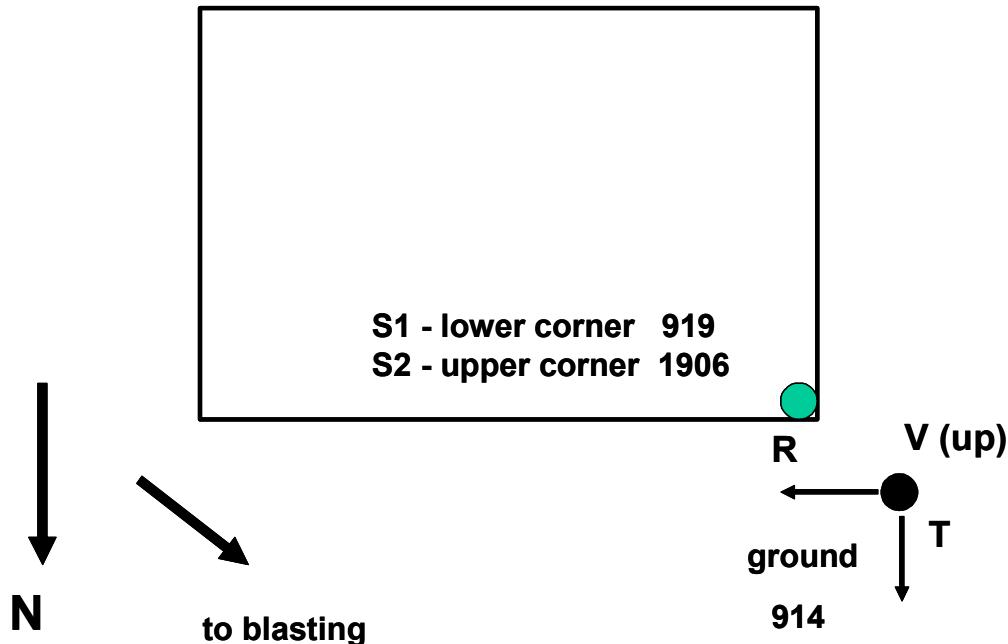
Radial
 Transverse
 Vertical
 Mid-wall (T)

TS-AL
 single-wide
 CMU support with
 exterior straps



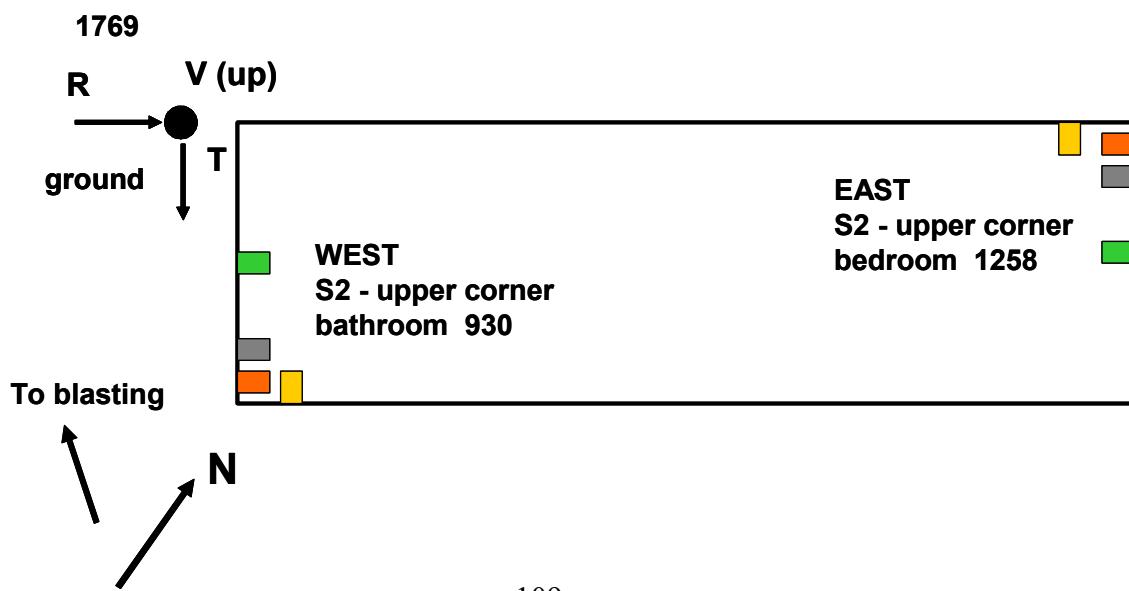
● 3-component transducer

L1S-OH
log structure,
poured concrete
basement floor/walls

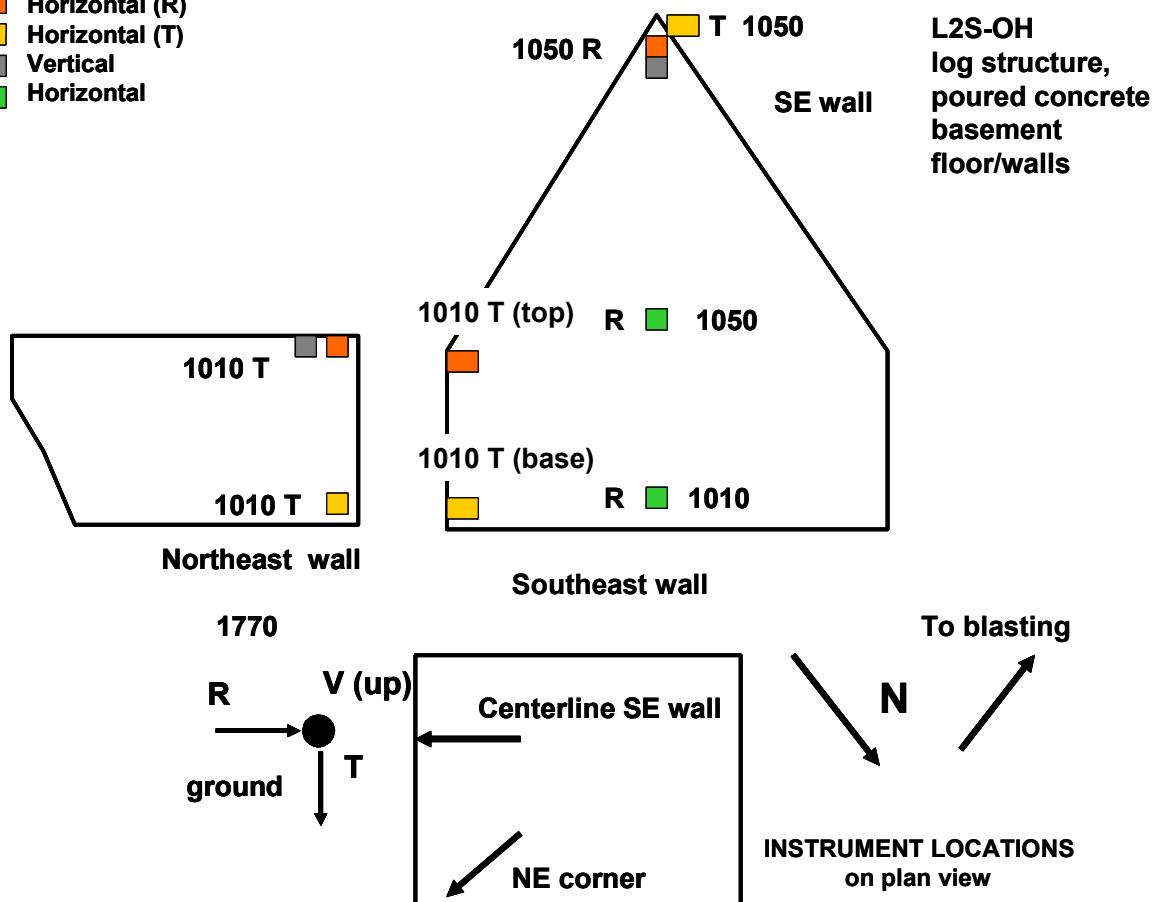


- Radial
- Transverse
- Vertical
- Mid-wall (R)

TS-OH
single-wide trailer
CMU piers with
exterior straps

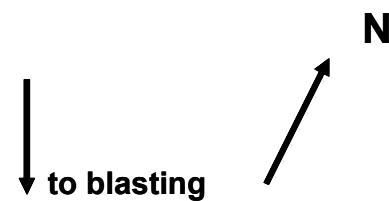
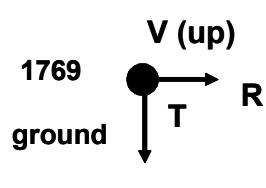
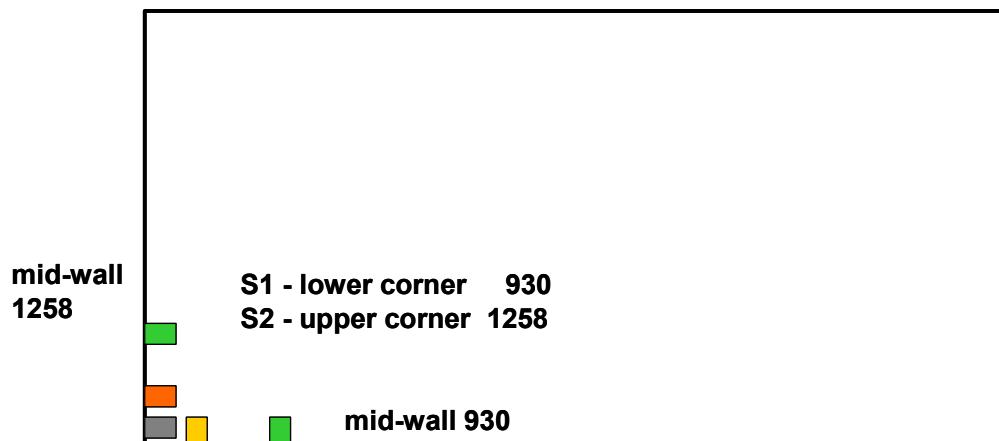


 Horizontal (R)
 Horizontal (T)
 Vertical
 Horizontal



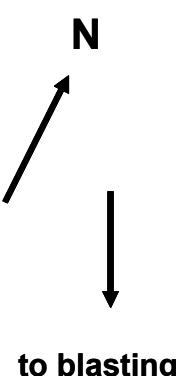
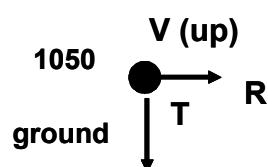
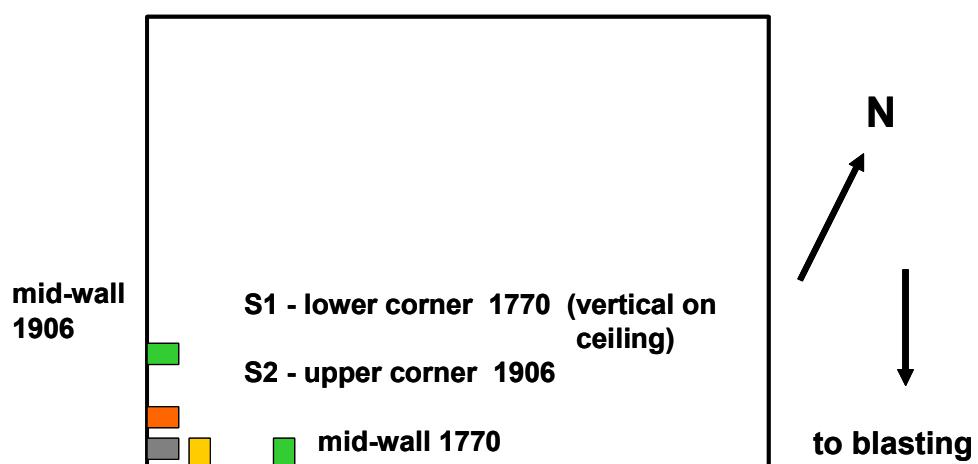
 Radial
 Transverse
 Vertical
 Mid-wall (R or T)

TD-PA
double-wide
concrete block basement



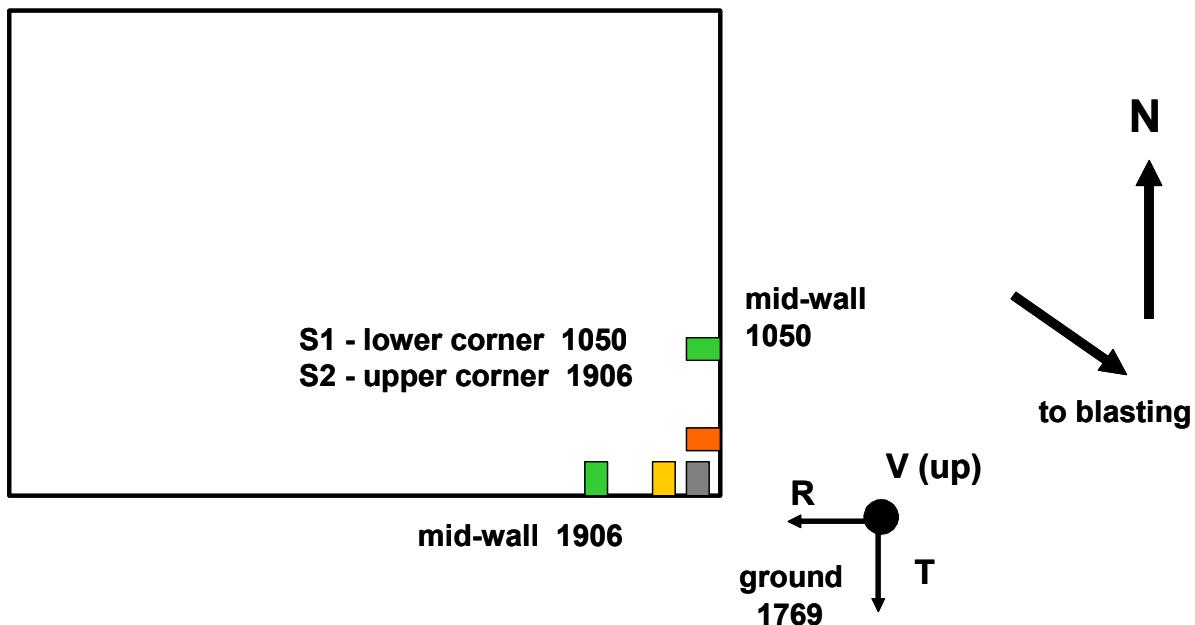
 Radial
 Transverse
 Vertical
 Mid-wall (R or T)

W1S-PA
Wood-frame
Concrete block basement



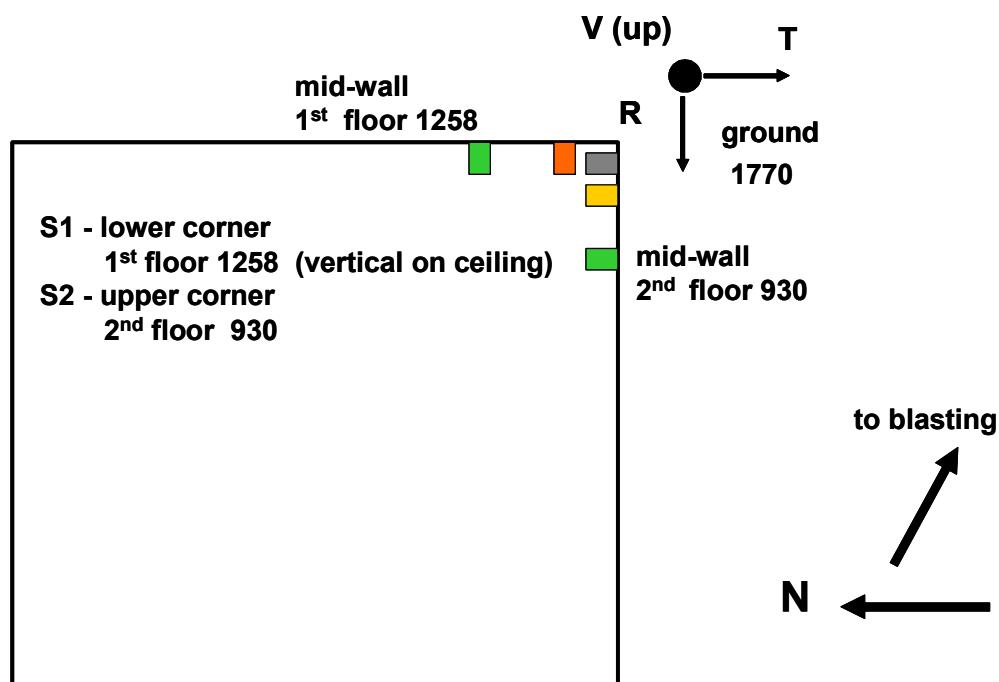
- █ Radial
- █ Transverse
- Vertical
- Mid-wall (R or T)

E1S-NMB
Adobe



- █ Radial
- █ Transverse
- Vertical
- Mid-wall (R or T)

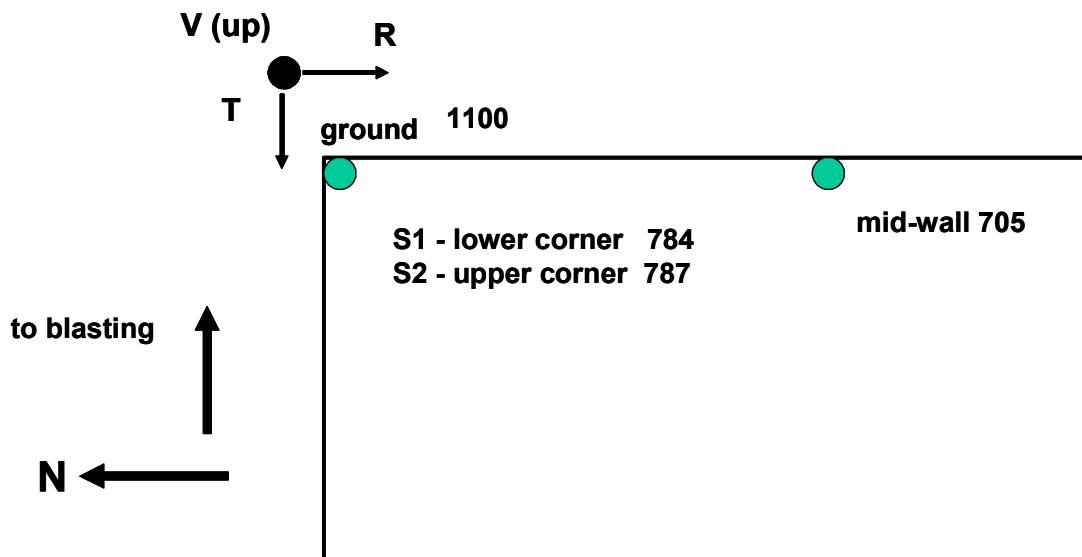
E2S-NM
Two-story stone
adobe interior
walls on flagstone
wall footings





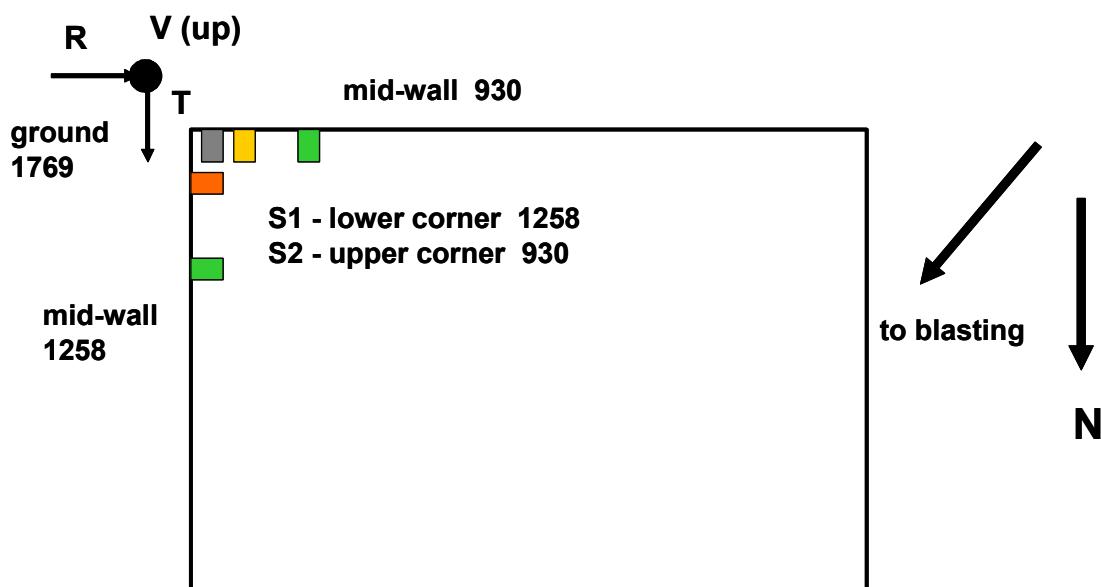
3-component transducer

E1S-NMA
Concrete Block
on 6 in. slab



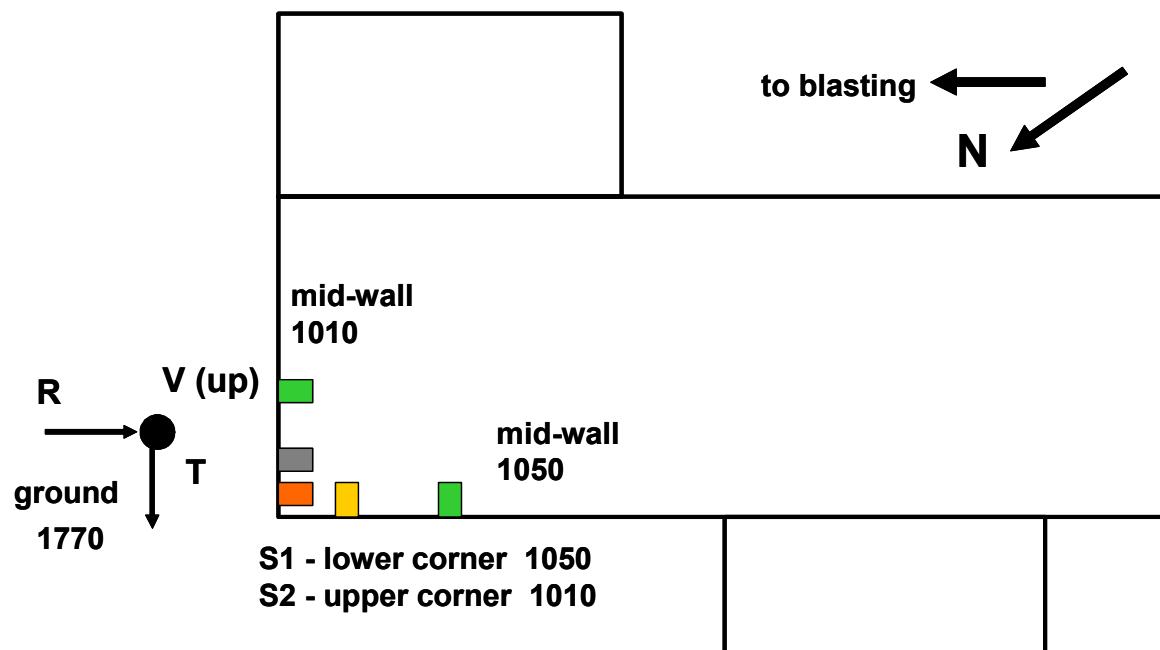
- Radial
- Transverse
- Vertical
- Mid-wall (R or T)

W1S-IN
Wood-frame
Concrete block basement



 Radial
 Transverse
 Vertical
 Mid-wall (R or T)

TS-IN
Single-wide
trailer



 Radial
 Transverse
 Vertical
 Mid-wall (R or T)

W2S-IN
Wood frame
Concrete block
basement

