

FLOOR PLAN
NAPOLITANO ADDITION
6 SAMUEL RD. PORTLAND, ME

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Revisions:
5/13/14 EXPANDED GARAGE, MOVED SCREEN PORCH

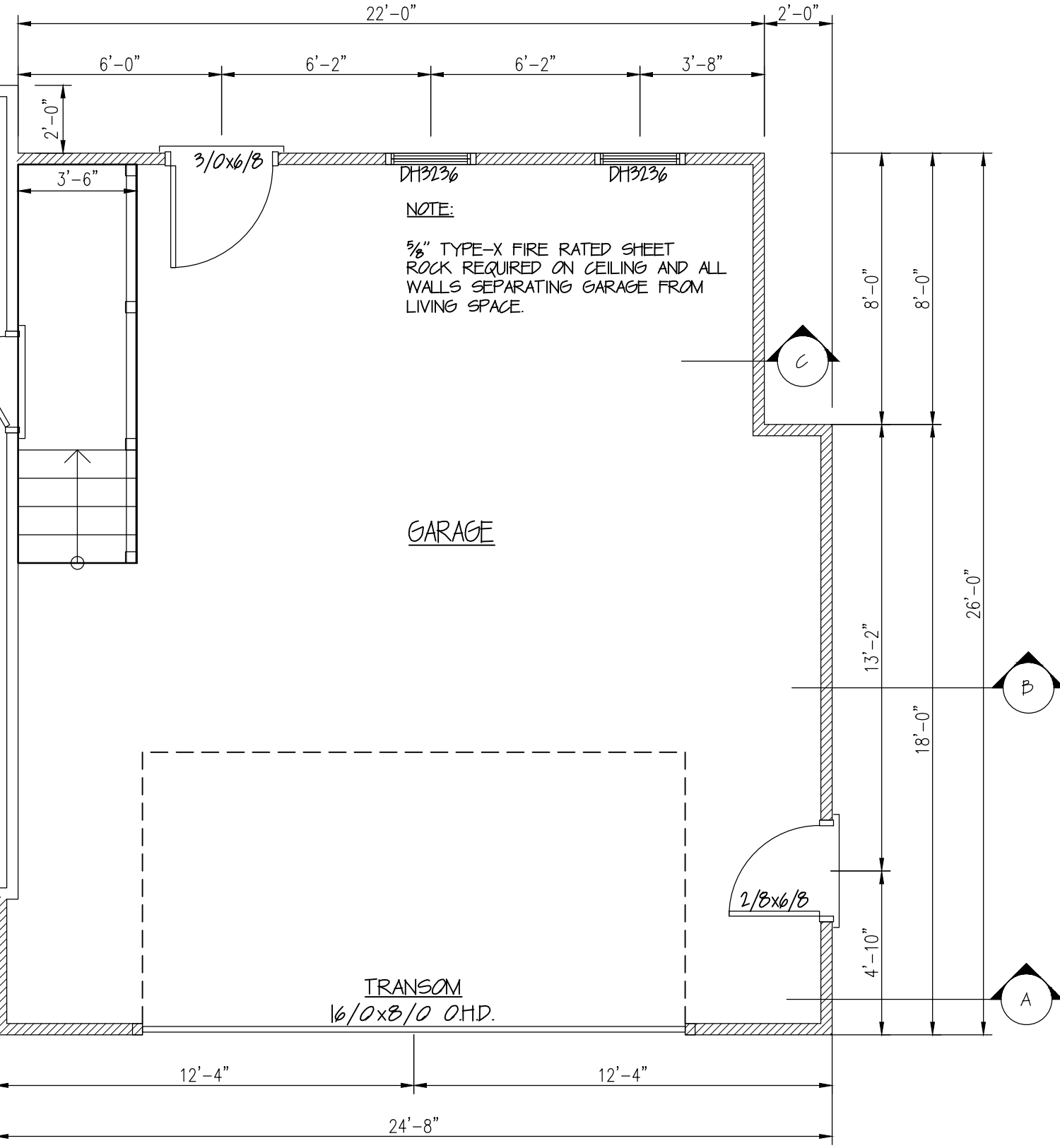
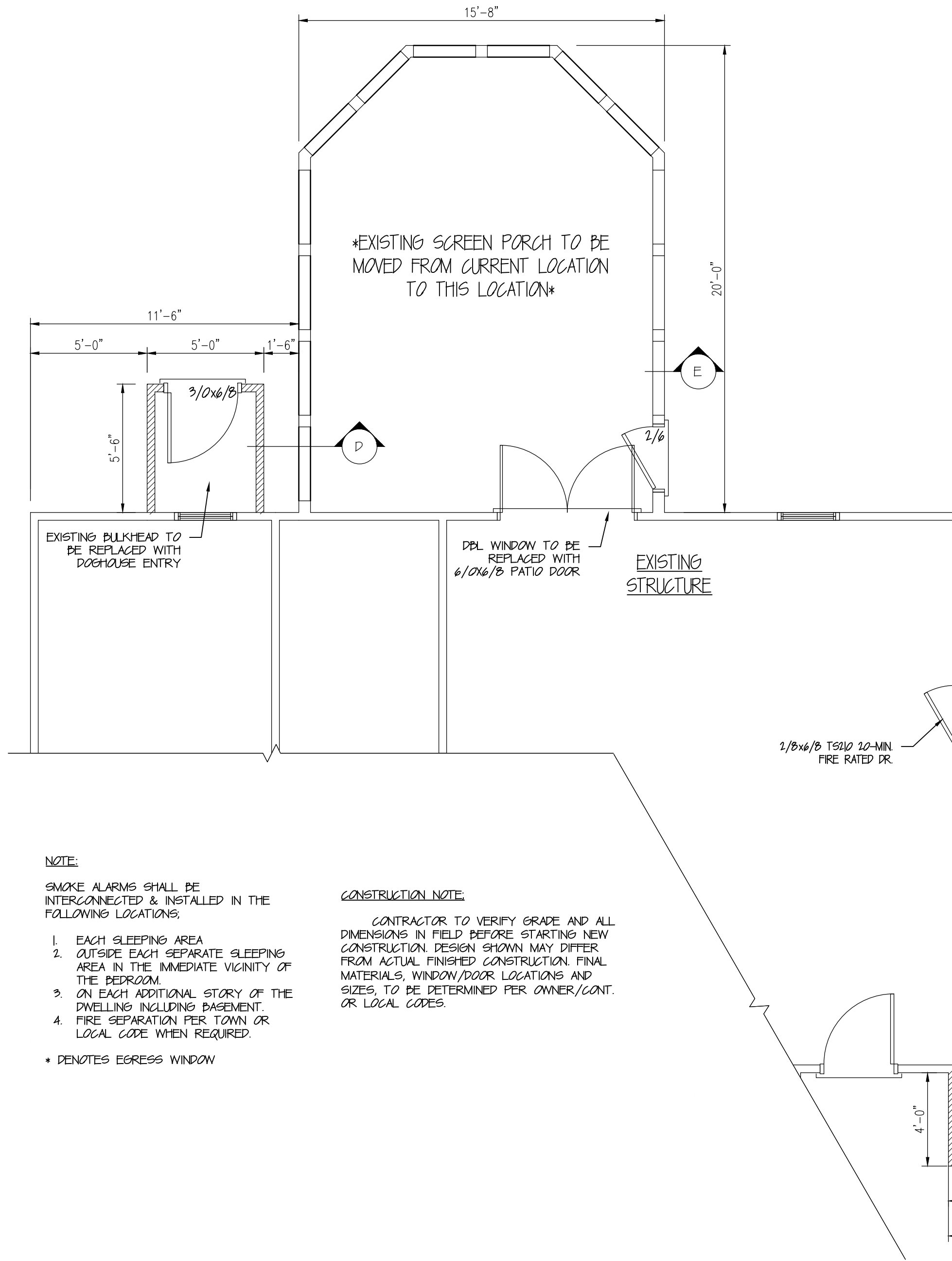
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TABLE R502.5(1)
GIRDER SPANS AND HEADER SPANS FOR EXTERIOR BEARING WALLS
(Maximum spans for Douglas fir-larch, hem-fir, southern pine and spruce-pine-fir and required number of jack studs)

GIRDERS AND HEADERS SUPPORTING	SIZE	GROUND SNOW LOAD (psf)					
		50					
		Building Width (feet)					
20		28		36			
Span	NJ ^d	Span	NJ ^d	Span	NJ ^d		
Roof and ceiling	2-2x4	3-2	1	2-9	1	2-6	1
	2-2x6	4-8	1	4-1	1	3-8	2
	2-2x8	5-11	2	5-2	2	4-7	2
	2-2x10	7-3	2	6-3	2	5-7	2
	2-2x12	8-5	2	7-3	2	6-6	2
	3-2x8	7-5	1	6-5	2	5-9	2
	3-2x10	9-1	2	7-10	2	7-0	2
	3-2x12	10-7	2	9-2	2	8-2	2
	4-2x8	8-4	1	7-5	1	6-8	1
	4-2x10	10-6	1	9-1	2	8-2	2
	4-2x12	12-2	2	10-7	2	9-5	2
	Roof, ceiling and over center-bearing floor	2-2x4	2-9	1	2-5	1	2-2
2-2x6		4-1	1	3-7	2	3-3	2
2-2x8		5-2	2	4-6	2	4-1	2
2-2x10		6-4	2	5-6	2	5-0	2
2-2x12		7-4	2	6-5	2	5-9	3
3-2x8		6-5	2	5-8	2	5-1	2
3-2x10		7-11	2	6-11	2	6-3	2
3-2x12		9-2	2	8-0	2	7-3	2
4-2x8		7-5	1	6-6	1	5-11	2
4-2x10		9-7	2	8-0	2	7-2	2
4-2x12		10-7	2	9-3	2	8-4	2
Roof, ceiling and one clear span floor		2-2x4	2-7	1	2-3	1	2-0
	2-2x6	3-10	2	3-4	2	3-0	2
	2-2x8	4-10	2	4-2	2	3-9	2
	2-2x10	5-11	2	5-1	2	4-7	3
	2-2x12	6-10	2	5-11	3	5-4	3
	3-2x8	6-1	2	5-3	2	4-8	2
	3-2x10	7-5	2	6-5	2	5-9	2
	3-2x12	8-7	2	7-5	2	6-8	2
	4-2x8	7-0	1	6-1	2	5-5	2
	4-2x10	8-7	2	7-5	2	6-7	2
	4-2x12	9-11	2	8-7	2	7-8	2

For SI: 1 inch=25.4mm, 1 pound per square foot=0.0479kN/m²

- Spans are given in feet and inches.
- Tabulated values assume #2 grade lumber.
- Building width is measured perpendicular to the ridge. For widths between those shown, spans are permitted to be interpolated.
- NJ-Number of jack studs required to support each end. Where the number of required jack studs equals one, the header is permitted to be supported by an approved framing anchor attached to the full-height wall stud and to the header.
- Use 30psf ground snow load for cases in which ground snow load is less than 30psf and the roof live load is equal to or less than 20psf



NOTE:
SMOKE ALARMS SHALL BE INTERCONNECTED & INSTALLED IN THE FOLLOWING LOCATIONS:
1. EACH SLEEPING AREA
2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM.
3. ON EACH ADDITIONAL STORY OF THE DWELLING INCLUDING BASEMENT.
4. FIRE SEPARATION PER TOWN OR LOCAL CODE WHEN REQUIRED.
* DENOTES EGRESS WINDOW

CONSTRUCTION NOTE:
CONTRACTOR TO VERIFY GRADE AND ALL DIMENSIONS IN FIELD BEFORE STARTING NEW CONSTRUCTION. DESIGN SHOWN MAY DIFFER FROM ACTUAL FINISHED CONSTRUCTION. FINAL MATERIALS, WINDOW/DOOR LOCATIONS AND SIZES, TO BE DETERMINED PER OWNER/CONT. OR LOCAL CODES.

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