Development Services

From Concept to Construction







APPEAL SUMMARY

Status: Decision Rendered	
Appeal ID: 16550	Project Address: 2634 NE Broadway
Hearing Date: 2/28/18	Appellant Name: Alan Armstrong
Case No. : B-006	Appellant Phone: 5034426786
Appeal Type: Building	Plans Examiner/Inspector: Jerry Engelhardt
Project Type: commercial	Stories: 3 Occupancy: R-2 Construction Type: V-B
Building/Business Name: 2634 NE Broadway	Fire Sprinklers: Yes - throughout
Appeal Involves: occ Change from E to R-2	LUR or Permit Application No.: 17-274787-CO

APPEAL INFORMATION SHEET

Plan Submitted Option: pdf [File 1]

APPEAL INFORMATION SHEET				
Appeal item 1				
Code Section	OSSC 1207.2			
Requires	Walls and partitions separating dwelling units from each other or from public areas shall have a STC rating of not less than 50 (45 if field tested).			
Proposed Design	The building was built as an apartment building in 1925. Occupancy was changed to E in 1986. We propose to return the occupancy to the original R-2.			
	Propose that existing dwelling unit separation walls serve as adequate assembly. Existing walls are 2x4 studs @ 16" o.c. with wood lath and plaster each side and blown-in loose fill cellulose insulation filling each cavity.			
Reason for alternative	The existing wall assembly is comparable to assembly GA No. WP 3341 and GA No. WP 3260 shown on page 5 of the attached drawings.			
	GA No. WP 3341 consists of $\frac{1}{4}$ " gypsum wallboard base layer and $\frac{1}{2}$ " gypsum wallboard face layer. It tests to 45-49 STC with no insulation.			
	GA No. WP 3260 consists of $\frac{1}{4}$ " gypsum wallboard base layer and 5/8" type x gypsum wallboard face layer and laminating compound. It tests to 50-54 STC with 1 $\frac{1}{2}$ " batt insulation.			
	Therefore, it can be extrapolated that, in the worst case, the STC rating of the existing assembly would be no lower than 45 STC which would meet the code requirement for a tested assembly and that the probable STC is closer to the code required 50 STC.			

Proposed use: 5 unit apt building

Appeal item 2

Code Section OSSC 708

Requires	Walls separating dwelling units shall be 1-hour fire rated.
Proposed Design	The building was built as an apartment building in 1925. Occupancy was changed to E in 1986. We propose to return the occupancy to the original R-2.
	Propose that existing dwelling unit separation walls serve as adequate assembly. Existing walls are 2x4 studs @ 16" o.c. with wood lath and plaster each side and blown-in loose fill cellulose insulation filling each cavity.
Reason for alternative	The entire building is equipped with sprinklers and fire alarm. Therefore, the exception listed in OSSC 708.3 (2), which allows a $\frac{1}{2}$ hour fire rating between dwelling units in buildings equipped with an automatic fire sprinkler, would apply.
	The existing separation wall assembly is comparable to GA WP 3341, GA WP 3260, and OSSC Table 720.1(2) 12-1.3, assemblies that all are tested to a 1 hour fire rating which is above and beyond the required $\frac{1}{2}$ hour rating.
Appeal item 3	
Code Section	OSSC 1207.2 and 1207.3
Requires	Floors separating dwelling units shall have a STC rating of 50 (field tested 45) and IIC rating of 50 (field tested 45).
Proposed Design	The building was built as an apartment building in 1925. Occupancy was changed to E in 1986. We propose to return the occupancy to the original R-2.
	Propose that existing dwelling unit floor separation serves as adequate assembly. Existing floor assembly is 3/4" hardwood floor on 1" wood sleepers on 3/4" T&G diagonal ship-lap sheathing on 2x10 joists @ 16" o.c. with 1/4" lath and 1/2" gypsum plaster ceiling finish.
Reason for alternative	Propose that existing dwelling unit floor separation serves as adequate assembly. Existing floor assembly is 3/4" hardwood floor on 1" wood sleepers on 3/4" T&G diagonal ship-lap sheathing on 2x10 joists @ 16" o.c. with 1/4" lath and 1/2" gypsum plaster ceiling finish.
Reason for alternative	Propose that existing dwelling unit floor separation serves as adequate assembly. Existing floor assembly is 3/4" hardwood floor on 1" wood sleepers on 3/4" T&G diagonal ship-lap sheathing on 2x10 joists @ 16" o.c. with 1/4" lath and 1/2" gypsum plaster ceiling finish. Existing wall assembly is comparable to GA No. FC 5250 which consists of a double wood floor or 2x10 wood joists with RC channels and 1/2" gyp board ceiling and lists a STC of 45-49 and IIC of

APPEAL DECISION

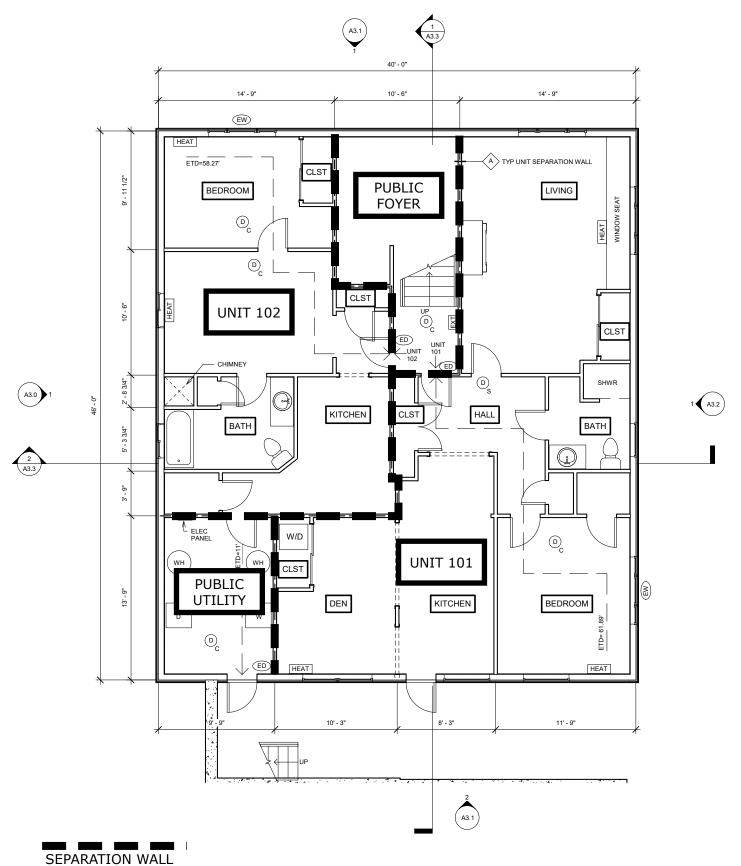
- 1. Alternate Sound Transmission Class (STC) rating of wall assembly: Denied. Proposal does not provide equivalent Life Safety protection.
- 2. Alternate one hour wall assembly: Denied. Proposal does not provide equivalent Life Safety protection.
- 3. Alternate Sound Transmission Class and Impact Insulation Class (STC / IIC) rating of floor / ceiling assembly: Denied. Proposal does not provide equivalent Life Safety protection.

Appellant may contact John Butler (503 823-7339) with questions.

Pursuant to City Code Chapter 24.10, you may appeal this decision to the Building Code Board of Appeal within 180 calendar days of the date this decision is published. For information on the appeals process and costs,

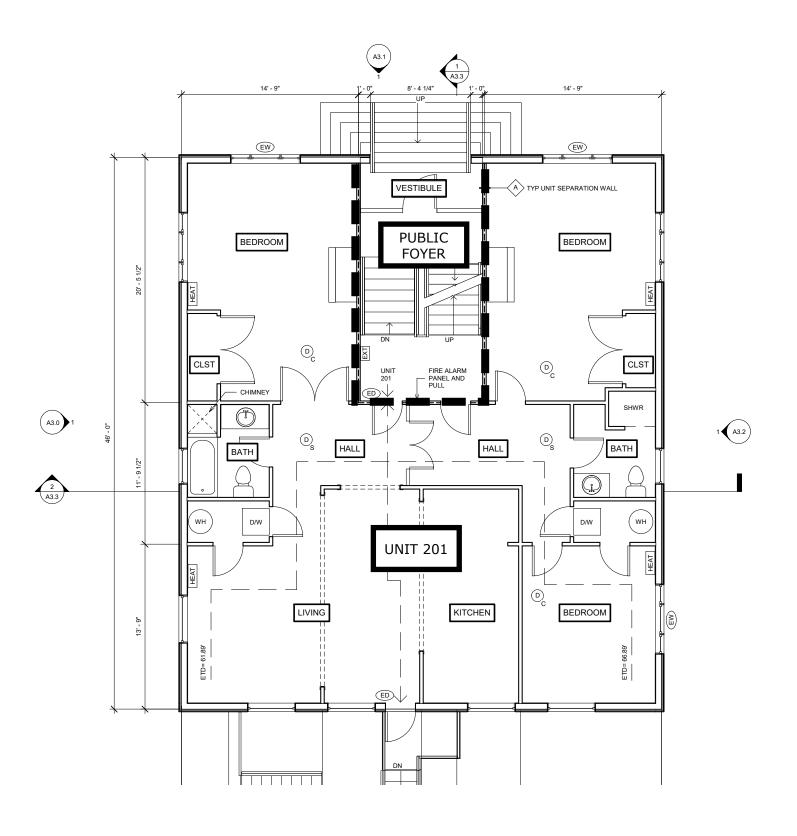
including forms, appeal fee, payment methods and fee waivers, go to www.portlandoregon.gov/bds/appealsinfo, call (503) 823-7300 or come in to the Development Services Center.

https://www.portlandoregon.gov/bds/appeals/index.cfm?action=entry&appeal_id=16550



FIRST FLOOR PLAN
1/8" = 1'-0"



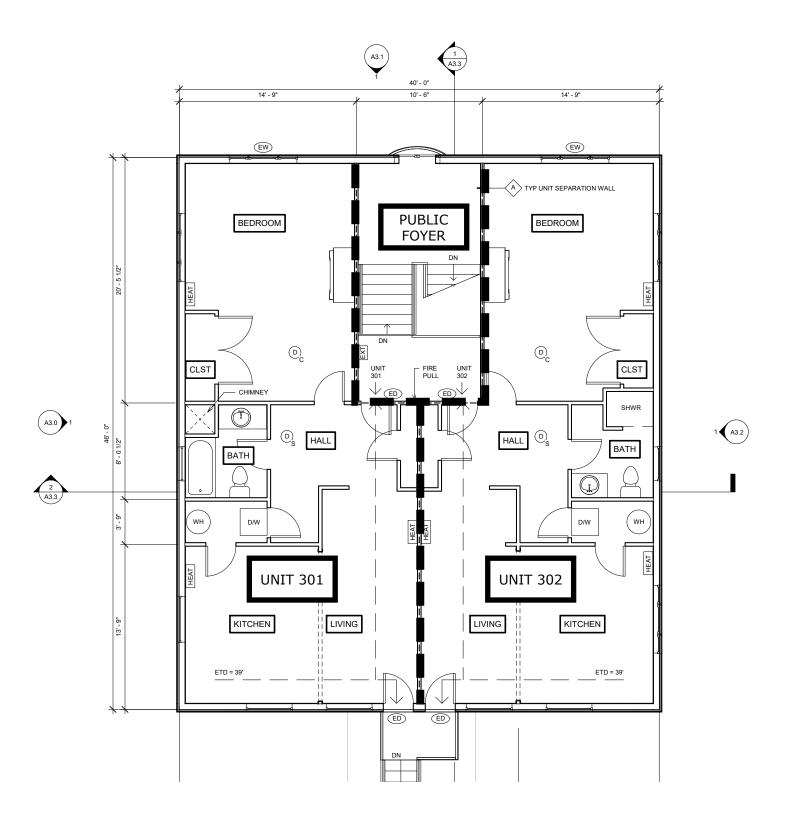


SEPARATION WALL

SECOND FLOOR PLAN

1/8" = 1'-0"



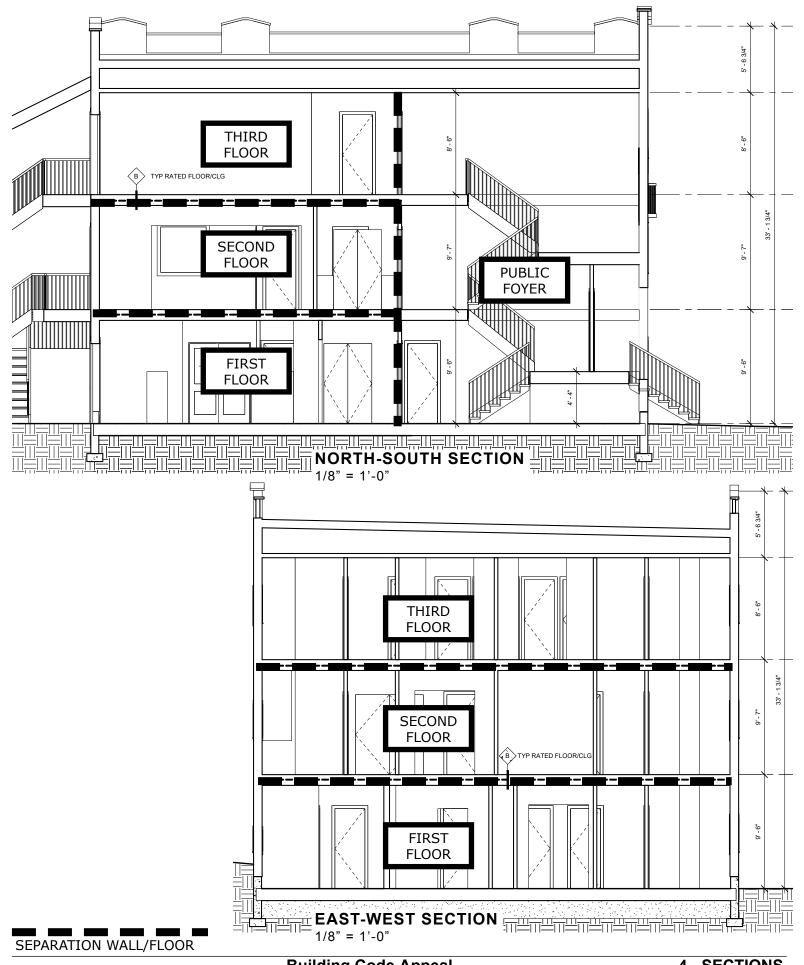


SEPARATION WALL

THIRD FLOOR PLAN

1/8" = 1'-0"

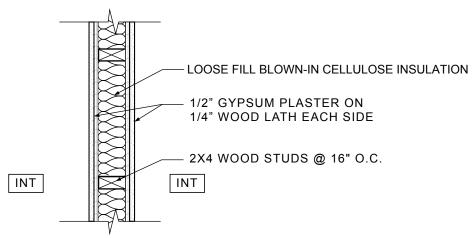






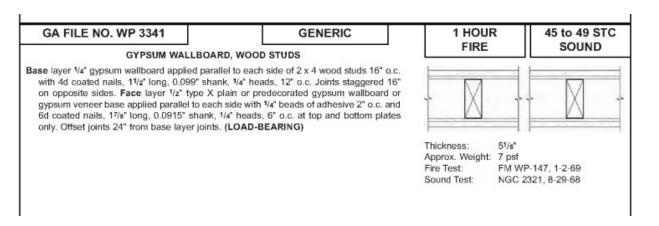
Building Code Appeal 2634 NE Broadway Portland, OR 97232 02.16.18

4 - SECTIONS



SEPARATION WALL ASSEMBLY

1" = 1'-0"

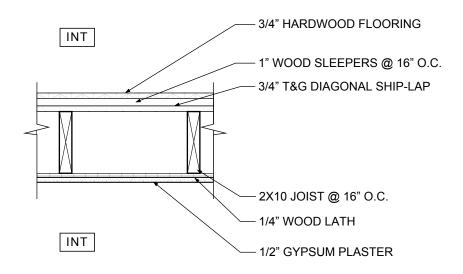


GA FILE NO. WP 3260		PROPRIETARY*	1 HOUR			
	ARD, GLASS WOOD STU	S FIBER INSULATION, DS	FIRE	SOUND		
studs 16" o.c. with 4d coated nails layer 5/6" proprietary type X gypsu to each side with 6" wide strips of I	, 11/2" long, m wallboard aminating co 17/8" long, 0	olied parallel to each side of 2 x 4 wood 0.099" shank, 1/4" heads, 12" o.c. Face or gypsum veneer base applied parallel ompound along the edges and centerline 0.0915" shank, 1/4" heads, 16" o.c. at top ion, 0.8 pcf, in stud space.	Thickness:	53/6"		
Joints staggered 16" each layer and s	ide. (LOAD-	BEARING)	Approx. Weight:	9 psf		
PROPRIE	TARY GYPS	UM BOARD	Fire Test:	See WP 3340		
Georgia Pacific Gypsum LLC	15	1/4" ToughRock® Sound Deadening Gypsum Board 5/s* ToughRock® Fireguard C®	Sound Test:	(UL R2717-52, 9-9-68, UL Design U312; ULC Design W300) G&H BW-35ST, 4-16-69		
Lafarge North America Inc.	12	Gypsum Board 1/4" Soundcheck®	Journa Test.	Gail BW-3351, 4-10-03		
National Gypsum Company	- 5/	5/s" Firecheck® Type C s" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Board				

	and bone over			0 3	1
12-1.31	$2" \times 4"$ wood studs 16" on center with $3'_8$ " perforated or plain gypsum lath and $1'_2$ " gypsum plaster each side. Lath nailed with $1'_8$ " by No. 13 gage by $19'_{64}$ " head plaster-board blued nails, 4" on center. Plaster mixed 1:2 by weight, gypsum to sand aggregate.	-	-	-	51/4
	245 Ab D. 27 (1940) 10 (1940) 10 (1940) 10 (1940) 10 (1940)				

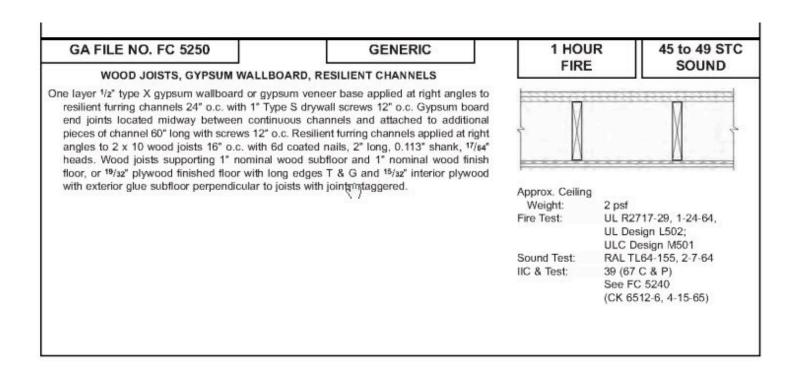
OSSC Table 721.1 (2) Item 12.1.3





SEPARATION FLOOR ASSEMBLY

1" = 1'-0"





02.24.18