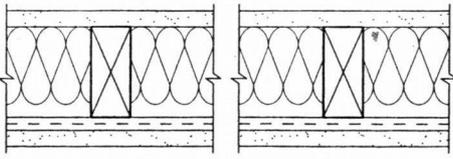
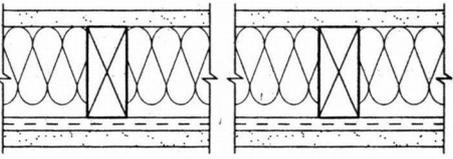
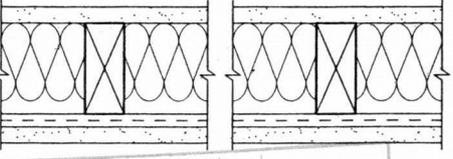


WALLS AND INTERIOR PARTITIONS, WOOD FRAMED

GA FILE NO. WP 3241	PROPRIETARY*	1 HOUR FIRE	50 to 54 STC SOUND																																
GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL FIBER INSULATION, WOOD STUDS																																			
<p>Resilient channels 24" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" or 24" o.c. with 1 1/4" Type S drywall screws. One layer 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied parallel to channels with 1" Type S drywall screws 12" o.c. End joints backblocked with resilient channels. 3" mineral fiber insulation, 2.0 or 2.3 pcf, in stud space.</p> <p>OPPOSITE SIDE: One layer 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to studs with 1 1/4" Type W drywall screws 12" o.c.</p> <p>Vertical joints staggered 48" on opposite sides. Sound tested with studs 16" o.c. and open face of mineral fiber insulation blankets toward resilient channel-side of stud space. (LOAD-BEARING)</p>		<p>Thickness: 5 3/8" Approx. Weight: 7 psf Fire Test: Based on UL R3660-7, 11-12-87; UL R2717-61, 8-18-87; UL Design U311 Sound Test: Estimated</p>																																	
PROPRIETARY GYPSUM BOARD																																			
<table style="width:100%; border:none;"> <tr> <td style="width:35%;">American Gypsum Company</td> <td style="width:10%;">-</td> <td style="width:35%;">5/8" FireBloc® TYPE C</td> <td style="width:20%;"></td> </tr> <tr> <td>BPB America Inc.</td> <td>-</td> <td>5/8" ProRoc® Type C Gypsum Panels</td> <td></td> </tr> <tr> <td>BPB Canada Inc.</td> <td>-</td> <td>5/8" ProRoc® Type C Gypsum Panels</td> <td></td> </tr> <tr> <td>G-P Gypsum</td> <td>-</td> <td>5/8" ToughRock® Fireguard® C</td> <td></td> </tr> <tr> <td>Lafarge North America Inc.</td> <td>-</td> <td>5/8" Firecheck® Type C</td> <td></td> </tr> <tr> <td>National Gypsum Company</td> <td>-</td> <td>5/8" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard</td> <td></td> </tr> <tr> <td>PABCO Gypsum</td> <td>-</td> <td>5/8" FLAME CURB® Super 'C'™</td> <td></td> </tr> <tr> <td>Temple-Inland Forest Products Corporation</td> <td>-</td> <td>5/8" TG-C</td> <td></td> </tr> </table>				American Gypsum Company	-	5/8" FireBloc® TYPE C		BPB America Inc.	-	5/8" ProRoc® Type C Gypsum Panels		BPB Canada Inc.	-	5/8" ProRoc® Type C Gypsum Panels		G-P Gypsum	-	5/8" ToughRock® Fireguard® C		Lafarge North America Inc.	-	5/8" Firecheck® Type C		National Gypsum Company	-	5/8" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard		PABCO Gypsum	-	5/8" FLAME CURB® Super 'C'™		Temple-Inland Forest Products Corporation	-	5/8" TG-C	
American Gypsum Company	-	5/8" FireBloc® TYPE C																																	
BPB America Inc.	-	5/8" ProRoc® Type C Gypsum Panels																																	
BPB Canada Inc.	-	5/8" ProRoc® Type C Gypsum Panels																																	
G-P Gypsum	-	5/8" ToughRock® Fireguard® C																																	
Lafarge North America Inc.	-	5/8" Firecheck® Type C																																	
National Gypsum Company	-	5/8" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard																																	
PABCO Gypsum	-	5/8" FLAME CURB® Super 'C'™																																	
Temple-Inland Forest Products Corporation	-	5/8" TG-C																																	

GA FILE NO. WP 3242	GENERIC	1 HOUR FIRE	50 to 54 STC SOUND
GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS			
<p>Resilient channels 16" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" or 24" o.c. with 1 1/4" Type S drywall screws. One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 8" o.c. with vertical joints located midway between studs End joints backblocked with resilient channels. 3" mineral or glass fiber insulation in stud space.</p> <p>OPPOSITE SIDE: One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at parallel or at right angles to studs with 6d cement coated nails, 17/8" long, 0.0915" shank, 15/16" heads, 7" o.c.</p> <p>Vertical joints staggered 24" on opposite sides. Sound tested with studs spaced 24" o.c. (STC=50). Also sound tested with studs spaced 16" o.c. and with two layers of 5/8" type X gypsum board on the resilient channel side (STC=50). (LOAD-BEARING)</p>		<p>Thickness: 5 3/8" Approx. Weight: 7 psf Fire Test: Based on UL R14196, 05NK05371, 2-15-05, UL Design U305 Sound Test: NRCC TL93-103, 3-98 NRCC TL93-118, 3-98</p>	

GA FILE NO. WP 3243	GENERIC	1 HOUR FIRE	50 to 54 STC SOUND
GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, WOOD STUDS			
<p>Resilient channels 24" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" or 24" o.c. with 1 1/4" Type S drywall screws. One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to channels with 1" Type S drywall screws 8" o.c. with vertical joints located midway between studs End joints backblocked with resilient channels. 3" mineral or glass fiber insulation in stud space.</p> <p>OPPOSITE SIDE: One layer 5/8" type X gypsum wallboard or gypsum veneer base applied at parallel or at right angles to studs with 6d cement coated nails, 17/8" long, 0.0915" shank, 15/16" heads, 7" o.c.</p> <p>Vertical joints staggered 24" on opposite sides. Sound tested with studs spaced 24" o.c. (STC=50). Also sound tested with studs spaced 16" o.c. and with two layers of 5/8" type X gypsum board on the side opposite the resilient channels (STC=53). (LOAD-BEARING)</p>		<p>Thickness: 5 3/8" Approx. Weight: 7 psf Fire Test: Based on UL R14196, 05NK05371, 2-15-05, UL Design U305 Sound Test: NRCC TL93-116, 3-98</p>	

*Contact the manufacturer for more detailed information on proprietary products.

FLOOR-CEILING SYSTEMS, WOOD FRAMED

GA FILE NO. FC 5240

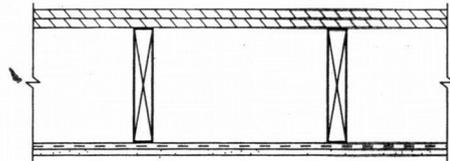
GENERIC

**1 HOUR
FIRE**

**45 to 49 STC
SOUND**

WOOD JOISTS, GYPSUM WALLBOARD, RESILIENT CHANNELS

One layer 1/2" type X gypsum wallboard or gypsum veneer base applied at right angles to resilient furring channels 24" o.c. with 1" Type S drywall screws 12" o.c. Gypsum board end joints located midway between continuous channels and attached to additional pieces of channel 54" long with screws 12" o.c. Resilient furring channels applied at right angles to 2 x 10 wood joists 16" o.c. with 1 1/4" Type W drywall screws. Wood joists supporting 1" nominal T & G wood subfloor and 1" nominal wood finish floor, or 19/32" plywood finished floor with long edges T & G and 15/32" interior plywood with exterior glue subfloor perpendicular to joists with joints staggered.



Approx. Ceiling
Weight: 3 psf
Fire Test: UL R1319-65, 11-16-64, UL Design L514
Sound Test: CK 6512-6, 7, 4-15-65
IIC & Test: 39 (67 C & P)
CK 6512-6, 4-15-65

GA FILE NO. FC 5241

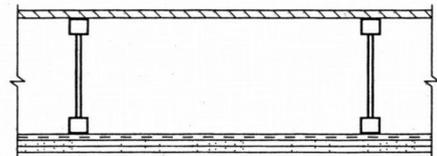
GENERIC

**1 HOUR
FIRE**

**45 to 49 STC
SOUND**

**WOOD I-JOISTS, GYPSUM WALLBOARD,
RESILIENT CHANNELS**

Base layer 1/2" type X gypsum wallboard applied at right angles to resilient channels 16" o.c. with 1 1/4" Type S drywall screws 12" o.c. Resilient channels applied at right angles to minimum 9 1/2" deep wood I-joists, with minimum 1 1/4" deep x 1 1/2" wide flanges and minimum 3/8" webs, 24" o.c. with 1 1/4" Type W drywall screws. Face layer 1/2" type X gypsum wallboard applied at right angles to channels with 1 5/8" Type S drywall screws 12" o.c. Face layer end joints located midway between channels and attached to base layer with 1 1/2" Type G screws 12" o.c. Edge joints offset 24" from base layer edge joints. Wood I-joists supporting 5/8" oriented strand board applied at right angles to I-joists with 8d common nails 12" o.c.



Approx. Ceiling
Weight: 5 psf
Fire Test: NRCC A-4440.1 (Revised), 6-24-97
Sound Test: NRCC B-3150.1, 6-30-00
IIC & Test: 40 (68 C & P)
NRCC B-3150.1, 6-30-00;
NRCC B-3150.2, 6-30-00

GA FILE NO. FC 5242

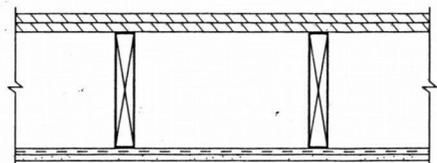
GENERIC

**1 HOUR
FIRE**

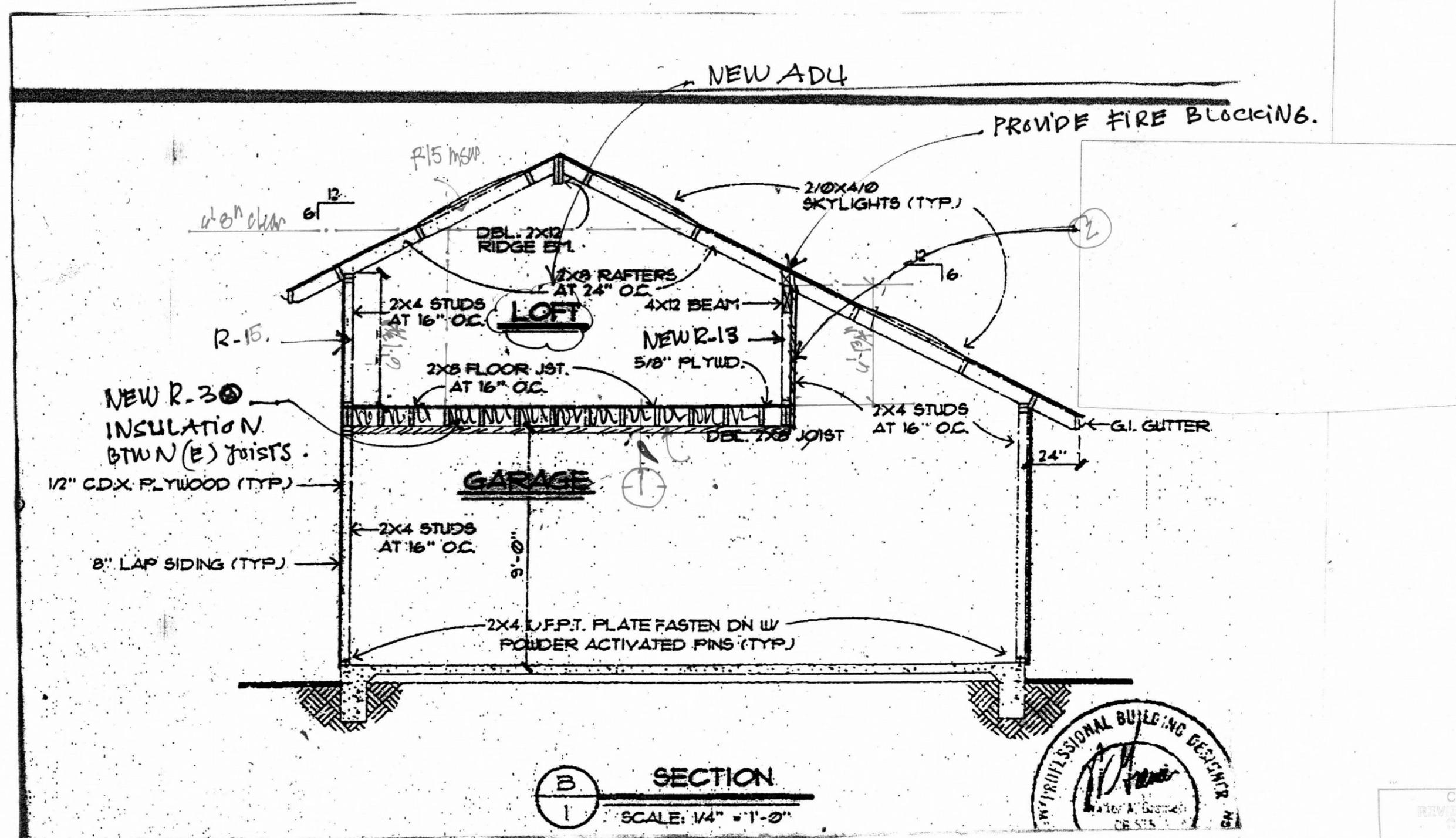
**45 to 49 STC
SOUND**

WOOD JOISTS, GYPSUM WALLBOARD, RESILIENT CHANNELS

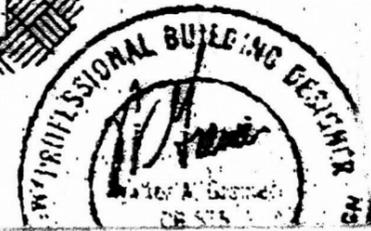
One layer 1/2" type X gypsum wallboard or gypsum veneer base applied at right angles to resilient furring channels 24" o.c. with 1" Type S drywall screws 11" o.c. Gypsum board end joints located midway between continuous channels and attached to additional pieces of channel 54" long with screws 12" o.c. Resilient furring channels applied at right angles to 2 x 10 wood joists 16" o.c. with 1 1/4" Type W drywall screws or 6d common nails. Wood joists supporting 1" nominal T & G wood subfloor and 1" nominal wood finish floor, or 5/8" plywood finished floor with long edges T & G and 1/2" interior plywood with exterior glue subfloor perpendicular to joists with joints staggered.



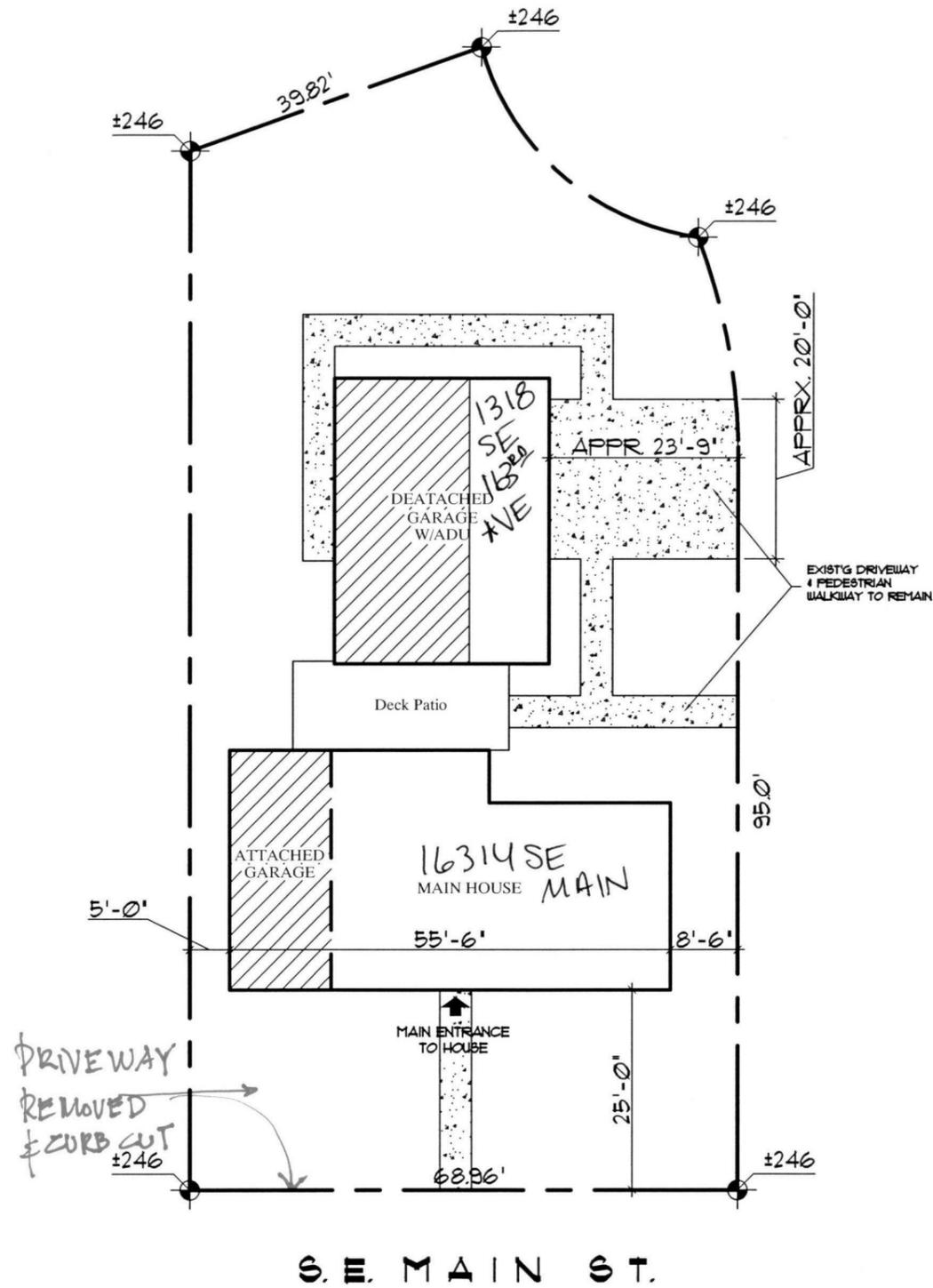
Approx. Ceiling
Weight: 2 psf
Fire Test: UL R3543-8, 7-8-68, UL Design L517
Sound Test: See FC 5240
(CK 6512-6, -7, 4-15-65)



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



City of Portland
 REVIEWED FOR CODE
 COMPLIANCE
 DEC 13 2012
 Permit Number



S. E. 1 6 3 R D A V E

LOT AREA: 9,500.00 SF

IMPERVIOUS AREA:

EXISTING DETACHED GARAGE:	966.00 SF
EXISTING UPPER FLOOR AT DETACHED GARAGE TO ADU:	617.00 SF
CONVERT ATTACHED GARAGE LIVING SPACE:	385.00 SF
EXISTING HOUSE:	1,476.00 SF
	280.00 SF
	200.00 SF

TOTAL BUILDING FOOT PRINT: 2,442.00 SF

PROJECT ADDRESS
16314 SE MAIN ST
PORTLAND, OR

City of Portland
REVIEWED FOR CODE
COMPLIANCE
DEC 13 2012
Permit Number

1
A0

SITE PLAN

SCALE: 1" = 20'-0"



A0