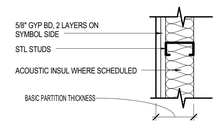


G

	G1_	STC	G2_	STC	G3_	STC	G4_	STC	G5_	STC	G6_	STC	G7_	STC	G8_	STC	G9_	STC
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	G11	27	G21	29	G31	27	G41	30	G51	27	G61	30	G71	27	G81	31	G91	26
NON-RATED WITH GYP BD TO 6" ABOVE CEILING	G12		G22		G32		G42		G52		G62		G72		G82		G92	
NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING	G13		G23		G33		G43		G53		G63		G73		G83		G93	
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"		1 1/2"	
BASIC PARTITION THICKNESS	3 1/8"		3 1/8"		4 1/4"		4 1/4"		4 5/8"		4 5/8"		6 5/8"		6 5/8"		2 1/8"	
LEAD LINED THICKNESS	1/16"		1/16"		1/16"		1/16"		1/16"		1/16"		1/16"		1/16"		1/16"	
ACOUSTICAL INSULATION THICKNESS	-		2"		-		3"		-		3"		-		5 1/2"		1"	
ACOUSTICAL TEST NUMBER	NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1	

NOTE:
1. STC'S ARE PREDICTED USING THE "INSUL" COMPUTER PROGRAM.
2. STC'S ARE BASED ON 0.016" THICK (25 GA) STUDS.
3. 1/16" LEAD LINED GWB ON ONE SIDE OF PARTITION. LEAD LINED GWB TO 7'-0" A.F.F.

C1010.10-4D

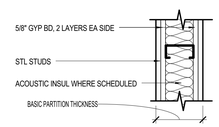


E

	E1_	STC	E2_	STC	E3_	STC	E4_	STC	E5_	STC	E6_	STC	E7_	STC	E8_	STC	E9_	STC
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	E11	33	E21	34	E31	33	E41	35	E51	33	E61	35	E71	33	E81	30	E91	36
NON-RATED WITH GYP BD TO 6" ABOVE CEILING	E12		E22		E32		E42		E52		E62		E72		E82		E92	
NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING	E13		E23		E33		E43		E53		E63		E73		E83		E93	
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"		1 1/2"	
BASIC PARTITION THICKNESS	3 3/4"		3 3/4"		4 7/8"		4 7/8"		5 1/4"		5 1/4"		7 1/4"		7 1/4"		2 3/4"	
ACOUSTICAL INSULATION THICKNESS	-		2"		-		3"		-		3"		-		5 1/2"		1"	
ACOUSTICAL TEST NUMBER	NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1	

NOTE:
1. STC'S ARE PREDICTED USING THE "INSUL" COMPUTER PROGRAM.
2. STC'S ARE BASED ON 0.018" THICK (25 GA) STUDS.

C1010.10-4E

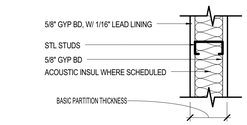


C

	C1_	STC	C2_	STC	C3_	STC	C4_	STC	C5_	STC	C6_	STC	C7_	STC	C8_	STC
2-HR RATED WITH GYP BD TO STRUCTURE ABOVE	C10	49	C20	55	C30	48	C40	57	C50	48	C60	57	C70	50	C80	58
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	C11	49	C21	55	C31	48	C41	57	C51	48	C61	57	C71	50	C81	58
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"	
BASIC PARTITION THICKNESS	5"		5"		6 1/8"		6 1/8"		6 1/2"		6 1/2"		8 1/2"		8 1/2"	
ACOUSTICAL INSULATION THICKNESS	-		2"		-		3"		-		3"		-		5 1/2"	
ACOUSTICAL TEST NUMBER	SIM BBN 770408		SIM USG 840818 NOTE 2		SIM BBN 770408		SIM USG 840818		SIM BBN 770408		SIM USG 840818		SIM BBN 770408 NOTE 3		SIM USG 840818 NOTE 3	
FIRE TEST NUMBER (WHERE APPLICABLE)	UL DES U411		UL DES U411		UL DES U411		UL DES U411		UL DES U411		UL DES U411		UL DES U411		UL DES U411	

NOTE:
1. STC IS MODIFIED FROM THE REFERENCE.
2. STC IS PREDICTED USING THE "INSUL" COMPUTER PROGRAM.
3. STC IS BASED ON 0.018" THICK (25 GA) STUDS.

C1010.10-4C

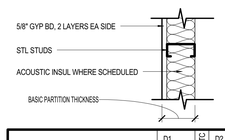


F

	F1_	STC	F2_	STC	F3_	STC	F4_	STC	F5_	STC	F6_	STC	F7_	STC	F8_	STC
1-HR RATED WITH GYP BD TO STRUCTURE ABOVE			F20	46	F30	39	F40 *	47	F50	39	F60	47	F70	40	F80	48
NON-RATED WITH GYP BD TO STRUCTURE ABOVE (SMOKE RESIST)	F11	39	F21	46	F31	39	F41	47	F51	39	F61	47	F71	40	F81	48
NON-RATED WITH GYP BD TO 6" ABOVE CEILING	F12		F22		F32		F42		F52		F62		F72		F82	
NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING	F13		F23		F33		F43		F53		F63		F73		F83	
PARTIAL HEIGHT PARTITION. SEE FLOOR PLANS FOR HEIGHTS. NOTE 1.	F14		F24		F34		F44		F54		F64		F74		F84	
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"	
BASIC PARTITION THICKNESS	3 3/4"		3 3/4"		4 7/8"		4 7/8"		5 1/4"		5 1/4"		7 1/4"		7 1/4"	
LEAD LINED THICKNESS	1/16"		1/16"		1/16"		1/16"		1/16"		1/16"		1/16"		1/16"	
ACOUSTICAL INSULATION THICKNESS	-		2"		-		3"		-		3"		SIM SA 860808 NOTE 3		SIM USG 870717 NOTE 4	
ACOUSTICAL TEST NUMBER	SIM USG 860808		SIM SA 831001		SIM USG 860808		SIM USG 870717		SIM USG 860808		SIM SA 870717		UL DES U465		UL DES U465	
FIRE TEST NUMBER (WHERE APPLICABLE)	-		UL DES U419		UL DES U465		UL DES U465		UL DES U465		UL DES U465					

NOTE:
1. STC IS PREDICTED USING THE "INSUL" COMPUTER PROGRAM.
2. STC IS MODIFIED FROM THE REFERENCE.
3. STC IS BASED ON 0.018" THICK (25 GA) STUDS
4. WHERE AN * NEXT TO THE PARTITION TAG, PROVIDE 3/4" PLYWOOD BEHIND THE GYP BD ON THE STORE ROOM SIDE.
5. 1/16" LEAD LINED GWB ON ONE SIDE OF PARTITION. LEAD LINED GWB TO 7'-0" A.F.F.

C1010.10-4A

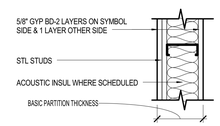


D

	D1_	STC	D2_	STC	D3_	STC	D4_	STC	D5_	STC	D6_	STC	D7_	STC	D8_	STC	D9_	STC
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	D11	27	D21	29	D31	27	D41	30	D51	27	D61	30	D71	27	D81	31	D91	26
NON-RATED WITH GYP BD TO 6" ABOVE CEILING	D12		D22		D32		D42		D52		D62		D72		D82		D92	
NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING	D13		D23		D33		D43		D53		D63		D73		D83		D93	
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"		1 1/2"	
BASIC PARTITION THICKNESS	3 1/8"		3 1/8"		4 1/4"		4 1/4"		4 5/8"		4 5/8"		6 5/8"		6 5/8"		2 1/8"	
ACOUSTICAL INSULATION THICKNESS	-		2"		-		3"		-		3"		-		5 1/2"		1"	
ACOUSTICAL TEST NUMBER	NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1		NOTE 1	

NOTE:
1. STC'S ARE PREDICTED USING THE "INSUL" COMPUTER PROGRAM.
2. STC'S ARE BASED ON 0.018" THICK (25 GA) STUDS.

C1010.10-4D

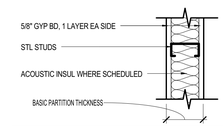


B

	B1_	STC	B2_	STC	B3_	STC	B4_	STC	B5_	STC	B6_	STC	B7_	STC	B8_	STC
1-HR RATED WITH GYP BD TO STRUCTURE ABOVE			B20	46	B30	42	B40	53	B50	42	B60	53	B70	44	B80	54
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	B11	44	B21	51	B31	42	B41	53	B51	42	B61	53	B71	44	B81	54
NON-RATED WITH GYP BD TO 6" ABOVE CEILING	B12		B22		B32		B42		B52		B62		B72		B82	
NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING	B13		B23		B33		B43		B53		B63		B73		B83	
PARTIAL HEIGHT PARTITION. SEE FLOOR PLANS FOR HEIGHTS. NOTE 1.	B14		B24		B34		B44		B54		B64		B74		B84	
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"	
BASIC PARTITION THICKNESS	4 3/8"		4 3/8"		5 1/2"		5 1/2"		5 7/8"		5 7/8"		7 7/8"		7 7/8"	
ACOUSTICAL INSULATION THICKNESS	-		2"		-		3"		-		3"		-		5 1/2"	
ACOUSTICAL TEST NUMBER	SIM TL 69-148		SIM SA 800504		SIM TL 69-148		SIM SA 800504		SIM TL 69-148		SIM SA 800504		SIM TL 69-148 NOTE 5		SIM SA 800504 NOTE 5	
FIRE TEST NUMBER (WHERE APPLICABLE)	-		UL DES U419 U448		UL DES U419		UL DES U419		UL DES U419		UL DES U419		UL DES U419		UL DES U419	

NOTE:
1. REVEALS ARE ACCEPTABLE IN THE OUTER LAYER OF DOUBLE GYPSUM BOARD AND STILL MAINTAIN THE 1-HR RATING.
2. STC IS PREDICTED USING "INSUL" COMPUTER PROGRAM.
3. STC IS BASED ON 0.018" THICK (25 GA) STUDS.

C1010.10-4B



A

	F1_	STC	A2_	STC	A3_	STC	A4_	STC	A5_	STC	A6_	STC	A7_	STC	A8_	STC
1-HR RATED WITH GYP BD TO STRUCTURE ABOVE			A20	46	A30 *	39	A40 *	47	A50	39	A60	47	A70	40	A80	48
NON-RATED WITH GYP BD TO STRUCTURE ABOVE (SMOKE RESIST)	A11	39	A21	46	A31	39	A41	47	A51	39	A61	47	A71	40	A81	48
NON-RATED WITH GYP BD TO 6" ABOVE CEILING	A12		A22		A32		A42		A52		A62		A72		A82	
NON-RATED WITH STUDS & GYP BD TO FINISHED CEILING	A13		A23		A33		A43		A53		A63		A73		A83	
PARTIAL HEIGHT PARTITION. SEE FLOOR PLANS FOR HEIGHTS. NOTE 1.	A14		A24		A34		A44		A54		A64		A74		A84	
STUD SIZE	2 1/2"		2 1/2"		3 5/8"		3 5/8"		4"		4"		6"		6"	
BASIC PARTITION THICKNESS	3 3/4"		3 3/4"		4 7/8"		4 7/8"		5 1/4"		5 1/4"		7 1/4"		7 1/4"	
ACOUSTICAL INSULATION THICKNESS	-		2"		-		3"		-		3"		-		5 1/2"	
ACOUSTICAL TEST NUMBER	SIM USG 860808		SIM SA 831001		SIM USG 860808		SIM USG 870717		SIM USG 860808		SIM SA 870717		SIM USG 860808 NOTE 3		SIM USG 870717 NOTE 4	
FIRE TEST NUMBER (WHERE APPLICABLE)	-		UL DES U419		UL DES U465		UL DES U465		UL DES U465		UL DES U465		UL DES U465		UL DES U465	

NOTE:
1. STC IS PREDICTED USING THE "INSUL" COMPUTER PROGRAM.
2. STC IS MODIFIED FROM THE REFERENCE.
3. STC IS BASED ON 0.018" THICK (25 GA) STUDS
4. WHERE AN * NEXT TO THE PARTITION TAG, PROVIDE 3/4" PLYWOOD BEHIND THE GYP BD ON THE STORE ROOM SIDE.

C1010.10-4A

Partition general notes

Note:
Partition designations omitted or skipped is intentional.

1. General
A. Refer to A04-02 series drawings for scheduled partition locations and types.
B. Reference room finish schedule for bases and final finishes not shown on partition types.
C. See supplemental details on A00-50 & A00-60 for specific head, jamb & base of wall conditions, for rated partitions refer to rated head conditions.
D. Construct rated partitions before non-rated.

2. Framing
A. All non-bearing partitions shall be constructed to limit deflection to L/240 with uniform 5 psf loading. Provide additional structure as required at all partitions to meet performance criteria, unlessnoted otherwise. Contractor shall verify all stud gauge and spacing to meet specified lateral loads and deflection criteria. Additional loading criteria is as follows:
Elevator hoistways: 10 psf
Mechanical shafts: 10 psf
Loading dock: tbd
B. Provide double stud framing at all jambs oframes and cased openings, including diagonalkicker on corridor side above finished ceiling.
C. Isolate partition framing from structural elements to prevent the transfer of loads to partition assemblies. Install slip track assemblies per details.
D. Where control joints are required based upon specified frequency, and are not shown on interior elevations, locate control joints on both strike and swing side of doors. When providing control joints at doors does not meet the specified frequency, provide double stud control joint construction and verify location with the architect prior to proceeding with any installation of control joints.
E. Do not fasten studs or gypsum board panels to top runner / metal track. Use runner / track with 1-1/2" long flanges, min.
F. Provide adequate sheet metal or steel backing foall wall mounted architectural woodwork, finish carpentry, toilet partitions and accessories ansimilar mounted items.
G. Coordinate all framing assemblies with all adjacent building trades including but not limited to mechanical, electrical, plumbing and fire protection.
H. Refer to MEP and FP drawings for opening and penetration requirements at full height partitions.
I. Provide studs designed for sprinkler piping(empcorsp-notch system or equal) at all locations where sprinkler piping is concealed within walls - verify locations with sprinkler contractor.

3. Gypsum board
A. Items shown or scheduled to be semi or fully recessed shall be installed flush with finish face of partition unless noted otherwise. Partition depth dtype shall be adjusted to accommodate the depth of recessed item or as directed by the architect.
B. Water resistant tile backer board wall panels shall be used on partition assemblies at locations scheduled in the room finish schedule.
C. Tape and apply joint compound to all interior corners and joints of gypsum board, unless noted otherwise for movement control.
D. Install metal casing / trim and apply joint compouto all exposed corners of gypsum board unless note otherwise.
E. Install metal reveals with concealed fasteners per manufactures instructions. Provide mitered corners, joints and intersections to all reveal conditions, and apply joint compound to conceal all reveal flanges.

Partition general notes continued

4. Fire rated partitions
A. Provide permanently stenciled identification above the ceiling at 4'-0" o.c on all corridor partitions, smoke partitions, horizontal exit partitions, exit enclosures, and fire rated walls. The identification shall be a minimum of 4" high and read as follows: "fire and smoke barrier - protect all openings".
B. Rated partitions are to be constructed before nonrated partitions. Abut nonrated partitions to ratepartitions.
C. All fire-resistance rated partitions shall be constructed from top of non-finished floor construction to bottom of floor construction above.
D. All partitions noted to be fire-resistance rated shall be constructed in strict accordance with the referenced fire resistance test. If no test is referenced, provide an industry recognized fire resistance test or letter of engineering judgment for review prior to construction.
E. Fire rated head conditions and through penetrations, whether a sub-part of the referenced rated assembly, or as shown in detail represent typical head-of-wall conditions. Atypical conditions discovered during required trade coordination are required to maintain the integrity of the fire-resistance rating noted on the floor plans. Provide an industry recognized fire resistance test, or letter of engineering judgment, for all atypical conditions for review prior to construction.
F. All through penetrations in fire resistance rated partitions shall be sealed with materials and assemblies necessary to maintain the required fire resistance rating of the partition.

5. Sound resistance rating
A. All partitions noted to be sound resistancerated, shall be constructed in strict accordance with the referenced test. Listed stc ratings with no referenced test assembly are estimated ratings.
B. All gypsum board partitions shall be constructed with sound attenuated insulation as scheduled. Insulation shall be continuous and without interruption.
C. All through penetrations in sound resistance rated partitions shall be sealed with acoustical sealant to maintain referenced sound resistance rating.
D. All through penetrations in all partitions noted to be sound resistance rated and fire resistance rated are required to be sealed with materials capable of meeting both sound and fire resistance ratings.
E. Provide acoustical pads around any itemspenetrating face of wall, such as junction boxes, outlets, switches, etc. Install acoustical 'putty pads' behind & around each j-box and maintain a minimum of 24" o.c where back/ back layouts may occur. Where outlets need to be relocated, notify architect immediately.
F. Provide acoustical sealant all around through floor pipe/ duct penetration.
G. At all partitions install wall boards to maintain 1/8" min, 1/4" max joint between bottom edge of board and top of slab / floor. Fill joint with continuous bead of acoustic sealant.

6. Design thickness
"EQ" (equivalent design thickness). Use of a material with an equivalent design thickness is subject to the requirements of ASTM C645 and submission of third party testing in accordance with ICC ES AC86.

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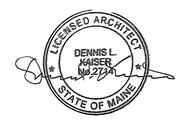
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CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspection Services Division
Approved with Conditions
Date: 10/16/15



Revisions

	ISSUED FOR PERMIT	08.21.2015
1	Addendum 1	08.21.2015
	ISSUED FOR BID	07.31.2015
NO	ISSUE	DATE

Sheet Information

Date	AUGUST 21, 2015
Job #	152168.023
Drawn	Author
Checked	Checker
Approved	Approver

Title

PARTITION TYPES

Sheet

A00-40

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