STC'S ARE BASED ON 0.018" THICK (25 GA) STUDS.

	1	1																
	E1_	STC	E2_	STC	E3_	STC	E4_	STC	E5_	STC	E6_	STC	E7_	STC	E8_	STC	E9_	O.T.C
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 "INS	UL" COMPUT	TER	PROGRAM.												-			

C1010.10-4E

5/8" GYP BD, 1 LAYER EA SIDE 0.033" THK (20 GA) STUDS ACOUSTIC INSUL WHERE SCHEDULED 0.018" THK (25 GA), 1/2" RESILIENT STL CHANNELS BASIC PARTITION THICKNESS-

	1 Transport	1		Supplemental Comment		
	Q1_	STC	Q2_	STC	Q3_	STC
1-HR RATED WITH GYP BD TO STRUCTURE ABOVE	Q10—	50	Q20—	54	Q30)—	56
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	Q11)—	50	Q21)—	54	Q31)—	56
STUD SIZE	2 1/2"		3 5/8"		6"	
BASIC PARTITION THICKNESS	4 1/4"	:	5 3/8"		7 3/4"	
ACOUSTICAL INSULATION THICKNESS	2"		3"		5"	
ACOUSTICAL TEST NUMBER	RAL-TL- 87-156		RAL-TL- 83-216		RAL-TL- 84-141	•
FIRE TEST NUMBER (WHERE APPLICABLE)	UL DES U	451	UL DES U419		UL DES U419	
		· ·			C1010.10-40)

5/8" GYP BD, 1 LAYER EA SIDE 0.018" THK (25 GA) STL STUDS -ACOUSTIC INSUL WHERE SCHEDULED LEAD SHIELDING ON ROOM SIDE. HEIGHT AND THICKNESS PER PHYSICIST'S REPORT. BASIC PARTITION THICKNESS

TO STRUCTURE ABOVE NON-RATED WITH GYP BD TO STRUCTURE ABOVE (SMOKE RESIST) NON-RATED WITH GYP BD TO 6" ABOVE CEILING NON-RATED WITH STUDS AND GYP BD TO FINISHED CEILING STUD SIZE STUD SIZE 3 5/8" 3 5/8" 4 7/8" 4 830 4 860808 8 87017 4 830 4 860808 4 87017 4 830 4 7/8" 4 830 4 860808 4 87017 4 830 4 7/8" 4 830 4 860808 4 87017 4 7 830 4 7 830 4 7 831 4 7 831 4 7 831 4 7 851 4 7 851 4 7 851 4 7 860 4 7 830 4 7 831 8 842 8 843 8 8	1-HR RATED WITH GYP BD	R1_	SSTC	R2_	STC		SSTC		STC	+	SSTC	R6_	+
TO STRUCTURE ABOVE (SMOKE RESIST) NON-RATED WITH GYP BD TO 6" ABOVE CEILING NON-RATED WITH STUDS AND GYP BD TO FINISHED CEILING STUD SIZE BASIC PARTITION THICKNESS 47/8" 47/8" 47/8" 482 R32 R32 R42 R52 R62 R62 R62 R63 R63 R63 R63 R6	TO STRUCTURE ABOVE	(R10)—	39	(R20)—	47	(R30)—	39	(R40)—	47	(R50)—	40	(R60)—	-
TO 6" ABOVE CEILING NON-RATED WITH STUDS AND GYP BD TO FINISHED CEILING STUD SIZE STUD SIZE 3 5/8" 4 7/8" 4 7/8" 5 1/4" ACOUSTICAL INSULATION THICKNESS USG 860808 87017 STUD SIZE WA2 R32 R42 R52 R62 R62 R62 R63 R63 R63 R63 R6	TO STRUCTURE ABOVE (SMOKE RESIST)	R11)—	39	R21)—	47	R31 —	39	R41—	47	R51 —	40	R61—	
GYP BD TO FINISHED CEILING R13 R23 R33 R43 R93 R03 STUD SIZE 3 5/8" 3 5/8" 4" 4" 4" 6" 6" BASIC PARTITION THICKNESS 4 7/8" 4 7/8" 5 1/4" 5 1/4" 7 1/4" 7 1/4" ACOUSTICAL INSULATION THICKNESS - 3" - 3" - 5 1/2" ACOUSTICAL TEST NUMBER USG 860808 87017 860808 87017 NOTE 2 NOTE 2 FIRE TEST NUMBER (WHERE APPLICABLE) UL DES UL DES UL DES UL DES UL DES	TO 6" ABOVE CEILING	R12)—		R22)—		R32 —		R42—		R52—		R62—	
BASIC PARTITION THICKNESS 4 7/8" 4 7/8" 5 1/4" 5 1/4" 7 1/4" 7 1/4" ACOUSTICAL INSULATION THICKNESS - 3" - 3" - 5 1/2" ACOUSTICAL TEST NUMBER USG 860808 USG 860808 USG 860808 USG 860808 USG 87017 NOTE 2 NOTE 2 FIRE TEST NUMBER (WHERE APPLICABLE) UL DES UL DES UL DES UL DES UL DES UL DES		R13 —		R23—		R33—		R43—		R53—		R63—	-
ACOUSTICAL INSULATION THICKNESS - 3" - 51/2" ACOUSTICAL TEST NUMBER USG USG USG USG 860808 USG 87017 USG 860808 87017 NOTE 2 NOTE FIRE TEST NUMBER (WHERE APPLICABLE) UL DES UL DES UL DES UL DES UL DES	STUD SIZE	3 5/8"		3 5/8"		4"		4"		6"		6"	
ACOUSTICAL TEST NUMBER	BASIC PARTITION THICKNESS	4 7/8"		4 7/8"		5 1/4"		5 1/4"		7 1/4"		7 1/4"	
### ACCOUSTICAL TEST NUMBER 860808 87017 860808 87017 NOTE 2 NOTE 2 FIRE TEST NUMBER (WHERE APPLICABLE) UL DES	ACOUSTICAL INSULATION THICKNESS			3"		•		3"			- 1	5 1/2"	
FIRE IPST NUMBER (WHERE APPLICABLE) IN TOTAL BUILDING STORY OF THE STO	ACOUSTICAL TEST NUMBER	1		1		1	,	1		1		USG 8707 NOTE	
	FIRE TEST NUMBER (WHERE APPLICABLE)			UL DES U	465	1		1				UL DES U465	-

5/8" GYP BD, 2 LAYERS EA SIDE ACOUSTIC INSUL WHERE SCHEDULED BASIC PARTITION THICKNESS-

	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		30	D71)—	27	D81)—	31		26
NON-RATED WITH GYP BD TO 6" ABOVE CEILING	D12)—	-	D22)—		D32 —		D42 —		D52 —		D62)—		D72)—		D82)—			
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	A		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 "INS 2. STC'S ARE BASED ON 0.018" THICK (25 0		TER	PROGRAM.															-

5/8" GYP BD, 2 LAYERS EA SIDE STL STUDS -ACOUSTIC INSUL WHERE SCHEDULED BASIC PARTITION THICKNESS-

	C1_	STC	C2_	STC	C3_	STC	C4_	STC	C5_	STC	C6_	STC	C7_	STC	C8_	OTO
2-HR RATED WITH GYP BD TO STRUCTURE ABOVE	C10—	49	C20—	55	C30 —	48	C40—	57	C50—	48	<u>C60</u> —	57	C70—	50	C80—	5
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	C11)—	49	C21)—	55	C31)—	48	C41)—	57	C51)—	48	<u>C61</u> —	57	(C71)—	50	C81—	5
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 US0 840818 NOTE 2		SIM BBN 770408	l .:	SIM USC 840818		SIM BBN 770408		SIM US0 840818		SIM BBN 770408 NOTE 3		SIM USG 840818 NOTE 3	
FIRE TEST NUMBER (WHERE APPLICABLE)	UL DES U4	11	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	SE.			-		-		-		-					-	

5/8" GYP BD-2 LAYERS ON SYMBOL SIDE & 1 LAYER OTHER SIDE	
STL STUDS	
ACOUSTIC INSUL WHERE SCHEDULED —	
BASIC PARTITION THICKNESS	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

STC IS PREDICTED USING THE "INSUL" COMPUTER PROGRAM.

	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 —	5
NON-RATED WITH GYP BD TO STRUCTURE ABOVE	(B11)—	44	(B21)—	51	B31)—	42	(B41)—	53	B51 —	42	B61 —	53	B71)—	44	B81)—	5
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)—	L
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 U4 U448	119	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 OU 2. STC IS PREDICTED USING "INSUL" COM				SUM) STI	LL MAINTAIN	N TH		NG.						-

Partition general notes

Note: Partition designations omitted or skipped is intentional.

<u>General</u>

- Refer to A04-02 series drawings for scheduled
- partition locations and types. Reference room finish schedule for bases and final
- finishes not shown on partition types. 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.

C1010.10-4D

C1010.10-4C

C1010.10-4B

- 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 performancecriteria, unless noted 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 diagonal kicker 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 orinterior elevations, locate control joints on both strike and swing side of doors. When providing control joints at doors does not meet the specifiecfrequency, 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. Provide adequate sheet metal or steel backing foall wall mounted architectural woodwork, finish carpentry, toilet partitions and accessories and similar mounted
- 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. Provide studs designed for sprinkler piping(empcor sp-notch system or equal) at all locations where sprinkler piping is concealecwithin walls - verify

locations with sprinkler contractor.

Gypsum board

5/8" GYP BD, 1 LAYER EA SIDE

BASIC PARTITION THICKNESS-

I-HR RATED WITH GYP BD

TO STRUCTURE ABOVE (SMOKE RESIST) NON-RATED WITH GYP BD

TO 6" ABOVE CEILING
NON-RATED WITH STUDS & GYP BD

PLANS FOR HEIGHTS. NOTE 1.

BASIC PARTITION THICKNESS

ACOUSTICAL TEST NUMBER

FIRE TEST NUMBER (WHERE APPLICABLE)

STC IS MODIFIED FROM THE REFERENCE. STC IS BASED ON 0.018" THICK (25 GA) STUDS

. STC IS PREDICTED USING THE "INSUL" COMPUTER PROGRAM.

TO STRUCTURE ABOVE NON-RATED WITH GYP BD

TO FINISHED CEILING

STUD SIZE

ACOUSTIC INSUL WHERE SCHEDULED

STL STUDS -

- Items shown or scheduled to be semi or fully recessed shall be installed flush with finishface of partition unless noted otherwise. Partition depth or type shall be adjusted to accommodate the depth of recessed item or as directed by the architect.
- Water resistant tile backer board wall panels shall be used on partition assemblies at locations scheduled in the room finishschedule.
- Tape and apply joint compound to all interior corners and joints of gypsum board, unless noted otherwise for movement control.
- Install metal casing / trim and apply joint compound to all exposed corners of gypsum board unless note
- 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".
- Rated partitions are to be constructed before nonrated partitions. Abut nonrated partitions to rated
- 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. 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.
- 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.

Sound resistance rating

- 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.
- 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. 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 i-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.

| E | A5_ | E | A6_

SIMUSG

860808

7 1/4"

SIM USG 860808 NOTE 3

C1010.10-4A

SIM SA 870717

(A20) 46 (A30) * 39 (A40) * 47 (A50) 39 (A60) 47 (A70) 40 (A80)

 A11
 39
 A21
 46
 A31
 39
 A41
 47
 A51
 39
 A61
 47
 A71
 40
 A81

3 5/8"

3 3/4" 4 7/8" 4 7/8" 5 1/4" 5 1/4"

SIM USG

870717

 A12
 A22
 A32
 A42
 A52
 A62

 A13
 A23
 A33
 A43
 A53
 A63

3 5/8"

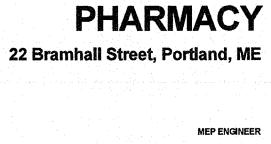
860808

2 1/2"

ACOUSTICAL INSULATION THICKNESS - 2" - 3"

WHERE AN * NEXT TO THE PARTITION TAG, PROVIDE 3/4" PLYWOOD BEHIND THE GYP BD ON THE STORE ROOM SIDE

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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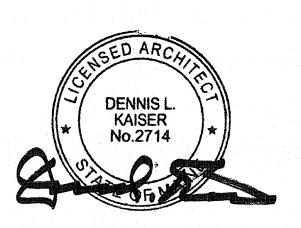
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Revisions

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1	ISSUED FOR BID	07.11.2014
NO	ISSUE	DATE
	Sheet In	formation
Date	AUG	UST 11, 2014
Job		152168.010
Drav	vn	Author
Cho	cked	Checker

INTERIOR **PARTITION TYPE** CHARTS

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