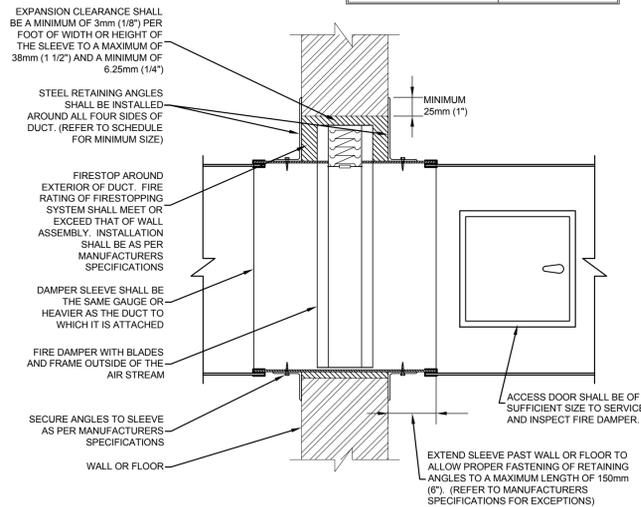
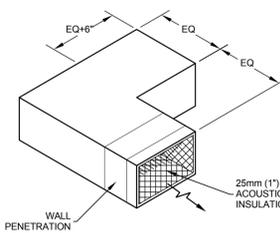


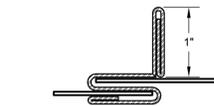
RETAINING ANGLES SIZE	SIZE OF FIRE DAMPER
38mm (1 1/2") X 38 (1 1/2") X 16 GAUGE	UNDER 2250mm (90") IN HEIGHT OR WIDTH
50mm (2") X 50mm (2") X 10 GAUGE	OVER 2250mm (90") IN HEIGHT OR WIDTH



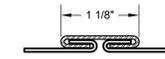
FIRE DAMPER - FUSIBLE LINK
 SCALE: N.T.S.



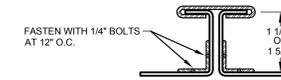
ACOUSTIC ELBOW DETAIL
 SCALE: N.T.S.



REINFORCED 'S' STRIP (BAR SLIP)



DRIVE SLIP JOINT



- 1 1/2" x 1 1/2" x 1/8" ANGLE ONE SIDE ON 61° TO 90°
 - 1 1/2" x 1 1/2" x 1/8" ANGLE BOTH SIDES ON 91° AND WIDER

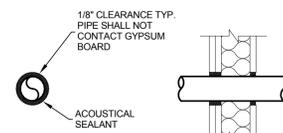
'T' JOINT

LOW PRESSURE DUCT

MAX. SIDE *	GAUGE	MAX. LENGTH	TRANSVERSE JOINT	BRACING ANGLE
UP TO 12"	26	94"	REINF. 'S' & DRIVE SLIP	NONE
13" TO 24"	24	94"	REINF. 'S' & DRIVE SLIP	NONE
25" TO 30"	24	45"	1 1/8" 'T'	NONE
31" TO 40"	22	45"	1 1/8" 'T'	NONE
41" TO 60"	22	44"	1 5/8" 'T'	NONE
61" TO 90"	20	44"	1 5/8" 'T'	1 1/2" x 1 1/2" x 1/8"
91" & WIDER	18	44"	1 5/8" 'T'	1 1/2" x 1 1/2" x 1/8"

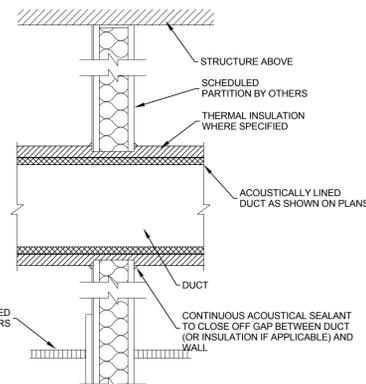
* BRACING ANGLE IRON BETWEEN JOINTS

LOW PRESSURE DUCTWORK - GAUGE SCHEDULE
 SCALE: N.T.S.



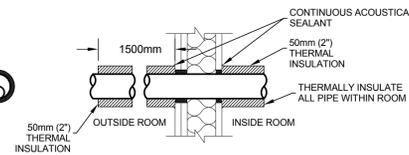
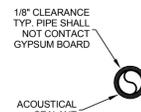
1/8" CLEARANCE TYP. PIPE SHALL NOT CONTACT GYPSUM BOARD
 ACOUSTICAL SEALANT
 PENETRATIONS OF ACOUSTICAL PARTITIONS BY PIPES SHALL BE ACOUSTICALLY SEALED AS SHOWN. ALL GAPS LARGER THEN 1/2" SHALL BE COVERED WITH GYPSUM BOARD, LAPPED A MINIMUM OF 2" AND SCREWED BEFORE USING ACOUSTICAL SEALANT, BY OTHERS. DETAIL SIMILAR FOR DOUBLE STUD PARTITION.

PIPE PENETRATION



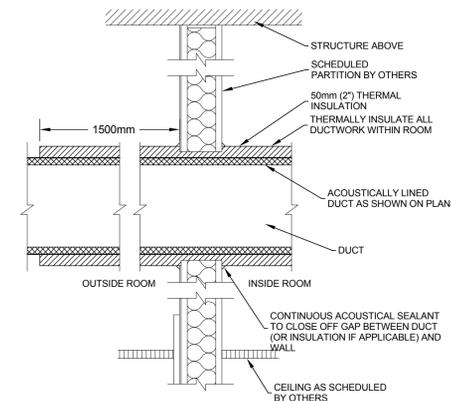
PENETRATIONS OF ACOUSTICAL PARTITIONS BY DUCTWORK SHALL BE ACOUSTICALLY SEALED AS SHOWN. ALL GAPS LARGER THEN 1/2" SHALL BE COVERED WITH GYPSUM BOARD, LAPPED A MINIMUM OF 2" AND SCREWED BEFORE USING ACOUSTICAL SEALANT, BY OTHERS.

PIPE DUCT PENETRATION DETAIL - STC 45 AND LOWER
 SCALE: N.T.S.



PENETRATIONS OF ACOUSTICAL PARTITIONS BY PIPES SHALL BE ACOUSTICALLY SEALED AS SHOWN. ALL GAPS LARGER THEN 1/2" SHALL BE COVERED WITH GYPSUM BOARD, LAPPED A MINIMUM OF 2" AND SCREWED BEFORE USING ACOUSTICAL SEALANT, BY OTHERS. DETAIL SIMILAR FOR DOUBLE STUD PARTITION.

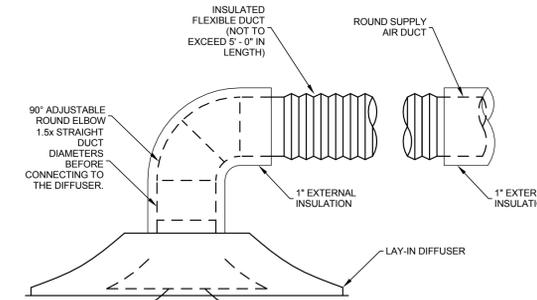
PIPE PENETRATION



PENETRATIONS OF ACOUSTICAL PARTITIONS BY DUCTWORK SHALL BE ACOUSTICALLY SEALED AS SHOWN. ALL GAPS LARGER THEN 1/2" SHALL BE COVERED WITH GYPSUM BOARD, LAPPED A MINIMUM OF 2" AND SCREWED BEFORE USING ACOUSTICAL SEALANT, BY OTHERS.

PIPE DUCT PENETRATION DETAIL - STC HIGHER THEN 45
 SCALE: N.T.S.

NOTE: FLEX DUCT SHALL NOT BE USED IN ELBOWS



SQUARE DIFFUSER INSTALLATION DETAIL
 SCALE: N.T.S.



epp siepman engineering inc.
 mechanical & electrical engineers
 303-100 Osborne St. South
 Winnipeg, MB R3L 1Y5
 p 204.453.1080
 ese@eppsiepman.com

O 16-03-31 Issued for Construction
 revision

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OWNER

 CITY OF WINNIPEG - PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3rd FLOOR - 65 GARRY ST., WPG, R3C 4K4



David Penner, 204.475.8978
 Hello Rodrigues, 204.774.0012
 120 Yale Avenue, Winnipeg, MB, R3M 0L7

PROJECT
 Windsor Park Library
ADDRESS
 1201 Archibald Street

DATE
 February 28, 2016

SCALE
 12" = 1'-0"