



**AIRPORT LAND USE  
 SOUND ATTENUATION FORM**

City of Houston

**GENERAL**

This form is to assist in the plan review, permit and inspection process for those properties that have been required by the Airport Land Use ordinance to meet sound attenuation requirements. This form is to be completed by the designer or builder to ensure that either the prescriptive code requirements are met or an approved assembly is utilized to meet the requirements in the building code.

**DEFINITION**

Sound Transmission Class (STC) – an integer rating relating to the quality of sound attenuation for building partitions such as walls, ceilings, doors, and windows.

**PART I PRESCRIPTIVE REQUIREMENTS** – Check the appropriate box to indicate the applicable assembly or complete Part II. Ensure that the accompanying building plans indicate that same information as provided on this form.

WINDOWS	DOORS
<input type="checkbox"/> STC – 40 or higher (supply data at inspection)	<input type="checkbox"/> STC – 40 or higher (supply data at inspection)
<input type="checkbox"/> Foam/fiberglass insulation between framing	
<input type="checkbox"/> N/A - No windows affected in project	<input type="checkbox"/> N/A - No doors affected in project

**WALLS**

- Brick veneer – install with minimum ½ in. gypsum drywall on the interior side
- Vinyl or cement siding – install with a minimum 5/8 in. gypsum drywall on the interior side
- Other exterior veneer – Complete Part II.
- N/A - No walls affected in project

**ROOF/CEILING ASSEMBLY**

- Unconditioned attic space above ceiling – install with a minimum ½ in. gypsum drywall on the interior ceiling side and a minimum 12 in. blown in fiberglass insulation
- No attic space above ceiling – install with a minimum 5/8 in. gypsum drywall on the interior ceiling side and a minimum 9 in. fiberglass batt insulation with a 1 in. air space between roof sheathing and fiberglass
- Other roof/ceiling assembly – Complete Part II.
- N/A – No roof/ceiling assembly affected in project

**PART II OTHER ASSEMBLIES** – Complete this part when assemblies other than the above are used to demonstrate compliance. All assemblies must meet an STC rating of 40 or greater. When utilizing a tested assembly please indicate. This section is not applicable to doors and windows.

ASSEMBLY TYPE	INDICATE CONSTRUCTION MANNER OR TESTED ASSEMBLY	STC RATING	REF. SHEET NO. (IN PLANS)
<i>Example wall</i>	<i>Example: double layer of 1/2" drywall on each side, wood studs, batt insulation in wall from U.S. Gypsum Association</i>	45	Sheet A.5

**STATEMENT OF ACKNOWLEDGMENT**

I, \_\_\_\_\_, the \_\_\_\_\_ of this project understand that the above stated provisions will be installed during construction in conformance with the Building Code. X \_\_\_\_\_

(NAME) (RELATIONSHIP TO PROJECT/PROPERTY) (SIGNATURE OF RESPONSIBLE PARTY)