|  |  |  |  |
| --- | --- | --- | --- |
| Class | Member | Syntax | Note |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Wall | Property | public [**bool**](http://msdn2.microsoft.com/en-us/library/a28wyd50) **Flipped** { get; } |  |
| Wall | Property | public [**bool**](http://msdn2.microsoft.com/en-us/library/a28wyd50) **IsStackedWall** { get; } |  |
| Wall | Property | public [**bool**](http://msdn2.microsoft.com/en-us/library/a28wyd50) **Pinned** { get; set; } |  |
| Wall | Property | public [**double**](http://msdn2.microsoft.com/en-us/library/643eft0t) **Width** { get; } |  |
| Wall | Property | public [**ElementId**](http://www.revitapidocs.com/2017.1/44f3f7b1-3229-3404-93c9-dc5e70337dd6.htm) **LevelId** { get; } |  |
| Wall | Property | public virtual [**Location**](http://www.revitapidocs.com/2017.1/3dbe57e5-fdea-5bf9-c715-52653f56073f.htm) **Location** { get; } |  |
| Wall | Property | public [**WallType**](http://www.revitapidocs.com/2017.1/aa685433-b426-5e4f-bee1-e3487bb59518.htm) **WallType** { get; set; } |  |
| Wall | Method | public void **Flip**() |  |
| Wall | Method | public static [**Wall**](http://www.revitapidocs.com/2017.1/b5891733-c602-12df-beab-da414b58d608.htm) **Create**(  [**Document**](http://www.revitapidocs.com/2017.1/db03274b-a107-aa32-9034-f3e0df4bb1ec.htm) *document*,  [**Curve**](http://www.revitapidocs.com/2017.1/400cc9b6-9ff7-de85-6fd8-c20002209d25.htm) *curve*,  [**ElementId**](http://www.revitapidocs.com/2017.1/44f3f7b1-3229-3404-93c9-dc5e70337dd6.htm) *wallTypeId*,  [**ElementId**](http://www.revitapidocs.com/2017.1/44f3f7b1-3229-3404-93c9-dc5e70337dd6.htm) *levelId*,  [**double**](http://msdn2.microsoft.com/en-us/library/643eft0t) *height*,  [**double**](http://msdn2.microsoft.com/en-us/library/643eft0t) *offset*,  [**bool**](http://msdn2.microsoft.com/en-us/library/a28wyd50) *flip*,  [**bool**](http://msdn2.microsoft.com/en-us/library/a28wyd50) *structural*  ) |  |
|  |  |  |  |
| WallType | Method | public [**CompoundStructure**](http://www.revitapidocs.com/2017.1/dc1a081e-8dab-565f-145d-a429098d353c.htm) **GetCompoundStructure**() |  |
| WallType | Method | public [**ElementType**](http://www.revitapidocs.com/2017.1/ffb18296-0448-559c-580c-7857cbcdc094.htm) **Duplicate**(  [**string**](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) *name*  ) |  |
|  |  |  |  |
| CompoundStructure | Method | public [**IList**](http://msdn2.microsoft.com/en-us/library/5y536ey6)<**[CompoundStructureLayer](http://www.revitapidocs.com/2017.1/faece83a-6d49-41b0-2713-fe6cfaa5a3b5.htm)**> **GetLayers**() |  |
| CompoundStructure | Method | public [**double**](http://msdn2.microsoft.com/en-us/library/643eft0t) **GetLayerWidth**(  [**int**](http://msdn2.microsoft.com/en-us/library/td2s409d) *layerIdx*  ) |  |
| CompoundStructure | Method | public [**ElementId**](http://www.revitapidocs.com/2017.1/44f3f7b1-3229-3404-93c9-dc5e70337dd6.htm) **GetMaterialId**(  [**int**](http://msdn2.microsoft.com/en-us/library/td2s409d) *layerIdx*  ) |  |
| CompoundStructure | Method | public [**MaterialFunctionAssignment**](http://www.revitapidocs.com/2017.1/1cbeb006-f7a2-f6d2-491f-faa0b9a006fc.htm) **GetLayerFunction**(  [**int**](http://msdn2.microsoft.com/en-us/library/td2s409d) *layerIdx*  ) |  |
|  |  |  |  |
| CompoundStructureLayer | Properties | public [**MaterialFunctionAssignment**](http://www.revitapidocs.com/2017.1/1cbeb006-f7a2-f6d2-491f-faa0b9a006fc.htm) **Function** { get; set; } |  |
| CompoundStructureLayer | Properties | public [**int**](http://msdn2.microsoft.com/en-us/library/td2s409d) **LayerId** { get; } |  |
| CompoundStructureLayer | Properties | public [**ElementId**](http://www.revitapidocs.com/2017.1/44f3f7b1-3229-3404-93c9-dc5e70337dd6.htm) **MaterialId** { get; set; } |  |
| CompoundStructureLayer | Properties | public [**double**](http://msdn2.microsoft.com/en-us/library/643eft0t) **Width** { get; set; } |  |
|  |  |  |  |
| LocationCurve | Properties | public [**Curve**](http://www.revitapidocs.com/2017.1/400cc9b6-9ff7-de85-6fd8-c20002209d25.htm) **Curve** { get; set; } |  |
|  |  |  |  |
| Curve | Method | public [**XYZ**](http://www.revitapidocs.com/2017.1/c2fd995c-95c0-58fb-f5de-f3246cbc5600.htm) **GetEndPoint**(  [**int**](http://msdn2.microsoft.com/en-us/library/td2s409d) *index*  ) |  |
| Curve | Method | public [**Curve**](http://www.revitapidocs.com/2017.1/400cc9b6-9ff7-de85-6fd8-c20002209d25.htm) **CreateOffset**(  [**double**](http://msdn2.microsoft.com/en-us/library/643eft0t) *offsetDist*,  [**XYZ**](http://www.revitapidocs.com/2017.1/c2fd995c-95c0-58fb-f5de-f3246cbc5600.htm) *referenceVector*  ) |  |
|  |  |  |  |
| Material | Properties | public virtual [**string**](http://msdn2.microsoft.com/en-us/library/s1wwdcbf) **Name** { get; set; } |  |

**try**:  
    # Duplicate WallType  
    **for** walltype **in** walltypes:  
        **for**   
  
  
**except**:  
    pass