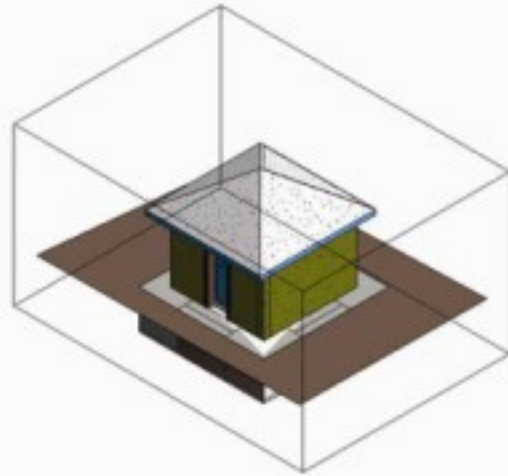


QTO
from
Revit
to
BuildSystem
for
Estimating



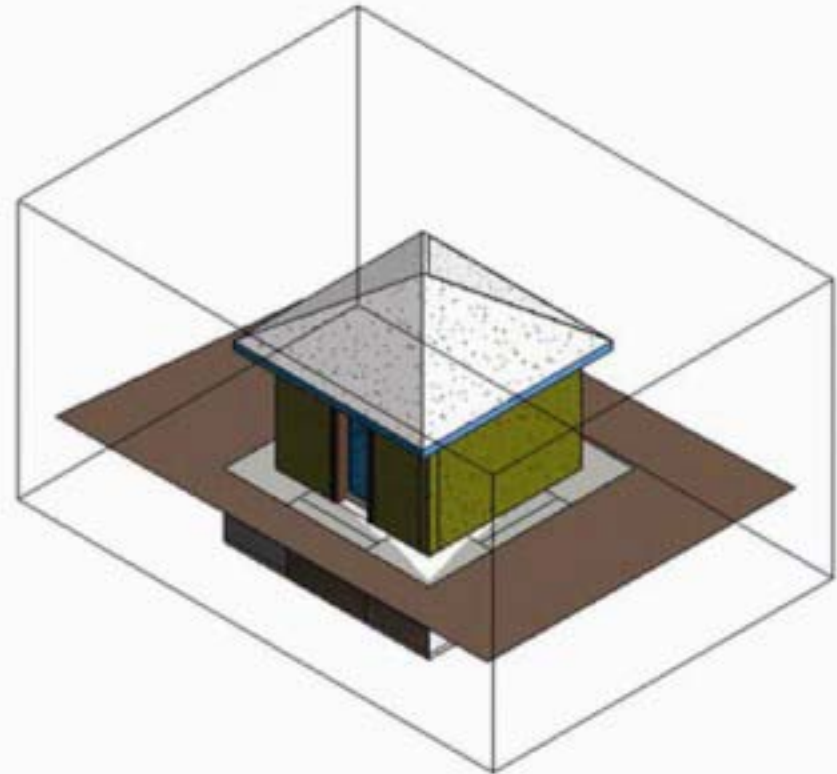
Change Room

for a

Swimming Pool

at a

Farm House



3D Model of Change Room in Revit

Autodesk Revit Architecture 2011 - [Y IPMG Sample_Wo...]

Home Insert Annotate Structure Massing & Site Collaborate View Manage Modify

Modify Wall Door Window Component Column Roof Ceiling Floor Curtain System Curtain Grid Mullion Model Text Model Line Model Group Railing Ramp Stairs By Face Shaft Vertical Wall Grid Room Area Set Legend Tag Ref Plane Show

3D View: (3D) Edit Type

Graphics

View Scale	1/8" = 1'-0"
Scale Value	96
Detail Level	Medium
Visibility/Graphics Overl...	Edg...
Visual Style	Shaded with Edges
Graphic Display Options	Edg...
Discipline	Architectural
Analysis Display Style	None
Sun Path	<input type="checkbox"/>

Properties help Apply

Y IPMG Sample_Working.rvt - Project Browser

- Rebar
- (3D)
- Elevations (Building Elevation)
- Sections (Building Section)
- Legends
- Schedules/Quantities
 - Bal Multi-Cat Mat Takeoff Cubic Feet DD
 - Bal Multi-Cat Mat Takeoff SQM dd
 - Multi-Cat Mat Takeoff SQM
 - Multi-Cat Mat Takeoff Cubic Meter
 - OK Fixture-Schedule
 - OK Multi-Cat Mat Takeoff SQM dd
 - OK Multi-Cat Mat Takeoff Cubic Feet DD
- Rebar Schedule
- Sheets (all)

1/8" = 1'-0"

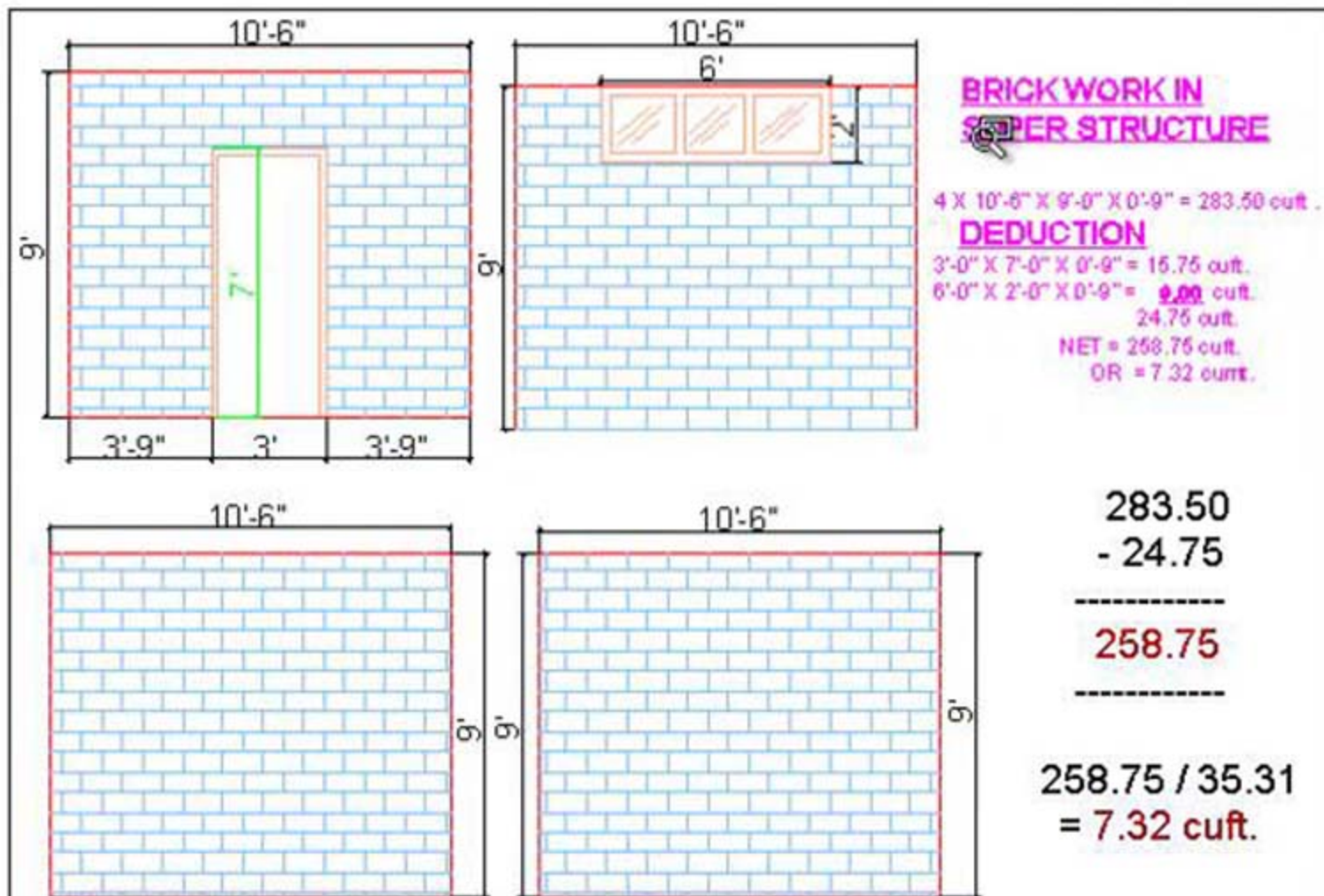
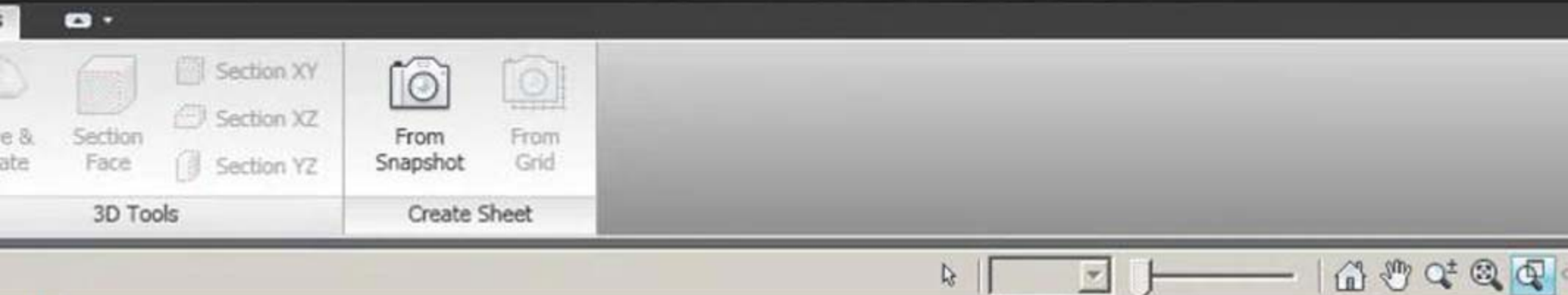
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.

Main Model Press & Drag

Start ocl1-Model.dwf - Autod... Autodesk Revit Archi... Cantasia Studio - Untitle... Recording... 4:18 PM

Brick Work Calculation using AutoCAD 2D Drawing

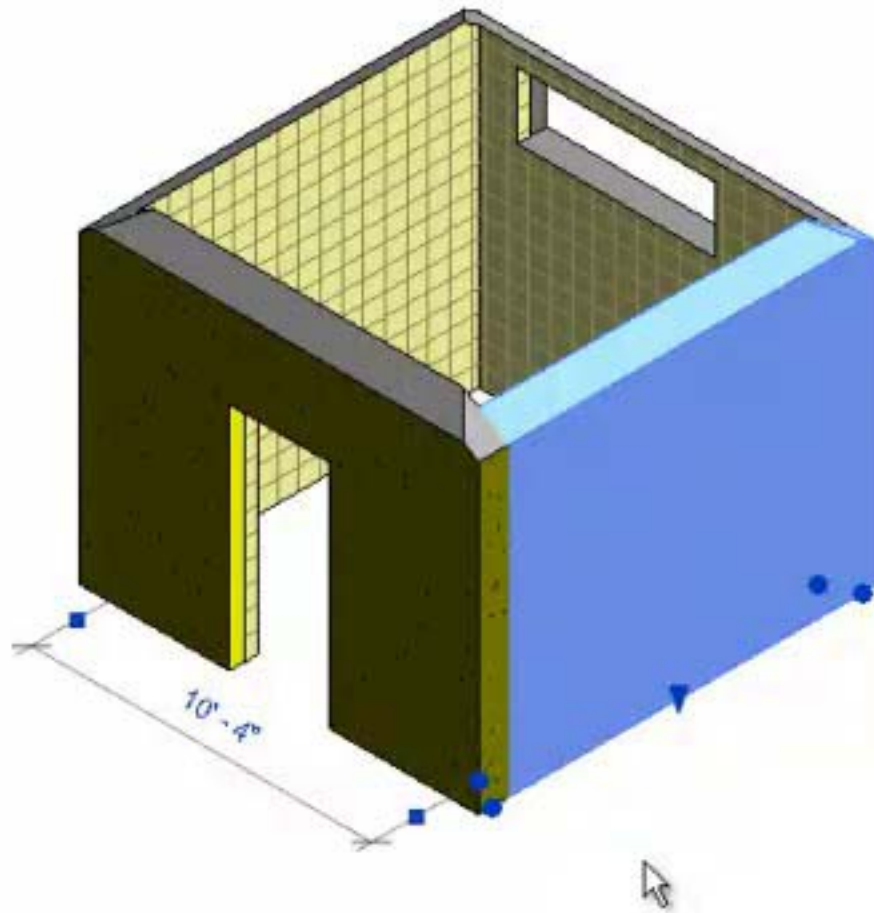
Autodesk Design Review 2011 oc11-Model.dwf



Brick Work Model in Revit

File | Edit | View | Manage | Modify | Modify Material Layout |

hide All
Highlight in Model
Element



Automatic Quantity Take-off in Items of Work with 13-Digit Codes in Revit

All	in Model
is	Element

OK Multi-Cat Mat Takeoff Cubic Feet DD											
S.NO.	Dwg.No.	IPMG L4 CODE	IPMG L5 Code	L4 TITLE	Material	Unit	L	B	H	Material: Volume	Material
Earth work in excavation in foundation trenches or drains,lift upto 1.5 m, lead of 50 m : all types of soil											
3	3	31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM		6' 3"	3'	3'	6.37 m ³	1
3	3	31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM		5'	5'	5'	14.16 m ³	1
P.L. cement concrete with coarse sand,aggregate 40mm in foundation & footings of mix : 1:5:10											
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM				6"	1.46 m ³	1
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM		10' 6"	10' 6"	1.5"	0.39 m ³	1
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM		16'3"		6"	2.48 m ³	1
Brick work including scaffolding in cement mortar 1:6 in Foundation and plinths 1.5 m below and upto 1.2 m											
5	5	04 21 13 46	04 21 13 46 10005	Brick Work, Conventional Bricks	CUM		45			4.76 m ³	1
Providing clean fine sand fill under floors, pavings and similar locations,laid to required depth											
10	10	31 23 23 17	31 23 23 17 10010	Fill	CUM		10' 2"	10' 2"	6"	1.46 m ³	1
Brick work including scaffolding in cement mortar 1:6 in Superstructures upto 20.0 m above plinth level											
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM		10'6"	9' 0"	9'	2.28 m ³	1
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM		10'6"		9'	1.89 m ³	1
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM		10'6"		9'	1.95 m ³	1
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM		10'6"	9' 0"	9'	2.27 m ³	1
P.L. specified mix RCC (1:2:4) In foundation and plinth (1.5 m below upto 1.2 m above G.L.)											
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM				1	0.91 m ³	1
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM				1	0.91 m ³	1
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM				1	0.91 m ³	1
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM				1	0.91 m ³	1

Grand total: 15

Total Brick Work Volume $2.28 + 1.89 + 1.95 + 2.27 = 8.39 \text{ cum}$

Difference in Quantity Take-off using Revit and AutoCAD

DIFFER

OK Multi-Cat Mat Takeoff Cubic Feet DD

S.NO.	Dwg.No.	IPMG L4 CODE	IPMG L5 Code	L4 TITLE	Material Unit	L	B	H	Material Volume	Material
Earth work in excavation in foundation trenches or drains, lift upto 1.5 m, lead of 50 m : all types of soil										
3	3	31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM	6' 3"	3'	3'	6.37 m ³	1
3	3	31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM	5'	5'	5'	14.16 m ³	1
P/L cement concrete with coarse sand, aggregate 40mm in foundation & footings of mix : 1:5:10										
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM			6"	1.46 m ³	1
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM	10' 6"	10' 6"	1.5"	0.39 m ³	1
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM	16'3"		6"	2.48 m ³	1
Brick work including scaffolding in cement mortar 1:6 in Foundation and plinths 1.5 m below and upto 1.2 m										
5	5	04 21 13 46	04 21 13 46 10005	Brick Work, Conventional Bricks	CUM	45			4.76 m ³	1
Providing clean fine sand fill under floors, pavings and similar locations, laid to required depth										
10	10	31 23 23 17	31 23 23 17 10010	Fill	CUM	10' 2"	10' 2"	6"	1.46 m ³	1
Brick work including scaffolding in cement mortar 1:6 in Superstructures upto 20.0 m above plinth level										
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"	9' 0"	9"	2.28 m ³	1
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"		9"	1.89 m ³	1
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"		9"	1.95 m ³	1
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"	9' 0"	9"	2.27 m ³	1
P/L specified mix RCC (1:2:4) In foundation and plinth (1.5 m below upto 1.2 m above G.L.)										
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM			1	0.91 m ³	1
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM			1	0.91 m ³	1
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM			1	0.91 m ³	1
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM			1	0.91 m ³	1

Grand total: 15

Revit Brick Work Quantity

8.39

Excel Brick Work Quantity

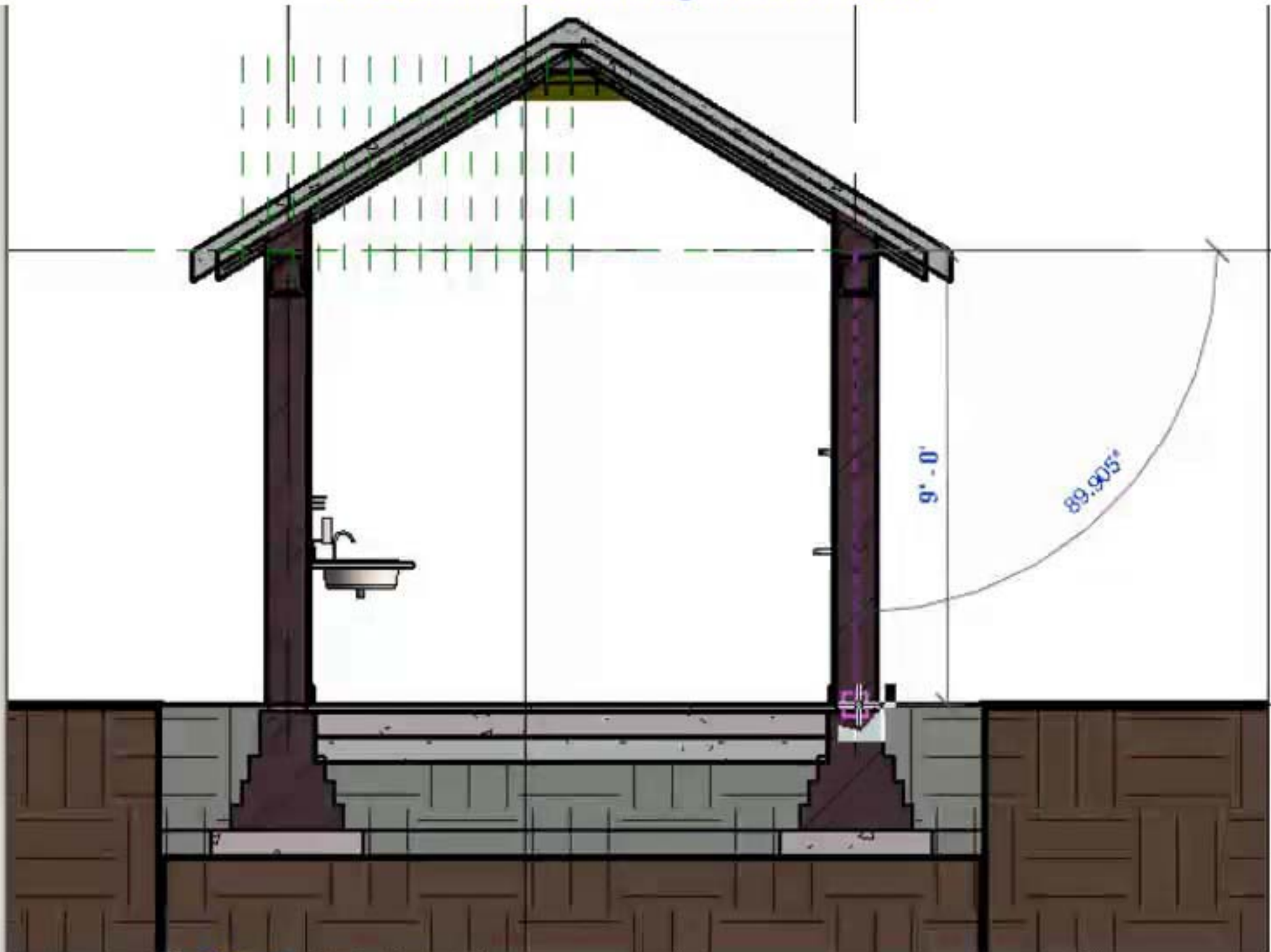
- 7.32

Difference

= 1.07 cum



Sectional View of Change Room in Revit

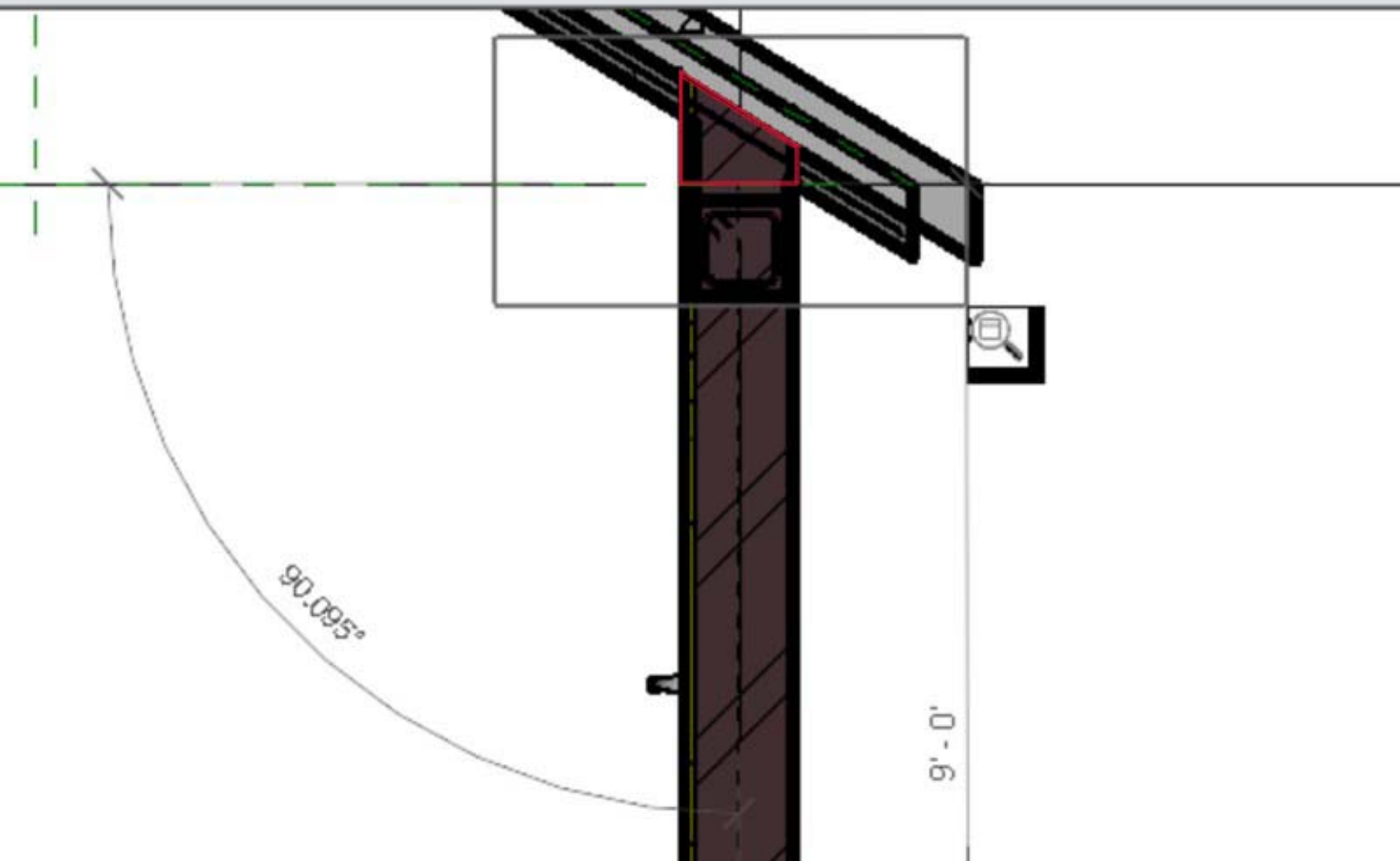


1/8" = 1'-0"



Difference of 1.07 cum - Marked Brick Work Section not Considered in Calculation

	Model	Circulation	Opening	Datum
--	-------	-------------	---------	-------



Expanding Brick Work Wall to Show Automatic Increase in Quantity



Properties Panel

Masonry

Finish Face: Exterior

Level 1

2 13/32"

0"

to level: Level 1

2 13/32"

0"

Apply

Project Browser

(Elevation)

(Section)

coeff Cubic Feet DD

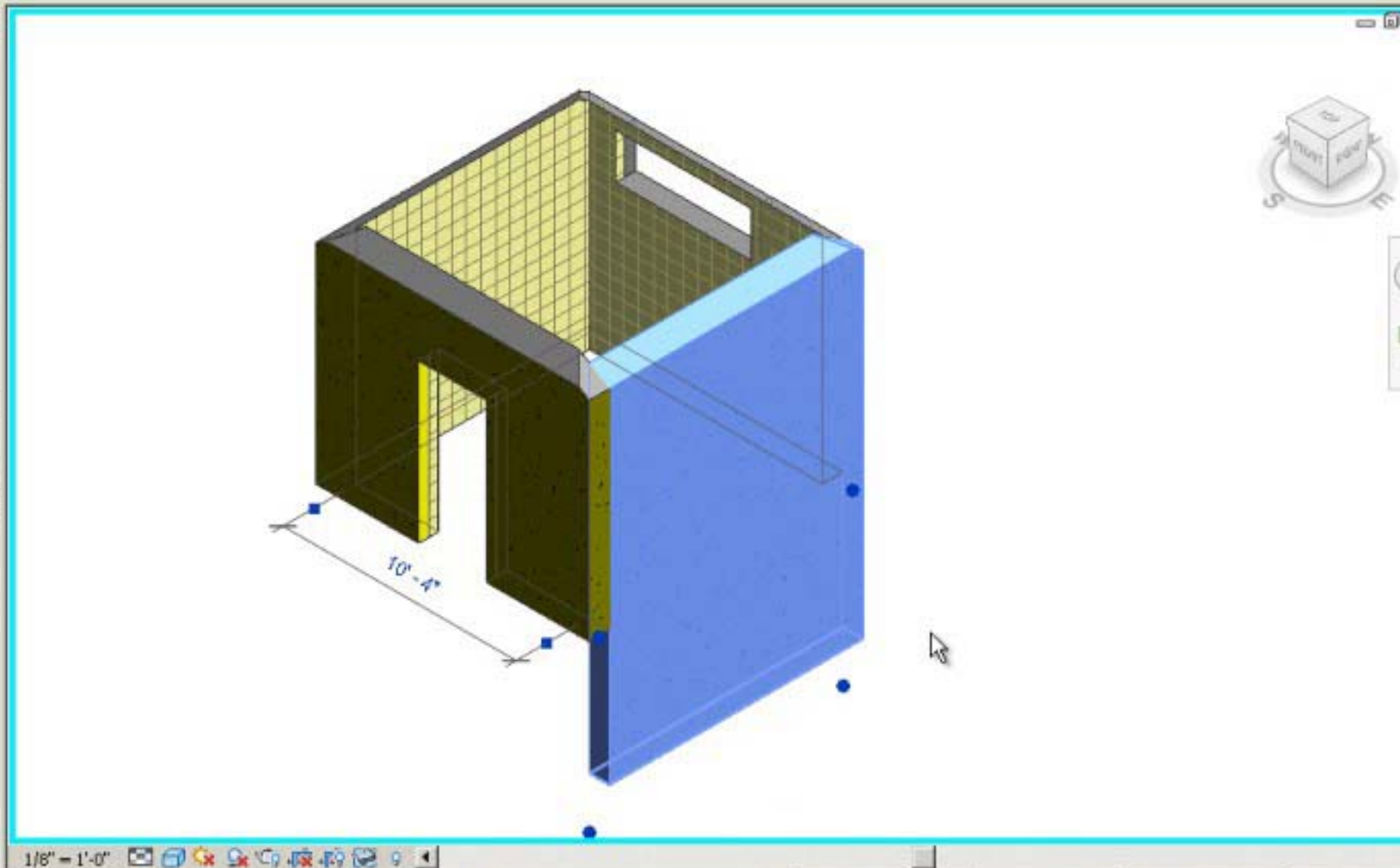
coeff SQM dd

f SQM

f Cubic Meter

coeff SQM dd

coeff Cubic Feet DD



Relative Increase from 2.27 to 4.23 cum in Brickwork Quantity

Highlight in Model

Element

OK Multi-Cat Mat Takeoff Cubic Feet DD

S.NO.	Dwg.No.	IPMG L4 CODE	IPMG L5 Code	L4 TITLE	Material: Unit	L	B	H	Material: Volume	Mat
Earth work in excavation in foundation trenches or drains, lift upto 1.5 m, lead of 50 m : all types of soil										
3	3	31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM	6' 3"	3'	3'	6.37 m ³	1
3	3	31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM	5'	5'	5'	14.16 m ³	1
P/L cement concrete with coarse sand, aggregate 40mm in foundation & footings of mix : 1:5:10										
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM			6"	1.46 m ³	1
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM	10' 6"	10' 6"	1.5"	0.39 m ³	1
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM	16'3"		6"	2.48 m ³	1
Brick work including scaffolding in cement mortar 1:6 in Foundation and plinths 1.5 m below and upto 1.2 m										
5	5	04 21 13 46	04 21 13 46 10005	Brick Work, Conventional Bricks	CUM	45			4.76 m ³	1
Providing clean fine sand fill under floors, pavings and similar locations, laid to required depth										
10	10	31 23 23 17	31 23 23 17 10010	Fill	CUM	10' 2"	10' 2"	6"	1.46 m ³	1
Brick work including scaffolding in cement mortar 1:6 in Superstructures upto 20.0 m above plinth level										
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"	9' 0"	9"	2.28 m ³	1
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"		9"	1.89 m ³	1
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"		9"	1.95 m ³	1
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"	9' 0"	9"	4.23 m ³	1
P/L specified mix RCC (1:2:4) in foundation and plinth (1.5 m below upto 1.2 m above G.L.)										
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM			1	0.91 m ³	1
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM			1	0.91 m ³	1
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM			1	0.91 m ³	1
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM			1	0.91 m ³	1



Grand total: 15

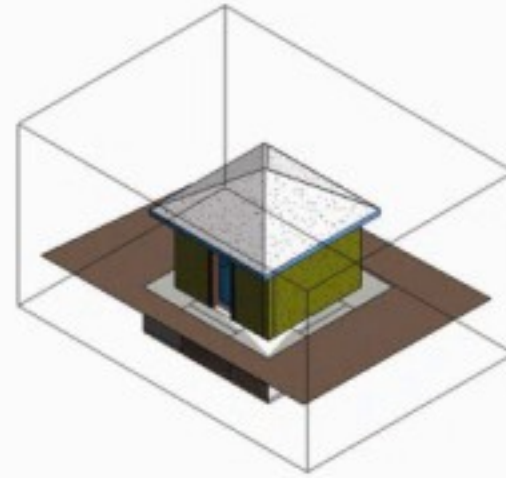
QTO

from

Revit

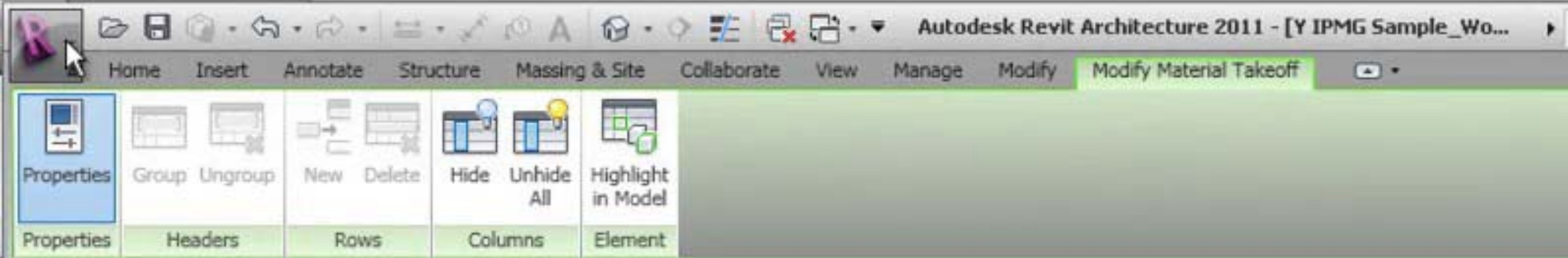
to

Excel Sheet

A screenshot of an Excel spreadsheet showing a list of items. The columns are labeled "No.", "Qty", "Description", "Unit", "Price", and "Amount". The data includes various items such as "Steel reinforcement bars", "Concrete", and "Bricks". The spreadsheet is titled "QTO" and has a date of "10/10/2017".

No.	Qty	Description	Unit	Price	Amount
1	10	Steel reinforcement bars	kg	12000	120000
2	5	Concrete	m ³	2000	10000
3	100	Bricks	1000	10000	1000000
4	10	Steel reinforcement bars	kg	12000	120000
5	5	Concrete	m ³	2000	10000
6	100	Bricks	1000	10000	1000000
7	10	Steel reinforcement bars	kg	12000	120000
8	5	Concrete	m ³	2000	10000
9	100	Bricks	1000	10000	1000000
10	10	Steel reinforcement bars	kg	12000	120000
11	5	Concrete	m ³	2000	10000
12	100	Bricks	1000	10000	1000000
13	10	Steel reinforcement bars	kg	12000	120000
14	5	Concrete	m ³	2000	10000
15	100	Bricks	1000	10000	1000000
16	10	Steel reinforcement bars	kg	12000	120000
17	5	Concrete	m ³	2000	10000
18	100	Bricks	1000	10000	1000000
19	10	Steel reinforcement bars	kg	12000	120000
20	5	Concrete	m ³	2000	10000
21	100	Bricks	1000	10000	1000000
22	10	Steel reinforcement bars	kg	12000	120000
23	5	Concrete	m ³	2000	10000
24	100	Bricks	1000	10000	1000000
25	10	Steel reinforcement bars	kg	12000	120000
26	5	Concrete	m ³	2000	10000
27	100	Bricks	1000	10000	1000000
28	10	Steel reinforcement bars	kg	12000	120000
29	5	Concrete	m ³	2000	10000
30	100	Bricks	1000	10000	1000000
31	10	Steel reinforcement bars	kg	12000	120000
32	5	Concrete	m ³	2000	10000
33	100	Bricks	1000	10000	1000000
34	10	Steel reinforcement bars	kg	12000	120000
35	5	Concrete	m ³	2000	10000
36	100	Bricks	1000	10000	1000000
37	10	Steel reinforcement bars	kg	12000	120000
38	5	Concrete	m ³	2000	10000
39	100	Bricks	1000	10000	1000000
40	10	Steel reinforcement bars	kg	12000	120000
41	5	Concrete	m ³	2000	10000
42	100	Bricks	1000	10000	1000000
43	10	Steel reinforcement bars	kg	12000	120000
44	5	Concrete	m ³	2000	10000
45	100	Bricks	1000	10000	1000000
46	10	Steel reinforcement bars	kg	12000	120000
47	5	Concrete	m ³	2000	10000
48	100	Bricks	1000	10000	1000000
49	10	Steel reinforcement bars	kg	12000	120000
50	5	Concrete	m ³	2000	10000
51	100	Bricks	1000	10000	1000000
52	10	Steel reinforcement bars	kg	12000	120000
53	5	Concrete	m ³	2000	10000
54	100	Bricks	1000	10000	1000000
55	10	Steel reinforcement bars	kg	12000	120000
56	5	Concrete	m ³	2000	10000
57	100	Bricks	1000	10000	1000000
58	10	Steel reinforcement bars	kg	12000	120000
59	5	Concrete	m ³	2000	10000
60	100	Bricks	1000	10000	1000000
61	10	Steel reinforcement bars	kg	12000	120000
62	5	Concrete	m ³	2000	10000
63	100	Bricks	1000	10000	1000000
64	10	Steel reinforcement bars	kg	12000	120000
65	5	Concrete	m ³	2000	10000
66	100	Bricks	1000	10000	1000000
67	10	Steel reinforcement bars	kg	12000	120000
68	5	Concrete	m ³	2000	10000
69	100	Bricks	1000	10000	1000000
70	10	Steel reinforcement bars	kg	12000	120000
71	5	Concrete	m ³	2000	10000
72	100	Bricks	1000	10000	1000000
73	10	Steel reinforcement bars	kg	12000	120000
74	5	Concrete	m ³	2000	10000
75	100	Bricks	1000	10000	1000000
76	10	Steel reinforcement bars	kg	12000	120000
77	5	Concrete	m ³	2000	10000
78	100	Bricks	1000	10000	1000000
79	10	Steel reinforcement bars	kg	12000	120000
80	5	Concrete	m ³	2000	10000
81	100	Bricks	1000	10000	1000000
82	10	Steel reinforcement bars	kg	12000	120000
83	5	Concrete	m ³	2000	10000
84	100	Bricks	1000	10000	1000000
85	10	Steel reinforcement bars	kg	12000	120000
86	5	Concrete	m ³	2000	10000
87	100	Bricks	1000	10000	1000000
88	10	Steel reinforcement bars	kg	12000	120000
89	5	Concrete	m ³	2000	10000
90	100	Bricks	1000	10000	1000000
91	10	Steel reinforcement bars	kg	12000	120000
92	5	Concrete	m ³	2000	10000
93	100	Bricks	1000	10000	1000000
94	10	Steel reinforcement bars	kg	12000	120000
95	5	Concrete	m ³	2000	10000
96	100	Bricks	1000	10000	1000000
97	10	Steel reinforcement bars	kg	12000	120000
98	5	Concrete	m ³	2000	10000
99	100	Bricks	1000	10000	1000000
100	10	Steel reinforcement bars	kg	12000	120000

Take-off Sheet of Change Room Project in Revit



Modify Material Takeoff

Properties

Schedule: OK Multi-Cat Mat Takeoff C Edit Type

Identity Data

View Name: OK Multi-Cat Mat Takeoff...

Dependency: Independent

Default View Template: None

Phasing

Phase Filter: Show All

Phase: New Construction

Other

Fields: Edit...

Filter: Edit...

Properties help

Apply

Y IPMG Sample_Working.rvt - Project Browser

- Rebar
- {3D}
- Elevations (Building Elevation)
- Sections (Building Section)
- Legends

OK Multi-Cat Mat Takeoff Cubic Feet DD					
S.NO.	Dwg.No.	IPMG L4 CODE	IPMG L5 Code	L4 TITLE	Material. Un
Earth work in excavation in foundation trenches or drains, lift upto 1.5 m, lead of 50 m : all types of soil					
3	3	31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM
3	3	31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM
PAL cement concrete with coarse sand, aggregate 40mm in foundation & footings of mix : 1:5:10					
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM
4	4	03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM
Brick work including scaffolding in cement mortar 1:6 in Foundation and plinths 1.5 m below and upto 1.2 m					
5	5	04 21 13 46	04 21 13 46 10005	Brick Work, Conventional Bricks	CUM
Providing clean fine sand fill under floors, pavings and similar locations, laid to required depth					
10	10	31 23 23 17	31 23 23 17 10010	Fill	CUM
Brick work including scaffolding in cement mortar 1:6 in Superstructures upto 20.0 m above plinth level					
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM
11	11	04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM
PAL specified mix RCC (1:2:4) in foundation and plinth (1.5 m below upto 1.2 m above G.L.)					
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM
16	16	03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM

Grand total: 15

Export of Take-off Sheet

New

Open

Save

Save As

Export

Publish

Print

Licensing

Recent Documents

By Ordered List

View Manage Modify **Modify Material T**

OK Multi-

IMG L4 CODE	IPMG L5 Code	
		on in foundation trenches or drains,lift upto 1.5 m, lea
3 16 13	31 23 16 13 10005	Excavating, Tre
3 16 13	31 23 16 13 10005	Excavating, Tre
		with coarse sand,aggregate 40mm in foundation & foot
	0 10005	Concrete Field
	0 10005	Concrete Field
	0 10005	Concrete Field
		including in cement mortar 1:6 in Foundation and plint
1 13 46	04 21 13 46 10005	Brick Work, Cor
		nd fill under floors, pavings and similar locations,laid to
3 23 17	31 23 23 17 10010	Fill
		scaffolding in cement mortar 1:6 in Superstructures up
1 13 46	04 21 13 46 10010	Brick Work, Cor
1 13 46	04 21 13 46 10010	Brick Work, Cor
1 13 46	04 21 13 46 10010	Brick Work, Cor
1 13 46	04 21 13 46 10010	Brick Work, Cor
		(1:2:4) In foundation and plinth (1.5 m below upto 1.2
1 05 31	03 31 05 31 10005	Reinforcement
1 05 31	03 31 05 31 10005	Reinforcement

Schedule

Room/Area Report

Save Take-off Sheet in Text File

Hide Unhide Highlight
All in Model
Columns Element

Export Schedule [?] [X]

Save in: Desktop

Name ^	Size	Type	Date Modified
My Documents		System Folder	
My Computer		System Folder	
My Network Places		System Folder	
Desktop data		File Folder	5/20/2011 4:18 PM
OK Multi-Cat Mat Takeoff Cub...	6 KB	Text Document	5/23/2011 4:04 PM

File name: new OK Multi-Cat Mat Takeoff Cubic Feet DD.txt

Files of type: Delimited text (*.txt)

Tools [v] Save Cancel

Take-off Sheet in Notepad

My Documents CostWorks Adobe Reader new OK
9 Multi-Cat M...

My Computer Free TypingTest
My Network Places Google Earth CPU
Recycle Bin Kundli-Pro Fo
Internet Explorer TeamViewer 6
Adobe Acrobat ... TextToSpe...
Autodesk Design Review VLC media player
Autodesk Revit Arc... X2X Free Video Capture

new OK Multi-Cat Mat Takeoff Cubic Feet DD - Notepad					
File	Edit	Format	View	Help	
Undo	Ctrl+Z	keoff Cubic Feet DD"			
Cut	Ctrl+X	"IPMG L4 CODE"	"IPMG L5 Code"	"L4 TITLE"	
Copy	Ctrl+C			
Paste	Ctrl+V	ation in foundation trenches or drains, lift upto 1.5 m, lead of 50 m : all			
Delete	Del	31 23 16 13	31 23 16 13		
Find...	Ctrl+F	31 23 16 13 10005"	"Excavating, Trench"	"CUM"	
Find Next	F3	31 23 16 13"	"31 23 16 13 10005"	"Excavating, Trench	
Replace...	Ctrl+H	e with coarse sand, aggregate 40mm in foundation & footings of mix :			
Go To...	Ctrl+G	03 31 05 30"	"03 31 05 30 10005"	"Concrete Field Mix"	
Select All	Ctrl+A	03 31 05 30"	"03 31 05 30 10005"	"Concrete Field Mix"	
Time/Date	F5	scaffolding in cement mortar 1:6 in Foundation and plinths 1.5 m bel			
"5"	"5"	"04 21 13 46"	"04 21 13 46 10005"	"Brick Work, Conven	
"Providing clean fine sand fill under floors, pavings and similar locations, laid to required de					
"10"	"10"	"31 23 23 17"	"31 23 23 17 10010"	"Fill" "CUM"	
"Brick work including scaffolding in cement mortar 1:6 in Superstructures upto 20.0 m ab					
"11"	"11"	"04 21 13 46"	"04 21 13 46 10010"	"Brick Work, Conven	
"11"	"11"	"04 21 13 46"	"04 21 13 46 10010"	"Brick Work, Conven	
"11"	"11"	"04 21 13 46"	"04 21 13 46 10010"	"Brick Work, Conven	
"11"	"11"	"04 21 13 46"	"04 21 13 46 10010"	"Brick Work, Conven	
"P/L specified mix RCC (1:2:4) In foundation and plinth (1.5 m below upto 1.2 m above G.L.)					
"16"	"16"	"03 31 05 31"	"03 31 05 31 10005"	"Reinforcement cem	
"16"	"16"	"03 31 05 31"	"03 31 05 31 10005"	"Reinforcement cem	
"16"	"16"	"03 31 05 31"	"03 31 05 31 10005"	"Reinforcement cem	
"16"	"16"	"03 31 05 31"	"03 31 05 31 10005"	"Reinforcement cem	
"Grand total: 15"	

Take-off Sheet Pasted in Excel

OK Multi-Cat Mat Takeoff Cubic Feet DD										
S.NO.	Dwg.No.	IPMG L4 CODE	IPMG L5 Code	L4 TITLE	Material: U.L	B	H	Material: Volume	Material: 1	
Earth work in excavation in foundation trenches or drains, lift upto 1.5 m, lead of 50 m : all types of soil										
3										
5	3	3 31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM	6'3"	3'	3'	6.37 m ³	1
6	3	3 31 23 16 13	31 23 16 13 10005	Excavating, Trench	CUM	5'	5'	5'	4.16 m ³	1
P/L cement concrete with coarse sand, aggregate 40mm in foundation & footings of mix : 1:5:10										
8	4	4 03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM			6"	1.46 m ³	1
9	4	4 03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM	10'6"	10'6"	1.5"	0.39 m ³	1
10	4	4 03 31 05 30	03 31 05 30 10005	Concrete Field Mix	CUM	16'3"		6"	2.48 m ³	1
Brick work including scaffolding in cement mortar 1:6 in Foundation and plinths 1.5 m below and upto 1.2 m										
12	5	5 04 21 13 46	04 21 13 46 10005	Brick Work, Conventional Bricks	CUM		45		4.76 m ³	1
Providing clean fine sand fill under floors, pavings and similar locations, laid to required depth										
14	10	10 31 23 23 17	31 23 23 17 10010	Fill	CUM	10'2"	10'2"	6"	1.46 m ³	1
Brick work including scaffolding in cement mortar 1:6 in Superstructures upto 20.0 m above plinth level										
16	11	11 04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"	9'0"	9"	2.28 m ³	1
17	11	11 04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"		9"	1.89 m ³	1
18	11	11 04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"		9"	1.95 m ³	1
19	11	11 04 21 13 46	04 21 13 46 10010	Brick Work, Conventional Bricks	CUM	10'6"	9'0"	9"	2.27 m ³	1
P/L specified mix RCC (1:2:4) in foundation and plinth (1.5 m below upto 1.2 m above G.L.)										
21	16	16 03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM				1 0.91 m ³	1
22	16	16 03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM				1 0.91 m ³	1
23	16	16 03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM				1 0.91 m ³	1
24	16	16 03 31 05 31	03 31 05 31 10005	Reinforcement cement Concrete	CUM				1 0.91 m ³	1
Grand total: 15										

Select a Project in BuildSystem Software

BuildSystem-II - [Projects]

Admin Master Manage Estimate Tendering Procurement Inventory Reports Business Center SetUp Live Updates Help Exit

List of Project(s)

Search :

Project Name	Discipline	Classification	City	
Demo	Civil	Hotel	India,Delhi,Delhi	2
Demo1	Civil	Hotel	India,Delhi,Delhi	2
Sample Project	Civil	Hotel	India,Delhi,New Delhi	2

Project

Select Estimate in BuildSystem Software

BuildSystem-II - [Estimates]

Admin Master Manage Estimate Tendering Procurement Inventory Reports Business Center SetUp Live Updates Help Exit

List of Estimate(s) - Sample Project

Search :

Estimate Name	City	Discipline	Created Date	Created By
Change Room Project	India,Delhi,New Delhi	Civil	27 May 2011	ipmg

Estimate :

Import from Excel Sheet

The screenshot shows the 'Estimate Details' application window. The main window has a menu bar (File, Edit, View, Tools) and a header area with project information: Project Name: Sample Project, Estimate Name: Change Room Project, Created by: IPMG, Created On: 27 May 2011, Last Updated: 27 May 2011. Below this is a search bar with radio buttons for 'IPMG Code', 'Description', and 'URC Code'. A search box is present, along with 'Go' and 'Hide' buttons. There are also buttons for 'QTO from Autodesk' and 'Update OHP'. A secondary bar contains 'QTO from Excel' and window controls. The main content area features a table with columns: S.No., IPMG Code, Description, Quantity, UOM, Source Code, URC Code, Duplicate. Above the table are 'Excel Format' and 'Import File' buttons. An 'Open' dialog box is overlaid on the table, showing the 'Look in' path 'Quantity takeoff from Revit' and a file list containing 'Takeoff Sheet.xlsx'. The dialog also has a 'Recent Places' sidebar, a 'File name' field, a 'Files of type' dropdown set to 'All Supported Files (*.xls;*.xlsx)', and an 'Open as read-only' checkbox. At the bottom of the dialog are 'Open' and 'Cancel' buttons. The main window's bottom bar contains 'Remove Duplicate', 'Save', and 'Exit' buttons.

Estimate Details

File Edit View Tools

Items Estimate Details

Project Name : Sample Project
Estimate Name : Change Room Project

Created by : IPMG
Created On : 27 May 2011
Last Updated : 27 May 2011

Search By IPMG Code Description URC Code Go Hide QTO from Autodesk Update OHP

QTO from Excel

Excel Format Import File

S.No.	IPMG Code	Description	Quantity	UOM	Source Code	URC Code	Duplicate
-------	-----------	-------------	----------	-----	-------------	----------	-----------

Open

Look in: Quantity takeoff from Revit

Takeoff Sheet.xlsx

Recent Places
Desktop
Libraries
Computer
Network

File name: Takeoff Sheet.xlsx Open
Files of type: All Supported Files (*.xls;*.xlsx) Cancel
 Open as read-only

Remove Duplicate Save Exit

City: new U.India

Estimate in BuildSystem Software

Estimate Details

File Edit View Tools

Items Estimate Details

Project Name : Sample Project
 Estimate Name : Change Room Project

Created by : IPMG
 Created On : 27 May 2011
 Last Updated : 27 May 2011

Search By IPMG Code Description URC Code

Go

Hide

QTO from Autodesk

Update DHP

<input type="checkbox"/>	S. no.	IPMG Code	Description	UOM	Qty	QTO	Material	Equipment	Labour	Others
<input type="checkbox"/>	9	04 21 13 46 10010	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Superstructures upto 20.0 m above plinth level.	cum	2.2800...	QTO	5427.778488000	54.720000000	1848.266040000	
<input type="checkbox"/>	10	04 21 13 46 10010	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Superstructures upto 20.0 m above plinth level.	cum	1.8900...	QTO	4499.342694000	45.360000000	1532.115270000	
<input type="checkbox"/>	11	04 21 13 46 10010	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Superstructures upto 20.0 m above plinth level.	cum	1.9500...	QTO	4642.178970000	46.800000000	1580.753850000	
<input type="checkbox"/>	12	04 21 13 46 10010	Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in : Superstructures upto 20.0 m above plinth level.	cum	2.2700...	QTO	5403.972442000	54.480000000	1840.159610000	

Estimate Total cost (TC)

77605.277369423

Delete

Basic

Advance

Estimate break-up

Exit

Current user IPMG

City : New Delhi

Thank You