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Quantity  
Surveying Taking  
Off Examples  
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# **Quantity Surveying Taking Off Examples Windows**

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### **Quantity Surveying Taking Off Examples**

Taking-off List: Unit:

SMM Reference:

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Clearing site

vegetation: m<sup>2</sup>: D.1.1:

Removing trees and  
stumps: Nr: D.1.2:

Excavating topsoil for  
preservation: m<sup>2</sup>:

D.2.1: Disposal of  
(Depositing) topsoil: m

3: D.8.3.2: Excavating  
to reduce level: m<sup>2</sup> /

m<sup>3</sup>: D.2.2: Disposal of  
spoil: m<sup>3</sup>: D.8.3:

Excavating pits: m<sup>3</sup>:

D.2.4: Excavating  
trenches width > 300

mm: m<sup>3</sup>: D.2.5:

Excavating trenches

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width < 300 mm: m:

D.2.6 Examples

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## **Substructure Taking off List -**

### **Construction Tuts**

Quantity Surveying

Taking Off Examples

Taking off quantities is  
a key skill demanded

of a quantity surveyor.

Substructure taking-off  
involves all

measurement work up

to and including the

damp-proof course. It

includes a variety of

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trades such as clearing

site, top soil removing, excavation, concrete work and masonry works.

### **Quantity Surveying Taking Off Examples Windows**

A simple example would be fabrication waste material that is a material cost to the project. ... Figure 2.2 shows a sample of the quantity surveying table for quantity take-

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off. Fig. 2.2: Quantity

take-off table 2.4.1

Earth works Earth

works comprises site

level, excavation,

backfilling and

transportation of

excavated

## **CHAPTER 2**

### **QUANTITY TAKE-OFF**

#### **- Delta Univ**

Taking off quantities is

one of the job roles of

a quantity surveyor. In

this process normally

we use taking off



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Surveys also called "TDS sheet" to purposes of taking off quantities. In construction projects, there are several measure work (such as excavation work, rubble work, concrete work, etc), we have to carry out the take of quantity process to prepare the bill of quantities.

### **Principles of Taking off Quantities - QS Practice**

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Long wall (out-to-out)

= c/c length + 1/2  
breadth on one side +  
1/2 breadth on the  
other side. = c/c length  
+ one breadth. Short  
wall length in-to-in =  
c/c length - 1/2  
breadth on one side -  
1/2 breadth on the  
other side. = c/c length  
- one breadth.

Additional info:

**Methods of takeoff  
quantities -**

**Explanation with**

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**solved ...**

for students to

commence the process  
of taking-off building  
quantities.

Substructure work is  
typically ... building  
measurement and  
quantity surveying  
examinations. In this  
paper, the author  
demonstrates the  
process of measuring  
basic substructure  
designs. ... The worked  
examples are  
presented in order of

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increasing difficulty as  
the plans ...

Off Examples

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**Measuring Building  
Substructures:  
Solutions to 'First  
Year ...**

QUANTITY TAKE OFF –  
MASONRY PRACTICE  
PROBLEM #2A

Estimate the quantity  
of mortar required in  
problem #1. The joint  
thickness between  
rows is  $\frac{1}{2}$ in thick.

Assume 25% waste. a.  
20.5 ft<sup>3</sup> b. 18.3 ft<sup>3</sup> c.

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14.6 ft<sup>3</sup> d. 11.4 ft<sup>3</sup>

Step 1: Calculate out the volume of mortar of one brick. (ft<sup>3</sup> or m<sup>3</sup>) - Volume per brick = (t)(w)(L+H+t)

## **QUANTITY TAKE-OFF - Learn Civil Engineering**

Today, the majority of bills of quantities are produced using proprietary software packages, each system having its own format for inputting

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## Surveying Taking

## Off Examples

dimensions and  
formulating  
descriptions. However,  
in order to fully  
understand and  
appreciated the  
potential problems in  
the measurement  
process a thorough  
knowledge of  
measurement  
conventions is  
essential.

## **Example taking off for substructure | Measurement ...**

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In the first example below, the cubic measurement  $3.00 \times 2.00 \times 1.00$  is to be multiplied by 2. In the second example below, the same measurement, once multiplied by 2, is then multiplied by 4. Dotting on . Dotting on is used to add dimensions together in the timesing column rather than multiplying.

**How to take off**

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**construction works -**

**Designing Buildings**

**Wiki**

Creation. Bill of quantities are prepared by quantity surveyors and building estimators, and "Indeed the bill of quantities was the raison d'être for the development of quantity surveying as a separate profession.". The practice historically of estimating building



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costs in this way arose from non-contractual measurements, taken off drawings to assist tenderers in quoting lump sum prices.

### **Bill of quantities - Wikipedia**

Although it is expected that civil engineering and quantity surveying students will form the major part of the readership, interest has already been expressed by

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practising engineers and surveyors on the need for a book providing examples of civil engineering taking-off accompanied by a commentary on the measurement techniques being used.

**50451783 taking-off-quantity - SlideShare**

Quantity surveying is a high skill and a vital component to support project proposals. In

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fact, material data

estimation is such a

critical part of

construction that many

managers retain

specialized

independent takeoff

professionals to do

quantity takeoffs for

them.

### **What is a Quantity Takeoff? | What is a Takeoff in ...**

A dimension paper also

known as a takeoff

sheet or measurement

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## Surveying Taking

Off-Example  
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sheet is used to enter measurements taken off from an

architectural drawing or building plan. The

traditional quantity takeoff sheet in the

form of A4 paper is widely used at

professional learning

institutions of quantity surveying, but it's also

used by consulting

quantity ...

### **3 Types of Dimension Paper /**

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**Takeoff Sheets Used**  
**by ... Examples**

quantity surveying  
surveyor quantity take  
off. an introduction to  
taking off building  
quantities an irish.  
monarch stationery  
surveying dimension  
amp estimating.  
chapter 2 quantity take  
off. what is the taking  
off process  
constructionchat. pro q  
s • quantity surveyor  
take off services.  
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**Taking Off Quantity  
Surveying -  
Universitas  
Semarang**

Taking off construction works - Designing Buildings Wiki - Share your construction industry knowledge.

The term 'taking off' refers to the process of identifying elements of construction works that can be measured and

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priced. This is

necessary to produce bills of quantities and requires that the design is complete and a specification has been prepared.

### **Taking off construction works - Designing Buildings Wiki**

Examples Quantity

Surveying

Measurements shows a sample of the quantity surveying table for

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2.2 ... CHAPTER 2

QUANTITY TAKE-OFF -

Delta Univ 22 Sloping

site excavation The

quantity surveyor is

often called upon to

calculate the volume of

excavation and Page

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**Worked Examples**

**Quantity Surveying**

**Measurement**

The second edition of

the above book,

authored by Professor

*Page 24/27*



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Surveying Taking

Fanie Buys, was published in December 2010 and is now available. This book

was compiled to assist quantity surveying and construction

management students and young

practitioners in

understanding the

measurement of

quantities for building

work in accordance

with the Standard

System of Measuring

Building Work (6th

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**MEASURING  
BUILDING WORK -  
WORKED EXAMPLES,  
2nd EDITION ...**

Great Examples of  
Quantity Surveying  
Dissertation Topics.

Quantity surveying is a field that mainly deals with specific aspects involving measurement and estimation of costs in the building and construction industry.

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### Surveying Taking

Due to the recent increase in the number of houses needed to be constructed, the quantity surveying field has experienced an evolution in its trends and methods.

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