

CM 352 – Electrical Construction Estimating



Accubid Activity #3

Accubid Office Building - SYS 08 DEVICES - LIGHTING & SYS 13 DEVICES – POWER

SYS 08 DEVICES - LIGHTING

Procedure

1. Obtain your 08 DEVICES – LIGHTING completed take off sheet.
2. Start the program Accubid Pro 13 [Start, All Programs, Trimble, Classic 13\Accubid Pro 13]
3. Press the CAPS LOCK Key ON
4. From the Job Schedule Screen open the file, Accubid Office Building.
5. If not already selected, select the Takeoff tab at the bottom of the screen.
6. Make sure you are using the Database: L100 V8 US NECA IMP
7. Set the Breakdown as shown in Figure 1.

<input checked="" type="checkbox"/>	Job	ACCUBID OFFICE BUILDING - LAB ACCUBID OFFICE BUILDING
<input checked="" type="checkbox"/>	Drawing...	Typ... E2.0 BASEMENT FLOOR PLAN - LIGHTING
<input checked="" type="checkbox"/>	Area...	Typ... MAIN BUILDING
<input checked="" type="checkbox"/>	Phase...	Typ... BASEMENT
<input checked="" type="checkbox"/>	System...	Typ... 08 DEVICES - LIGHTING
<input checked="" type="checkbox"/>	Bid Item...	Typ... BASE BID
<input checked="" type="checkbox"/>	Lb Factor...	STANDARD
<input checked="" type="checkbox"/>	Show deleted takeoffs	

Figure 1

8. Choose COMMON ASSEMBLIES from the drop down list in the Takeoff: area of the screen.
9. Double click:

[Line 3] SWITCHES

[Line 1] SWITCHES - (EMT) ****

[Line 1] 20A 120V S/P SW (1/2" EMT-METAL STUD)

In the Measure Takeoff window change the Count Value to the number of 20A 120V S/P SW (1/2" EMT-METAL STUD) assemblies to add. Note that the 20A 120V S/P SW (1/2" EMT-METAL STUD) assembly includes 15 ft of 1/2" CONDUIT – EMT along with 1/2" set screw connectors and 1/2" set screw couplings. For every switch added to the takeoff this material will be included.

Click the OK button to complete the takeoff.

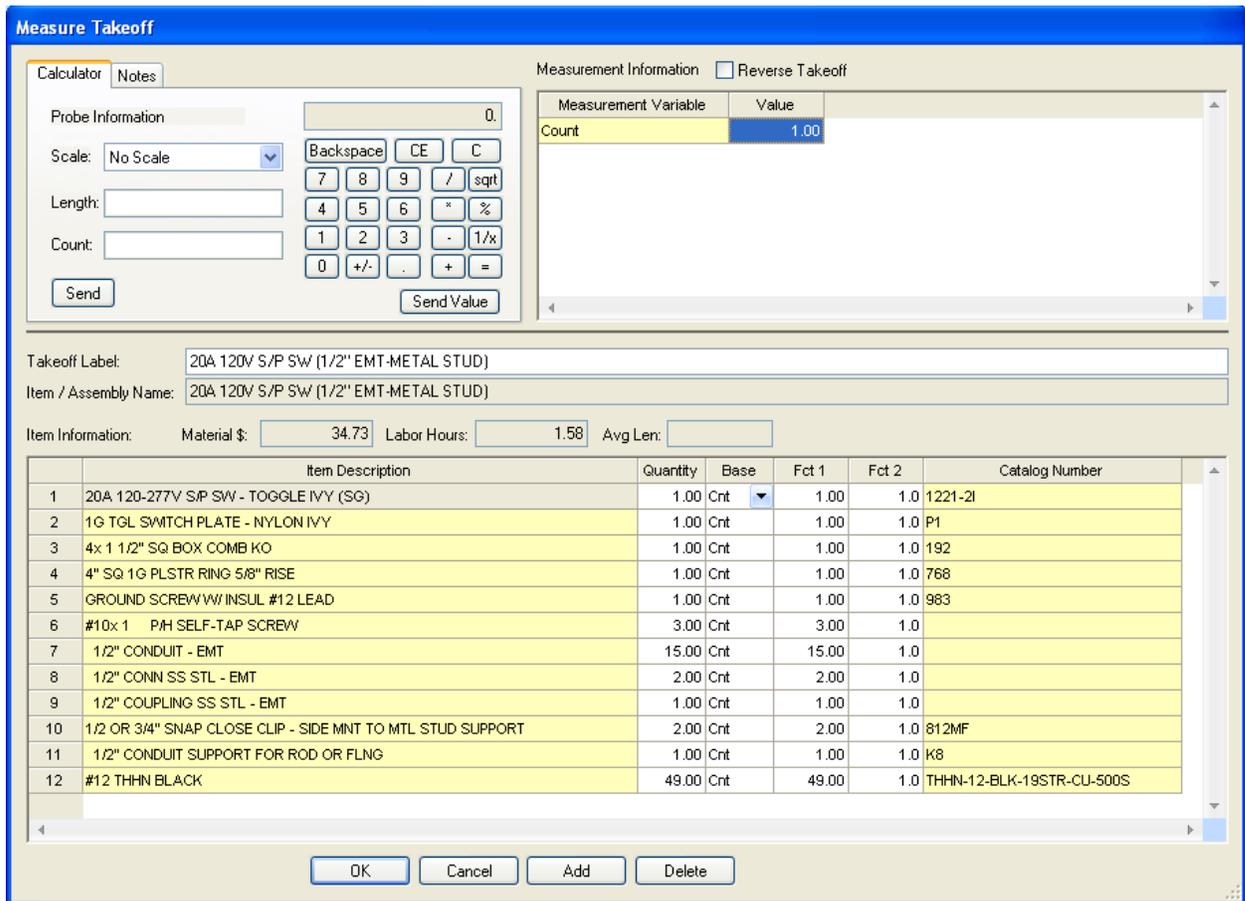
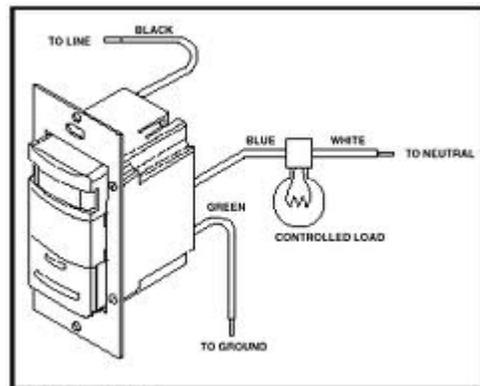


Figure 2

10. Repeat these steps for the remaining 08 DEVICES - LIGHTING. Be sure to set the Breakdown! All devices can be located in the Takeoff: COMMON ASSEMBLIES by click on the following:
 - Level 1 [Line 3] SWITCHES
 - Level 2 [Line 1] SWITCHES - (EMT) ****
 - Level 3 Line number depends on the assembly being taken off.
11. When finished taking off the lighting devices, save the estimate.

Occupancy Sensor – Wall Mounted



Cat. No. 16775

http://www.leviton.com/OA_HTML/ProductDetail.jsp?partnumber=ODS0D-IDT§ion=38557&minisite=10251

SYS 13 DEVICES – POWER

12. Obtain the 13 DEVICES – POWER completed take off sheet.
13. Set the Breakdown as shown in Figure 3.

The screenshot shows a software interface with the following fields and values:

- Job:** ACCUBID OFFICE BUILDING - LAB || ACCUBID OFFICE BUILDING
- Drawing... Typ...:** E3.0 BASEMENT FLOOR PLAN - POWER
- Area... Typ...:** MAIN BUILDING
- Phase... Typ...:** BASEMENT
- System... Typ...:** 13 DEVICES - POWER
- Bid Item... Typ...:** BASE BID
- Lb Factor...:** STANDARD
- Show deleted takeoffs

Figure 3

14. Choose COMMON ASSEMBLIES from the drop down list in the Takeoff: area of the screen.
15. Double click:
 - [Line 4] RECEPTACLES
 - [Line 1] RECEPTACLES - (EMT) ****
 - [Line 1] 20A 120V DUP REC (1/2" EMT-METAL STUD)

In the Measure Takeoff window change the Count Value to the number of 20A 120V DUP REC (1/2" EMT-METAL STUD) assemblies to add. Note that the 20A 120V DUP REC (1/2" EMT-METAL STUD) assembly includes 15 ft of 1/2" CONDUIT – EMT along with 1/2" set screw connectors and 1/2" set screw couplings. For every receptacle added to the takeoff this material will be included. Click the OK button to complete the takeoff.

The screenshot shows the 'Measure Takeoff' window with the following details:

- Calculator:** Scale: No Scale, Length: , Count: .
- Measurement Information:** Reverse Takeoff. Measurement Variable: Count, Value: 1.00.
- Takeoff Label:** 20A 120V DUP REC (1/2" EMT-METAL STUD)
- Item / Assembly Name:** 20A 120V DUP REC (1/2" EMT-METAL STUD)
- Item Information:** Material \$: 38.79, Labor Hours: 2.05, Avg Len: .
- Item List:**

Item	Item Description	Quantity	Base	Fct 1	Fct 2	Catalog Number
1	20A 125V DUP REC - IVY (SQ)	1.00	Cnt	1.00	1.0	HBL5362I
2	1G DUPLEX REC PLATE - NYLON IVY	1.00	Cnt	1.00	1.0	P8
3	4x 1 1/2" SQ BOX COMB KO	1.00	Cnt	1.00	1.0	192
4	4" SQ 1G PLSTR RING 5/8" RISE	1.00	Cnt	1.00	1.0	768
5	GROUND SCREW W/ INSUL #12 LEAD	1.00	Cnt	1.00	1.0	983
6	1/2" CONDUIT - EMT	15.00	Cnt	15.00	1.0	
7	1/2" CONN SS STL - EMT	2.00	Cnt	2.00	1.0	
8	1/2" COUPLING SS STL - EMT	2.00	Cnt	2.00	1.0	
9	1/2 OR 3/4" SNAP CLOSE CLIP ON ANGLE BRKT	3.00	Cnt	3.00	1.0	FB812M
10	#8x 3/4 WAFER HEAD SELF-TAP STUD SCREW - 12G	6.00	Cnt	6.00	1.0	SCW834
11	1/2 OR 3/4" SNAP CLOSE CLIP - SIDE MNT TO MTL STUD SUPPORT	1.00	Cnt	1.00	1.0	812MF
12	#12 THIN BLACK	50.00	Cnt	50.00	1.0	THHN-12-BLK-19STR-CU-500S
13	WIRE CONN RED (#16 TO #10)	3.00	Cnt	3.00	1.0	R-BOX

Figure 4

16. Repeat these steps for the remaining 13 DEVICES - POWER. Be sure to set the Breakdown!

All devices with the exception of the special receptacles (70A and 50A) Note ⑥ shown on E3.1 First Floor Plan – Power can be located in the Takeoff: COMMON ASSEMBLIES by click on the following:

Level 1 [Line 4] RECEPTACLES

Level 2 [Line 1] RECEPTACLES - (EMT) ****

Level 3 Line number depends on the assembly being taken off.

Note: The two special receptacles shown on E3.1 First Floor Plan – Power Note ⑥ will be added to the estimate later.

17. When finished taking off the power devices, save the estimate.

18. Copy the estimate to your own USB drive before leaving the lab.