

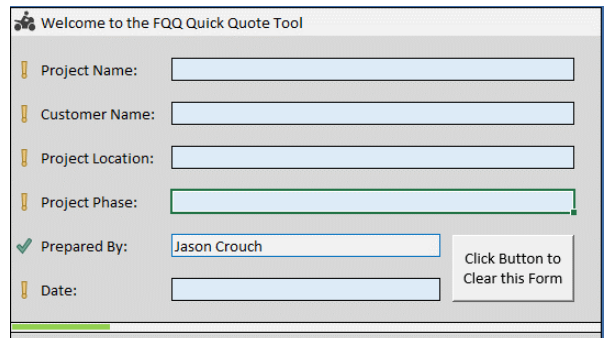
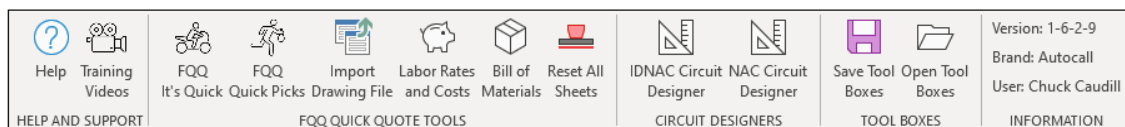
New FQQ/ IDNAC P2P Tool Announcement

Feature Quick Quote Takeoff Tool for Autocall with IDNAC P2P Integration

We are pleased to announce the update of the **FQQ** takeoff estimation tool and **IDNAC/ NAC Point to Point** voltage drop calculator. **FQQ** is designed to provide users with an offline enhanced workflow experience facilitating rapid project takeoffs and circuit designs. The **FQQ** takeoff utilizes spreadsheet functionality for interface with the **Solution Navigator** pricing platform. The **IDNAC P2P** now supports multiple IDNACs in a single calculation. Key features include:

- **FQQ Takeoff Updates:**


- Addition of toolboxes to support multiple design types
- Toolbox export/ import for future revision support
- MX Digital Loop support (select market availability)
- Support for Foundation Series
- Battery support for NAC Extenders and IDNAC Repeaters
- Estimated average circuit loading added to IDNAC
- New Home Screen Ribbon Controls with one click access to Training Videos

- Dedicated selector screens for IDNet, IDNAC, NAC, 3rd Party Items, MX Digital Loop, Quick Picks, Foundation Series and 4007ES
- Integrated Labor Calculator
- .CSV Importation for takeoff totals from external programs such as Bluebeam Revu ®
- Bill of Materials view with selection filter
- .CSV Exportation to Selection Navigator for Pricing
- **IDNAC Point to Point Circuit Designer Updates:**
 - Multiple IDNAC support
 - Addition of toolboxes for multiple design types
 - Simplified interface for adding/ editing devices
 - **Repeater Battery Calculation** support
 - **Project View** for submittal
 - **Circuit Drawing**, single or multiple IDNAC display options
 - **SIG Circuit Assignment**
 - **Install View** with device dipswitch settings
 - **Spare Capacity** assignment for IDNACs
- **NAC Point to Point Circuit Designer**
 - Multiple NAC support
 - Multiple source NAC starting voltages
 - Support for Max Value & custom NAC devices

Note: Microsoft Excel 365 is required to run FQQ/ IDNAC Point to Point Circuit Designer

Summary of FQQ:

										
Initiating Devices	Addressable IDNACs	Conventional NACs	Third Party Items	MX Digital Loop	Quick Picks	2004FS 4-Zone	2008FS 8-Zone	2050FS 50-Point	2250FS 250-Point	4007ES ES PANELS
QUICK QUOTE PRODUCT TAKE OFF SHEETS						FOUNDATION SERIES PANELS				

Manual Device Selection

- Customizable columns headers, example: Floor 1, Floor 2, Floor 3, etc.
- IDNet device groups; addressable detectors, duct detectors, input modules, etc.
- Pre-configured device pairing selections; example: Smoke Detector with Standard Base
- IDNAC & Conventional NAC feature customizable toolbox device selectors that allow users to tailor the spreadsheet tool for business model or vertical market
- Third Party Items tab allows user to easily customize takeoff for Non-JCI products
- MX Digital Loop selector
- Future support of Foundation Series
- 4007ES Quick Select allows pre-selected 4007ES systems to be chosen for rapid pricing in Selection Navigator with field device selections
- Automatic battery calculation/ order capability for IDNet NAC Extenders

Automatic Calculation of Manual Selectors

	Totals	Floor 1/ E101	Floor 2/ E102	Floor 3/ E103
IDNet Information per designation				
IDNet Addresses per designation	118	56	31	31
IDNet Unit Loads per designation	118	56	31	31
Remote 24V Standby Loads mA for 4 wire IDNet Devices per designation				
Remote 24V Alarm Loads mA for 4 wire IDNet Devices per designation				
24V Alarm Loads mA for Sounder Bases per designation				
Estimated number of IDNet Loops/Channels required	3	1	1	1
Estimated Number of IDNet Loops/Channels based on Addresses		1	1	1
Estimated Number of IDNet Loops/Channels based on Unit Loads		1	1	1
Estimated Number of IDNet Loops/Channels based on NAC Extenders				

- FQQ device selections are automatically tallied
- Logical selection process follows a typical design take off, providing useful calculations on estimated number of Loops, Addressable NACs, Repeaters, Speaker Wattage and Cable Calculations allowing the user to set base preferences such as spare design capacity.
- IDNAC/ Conventional NAC customizable selections for load calculations
 - Speaker wattage
 - Circuit Length
 - Wire Gauge, Temperature and Unit of Measure
 - Estimated Average Circuit Loading
 - Automatic battery calculation/ order capability for IDNAC repeaters

Small Panel Takeoff Configurators

- Foundation Series system designer with selectable field devices
 - Verification of panel capacities versus device selection
 - Creation of exportable battery calculation for Foundation series
- 4007ES Quick Select allows pre-selected 4007ES systems to be chosen for rapid pricing in Selection Navigator with field device selections. Includes basic battery calculation for addition to BOM

Third Party Items

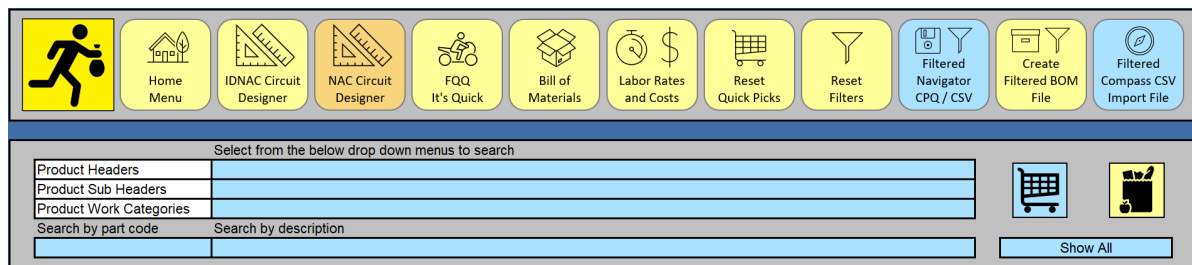
- Third Party Items tab allows user to easily customize takeoff for Non-JCI products & services

MX Digital Loop Device Selector (select market availability)

- Full support of MX Digital Loop devices as shown above in IDNet selector

Quick Picks Selector

- Full library of all available products for manual entry by part code
- Allows simple addition of “spare devices” without affecting loop requirement calculations
- Comprehensive search by product headers, sub headers, work categories, part code or descriptions.



The interface features a top navigation bar with icons for Home Menu, IDNAC Circuit Designer, NAC Circuit Designer, FQQ It's Quick, Bill of Materials, Labor Rates and Costs, Reset Quick Picks, Reset Filters, Filtered Navigator CPQ / CSV, Create Filtered BOM File, and Filtered Compass CSV Import File. Below this is a search section with dropdown menus for Product Headers, Product Sub Headers, and Product Work Categories. There are also input fields for 'Search by part code' and 'Search by description', and a 'Show All' button.

Labor Rates and Costs Calculator

- Device selection totals are compiled in Labor tab for costing with customizable labor rates
 - Separate Installation, Commissioning and Service columns
 - Hours, Rates and Allowances configurable by Work Type
 - Labor Rates Configurable by Working Periods (Weekdays and Weekends)

Enter Hours and Minutes for each product category per work type								
Installation			Commissioning			Service		
Totals	Hours	Minutes	Totals	Hours	Minutes	Totals	Hours	Mins
10		10	10		10	10		5
1		45	1		30	1		15
10		20	10		20	10		5
0		30	0		30	0		10
7		30	7		20	7		5
10		20	10		20	10		5
0		20	0		10	0		5
0		20	0		30	0		5
0		20	0		20	0		5
0		5	0		5	0		5
0		5	0		5	0		5
0		5	0		5	0		5

Define hours, rates and allowances for each of the working periods for each work type as required								
Hrs / Day	Hourly Rate	Cost / Day	Round Days	Total Days	% Work Mix	Travel / Day	Allow 1 / Day	Allow 2 / Day
8	\$100.00	\$800.00	Full Day	4.00	80%	\$50.00	\$50.00	\$50.00
8	\$150.00	\$1,200.00	Full Day	4.00	10%	\$50.00	\$50.00	\$50.00
8	\$200.00	\$1,600.00	Full Day	4.00	10%	\$50.00	\$50.00	\$50.00
					100%			
8	\$100.00	\$800.00	Full Day	2.00	100%	\$0.00	\$0.00	\$0.00
8	\$150.00	\$1,200.00	Full Day	2.00	0%	\$0.00	\$0.00	\$0.00
8	\$200.00	\$1,600.00	Half Day	2.00	0%	\$0.00	\$0.00	\$0.00
					100%			
8	\$100.00	\$800.00	Full Day	1.00	100%	\$0.00	\$0.00	\$0.00
8	\$150.00	\$1,200.00	Half Day	1.00	0%	\$0.00	\$0.00	\$0.00
8	\$200.00	\$1,600.00	Half Day	1.00	0%	\$0.00	\$0.00	\$0.00
					100%			

Import Drawing .CSV File for IDNet and IDNAC from Bluebeam Revu ®

Enter Spare Design Capacity for IDNet Circuits		20%	Column 1
IDNet Information per column/designation			Bluebeam Devices
IDNet Addresses per designation	77	77	77
IDNet Unit Loads per designation	77	77	77
Remote 24V Standby Loads mA for 4 wire IDNet Devices per designation	3 mA	3 mA	3 mA
Remote 24V Alarm Loads mA for 4 wire IDNet Devices per designation	15 mA	15 mA	15 mA
24V Alarm Loads mA for Sounder Bases per designation	918 mA	918 mA	918 mA
Estimated number of IDNet Loops/Channels required		1	1
Estimated Number of IDNet Loops/Channels based on Addresses		1	1
Estimated Number of IDNet Loops/Channels based on Unit Loads		1	1
Estimated Number of IDNet Loops/Channels based on NAC Extenders			

- Import .CSV takeoff list from popular drawing takeoff programs
- Customizable columns headers, example: Floor 1, Floor 2, Floor 3, etc.
- Map file import to selectable Columns for multiple imports in a session
- User can create custom descriptions for imports or use default Master descriptions
- Customizable spare capacity for addressable points and circuit loading
- Imported device totals are automatically tallied
- Logical selection process follows a typical design take off, providing useful calculations on estimated number of Loops, Addressable NACs, Repeaters, Speaker Wattage and Cable Calculations allowing the user to set base preferences such as spare design capacity
- IDNAC/ NAC customizable selections for load calculations
 - Speaker wattage
 - Circuit Length
 - Wire Gauge, Temperature and Unit of Measure

Bill of Materials and .CSV Export










- Customize Bill of Materials from any of the following sections:

- IDNAC Designer
- NAC Designer
- Quick Quote
- Quick Picks
- Drawing File Import



<input checked="" type="checkbox"/> IDNAC Designer	<input checked="" type="checkbox"/> Quick Picks
<input checked="" type="checkbox"/> NAC Designer	<input checked="" type="checkbox"/> File Import
<input checked="" type="checkbox"/> Quick Quote	
LABOR AND BOM SELECTION FEED	

- Create a .CSV file export that can be uploaded to Selection Navigator for rapid pricing versus adding products individually via **Products** or **System Selectors**

								
Home Menu	IDNAC Circuit Designer	NAC Circuit Designer	FQQ It's Quick	FQP Quick Picks	Labor Rates and Costs	Selection Navigator CPQ / CSV	Create BOM File	Create Compass CSV Import File
User Defined Custom Items marked with ★ will not be included in Selection Navigator CSV files								
Description			Partcode			Quantity		
Wall Speaker HiFi			A49HF-APPLW			1		
Red Fire Cover Wall Mount			A49SOC-WRFIRE			1		
Red Mounting Plate			A49MP-SOWR			1		
Wall Speaker Strobe			A49SV-APPLW			1		
Red Fire Cover Wall Mount			A49SVC-WRFIRE			1		
Red Mounting Plate			A49MP-SVWR			1		
Ceiling Speaker Strobe HiFi HiCd Amber BA			A49HFVH-APLCA-BA			3		
Red Fire Cover Ceiling Mount			A49SVC-CRFIRE			3		

IDNAC Point to Point Circuit Designer Enhancements

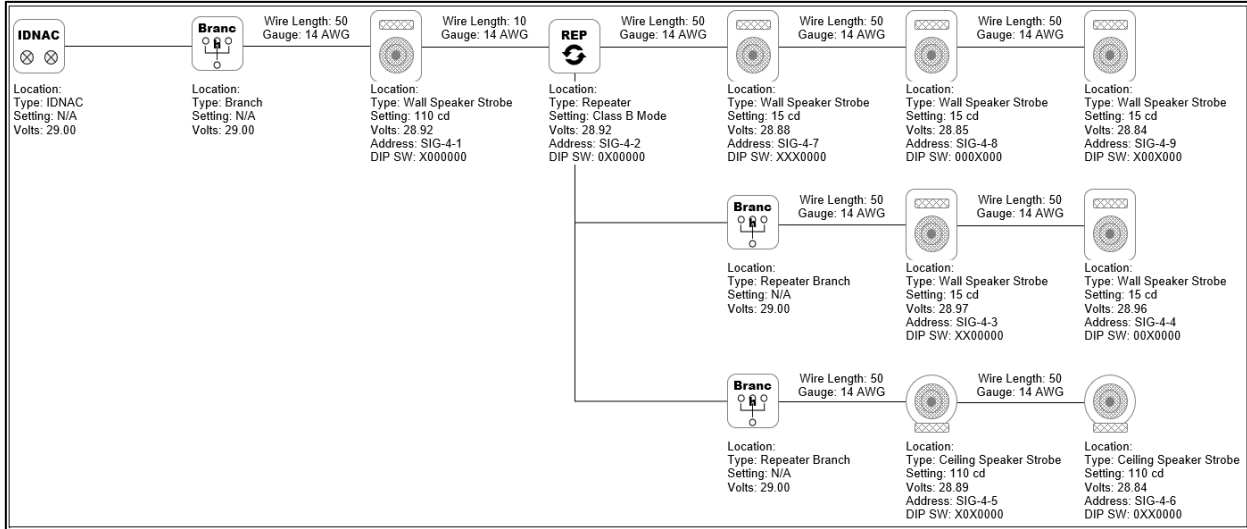


- Custom Ribbon and Toolbar controls redesigned to improve user experience
- Addition of toolboxes for multiple design types

	Point Label	Type	Appliance	Setting	Cover	Wire Length	Wire Gauge	Device Use
1		Wall Chime	Wall Chime	Chime	Red Fire	50	14 AWG	Fire
2		Wall Speaker	Wall Speaker HiFi	IDNAC Load	Red Fire	50	14 AWG	Fire
3		Wall Horn Strobe	Wall Horn Strobe	75 cd	Red Fire	50	14 AWG	Fire
4		Wall Strobe	Wall Strobe	30 cd	Red Fire	50	14 AWG	Fire
5		Wall Strobe	Wall Strobe	75 cd	Red Fire	50	14 AWG	Fire
6		Wall Speaker Strobe	Wall Speaker Strobe	110 cd	Red Fire	50	14 AWG	Fire
7		Wall Multi Tone Horn Strobe	Wall Multi Tone Horn Strobe	520Hz Low 15 cd	Red Fire	50	14 AWG	Fire
8		Ceiling Speaker Strobe	Ceiling Speaker Strobe HiFi HiCd Amber	110 cd	Red Fire	50	14 AWG	Fire
9		Wall Speaker Strobe	Wall Speaker Strobe	110 cd	Red Fire	50	14 AWG	Fire
10		Ceiling Horn	Ceiling Horn	Horn	Red Fire	50	14 AWG	Fire
11		Wall Speaker Strobe	Wall Speaker Strobe	15 cd	Red Fire	50	14 AWG	Fire
12		Wall Speaker Strobe	Wall Speaker Strobe	110 cd	Red Fire	50	14 AWG	Fire
13		Wall Speaker Strobe	Wall Speaker Strobe	110 cd	Red Fire	50	14 AWG	Fire
14		Wall Multi Tone Horn	Wall Multi Tone Horn	520Hz High	Red Fire	50	14 AWG	Fire
15		Wall Speaker Strobe	Wall Speaker Strobe	110 cd	Red Fire	50	14 AWG	Fire
16		IDNAC	IDNAC	N/A	Not Required	50	14 AWG	Fire

	Circuit Tree	Amps
IDNAC		1.241
Branch		1.241
Wall Horn Strobe		1.241
Wall Horn Strobe		1.134
Wall Horn Strobe		1.027
Wall Horn Strobe		0.92
Terminal Cabinet		0.813
> Terminal 1		0.057
> Wall Strobe		0.057
> End Terminal		0
> Terminal 2		0.057
> Wall Strobe		0.057
> End Terminal		0
> Terminal 3		0.057
> Wall Strobe		0.057
> End Terminal		0
End Cabinet		0.642
Wall Horn Strobe		0.642
Wall Horn Strobe		0.535
Wall Horn Strobe		0.428
Wall Horn Strobe		0.321
Wall Horn Strobe		0.214
Wall Horn Strobe		0.107

- Multiple IDNAC support
- Insert and Add Multiple Devices
- Voltage Drop and Current Calculator
- Color Coded Meters per Node
- Support for Spare Design Capacity
- Designer for IDNAC Class A, Class B & mixed Class A & B circuits
- IDNAC Repeater support - Class A, B and Extended Mode
- Automated Repeater Battery Calculations
- Circuit Tree View with Easily Identifiable Tap Levels
- Show Wire Path Option
- Exportable Project View for Submittals
- New "Future and Now" feature
- New "Flex Connect" Option
- New "Push" Wire and Gauge feature
- New Auto Addressing Modes.
- New FQECM – Quick Error Checking Matrix for Rapid Troubleshooting
- New Circuit Riser Drawing
- New SIG Circuit assignment to IDNACs
- Install view with dipswitch settings
- Spare Capacity Reserve for IDNACs



FQQ Takeoff Tool w/ IDNAC P2P Designer can be downloaded at [FQQ & IDNAC P2P Tool](#).

For More Information:

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