

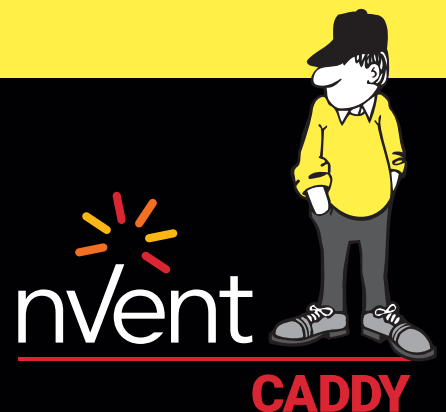


CONNECT AND PROTECT

# nVent CADDY Cable Management Solutions

For Electrical and Datacom Applications

nVent CADDY products with partnership from Pemsa and Vantrunk.



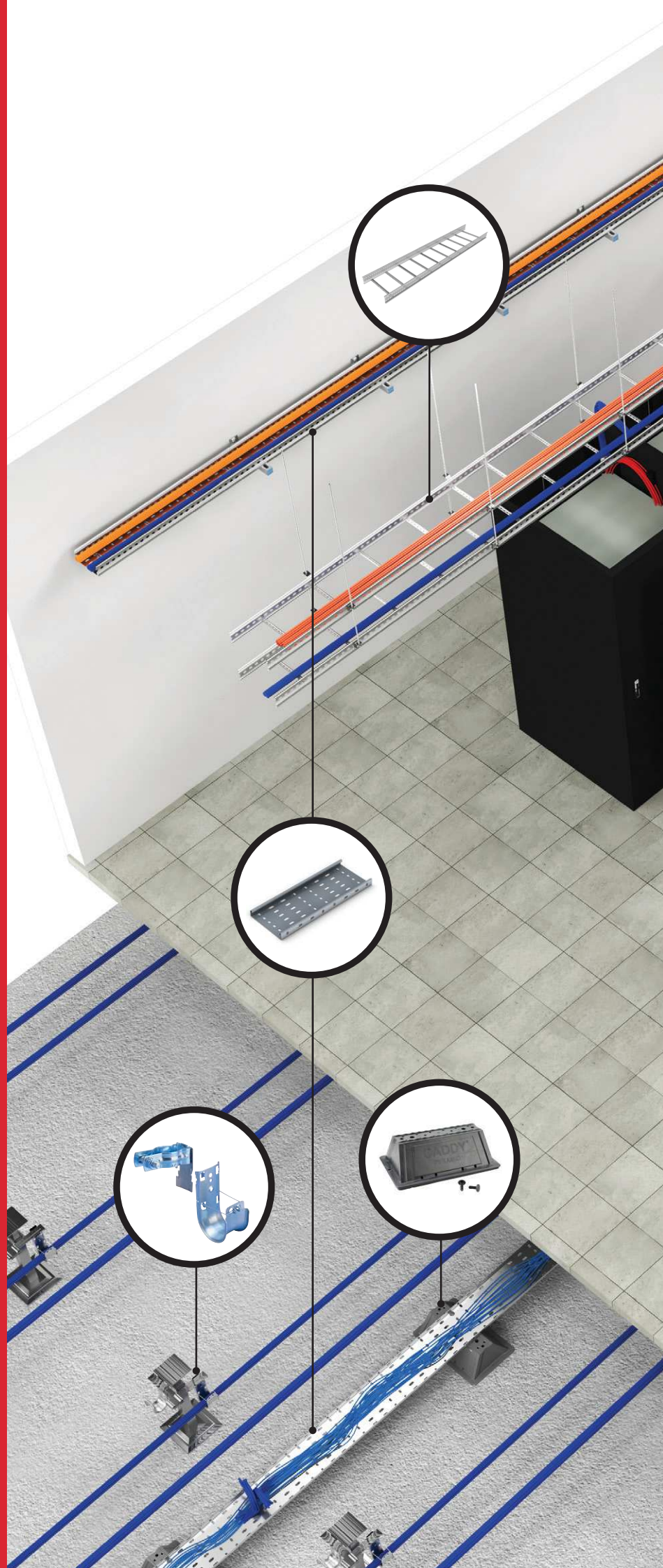


# Find Your Ideal Cable Management Solution

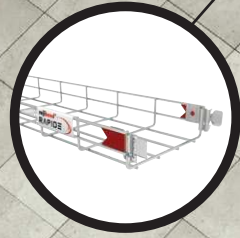
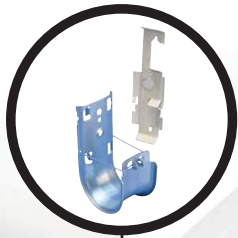
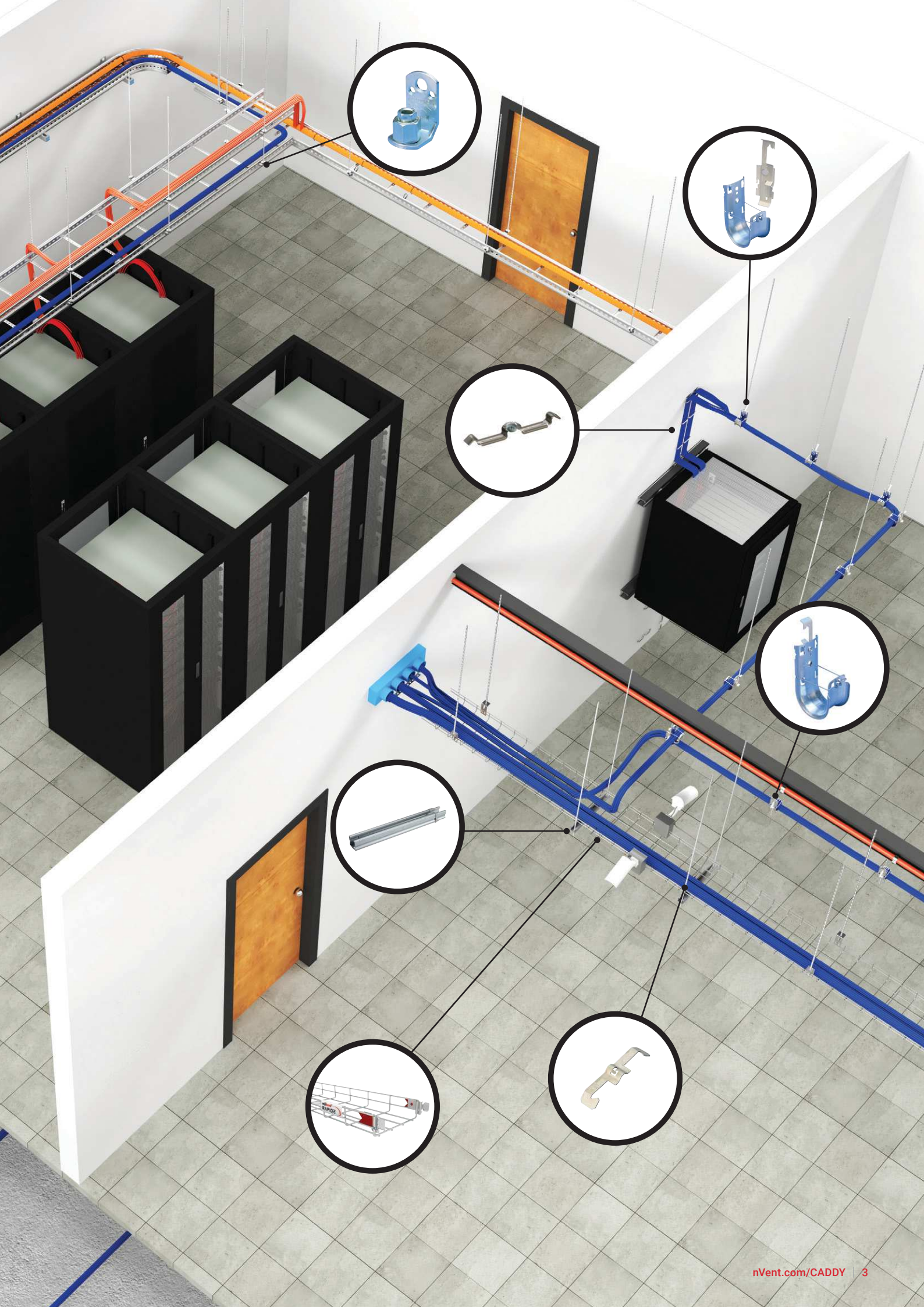
We are always looking for more ways to lower your total installation costs, reduce the use of tools and elevate safety by incorporating new features into our product portfolio. This thinking already extends to over 3,000 fixing and fastening solutions for all structure types, from steel to concrete and to an ever-expanding cable management range carrying the same high-quality promise.

Backed by our extensive customer service and dedication to contractors' demand, nVent CADDY offers products you know and trust, and are suitable for thousands of electrical/datacom applications – from snap clips to metal pressure clips and J-Hooks to a full range of Wire Basket Trays, Perforated Cable Trays and Cable Ladders.

Trust nVent CADDY to bring you the highest quality electrical and datacom solutions for the lowest total installed cost and protect your electrical equipment from failure that could adversely affect safety and plant availability.







# nVent CADDY Cable Management

## Get Started by Choosing the Right Cable Support Accessories



**Consider what type of cables need to be supported:**

**Power Cables:**

twisted-pair cables, multi-conductor cables and more. **Data**

**Cables:** PoE (LED lights, security, building automation), fiber-optic cables, coaxial cables and more.



For data center installations, **keep bending radii in mind**, as data transmission integrity could suffer if cables are bent at extreme angles.



**The type of cable you are running and the system it powers**

can also affect whether you need fire integrity-rated products according to DIN 4102-12.



**Do you want a continuous or non-continuous system?**

For continuous, choose cable trays; for non-continuous use J-hooks.

## Continuous vs. Non-Continuous Systems

Continuous support systems consist of cable trays or other supports that run along the entire length of a cable run. In Power over Ethernet (PoE) applications, these may be perforated to allow heat dissipation or designed in a way that wires are spread out to avoid heat buildup. Alternatively, non-continuous options provide support at intervals for cables. J-hooks, popular for electrical/datacom applications, are an example of a non-continuous support component that holds up cables at a lower cost than cable trays while providing strong heat-dissipation performance. nVent CADDY J-Hook System is the only J-Hook that provides proper bend radius according to EN 50174-2 for cabling installation planning and practices inside buildings, helping ensure quality performance and connectivity. Non-continuous pathway support solutions, like J-hooks are up to 70% faster to install than continuous solutions, are often more cost-effective and tend to require less material. Many contractors and designers in Europe, are more accustomed to continuous solutions, like cable trays, especially for open-ceiling installations, and thus favor them in most applications. Regardless of your preference, nVent CADDY offers a wide variety of both continuous and non-continuous fixing, fastening and support products, providing many options for effective cable management design.

### LARGE



### MEDIUM



### SMALL



### ROOFTOPS



nVent CADDY products with partnership from Pemsa and Vantrunk.

 **pemsa**

 **VANTRUNK**



# nVent CADDY Wire Basket Tray Solutions

Pemsa Rejiband® Rapide Cable Tray – distributed by nVent CADDY – is a patented, tool-free, integrated coupling system, removing the need to use loose hardware in Wire Basket Tray installations. Its versatility and performance allows installers to quickly create bends, tees and crosses on site, to meet the specific needs of any type of infrastructure. Rejiband® Rapide Cable Tray is quick and easy, and ensures safety, resistance and strength in one click. Just click it!

nVent CADDY offers a complete range of Wire Basket Tray Solutions manufactured with the Rejiband® Rapide Cable Tray system. The nVent CADDY Wire Basket Trays reduce installation costs and time by integrating their own fixing system. Just like the rest of the nVent CADDY offering, this Wire Basket Tray system is safe, fast and easy: it protects the cables thanks to features like the safety edge, it installs in less than two seconds with only three basic steps. The high quality of steel ensures higher endurance, workloads, resistance on welding points and durability thanks to superior corrosion protection treatments.

## FEATURES & BENEFITS

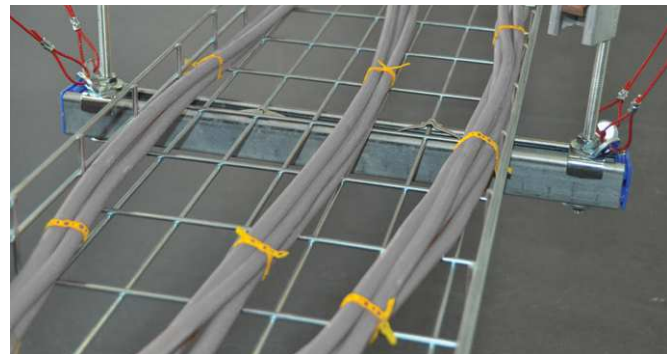
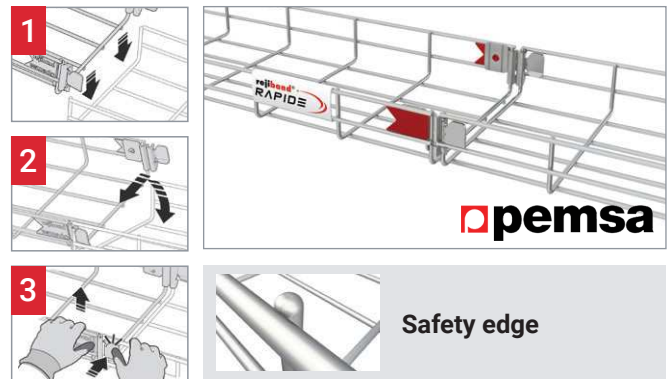
- Fully integrated coupling system – no loose parts
- Tool-free
- Reduces installation time and costs
- Complete range of sizes
- Strong and durable
- Environmentally friendly
- Guarantees electrical continuity
- Ideal to create complete cable pathway for data cables in white rooms

## AVAILABLE FINISHES

- Black C8®\* – innovative high-performance corrosion protection system (available upon request)
- Electrogalvanized steel
- Hot-dip galvanized mild steel (available upon request, without the Rapide System)
- Stainless steel 316 (available upon request, without the Rapide System)
- Stainless steel 304 (available upon request, without the Rapide System)

\* Black, corrosion protection finish with at least 1,500 hours resistance against red rust when tested per the ASTM B117 / EN ISO 9227 salt spray tests [Class 8, highest classification of the IEC 61537 standard].




















\*\*Available for Rejiband cable tray system.



## CERTIFICATIONS & APPROVALS



# nVent CADDY Wire Basket Tray Solutions

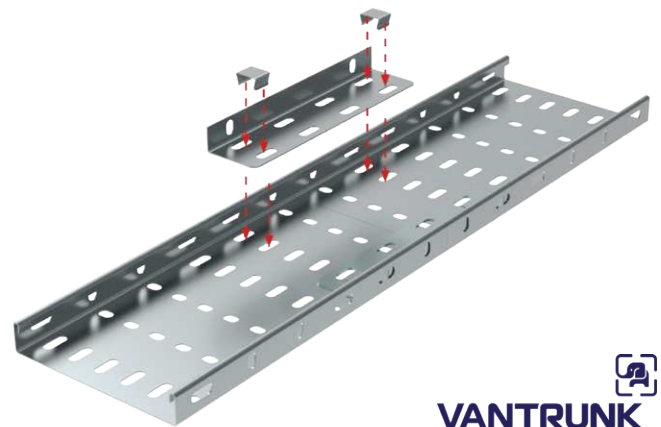
		nVent CADDY	Width					
			60	100	150	200	300	400
Wire Basket Tray* and Coupling/Connecting Accessories		Rapide Click Wire Mesh Tray System	✓	✓	✓	✓	✓	✓
		Cover	✓	✓	✓	✓	✓	✓
		Reinforced Joint Clamp				✓		
		Fast Clip				✓		
		Click Coupler				✓		
		Click Connector				✓		
		Splice Plate				✓		
		Part Clamp Kit				✓		
		Click Central Suspension			✓			
		Central Hanging Plate			✓			
		Light-Duty Ceiling Support		✓				
		Tool-free Ceiling Bracket		✓	✓	✓	✓	✓
		Tool-free L-Bracket		✓	✓	✓	✓	✓
		Tool-free Cantilever		✓	✓	✓	✓	✓
		Universal Bracket				✓		
		Cable Outlet				✓		
		Data Cable Outlet				✓		
		Box Support				✓		
		Floor Foot				✓		

\* 60 mm high Wire Basket Tray.

# nVent CADDY Perforated Cable Tray Solutions

Vantrunk UNIKLIP – distributed by nVent CADDY – is a tool-free, fast-fitting, Perforated Cable Tray system. This coupling system for perforated cable trays has been engineered with enhanced speed of installation and ease of use in mind, to provide a commercial advantage in a market where time efficiency is imperative.

nVent CADDY offers a complete range of Perforated Cable Tray Solutions manufactured with the UNIKLIP system. Electrical contractors can save up to 50% on overall project costs by switching from standard tray system to this simple, snap-in and secure system. The high quality of steel ensures higher endurance, workloads, resistance and durability thanks to superior corrosion protection treatments.

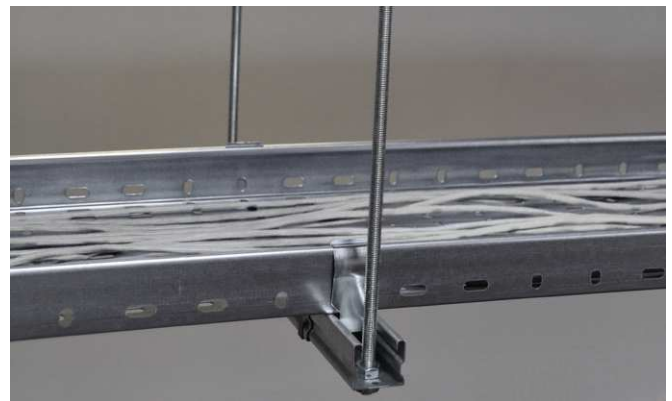


## FEATURES & BENEFITS

- Tool-free coupling system
- Reduces installation time and costs
- Complete range of sizes
- Strong and durable
- Environmentally friendly
- Guarantees electrical continuity

## AVAILABLE FINISHES

- Pre-galvanized steel
- Hot-dip galvanized mild steel (available upon request)
- Stainless steel 304 (available upon request)
- Stainless steel 316 (available upon request)



## CERTIFICATIONS & APPROVALS



		nVent CADDY	Width									
			50	75	100	150	225	300	450	500	600	
Perforated Cable Tray* and Coupling/Connecting Accessories		Straight Tray 3 m	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Flat Elbow 90**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Equal Tee**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Riser 90 Degree	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		Coupler Straight					✓					
		Uniklip					✓					

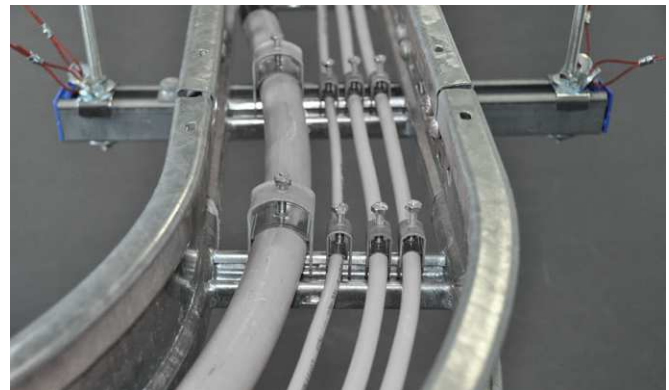
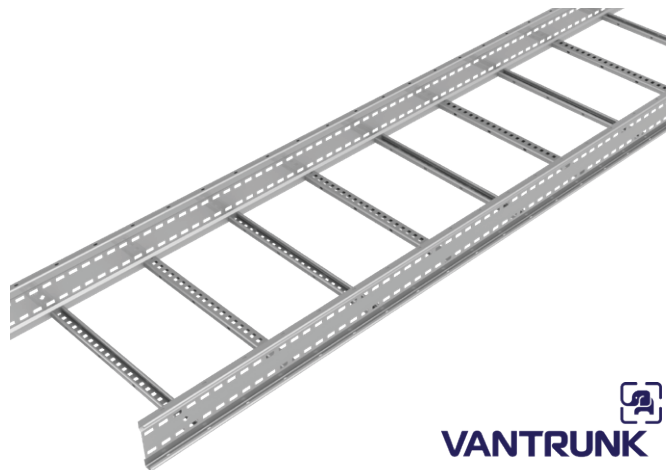
\* 50 mm high Perforated Cable Tray.

\*\* Integrated coupler and Uniklips included.

# nVent CADDY Cable Ladder Solutions

Vantrunk SPEEDWAY – distributed by nVent CADDY – is a major advancement in Cable Ladder design, providing a unique coupler locking system. The special profiled side section enhances structural rigidity, increases internal width for higher cable capacity, and increases performance coupling. The slotted side section allows for faster installation as the ladder can be cut to any length and coupled without on-site drilling, fixes to ladder sides and reduces weight. The welding of the shallow channel rungs to the lowest point of the side section guarantees maximum loading height, ensuring high strength even for the widest ladders. The shallow channel rungs are compatible with every known type of cleat, tie and bonding with infinite adjustment. They can be also alternately inverted on lengths, permitting suspension from the underside.

nVent CADDY offers a complete range of Cable Ladder Solutions manufactured with the SPEEDWAY coupler locking system. The nVent CADDY Cable Ladders reduce installation costs and time due to the slotted side section. The high quality of steel ensures higher endurance, workloads, resistance and durability thanks to superior corrosion protection treatments.



## FEATURES & BENEFITS

- No special tools required
- Reduces installation time and costs
  - Integral couplers on changes of direction – save up to 50% of installation time
  - Complete slotted side wall enables coupling anywhere when cut – no drilling needed
  - Overall installation can be cut by 67%
  - 3 m lengths as standard (6 m lengths available on request)
- Complete range of sizes
- Strong and durable
  - “I-Beam” side wall profile
- Increased cable capacity – up to 7.5% higher cable capacity compared to standard cable ladders
- Environmentally friendly
- Guarantees electrical continuity

## AVAILABLE FINISHES
















- Pre-galvanized steel (available upon request)
- Hot-dip galvanized steel
- Hot-dip galvanized deep (extreme) steel (available upon request)
- Stainless steel 316 (available upon request)

## CERTIFICATIONS & APPROVALS





# nVent CADDY Cable Ladder Solutions

		nVent CADDY	Width					
			150	300	450	600	750	900
Cable Ladder* and Coupling/Connecting Accessories		Straight Ladder 3 m	✓	✓	✓	✓	✓	✓
		Flat Elbow 45**	✓	✓	✓	✓	✓	✓
		Flat Elbow 90**	✓	✓	✓	✓	✓	✓
		Inside Riser 45**	✓	✓	✓	✓	✓	✓
		Outside Riser 45**	✓	✓	✓	✓	✓	✓
		Inside Riser 90**	✓	✓	✓	✓	✓	✓
		Outside Riser 90**	✓	✓	✓	✓	✓	✓
		Equal Tee**	✓	✓	✓	✓	✓	✓
		Equal Cross**	✓	✓	✓	✓	✓	✓
		Reducer Straight**	****	****	****	****	****	****
		Reducer Left**	****	****	****	****	****	****
		Reducer Right**	****	****	****	****	****	****
		Speedway Fixing Kit**				✓		
		Horizontal Adjustable Coupler***				✓		
		Vertical Adjustable Coupler***				✓		
		Coupler Straight***				✓		

\* 110 mm high Cable Ladder.

\*\* Integrated coupler and hardware included.

\*\*\* Hardware included.

\*\*\*\* Contact your Sales Rep.

# Innovative Installation Methods

Supporting and accommodating cables as well as understanding the different installation methods together with their needs is essential to any properly designed cable management system. The nVent CADDY Cable Management Range combined with the nVent CADDY's extensive Fixing and Fastening Solutions is suitable for any type of electrical/datacom installation – from threaded rods, to ceiling, beam, trapeze, rooftop/ground and wire hanging support.

Choose nVent CADDY for faster, easier and safer electrical/datacom installations.

## nVent CADDY Direct Support for Single Threaded Rods

### CABLE TRAY TO ROD CLIP



#### Features

- Supports cable tray up to 100 mm wide

## nVent CADDY Direct Support For Dual Threaded Rods

### ROD LOCK L-BRACKET



#### Features

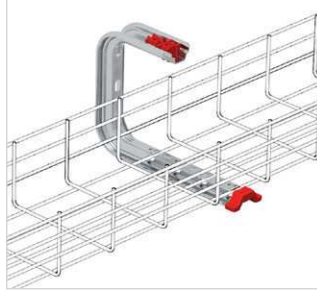
- Easy "push-to-install" design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Prefabricated assemblies easily lift and lock into place, helping to save time and money
- Lock nut can be finger tightened, locking the rod in place
- Integrated adjustment nut enables fine tuning the system height up or down
- Extremely useful in tight spaces where wrenches are difficult to use



# Innovative Installation Methods

## nVent CADDY Ceiling Support

### OMEGA SPLUS CEILING BRACKET



#### Features

- Suitable for ceiling installations
- Integrated and secure quick-connect system for wire basket tray

## nVent CADDY Beam Support

### CABLE TRAY WITH FLANGE CLIP



#### Features

- Quick and easy solution to support datacom cables along existing I-beams
- Half the weight and is an alternative to traditional cable tray
- Utilizes the lost space within the beam, modifying it to a practical cable tray

## nVent CADDY Wall Support

### CANTILEVER ARMS



#### Features

- Slotted channel
- Welded on flat mounting plate

## nVent CADDY Trapeze Support

### TELESCOPING SUPPORT BRACKETS



#### Features

- Standard strut profile runs the entire length of the part, allowing most standard fittings to be placed anywhere between the rods
- Spring steel retainer strap can be manually locked into place, allowing a tool-free installation
- Ready to use out of the box and eliminates the need for cutting sections of strut
- Pre-cut design is easier to transport and store than standard lengths of strut

# Innovative Installation Methods

## ROD LOCK SPRING STEEL STRUT NUT



### Features

- Easy “push-to-install” design allows installers to simply push the threaded rod through the mounting hole, instantly holding it in position
- Works with slightly damaged threads and minor burrs on the threaded rod
- Perfect for quickly installing branch runs either at the load with standard strut or at the structure in combination with embedded strut
- Integrated design eliminates the need for finicky spring nuts and loose hardware, simplifying installation
- Quickly wall mount enclosures using common threaded bolts
- Designed for use with standard strut widths (41 mm) both shallow and deep profiles

## WIRE BASKET TRAY CLIP



### Features

- Attaches wire basket tray to strut without additional hardware
- No tools required

## nVent CADDY Rooftop/Ground Support

### PYRAMID TOOL-FREE FOR PERFORATED CABLE TRAY SUPPORT KIT



### Features

- Push-in pins install without the need for additional tools
- Plastic pins and base will not corrode
- Pins and mounting holes accommodate most perforated cable tray
- Ready to use out of the box, saving installation time and labor
- Additional pins can be purchased separately
- Foam bottom offers low abrasion interface for better roof membrane protection
- Provides superior load distribution, even with varying rooftop surfaces
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Multiple sizes and load ratings offer the ability to tailor the solution to the application
- Easy to transport to the roof



# Innovative Installation Methods

## nVent CADDY Wire Hanging Support

### SPEED LINK SLK WITH Y-HOOK



#### Features

- Complete system includes wire, locking device and two pre-assembled hook end fittings
- Fastens to the building structure and hooks to hanging services and tray
- Spring latch helps provide secure connection
- Convenient design allows one hook to be temporarily detached for maintenance or to add cables to the tray
- Single drop with double hook provides increased stability to the system
- Also available in a single-hook end fitting configuration

### SPEED LINK SLS SYSTEM



#### Features

- Single barrel locking device allows for quick prefabrication of strut or brackets
- Push-on nut quickly and securely installs to strut or bracket to keep the locking device in position and eases installation
- Finger tightening of nut secures the locking device into position without tools
- Installs in strut profiles without the need to insert fingers or tools into the strut
- Push-on nut guides the cable into the locking device and brings stability to the support
- Installs with open side of the strut channel facing up or down for more flexibility

## Other nVent Accessories

### NVENT CADDY METAL ANCHORS



nVent CADDY offers a comprehensive range of drilling solutions covering an extensive variety of electrical and seismic applications. From light-duty, fire-rated push-in anchors to heavy-duty, seismic anchors, nVent CADDY offers the right anchoring solution for every project.

# Innovative Installation Methods

## Other nVent Accessories

### NVENT ERIFLEX MBJ GROUNDING AND BONDING BRAID, TINNED COPPER

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#### Features

- Complete range of earth/ground flexible connections from 6 – 100 mm<sup>2</sup> (11.84 – 197.35 kcmil) cross section and from 100 – 500 mm (3.937" – 19.685") length
- Integral palm, without tin or crimped lugs for superior electrical contact and tensile strength resistance
- Resistant to vibration and fatigue, reducing maintenance
- Provides weight savings, material savings and lower impedance when compared to similar lugged cables with insulation
- Ready to use out of the box, eliminates the need for cutting, stripping, crimping and punching
- Quick and easy to install
- Recommended by the EMC/EMI directives and less impedance than cables
- EAC compliant
- RoHS compliant
- Compliant to ISO 6469-1 (Electrically propelled road vehicles – Part 1: Rechargeable energy storage system) – Section 6.2.2 Vibrations

### NVENT CADDY C-EC CABLE TO STRUT CLAMP

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#### Features

- One-piece cable/conduit clamp with protective boot
- No screws or bolts to drop
- Requires only a screwdriver or nutdriver for installation
- Fits into open side of strut channel

### NVENT CADDY MILLE-TIE

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#### Features

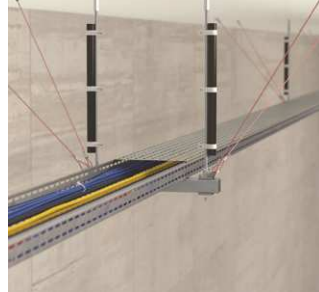
- Suitable for heavy duty applications
- Maintains cable properties and conductor configuration
- Protects cable from crimping with "Intelligent Grip Technology"
- Cushions vibration
- No sharp edges
- One size fits all
- Reusable



# Innovative Installation Methods

## Related nVent CADDY Solutions

### SEISMIC CABLE BRACING



To help ensure the availability and operation of safety systems after an earthquake event, many building and industry codes now include requirements for the design and installation of seismic sway bracing for non-structural components, such as fire sprinkler, mechanical, electrical and plumbing systems.

nVent CADDY cable bracing is a simple seismic bracing method for mechanical, electrical, plumbing (MEP) and fire sprinkler systems, including CPVC pipe systems. Cable bracing is the only option when brace lengths exceed the brace length limitation of 3 m for strut or when confined/crowded spaces make rigid systems difficult to install. The system includes steel cables complying with the ASCE® 19 pre-stretching requirements, attachment fittings, swaged oval sleeves & related tools, as well as pre-assembled kits.

### DETERMINING FACTORS IN BRACING

The requirements for seismic protection depend on the risk associated with the building considered as well as on how seismic is the zone in which the building is located. The higher the seismicity of the location and the greater the building occupancy, the more stringent the requirements. For example, a military or healthcare facility in a generally low seismic area will typically require bracing because of the building's importance to disaster recovery.



The majority of major earthquakes occur beneath the earth's surface around fault lines, the places where tectonic plates meet. Under pressure, the plates shift suddenly which causes rock to crack and movements in the earth's crust. The stored energy is released in the form of seismic waves of varying strength.

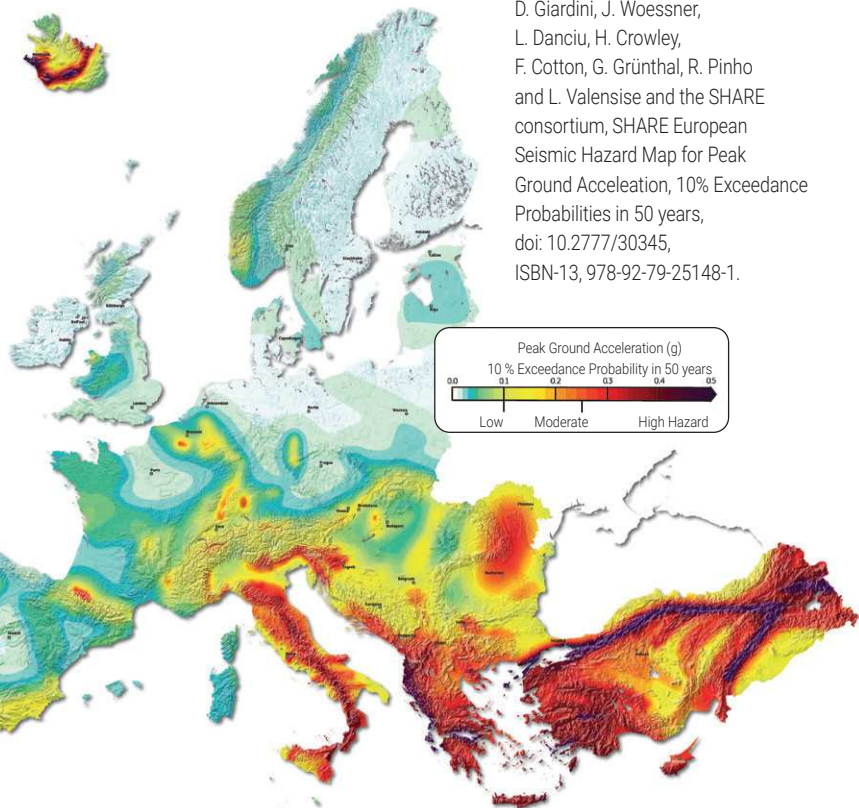
#### Risk Category

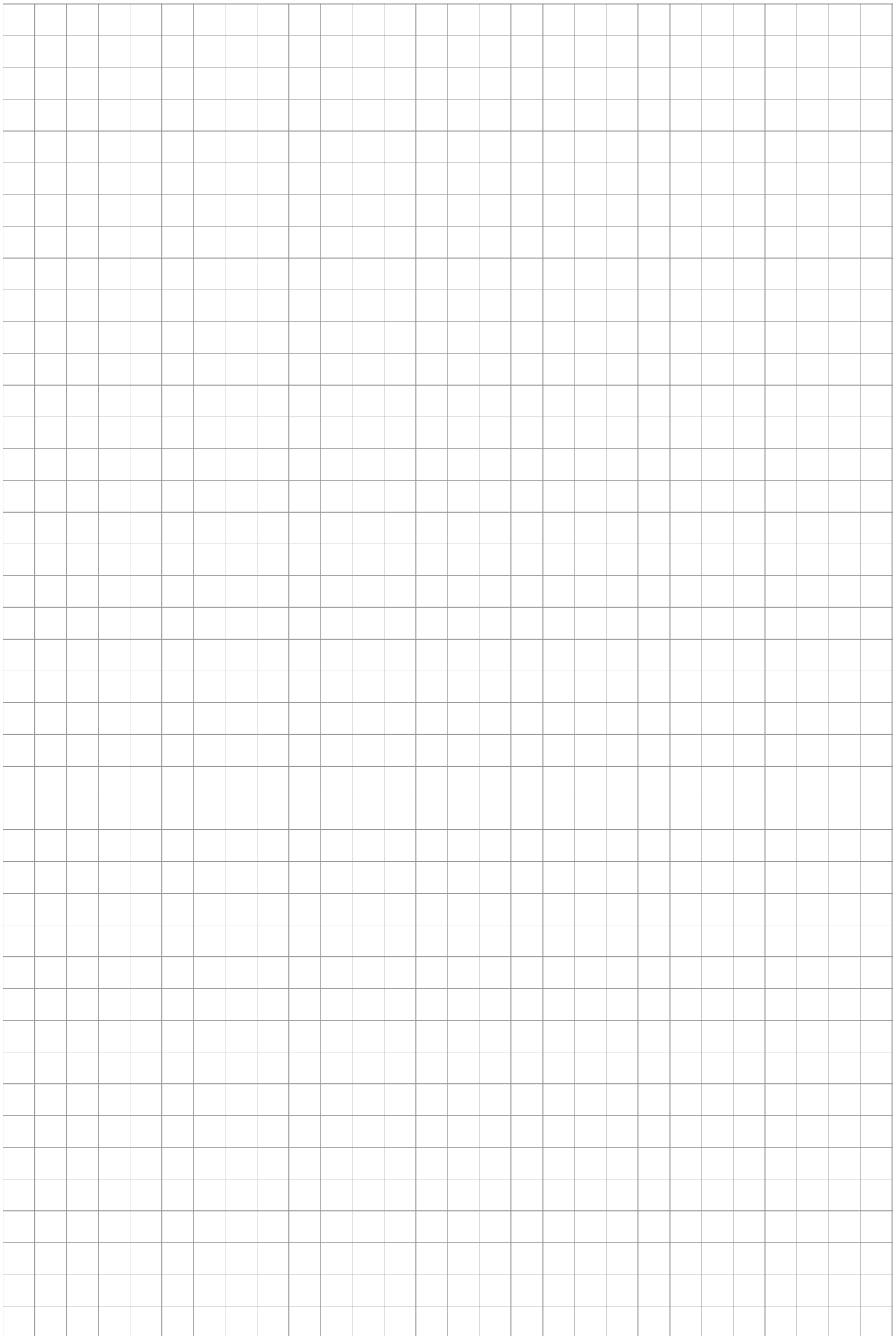
**Category I: Low hazard to human life, barns**

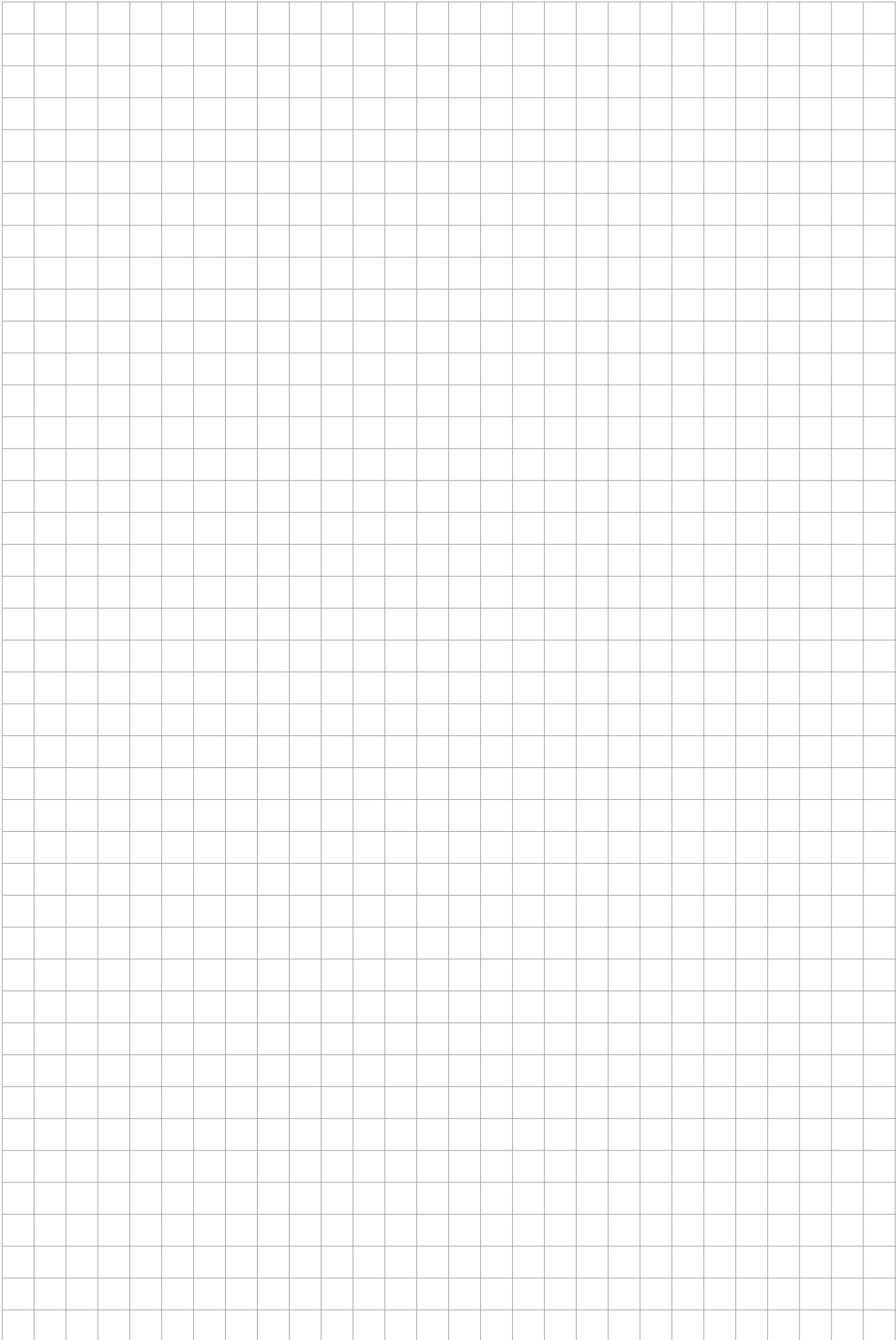
**Category II: Most buildings, residential, individual shops**

**Category III: High Occupancy, e.g. Stadiums, buildings containing hazardous materials**

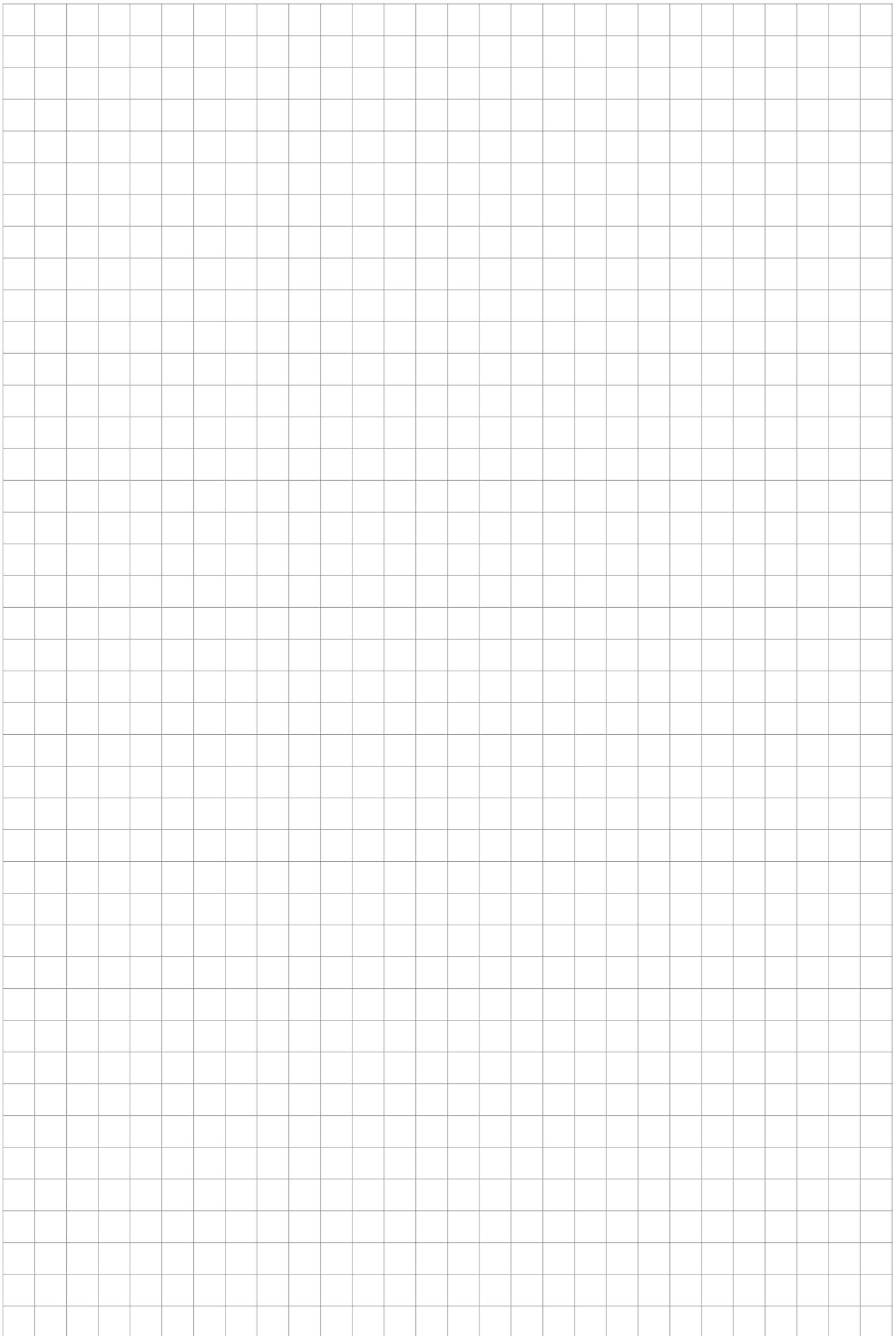
**Category IV: Hospitals and essential facilities, Government buildings, military facilities**

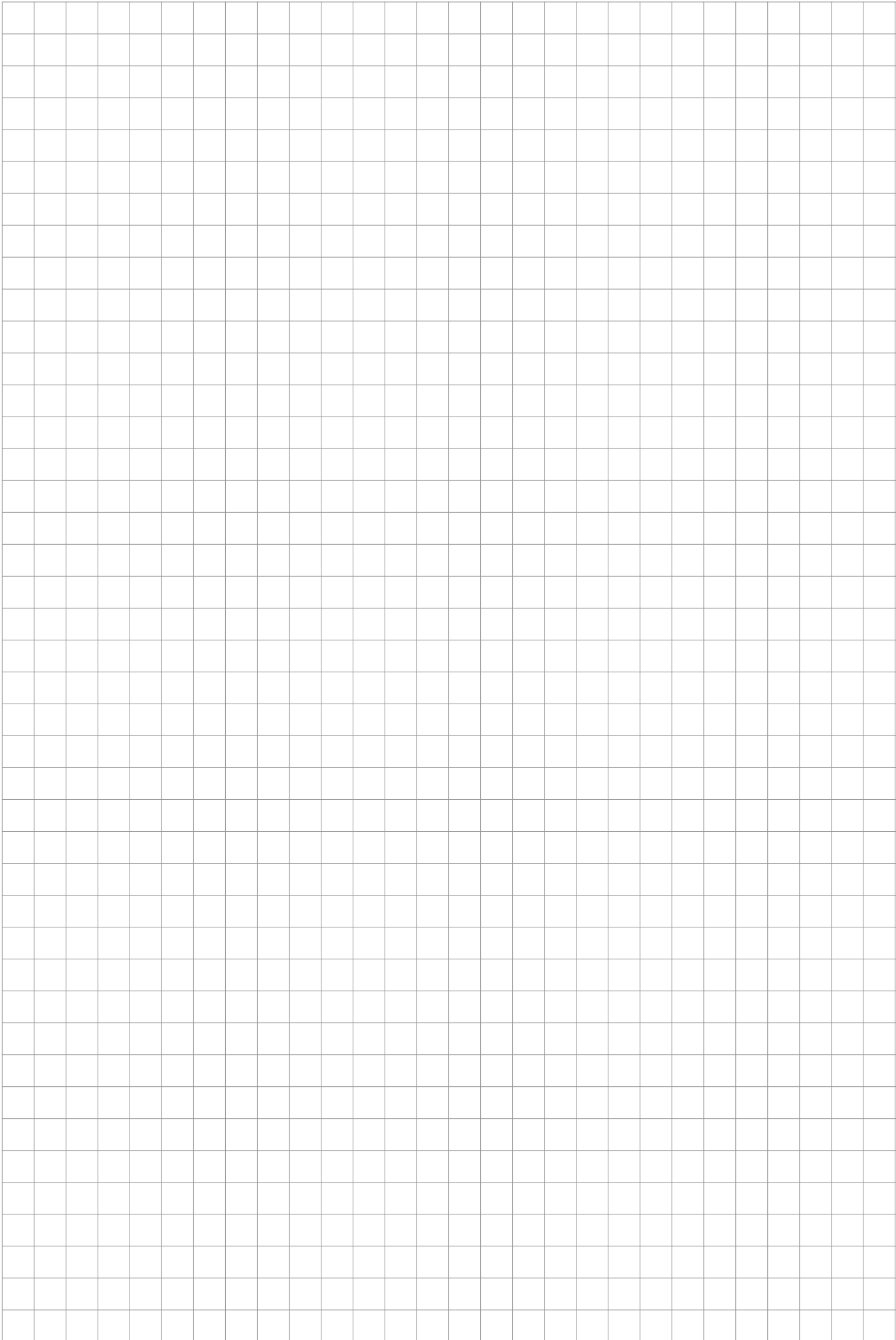












Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**



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