

NAV-TECH

An Eleconnex Company

DISTRIBUTOR CATALOG



About Nav-Tech:

Nav-Tech is a leading low voltage electrical utility metering, power distribution, and enclosure manufacturing company based in New York. We provide top-tier solutions for commercial, industrial, and residential applications with a commitment to quality, innovation, and customer satisfaction.

Our Mission:

At Nav-Tech, our mission is to design and manufacture high quality, cost effective and purpose-built electrical products that meet the evolving codes, and unique needs of our customers. We strive to engineer intelligent solutions in power distribution with safety, and installation efficiency in mind. Through our experienced engineers, sourcing expertise, cutting-edge manufacturing technology and superior craftsmanship, we create highly capable power distribution solutions.

What We Specialize in:

- Electrical Metering Solutions – UL Listed, engineered, utility low voltage metering enclosures to monitor and manage electrical consumption from 100A to 4000A services.
- Power Distribution Systems – Robust and scalable CT cabinet, switchboard and tap box solutions for efficient power distribution across facilities through UL 891 requirements.
- Stock or Custom Enclosures & Bus – Durable and high-quality furnished or unfurnished enclosures designed to protect electrical components and provide safety to customers in various environments.

Why Choose Nav-Tech?

- Industry Expertise – Backed by years of experience and a team of skilled professionals, we understand the complexities of modern electrical infrastructure.
- Innovative Solutions – We are never afraid to create unique and customer driven solutions that leverage the latest technology. We strive to create products that improve the installer and customer experience.
- Commitment to Quality – Our products are designed and manufactured to meet the highest industry standards, ensuring durability and performance.
- Customer-Centric Approach – We work closely with our clients to provide tailored solutions that fit their specific needs.

Contact Us:

For more information about our products and services, get in touch with us today. Let Nav-Tech be your trusted partner in electrical solutions.

NEMA Enclosures5

- Screw Cover Boxes Indoor6
- Screw Cover Boxes Raintight10
- Weatherproof Screw Cover Boxes14
- Hinge Cover Boxes Indoor17
- Weatherproof Hinge Cover Boxes19
- Submersible Hinge Cover Box23

NEMA Trough Wireways24

- Trough Wireway Indoor25
- Wireway Fittings27
- Trough Wireway Raintight28
- Weatherproof Wireway Trough30
- Wireway Fill Table33

Gang Boxes & Accessories34

- Gang Boxes35
- Raised Covers36
- Gang Box Collars37
- Flat Blank Covers, Toggle Switch Covers & Partitions38
- Accessories39

Bus Bars40

- Stock Patterns41
- Custom Patterns43
- Room Patterns45
- Ampacity Calculation46

Metering48

- Ring Type 5 Jaw Meter Sockets49
- Lever Bypass Self Contained Meter Sockets50
- Pre-Wired 30 Amp Meter Sockets56

Test Switches57

- 7-Pole & 10-Pole Bases, Custom Pole Arrangements, Color-Coded Handle58
- Options, Test Switch Covers, Test Switch Worksheet

CT Cabinets60

- Furnished CT Cabinets61
- Unfurnished CT Cabinets62
- Duquesne Light Co. CT Cabinets63
- NYSEG CT Cabinets64
- PECO65
- PEPCO66
- PPL67
- National Grid68
- RG&E69
- Con Ed CT Cabinets & Service Entrance Boxes70



Utility Packages71

- Duke Commercial Utility Service Package72
- Eversource Commercial Utility Service Package73
- FPL Commercial Utility Service Package74
- New Jersey Service Utility Packages – PSEG NJ & JCP&L75
- National Grid Utility Packages76
- PSEG LI Utility Service Equipment77

Disconnect & Transfer Switches78

- General Duty Disconnect Switches79
- Heavy Duty Disconnect Switches80
- Automatic Transfer Switches (ATS)82
- Manual Transfer Switches (MTS)83

Trans Sockets84

- Trans Sockets85
- First Energy Trans Sockets87

Trans Socket Disconnect Combos88

- Trans Socket with Disconnect89
- Con Ed Approved CT Cabinet with Main Disconnect91

Switchboards92

- MR Line / BH Line93
- Structure Examples94
- Feeder Structures95
- Rapid Panelboard Program97

Tap Boxes98

- Multi-Tenant Tap Boxes (NAV-FAB Series), Wall- & Pad-Mount99
- Configurations, Optional Penta-Bolt Anti-Theft Locking

Fire Alarm Products100

- Fire Alarm Boxes & Control Panels101

Elevator Equipment102

Index114



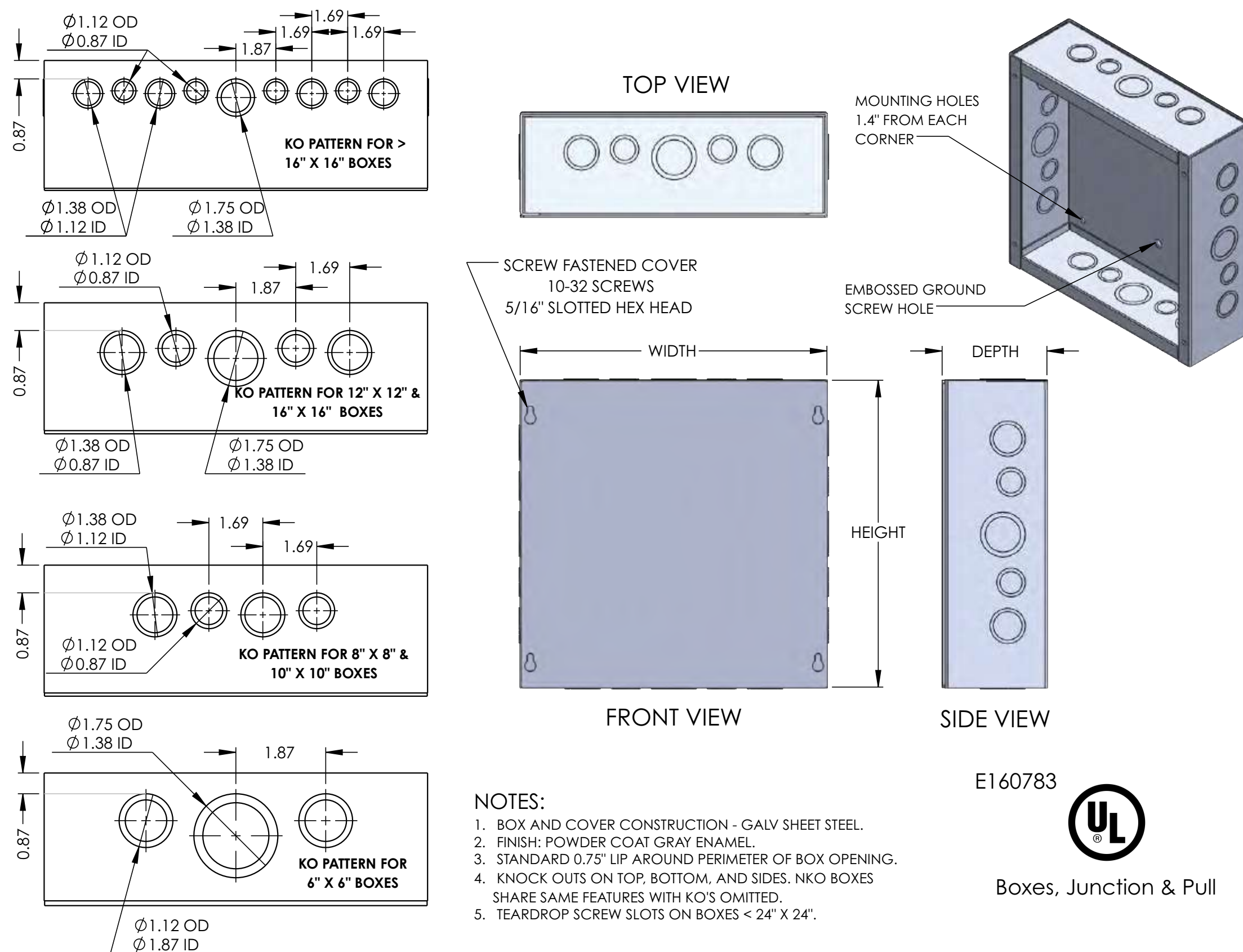
Description:

Nav-Tech NEMA enclosures are engineered for reliable protection of electrical and control equipment in indoor and outdoor applications. Available in configurations spanning NEMA 1, NEMA 3R, and NEMA 4X ratings, these enclosures deliver durability, flexibility, and compliance with UL and NEMA standards across a wide range of applications.

Contents:

Screw Cover Boxes NEMA 1 Indoor
Screw Cover Boxes NEMA 3R Outdoor
Weatherproof Screw Cover Boxes NEMA 3/4/12/13
Hinge Screw Cover Box NEMA 1
Weatherproof Hinge Cover Box NEMA 4X
Submersible Hinge Cover Box Type 6/6P
Oversized Cabinets





Features

- Enclosure and cover are produced with 16, 14, or 12 gauge steel in accordance with UL standards.
- Available with or without knockouts. For no knockouts, refer to suffix -NK in catalog number.
- Available with or without paint. For no paint, refer to suffix -NP in catalog number. Unpainted enclosures are made to order.
- Covers have teardrop slots for easy installation and are attached to body with plated screws.
- Grounding embossment standard in rear of box. Grounding screws sold separately.
- Holes are incorporated into the back of enclosure for mounting.
- ANSI 61 wrinkle gray polyester powder coating.
- Available Accessories: Flush cover, replacement cover, extra screws, ground screws, back plates.

Application

- Designed for use as a junction box or pull box.
- For indoor use to provide protection against contact with enclosed equipment where moisture and dust are not a problem.

- UL 50 listed
- NEMA 1 enclosure



*Stainless steel or aluminum available upon request
*Additional sizes available upon request

No Knockouts		
Catalog Number	H x W x D (Inches)	UPC Codes
SC664NK	6 x 6 x 4	616983211205
SC666NK	6 x 6 x 6	616983211229
SC884NK	8 x 8 x 4	616983211250
SC886NK	8 x 8 x 6	616983211274
SC888NK	8 x 8 x 8	616983211281
SC10104NK	10 x 10 x 4	616983210581
SC10106NK	10 x 10 x 6	616983210604
SC10108NK	10 x 10 x 8	616983210628
SC12124NK	12 x 12 x 4	616983210642
SC12126NK	12 x 12 x 6	616983210666
SC12128NK	12 x 12 x 8	616983210673
SC16168NK	16 x 16 x 8	705332309899
SC18126NK	18 x 12 x 6	616983210734
SC18184NK	18 x 18 x 4	616983210772
SC18186NK	18 x 18 x 6	705332319119
SC18188NK	18 x 18 x 8	705332319126
SC181810	18 x 18 x 10	705332319102
SC181812NK	18 x 18 x 12	616983210758
SC24126NK	24 x 12 x 6	616983210840
SC24244NK	24 x 24 x 4	616983210932
SC24246NK	24 x 24 x 6	616983210956
SC24248NK	24 x 24 x 8	616983210963
SC242410NK	24 x 24 x 10	616983210895
SC242412NK	24 x 24 x 12	616983210901
SC242418NK	24 x 24 x 18	616983210918
SC30306NK	30 x 30 x 6	616983211014
SC30308NK	30 x 30 x 8	616983211021
SC303010NK	30 x 30 x 10	616983210970
SC303012NK	30 x 30 x 12	616983210987
SC303018NK	30 x 30 x 18	616983210994
SC36248NK	36 x 24 x 8	616983211076
SC362412NK	36 x 24 x 12	616983211052
SC36366NK	36 x 36 x 6	616983211120
SC36368NK	36 x 36 x 8	616983211137
SC363610NK	36 x 36 x 10	616983211083
SC363612NK	36 x 36 x 12	616983211090
SC363618NK	36 x 36 x 18	616983211106
SC363624NK	36 x 36 x 24	616983211113
SC484812NK	48 x 48 x 12	705332319140
SC484824NK	48 x 48 x 24	616983211175

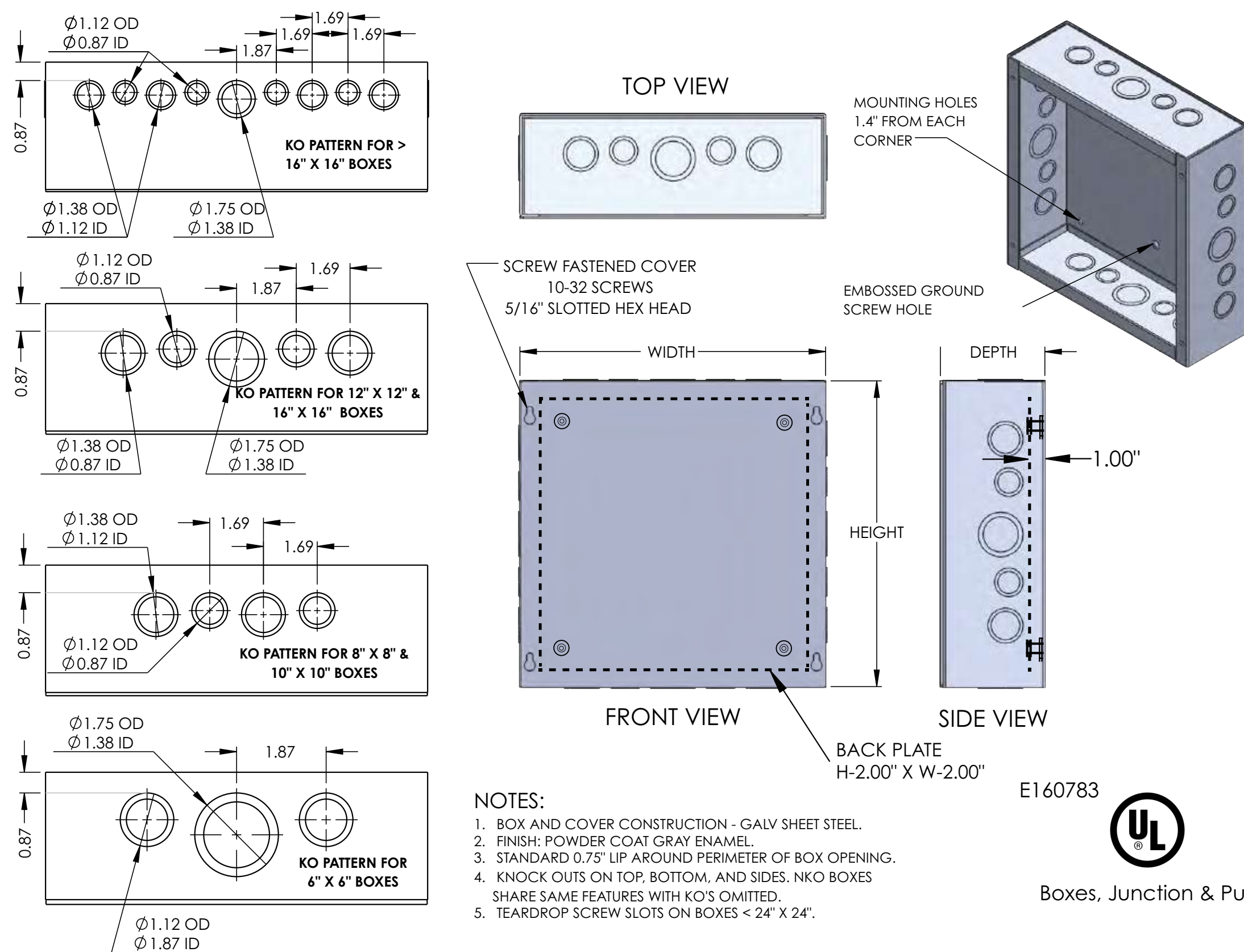
Knockouts		
Catalog Number	H x W x D (Inches)	UPC Codes
SC664	6 x 6 x 4	616983211199
SC666	6 x 6 x 6	616983211212
SC864	8 x 6 x 4	616983211236
SC884	8 x 8 x 4	616983211243
SC886	8 x 8 x 6	616983211267
SC10104	10 x 10 x 4	616983210574
SC10106	10 x 10 x 6	616983210598
SC12124	12 x 12 x 4	616983210635
SC12126	12 x 12 x 6	616983210659
SC16126	16 x 12 x 6	616983210680
SC16164	16 x 16 x 4	616983210697
SC16166	16 x 16 x 6	616983210703
SC18124	18 x 12 x 4	616983210710
SC18126	18 x 12 x 6	616983210727
SC18184	18 x 18 x 4	616983210765
SC18186	18 x 18 x 6	616983210789
SC24126	24 x 12 x 6	616983210833
SC24186	24 x 18 x 6	616983210888
SC24244	24 x 24 x 4	616983210925
SC24246	24 x 24 x 6	616983210949
SC30304	30 x 30 x 4	705332319133
SC30306	30 x 30 x 6	
SC484824	48 x 48 x 24	



- UL 50 listed
- NEMA 1 enclosure



Screw Cover Boxes NEMA 1 Indoor With Back Plate



Features

- Enclosure and cover are produced with 16, 14, or 12 gauge steel in accordance with UL standards.
- Available with or without knockouts. For no knockouts, refer to suffix -NK in catalog number.
- Available with or without paint. For no paint, refer to suffix -NP in catalog number. Unpainted enclosures are made to order.
- Covers have teardrop slots for easy installation and are attached to body with plated screws.
- Grounding embossment standard in rear of box. Grounding screws sold separately.
- Holes are incorporated into the back of enclosure for mounting.
- ANSI 61 wrinkle gray polyester powder coating.
- Available Accessories: Flush cover, replacement cover, extra screws, ground screws, back plates.

Application

- Designed for use as a junction box or pull box.
- For indoor use to provide protection against contact with enclosed equipment where moisture and dust are not a problem.

- UL 50 listed
- NEMA 1 enclosure



Screw Cover Boxes NEMA 1
Indoor With Back Plate

9

*Stainless steel or aluminum available upon request
*Additional sizes available upon request
*Suffix-BP included for enclosures with back plate

No Knockouts	
Catalog Number	H x W x D (Inches)
SC664NK-BP	6 x 6 x 4
SC666NK-BP	6 x 6 x 6
SC884NK-BP	8 x 8 x 4
SC886NK-BP	8 x 8 x 6
SC888NK-BP	8 x 8 x 8
SC10104NK-BP	10 x 10 x 4
SC10106NK-BP	10 x 10 x 6
SC10108NK-BP	10 x 10 x 8
SC12124NK-BP	12 x 12 x 4
SC12126NK-BP	12 x 12 x 6
SC12128NK-BP	12 x 12 x 8
SC16168NK-BP	16 x 16 x 8
SC18126NK-BP	18 x 12 x 6
SC18184NK-BP	18 x 18 x 4
SC18186NK-BP	18 x 18 x 6
SC18188NK-BP	18 x 18 x 8
SC181810-BP	18 x 18 x 10
SC181812NK-BP	18 x 18 x 12
SC24126NK-BP	24 x 12 x 6
SC24244NK-BP	24 x 24 x 4
SC24246NK-BP	24 x 24 x 6
SC24248NK-BP	24 x 24 x 8
SC242410NK-BP	24 x 24 x 10
SC242412NK-BP	24 x 24 x 12
SC242418NK-BP	24 x 24 x 18
SC30306NK-BP	30 x 30 x 6
SC30308NK-BP	30 x 30 x 8
SC303010NK-BP	30 x 30 x 10
SC303012NK-BP	30 x 30 x 12
SC303018NK-BP	30 x 30 x 18
SC36248NK-BP	36 x 24 x 8
SC362412NK-BP	36 x 24 x 12
SC36366NK-BP	36 x 36 x 6
SC36368NK-BP	36 x 36 x 8
SC363610NK-BP	36 x 36 x 10
SC363612NK-BP	36 x 36 x 12
SC363618NK-BP	36 x 36 x 18
SC363624NK-BP	36 x 36 x 24
SC484812NK-BP	48 x 48 x 12
SC484824NK-BP	48 x 48 x 24

Knockouts	
Catalog Number	H x W x D (Inches)
SC664-BP	6 x 6 x 4
SC666-BP	6 x 6 x 6
SC864-BP	8 x 6 x 4
SC884-BP	8 x 8 x 4
SC886-BP	8 x 8 x 6
SC10104-BP	10 x 10 x 4
SC10106-BP	10 x 10 x 6
SC12124-BP	12 x 12 x 4
SC12126-BP	12 x 12 x 6
SC16126-BP	16 x 12 x 6
SC16164-BP	16 x 16 x 4
SC16166-BP	16 x 16 x 6
SC18124-BP	18 x 12 x 4
SC18126-BP	18 x 12 x 6
SC18184-BP	18 x 18 x 4
SC18186-BP	18 x 18 x 6
SC24126-BP	24 x 12 x 6
SC24186-BP	24 x 18 x 6
SC24244-BP	24 x 24 x 4
SC24246-BP	24 x 24 x 6
SC30306-BP	30 x 30 x 6



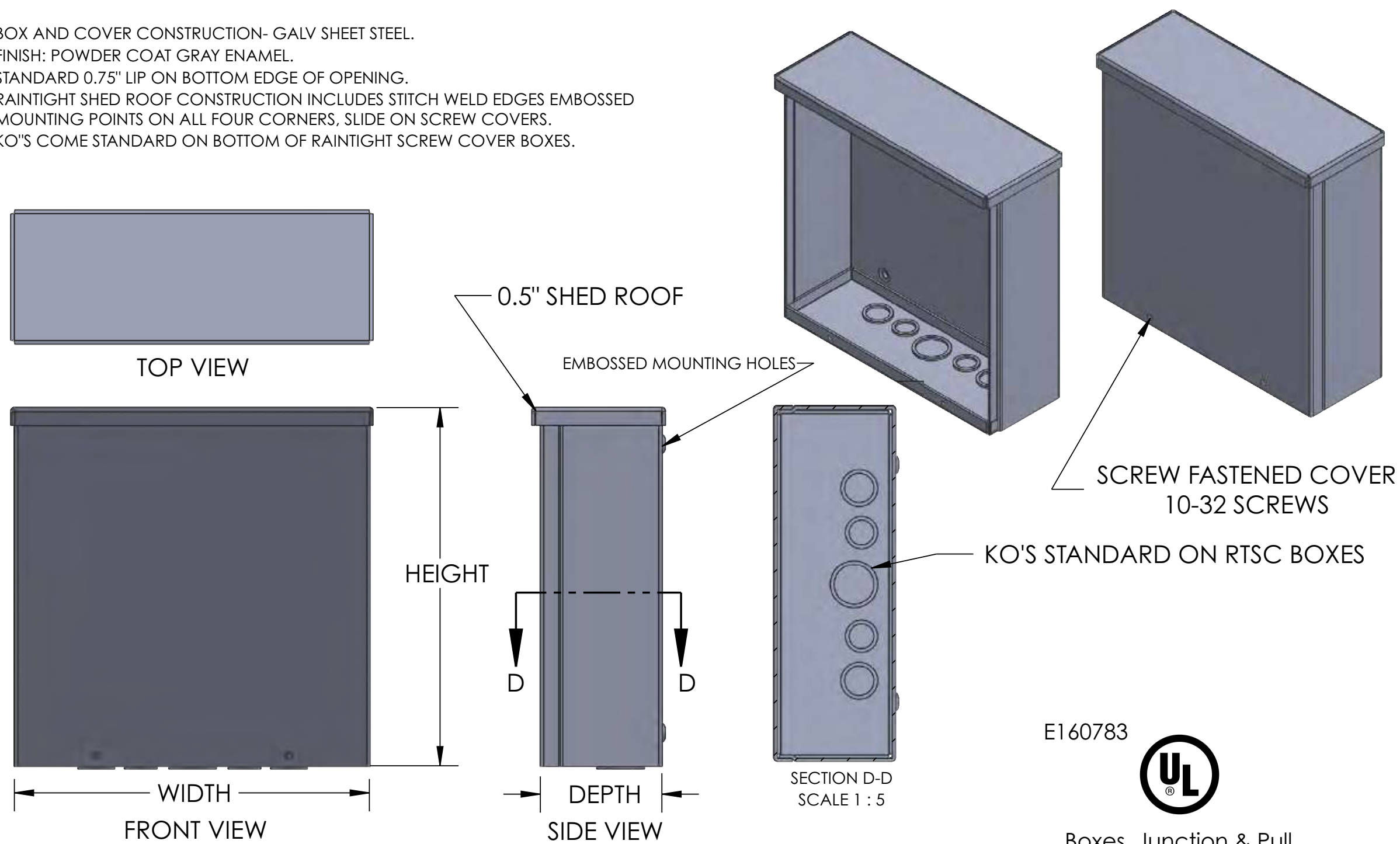
- UL 50 listed
- NEMA 1 enclosure



Screw Cover Boxes NEMA 3R Raintight Outdoor

NOTES:

1. BOX AND COVER CONSTRUCTION- GALV SHEET STEEL.
2. FINISH: POWDER COAT GRAY ENAMEL.
3. STANDARD 0.75" LIP ON BOTTOM EDGE OF OPENING.
4. RAIN TIGHT SHED ROOF CONSTRUCTION INCLUDES STITCH WELD EDGES EMBOSSED MOUNTING POINTS ON ALL FOUR CORNERS, SLIDE ON SCREW COVERS.
5. KO'S COME STANDARD ON BOTTOM OF RAIN TIGHT SCREW COVER BOXES.



E160783



Boxes, Junction & Pull

Features

- Enclosure and cover are manufactured from 16, 14, or 12 gauge G90 galvanized steel in accordance with UL Standards.
- The cover is designed to fit under the shed roof, held in place with plated steel screws.
- Available with or without paint—for no paint refer to suffix -NP in the catalog number. Unpainted enclosures are made to order.
- Boxes are available with or without concentric knockouts on the bottom—for no knockouts refer to suffix -NK in the catalog number. NK boxes are made to order.
- Mounting holes are embossed on the rear of each enclosure.
- ANSI 61 gray polyester powder coating wrinkle.
- Available Accessories: Replacement cover, touch-up paint, barrel lock, replacement screws, backplates, ground screws.

Application

- Designed for use as a junction box or pull box.
- For outdoor use to provide protection against rain, sleet or snow, or indoors where dripping water is a problem.

- NEMA Type 3R
- UL 50 Type 3R
- cUL Type 3R (equivalent to CSA)



*Stainless steel or aluminum available upon request
*Additional sizes available upon request

Catalog Number	H x W x D (Inches)	UPC Codes
RTSC664	6x6x4	616983210383
RTSC666	6X6X6	616983210390
RTSC884	8x8x4	616983210406
RTSC886	8x8x6	616983210413
RTSC10104	10x10x4	616983210321
RTSC10106	10x10x6	616983210338
RTSC12124	12x12x4	616983210345
RTSC12126	12x12x6	616983210352
RTSC18186	18x18x6	616983210369
RTSC24246	24x24x6	616983210376



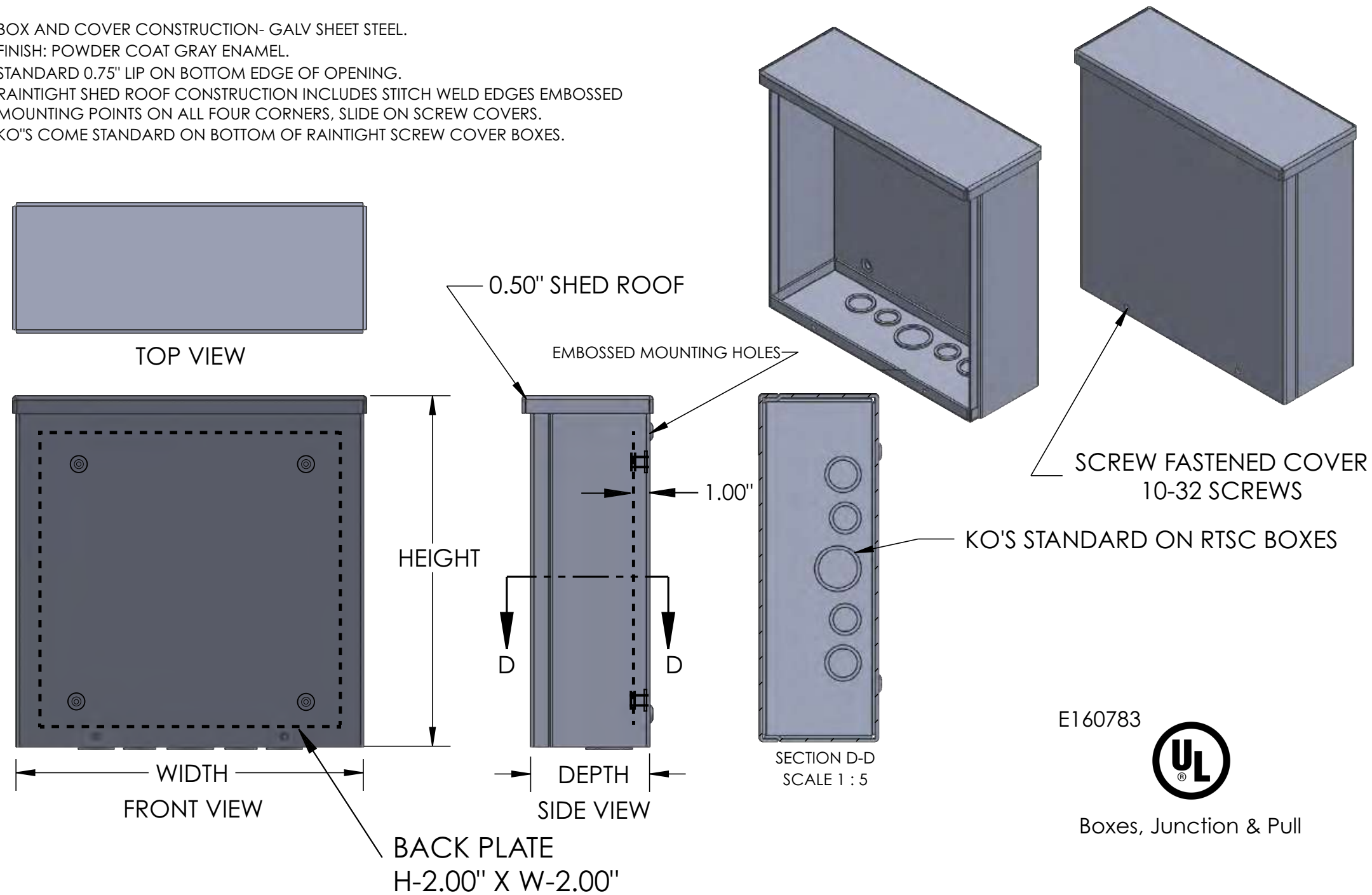
- NEMA Type 3R
- UL 50 Type 3R
- cUL Type 3R (equivalent to CSA)



Screw Cover Boxes NEMA 3R Raintight Outdoor With Back Plate

NOTES:

1. BOX AND COVER CONSTRUCTION- GALV SHEET STEEL.
2. FINISH: POWDER COAT GRAY ENAMEL.
3. STANDARD 0.75" LIP ON BOTTOM EDGE OF OPENING.
4. RAIN TIGHT SHED ROOF CONSTRUCTION INCLUDES STITCH WELD EDGES EMBOSSED MOUNTING POINTS ON ALL FOUR CORNERS, SLIDE ON SCREW COVERS.
5. KO'S COME STANDARD ON BOTTOM OF RAIN TIGHT SCREW COVER BOXES.



E160783



Boxes, Junction & Pull

Features

- Enclosure and cover are manufactured from 16, 14, or 12 gauge G90 galvanized steel in accordance with UL Standards.
- The cover is designed to fit under the shed roof, held in place with plated steel screws.
- Available with or without paint—for no paint refer to suffix -NP in the catalog number. Unpainted enclosures are made to order.
- Boxes are available with or without concentric knockouts on the bottom—for no knockouts refer to suffix -NK in the catalog number. NK boxes are made to order.
- Mounting holes are embossed on the rear of each enclosure.
- ANSI 61 gray polyester powder coating wrinkle.
- Available Accessories: Replacement cover, touch-up paint, barrel lock, replacement screws, backplates, ground screws.

Application

- Designed for use as a junction box or pull box.
- For outdoor use to provide protection against rain, sleet or snow, or indoors where dripping water is a problem.

- NEMA Type 3R
- UL 50 Type 3R
- cUL Type 3R (equivalent to CSA)



Screw Cover Boxes NEMA 3R
Raintight Outdoor With Back Plate

13

*Stainless steel or aluminum available upon request
*Additional sizes available upon request
*Suffix-BP included for enclosures with back plate

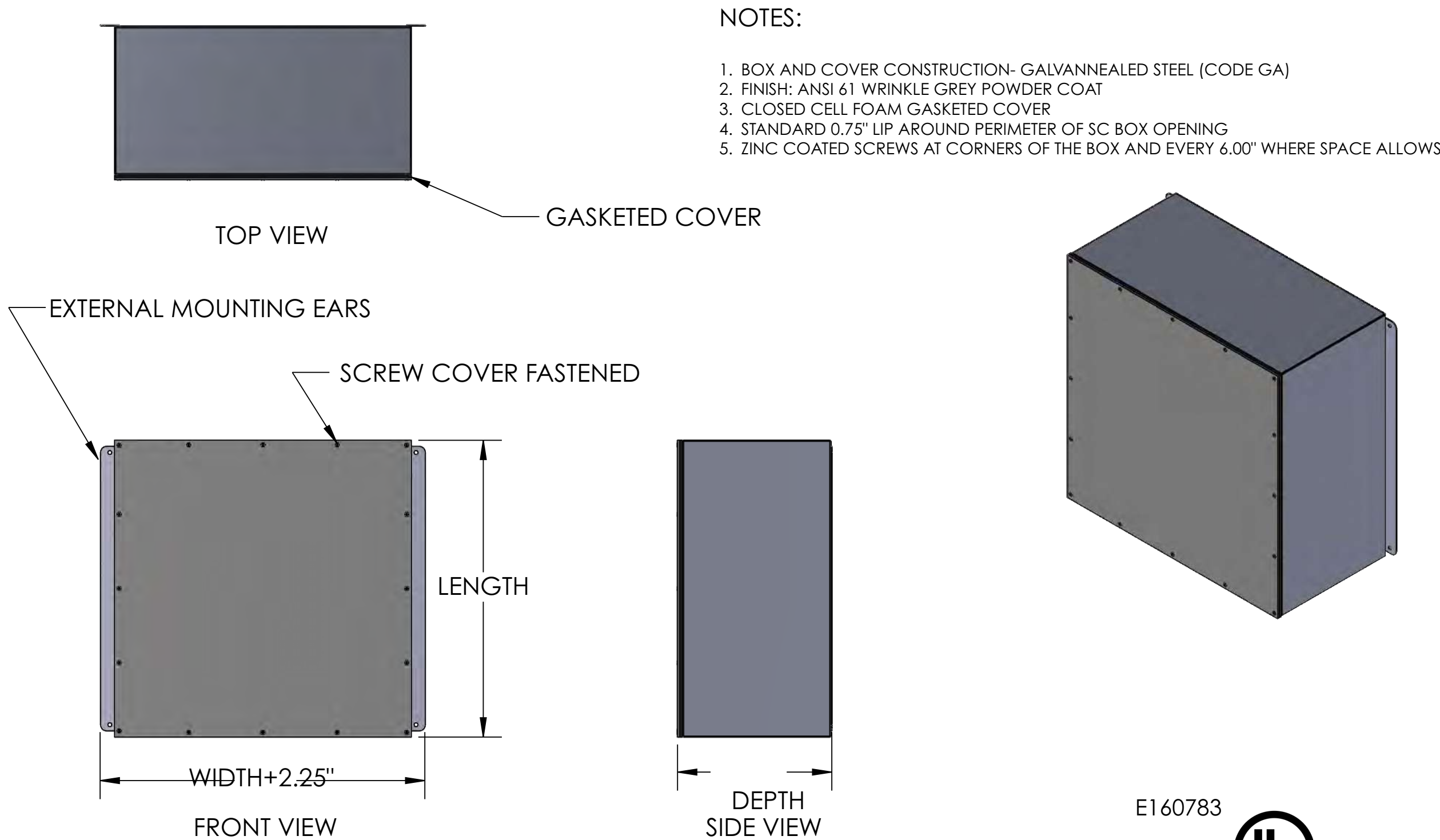
Catalog Number	H x W x D (Inches)
RTSC664-BP	6x6x4
RTSC666-BP	6X6X6
RTSC884-BP	8x8x4
RTSC886-BP	8x8x6
RTSC10104-BP	10x10x4
RTSC10106-BP	10x10x6
RTSC12124-BP	12x12x4
RTSC12126-BP	12x12x6
RTSC18186-BP	18x18x6
RTSC24246-BP	24x24x6



- NEMA Type 3R
- UL 50 Type 3R
- cUL Type 3R (equivalent to CSA)



Weatherproof Screw Cover Boxes NEMA 3/4/12/13 Outdoor



E160783



Boxes, Junction & Pull

Features

- Enclosure and cover are manufactured from 16, 14, or 12 gauge G90 galvanized steel in accordance with UL Standards.
- All WPSC boxes come without knockouts and are continuously welded and ground smooth.
- Available with or without paint and in stainless steel.
- Covers are neoprene gasketed and fastened with plated screws.
- External mounting ears are standard.
- ANSI 61 wrinkle gray polyester powder coat standard finish.
- Available Accessories: Flush cover, replacement cover, extra screws, ground screws, back plates.

Application

- Designed for use as a junction box or pull box.
- For indoor or outdoor use to provide protection against dust, moisture, splashing and hose directed water.

- NEMA Types 3/4/12/13
- UL 50 Types 3/4/12/13
- cUL Types 3/4/12/13



*Stainless steel or aluminum available upon request
*Additional sizes available upon request

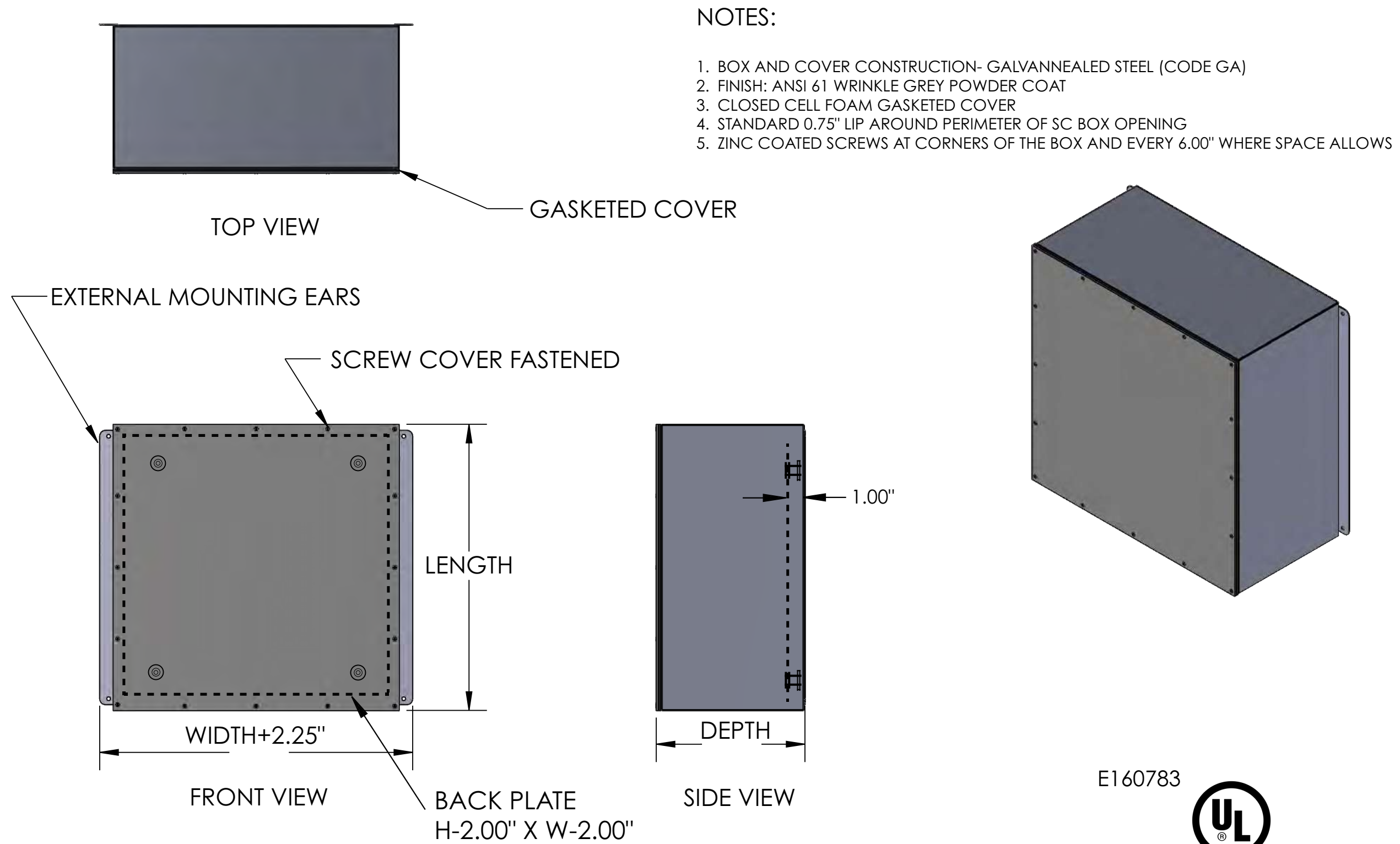
Catalog Number	Dimensions H x W x D (Inches)	UPC Codes
WPSC664	6x6x4	616983212783
WPSC666	6x6x6	616983212813
WPSC864	8x6x4	616983212820
WPSC884	8x8x4	616983212837
WPSC886	8x8x6	616983212868
WPSC10104	10x10x4	616983212509
WPSC10106	10x10x6	616983212523
WPSC12124	12x12x4	616983212547
WPSC12126	12x12x6	616983212578
WPSC12128	12X12X8	616983212592
WPSC18184	18x18x4	616983212608
WPSC18186	18x18x6	616983212622
WPSC181810	18X18X10	705332319188
WPSC24246	24x24x6	616983212684
WPSC24248	24x24x8	616983212691
WPSC242412	24x24x12	616983212660
WPSC242410	24X24X10	616983212646
WPSC30308	30X30X8	616983212721
WPSC303010	30X30X10	616983212707
WPSC303012	30x30x12	616983212714
WPSC363612	36x36x12	616983212738
WPSC484812	48x48x12	616983212769
WPSC484824	48x48x24	616983212776



- NEMA Types 3/4/12/13
- UL 50 Types 3/4/12/13
- CUL Types 3/4/12/13



Weatherproof Screw Cover Boxes NEMA 3/4/12/13 Outdoor With Back Plate



Features

- Enclosure and cover are manufactured from 16, 14, or 12 gauge G90 galvanized steel in accordance with UL Standards.
- All WPSC boxes come without knockouts and are continuously welded and ground smooth.
- Available with or without paint and in stainless steel.
- Covers are neoprene gasketed and fastened with plated screws.
- External mounting ears are standard.
- ANSI 61 wrinkle gray polyester powder coat standard finish.
- Available Accessories: Flush cover, replacement cover, extra screws, ground screws, back plates.

Application

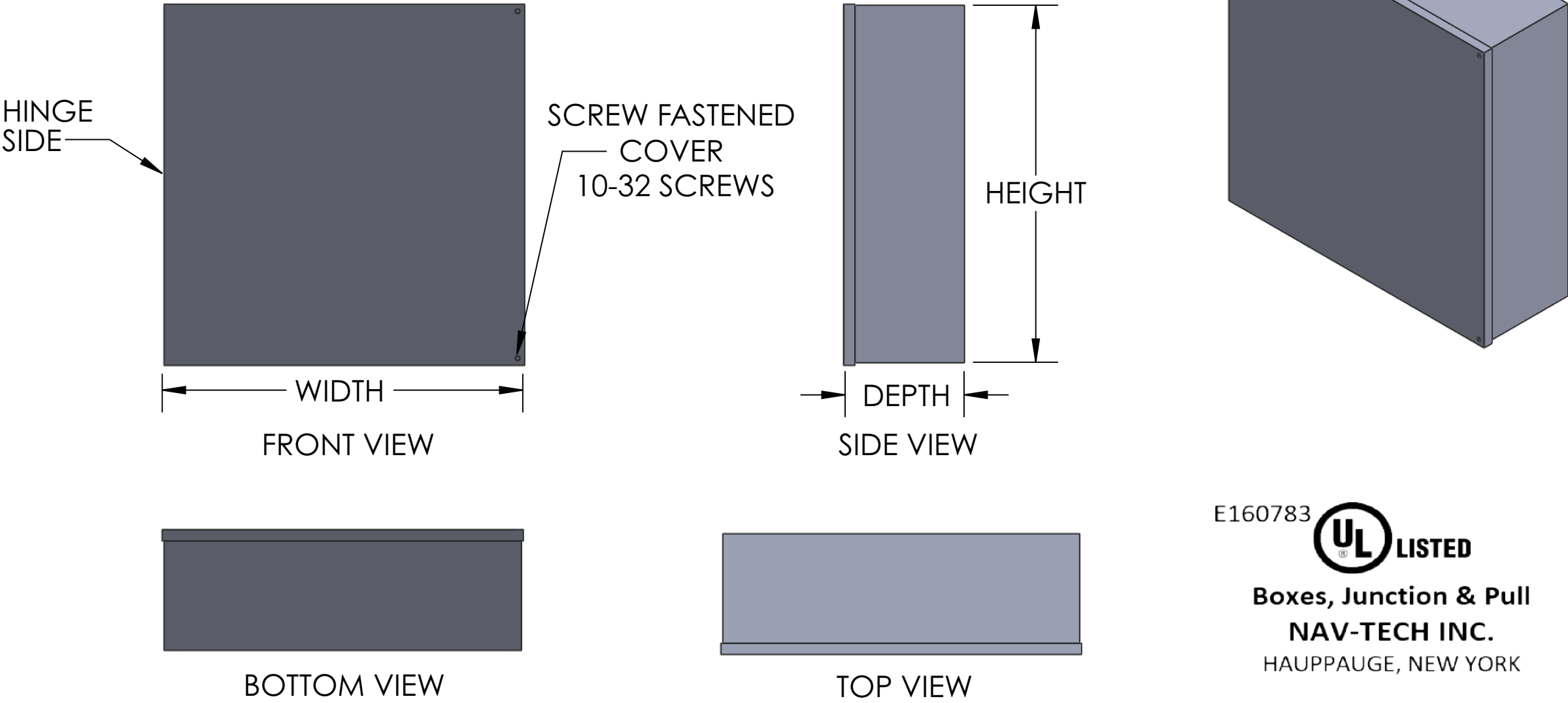
- Designed for use as a junction box or pull box.
- For indoor or outdoor use to provide protection against dust, moisture, splashing and hose directed water.

- NEMA Types 3/4/12/13
- UL 50 Types 3/4/12/13
- cUL Types 3/4/12/13



NOTES:

- 1. BOX AND COVER CONSTRUCTION - GALV SHEET STEEL.
- 2. FINISH: POWDER COAT GRAY ENAMEL.
- 3. STANDARD 0.75" LIP AROUND PERIMETER OF BOX OPENING.
- 4. STITCH WELD CONSTRUCTION WITH HINGED FLANGED SCREW COVER.



E160783  LISTED
Boxes, Junction & Pull
NAV-TECH INC.
HAUPPAUGE, NEW YORK

Features

- Enclosure and cover are produced with 16, 14, or 12 gauge steel in accordance with UL standards.
- Flanged steel door provided with a continuous steel piano hinge.
- Hinge cover boxes are fastened by default with screws. A flush coin-turn latch or keyed locks available by request.
- Available with or without knockouts. For no knockouts, refer to suffix -NK in catalog number.
- Available with or without paint. For no paint, refer to suffix -NP in catalog number. Unpainted enclosures are made to order.
- Grounding embossment standard in rear of box. Grounding screws sold separately.
- Holes are incorporated into the back of the enclosure for mounting.
- ANSI 61 wrinkle gray polyester powder coating.
- Available Accessories: Flush coin-turn latch, keyed turn latch, ground screws, replacement cover screws.

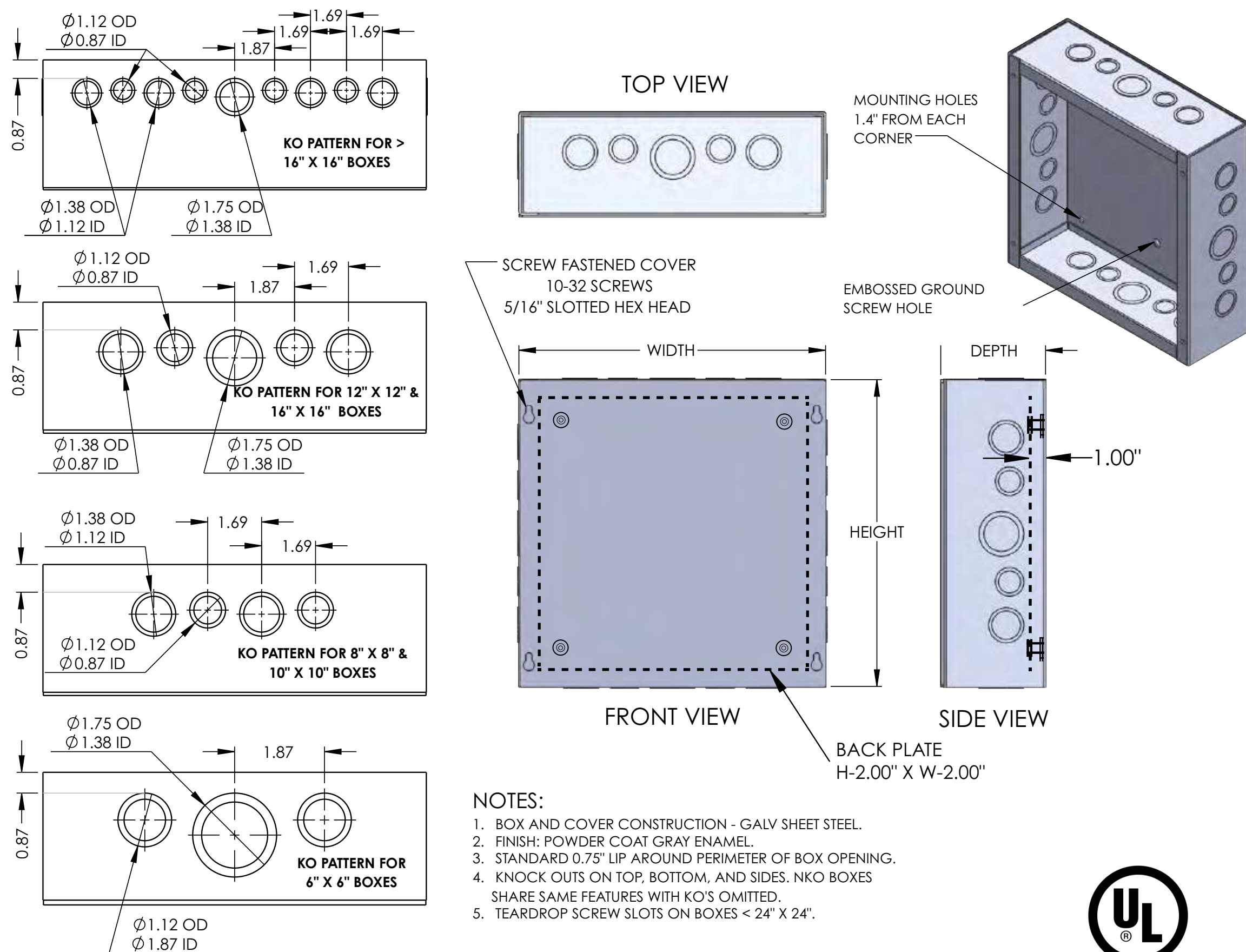
Application

- Designed for use as a junction box or pull box.
- For indoor use to provide protection against contact with enclosed equipment where moisture and dust are not a problem.

- NEMA Type 1
- UL 50 Type 1
- cUL Type 1 (equivalent to CSA)



Hinge Screw Cover Box NEMA 1 Indoor With Back Plate



Features

- Enclosure and cover are produced with 16, 14, or 12 gauge steel in accordance with UL standards.
- Flanged steel door provided with a continuous steel piano hinge.
- Hinge cover boxes are fastened by default with screws. A flush coin-turn latch or keyed locks available by request.
- Available with or without knockouts. For no knockouts, refer to suffix -NK in catalog number.
- Available with or without paint. For no paint, refer to suffix -NP in catalog number. Unpainted enclosures are made to order.
- Grounding embossment standard in rear of box. Grounding screws sold separately.
- Holes are incorporated into the back of the enclosure for mounting.
- ANSI 61 wrinkle gray polyester powder coating.
- Available Accessories: Flush coin-turn latch, keyed turn latch, ground screws, replacement cover screws.

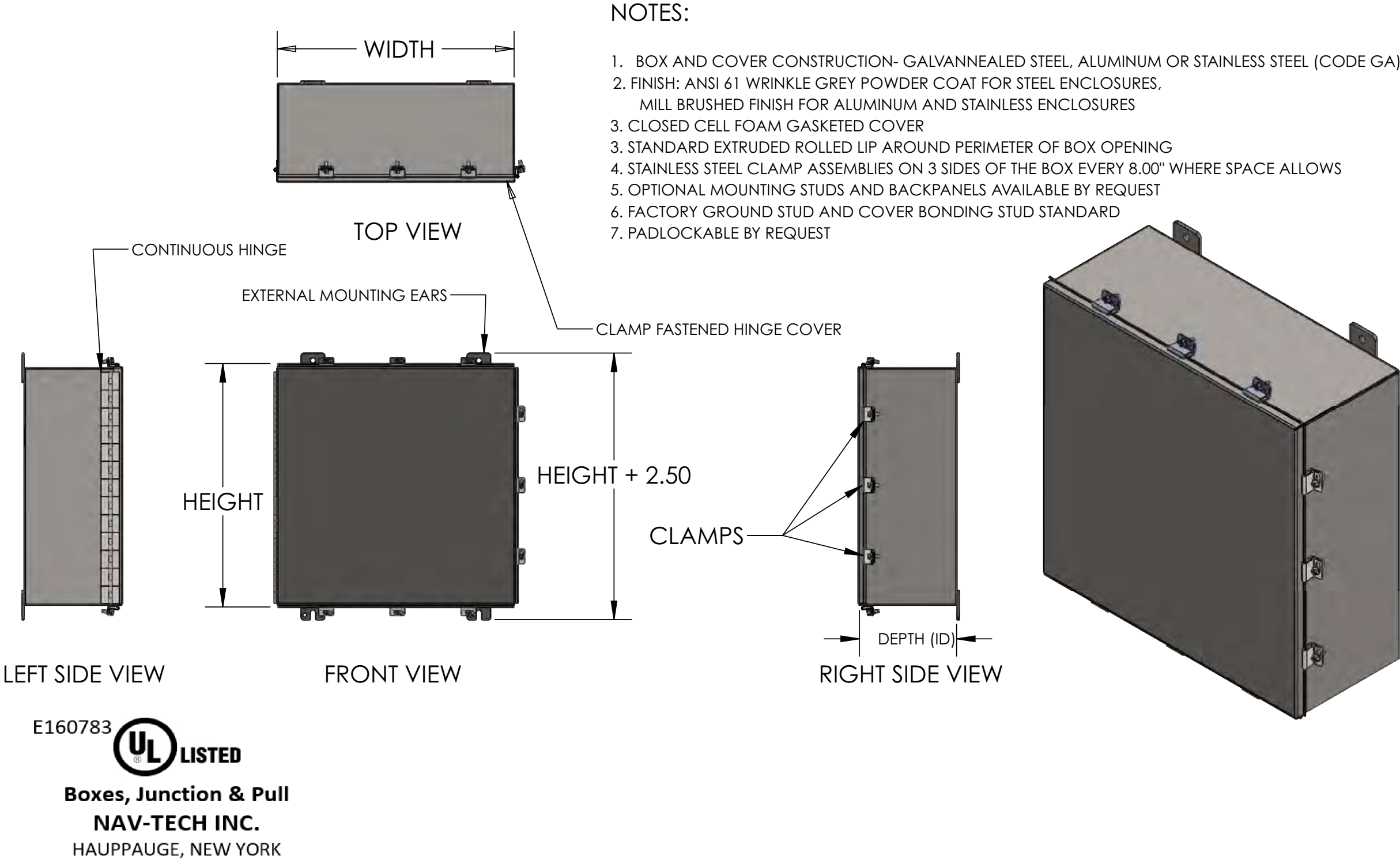
Application

- Designed for use as a junction box or pull box.
- For indoor use to provide protection against contact with enclosed equipment where moisture and dust are not a problem.

- NEMA Type 1
- UL 50 Type 1
- cUL Type 1 (equivalent to CSA)



Weatherproof Hinge Cover Box NEMA 4X Outdoor JIC Style



***Stainless steel or aluminum available upon request**
***Additional sizes available upon request**
***Part number: wphcbx(HHWWDD)-ss(304 or 316); Use height, width, depth for (HHWWDD). Use suffix-BP for enclosures with back plate**

Features

- Enclosure and cover are manufactured from 16, 14, or 12 gauge stainless steel in accordance with UL Standards.
- Stainless steel external screw clamps on three sides.
- Stainless steel continuous hinge.
- All seams continuously welded and ground smooth.
- Rolled lip around three sides of door and all sides of door and all sides of door opening for watertight seal.
- Neoprene gasket attached to door with oil resistant adhesive.
- Clamps on three sides of door for watertight seal.
- Stainless steel external hardware.
- Hasp and staple provided for padlocking.
- External mounting feet.
- Collar studs for mounting optional panel available upon request.
- Mill brushed finish is standard.

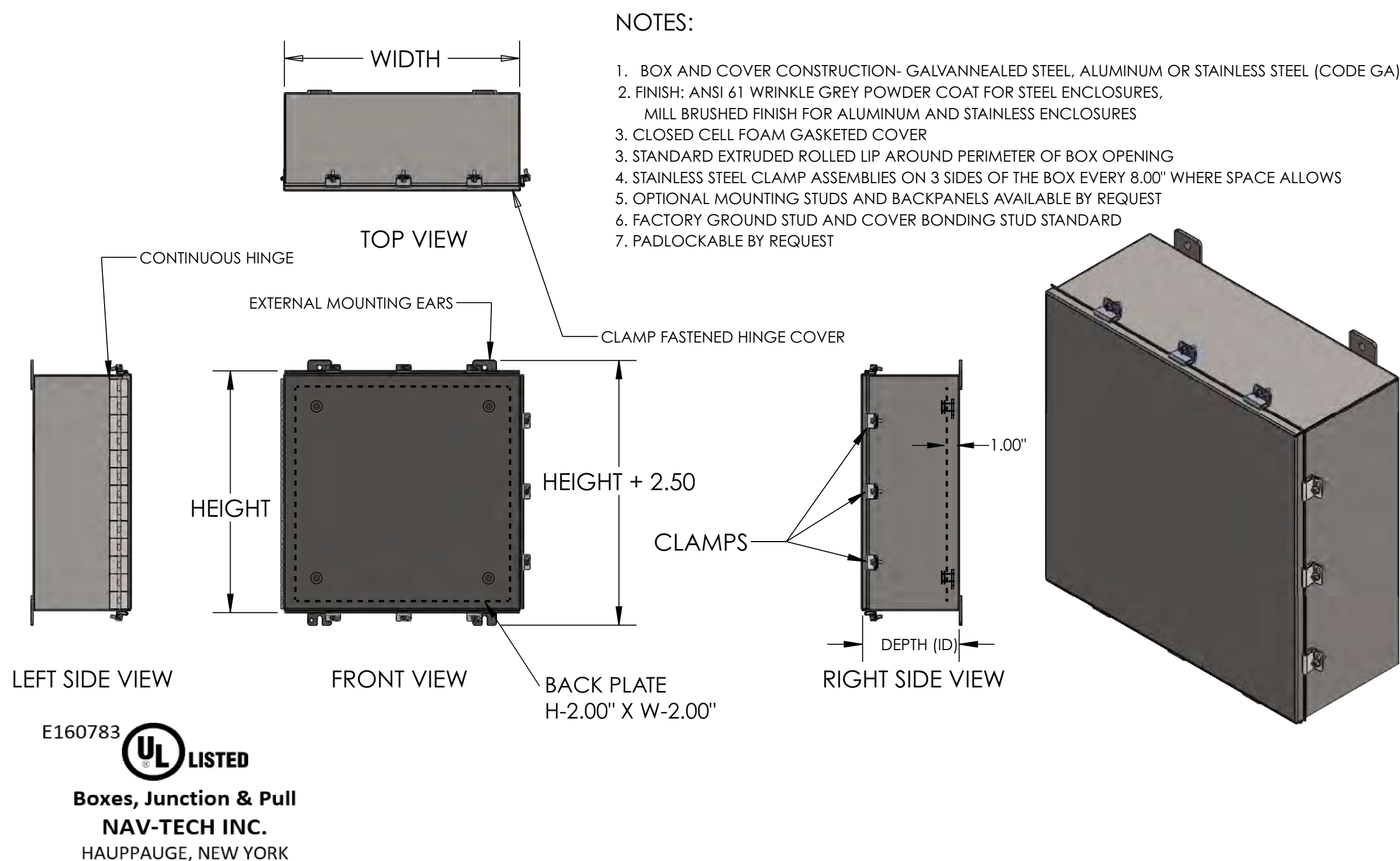
Application

- Designed to protect wiring in outdoor installations against rain, sleet, or snow, or indoors against dripping water.
- Degree of protection against corrosion.
- Protection against hose directed water.

- NEMA Type 4X
- UL 50
- 50E Listed



Weatherproof Hinge Cover Box NEMA 4X Outdoor JIC Style With Back Plate



***Stainless steel or aluminum available upon request**

***Additional sizes available upon request**

***Part number: wphcbx(HHWWDD)-ss(304 or 316); Use height, width, depth for (HHWWDD). Use suffix-BP for enclosures with back plate**

Features

- Enclosure and cover are manufactured from 16, 14, or 12 gauge stainless steel in accordance with UL standards.
- Stainless steel external screw clamps on three sides.
- Stainless steel continuous hinge.
- All seams continuously welded and ground smooth.
- Rolled lip around three sides of door and all sides of door opening for watertight seal.
- Mill brushed finish is standard.
- Neoprene gasket attached to door with oil resistant adhesive.
- Clamps on three sides of door for watertight seal.
- Stainless steel external hardware.
- Hasp and staple provided for padlocking.
- External mounting feet.
- Collar studs for mounting optional panel available upon request.

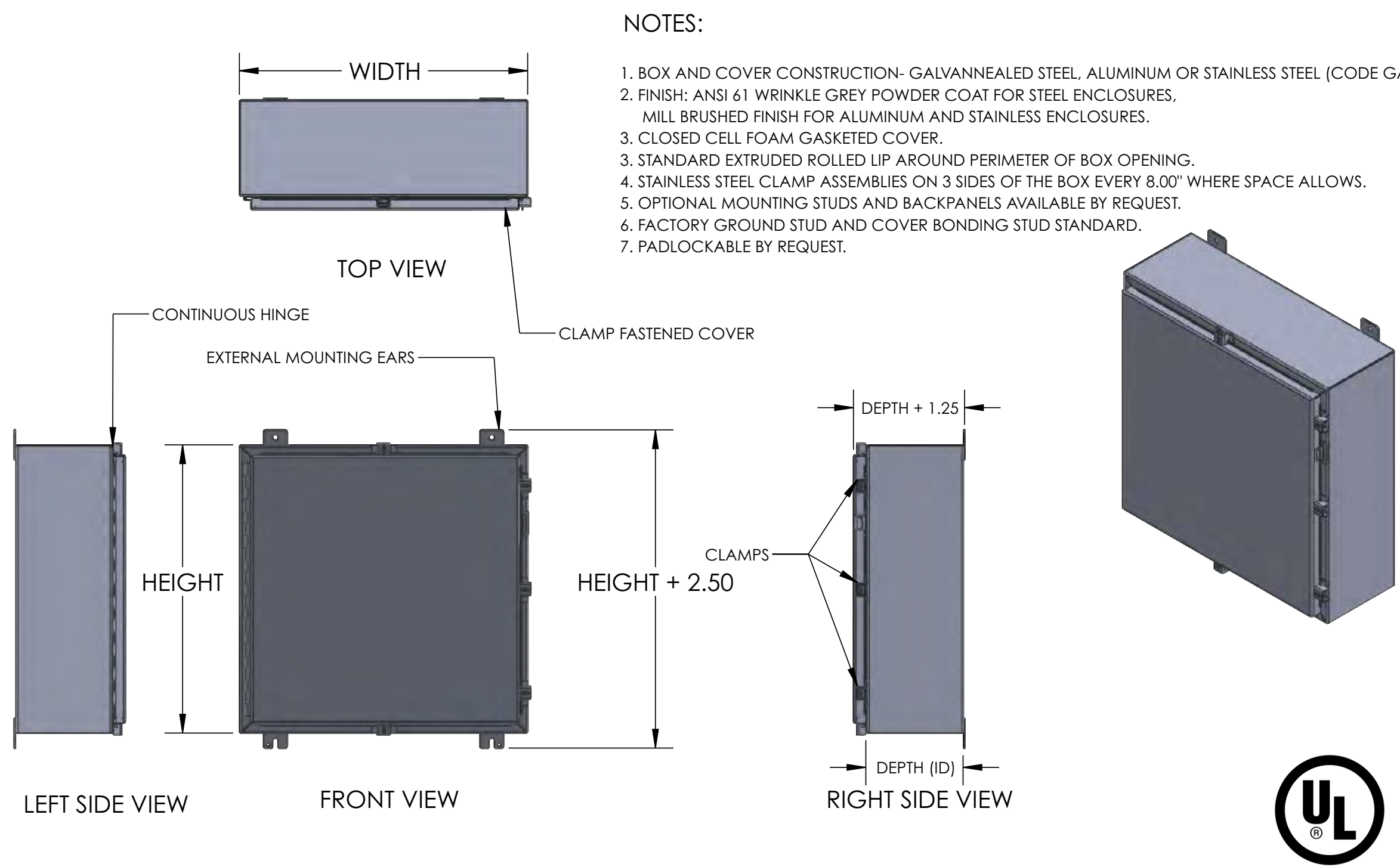
Application

- Designed to protect wiring in outdoor installations against rain, sleet, or snow, or indoors against dripping water.
- Degree of protection against corrosion.
- Protection against hose directed water.

- NEMA Type 4X
- UL 50
- 50E Listed



Weatherproof Hinge Cover Box NEMA 4X Outdoor DSE Style



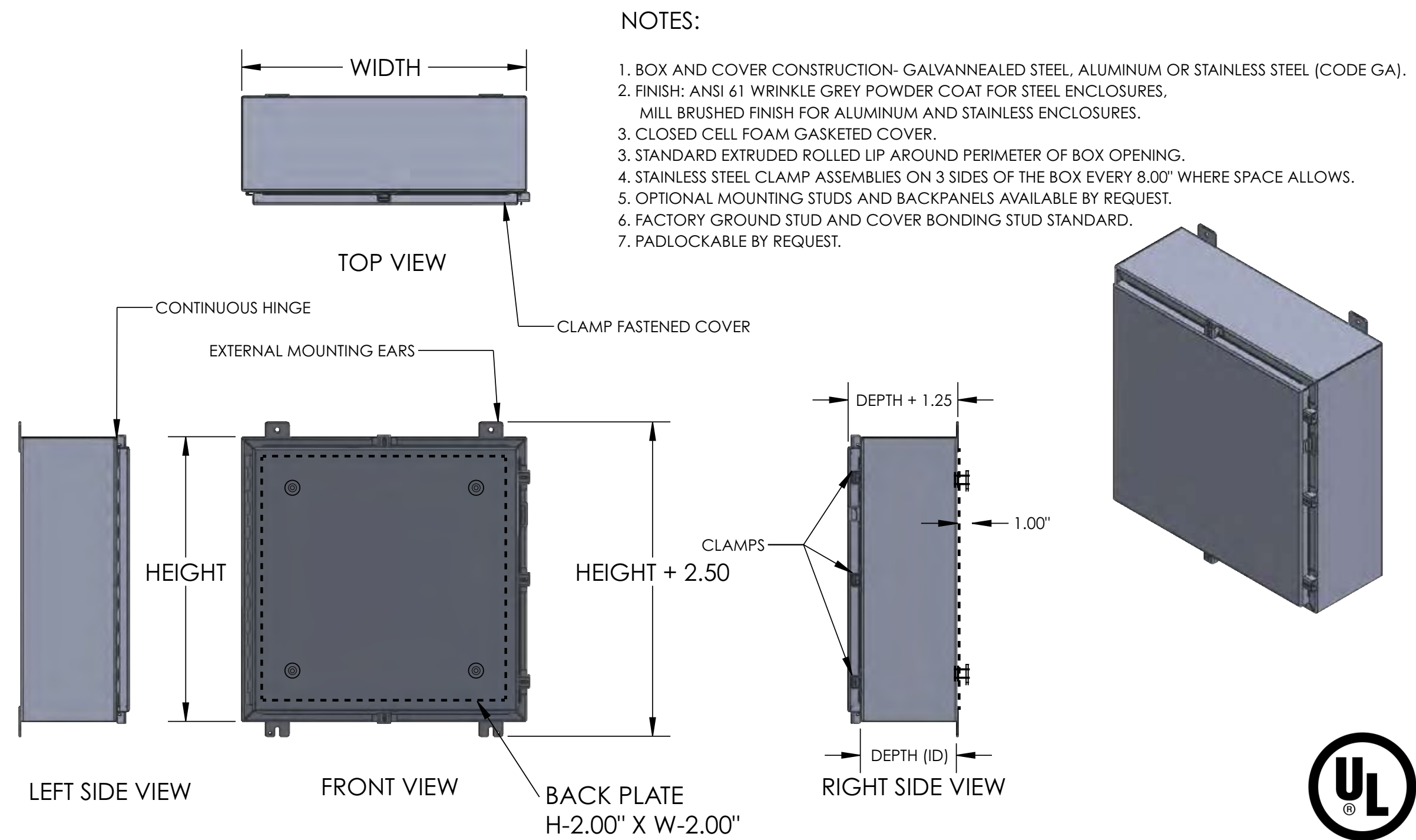
***Stainless steel or aluminum available upon request**
***Additional sizes available upon request**
***Part number: wphcbx(HHWWDD)-ss(304 or 316); Use height, width, depth for (HHWWDD). Use suffix-BP for enclosures with back plate**

Features	
• Enclosure and cover are manufactured from 16, 14, or 12 gauge stainless steel in accordance with UL standards. • Stainless steel external screw clamps on three sides. • Stainless steel continuous hinge. • All seams continuously welded and ground smooth. • Rolled lip around three sides of door and all sides of door opening for watertight seal. • Mill brushed finish is standard.	• Neoprene gasket attached to door with oil resistant adhesive. • Clamps on three sides of door for watertight seal. • Stainless steel external hardware. • Hasp and staple provided for padlocking. • External mounting feet. • Collar studs for mounting optional panel available upon request.

Application	
• Designed to protect wiring in outdoor installations against rain, sleet, or snow, or indoors against dripping water. • Degree of protection against corrosion. • Protection against hose directed water.	• NEMA Type 4X • UL 50 • 50E Listed



Weatherproof Hinge Cover Box NEMA 4X Outdoor DSE Style With Back Plate



***Stainless steel or aluminum available upon request**
***Additional sizes available upon request**
***Part number: wphcbx(HHWWDD)-ss(304 or 316); Use height, width, depth for (HHWWDD). Use suffix-BP for enclosures with back plate**

Features

- Enclosure and cover are manufactured from 16, 14, or 12 gauge stainless steel in accordance with UL standards.
- Stainless steel external screw clamps on three sides.
- Stainless steel continuous hinge.
- All seams continuously welded and ground smooth.
- Rolled lip around three sides of door and all sides of door opening for watertight seal.
- Mill brushed finish is standard.
- Neoprene gasket attached to door with oil resistant adhesive.
- Clamps on three sides of door for watertight seal.
- Stainless steel external hardware.
- Hasp and staple provided for padlocking.
- External mounting feet.
- Collar studs for mounting optional panel available upon request.

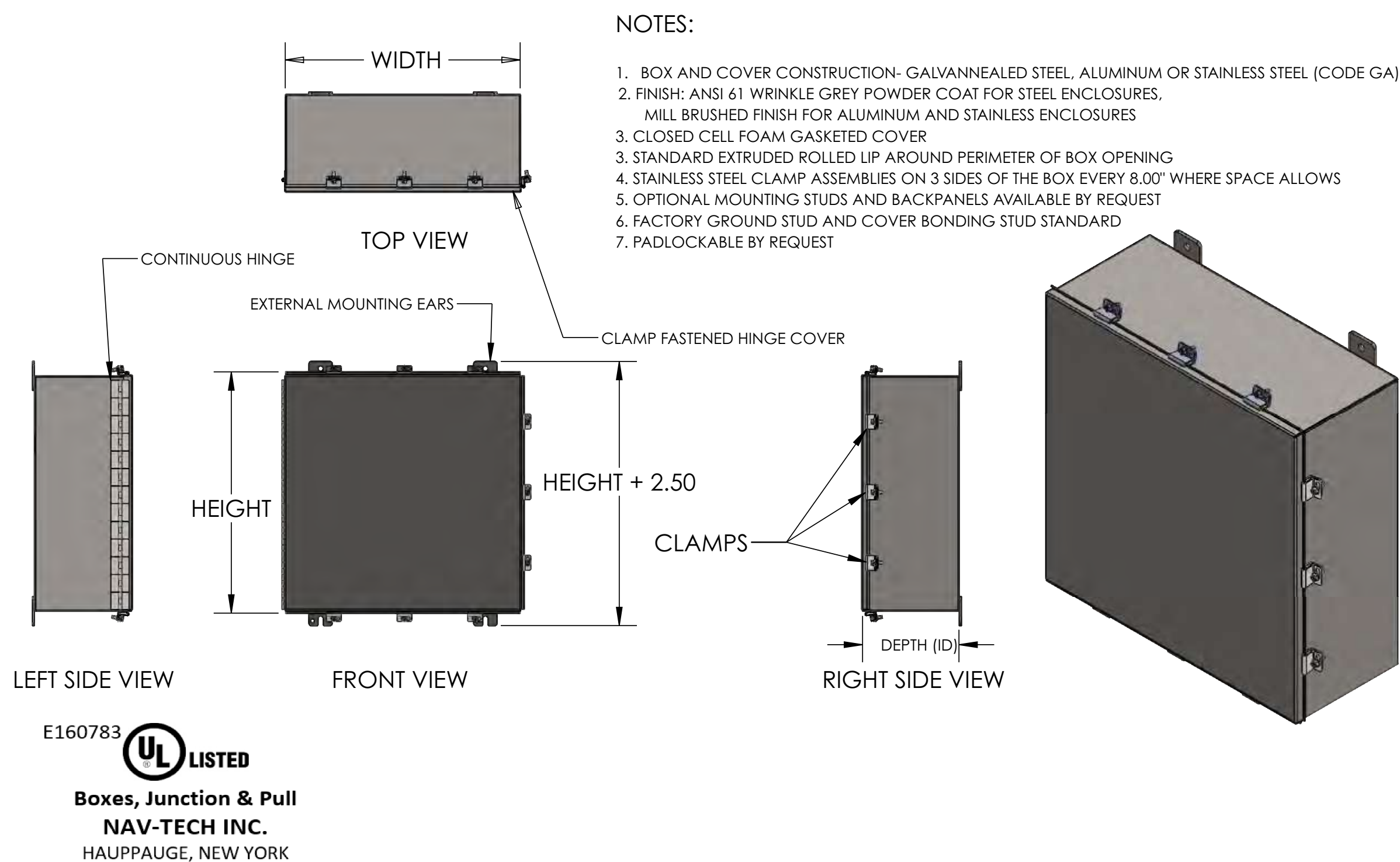
Application

- Designed to protect wiring in outdoor installations against rain, sleet, or snow, or indoors against dripping water.
- Degree of protection against corrosion.
- Protection against hose directed water.

- NEMA Type 4X
- UL 50
- 50E Listed



Submersible Hinge Cover Box NEMA 6/6P JIC Style



***Stainless steel or aluminum available upon request**
***Additional sizes available upon request**
***Part number: UWHCBX(HHWWDD)-ss(304 or 316); Use height, width, depth for (HHWWDD). Use suffix-BP for enclosures with back plate**

Features

- Enclosure and cover are manufactured from 16, 14, or 12 gauge stainless steel in accordance with UL Standards.
- Stainless steel external screw clamps on three sides.
- Stainless steel continuous hinge.
- All seams continuously welded and ground smooth.
- Rolled lip around three sides of door and all sides of door and all sides of door opening for watertight seal.
- Clamps on three sides of door for watertight seal.
- Neoprene gasket attached to door with oil resistant adhesive.
- Stainless steel external hardware.
- Hasp and staple provided for padlocking.
- External mounting feet.
- Collar studs for mounting optional panel available upon request.
- Mill brushed finish is standard.

Application

- Designed for power & utility, infrastructure and renewable energy companies requiring ultimate protection against extreme environmental conditions.
- Corrosion resistant Stainless Steel Type 316 and a single piece Neoprene Gasket to provide watertight protection of vital electrical equipment.
- Navtech's standard submersible range of enclosures and accessories delivers a reliable system to meet all industry environmental challenges.

- NEMA Type 6/6P
- UL 50
- 50E Listed



Description:

Nav-Tech trough wireways provide an efficient solution for routing and protecting electrical conductors in both indoor and outdoor applications. Available in multiple NEMA ratings and configurations, these wireways combine rugged construction, flexible design options, and compliance with UL and NEMA standards to support a wide range of installation needs.

Contents:

Trough Wireway Indoor
Trough Wireway Raintight
Weatherproof Wireway Trough
Wireway Fittings



NOTES:

1. TROUGH AND COVER CONSTRUCTION- GALV SHEET STEEL.
2. FINISH: POWDER COAT GRAY ENAMEL.
3. STANDARD 0.75" LIP ON TOP LEDGE OF TROUGH OPENING.
4. 1 SET OF KNOCKOUTS PER FT OF TROUGH.
5. ANTI CHAFING EMBOSSMENTS FORMED INTO TROUGH SURROUNDING SCREW HOLES.
6. NKO TROUGH HAS SAME DIMENSIONS WITH KO'S OMITTED.



FRONT VIEW



SIDE VIEW

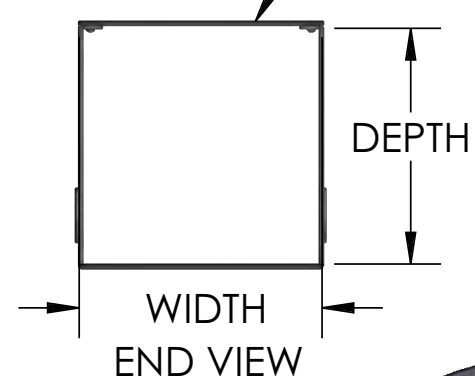


FRONT VIEW
MOUNT HOLES 4X
COUPLING SLOTS ON
3 SIDES OF TROUGH

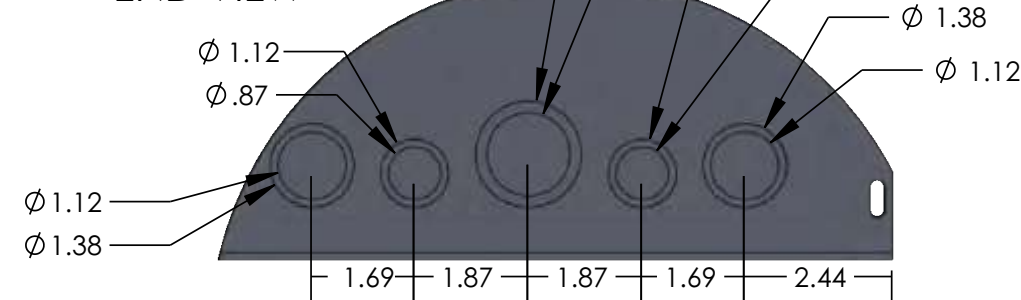
TEARDROP SLOTS FOR
EASY COVER INSTALL OR REMOVAL

ANTI CHAFING
EMBOSSMENTS

SCREW FASTENED COVER
10-32 SCREWS



WIDTH
END VIEW



DETAIL D
SCALE 1 : 4



Features

- Wireway and cover are manufactured from 16 gauge steel.
- Available with or without knockouts. For no knockouts, refer to suffix -NK in catalog number.
- Available with or without paint. For no paint, refer to suffix -NP in catalog number. Non painted trough is non stock.
- Covers incorporate teardrop slots for easy installation or removal and are attached with plated steel screws.
- Available in six standard sizes: 4 x 4, 6 x 6, 8 x 8, 10 x 10 and 12 x 12. Lengths between 1ft and 5ft. Custom sizes available upon request.
- Wide range of fittings allows for change of direction, junctions, terminations as well as transition from competitors products.
- ANSI 61 gray polyester powder coat finish.
- Available accessories shown on trough accessories page.

Application

- Designed to allow long interrupted runs of electrical wiring for indoor applications where moisture and dust are not a problem.

- NEMA Type 1
- UL 870 Type 1
- cUL Type 1 (equivalent to CSA)



*Stainless steel or aluminum available upon request
*Additional sizes available upon request

Catalog Number	H x W x D (Inches)	UPC Codes
T441	4x4x12	616983211625
T442	4x4x24	616983211632
T443	4x4x36	616983211649
T444	4x4x48	616983211656
T445	4x4x60	616983211663
T661	6x6x12	616983211731
T662	6x6x24	616983211748
T663	6x6x36	616983211755
T664	6x6x48	616983211762
T665	6x6x60	616983211779
T881	8x8x12	616983211847
T882	8x8x24	616983211854
T883	8x8x36	616983211861
T884	8x8x48	616983211878
T885	8x8x60	616983211885
T10101	10x10x12	616983211304
T10102	10x10x24	616983211311
T10103	10x10x36	616983211328
T10104	10x10x48	616983211335
T10105	10x10x60	616983211342
T12121	12x12x12	616983211410
T12122	12x12x24	616983211427
T12123	12x12x36	616983211434

Catalog Number	H x W x D (Inches)	UPC Codes
T441NK	4x4x12	705332312431
T442NK	4x4x24	705332312448
T443NK	4x4x36	705332312455
T444NK	4x4x48	705332312462
T445NK	4x4x60	705332312479
T661NK	6x6x12	705332312493
T662NK	6x6x24	705332312509
T663NK	6x6x36	705332312516
T664NK	6x6x48	705332312523
T665NK	6x6x60	705332312530
T881NK	8x8x12	705332312554
T882NK	8x8x24	705332312561
T883NK	8x8x36	705332312578
T884NK	8x8x48	705332312585
T885NK	8x8x60	705332312417
T10101NK	10x10x12	705332312295
T10102NK	10x10x24	705332312301
T10103NK	10x10x36	705332312318
T10104NK	10x10x48	705332312325
T10105NK	10x10x60	705332312332
T12121NK	12x12x12	705332312356
T12122NK	12x12x24	705332312363
T12123NK	12x12x36	705332312370



- NEMA Type 1
- UL 870 Type 1
- CUL Type 1 (equivalent to CSA)



2½ x 2½	
Description	Catalog No.
Length – 1'	T221
Length – 2'	T222
Length – 3'	T223
Length – 4'	T224
Length – 5'	T225
Connector	T2C
End Wall	T2E
Panel Adapter	T2PA
Elbow – 90	T290
Elbow – 45	T245
Tee	T2T
Cross	T2X

6 x 6	
Description	Catalog No.
Length – 1'	T661
Length – 2'	T662
Length – 3'	T663
Length – 4'	T664
Length – 5'	T665
Connector	T6C
End Wall	T6E
Panel Adapter	T6PA
Elbow – 90	T690
Elbow – 45	T645
Tee	T6T
Cross	T6X
Reducer 6 - 4	TR6

10 x 10	
Description	Catalog No.
Length – 1'	T10101
Length – 2'	T10102
Length – 3'	T10103
Length – 4'	T10104
Length – 5'	T10105
Connector	T10C
End Wall	T10E
Panel Adapter	T10PA
Elbow – 90	T1090
Elbow – 45	T1045
Tee	T10T
Cross	T10X
Reducer 10 - 8	TR10

4 x 4	
Description	Catalog No.
Length – 1'	T441
Length – 2'	T442
Length – 3'	T443
Length – 4'	T444
Length – 5'	T445
Connector	T4C
End Wall	T4E
Panel Adapter	T4PA
Elbow – 90	T490
Elbow – 45	T445
Tee	T4T
Cross	T4X
Reducer 4 - 2	TR4

8 x 8	
Description	Catalog No.
Length – 1'	T881
Length – 2'	T882
Length – 3'	T883
Length – 4'	T884
Length – 5'	T885
Connector	T8C
End Wall	T8E
Panel Adapter	T8PA
Elbow – 90	T890
Elbow – 45	T845
Tee	T8T
Cross	T8X
Reducer 8 - 6	TR8

12 x 12	
Description	Catalog No.
Length – 1'	T12121
Length – 2'	T12122
Length – 3'	T12123
Length – 4'	T12124
Length – 5'	T12125
Connector	T12C
End Wall	T12E
Panel Adapter	T12PA
Elbow – 90	T1290
Elbow – 45	T1245
Tee	T12T
Cross	T12X
Reducer 12 - 10	TR12

45° Elbow



End Wall



90° Elbow



Tee Fitting



Cross Fitting



Panel Adapter



Coupling



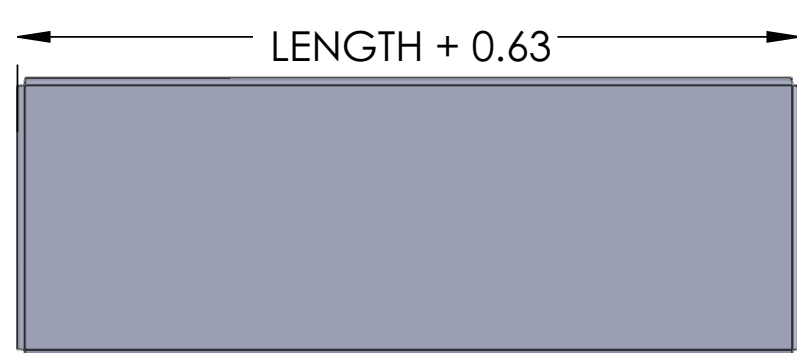
*XX Would be substituted for the amperage of the box. (I.E. 2000A w “20” instead of “XX”)



Trough Wireway NEMA 3R Raintight Outdoor

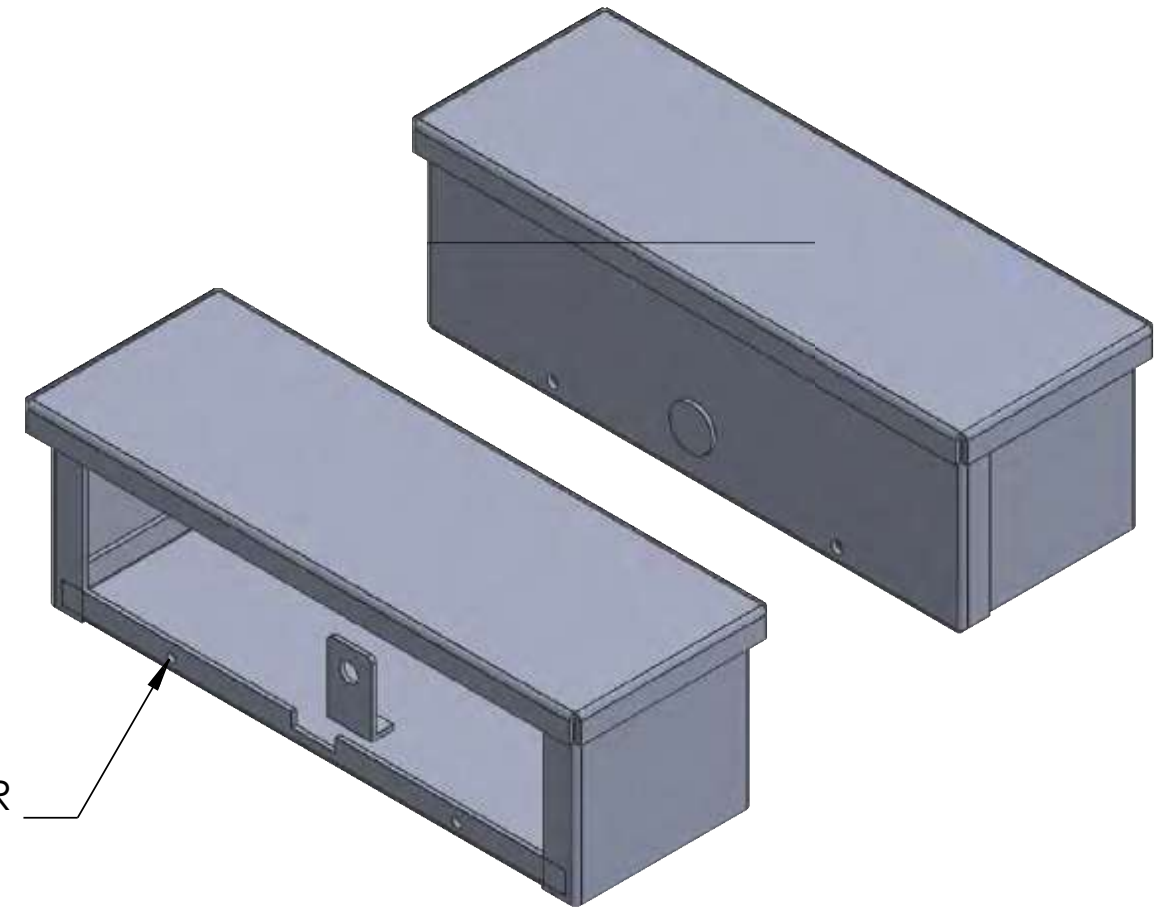
NOTES:

1. TROUGH AND COVER CONSTRUCTION- GALV SHEET STEEL.
2. FINISH: POWDER COAT GRAY ENAMEL.
3. STANDARD 0.75" LIP ON TOP LEDGE OF TROUGH OPENING.
4. RAIN TIGHT SHED ROOF CONSTRUCTION INCLUDES STITCH WELD EDGES EMBOSSED MOUNTING POINTS ON ALL FOUR CORNERS, SLIDE ON SCREW COVER (SHOWN IN ISOMETRIC VIEW).
5. PROVISIONS FOR BARREL LOCK GUARD.



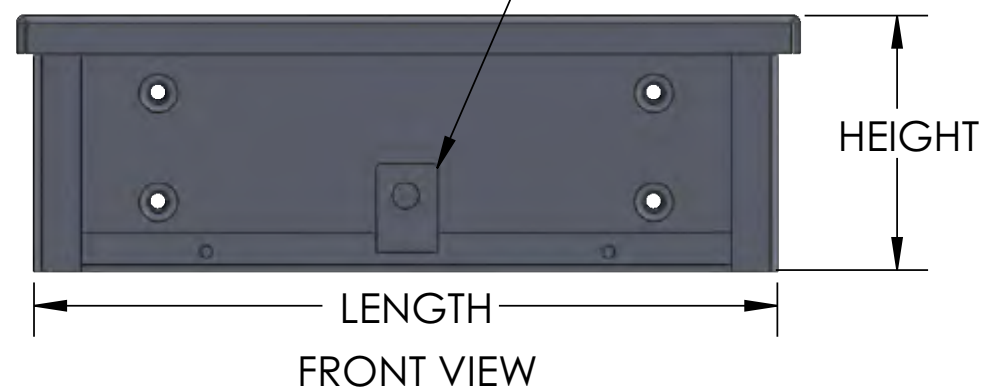
TOP VIEW

SCREW FASTENED COVER
10-32 SCREWS

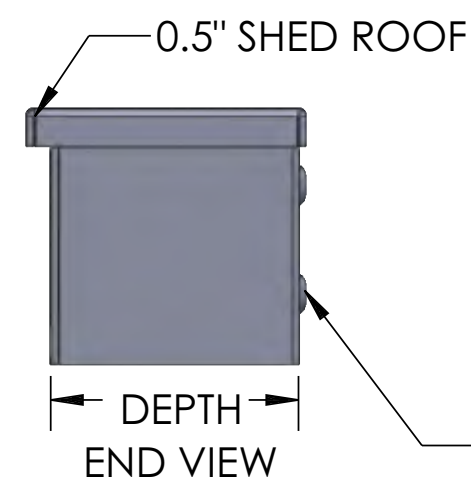


E496751

UTILITY SEALING PROVISION
FOR BARREL LOCK GUARD



FRONT VIEW



END VIEW

EMBOSSD MOUNTING HOLES



Features

- Trough and cover are manufactured from 16 gauge G90 galvanized steel.
- Available with or without paint. For no paint, refer to suffix -NP in the catalog number. Unpainted trough is non-stock.
- Cover is designed to fit under the drip shield top, and is held in place with plated steel screws.
- Wireway is available with or without concentric knockouts on the bottom. NK trough is non-stock.
- Embossed mounting holes are provided on the backs of the units.
- Knockout for utility barrel lock seal.
- ANSI 61 gray polyester powder coating over phosphatized G90 galvanized steel.
- Available accessories: Replacement cover, touch-up paint, barrel lock, replacement screws, backplates, ground screws.

Application

- Designed to protect wiring in outdoor installations against rain, sleet, or snow, or indoors against dripping water.

- NEMA Type 3R
- UL 870 Type 3R
- cUL Type 3R (equivalent to CSA)



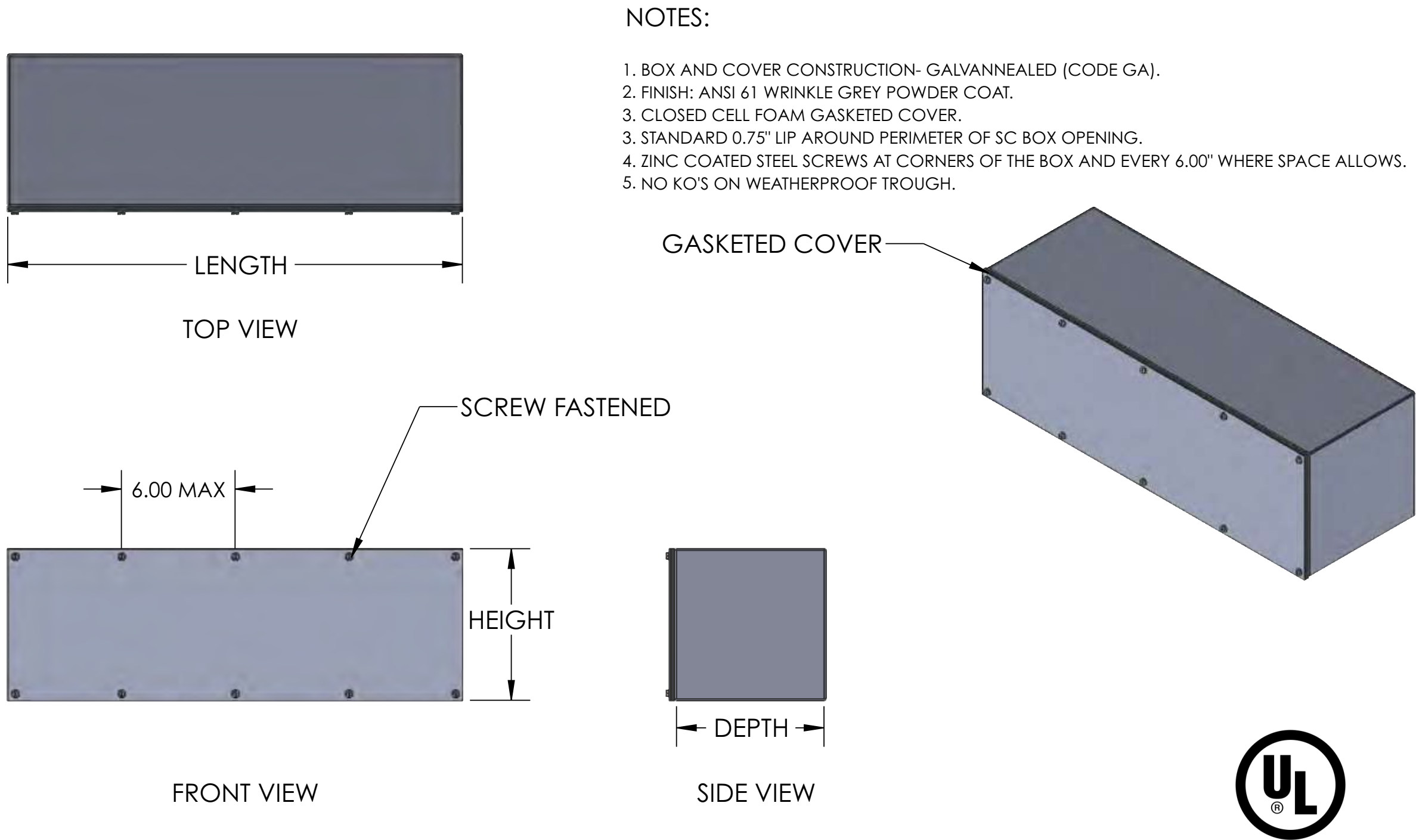
*Stainless steel or aluminum available upon request
*Additional sizes available upon request

Catalog Number	H x W x D (Inches)	UPC Codes
RTT441	4x4x12	616983210420
RTT442	4x4x24	616983210437
RTT443	4x4x36	616983210444
RTT444	4x4x48	616983210451
RTT445	4x4x60	616983210468
RTT661	6x6x12	616983210475
RTT662	6x6x24	616983210482
RTT663	6x6x36	616983210499
RTT664	6x6x48	616983210505
RTT665	6x6x60	616983210512
RTT881	8x8x12	616983210529
RTT882	8x8x24	616983210536
RTT883	8x8x36	616983210543
RTT884	8x8x48	616983210550
RTT885	8x8x60	616983210567



- NEMA Type 3R
- UL 870 Type 3R
- cUL Type 3R (equivalent to CSA)





Features

- Trough and cover are manufactured from 16 gauge G90 galvanized steel.
- All WPT boxes come without knockouts and are continuously welded and ground smooth.
- Available with or without paint and in stainless steel.
- Covers are neoprene gasketed and fastened with plated screws.
- ANSI 61 wrinkle gray polyester powder coat standard finish.
- Available Accessories: Flush cover, replacement cover, extra screws, ground screws, back plates.

Application

- Designed to protect wiring in outdoor or indoor installations against rain, sleet, snow, or indoor moisture or hose directed water.

- NEMA Types 3/4/12/13
- UL 870 Types 3/4/12/13
- cUL Types 3/4/12/13

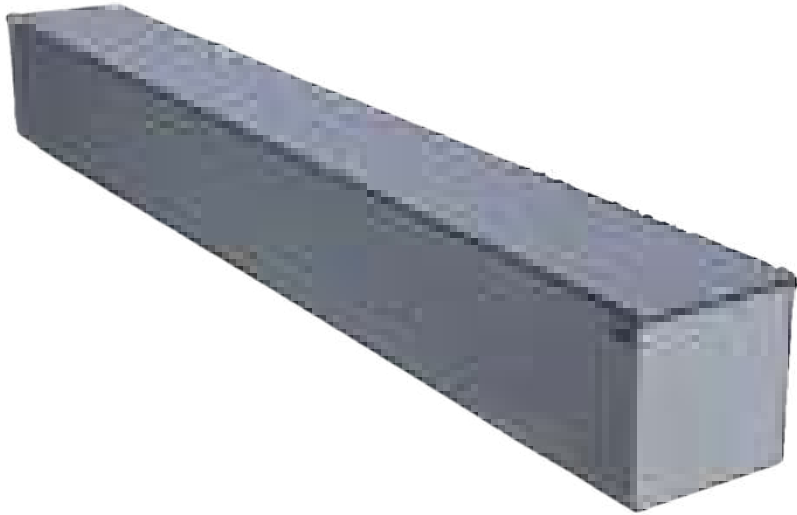


Weatherproof Trough Wireway
Outdoor NEMA 3/4/12/13

31

*Stainless steel or aluminum available upon request
*Additional sizes available upon request

Catalog Number	H x W x D (Inches)	UPC Codes
WPT441	4x4x12	616983212936
WPT442	4x4x24	616983212943
WPT443	4x4x36	616983212950
WPT444	4x4x48	616983212967
WPT445	4x4x60	616983212974
WPT661	6x6x12	616983212981
WPT662	6x6x24	616983212998
WPT663	6x6x36	616983213001
WPT664	6x6x48	616983213018
WPT665	6x6x60	616983213025
WPT881	8x8x12	616983213032
WPT882	8x8x24	616983213049
WPT883	8x8x36	616983213056
WPT884	8x8x48	616983213063
WPT885	8x8x60	616983213070
WPT10101	10x10x12	705332310499
WPT10102	10x10x24	705332310505
WPT10103	10x10x36	616983212899
WPT10104	10x10x48	705332310512
WPT10105	10x10x60	616983212905
WPT12121	12x12x12	705332310529
WPT12122	12x12x24	705332310536
WPT12123	12x12x36	616983212912
WPT12124	12x12x48	705332310543
WPT12125	12x12x60	616983212929



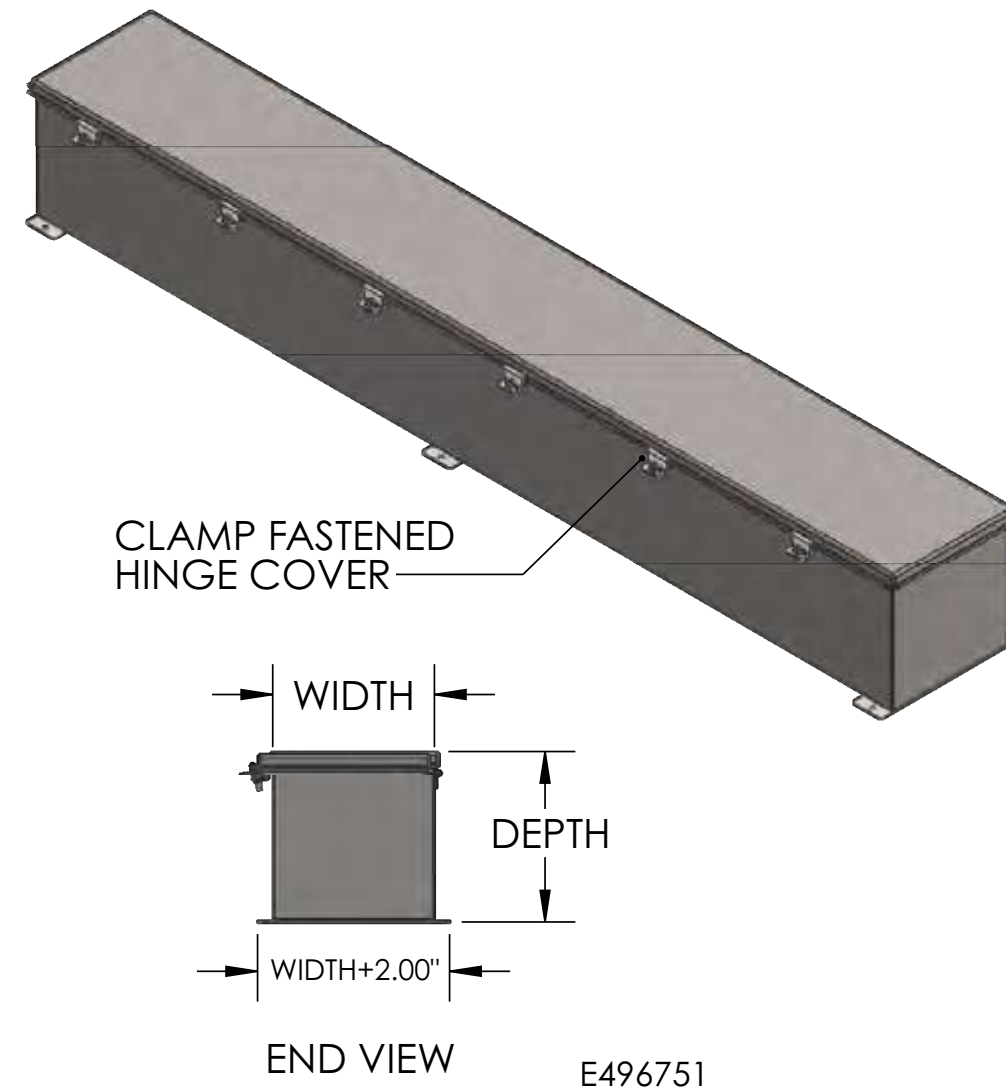
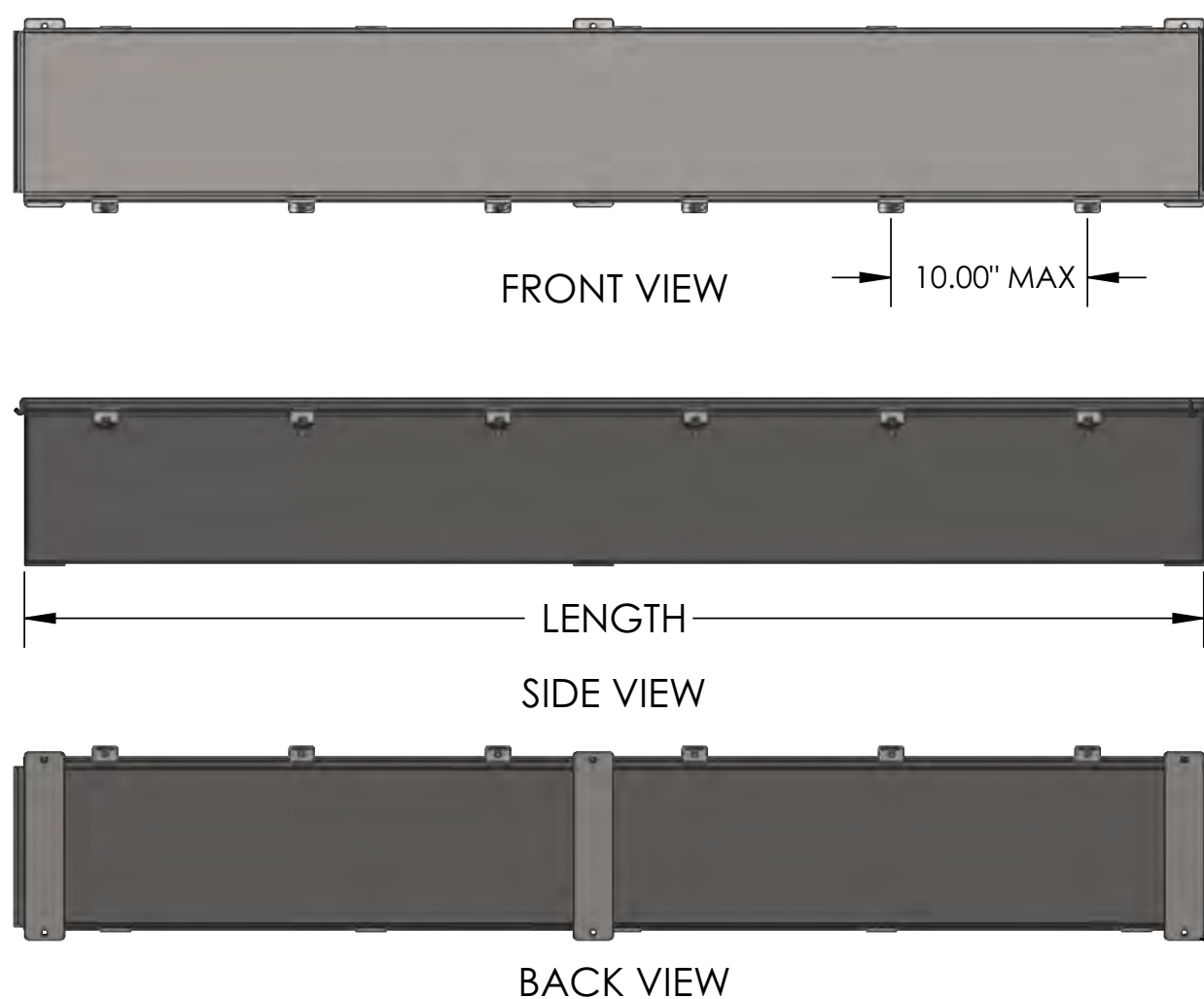
- NEMA Types 3/4/12/13
- UL 870 Types 3/4/12/13
- cUL Types 3/4/12/13



Weatherproof Trough Wireway NEMA 4X JIC Style

NOTES:

1. GALVANNEALED STEEL, ALUMINUM OR STAINLESS STEEL (CODE GA).
2. FINISH: ANSI 61 WRINKLE GREY POWDER COAT FOR STEEL ENCLOSURES, MILL BRUSHED FINISH FOR ALUMINUM AND STAINLESS ENCLOSURES.
3. CLOSED CELL FOAM GASKETED HINGE CLAMP FASTENED COVER.
4. STANDARD 0.75" LIP AROUND PERIMETER OF TROUGH OPENING.
5. STAINLESS STEEL SCREWS AT CLAMP POINTS AROUND THE BOX AND EVERY 10.00 WHERE SPACE ALLOWS.
6. NO KO'S ON WEATHERPROOF TROUGH.
7. OPTIONAL MOUNTING STUDS AND BACKPANELS AVAILABLE BY REQUEST.
8. FACTORY GROUND STUD AND COVER BONDING STUD STANDARD.
9. PADLOCKABLE BY REQUEST.



Features

- Trough and cover are manufactured from 16 code GA stainless steel in accordance with UL standards.
- Stainless steel external screw clamps on three sides.
- Stainless steel continuous hinge.
- All seams continuously welded and ground smooth.
- Rolled lip around all sides of cover opening for watertight seal.
- Neoprene gasket attached to cover with oil resistant adhesive.
- Clamps on three sides of cover for watertight seal.
- Stainless steel external hardware.
- Hasp and staple provided for padlocking upon request.
- External mounting feet.
- Collar studs for mounting optional panel available upon request.
- Mill brushed finish is standard.

Application

- Designed to protect wiring in outdoor installations against rain, sleet, or snow, or indoors against dripping water.
- Degree of protection against corrosion.
- Protection against hose directed water.

- NEMA Type 4X
- UL 50
- 50E Listed



Wire Size	Wire Areas (sq. inches)			Wireway Size & Maximum Number of Wires								
	Wire Types			2½ x 2½ (1.25 sq. in. +)			4 x 4 (3.2 sq. in. +)			6 x 6 (7.2 sq. in. +)		
	TFN, THHN, THWN (A)	XHHW (B)	T, THW, TW, TF (C)	(A)	(B)	(C)	(A)	(B)	(C)	(A)	(B)	(C)
14	.0087	.0131	.0135	143*	95*	92*	367*	244*	237*	827*	549*	533*
14 (THW)	-	-	.0206	-	-	60*	-	-	155*	-	-	349*
12	.0117	.0167	.0172	106*	74*	72*	273*	191*	186*	615*	431*	418*
12 (THW)	-	-	.0251	-	-	49*	-	-	127*	-	-	286*
10	.0184	.0216	.0224	67*	57*	55*	173*	148*	142*	391*	333*	321*
10 (THW)	-	-	.0311	-	-	40*	-	-	102*	-	-	231*
8	.0373	.0456	.0408	33*	27	30	85*	70*	78*	193*	157*	176*
8 (THW)	-	-	.0526	-	-	23	-	-	60*	-	-	136*
6	.0519	.0625	.0819	24	20	15	61*	51*	39*	138*	115*	87*
4	.0845	.0845	.1087	14	14	11	37*	37*	29	85*	85*	66*
3	.0995	.0995	.1263	12	12	9	32*	32*	25	72*	72*	57*
2	.1182	.1182	.1473	10	10	8	27	27	21	60*	60*	48*
1	.1590	.1590	.2027	7	7	6	20	20	15	45*	45*	35*
0	.1893	.1893	.2367	6	6	5	16	16	13	38*	38*	30
00	.2265	.2265	.2781	5	5	4	14	14	11	31*	31*	25
000	.2715	.2715	.3288	4	4	3	11	11	9	26	26	21
0000	.3278	.3278	.3904	3	3	3	9	9	8	21	21	18
250	.4206	.4206	.4877	2	2	2	7	7	6	17	17	14
300	.4669	.4669	.5581	2	2	2	6	6	5	15	15	12
350	.5307	.5307	.6291	2	2	1	6	6	5	13	13	11
400	.5931	.5931	.6969	2	2	1	5	5	4	12	12	10
500	.7163	.7163	.8316	1	1	1	4	4	3	10	10	8

Wire Size	Wire Areas (sq. inches)			Wireway Size & Maximum Number of Wires								
	Wire Types			8 x 8 (12.8 sq. in. +)			10 x 10 (20 sq. in. +)			12 x 12 (28.8 sq. in. +)		
	TFN, THHN, THWN (A)	XHHW (B)	T, THW, TW, TF (C)	(A)	(B)	(C)	(A)	(B)	(C)	(A)	(B)	(C)
14	.0087	.0131	.0135	1471*	977*	948*	2298*	1526*	1481*	3310*	2198*	2133*
14 (THW)	-	-	.0206	-	-	621*	-	-	970*	-	-	1398*
12	.0117	.0167	.0172	1094*	766*	744*	1709*	1197*	1162*	2461*	1724*	1674*
12 (THW)	-	-	.0251	-	-	509*	-	-	796*	-	-	1147*
10	.0184	.0216	.0224	695*	592*	571*	1086*	925*	892*	1565*	1333*	1285*
10 (THW)	-	-	.0311	-	-	411*	-	-	643*	-	-	926*
8	.0373	.0456	.0408	343*	280*	313*	536*	438*	490*	772*	631*	705*
8 (THW)	-	-	.0526	-	-	243*	-	-	380*	-	-	547*
6	.0519	.0625	.0819	246*	204*	156*	385*	320*	244*	554*	460*	351*
4	.0845	.0845	.1087	151*	151*	117*	236*	236*	183*	340*	340*	264*
3	.0995	.0995	.1263	128*	128*	101*	201*	201*	158*	289*	289*	228*
2	.1182	.1182	.1473	108*	108*	86*	169*	169*	135*	243*	243*	195*
1	.1590	.1590	.2027	80*	80*	63*	125*	125*	98*	181*	181*	142*
0	.1893	.1893	.2367	67*	67*	54*	105*	105*	84*	152*	152*	121*
00	.2265	.2265	.2781	56*	56*	46*	88*	88*	71*	127*	127*	103*
000	.2715	.2715	.3288	47*	47*	38*	73*	73*	60*	106*	106*	87*
0000	.3278	.3278	.3904	39*	39*	32*	61*	61*	51*	87*	87*	73*
250	.4206	.4206	.4877	30	30	26	47*	47*	41*	68*	68*	59*
300	.4669	.4669	.5581	27	27	22	42*	42*	35*	61*	61*	51*
350	.5307	.5307	.6291	24	24	20	37*	37*	31*	54*	54*	45*
400	.5931	.5931	.6969	21	21	18	33*	33*	28	48*	48*	41*
500	.7163	.7163	.8316	17	17	15	27	27	24	40*	40*	34*

- † The sq. in. figure represents 20% of the interior cross sectional area of the wireway. (See below 362-5 N.E.C.)
- * These figures represent the maximum no. of conductors of a given size that may be installed in a wireway when conditions permit exceeding the maximum fill of 30 conductors as detailed below in "exception NO. 2 N.E.C. para. 362-5".
- N.E.C. 362-5 Number of conductors. Wireway shall not contain more than 30 current carrying conductors at any cross section. The sum of the cross-sectional areas of all contained conductors at any cross-section of a wireway shall not exceed 20% of the interior cross sectional area of the wireway.
- Exception NO. 2 Conductors for signal circuits or controller conductors between a motor and its starter and used only for starting duty shall not be considered as current carrying conductors.
- THE ABOVE WIREWAY FILL TABLE IS ONLY A GUIDE TO USERS. IT IS OUR INTERPRETATION OF THE CODE AND IN NO WAY SHOULD IT BE CONSIDERED AS AUTHORITATIVE.



Description:

Nav-Tech gang boxes provide a rugged, high-capacity enclosure for ganging multiple wiring devices and conductors in commercial and industrial installations. Available in 1 5/8" and 2 1/2" depths and configurations spanning 2-gang through 9-gang, with knockouts on the sides, ends, and bottoms in both 1/2"-3/4" and 3/4"-1" patterns. A full line of raised covers, collars, flat and toggle covers, and partitions is offered to fit each box to its application [galvanized sheet steel construction with an ANSI 61 powder-coat finish — confirm], delivering durability, flexibility, and compliance with [UL and NEMA standards — confirm] across a wide range of installations.

Contents:

- Gang Boxes
- Raised Covers
- Gang Box Collars
- Flat Blank Covers
- Toggle Switch Covers
- Gang Box Partitions





Gang Boxes – 1 5/8" Deep (1/2" & 3/4" Knockouts)						
Catalog Number	Depth (Inches)	Length (Inches)	Cubic Inch Capacity	Knockouts Sides	Knockouts Ends	Knockouts Bottoms
2G	1 5/8	7	46	8	4	4 2
3G	1 5/8	8 7/8	58.5	10	4	6 4
4G	1 5/8	10 5/8	71	12	4	6 4
5G	1 5/8	12 1/2	84	14	4	6 4
6G	1 5/8	14 1/4	95	16	4	6 4
7G	1 5/8	16 1/16	108.5	18	4	6 4
8G	1 5/8	17 7/8	122	20	4	6 4
9G	1 5/8	19 3/4	133.5	22	4	6 4



Gang Boxes – 2 1/2" Deep (Available in 1/2"-3/4" and 3/4"-1" KO Configurations)						
Catalog Number	Depth (Inches)	Length (Inches)	Cubic Inch Capacity	Knockouts Sides	Knockouts Ends	Knockouts Bottoms
2GD-1/2	2 1/2	7	71	8	4	4 2
3GD-1/2	2 1/2	8 7/8	90.5	10	4	6 4
4GD-1/2	2 1/2	10 5/8	111.8	12	4	6 4
5GD-1/2	2 1/2	12 1/2	128.7	14	4	6 4
6GD-1/2	2 1/2	14 1/4	148.2	16	4	6 4
7GD-1/2	2 1/2	16 1/16	169.5	18	4	6 4
8GD-1/2	2 1/2	17 7/8	188.8	20	4	6 4
9GD-1/2	2 1/2	19 3/4	208.8	22	4	6 4
2GD-3/4	2 1/2	7	71	8	4	4 2
3GD-3/4	2 1/2	8 7/8	90.5	10	4	6 4
4GD-3/4	2 1/2	10 5/8	111.8	12	4	6 4
5GD-3/4	2 1/2	12 1/2	128.7	14	4	6 4
6GD-3/4	2 1/2	14 1/4	148.2	16	4	6 4
7GD-3/4	2 1/2	16 1/16	169.5	18	4	6 4
8GD-3/4	2 1/2	17 7/8	188.8	20	4	6 4
9GD-3/4	2 1/2	19 3/4	208.8	22	4	6 4



1/2" Raised Covers				
Catalog Number	# of Gangs	Cubic Inch Capacity	Description	Length Capacity
2G-1/2	2	8.1	Fits 2 Gang Box	7
3G-1/2	3	11.7	Fits 3 & 2 Gang Box	8-13/16
4G-1/2	4	14.9	Fits 4 & 3 Gang Box	10-5/8
5G-1/2	5	17.5	Fits 5 & 4 Gang Box	12-7/16
6G-1/2	6	20.4	Fits 6 & 5 Gang Box	14-1/4
7G-1/2	7	24.1	Fits 7 & 6 Gang Box	16-1/16
8G-1/2	8	26.9	Fits 8 & 7 Gang Box	17-7/8
9G-1/2	9	31.8	Fits 9 & 8 Gang Box	19-11/16

3/4" Raised Covers				
Catalog Number	# of Gangs	Cubic Inch Capacity	Description	Length Capacity
2G-3/4	2	11.2	Fits 2 Gang Box	7
3G-3/4	3	17.1	Fits 3 & 2 Gang Box	8-13/16
4G-3/4	4	21.6	Fits 4 & 3 Gang Box	10-5/8
5G-3/4	5	26.2	Fits 5 & 4 Gang Box	12-7/16
6G-3/4	6	30.5	Fits 6 & 5 Gang Box	14-1/4
7G-3/4	7	36.1	Fits 7 & 6 Gang Box	16-1/16
8G-3/4	8	41.3	Fits 8 & 7 Gang Box	17-7/8
9G-3/4	9	46.3	Fits 9 & 8 Gang Box	19-11/16

1" Raised Covers				
Catalog Number	# of Gangs	Cubic Inch Capacity	Description	Length Capacity
2G-1"	2	16.2	Fits 2 Gang Box	7
3G-1"	3	23.4	Fits 3 & 2 Gang Box	8-13/16
4G-1"	4	29.8	Fits 4 & 3 Gang Box	10-5/8
5G-1"	5	35	Fits 5 & 4 Gang Box	12-7/16
6G-1"	6	40.8	Fits 6 & 5 Gang Box	14-1/4
7G-1"	7	48.2	Fits 7 & 6 Gang Box	16-1/16
8G-1"	8	53.8	Fits 8 & 7 Gang Box	17-7/8
9G-1"	9	63.2	Fits 9 & 8 Gang Box	19-11/16



Gang Box Collars — 1 5/8" Deep (1/2" & 3/4" Knockouts)				
Catalog Number	Length (Inches)	Cubic Inch Capacity	Knockouts Sides	Knockouts Ends
COLL158-2	7	46	8	4
COLL158-3	8 7/8	58.5	10	4
COLL158-4	10 5/8	71	12	4
COLL158-5	12 1/2	84	14	4
COLL158-6	14 1/4	95	16	4
COLL158-7	16 1/16	108.5	18	4
COLL158-8	17 7/8	122	20	4
COLL158-9	19 3/4	133.5	22	4

Gang Box Collars — 2 1/2" Deep (1/2" & 3/4" Knockouts)				
Catalog Number	Length (Inches)	Cubic Inch Capacity	Knockouts Sides	Knockouts Ends
COLL212-2	7	71	8	4
COLL212-3	8 7/8	90.5	10	4
COLL212-4	10 5/8	111.82	12	4
COLL212-5	12 1/2	128.7	14	4
COLL212-6	14 1/4	148.2	16	4
COLL212-7	16 1/16	169.5	18	4
COLL212-8	17 7/8	188.8	20	4
COLL212-9	19 3/4	208.8	22	4



Flat Blank Covers, Toggle Switches, Gang Box Partitions

Flat Blank Covers			
Catalog Number	# of Gangs	Description	Length Capacity
2G-FB	2	Fits 2 Gang Box	7
3G-FB	3	Fits 3 Gang Box	8 13/16
4G-FB	4	Fits 4 Gang Box	10 5/8
5G-FB	5	Fits 5 Gang Box	12 7/16
6G-FB	6	Fits 6 Gang Box	14 1/4
7G-FB	7	Fits 7 Gang Box	16 1/16
8G-FB	8	Fits 8 Gang Box	17 7/8
9G-FB	9	Fits 9 Gang Box	19 11/16

Toggle Switch Covers			
Catalog Number	# of Gangs	Description	Length Capacity
2G-T	2	Fits 2 Gang Box	7
3G-T	3	Fits 3 Gang Box	8 13/16
4G-T	4	Fits 4 Gang Box	10 5/8
5G-T	5	Fits 5 Gang Box	12 7/16
6G-T	6	Fits 6 Gang Box	14 1/4
7G-T	7	Fits 7 Gang Box	16 1/16
8G-T	8	Fits 8 Gang Box	17 7/8
9G-T	9	Fits 9 Gang Box	19 11/16

Gang Box Partitions	
Catalog Number	Description
PART158-SQ	Fits 1 5/8" Deep Gang Box - No Rise on Cover-Flat
PART158-12	Fits 1 5/8" Deep Gang Box - w/ 1/2" Cover Rise
PART158-34	Fits 1 5/8" Deep Gang Box - w/ 3/4" Cover Rise
PART212-SQ	Fits 2 1/2" Deep Gang Box - No Rise on Cover-Flat
PART212-12	Fits 2 1/2" Deep Gang Box - w/ 1/2" Cover Rise
PART212-34	Fits 2 1/2" Deep Gang Box - w/ 3/4" Cover Rise



Item
Barrel Lock Guard
Minute Meter Guard
Cam Lock Cat 45 Key
Key Locking Latch
Padlockable Handle
1" Hex Glastic Insulators 1/4"
1-1/4" Hex Glastic Insulators 1/4"
Round Glastic Insulators 3/8"
1-1/4" Hub
1-1/2" Hub
2" Hub
3" Hub
3-1/2" Hub
4" Hub
3" Top Cover Plate
5" Top Cover Plate



Top Cover Plate



Hubs



Barrel Lock Guard



Minute Meter Guard



Padlocking Handle



Key Locking Latch



Glastic Insulators

Description:

Nav-Tech bus and ground bars are available in a wide variety of configurations, including hole and slot patterns in unplated copper, tin-plated copper, or stainless steel, with or without mounting brackets and insulators. Plexiglass covers are also available.

Non-standard configurations are supported for special applications, delivering durability, flexibility, and compliance with UL standards across a wide range of installations.

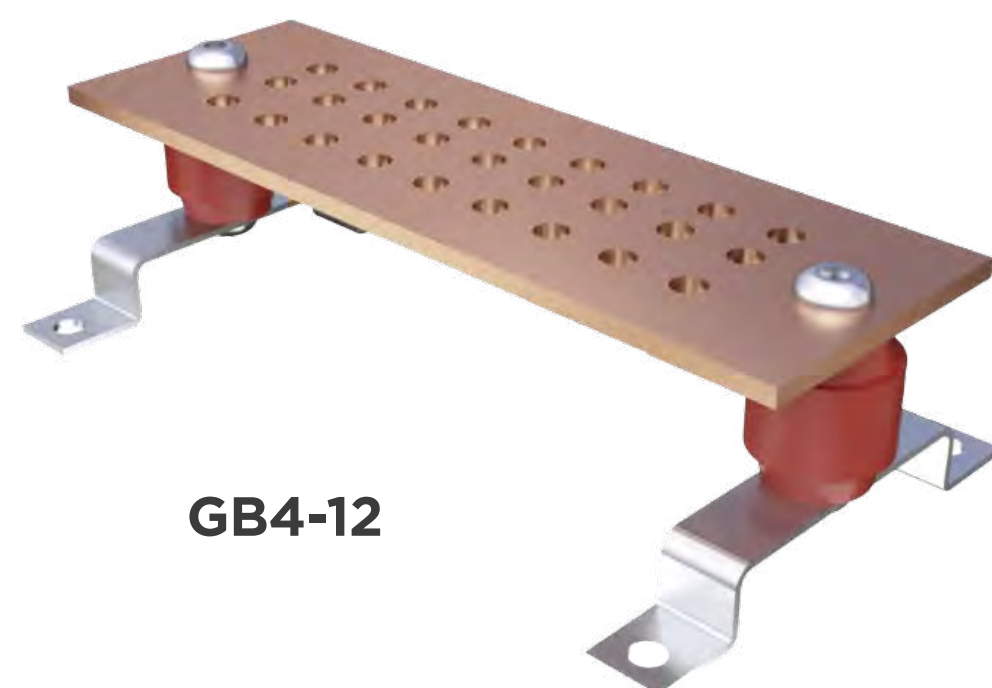
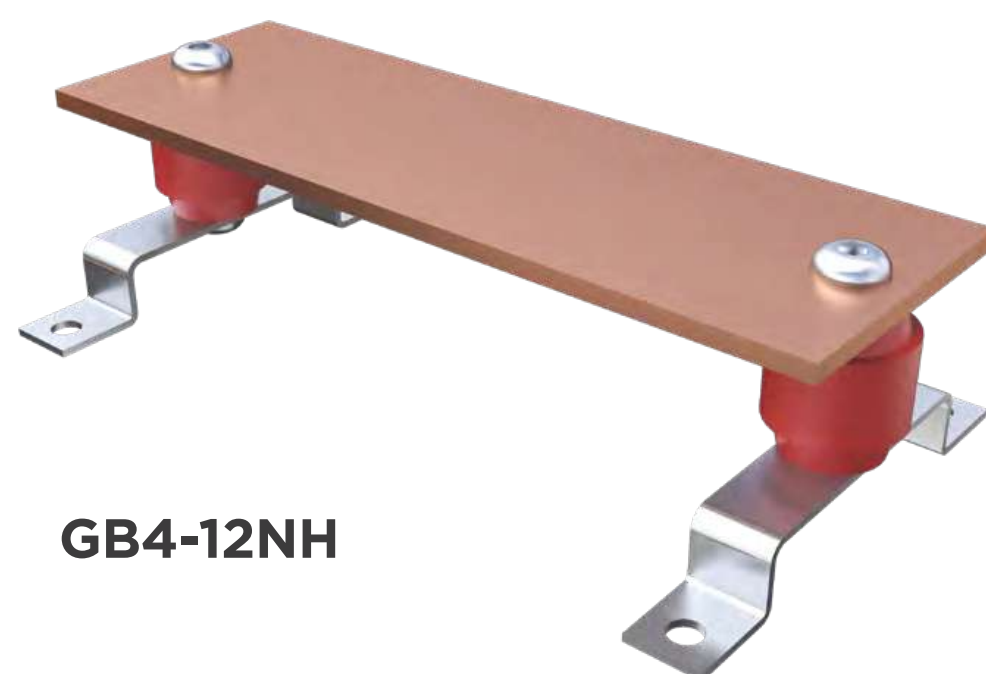
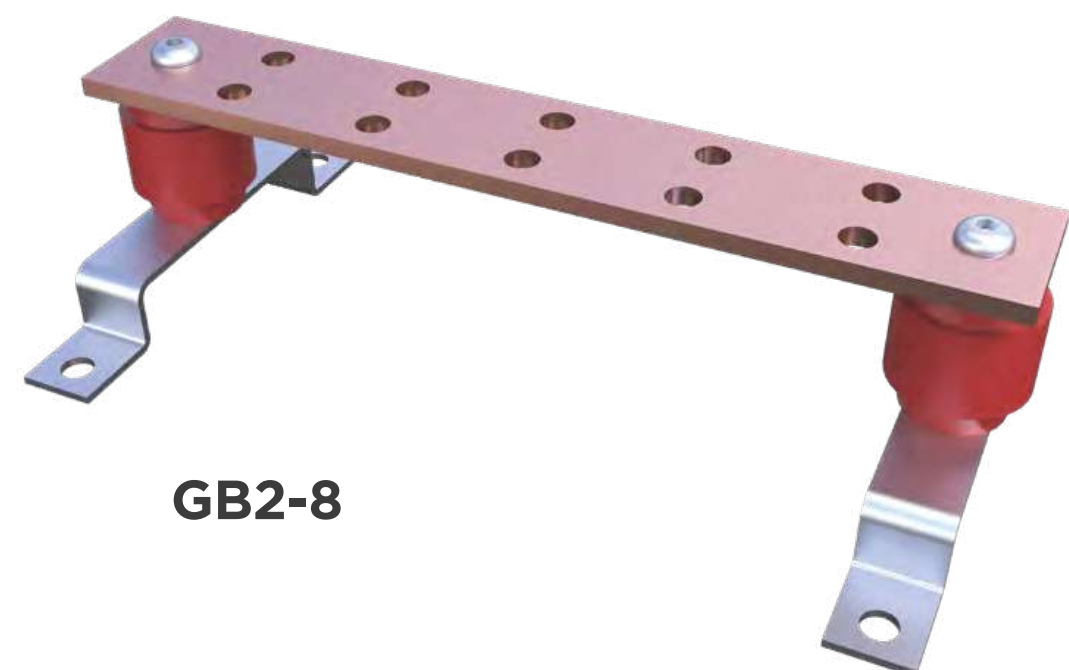
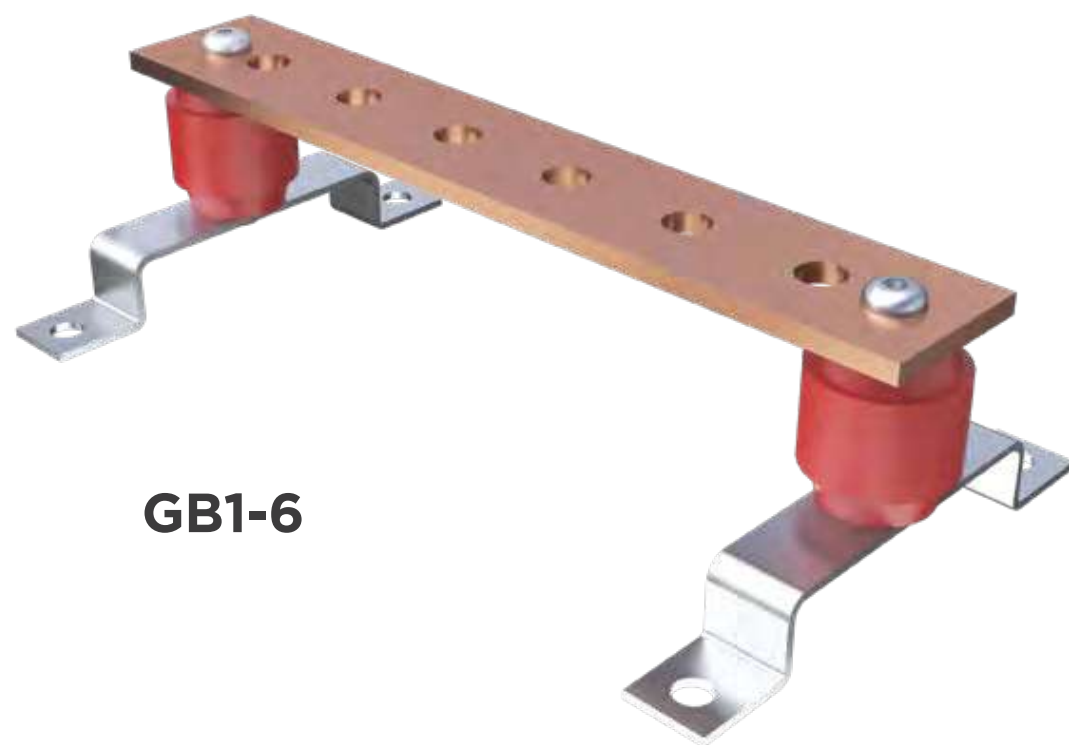
Contents:

Stock Patterns

Custom Patterns

Room Patterns

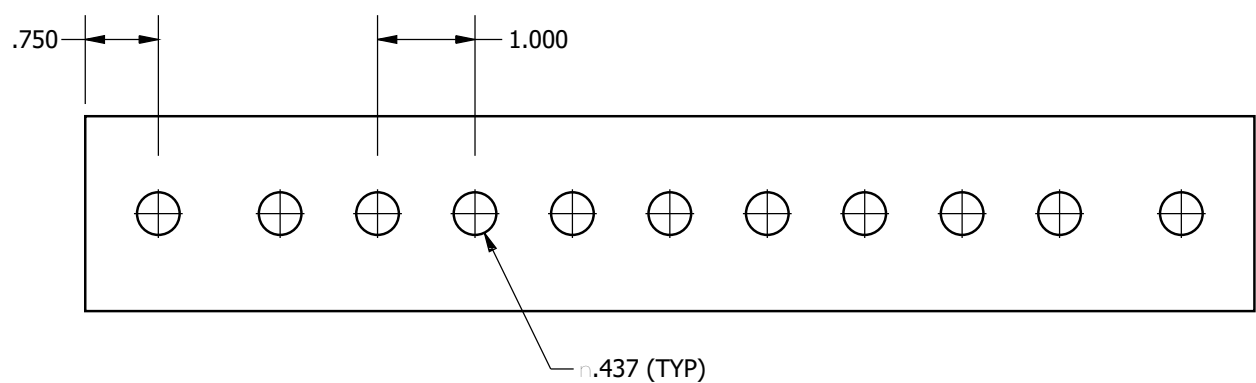
Ampacity Calculation



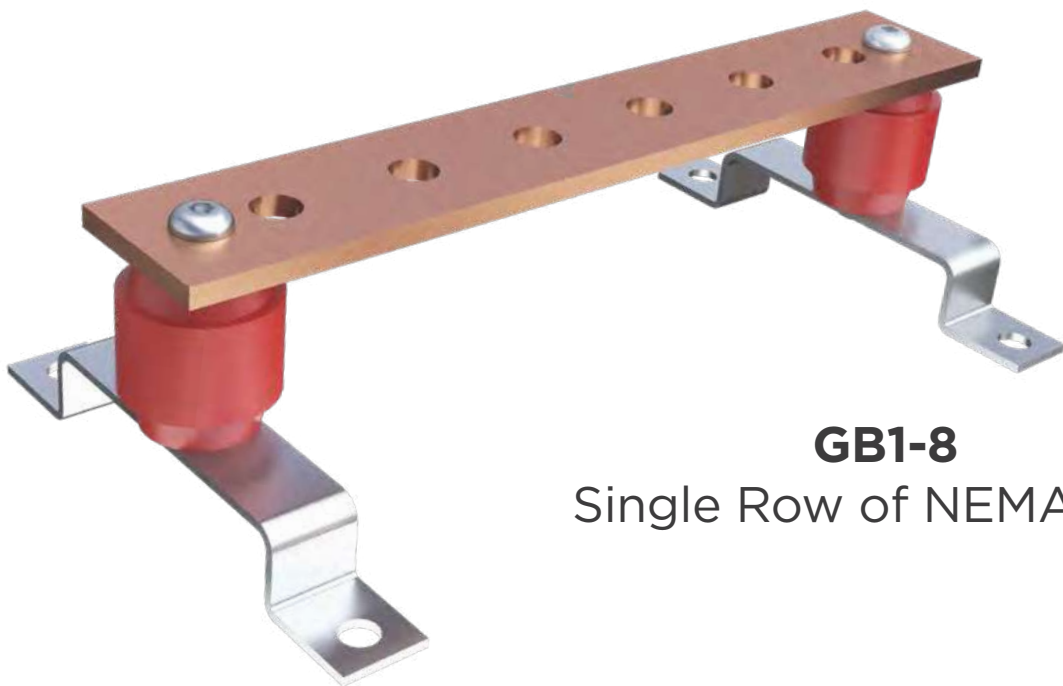


Nav-Tech Stock Hole Pattern Bus or Ground Bus

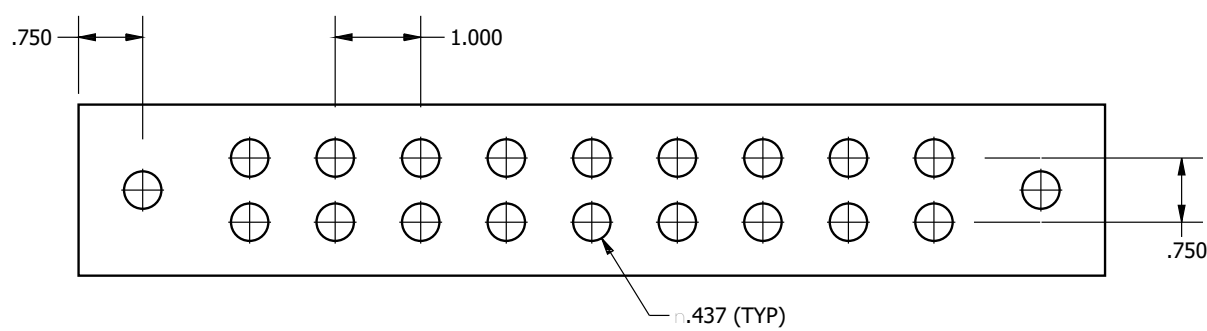
- Industry standard hole pattern in accordance with NEMA CC1 Standard. Add suffix "PL" for insulators and plexiglass cover. Can be used with Nav-Tech Lugs with NEMA pads.



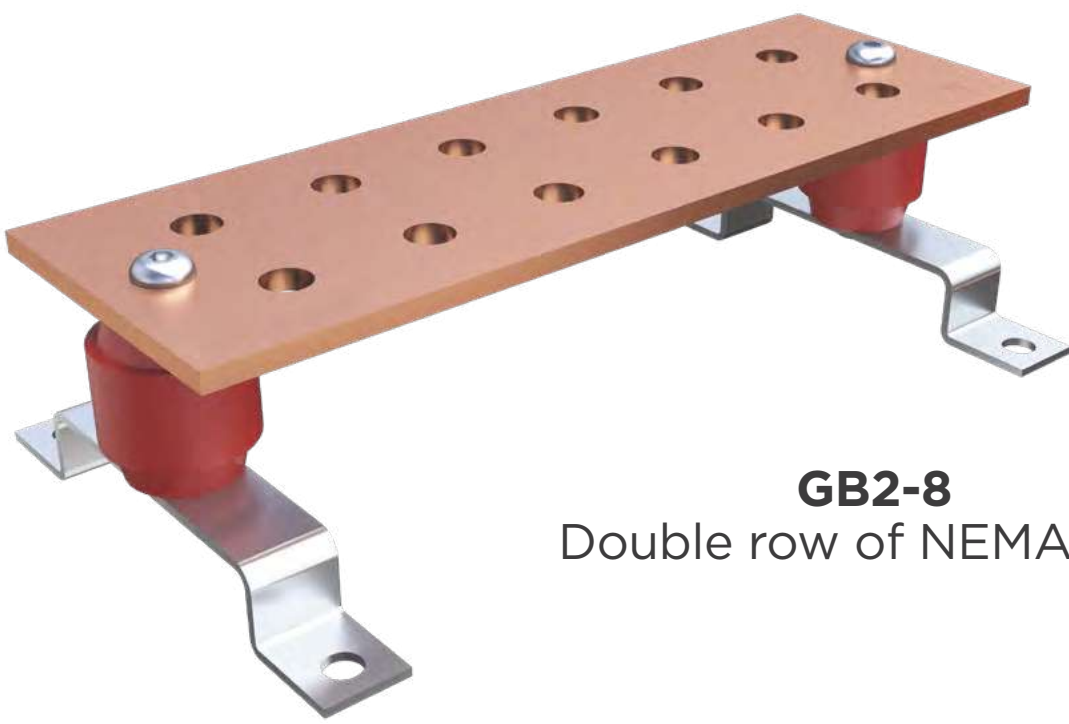
Pattern H
Single Row of NEMA Holes



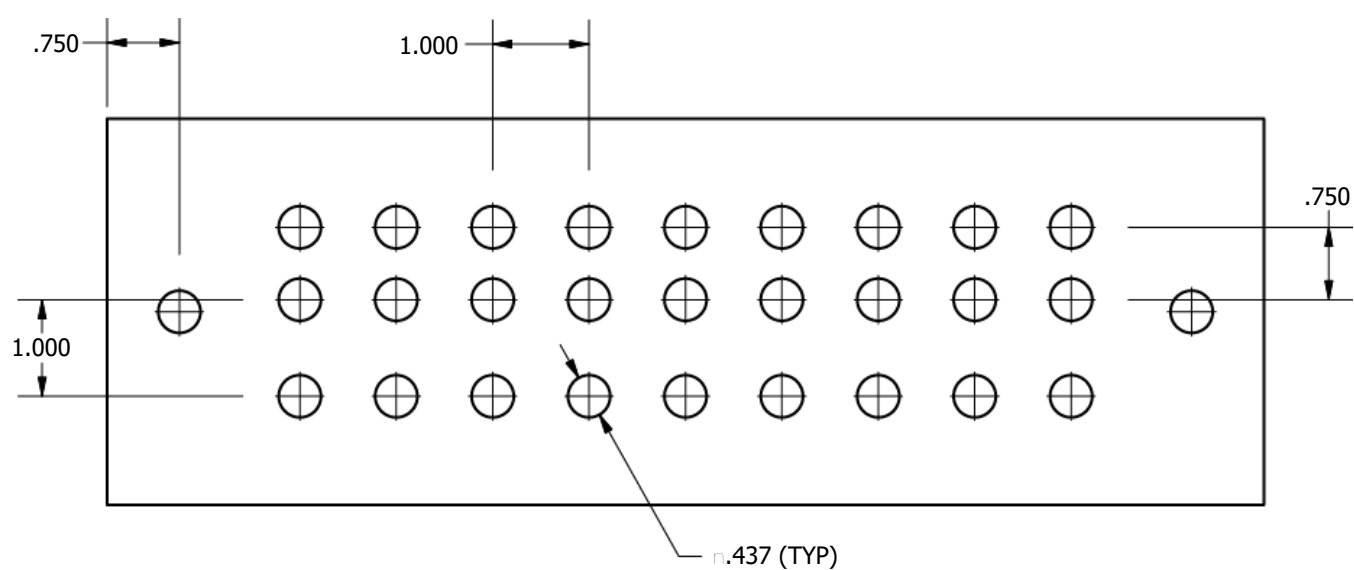
GB1-8
Single Row of NEMA Holes



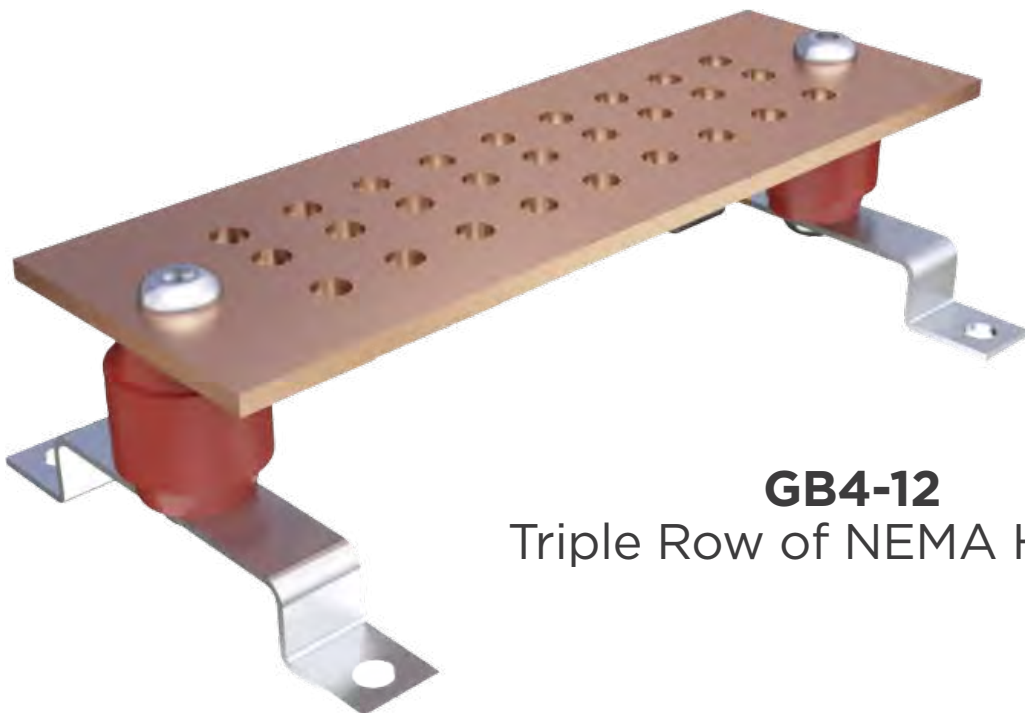
Pattern Z
Double row of NEMA holes



GB2-8
Double row of NEMA holes



Pattern J
Triple Row of NEMA Holes

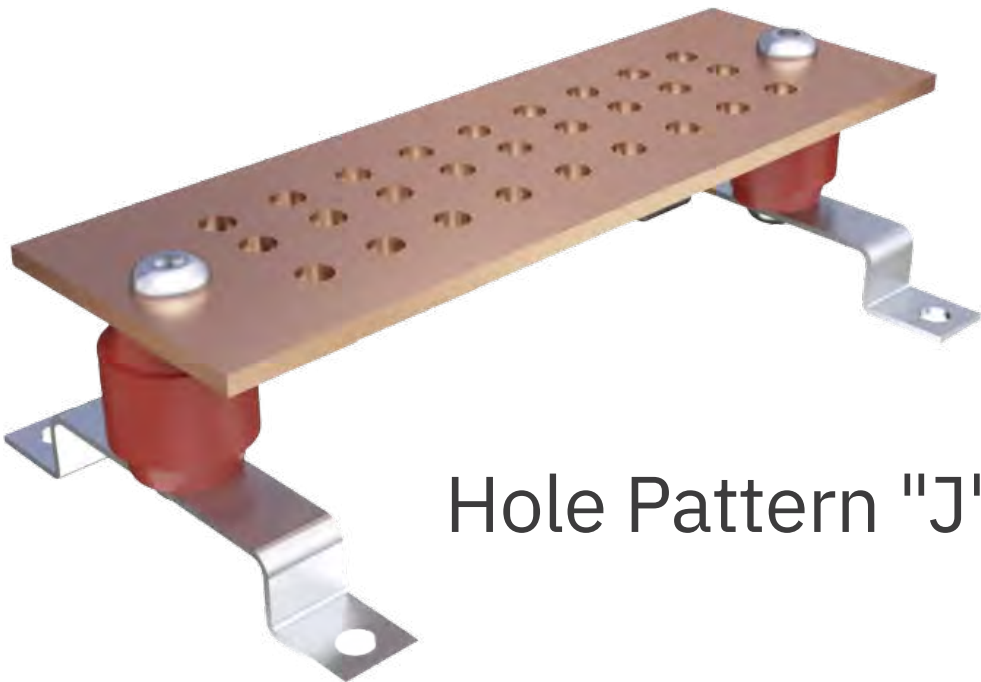


GB4-12
Triple Row of NEMA Holes



Features

- Mounting holes not included in total.
- Accommodates 2-hole lugs spaced 3/4", 1", and 1-3/4" on center.
- Bars available tin plated; with tamper proof bolts, plexiglass cover.
- Other sizes available, contact sales for details.



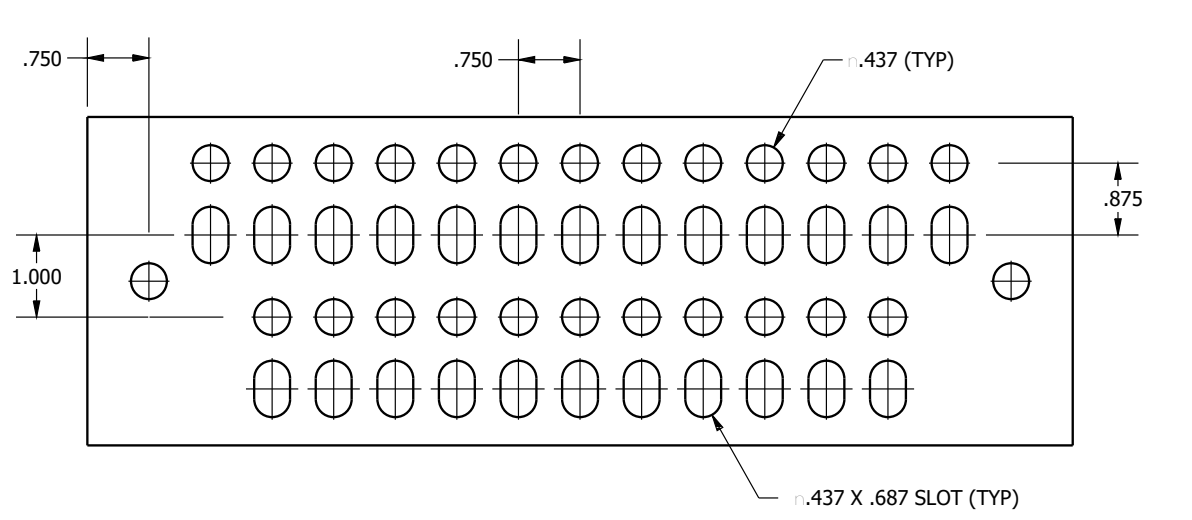
Hole Pattern "J"

Pattern H				
Catalog Number	Description	Tinned	Bar Size	# of Holes
GB1-6	Bar with Insulators and Brackets	No	1" x 6" x 1/4"	5
GB1-12			1" x 12" x 1/4"	9

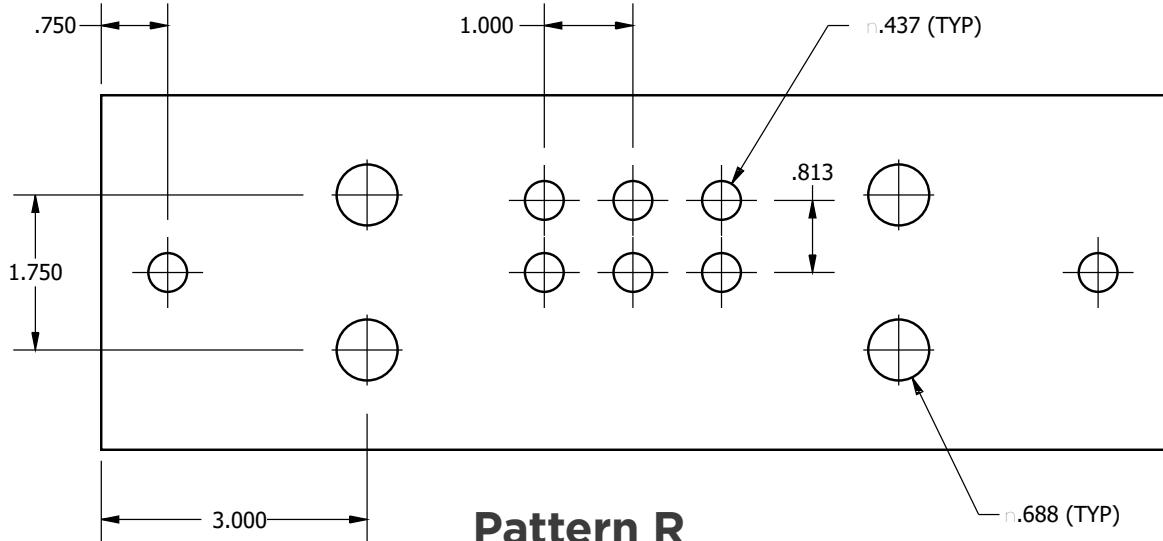
Pattern Z				
Catalog Number	Description	Tinned	Bar Size	# of Holes
GB2-8	Bar with Insulators and Brackets	No	2" x 8" x 1/4"	12
GB2-12			2" x 12" x 1/4"	20
GB2-18			2" x 18" x 1/4"	20
GB2-24			2" x 24" x 1/4"	14

Pattern J				
Catalog Number	Description	Tinned	Bar Size	# of Holes
GB4-6	Bar with Insulators and Brackets	No	4" x 6" x 1/4"	11
GB4-12			4" x 12" x 1/4"	29
GB4-18			4" x 18" x 1/4"	20
GB4-20			4" x 20" x 1/4"	20
GB4-36			4" x 36" x 1/4"	20

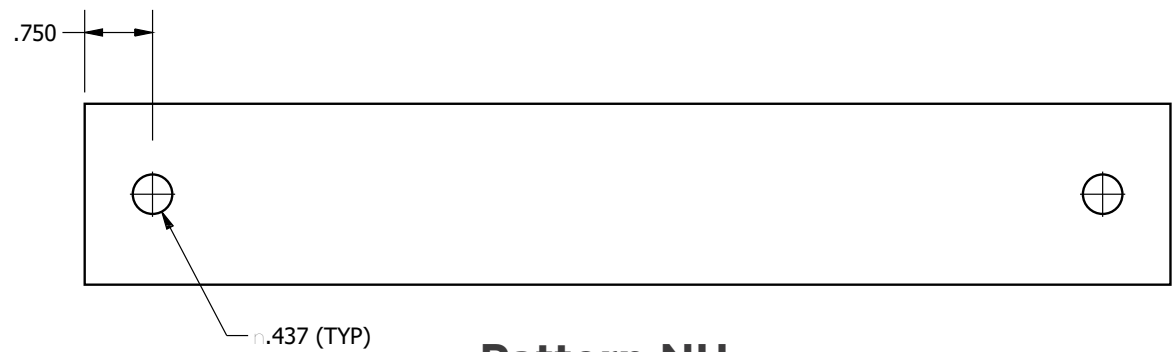




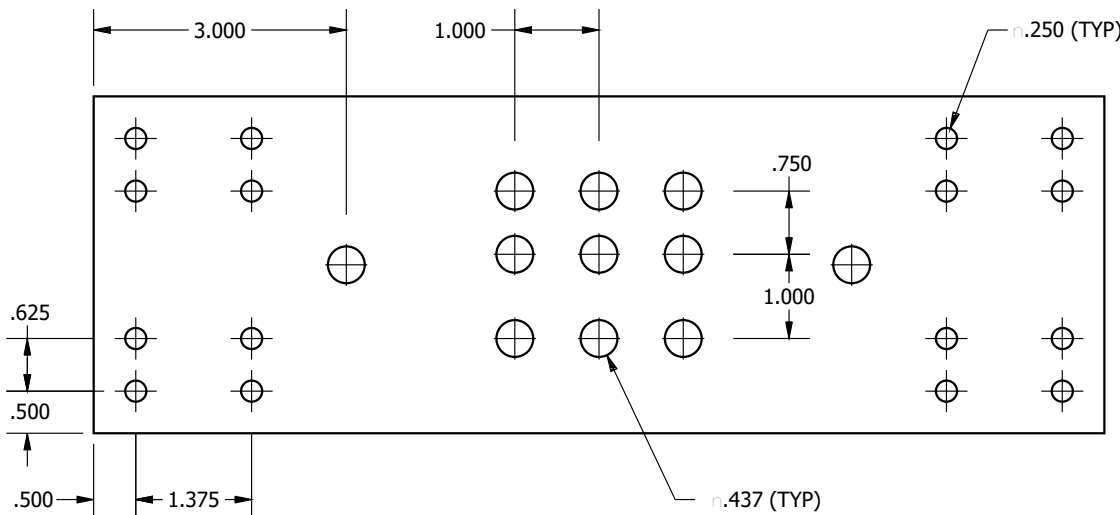
Pattern M



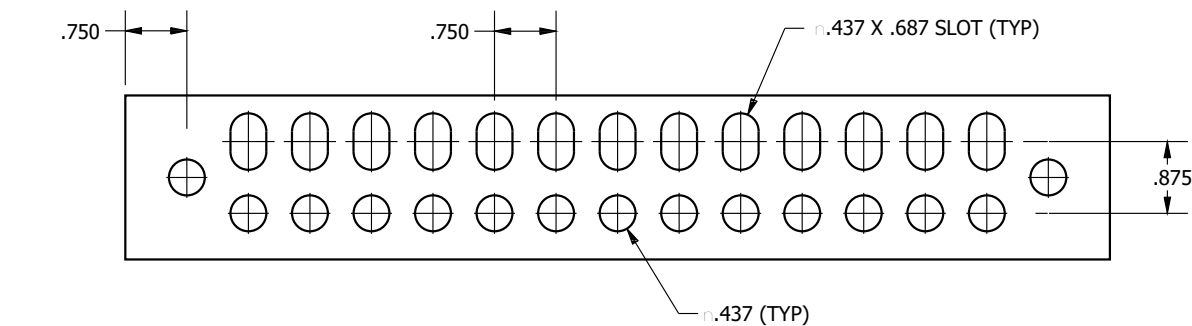
Pattern R



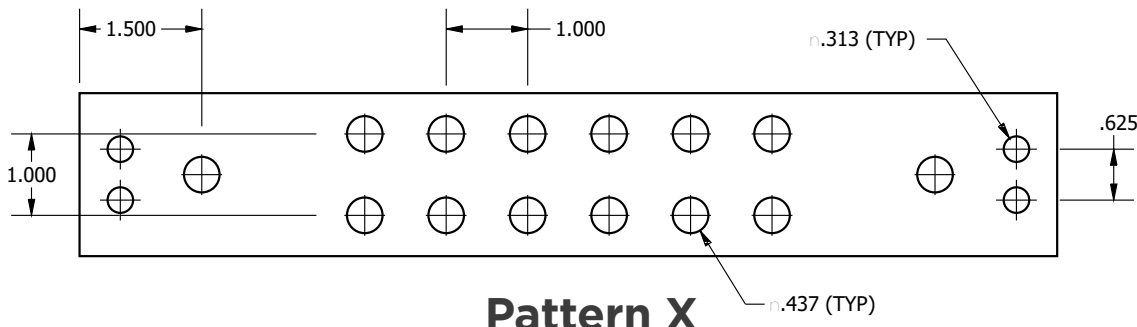
Pattern NH



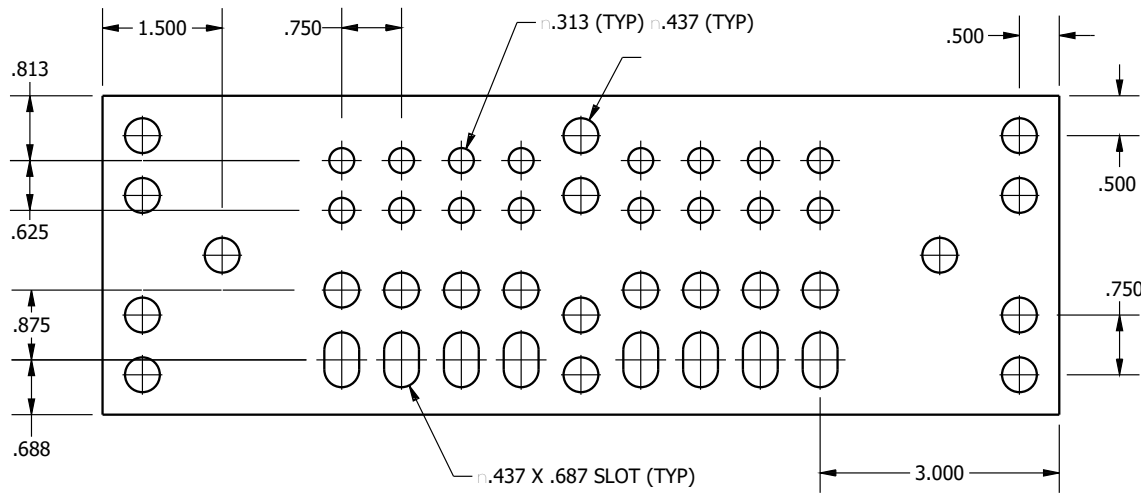
Pattern V



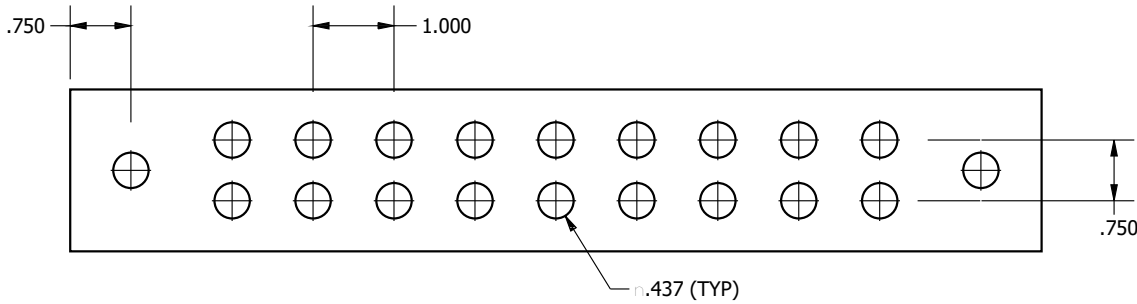
Pattern P



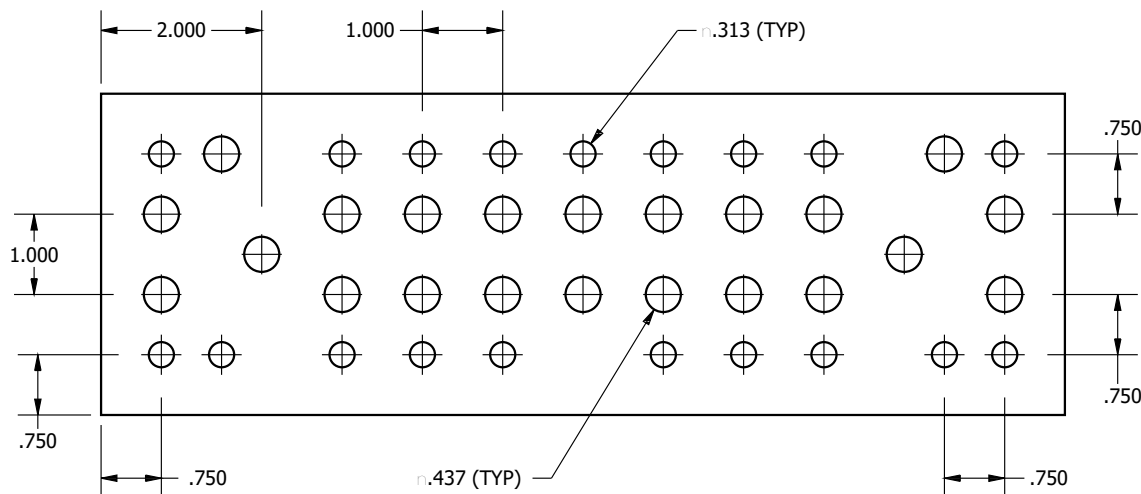
Pattern X



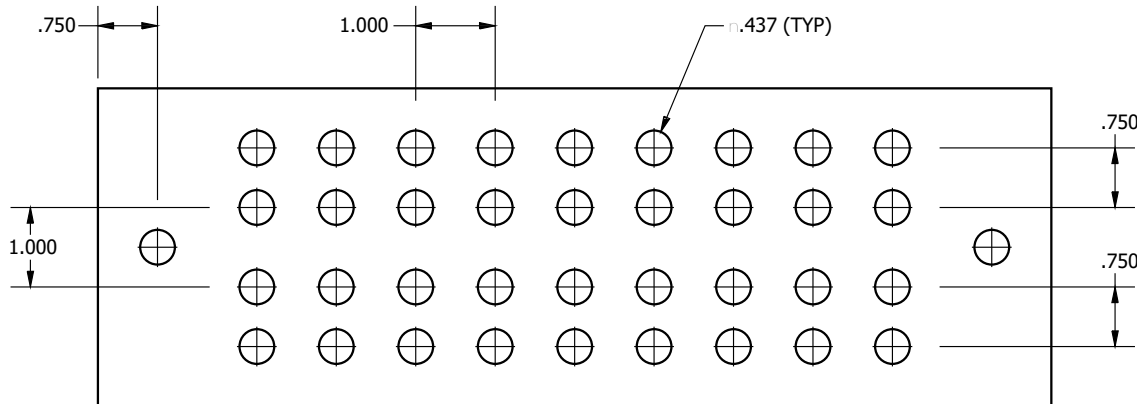
Pattern Q



Pattern Z



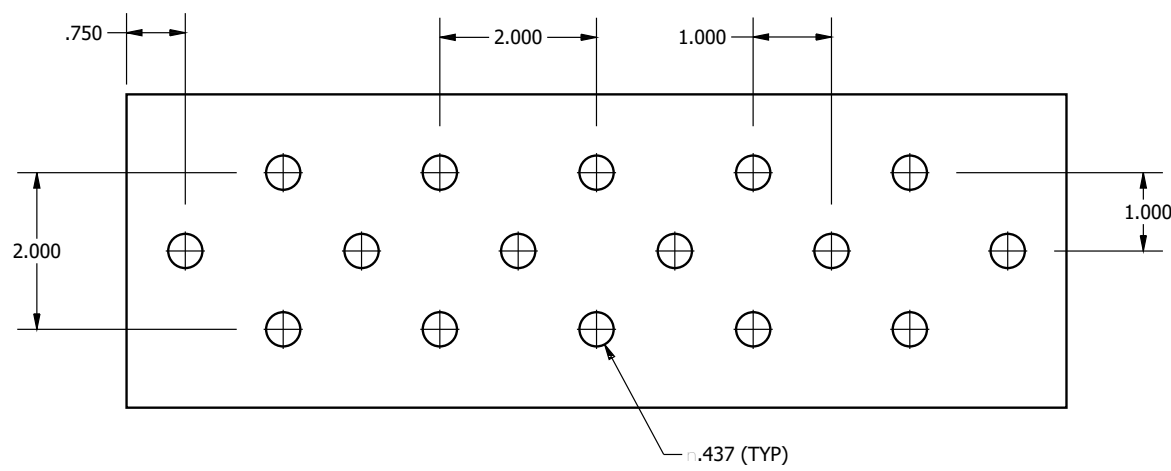
Pattern T



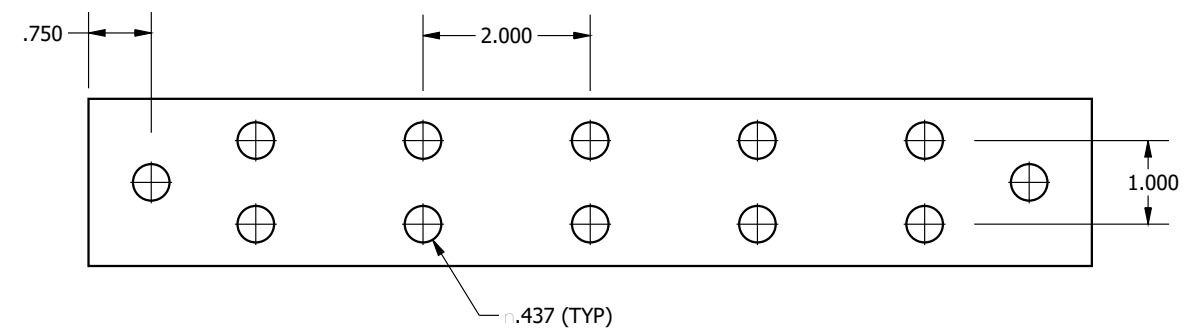
Pattern W

*For telecom ground bars -
See Pattern S on pages 7 & 8

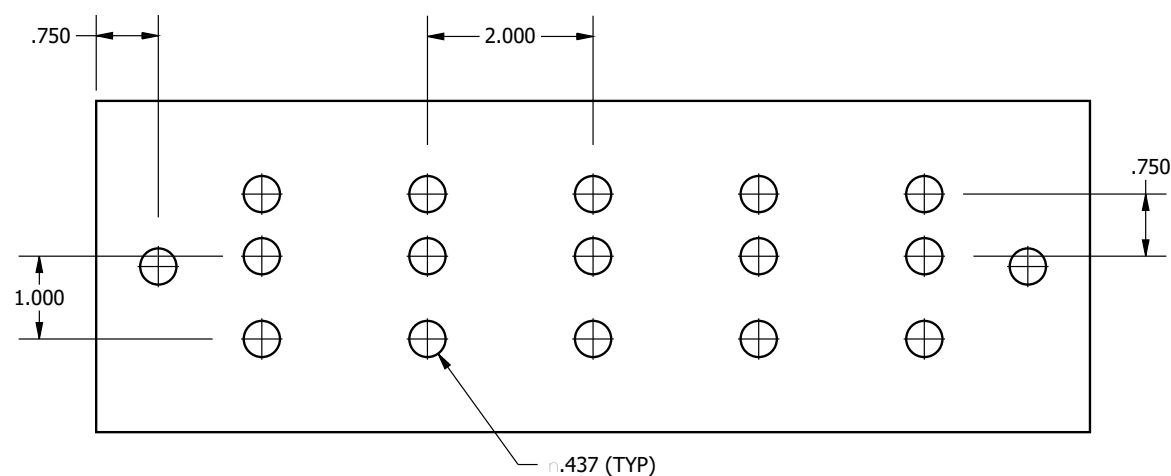




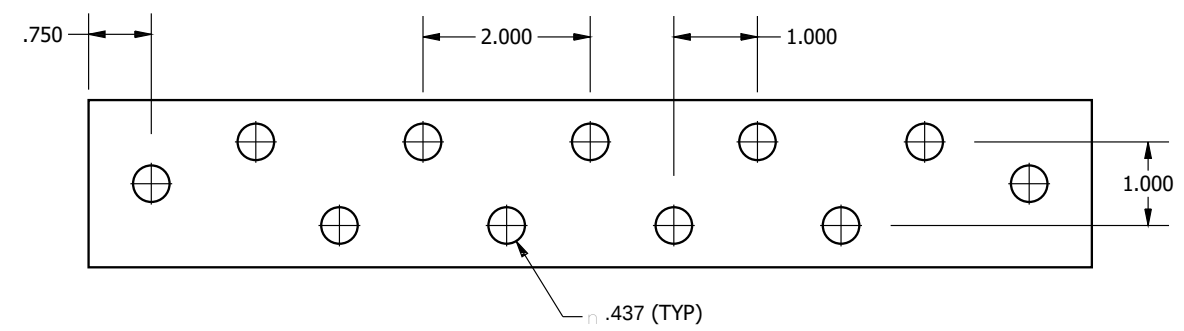
Pattern A



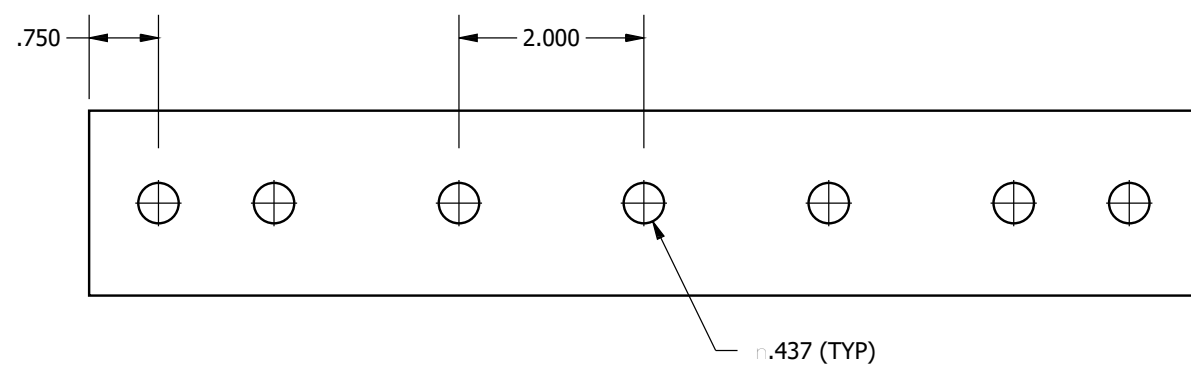
Pattern B



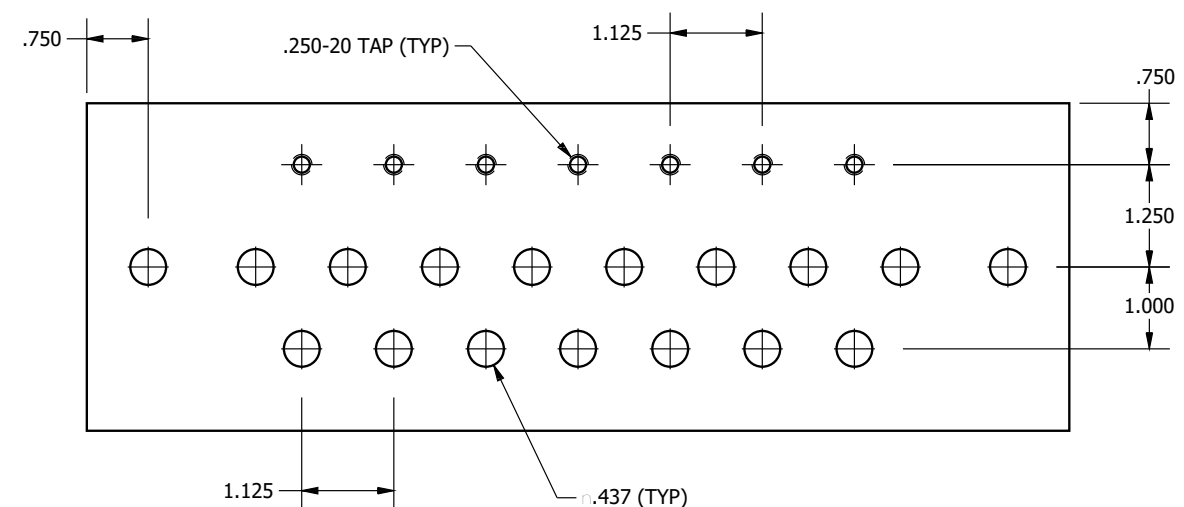
Pattern C



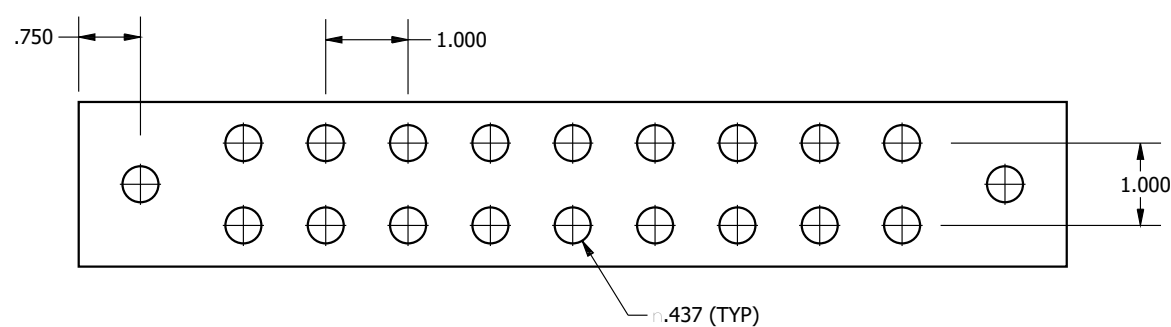
Pattern D



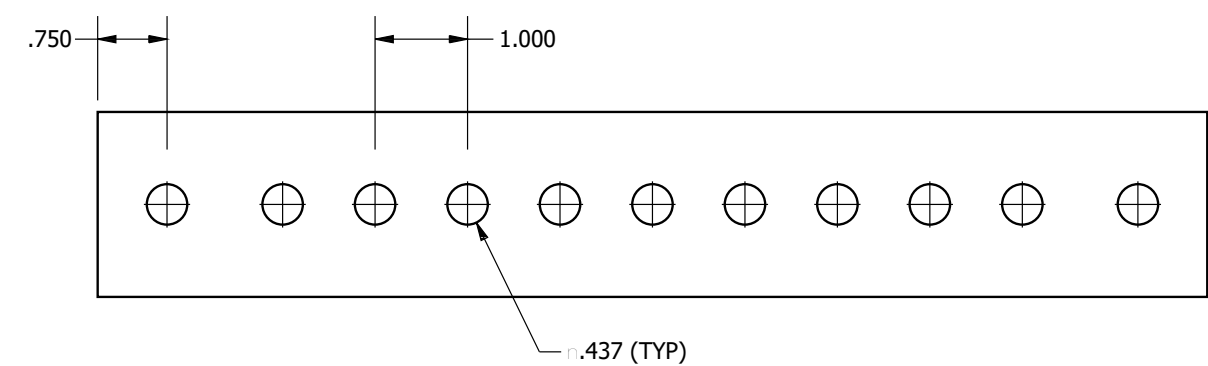
Pattern E



Pattern F

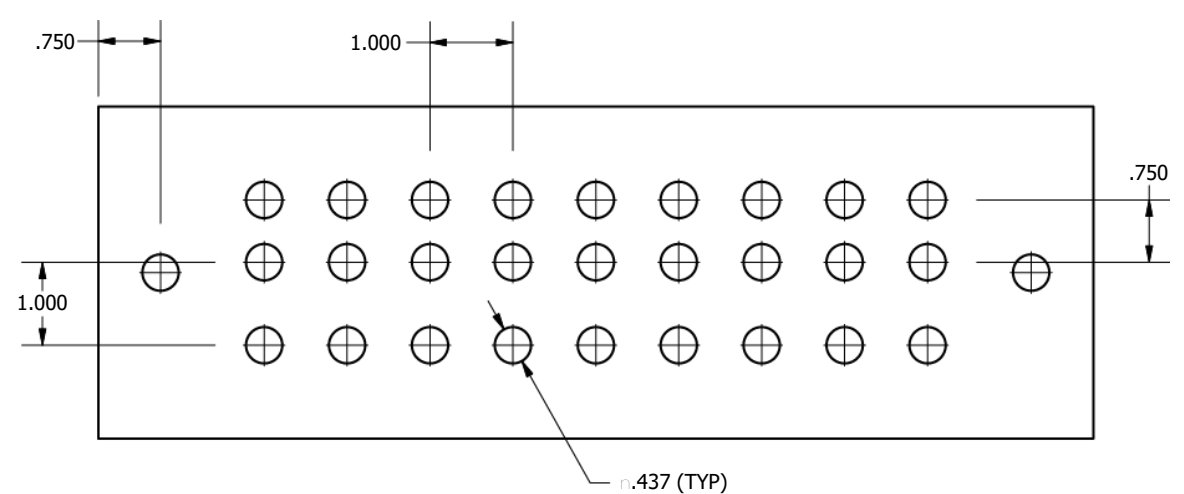


Pattern G



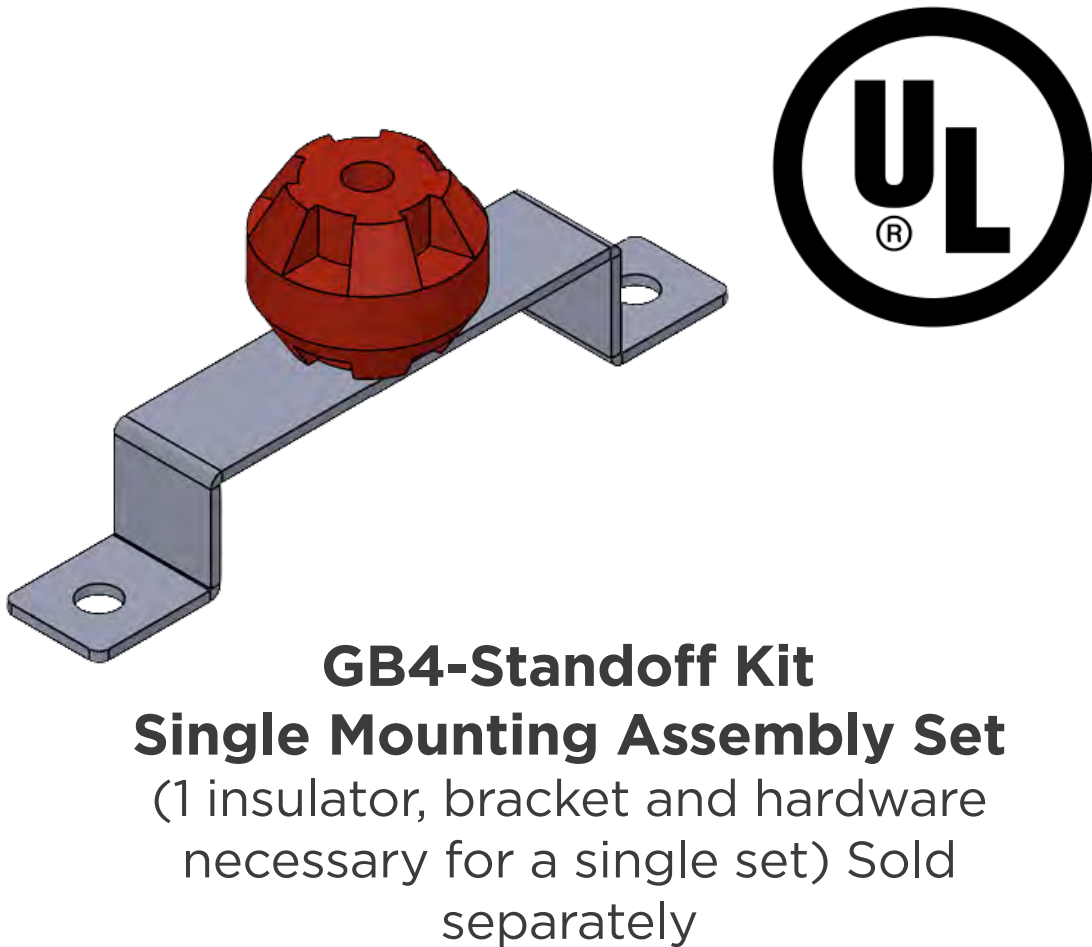
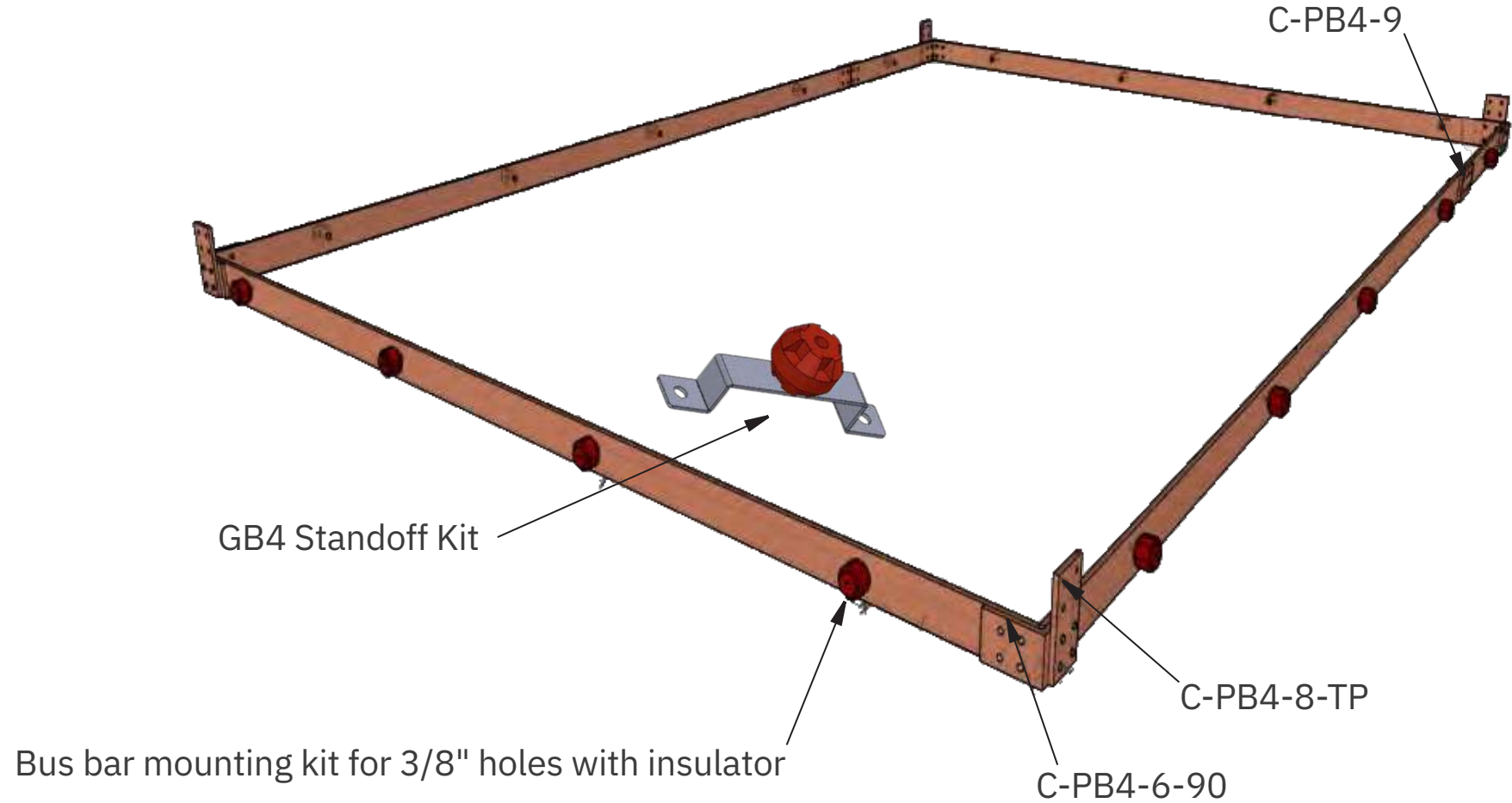
Pattern H

- All holes are 7/16" unless specified differently. To order threaded holes, specify hole size; the standard tapped hole size is 1/4"-20 unless specified otherwise.
- Above bar patterns represent a 12" ground bar.
- All bars are available with tin plating.
- For NEMA hole pattern ground bars see page 9.



Pattern J

Typical complete perimeter copper grounding bus system assembly

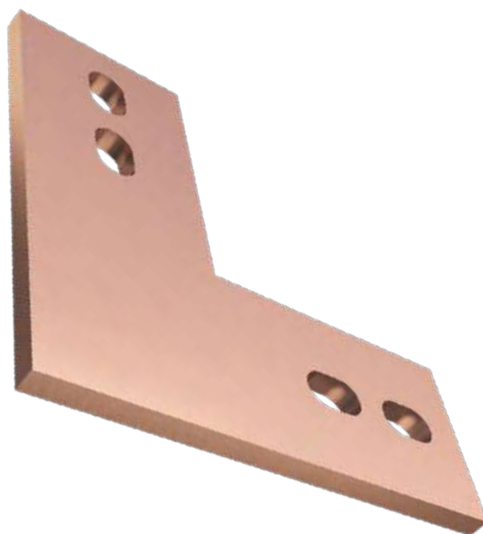


Description (No Hole Patterns)

- A perimeter bus bar system is designed to terminate ground wires and cables from equipment and other devices within a structure. The system encompasses straight bars, elbows, splicers, insulators and mounting brackets. This versatile system is great for clean rooms, data centers and laboratories when designing around corners and doors.

Perimeter Bus Bar Splices

Catalog Number	Description
C-PB2-6	2" Single axis splice plate
C-PB4-9	4" Single axis splice plate
C-PB2-4-90	2" 90° Horizontal splice plate
C-PB2-6-90	4" 90° Horizontal splice plate
C-PB2-5-L	2" 90° Vertical splice plate
C-PB4-8-TP	4" 90° Vertical splice plate

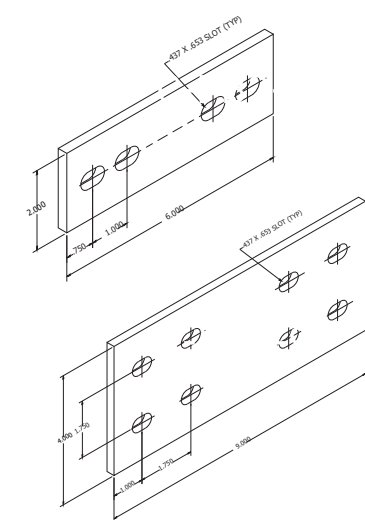
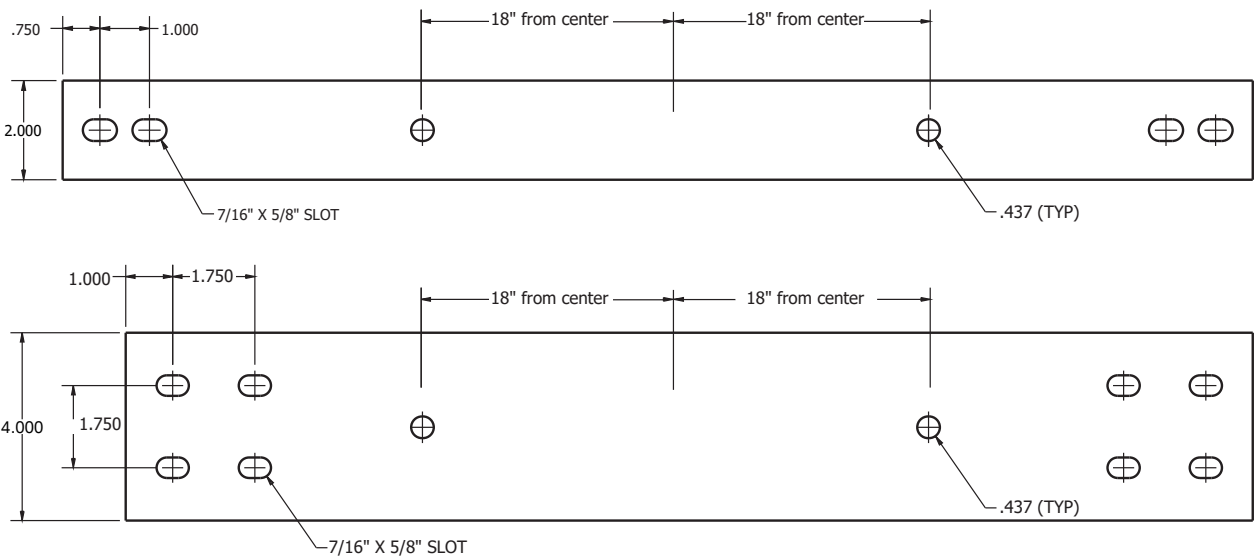


Flat 90 Degree Splice Plate (2")

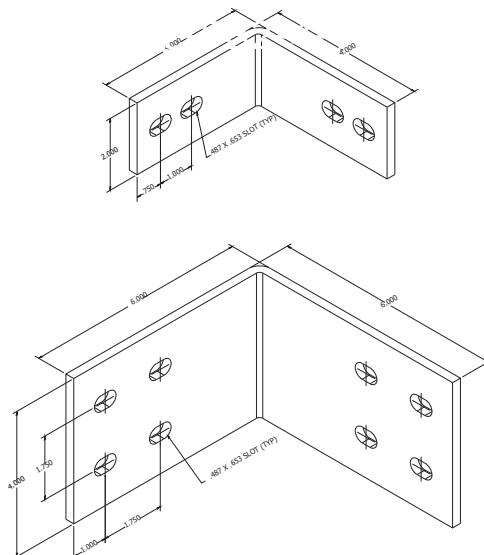
Perimeter Bus Bar Main Leaves

Catalog Number	Description
C-PB2-XX	2" Perimeter bar leaf
C-PB4-XX	4" Perimeter bar leaf

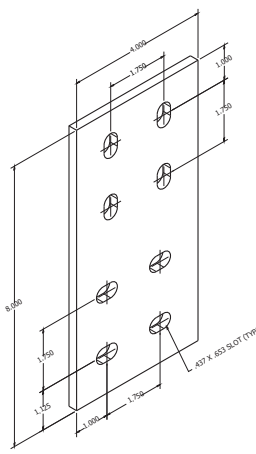
*No hole pattern except mounting holes.
Can be made to any length.



Single Axis Splice Plates



90 Degree Splice Plates



Flat 90 Degree Splice Plates (4"-6")



Calculating the ampacity of a bus bar is very complex as it is dependent on several variables. Some of these variables include, but are not limited to, size and shape of bar, bar orientation, bar material, and other various operating environmental conditions such as ambient temperature, allowed operating temperature, and air flow (enclosure vs open free air or forced air convection), and AC vs. DC current.

Published data from the Copper Development Association is an excellent starting point for a quick reference table of standard bar sizes vs. common allowed temperature rises, as seen in industry. The table provides ampacities at three different temperature rises, 30°C, 50°C, and 65°C. The values shown in the table are based “on samples exposed for 60 days in an industrial environment”. Some of the variables were fixed, such as 40°C ambient temperature, horizontal on edge orientation, AC current, and a bar emissivity of 0.4. To use the table, first determine your bar width as well as the allowed temperature rise. Then, look for the intersection of these two points on the table to determine the ampacity for that bar size under the specific operation conditions.

Bar Dimensions (Thickness x Width)	Example Catalog	30°C Rise (70° Operating Temp.)	50°C Rise (70° Operating Temp.)	50°C Rise (70° Operating Temp.)
1/4 x 1	CB14112	400	530	620
1/4 x 1.5	CB141.512	560	740	860
1/4 x 2	CB14212	710	940	1100
1/4 x 3	CB14312	990	1150	1550
1/4 x 4	CB14412	1250	1700	1950
1/4 x 6	CB14612	1750	2350	2700

On the following page, you will find the set of equations, derivations, and variables (based on the governing equation in the above data sheet) you can use to calculate the ampacity of the bus bar. Simply determine your operating conditions and assumptions and modify the necessary variables. The following sample equation is for a 1/4" thick, 4" wide and 12" long bar, oriented horizontally on edge, with a 40°C ambient temperature, 30°C temperature rise, DC current, and assumed variable values.

*Calculated values might differ slightly from the values shown in the Copper Development Association table, as variables and assumptions might be different and calculated values are theoretical, where values in the Copper Development Association table are experimental, based on actual samples.

For a more complete list of ampacities based on bar size and temperature rises, please visit the Copper Development Association: https://www.copper.org/applications/electrical/busbar/bus_table1.html



Calculating thermal energy produced and thermal energy dissipation

- $E_{in} = I^2 \times R$
 I = current
 R = resistance = $\frac{\rho L}{A_c}$
 ρ = resistivity of the conductor
- L = length of conductor
 A_c = cross sectional area of the conductor
- $E_{out} = Q_{conv} + Q_{rad}$
 Q_{conv} = heat dissipation due to convection
 Q_{rad} = heat dissipation due to radiation

Calculating heat dissipation via convection

- $Q_{conv} = [h_v * A_v * (T_c - T_a)] + [h_{ht} * A_{ht} * (T_c - T_a)] + [h_{hb} * A_{hb} * (T_c - T_a)]$
 h_v = vertical convection coefficient of free air $\frac{W}{m^2K}$
 h_{ht} = horizontal convection coefficient of top surface of free air $\frac{W}{m^2K}$
 h_{hb} = horizontal convection coefficient of bottom surface of free air $\frac{W}{m^2K}$
- A_v = vertical surface of conductor (m^2)
 A_{ht} = top horizontal surface area of conductor (m^2)
 A_{hb} = bottom horizontal surface area of conductor (m^2)
 T_a = ambient temperature (K)
 T_c = conductor operating temperature (K)

Calculating heat dissipation via radiation

- $Q_{rad} = \sigma \times e (T_c^4 - T_a^4) \times A$
 σ = Stefan – Boltzmann Constant = $5.6073 \times 10^{-8} (\frac{W}{m^2K})$
 e = emissivity (material property)
- T_c = conductor operating temperature (K)
 T_a = ambient temperature (K)
 A = surface area of conductor (m^2)

Calculating ampacity

- $E_{in} = E_{out}$
- $I^2 \times R = Q_{rad} + Q_{conv}$
 $I^2 = \frac{Q_{rad} + Q_{conv}}{R}$
- $I = \sqrt{\frac{\sigma \times e (T_c^4 - T_a^4) \times A + [h_v * A_v * (T_c - T_a)] + [h_{ht} * A_{ht} * (T_c - T_a)] + [h_{hb} * A_{hb} * (T_c - T_a)]}{\frac{\rho L}{A_c}}}$

Where:

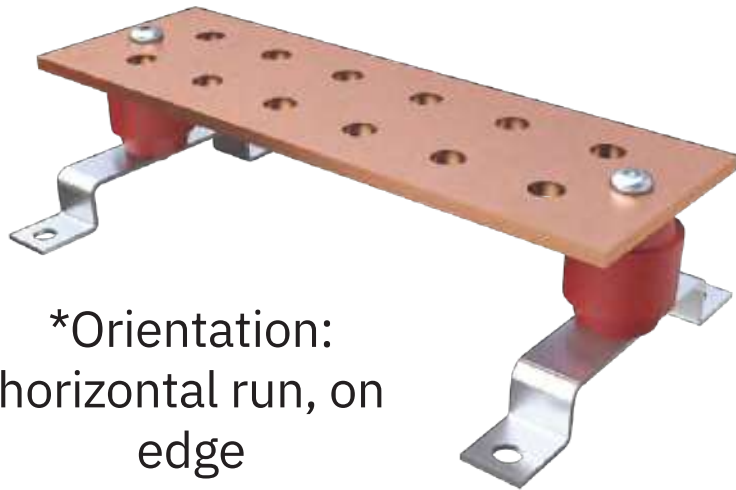
- σ = Stefan – Boltzmann Constant = 5.6073×10^{-8}
 - ρ = resistivity (70°C operating temp.) = 2.0524×10^{-8} ohm (m)
 - L = length of conductor = 0.3048 m
 - A_c = cross section area of the conductor = 0.00064516 m^2
 - H_v = vertical convection coefficient of conductor = 5.5262
 - H_{ht} = horizontal convection coefficient of top surface of free air = 0
 - H_{bt} = horizontal convection coefficient of bottom surface of free air = 0
- A_v = vertical surface area = 0.063266 m^2
 - A_{ht} = horizontal surface area of top surface of conductor = 0.001935 m^2
 - A_{bt} = horizontal surface area of bottom surface of conductor = 0.001935 m^2
 - T_{amb} = ambient temperature = 313.15 (K)
 - T_{cond} = conductor temperature = 343.15 (K)
 - e = emissivity = 0.4
 - A = surface are of conductor = 0.067097 m^2

***For this example bar size and application, H_{ht} and H_{hb} are both 0 due to small surface area.**

$$I = \sqrt{\frac{(5.6703 \times 10^{-8} \times 0.4 (343.15^4 - 313.15^4) \times 0.0670966) + [5.5262 * 0.063226 * (30)] + [0 * 0.001935 * (30)] + [0 * 0.001935 * (30)]}{\frac{(2.0524 \times 10^{-8}) \times 0.3048}{0.000645516}}}$$

$$I = \sqrt{\frac{(6.4666) + [10.4820]}{9.6966 \times 10^{-6}}}$$

$$I = 1,322.08$$



*Orientation:
horizontal run, on
edge

Description:

Nav-Tech metering enclosures are engineered for accurate, code-compliant measurement of electrical service in residential, commercial, and utility applications. Available in self-contained and CT-rated configurations — from 125A ring-type and 320A lever-bypass meter sockets to pre-wired 30A units — these NEMA 3R enclosures support overhead or underground cable entry. Rugged powder-coated galvanized steel construction, utility approvals, and compliance with UL standards make them suitable for a wide range of metering installations.

Contents:

Ring Type 5 Jaw Meter Sockets
Lever Bypass Self Contained Meter Sockets
Pre-Wired 30 Amp Meter Sockets



125 Amp Ring Type 5 Jaw Meter Sockets



Specifications	
Phase	1
Frequency	60Hz
Voltage Rating	600VAC
Amperage Rating	125A; 100A Cont.
Construction Type	NEMA 3R
Size	12-1/8" x 8-5/8" x 4-1/2"
Cable Entry	Overhead or Underground
Terminal Type	Lug Type
Insulation Block	Polymer Based
Enclosure Material	ANSI-61 Powder Coated G90 16 GA Galvanized Steel
Jaw Type	5 Jaw
Bypass	No Bypass
Meter Type	Ring Type
Mounting Style	Surface Mount
Line Wire Range	6AWG - 350 kcmil
Load Wire Range	6AWG - 350 kcmil
Part Number	MS-1G-100

Features

- 100 amp continuous demand rating.
- Approved for overhead/underground cable entry.
- UL Listed outdoor enclosure construction (NEMA 3R).
- Horn bypass available as an additional kit item.
- Con Edison approved.



100 Amp Lever Bypass Self Contained Meter Sockets



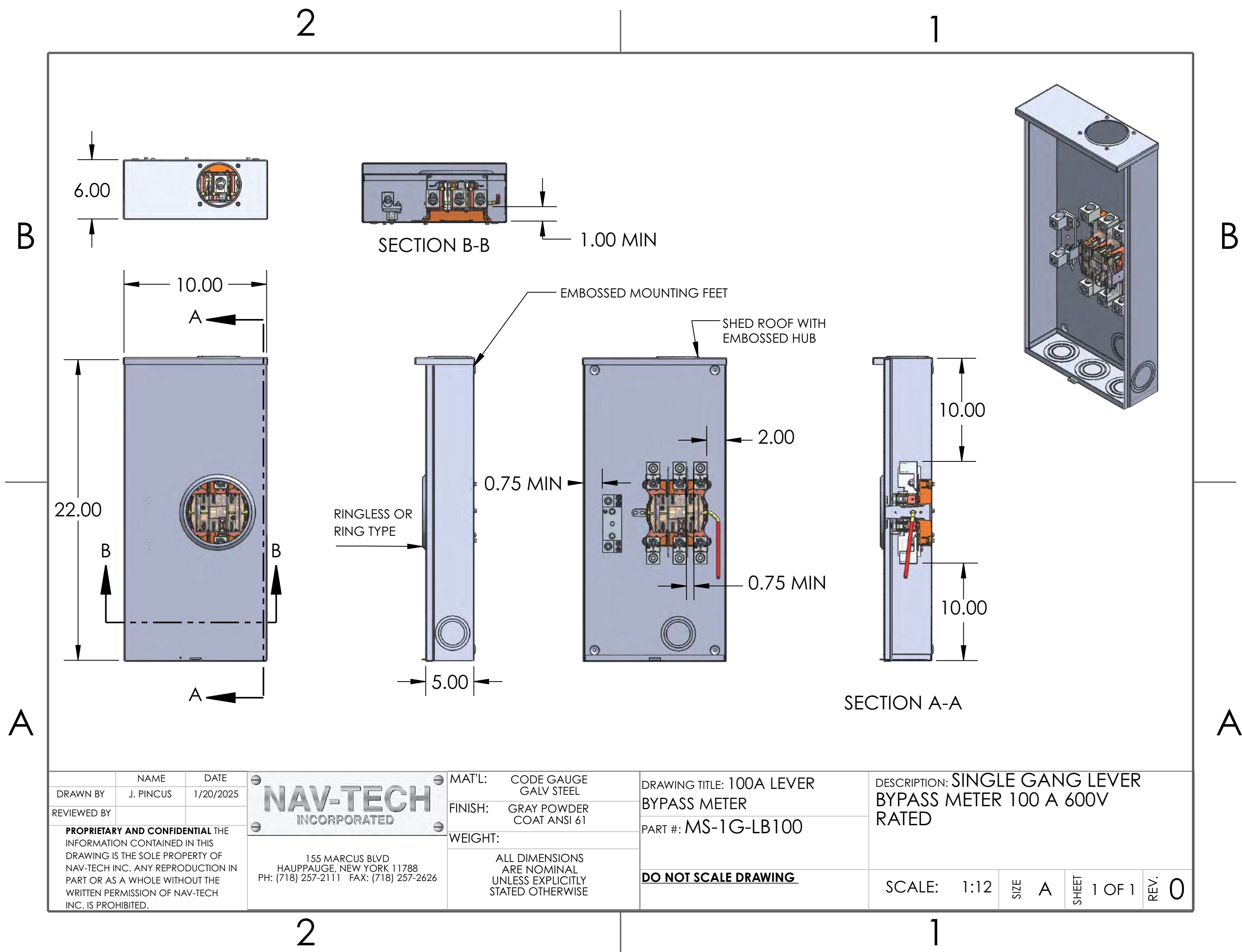
Specifications	
Phase	1, 3
Frequency	60Hz
Voltage Rating	600VAC
Amperage Rating	100A
Construction Type	NEMA 3R
Size	22" x 10" x 5"
Cable Entry	Overhead or Underground
Terminal Type	Lug Type
Insulation Block	Polymer Based
Enclosure Material	ANSI-61 Powder Coated G90 16 GA Galvanized Steel
Jaw Type	4, 5, 7 Jaw
Bypass	No Bypass
Meter Type	Ring or Ringless Type
Mounting Style	Surface Mount
Wire Range	6 - 2/0AWG

Features

- 100 Amp Continuous Demand Rating.
- Approved for OVERHEAD /UNDERGROUND Cable Entry.
- UL Listed Outdoor Enclosure Construction (NEMA 3R).



100 Amp Lever Bypass Self Contained Meter Sockets



200 Amp Lever Bypass Self Contained Meter Sockets



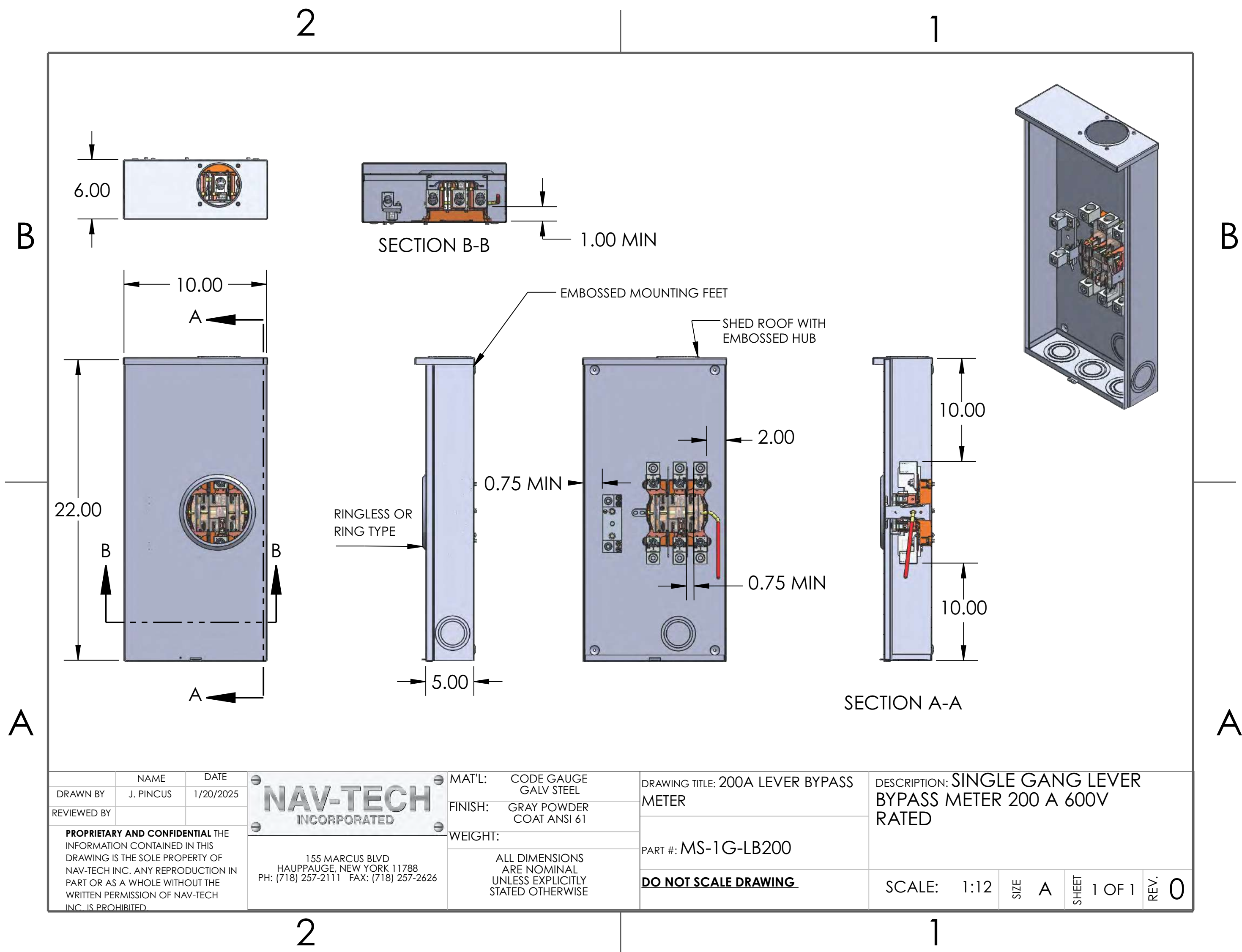
Specifications	
Phase	1, 3
Frequency	60Hz
Voltage Rating	600VAC
Amperage Rating	200A
Construction Type	NEMA 3R
Size	22" x 10" x 5"
Cable Entry	Overhead or Underground
Terminal Type	Lug Type
Insulation Block	Polymer Based
Enclosure Material	ANSI-61 Powder Coated G90 16 GA Galvanized Steel
Jaw Type	4, 5, 7 Jaw
Bypass	Lever Bypass
Meter Type	Ring or Ringless Type
Mounting Style	Surface Mount
Wire Range	6AWG - 350kcmil

Features

- 200 Amp Continuous Demand Rating.
- Approved for OVERHEAD /UNDERGROUND Cable Entry.
- UL Listed Outdoor Enclosure Construction (NEMA 3R).



200 Amp Lever Bypass Self Contained Meter Sockets



320 Amp Lever Bypass Self Contained Meter Sockets



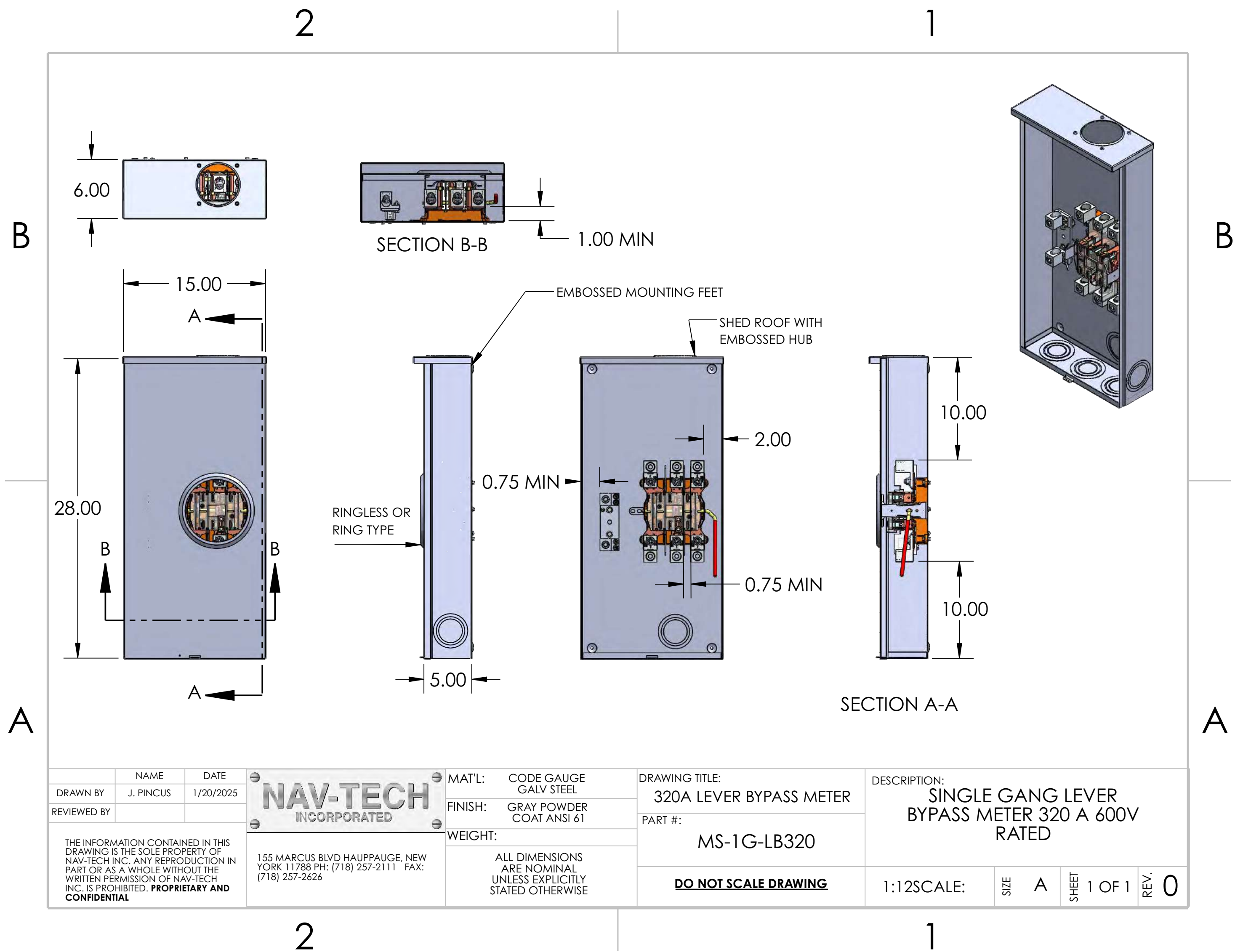
Specifications	
Phase	1, 3
Frequency	60Hz
Voltage Rating	600VAC
Amperage Rating	320A
Construction Type	NEMA 3R
Size	34" x 15" x 5"
Cable Entry	Overhead or Underground
Terminal Type	Lug Type
Insulation Block	Polymer Based
Enclosure Material	ANSI-61 Powder Coated G90 16 GA Galvanized Steel
Jaw Type	4, 5, 7 Jaw
Bypass	Lever Bypass
Meter Type	Ring or Ringless Type
Mounting Style	Surface Mount
Wire Range	250 MCM-600 MCM

Features

- 320 amp continuous demand rating.
- Approved for overhead / underground cable entry.
- UL Listed outdoor enclosure construction (NEMA 3R).



320 Amp Lever Bypass Self Contained Meter Sockets





Features

- Roof hub opening available by request. Hub cover plate and hubs available.
- ANSI 61 powder coated galvanized steel, aluminum or stainless steel options.
- UL Listed.
- Ring or ringless meter opening.
- Solid or stranded #12 or #10 wire.
- Test switch mounting pedestals; (custom heights available 1" or shorter).
- Test switch handle colors available (handles can have split colors to match wire).
- Custom test switch pole arrangements.
- Test switches can be standard copper, or tin plated.
- Clear lexan or black fiberglass test switch covers available.
- Standard utility sealable options.
- 1 or 2 piece front cover.
- Utility specific wire harnesses.
- Arc barrier available.

Product Selection

Territory	Part Number	Wiring	Amperage (A)	Voltage (V)	Phase (Ø)
Con Ed	NAV-CE-MS10P-208-3	Prewired	30	250	3
Con Ed	NAV-CE-MS10P-480-3	Prewired	30	480	3
Con Ed	NAV-CE-MS7P-208-1	Prewired	30	250	1
Con Ed	NAV-CE-MS7P-240-1	Prewired	30	250	1
Con Ed	NAV-CE-MS7P-480-1	Prewired	30	480	1
Orange & Rockland	NAV-OR-MS10P-208-3	Prewired	30	250	3
Orange & Rockland	NAV-OR-MS10P-480-3	Prewired	30	480	3
Orange & Rockland	NAV-OR-MS7P-208-1	Prewired	30	250	1
PSEG LI	NAV-PG-MS10P-208-3	Prewired	30	600	3
PSEG LI	NAV-PG-MS7P-208-1	Prewired	30	600	1
Central Hudson	NAV-CH-MS10P-3	Unwired	30	600	3
Central Hudson	NAV-CH-MS7P-1	Unwired	30	600	1
Duquesne	NAV-DQ-MS10P-3	Prewired	30	600	3
Duquesne	NAV-DQ-MS7P-1	Prewired	30	600	1



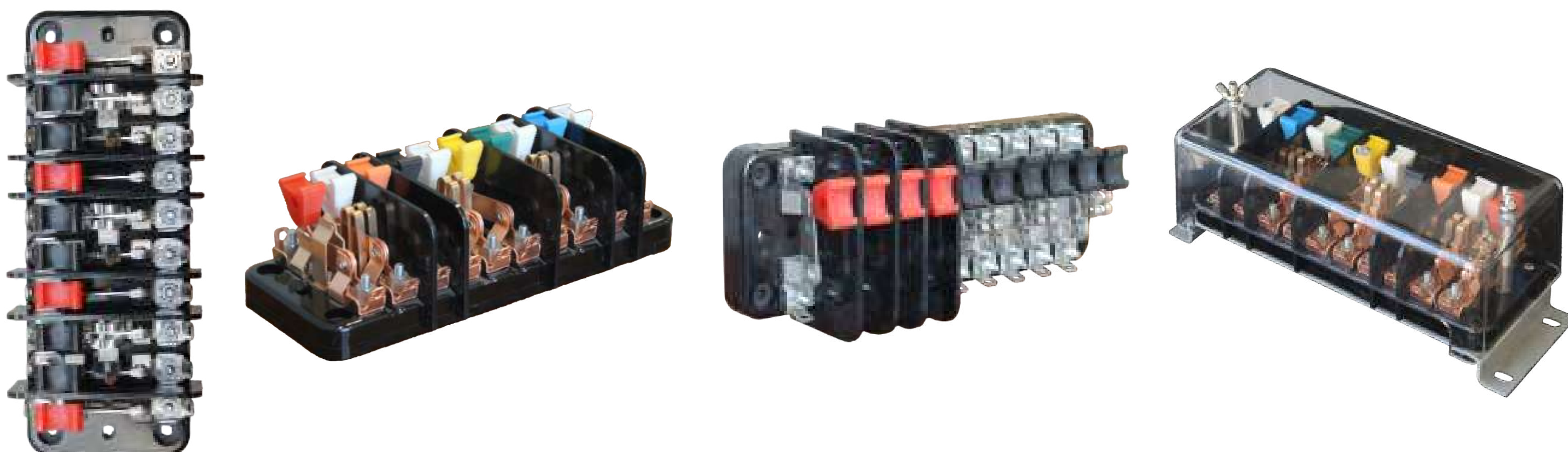
Description:

Nav-Tech test switches provide safe, reliable isolation and testing of current and potential circuits in utility and commercial metering applications. Built with high-conductivity copper current-carrying components and flame-retardant, fiberglass-reinforced thermoset polyester bases, they are available in 7-pole and 10-pole sizes with custom pole arrangements, color-coded handles, and permanently mounted polarity barriers. Clear impact-resistant covers and tin-plated or bare configurations deliver durability, flexibility, and compliance with UL and utility standards across a wide range of metering installations.

Contents:

- 7-Pole & 10-Pole Bases
- Custom Pole Arrangements
- Color-Coded Handle Options
- Test Switch Covers
- Test Switch Worksheet





Features

- **Handle Color Options:**
 - Many non-standard color options are available. Standard colors are black for current and red for potential. Handle material is polypropylene. Custom configurations available.
- **Current-Carrying Components:**
 - Made from highly conductive copper and copper alloys.
 - Ensures optimal conductivity and corrosion resistance.
 - Spring-grade materials used where appropriate.
 - Plating or bare configuration available.
 - Engineered to prevent overheating and maintain secure contact.
- **45° Stops:**
 - 90° pivots on 45° stops are standard. Where necessary, 180° pivots are available.
- **Test Switch Base:**
 - Constructed from high-strength, standard black colored fiberglass-reinforced thermoset polyester.
 - Flame-retardant.
 - Available in 7-pole and 10-pole sizes.
- **Polarity Barrier:**
 - Circuits are equipped with permanently mounted, high-tensile polycarbonate barriers.
 - Designed for maximum protection and insulation between terminals.
- **Test Switch Covers:**
 - Made from impact-resistant, clear thermal plastic with excellent moisture resistance.
 - Ordering options:
 - Factory-installed.
 - Field-installed: Order TSB-CVR separately.
 - Compatible with low mount test bridges only.



*Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility, and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations.

Customer Name:_____ Phone / Email_____

Address:_____

Handle Color Key	
R	Red
O	Orange
Y	Yellow
G	Green
BLU	Blue
P	Purple
BRN	Brown
GRY	Gray
BLK	Black
-W-	White Stripe
-BLK-	Black Stripe

Switch Configuration Key	
V	Potential switch
C+	Line side current switch with short circuit assembly
C	Load side current switch with test jack assembly
N	Neutral bar (no switch)
Vn	Neutral potential switch
X	Unused position on base
	Insulating barrier, isolates both sides of a switch

Test Switch Base:

Molded from reinforced fiberglass, thermoset polyester. The base is NEMA approved, track-resistant, flame-retardant and has low water absorption qualities.

Custom Pole Arrangements: The following empty chart can be used to create your own specific pole arrangement. Please specify base type and whether all C+ line side, current switch/shunt circuit assemblies are desired to be bussed together. The catalog numbers shown are connected in line-load pairs. If bussing is required, different catalog numbers will apply.

Pole Position:

Catalog #	1	2	3	4	5	6	7	8	9	10

Special Features:

Feature	Catalog #	1	2	3	4	5	6	7	8	9	10
45° Angle Stops											
Ganged Handles											
Bussing											
Colored Handles											

Engineering information:_____

Number of Poles [4 or 7 or 10]:_____ Test Switch Cover [Yes or No]:_____ Base Size [7 or 10]:_____

*Please consult serving utility for their requirements prior to ordering or installing, as specifications and approvals vary by utility, and may require local electrical inspector approval. All installations must be installed by a licensed electrician and must comply with all national and local codes, laws and regulations.



Description:

Nav-Tech CT cabinets and service equipment are designed for utility-approved metering and service entrance applications. Available in indoor and outdoor configurations, these cabinets offer durable construction, flexibility, and compliance with UL and utility standards for high-capacity electrical installations.

Contents:

Furnished CT Cabinets

Unfurnished CT Cabinets

Duquesne Light Co. CT Cabinets

NYSEG CT Cabinets

PECO

Pepco

PPL

National Grid

RG&E

Con Ed CT Cabinets & Service Entrance Boxes



Features

- Indoor NEMA 1 & Outdoor NEMA 3R construction available.
- Industry standard ANSI 61 baked enamel powder coat finish.
- Hinged doors & screw cover doors available (subject to utility requirements).
- Bar style & window style cabinets.
- 600 MCM line/load lugs come standard on CT Cabinets. Larger or smaller lugs available upon request.
- Constructed from 16GA to 12GA material depending on territory requirements.
- Silver flashed & bare copper bus available in 2" to 6" widths.
- Zinc plated hardware is standard, stainless steel hardware available by request.
- Padlockable handle with 3pt catch standard for CT compartment.
- All Cabinets are UL Listed.
- For a list of utility approved cabinets, see Nav-Tech Catalog.
- For specs of individual utility cabinets, consult Nav-Tech.

Approved Territories

- Con Edison
- Orange & Rockland Electric
- Duquesne Light Co.
- PSEG New Jersey
- Peco
- Duke Energy



Features

- Enclosure body and cover constructed of galvanized steel according to utility requirements.
- Available gasketed front cover with provisions to hold doors open.
- Lift-off hinges for removable doors or lift-off single covers.
- No factory pre-fabbed knockouts.
- Indoor NEMA 1 & Outdoor NEMA 3R construction available.
- Industry standard ANSI 61 baked enamel powder coat finish.
- Hinged doors & screw cover doors available (subject to utility requirements).
- All cabinets are UL Listed.
- For a list of utility approved cabinets, see Nav-Tech Catalog.
- For specs of individual utility cabinets, consult Nav-Tech.



Approved Territories

- Con Edison
- Orange & Rockland Electric
- Duquesne Light Co.
- PSEG New Jersey
- Peco
- Duke Energy





Features

- Enclosure body and cover constructed of galvanized steel.
 - ANSI 61 gray polyester powder paint finish inside and out.
 - Double door with 3-pt latch and padlockable handle.
 - UL Listed.
- NEMA 3R outdoor shed roof construction preventing rain water ingress.
 - Gasketed front cover with provisions to hold doors open.
 - Lift-off hinges for removable doors.
 - No knockouts.

Product Selection

Part Number	H x W x D (Inches)	Max # of Conductors per Phase	Conductor Service Size (KCM)	Installation Type	Installation Voltage (VAC)
NAV-DLC-CTR-243210	24 x 32 x 10	1	350 or Less	3-Phase 3-Wire	460
		1	750 or Less		230
		2	500 or Less	3-Phase 4-Wire	120/108
		1	500 or Less		
		2	500 or Less	1-Phase	120/240
NAV-DLC-CTR-244212	24 x 42 x 12	1	750 or Less	3-Phase 4-Wire	277/480
		2	500 or Less		120/208
		2	750 or Less		
		3	500 or Less	1-Phase	120/240
		3	600 to 750		
		4	500 or Less		
NAV-DLC-CTR-386018	38 x 60 x 18	4	750 or Less	3-Phase 4-Wire	120/208
					277/480





Features

- Enclosure body and cover constructed of 14-16GA galvanized steel.
- ANSI 61 gray polyester powder paint finish inside and out.
- Padlockable hinged door.
- Gasketed front cover.
- NEMA 3R outdoor shed roof construction preventing rain water ingress.
- Lift-off hinges for removable doors.
- No knockouts.
- UL Listed

Product Selection

Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (MAX VAC)	MAX Sets Line/Load
NAV-NY-CTR-8	30 x 30 x 12	400-800	3-Phase 4-Wire	600	(2) 600 MCM or (4) 250 MCM
NAV-NY-CTR-12	48 x 36 x 12	1200	3-Phase 4-Wire	800	600 MCM





Features

- Enclosure body and cover constructed of 14GA galvanized steel.
- ANSI 61 gray polyester powder paint finish inside and out.
- Double door with 3-pt latch and non-keyed padlockable handle.
- UL Listed.
- NEMA 3R outdoor shed roof construction preventing rain water ingress.
- Gasketed front cover with provisions to hold doors open.
- Lift-off hinges for removable doors with tamperproof hardware.
- No knockouts.

Product Selection

	Part Number	H x W x D (Inches)	Installation Voltage (VAC)	Max # of Conductors per Phase	Conductor Service Size (KCM)	Installation Type
Indoor	NAV-PECO-CT-241810	24 x 18 x 10	250 MAX	3	350	1-Phase 3-Wire
	NAV-PECO-CT-322410	32 x 24 x 10	250 MAX	3	500	1-Phase 3-Wire
				5	400	2-Phase 5-Wire
				3	500	3-Phase 3-Wire
	NAV-PECO-CT-323210	32 x 32 x 10	250 MAX	3	500	3-Phase 4-Wire Delta
				4	400	3-Phase 4-Wire WYE
	NAV-PECO-CT-423210	42 x 32 x 10	250 MAX	4	750	3-Phase 4-Wire WYE
				5	750	2-Phase 5-Wire
	NAV-PECO-CT-544212	54 x 42 x 12	600 MAX	4	750	3-Phase 4-Wire WYE or Delta
Outdoor	NAV-PECO-CTR-241815	24 x 18 x 15	250 MAX	3	350	1-Phase 3-Wire
	NAV-PECO- CTR-322415	32 x 24 x 15	250 MAX	3	500	1-Phase 3-Wire
				5	400	2-Phase 5-Wire
				3	500	3-Phase 3-Wire
	NAV-PECO- CTR-323215	32 x 32 x 15	250 MAX	3	500	3-Phase 4-Wire Delta
				4	400	3-Phase 4-Wire WYE
	NAV-PECO- CTR-423215	42 x 32 x 15	250 MAX	4	750	3-Phase 4-Wire WYE
				5	750	2-Phase 5-Wire
	NAV-PECO- CTR-544215	54 x 42 x 15	600 MAX	4	750	3-Phase 4 Wire WYE or Delta





Features

- Enclosure body and cover constructed of 14GA galvanized steel.
- ANSI 61 gray polyester powder paint finish inside and out.
- Double door with 3-pt latch and padlockable handle.
- NEMA 3R outdoor shed roof construction preventing rain water ingress.
- Gasketed front cover with provisions to hold doors open.
- Lift-off hinges for removable doors.
- No knockouts.
- UL Listed

Product Selection

	Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (VAC)
Outdoor	NAV-PEP-CTR-12	32 x 42 x 15	1200	3-Phase 4-Wire	600
				1-Phase 3-Wire	
	NAV-PEP-CTR-20	36 x 42 x 15	2000	3-Phase 4-Wire	600
				1-Phase 3-Wire	





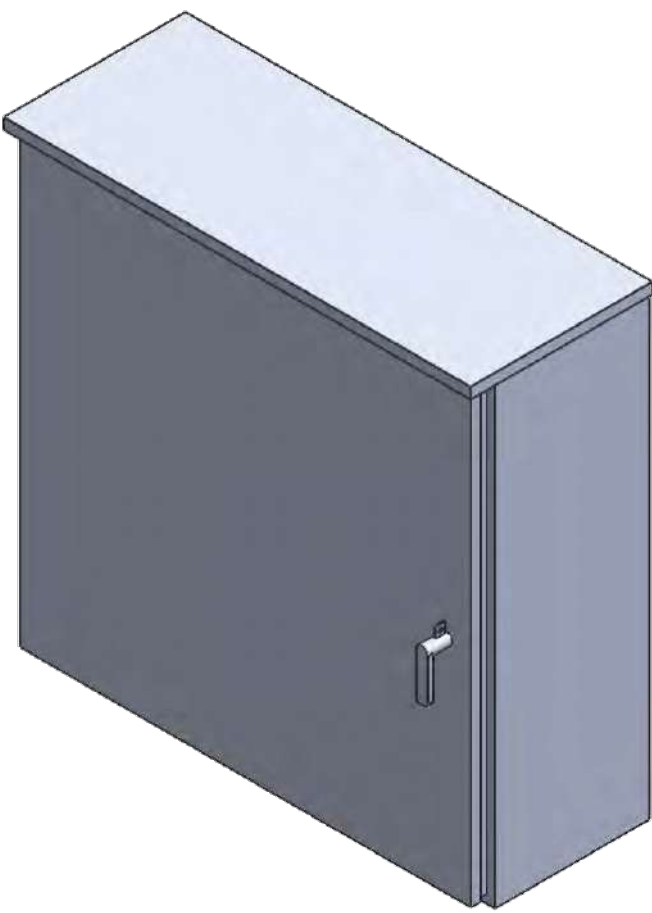
Features

- Enclosure body and cover constructed of 14GA galvanized steel.
- ANSI 61 gray polyester powder paint finish inside and out.
- Double door with 3-pt latch and padlockable handle.
- NEMA 3R outdoor shed roof construction preventing rain water ingress.
- Gasketed front cover with provisions to hold doors open.
- Lift-off hinges for removable doors.
- No knockouts.
- UL Listed.

Product Selection

	Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (VAC)
Indoor	NAV-PPL-CT12	48 x 48 x 12	1200	3-Phase 4-Wire	600
				1-Phase 3-Wire	
	NAV-PPL-CT20	72 x 48 x 12	2000	3-Phase 4-Wire	250
Outdoor	NAV-PPL-CTR12	48 x 48 x 12	1200	3-Phase 4-Wire	600
				1-Phase 3-Wire	
	NAV-PPL-CTR20	72 x 48 x 12	2000	3-Phase 4-Wire	250





Features

- Enclosure body and cover constructed of galvanized steel.
- ANSI 61 gray polyester powder paint finish inside and out.
- Double door configuration with 3-pt latch and padlockable handle.
- Single door configuration screw fastened with padlockable handle.
- Grounding stud for equipment grounding.
- NEMA 3R Outdoor Shed roof Construction preventing rain water ingress.
- Gasketed Front Cover With provisions to hold doors open.
- Lift-off hinges factory installed.
- No knockouts.
- Galvanized steel backplate factory installed.
- UL Listed.

Product Selection

	Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (VAC)
Single Hinged Door	NAV-NG-CTR-8	36 x 36 x 10	400	1-Phase 3-Wire	250
			800	3-Phase 4-Wire	600
Double Hinged Door	NAV-NG-CTR8-FD	36 x 47 x 10	400	1-Phase 3-Wire	250
			800	3-Phase 4-Wire	600





Features

- Enclosure body and cover constructed of 14-16GA galvanized steel.
- ANSI 61 gray polyester powder paint finish inside and out.
- Padlockable hinged door.
- NEMA 3R outdoor shed roof construction preventing rain water ingress.
- Gasketed front cover.
- Lift-off hinges for removable doors.
- No knockouts.
- UL Listed

Product Selection

Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (MAX VAC)	MAX Sets Line/Load
NAV-NY-CTR-8	30 x 30 x 12	400-800	3-Phase 4-Wire	600	(2) 600 MCM or (4) 250 MCM
NAV-NY-CTR-12	48 x 36 x 12	1200	3-Phase 4-Wire	800	600 MCM



Con Edison CT Cabinets and Service Entrance Boxes

Features

- CT Cabinets rated up to 4,000 amps.
- Entrance boxes rated up to 8800 amps.
- 250V & 480V applications.
- Utility sealable.
- Furnished with copper detail above 400A.
- Custom sizes & configurations available.
- Indoor & outdoor configurations.
- UL 50, UL 891 compliant, Con Edison approved.
- Galvanized sheet steel powder coated wrinkle gray.
- Larger lugs or additional sets in/out available by request.



Outdoor versions available*

	Catalog Number	Con Ed Spec	Line Sets	Load Sets	Amperage (A)	Voltage (V)	H x W x D (Inches)
Service Entrance Boxes	N-205	205	1 (2/0)	2 (2/0)	100	250 MAX	10 x 10 x 5
	N-215	215	1 (4/0)	2 (4/0)	200	250 MAX	24 x 12 x 8
	N-220	220	1 (2/0)	1 (3/0)	200	250 MAX	12 x 12 x 8
	N-484	484	1 (500 MCM)	2 (500 MCM)	400	250 MAX	30 x 18 x 12
	NAV-EO-48-9525B	9525B	1 (600 MCM)	2 (600 MCM)	400	250 MAX	48 x 24 x 16
	NAV-EO-54-9525B	9525B	1 (600 MCM)	3 (600 MCM)	800	250 MAX	54 x 24 x 16
	NAV-EO-68-9072B	9072B	2 (600 MCM)	5 (600 MCM)	2000	250 MAX	68 x 26 x 18
	NAV-EO-78-9073B	9073B	6 (600 MCM)	7 (600 MCM)	2800	250 MAX	78 x 40 x 18
	NAV-EO-84-9073B	9073B	10 (600 MCM)	14 (600 MCM)	5600	250 MAX	84 x 40 x 30
	NAV-EO-92-9073B	9073B	10+ (600 MCM)	16+ (600 MCM)	8800	250 MAX	92 x 48 x 30
	348210	348210	2 (600 MCM)	7 (600 MCM)	2800	480 MAX	72 x 48 x 30
CT Cabinets	348211	348211	10+ (600 MCM)	16+ (600 MCM)	8800	480 MAX	96 x 48 x 30
	CT-36	142	2 (500 MCM)	2 (500 MCM)	400	240/480	27 x 36 x 10
	CT-44	142	2 (500 MCM)	2 (500 MCM)	400	240/480	27 x 44 x 10
	NAV-298-CT-800	298	2 (600 MCM)	2 (600 MCM)	800	240/480	72 x 36 x 12
	NAV-298-CT-1200	298	3 (600 MCM)	3 (600 MCM)	1200	240/480	72 x 36 x 12
	NAV-298-CT-1600	298	4 (600 MCM)	4 (600 MCM)	1600	240/480	72 x 36 x 12
	NAV-377CT-2000	377	5 (600 MCM)	5 (600 MCM)	2000	240/480	90 x 50 x 20
	NAV-377CT-2500	377	6 (600 MCM)	6 (600 MCM)	2500	240/480	90 x 50 x 20
	NAV-377CT-3000	377	8 (600 MCM)	8 (600 MCM)	3000	240/480	90 x 50 x 20
	NAV-377CT-4000	377	10 (600 MCM)	10 (600 MCM)	4000	240/480	90 x 50 x 20



Description:

Nav-Tech utility service packages combine CT cabinets, meter enclosures, and where required, fused disconnects into complete, utility-specific service solutions. Available for Eversource, PSEG NJ, JCP&L, FPL, Duke Energy, and National Grid territories, these packages range from 200A to 4000A at up to 600VAC, with bar- or window-style CTs in 14GA or 16GA galvanized steel NEMA 3R construction. Ringless meter openings, utility-specific test switch pole arrangements and wire harnesses, ANSI 61 powder-coat finish, and standard arc barriers deliver durability, flexibility, and UL 414 and UL Standard 90 compliance across a wide range of utility-approved installations.

Contents:

Eversource Commercial Utility Service Package
New Jersey Service Utility Packages – PSEG NJ & JCP&L
FPL Commercial Utility Service Package
Duke Commercial Utility Service Package
National Grid Utility Packages





Features (Cabinets)

- Box and cover NEMA 3R construction - galvanized sheet steel (16GA).
- Finish: Powdercoat gray enamel.
- Manufacturer name plate included.
- CT mounting backplates & hardware included.
- Embossed holes in rear for mounting cabinet.
- N-150 bonded grounding lug.
- *Cover type either hinge or lift-off.

Features (Meters)

- ANSI 61 powder coated galvanized steel, aluminum or stainless steel options.
- UL Listed.
- Ringless type meter opening.
- Duke utility specific test switch pole arrangements.
- Clear lexan or black fiberglass test switch covers available.
- Standard utility sealable options.
- 1 piece front cover.
- Duke utility specific wire harnesses.
- Arc barrier standard.

Product Selection

	Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (MAX VAC)	Max Conductors Per Phase	Material / Construction	*Cover Type
CT Cabinets	NAV-DE-CTR-6	34 x 32 x 12	600	1 or 3 - Phase 4-Wire	600	See Duke Energy regional service requirements	14GA Galv Steel NEMA 3R	Lift-Off Screw Cover w/ Sealing Latch
	NAV-DE-CTR-12	40 x 40 x 14	1200	1 or 3 - Phase 4-Wire	600	See Duke Energy regional service requirements	14GA Galv Steel NEMA 3R	Padlockable French Door w/ 3-Pt Catch

	Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (MAX VAC)
Meters	NAV-DECM-MS10P-3	20 x 12.25 x 5	30	3-Phase 4-Wire	600
	NAV-DECM-MS10P-1	21 x 14.25 x 5	30	1-Phase 3-Wire	600





Features (Cabinets)

- Box and cover NEMA 3R construction - galvanized sheet steel (14GA).
- Finish: Powdercoat gray enamel.
- UL 414 listed.
- Bus bars - copper 98% conductivity.
- Box shall have name plate with manufacturers.
- 800A or 1200A, 600VAC MAX 3ø 4W - rated for 50kA SCCR.
- Grade 5 hardware.
- Wire connection torque: 500 in-lb.
- CT landing bolt torque: 660 in-lb.
- 2000A-4000A rated at 100kA SCCR.

Features (Meters)

- ANSI 61 powder coated galvanized steel, aluminum or stainless steel options.
- UL Listed.
- Ringless type meter opening.
- Eversource utility specific test switch pole arrangements.
- Clear lexan or black fiberglass test switch covers available.
- Standard utility sealable options.
- 1 piece front cover.
- Eversource utility specific wire harnesses.
- Arc barrier standard.

Product Selection

	Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (MAX VAC)	MAX Sets Line/Load
CT Cabinets	NAV-ES-CTR-8	36 x 47 x 10	800	3-Phase 4-Wire	600	(2) 600 MCM or (4) 250 MCM
				1-Phase 3-Wire		
	NAV-ES-CTR-12	48 x 48 x 12	1200	3-Phase 4-Wire	600	600 MCM
	NAV-ES-CTR-20	60 x 40 x 20	2000	3-Phase 4-Wire	600	600 MCM
	NAV-ES-CTR-30	68 x 40 x 20	3000	3-Phase 4-Wire	600	600 MCM
	NAV-ES-CTR-40	68 x 40 x 20	4000	3-Phase 4-Wire	600	600 MCM
Meters	NAV-ES-MS10P-3	21 x 14.25 x 5	30	3-Phase 4-Wire	600	
	NAV-ES-MS7P-1	21 x 14.25 x 5	30	1-Phase 3-Wire	600	





Features (Cabinets)

- Box and cover NEMA 3R construction - galvanized sheet steel (14GA).
- Finish: Powdercoat gray enamel.
- UL 414 listed.
- Manufacturer name plate included.
- 800A or 1200A, 600VAC MAX 3ø 4W - rated for 50kA SCCR.
- Grade 5 hardware.
- Wire connection torque: 500 in-lb.
- CT landing bolt torque: 660 in-lb.

Features (Meters)

- ANSI 61 powder coated galvanized steel, aluminum or stainless steel options.
- UL Listed.
- Ringless type meter opening.
- FPLC utility specific test switch pole arrangements.
- Clear lexan or black fiberglass test switch covers available.
- Standard utility sealable options.
- 1 piece front cover.
- FPLC utility specific wire harnesses.
- Arc barrier standard.

Product Selection

CT Cabinets	Part Number	H x W x D (Inches)	Installation Type	Installation Voltage (MAX VAC)	Max Conductors Per Phase	Material / Construction
	NAV-FPL-CTR-343212	34 x 32 x 12	3-Phase 4-Wire	600	2 Sets 600 MCM	14GA Galv Steel NEMA 3R
	NAV-FPL-CTR-463015	46 x 30 x 15	3-Phase 4-Wire	600	4 Sets 600 MCM	14GA Galv Steel NEMA 3R
	NAV-FPL-CTR-544215	54 x 42 x 15	3-Phase 4-Wire	600	4 Sets 600 MCM	14GA Galv Steel NEMA 3R
	NAV-FPL-CTR-XL	46 x 30 x 16 (MIN dimensions)	3-Phase 4-Wire	600	As Required	14GA Galv Steel NEMA 3R

Meters	Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (MAX VAC)
	NAV-FPL-MS10P-3	20 x 12.25 x 5	30	3-Phase 4-Wire	600
	NAV-FPL-MS7P-1	21 x 14.25 x 5	30	1-Phase 3-Wire	600





Features (Cabinets)

- Powder coated NEMA 3R construction with code gauge steel.
- Rated 200A up to 4000A, 600V MAX.
- Furnished & unfurnished configurations with mounted studs.
- Stainless steel hardware.
- Bar style and window style CT's.
- Bonded or isolated neutrals available.
- 600 MCM lugs standard. Larger lugs available by request.
- UL Listed.

Features (Disconnects)

- 200A-4000A MAX 600V disconnects available.
- Listed per UL Standard 90, enclosed and dead front switches.
- UL Service Entrance rated when installed in accordance with the National Electrical Code.
- General or heavy duty.
- Padlockable in off position.
- Underground and overhead exit/entry provisions.
- Neutral to ground bonding kit included standard.
- Line side top configuration standard, line bottom configuration available by request.
- Disconnect switches are fused.
- Viewing window for solar disconnects available by request.

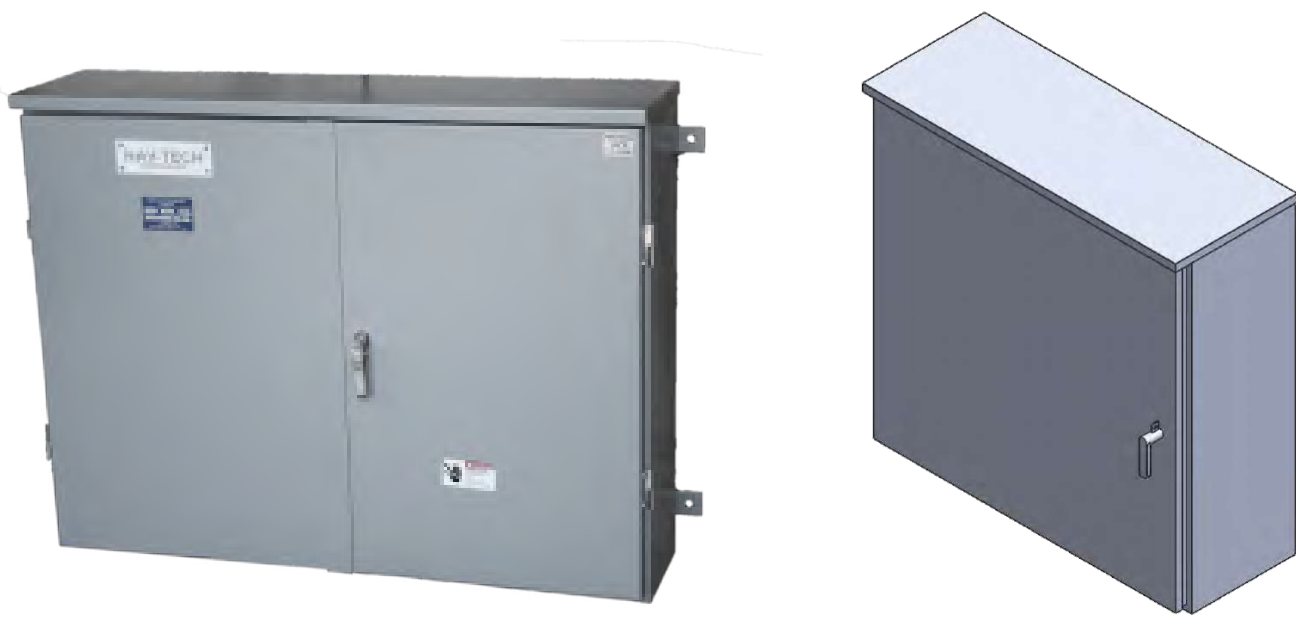
Product Selection (Disconnects)

Part Number	Amperage (A)	Voltage (V)	Phase/Wires	Type	H x W x D (Inches)	Fuse Type
NAV-SS 200-3-F	200	250 MAX	3PH/4W	Indoor	31-1/4 x 13 x 7	(H) or (K)
NAV-SS 200-3-F-R	200	250 MAX	3PH/4W	Outdoor	31-1/4 x 13 x 7	(H) or (K)
NAV-SS 400-3-F	400	250 MAX	3PH/4W	Indoor	49.5 x 22 x 10-1/2	(H) or (K)
NAV-SS 400-3-F-R	400	250 MAX	3PH/4W	Outdoor	49.5 x 22 x 10-1/2	(H) or (K)
(Amps) BPS-T	400-4000	600 MAX	3PH/4W	Indoor	Variable	(J) or (L)
(Amps) BPS-B	400-4000	600 MAX	3PH/4W	Indoor	Variable	(J) or (L)
(Amps) BPS-T-3R	400-4000	600 MAX	3PH/4W	Outdoor	Variable	(J) or (L)
(Amps) BPS-B-3R	400-4000	600 MAX	3PH/4W	Outdoor	Variable	(J) or (L)

Product Selection (Cabinets)

		Part Number	Amperage (A)	Voltage (V)	Type	H x W x D (Inches)	CT Type
PSEG NJ		PNJ-CT4-800	800	600 MAX	Indoor	36 x 28 x 10	Bar
		PNJ-CT4-800R	800	600 MAX	Outdoor	36 x 28 x 10	Bar
		NAV-NJ-CT-(Amps)	801-4000	600 MAX	Indoor	60 x 40 x 20	Window
		NAV-NJ-CTR-(Amps)	801-4000	600 MAX	Outdoor	60 x 40 x 20	Window
JCP&L		NAV-FE-CT-8	800	600 MAX	Indoor	47 x 36 x 10	Window or Bar
		NAV-FE-CTR-8	800	600 MAX	Outdoor	47 x 36 x 10	Window or Bar
		NAV-FE-CT-(Amps)	801-2000	600 MAX	Indoor	60 x 40 x 20	Window
		NAV-FE-CTR-(Amps)	801-2000	600 MAX	Outdoor	60 x 40 x 20	Window
		NAV-FE-377CT-(Amps)	2001-4000	600 MAX	Indoor	90 x 50 x 20	Window
		NAV-FE-377CTR-(Amps)	2001-4000	600 MAX	Outdoor	90 x 50 x 20	Window





Features (Cabinets)

- Enclosure body and cover constructed of galvanized steel.
- ANSI 61 gray polyester powder paint finish inside and out.
- Double door configuration with 3-point latch and padlockable handle.
- Single door configuration screw fastened with padlockable handle.
- Grounding stud for equipment grounding.
- NEMA 3R outdoor Shed roof Construction preventing rain water ingress.
- Gasketed front cover With provisions to hold doors open.
- Lift-off hinges factory installed.
- No knockouts.
- Galvanized steel backplate factory installed.
- UL Listed.

Features (Disconnects)

- 200A-4000A MAX 600V disconnects available.
- Listed per UL Standard 90, enclosed and dead front switches.
- UL Service Entrance rated when installed in accordance with the National Electrical Code.
- General or heavy duty.
- Padlockable in off position.
- Underground and overhead exit/entry provisions.
- Neutral to ground bonding kit included standard.
- Line side top configuration standard, line bottom configuration available by request.
- Disconnect switches are fused.

Product Selection (Disconnects)

Part Number	Amperage (A)	Voltage (V)	Phase/Wires	Type	H x W x D (Inches)	Fuse Type
NAV-SS 200-3-F	200	250 MAX	3PH/4W	Indoor	31-1/4 x 13 x 7	(H) or (K)
NAV-SS 200-3-F-R	200	250 MAX	3PH/4W	Outdoor	31-1/4 x 13 x 7	(H) or (K)
NAV-SS 400-3-F	400	250 MAX	3PH/4W	Indoor	49.5 x 22 x 10-1/2	(H) or (K)
NAV-SS 400-3-F-R	400	250 MAX	3PH/4W	Outdoor	49.5 x 22 x 10-1/2	(H) or (K)
(Amps) BPS-T	400-4000	600 MAX	3PH/4W	Indoor	Variable	(J) or (L)
(Amps) BPS-B	400-4000	600 MAX	3PH/4W	Indoor	Variable	(J) or (L)
(Amps) BPS-T-3R	400-4000	600 MAX	3PH/4W	Outdoor	Variable	(J) or (L)
(Amps) BPS-B-3R	400-4000	600 MAX	3PH/4W	Outdoor	Variable	(J) or (L)

Product Selection (Cabinets)

	Part Number	H x W x D (Inches)	Amperage (A)	Installation Type	Installation Voltage (VAC)
Single Hinged Door	NAV-NG-CTR-8	36 x 36 x 10	400	1-Phase 3-Wire	250
			800	3-Phase 4-Wire	600
Double Hinged Door	NAV-NG-CTR8-FD	36 x 47 x 10	400	1-Phase 3-Wire	250
			800	3-Phase 4-Wire	600



CT Cabinet Features

- CT Cabinets rated up to 4,000 Amps.
- Entrance boxes rated up to 8800 Amps.
- 250V & 480V Applications.
- Utility sealable.
- Furnished with copper detail above 400A.
- custom sizes & configurations available.
- Indoor & outdoor configurations.
- UL 50, UL 891 compliant, PSEG LI approved.
- Galvanized sheet steel powder coated wrinkle gray.
- Larger lugs or additional sets in/out available by request.

Meter Pan Features

- Underground, side entry/exit.
- ANSI 61 Powder coated Galvanized steel, aluminum or Stainless Steel options.
- UL listed meter socket.
- Ringless meter opening.
- Stranded #12 wire.
- Standard Utility Sealable options.
- 1 piece front cover.
- Specific wire harnesses.
- PSEG Long Island.
- Exiting wire harness not included.



Outdoor versions available*

		Catalog Number	Line Sets	Load Sets	Amperage (A)	Voltage (V)	Dimensions (Inches)
Service Entrance Boxes		NAV-EO-48-9525B	1 (600 MCM)	2 (600 MCM)	400	250 MAX	48 x 24 x 16
		NAV-EO-54-9525B	1 (600 MCM)	3 (600 MCM)	800	250 MAX	54 x 24 x 16
		NAV-EO-68-9072B	2 (600 MCM)	5 (600 MCM)	2000	250 MAX	68 x 26 x 18
		NAV-EO-78-9073B	6 (600 MCM)	7 (600 MCM)	2800	250 MAX	78 x 40 x 18
		NAV-EO-84-9073B	10 (600 MCM)	14 (600 MCM)	5600	250 MAX	84 x 40 x 30
		NAV-EO-92-9073B	10+ (600 MCM)	16+ (600 MCM)	8800	250 MAX	92 x 48 x 30
CT Cabinets		NAV-PG-CT-12	4 (500 MCM)	4 (500 MCM)	1200	600 MAX	72 x 36 x 15
		NAV-PG-377CT-2000	5 (600 MCM)	5 (600 MCM)	2000	240/480	90 x 50 x 20
		NAV-PG-377CT-2500	6 (600 MCM)	6 (600 MCM)	2500	240/480	90 x 50 x 20
		NAV-PG-377CT-3000	8 (600 MCM)	8 (600 MCM)	3000	240/480	90 x 50 x 20
		NAV-PG-377CT-4000	10 (600 MCM)	10 (600 MCM)	4000	240/480	90 x 50 x 20

		Catalog Number	Phase	Wiring	Amperage (A)	Voltage (V)	Dimensions (Inches)
Meter Boxes		NAV-PG-MS7P-208-1	1	Prewired	30	600	21-1/4 x 14-1/2 x 5-3/8
		NAV-PG-MS10P-208-3	3	Prewired	30	600	21-1/4 x 14-1/2 x 5-3/8



Description:

Nav-Tech disconnect and transfer switches provide safe, code-compliant power isolation and source switching across a wide range of electrical systems. Fusible disconnects are offered in general-duty and heavy-duty configurations up to 4000A — UL Standard 90 listed, service-entrance rated, with silver-plated copper bus and ratings up to 200kA AIC. Automatic transfer switches (ATS) range from 60A to 1200A in open- or closed-transition designs, while UL 1008-listed manual transfer switches (MTS) offer lockable On/Off/Auxiliary operation. NEMA 1, NEMA 3R, and NEMA 4X enclosures deliver durability, flexibility, and compliance with UL standards across a wide range of applications.

Contents:

General Duty Disconnect Switches
Heavy Duty Fusible Disconnect Switches
Automatic Transfer Switches (ATS)
Manual Transfer Switches (MTS)





Features

- Designed for residential and light commercial applications where duty is not severe.
- Listed per UL Standard 90, Enclosed and Dead Front Switches.
- UL Service Entrance rated when installed in accordance with the National Electrical Code.
- Meets NEMA Enclosed Switch Standard KS1-1990 for Type.
- General Duty.
- Padlockable in off position.
- Underground and overhead Exit/Entry provisions standard from factory.
- Hinge cover screw fastened door construction.
- Roof Knockout sealable cover plates available and sold separately.
- Active safety latch keeps cover closed when switch is in on position.
- Neutral to ground bonding kit included standard.
- Line side top configuration standard, Line bottom configuration available by request.
- 60°C and 75°C conductor rating.
- Disconnect switches are fused.

Product Selection

Part Number	Amperage (A)	Voltage (V)	Phase/Wires	Type	H x W x D (Inches)	Fuse Type
NAV-SS 200-3-F	200	250 MAX	3PH/4W	INDOOR	31-1/4 x 13 x 7	(H) or (K)
NAV-SS 200-3-F-R	200	250 MAX	3PH/4W	OUTDOOR	31-1/4 x 13 x 7	(H) or (K)
NAV-SS 200-2-F	200	250 MAX	1PH/3W	INDOOR	31-1/4 x 13 x 7	(H) or (K)
NAV-SS 200-2-F-R	200	250 MAX	1PH/3W	OUTDOOR	31-1/4 x 13 x 7	(H) or (K)
NAV-SS 400-3-F	400	250 MAX	3PH/4W	INDOOR	49.5 x 22 x 10-1/2	(H) or (K)
NAV-SS 400-3-F-R	400	250 MAX	3PH/4W	OUTDOOR	49.5 x 22 x 10-1/2	(H) or (K)
NAV-SS 400-2-F	400	250 MAX	1PH/3W	INDOOR	49.5 x 22 x 10-1/2	(H) or (K)
NAV-SS 400-2-F-R	400	250 MAX	1PH/3W	OUTDOOR	49.5 x 22 x 10-1/2	(H) or (K)





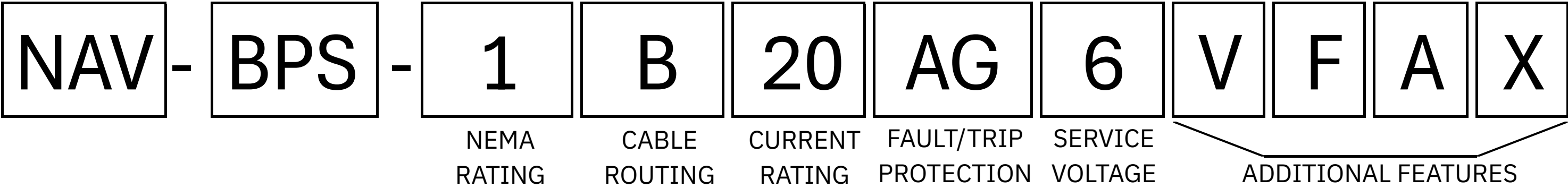
Features

- 400A-4000A MAX disconnects available.
- Listed per UL Standard 90, enclosed and dead front switches.
- UL service entrance rated when installed in accordance with the National Electrical Code.
- Disconnect switches are fused (fusible down to 225A). Fuses sold separately.
- Heavy duty rated enclosed bolted pressure switch.
- 3P – 4W configuration.
- Bus bars silver plated copper - 98% conductivity.
- Ampere fault current rating of 200K AIC.
- Enclosure options are available for indoor, outdoor, weatherproof & NEMA 4X units.
- Terminals included - see spec sheet for number of sets. Additional lugs sold separately.
- Padlockable when off is standard. Padlockable on available by request.
- For 1200A and over models, installed with isolated neutral bus with removable link in center. Includes neutral to ground bonding kit.
- For 800A and under models, installed with only isolated neutral. Neutral with removable link in center available by request.
- Line side top configuration or line bottom configuration available.
- Additional features such as arc flash and ground fault protection are available by request. See enclosed BPS configuration and part number logic page for options.

Heavy Duty Disconnect Switches
Configurations & Part Number Logic

81

*Below is a guide on our enclosed BPS part number logic. Each box of the part number would represent a specific detail or feature included. Please contact us for additional configurations not shown here.



NEMA Rating	
1	NEMA 1 - indoor
3	NEMA 3R - outdoor
4	NEMA 3/4/12 - weatherproof
5	NEMA 4X - stainless steel 304
6	NEMA 4X - stainless steel 316

Arc Flash / Ground Fault Protection	
Blank if not required	
AF	Arc flash
G	Ground fault
AG	Arc flash & ground fault
ST	Shunt trip only

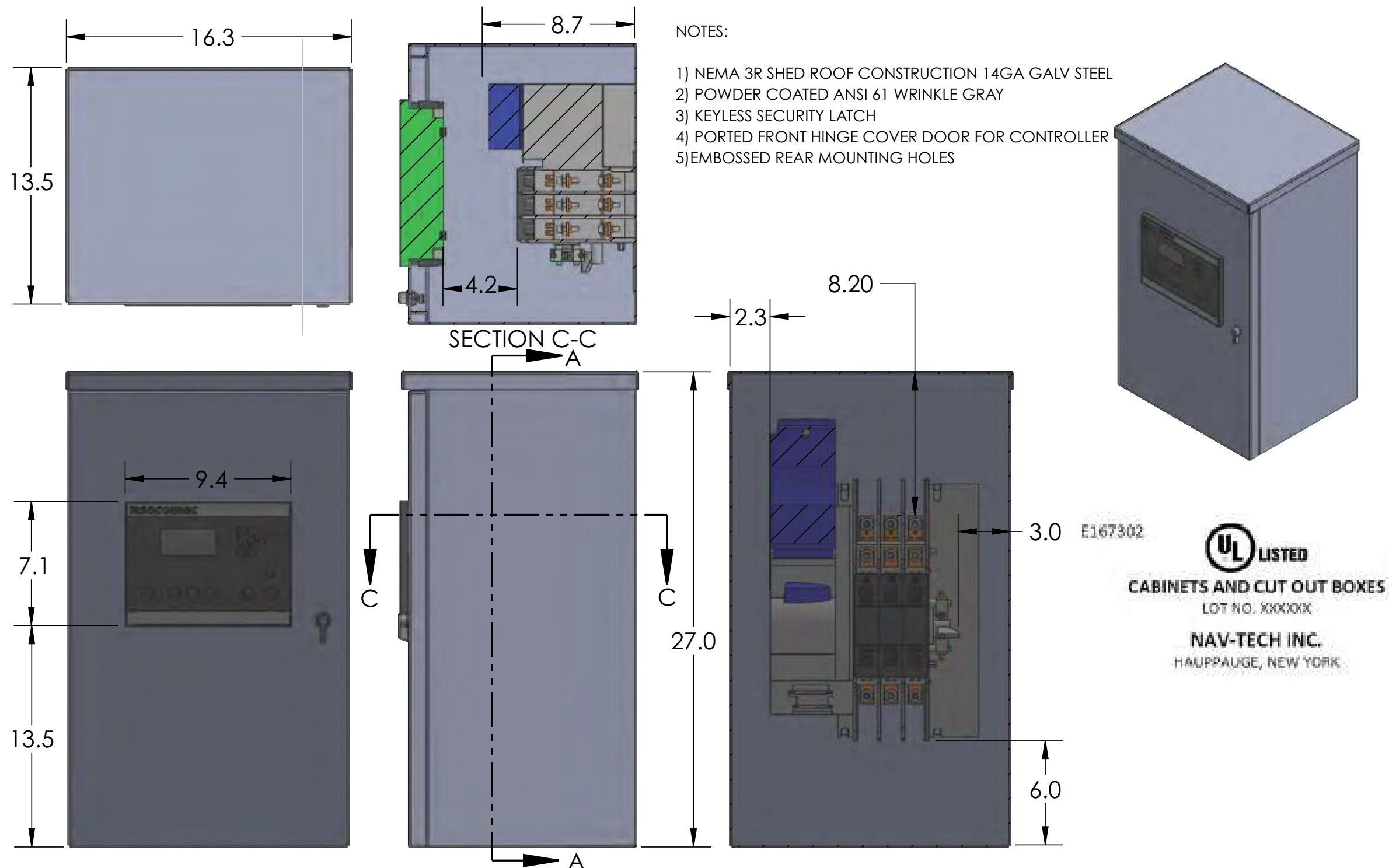
Cable Routing	
T	Top entry - bottom exit
B	Bottom entry - top exit
OH	Top entry & exit
UG	Bottom entry & exit

Service Voltage	
Required with arc flash Or ground fault protection (Blank if not required)	
3	208Y/120V
4	240/120V
6	480Y/277V
8	600Y/347V
9	380Y/220V

Current Rating (A)	
4	400
6	600
8	800
12	1200
16	1600
20	2000
25	2500
30	3000
40	4000

Additional Features	
Blank if already standard Or not required	
V	Viewing window
L	Neutral with removable link
P	Padmount
W	Wall Mounting tabs
F	Painted red
O	Lockable in ON position
K	Key interlock
E	Bus extensions
N	Non-fused (Dummy Links)
A	AUX switch NEMA 1 (1 NO/ 1 NC)
B	AUX switch type 2 (2 NO/ 2 NC)
X	SPD type 1
Y	SPD type 2
Z	SPD type 1 & 2

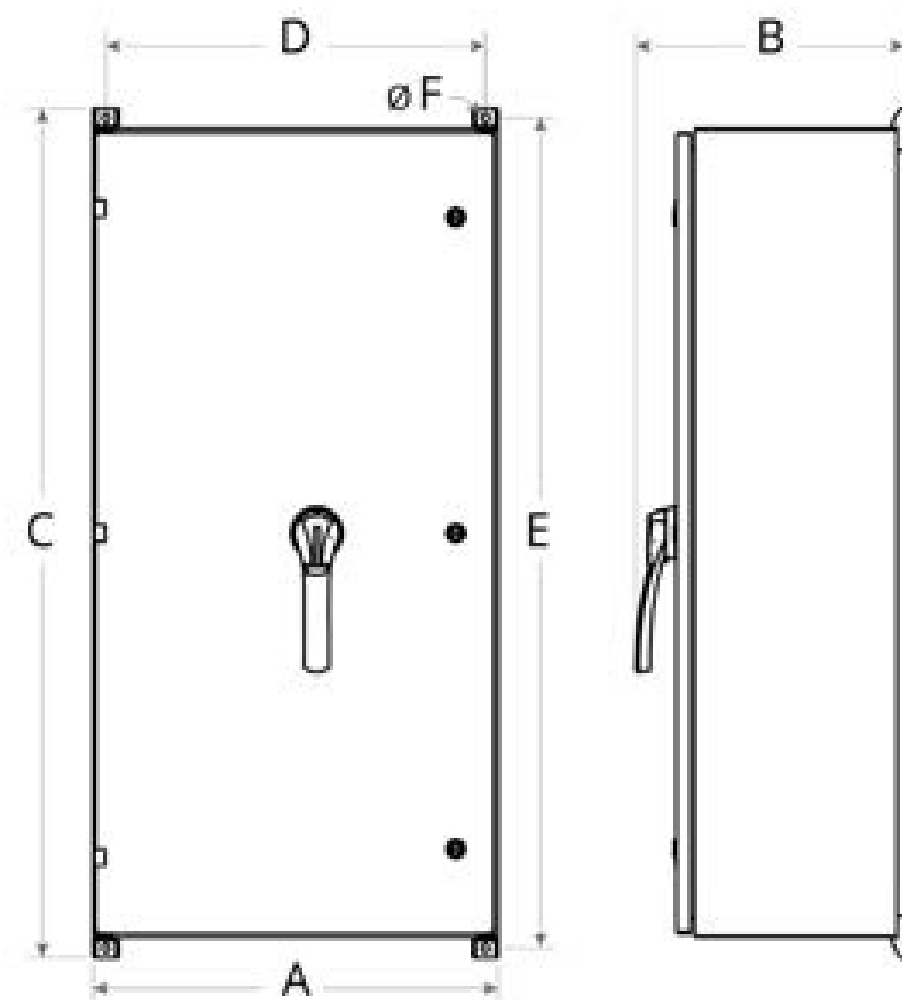
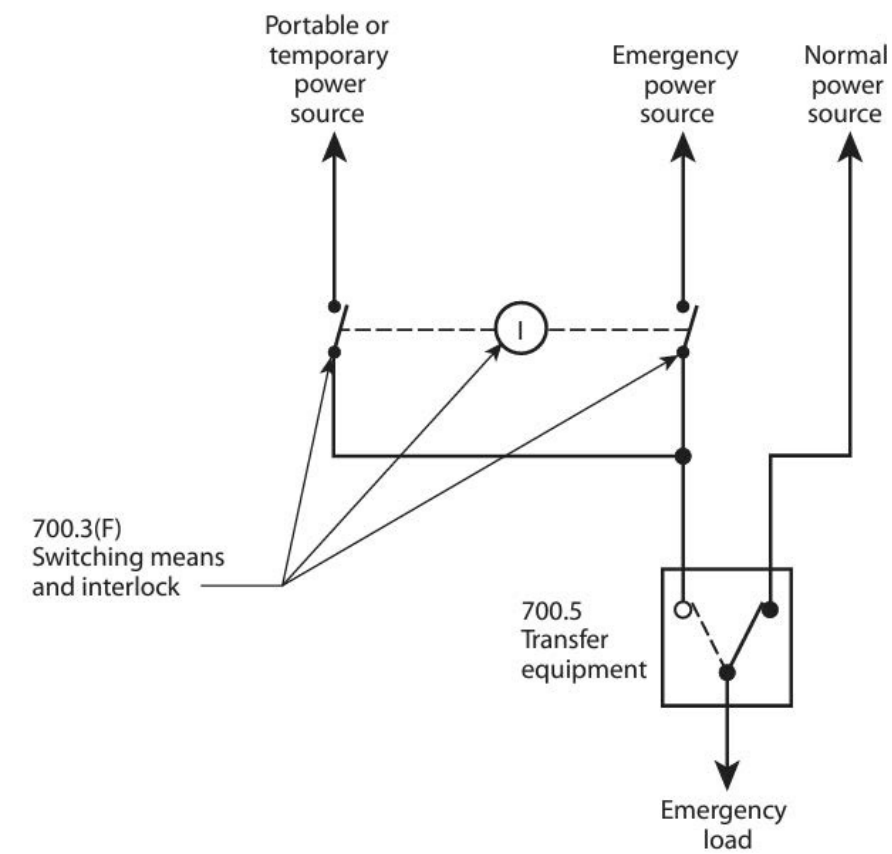




Features

- NEMA 3R (NEMA 4X available).
- Type: (A) Open transition (B) Closed transition.
- Current rating: 60A-1200A.
- Poles: 2, 3.
- Solid neutral.
- Service entrance rated available.
- Breaker type: (1) Thermal-magnetic molded case, (2) Electronic trip (LSI/LSIG).
- Interrupting rating: 65KAIC or 100KAIC.
- UL Listed.
- User-friendly digital controller, factory-set with common time delays and setpoints.





Features

- UL1008 listed manual transfer switch.
- Available for single phase and three phase power.
- Rotary operator handle mounted on door, lockable in three positions: On Line, Off, and On Auxiliary.
- NEMA Type 4/12 powder-coated steel wall-mount enclosure standard. 4X-316 stainless steel enclosures available.
- Compact, fully enclosed switching mechanism.
- 2-pole and 3-pole models furnished with solid neutral bar. 4-pole models equipped with switched neutral on fourth pole.
- Lugs factory installed for connection to switch poles.
- Factory installed auxiliary contacts for remote ON/OFF signaling or electrical interlocking.
- Suitable for indoor and outdoor installations.



Description:

Nav-Tech trans sockets combine the meter socket and transformer cabinet into a single enclosure, providing a more cost-effective solution for current-transformer metering. This integrated design allows mounting of current transformers and test switches in one NEMA 3R cabinet of code-gauge galvanized or galvannealed steel, suitable for both overhead and underground service. Available in 1- and 3-phase configurations from 400A to 800A with pre-wired test switches, silver- or tin-plated bus, and a 50kA SCCR, these units are offered pre-wired, unwired, or remote-meter for Con Edison, PSEG LI, Orange & Rockland, Central Hudson, and First Energy territories — UL, Con Edison, and NYC advisory board approved.

Contents:

Trans Sockets

First Energy Trans Sockets





Description

- Trans sockets combine the meter socket and transformer cabinet to provide more cost-effective metering. Trans sockets' single enclosure for current-transformer metering allows mounting of current transformers and test switches. Suitable for overhead or underground service.



Features

- Only factory prefabricated knockouts on the enclosure shall be used.
- Trans "S" unit supplied with furnished meter pan and CT wiring upon utility approval.
- Security hardware to be provided for CT cabinet door and meter enclosure cover (to be installed by contractor).
- Cold sequence service requires a disconnect switch before the CT cabinet.
- Utility locking provisions available when required.
- Mount using prefabbed mounting holes or hanging brackets.
- Bus bar shall be silver or tin plated and shall be sized per the NEC.
- Cabinet shall be rated NEMA 3R and shall be constructed from code gauge galvanized or galvanized steel.
- Mounting: Units are furnished with 1/2"-13 studs, washers and hex nuts and bolt with lock washer for CT mounting.
- Lugs are provided and installed on the load and line side of the cabinet.
- Available in 6, 8, and 13 Terminal Socket configurations complete with pre-wired test switch.
- SCCR: These units have a 50K short circuit current withstand rating.
- Bus bar shall be mounted in the cabinet by means of standoff insulators or insulated mounting brackets. Insulating material shall conform to the applicable sections of UL 746 and UL 94. The cabinet shall be UL, Con Edison and NYC advisory board approved.

Product Selection

Territory	Part Number	Wiring	Amperage (A)	Voltage (V)	Line/Load Connector	Phase (Ø)	Enclosure Type	H x W x D (Inches)
Con Ed	NAV-CE-TS400-208-3	Prewired	400	250	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	41 x 20 x 10
Con Ed	NAV-CE-TS400-480-3	Prewired	400	480	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	41 x 20 x 10
Con Ed	NAV-CE-TS400-240-1	Prewired	400	250	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	41 x 20 x 10
Con Ed	NAV-CE-TS400-480-1	Prewired	400	480	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	41 x 20 x 10
Con Ed	NAV-CE-TS800-208-3	Prewired	800	250	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	48 x 24 x 10
Con Ed	NAV-CE-TS800-480-3	Prewired	800	480	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	48 x 24 x 10
Con Ed	NAV-CE-TS800-240-1	Prewired	800	250	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	48 x 24 x 10
Con Ed	NAV-CE-TS800-480-1	Prewired	800	480	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	48 x 24 x 10
PSEG LI	NAV-PG-TS400-208-3	Prewired	400	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	41 x 20 x 10
PSEG LI	NAV-PG-TS400-208-1	Prewired	400	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	41 x 20 x 10
PSEG LI	NAV-PG-AL350-1	Prewired	400	600	(2) 350 MCM-6 -#4	1	Outdoor	41 x 20 x 10
PSEG LI	NAV-PG-TS400-480-1	Prewired	400	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	41 x 20 x 10
PSEG LI	NAV-PG-TS800-208-3	Prewired	800	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	48 x 24 x 10
PSEG LI	NAV-PG-TS800-208-1	Prewired	800	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	48 x 24 x 10
Orange & Rockland	NAV-OR-TS400-208-3	Prewired	400	250	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	41 x 20 x 10
Orange & Rockland	NAV-OR-TS400-208-1	Prewired	400	250	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	41 x 20 x 10
Orange & Rockland	NAV-OR-TS800-208-3	Prewired	800	250	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	48 x 24 x 10
Orange & Rockland	NAV-OR-TS800-208-1	Prewired	800	250	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	48 x 24 x 10
Central Hudson	NAV-CH-TS800-208-1	Unwired	800	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	48 x 24 x 10
Central Hudson	NAV-CH-TS800-208-3	Unwired	800	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	48 x 24 x 10
PSEG LI	NAV-PG-RTS400-208-3	Remote Meter	400	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	41 x 20 x 10
PSEG LI	NAV-PG-RTS400-208-1	Remote Meter	400	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	41 x 20 x 10
PSEG LI	NAV-PG-RTS800-208-3	Remote Meter	800	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	3	Outdoor	48 x 24 x 10
PSEG LI	NAV-PG-RTS800-208-1	Remote Meter	800	600	(1) 600 MCM -#4 OR (2) 250 MCM -#4	1	Outdoor	48 x 24 x 10
First Energy	NAV-FE-TS800-1H	Prewired	800	600	2 Sets 600 MCM	1	Outdoor	36 x 47 x 12
First Energy	NAV-FE-TS800-3H	Prewired	800	600	2 Sets 600 MCM	3	Outdoor	36 x 47 x 12



*First Energy territories include: Jersey Central Power & Light, The Illuminating Company, Toledo Edison, Met-ed, Penelec, Penn Power, West Penn Power, Ohio Edison, Mon Power, Potomac Edison.



Description

- Trans sockets combine the meter socket and transformer cabinet to provide more cost-effective metering. Trans sockets’ single enclosure for current-transformer metering allows mounting of current transformers and test switches. Suitable for overhead or underground service.



Features

- Trans socket unit supplied with furnished meter pan and CT wiring upon utility approval.
- Security hardware to be provided for CT cabinet door and meter enclosure cover (to be installed by contractor).
- Cold sequence service requires a disconnect switch before the CT cabinet.
- Bus bar shall be silver or tin plated and shall be sized per the NEC.
- Cabinet shall be rated NEMA 3R and shall be constructed from code gauge galvanized or galvanized steel.
- Available in 1 and 3 phase configurations complete with pre-wired test switch.
- SCCR: These units have a 50K short circuit current withstand rating.
- Bus bar shall be mounted in the cabinet by means of standoff insulators or insulated mounting brackets. Insulating material shall conform to the applicable sections of UL 746 and UL 94.
- For use with both first energy bar or window style CT's.

Part Number	Wiring	Amperage (A)	Voltage (V)	Line/Load	Phase (Ø)	Enclosure Type	H x W x D (Inches)
NAV-FE-TS800-1H	Prewired	200-800	600	(2) 600 MCM -#4	1	Outdoor	36 x 47 x 12
NAV-FE-TS800-3H	Prewired	200-800	600	(2) 600 MCM -#4	3	Outdoor	36 x 47 x 12



Description:

Nav-Tech trans socket disconnect combos integrate current-transformer metering and a service disconnect in a single enclosure, streamlining cold-sequence metering installations. Available with 400A MAX fusible disconnects listed per UL Standard 90, these units combine pre-wired test switches, NEMA 3R construction, and utility-approved CT compartments. Line-top or line-bottom configurations and UL service-entrance ratings deliver durability, flexibility, and compliance for a wide range of utility metering applications. **NEMA 1 is standard** but NEMA 3R is available upon special request.

Contents:

Trans Socket with Disconnect
CT Cabinet with Main Disconnect





Features

- Only factory prefabricated knockouts on the enclosure shall be used.
- Trans "S" unit supplied with furnished meter pan and CT wiring upon utility approval.
- Security hardware to be provided for CT cabinet door and meter enclosure cover (to be installed by contractor).
- Cold sequence service requires a disconnect switch before the CT cabinet.
- Utility locking provisions available when required.
- Mount using prefabbed mounting holes or hanging brackets.
- Bus bar shall be silver or tin plated and shall be sized per the NEC.
- Cabinet can be rated NEMA 1 or NEMA 3R and shall be constructed from code gauge galvanized or galvanized steel.
- Mounting: Units are furnished with 1/2"-13 studs, washers and hex nuts and bolt with lock washer for CT mounting.
- Lugs are provided and installed on the load and line side of the cabinet.
- Available in 6, 8, and 13 Terminal Socket configurations complete with pre-wired test switch.
- SCCR: These units have a 100K short circuit current withstand rating.
- Bus bar shall be mounted in the cabinet by means of standoff insulators or insulated mounting brackets. Insulating material shall conform to the applicable sections of UL 746 and UL 94. The cabinet shall be UL, Con Edison and NYC advisory board approved.
- 400A MAX disconnects available.
- Listed per UL Standard 90, enclosed and dead front switches.
- UL service entrance rated when installed in accordance with the National Electrical Code.
- Disconnect switches are fused (fusible down to 225A). Fuses sold separately.
- Heavy duty rated.
- 3P – 4W configuration.
- Line side top configuration or line bottom configuration available.

*Below are NEMA 1 units. For NEMA 3R Or NEMA 4X; please specify request

	Utility Spec.	Part Number	H x W x D (Inches)	Volts (V)	Amperage (A)
Con Edison	745	TS/SW 400-240-B	70x20x10.81	240	400
	745	TS/SW 400-240-T	65x20x10.81	240	400
	745	TS/SW 400-480-B	65x20x11	480	400
	745	TS/SW 400-480-T	70x20x11	480	400
	750	TS/SW 600-240-B	82x24x12.125	240	600
	750	TS/SW 600-240-T	76x20x12.125	240	600
	750	TS/SW 600-480-B	76x20x12	480	600
	750	TS/SW 600-480-T	82x24x12	480	600
	750	TS/SW 800-240-B	82x24x12.125	240	800
	750	TS/SW 800-240-T	76x20x12.125	240	800
	750	TS/SW 800-480-B	76x20x12	480	800
	750	TS/SW 800-480-T	82x24x12	480	800
PSEG LI		TS/SW-400-240T(3) LI	65x20x11	600	400
		TS/SW-400-240B(3) LI	70x20x11	600	400
		TS/SW-600-240T(3) LI	82x24x12	600	600
		TS/SW-600-240B(3) LI	76x24x12	600	600
		TS/SW-800-240T(3) LI	82x24x12	600	800
		TS/SW-800-240B(3) LI	76x20x12	600	800

**XX Would be substituted for the amperage of the box. (I.E. 2000A w “20” instead of “XX”)



Con Ed Approved CT Cabinet with Main Disconnect



Features

- Indoor NEMA 1 & outdoor NEMA 3R construction available.
- AFGFR (Arc Flash Reduction & Ground Fault Protection) is available by request.
- Industry standard ANSI 61 baked enamel powder coat finish.
- Bar style & window style CT cabinets per utility requirements.
- 600 MCM line/load lugs come standard on CT cabinets. Larger or smaller lugs available upon request.
- Silver flashed & bare copper bus available in 2" to 6" widths.
- Zinc plated hardware is standard, stainless steel hardware available by request.
- Padlockable handle with 3pt catch standard for CT compartment.
- Units rated up to 4000A, 600V MAX.
- Disconnects listed per UL Standard 90, enclosed and dead front switches.
- Heavy duty rated.
- Padlockable when off is standard. Padlockable on available by request.
- Underground and overhead exit/entry.
- Neutral to ground bonding kit included standard.
- Line side top configuration or line bottom configuration available.
- Disconnect switches are fused.
- All cabinets are UL Listed.
- For a list of utility approved cabinets, see Nav-Tech Catalog.
- For specs of individual utility cabinets, consult Nav-Tech.

Product Selection

	Part Number	Amperage (A)	Voltage (V)	Type	H x W x D (Inches)	Line/Load
298CTSW	NAV-298CTSW-XXB*	1200-1600	240 MAX	Hot Sequence, Bottom Fed	90 x 36 x 18	4 Sets 600 MCM
	NAV-298CTSW-XXT*	1200-1600	240 MAX	Hot Sequence, Top Fed	90 x 36 x 18	4 Sets 600 MCM
	NAV-298CTSW-XXB-CS*	1200-1600	600 MAX	Cold Sequence, Bottom Fed	90 x 36 x 18	4 Sets 600 MCM
	NAV-298CTSW-XXT-CS*	1200-1600	600 MAX	Cold Sequence, Top Fed	90 x 36 x 18	4 Sets 600 MCM
377CTSW	NAV-377CTSW-XXB*	1600-4000	240 MAX	Hot Sequence, Bottom Fed	90 x 50 x 20	Up to 10 Sets 600 MCM
	NAV-377CTSW-XXT*	1600-4000	240 MAX	Hot Sequence, Top Fed	90 x 50 x 20	Up to 10 Sets 600 MCM
	NAV-377CTSW-XXB-CS*	1600-4000	600 MAX	Cold Sequence, Bottom Fed	90 x 50 x 20	Up to 10 Sets 600 MCM
	NAV-377CTSW-XXT-CS*	1600-4000	600 MAX	Cold Sequence, Top Fed	90 x 50 x 20	Up to 10 Sets 600 MCM

****XX Would be substituted for the amperage of the box. (I.E. 2000A w “20” instead of “XX”)**



Description:

Nav-Tech MR and BH Line switchboards deliver custom-engineered power distribution within a standardized, UL 891-listed framework. Available from 400A to 5000A with voltage ratings up to 600 VAC/250 VDC and short-circuit ratings up to 100kAIC, they offer fixed-mount or draw-out main and feeder breakers, copper or aluminum bus, and integrated ATS, SPD, transformer, and metering solutions. Type 1 and Type 3R enclosures with rigid-frame construction and utility pre-approved CT compartments provide durability, flexibility, and rapid lead times for a wide range of commercial and industrial applications.

Contents:

MR Line

BH Line

Rapid Panelboard Program





Features

- Rigid frame construction with isolated bus and breaker assemblies.
- Bus tied or cable tied configurations available for expedited lead times or space constraints.
- Utility pre-approved ct compartments for PSEG LI, Con Edison, First Energy and more.
- Fixed-mount or draw-out breakers for mains and feeders.
- Breaker choices: thermal-magnetic or electronic, 80% or 100% rated.
- Fusible switch or breaker/switch combination options.
- Integrated solutions: ATS, SPD, transformers, automation, metering & monitoring.
- Wide range of UL Listed breaker and fuse options.
- Voltage ratings up to 600 VAC / 250 VDC.
- Ampacity range from 400A to 5000A.
- Short-circuit ratings up to 100K AIC at 480V / 100kA at 600V.
- Type 1 or 3R enclosures with ANSI 61 or optional colors.
- Front, rear, and side accessibility.
- Copper or aluminum bus options with custom sheet-metal/bus configurations.

DESCRIPTION

Every MR line configuration is UL 891 listed, offering the flexibility of a custom design within a standardized framework. With multiple structure options available, we can build and ship your order in rapid fashion - as little as 12 weeks

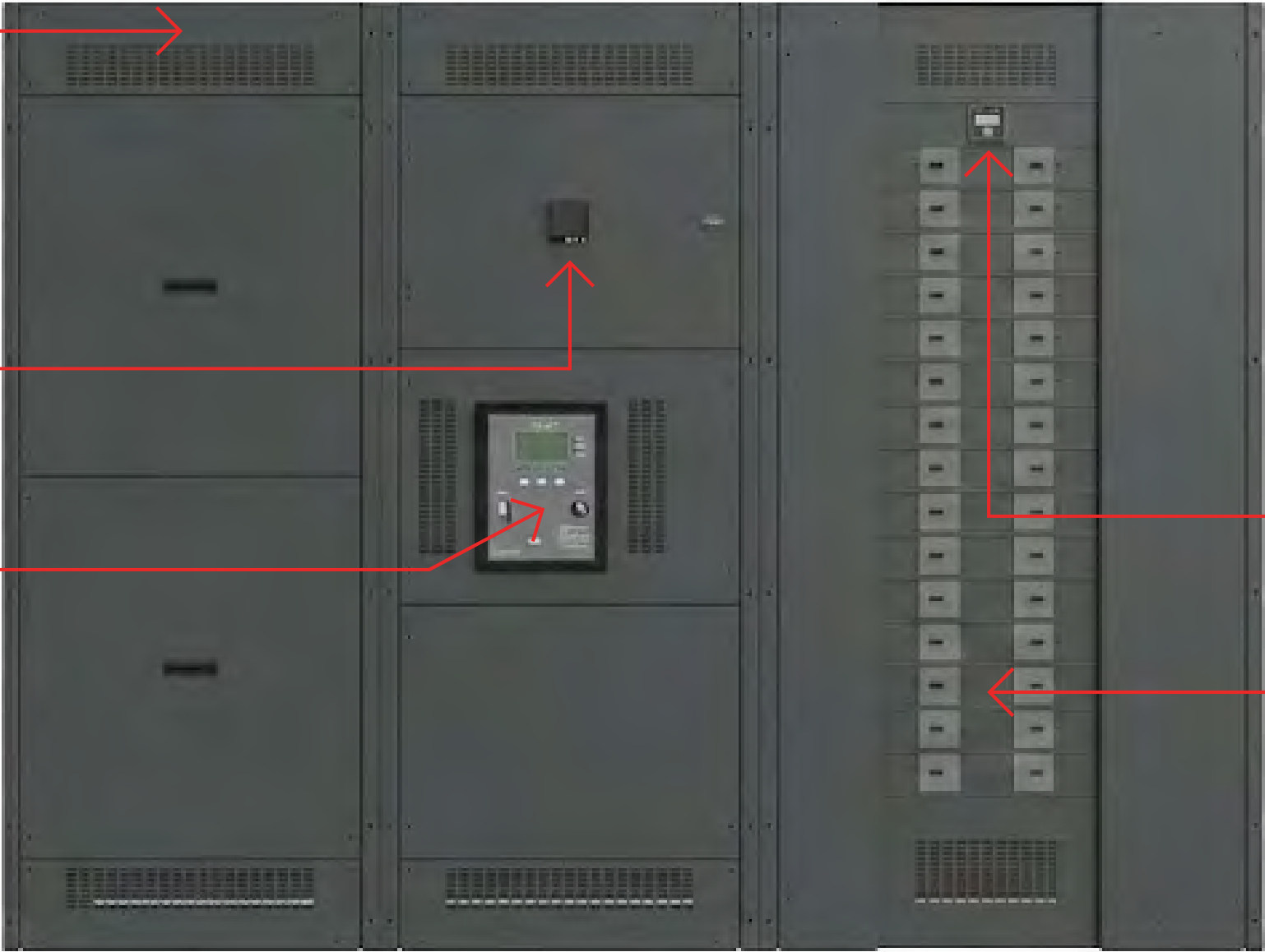
Enclosure Construction

- NEMA 1
- Hot Rolled Steel
- Front Access Only
- NEMA 3R (Includes Space Heater)
- ANSI-61 Gray Polyester Powder Coat

*Digital Meter

Main Breaker

- 2000A - 4000A
- Fixed or Drawout
- 65kAIC Withstand Rating
- See Back for Details



*Surge Protection Device

- Available in 300kA

Feeder Breakers

- Up to 1200A
- 3 Pole
- Adjustable Electronic Trip

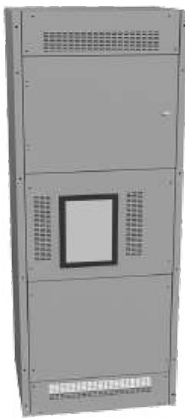
* Indicates Optional Accessory

STRUCTURE TYPES



Main Lug Only

- Available as Cable Pull Section
- Optional Local Utility Metering
- 300-800 MCM Mechanical Lugs



Main Breaker

- 2000A - 4000A
- Fixed or Drawout
- Optional Service Entrance Rated
- LSIG Trip & ARMS



Individually Mounted Feeder

- Fixed or Drawout
- 2500A & Below - Max Two per Section
- 3000A & Above - Max One per Section



50X Feeder Chassis

- Molded Case Breakers
- Ampacities Up to 1200A
- Available as 3 Pole
- Adjustable Electronic Trip



Temporary Connections

- Male or Female Camlock Receptacles
- Optional Disconnect Breaker
- Snap Covers



MAIN BREAKER &
INDIVIDUALLY MOUNTED FEEDER

Breaker Frame Size	Part Adjustable Trip Range	Kaic @480V	Trip Unit	Standard Lugs Per Phase & Neutral
2000A	200A-2000A	65	LSIG	(6)300-800 MCM
2500A	200A-2500A	65	LSIG	(8) 300-800 MCM
3200A	200A-3200A	65	LSIG	(10) 300-800 MCM
4000A	800A-4000A	100	LSIG	(12) 300-800 MCM

- Main Breaker: Neutral CT included on 4-wire systems
 - Individually Mounted Feeder: Neutral CT available as optional accessory
- All breakers include ARMS
 - LSIG Trip: Ground Fault Enable/Disable

FEEDER BREAKER

Breaker Frame Size	Trip Unit	Part Adjustable Trip Range	Standard Lugs Per Phase	Optional Lugs Per Phase
125A	Fixed thermal magnetic is standard adjustable electrical trip available upon request	40-100A	(1) #14-4/0	(6) 300-800 MCM
250A		100-250A	(1) #14-4/0	(8) 300-800 MCM
400A		160A-400A	(2) 3/0 - 250 MCM	(10) 300-800 MCM
600A		250A-600A	(2) 3/0 - 250 MCM	(12) 300-800 MCM
800A		320A-800A	(2) 500 - 750 MCM	N/A
1200A		500A-1500A	(3) 500 - 750 MCM	(3) 3/0 - 400 MCM

- Ground and Neutral lugs not included
 - 1200A Feeder Breaker: Neutral CT available as optional accessory
- 1200A Feeder Breaker includes ARMS upon request
 - LSIG Trip: Ground Fault Enable/Disable

NEMA 1 DIMENSIONS

Ampacity (A)	Breaker Type	H	W	D
2000-3200A	Fixed	90"	36"	30"
4000A	Fixed	90"	48"	36"
2000-3200A	Drawout	90"	36"	48"
4000A	Drawout	90"	48"	48"

- Dimensions approximate
- Widths based on Main Breaker structure

NEMA 3R DIMENSIONS

Ampacity (A)	Breaker Type	H	W	D
2000-3200A	Fixed	90"	36"	30"
4000A	Fixed	90"	48"	36"
2000-3200A	Drawout	90"	36"	48"
4000A	Drawout	90"	48"	48"

- Dimensions approximate
- Widths based on Main Breaker structure



MAIN VACU-BREAK
DISCONNECT

Amperage (A)	KAIC @480V	Fuse Class	Standard Lugs
400	100	Class J	(2) 500 MCM
600	100	Class J	(2) 500 MCM
800	100	Class J	(2) 500 MCM
1200	100	Class J	(2) 500 MCM

BRANCH DISCONNECT

Amperage (A)	KAIC @480V	Fuse Class	Standard Lugs
30-30	100k w/Class R	Class R	(1)#4
30-60	100k w/Class R	Class R	(1)#2
60-60	100k w/Class R	Class R	(1)#2
100-60	100k w/Class R	Class R	(1) 1/0
100-100	100k w/Class R	Class R	(1) 1/0
200-200	100k w/Class R	Class R	(1)300 MCM
400	100k w/Class J	Class J	(2)500 MCM
600	100k w/Class J	Class J	(2)500 MCM
800	100k w/Class L	Class L	(3)500 MCM
1200	100k w/Class L	Class L	(3)750 MCM or (4)500 MCM

Notes:

- Top or bottom feed available
- NEMA 1, 3R, 4X, 12 construction available
- SPD integration available
- Feed through configuration available

MAIN SWITCH
SECTIONS

Notes:

- Bus tied or standalone main disconnects available
- Bolted pressure switch or high pressure contact switching
- Fuseable 200kAIC interruption rating up to 600V
- Available with integrated SPD, arc flash & ground fault protection
- 400 – 4000 Amps

Features

- Nav-Tech Rapid Panelboard Program enables quick power distribution solutions at competitive prices.
- Arc flash, ground fault and SPD integrations available upon request but may extend lead time.
- Rapid panel programs ship in 4 weeks or less.
- Main lug and main breaker options available.
- Branch circuits: Thermal magnetic fixed trip MCCB or Vacu-Break disconnects.



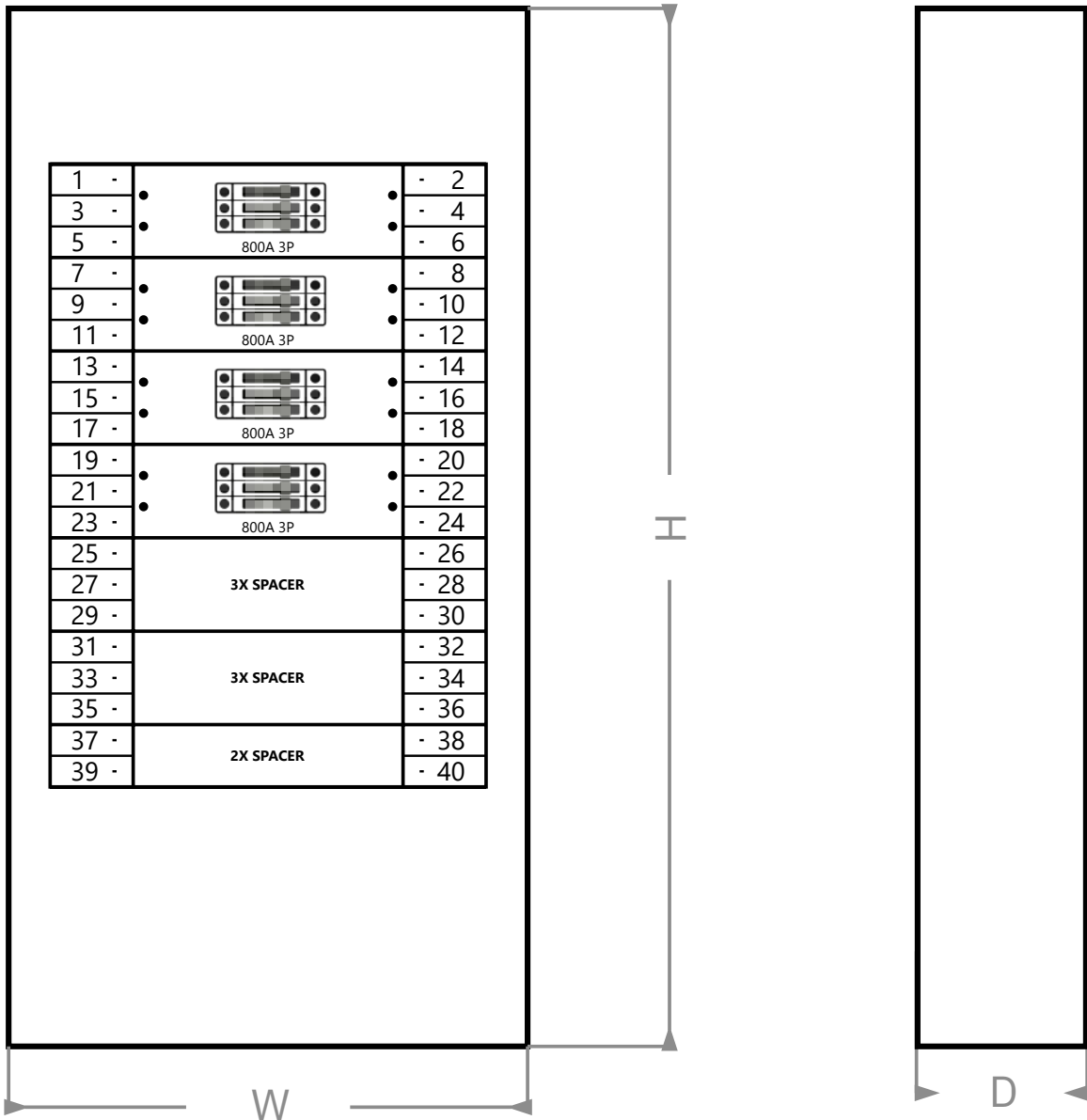
Rapid Ratings	
Amps	400 - 2000A
Volts	120/208 277/480
AIC	Up to 100k
Bus Bar	Tinned copper
Enclosure Type	1, 3R
Feed Type	Main lug, Main breaker up to 1600A
Branch Circuits	Thermal magnetic fixed trip MCCB or Vacu-break disconnects



FRONT

SIDE

Rapid Frame Sizes		
H (in)	W (in)	D (in)
65	36	13
75	36	13
75	45	13
90	45	13

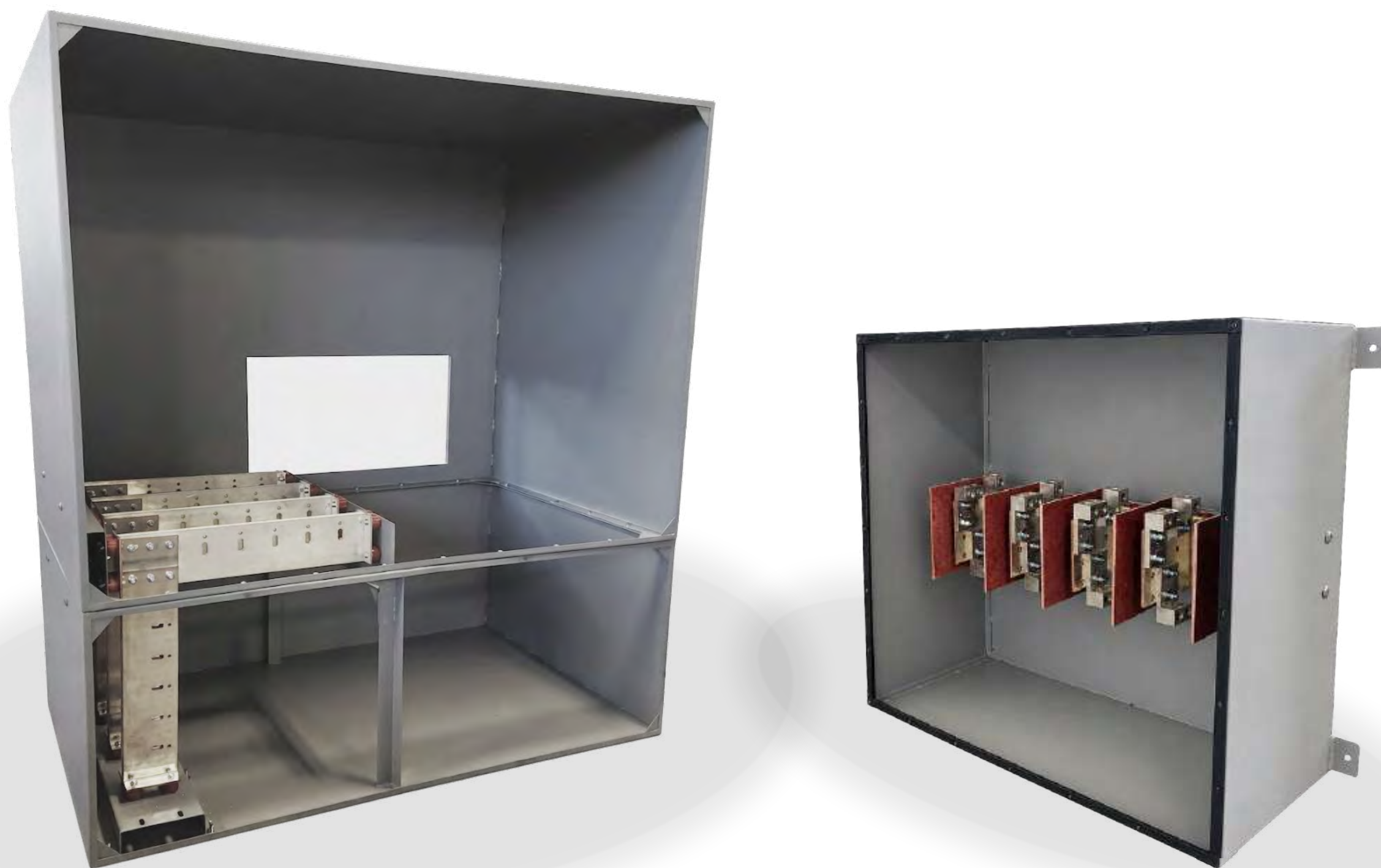


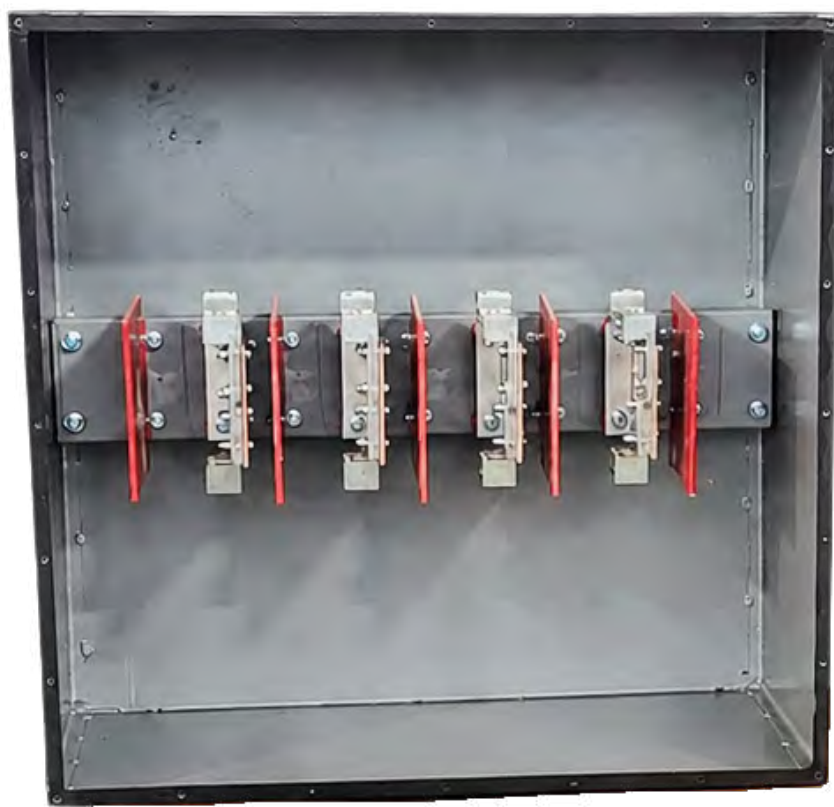
Description:

Nav-Tech tap boxes provide a secure, cost-effective way to take power from the utility and distribute it to multiple tenants. The prewired NAV-FAB series features lightweight aluminum enclosures rated 30A to 60A, with a padlockable 3pt latching mechanism and optional penta-bolt locking to guard against power theft. Available in NEMA 1 and NEMA 3R ratings with wall- or pad-mount options and multi-port ground lugs, they deliver durability, security, and UL-Listed compliance — ideal for housing developments, strip malls, and apartment buildings.

Contents:

Multi-Tenant Tap Boxes (NAV-FAB Series)
Wall- & Pad-Mount Configurations
Optional Penta-Bolt Anti-Theft Locking





Description

- Tap Boxes are a great option for multi-tenant applications, taking power from utilities and distributing it to multiple end users. A 3pt latching system and padlockable cabinet provide a secure enclosure.



Features

- Mechanical lug connections rated for multiple circuit configurations.
- Silver-plated bussing for superior electrical conductivity and corrosion resistance.
- 304 stainless steel enclosure option for enhanced durability.
- Compact design with flexible installation options (top/bottom feed standard, side entry capable).
- Factory tested and ready for immediate installation.
- Scalable amp ratings from 400A to 3200A.
- UL Listed.

Part Number	Amperage (A)	Line Side Lugs (per pole)	Load Side Lugs (per pole)
TAPBOX-400A	400	(2) #6-250 MCM, (2) #4-600 MCM	(2) #6-250 MCM, (2) #4-600 MCM
TAPBOX-600A	600	(2) #6-250 MCM, (2) #4-600 MCM	(2) #6-250 MCM, (2) #4-600 MCM
TAPBOX-800A	800	(2) #6-250 MCM, (2) #4-600 MCM	(2) #6-250 MCM, (2) #4-600 MCM
TAPBOX-1200A	1200	(8) #2-600 MCM	(8) #2-600 MCM
TAPBOX-2000A	2000	(8) #2-600 MCM	(8) #2-600 MCM
TAPBOX-3200A	3200	(8) #2-600 MCM	(8) #2-600 MCM

Description:

Nav-Tech fire alarm boxes and control panels provide dedicated, code-compliant power and protection for fire alarm circuits. Finished in distinctive electrostatically applied red powder coat, units feature fused disconnects (250V or 480V), removable copper neutrals, cam-lock security, and plexiglass dead-front safety covers. Available in indoor and weatherproof construction across a range of sizes and pole counts, these UL Listed assemblies deliver reliable service for a wide variety of fire alarm installations.

Contents:

Fire Alarm Boxes

Fire Alarm Control Panels





Features (Boxes and Panels)

- Hinge cover box.
- Cam lock with Cat. 45 key.
- Mounted in box.
 - A. 250 or 480V fuse holders.
 - B. Solid removable copper neutral.
 - C. Neutral bars available upon request.
- Electrostatically applied powder coat red finish
- Other sizes and configurations available upon request.
- Indoor or weatherproof construction.

Features (Panels only)

- Panelboard bus bar construction.
- Main lug line provisions.
- Plexiglass dead front safety cover.
- Hinged main door and hinged inner access door.

Product Selection

Boxes	Part #	Size (Inches)	Amps (A)	Poles	Finish
	FAB 884	8 × 8 × 4	30	4	Powder Coated Red
	FAB 1284	12 × 8 × 4	60	3	Powder Coated Red
	FAB 12124	12 × 12 × 4	30	6	Powder Coated Red
	FAB 16164	16 × 16 × 4	30	8	Powder Coated Red
	FAB 24204	24 × 20 × 4	30	12	Powder Coated Red
	FAB-12P-60A	30 × 30 × 4	60	12	Powder Coated Red

Control Panels	Part #	Size (Inches)	Amps (A)	Voltage (V)	Fuse	Finish
	NAV-FACP-12C30A	30 × 24 × 6	30	600	H or R	Powder Coated Red
	NAV-FACP-24C30A	30 × 24 × 6	30	600	H or R	Powder Coated Red
	NAV-FACP-36C30A	30 × 24 × 6	30	600	H or R	Powder Coated Red



Description:

Nav-Tech elevator equipment provides a complete galvanized steel wireway and hoistway package for elevator installations. The core trough system is built from 16-gauge, hot-dipped mill-galvanized steel with uniform knockouts and a full range of fittings — 45° and 90° elbows, tees, end plates, couplings, insulated bushings, and panel connectors — listed to UL 870 for the elevator industry. The section also includes ANSI 61 powder-coated trough with covers, UL-fabricated screw terminal junction boxes, ground fault receptacles and lamp holders, code-mandated triangle car mirrors, and welded rail inserts, delivering durable, flexible, and compliant solutions across a wide range of elevator applications.

Contents:

Galvanized Steel Trough with Covers
Trough Fittings (Elbows, Tees, End Plates, Couplings,
Bushings, Connectors)
Powder-Coated Trough with Covers & End Caps
Screw Terminal Junction Boxes
Ground Fault Receptacles & Lamp Holders
Triangle Elevator Mirror
Rail Inserts & Fire Tabs



Triangle Elevator Mirror

- Elevator mirrors, now being mandatory in many states and municipalities, are compliant to suit your elevator application.
- Designed to fit in a corner.
- Heavy duty construction.
- Mounting hardware included.



Part Number	Description	Box Qty.
EM	10" Length	20

Screw Terminal Junction Boxes

- Comes fully assembled with covers and terminals. Fabricated in accordance with UL specification from code gauge steel.
- Steel thickness/gauge standard.
- Flat, removed covers fastened with plated steel screws.
- Mounting holes on back of box.



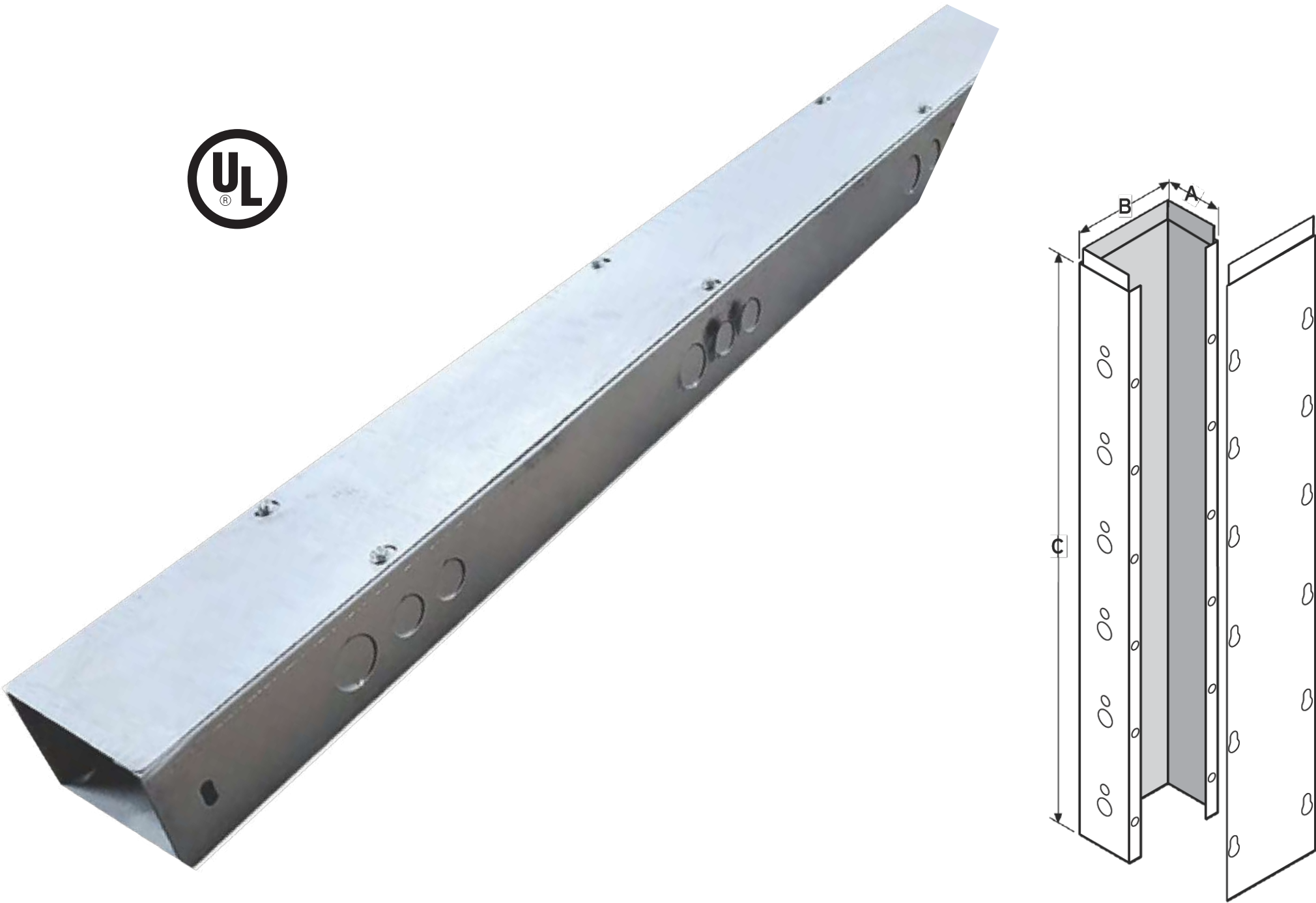
TERMINAL POSITION - ENCLOSURE ONLY		
Part Number	Description	Box Qty.
36CIR	36 13-1/2"H x 8-1/2"W x 3-1/2"D	1
72CIR	72 24"H x 8-1/2"W x 3-1/2"D	1
108CIR	108 36"H x 8-1/2"W x 3-1/2"D	1

TERMINAL POSITION WITH RAIL & TERMINAL BLOCK		
Part Number	Description	Box Qty.
36CIR-KIT	36 13-1/2"H x 8-1/2"W x 3-1/2"D	1
72CIR-KIT	72 24"H x 8-1/2"W x 3-1/2"D	1
108CIR-KIT	108 36"H x 8-1/2"W x 3-1/2"D	1

Galvanized Steel Trough with Covers

- Wireway comes with (2) 5' covers, #10-32 hex head screws and screw protection and spot-welded coupling on one end. Uniform knockouts (2) 1/2" and (1) 3/4" every 12".
- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- UL 870 to meet elevator industry standard.

Part Number	Dim A	Dim B	Dim C	Box Qty
ET-2525120	2-1/2"	2-1/2"	120"	1
ET-254120	2-1/2"	4"	120"	1
ET-256120	2-1/2"	6"	120"	1
ET-258120	2-1/2"	8"	120"	1
ET-44120	4"	4"	120"	1
ET-46120	4"	6"	120"	1
ET-48120	4"	8"	120"	1
ET-66120	6"	6"	120"	1
ET-88120	8"	8"	120"	1



45° Elbow Type C

- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.

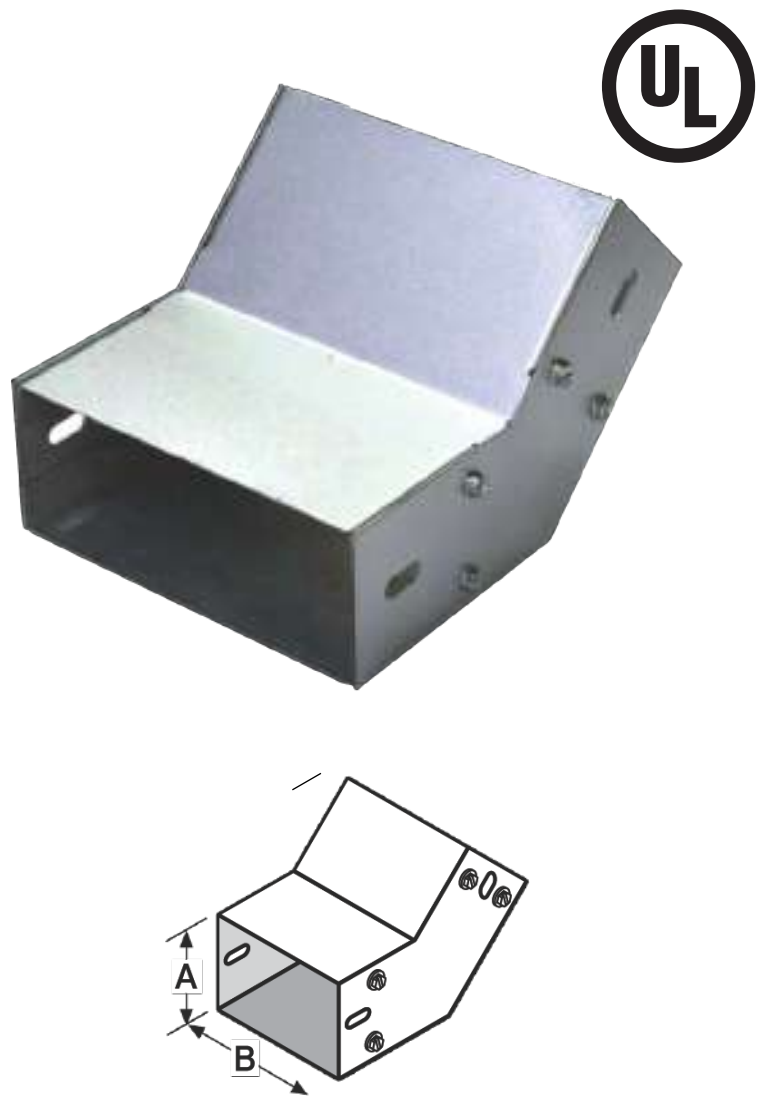
Part Number	Dim A	Dim B	Use With Steel Trough	Box Qty
ET-2525-45C	2-1/2"	2-1/2"	ET-2525120	1
ET-254-45C	2-1/2"	4"	ET-254120	1
ET-256-45C	2-1/2"	6"	ET-256120	1
ET-258-45C	2-1/2"	8"	ET-258120	1
ET-44-45C	4"	4"	ET-44120	1
ET-46-45C	4"	6"	ET-46120	1
ET-48-45C	4"	8"	ET-48120	1
ET-66-45C	6"	6"	ET-66120	1
ET-88-45C	8"	8"	ET-88120	1



45° Elbow Type D

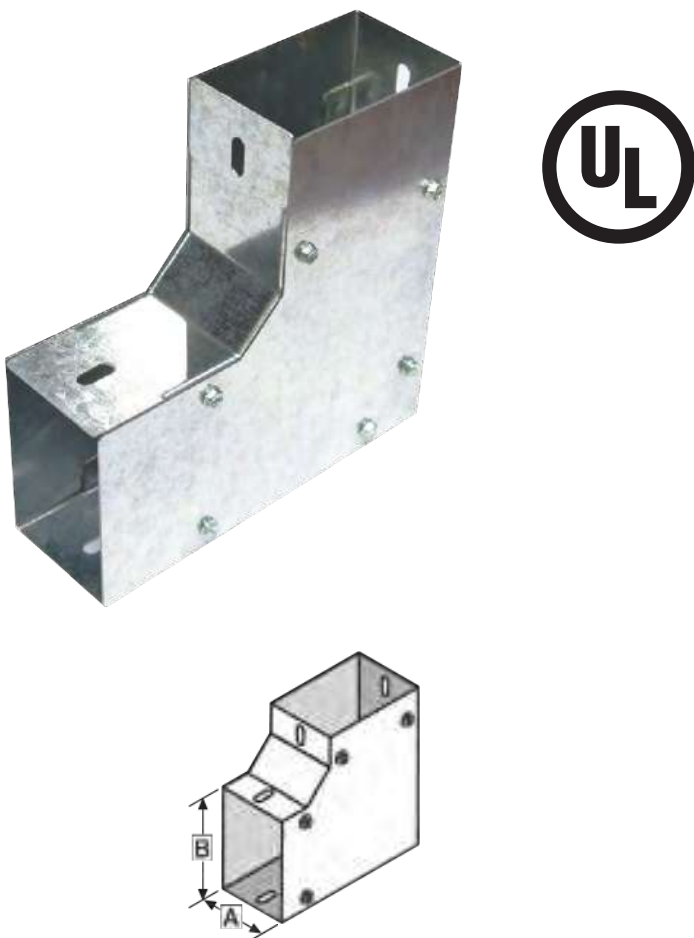
- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.

Part Number	Dim A	Dim B	Use With Steel Trough	Box Qty
ET-425-45D	2-1/2"	4"	ET-254120	1
ET-625-45D	2-1/2"	6"	ET-256120	1
ET-825-45D	2-1/2"	8"	ET-258120	1
ET-64-45D	4"	6"	ET-46120	1
ET-84-45D	4"	8"	ET-48120	1



90° Elbow Type C

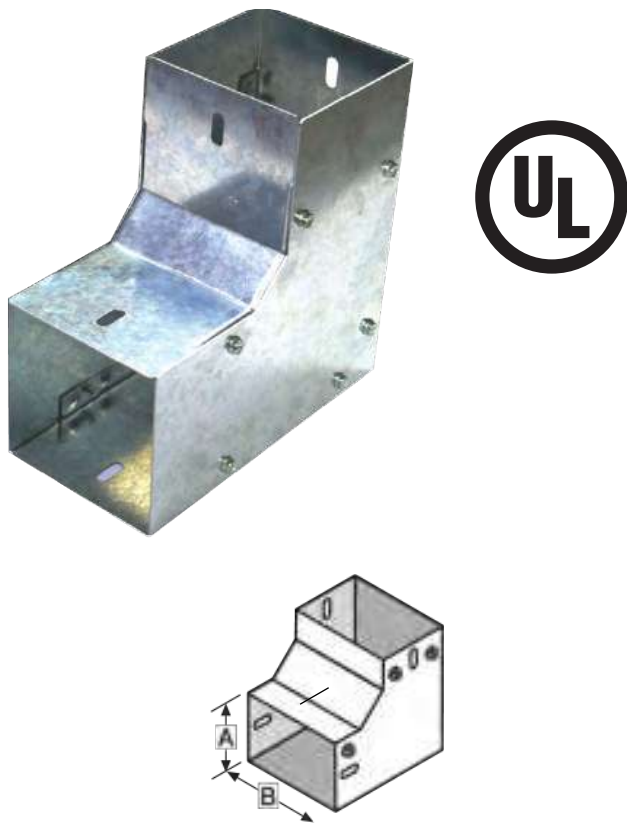
- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.



Part Number	Description	Pkg
ET-2525-90C	2-1/2" x 2-1/2" 90° Elbow Type C	1
ET-254-90C	2-1/2" x 4" 90° Elbow Type C	1
ET-256-90C	2-1/2" x 6" 90° Elbow Type C	1
ET-258-90C	2-1/2" x 8" 90° Elbow Type C	1
ET-44-90C	4" x 4" 90° Elbow Type C	1
ET-46-90C	4" x 6" 90° Elbow Type C	1
ET-48-90C	4" x 8" 90° Elbow Type C	1
ET-66-90C	6" x 6" 90° Elbow Type C	1
ET-88-90C	8" x 8" 90° Elbow Type C	1

90° Elbow Type D

- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.

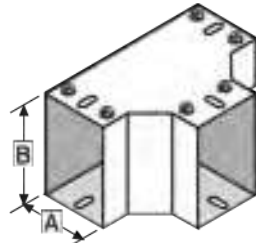
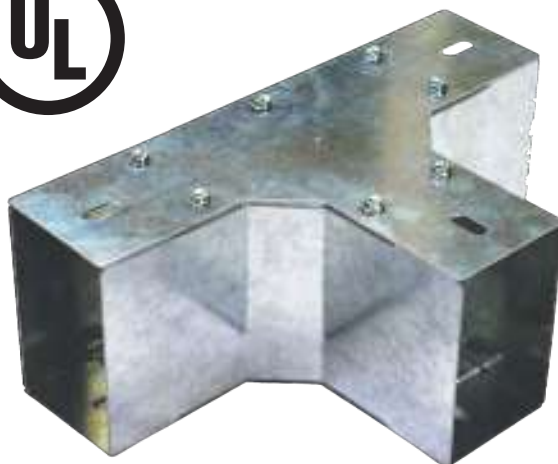


Part Number	Description	Pkg
ET-425-90D	2-1/2" x 4" 90° Elbow Type D	1
ET-625-90D	2-1/2" x 6" 90° Elbow Type D	1
ET-825-90D	2-1/2" x 8" 90° Elbow Type D	1
ET-64-90D	4" x 6" 90° Elbow Type D	1
ET-84-90D	4" x 8" 90° Elbow Type D	1



Tee Type C

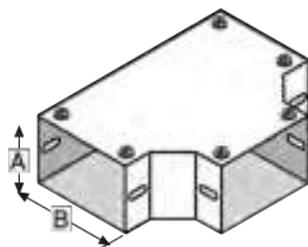
- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.



Part Number	Dim A	Dim B	Use With Steel Trough	Box Qty
ET-2525-TC	2-1/2"	2-1/2"	ET-2525120	1
ET-254-TC	2-1/2"	4"	ET-254120	1
ET-256-TC	2-1/2"	6"	ET-256120	1
ET-258-TC	2-1/2"	8"	ET-258120	1
ET-44-TC	4"	4"	ET-44120	1
ET-46-TC	4"	6"	ET-46120	1
ET-48-TC	4"	8"	ET-48120	1
ET-66-TC	6"	6"	ET-66120	1
ET-88-TC	8"	8"	ET-88120	1

Tee Type D

- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.

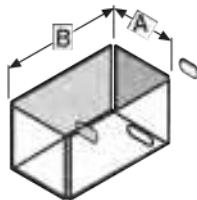


Part Number	Dim A	Dim B	Use With Steel Trough	Box Qty
ET-425-TD	2-1/2"	4"	ET-254120	1
ET-625-TD	2-1/2"	6"	ET-256120	1
ET-825-TD	2-1/2"	8"	ET-258120	1
ET-64-TD	4"	6"	ET-46120	1
ET-84-TD	4"	8"	ET-84120	1



End Plates

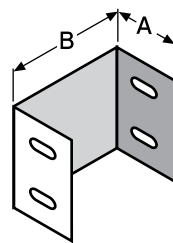
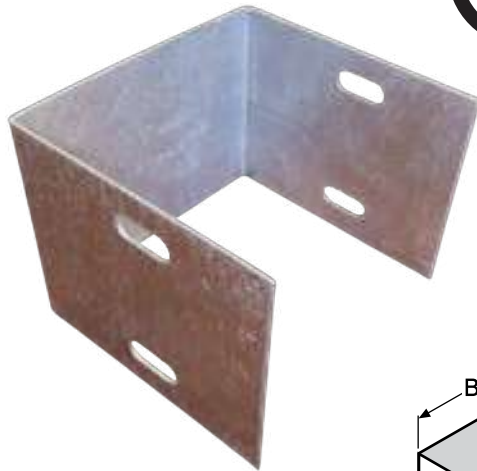
- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.



Part Number	Description	Pkg
ET-2525E	2-1/2" x 2-1/2" End Plate	1
ET-254E	2-1/2" x 4" End Plate	1
ET-256E	2-1/2" x 6" End Plate	1
ET-258E	2-1/2" x 8" End Plate	1
ET-44E	4" x 4" End Plate	1
ET-46E	4" x 6" End Plate	1
ET-48E	4" x 8" End Plate	1
ET-66E	6" x 6" End Plate	1
ET-88E	8" x 8" End Plate	1

Couplings

- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.

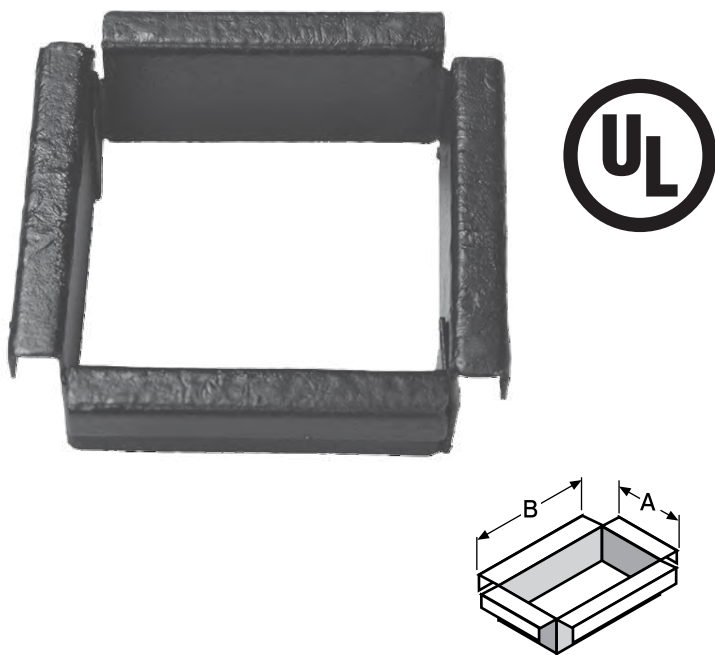


Part Number	Description	Pkg
ET-2525C	2-1/2" x 2-1/2" Coupling	1
ET-254C	2-1/2" x 4" Coupling	1
ET-256C	2-1/2" x 6" Coupling	1
ET-258C	2-1/2" x 8" Coupling	1
ET-44C	4" x 4" Coupling	1
ET-46C	4" x 6" Coupling	1
ET-48C	4" x 8" Coupling	1
ET-66C	6" x 6" Coupling	1
ET-88C	8" x 8" Coupling	1



Insulated Bushings

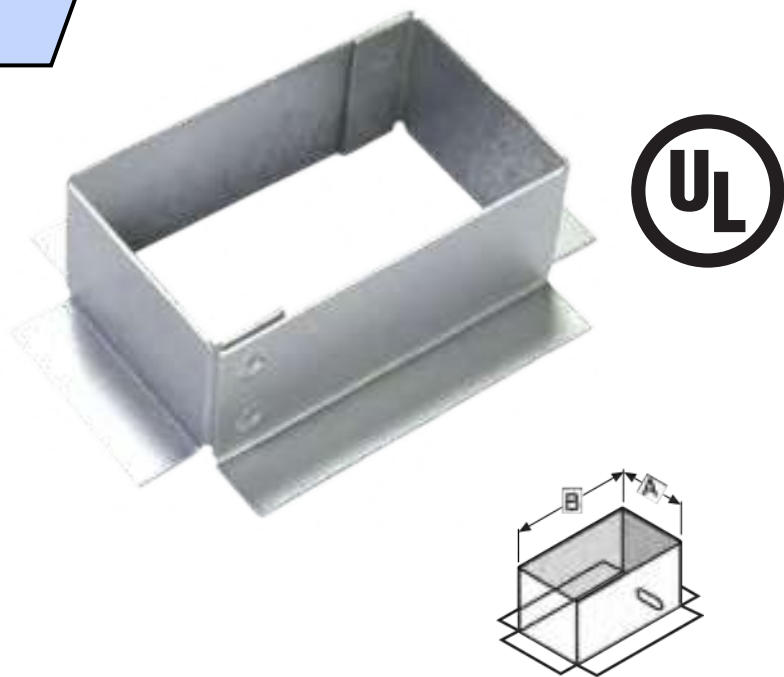
- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.



Part Number	Trade Size	Dim A	Dim B	Box Qty
ET-2525IB	2-1/2" x 2-1/2"	2-1/8"	2-7/16"	1
ET-254IB	2-1/2" x 4"	2-1/8"	3-15/16"	1
ET-256IB	2-1/2" x 6"	2-1/8"	5-15/16"	1
ET-258IB	2-1/2" x 8"	2-1/8"	7-15/16"	1
ET-44IB	4" x 4"	3-5/8"	3-15/16"	1
ET-46IB	4" x 6"	3-5/8"	5-15/16"	1
ET-48IB	4" x 8"	3-5/8"	7-15/16"	1
ET-66IB	6" x 6"	5-5/8"	5-15/16"	1
ET-88IB	8" x 8"	7-5/8"	7-15/16"	1

Panel Connectors

- Hot dipped, mill galvanized.
- 16-gauge sheet metal.
- Uniform slots 3/4" by 1/4".
- Standard connector slots #10, 5/16" hex head.
- Screws on side panels.
- Screw protection provided.



Part Number	Trade Size	Dim A	Dim B	Box Qty
ET-2525PA	2-1/2" x 2-1/2"	2-1/8"	2-7/16"	1
ET-254PA	2-1/2" x 4"	2-1/8"	3-15/16"	1
ET-256PA	2-1/2" x 6"	2-1/8"	5-15/16"	1
ET-258PA	2-1/2" x 8"	2-1/8"	7-15/16"	1
ET-44PA	4" x 4"	3-5/8"	3-15/16"	1
ET-46PA	4" x 6"	3-5/8"	5-15/16"	1
ET-48PA	4" x 8"	3-5/8"	7-15/16"	1
ET-66PA	6" x 6"	5-5/8"	5-15/16"	1
ET-88PA	8" x 8"	7-5/8"	7-15/16"	1

Trough with Covers

- 16-gauge sheet metal mill galvanized.
- Finish: ANSI61 color, semi-gloss.
- Boxes are chemically treated and powder coated with pure polyester powder.
- (2) 1/2", (2) 3/4" and (1) 1" knockouts.
- Wireway comes with (1) 5' covers #10-32 hex head screws.



Part Number	Description	Box Qty
T445	NEMA 1 4" x 4" x 60"	1
T445NK	NEMA 1 4" x 4" x 60" (No Knockout)	1

Trough End Caps

- 16-gauge sheet metal mill galvanized.
- Finish: ANSI61 color, semi-gloss.
- Boxes are chemically treated and powder coated with pure polyester powder.



Part Number	Description	Box Qty
T4E	4" x 4"	1
T4ENK	4" x 4" (No Knockout)	1

Universal Trough Couplings

- 16-gauge sheet metal mill galvanized.



Part Number	Description	Box Qty
T4C	4" x 4"	1

Ground Fault Receptacles

- New labor saving feature, easier installation.
- Tamper resistant and provides 15A/120V AC Max/20A protection.
- Side and back wire.
- LED trip indicator and reset/test buttons.
- Wall plate included.

Part Number	Description	Box Qty
ARK15-TR-W	GFCI 15A Tamper with LED White	50
ARK20-TR-W	GFCI 20A Tamper with LED White	50



Incandescent Lamp Holder

- One piece aluminum screw shell construction.
- Medium base.
- Fits 3-1/4" or 4" Round box.
- 660W-250V.
- Includes conductor lead and mounting screws.

Part Number	Description	Box Qty
G1634FGL	FG Keyless Lamp Holder with Conductor Leads	108



Metal Lamp Guards

- Heavy-duty, zinc-plated construction ensures long life.
- Helps prevent breakage and theft.
- 200 watt max type "A."

Part Number	Description	Box Qty
BCAGE	Metal Lamp Guard	100



Plastic Lamp Guards

- High strength, high temperature impact-resistant thermoplastic.
- Fits ceiling, rubber, phenolic pigtails.
- Easy-open guard for re-lamping without removing guard.
- 200 watt max type "A23."

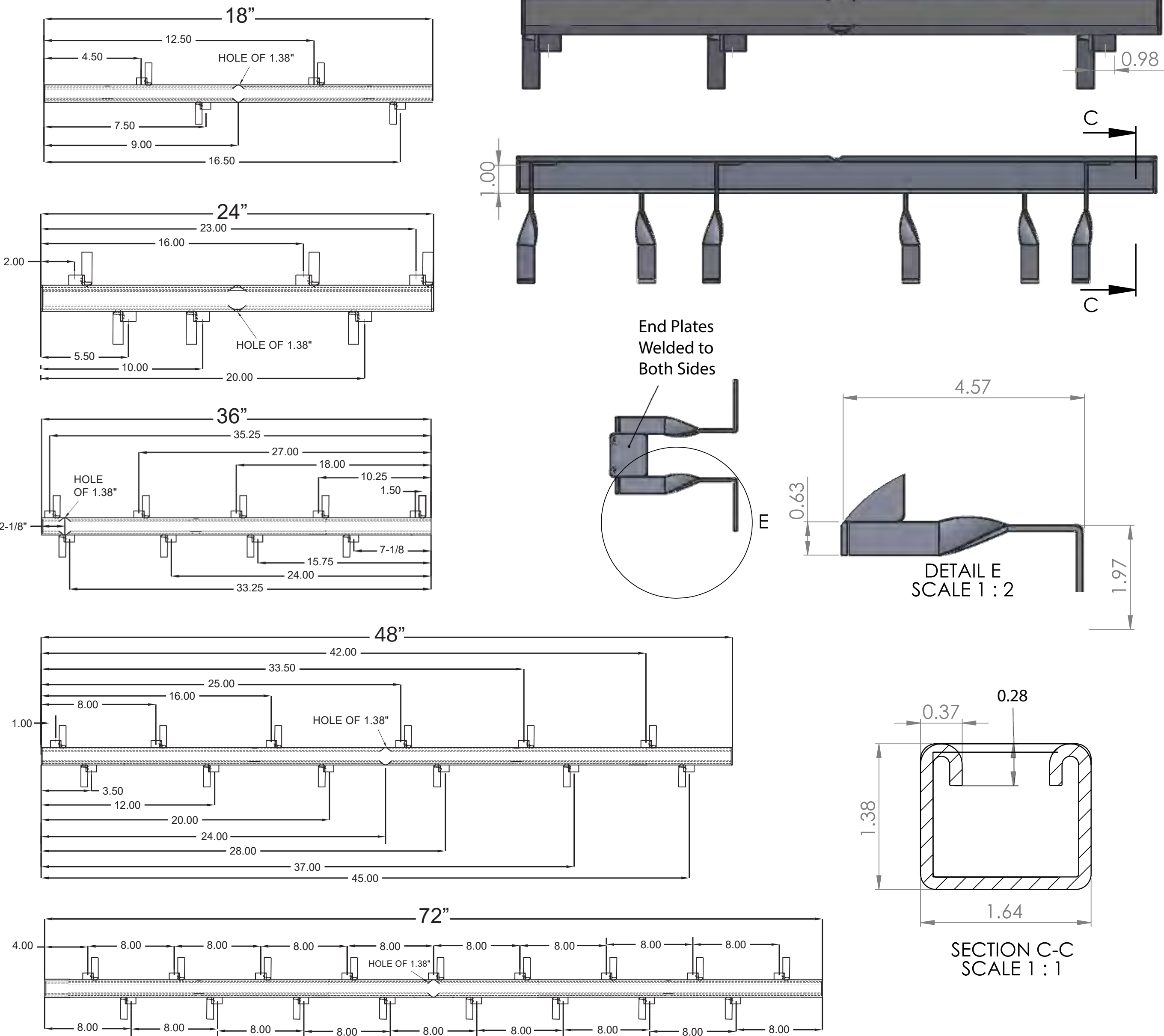
Part Number	Description	Box Qty
GYC	Yellow Thermoplastic Guard	100



Rail Insert

- 12-gauge steel.
- Grey powder coated finish.
- Welded legs on each size brick insert.
- All twisted legs are welded to the strut.

Part Number	Description	Box Qty.
NBI-18	18" Brick Insert - 4 legs	1
NBI-24	24" Brick Insert - 6 legs	1
NBI-36	36" Brick Insert - 9 legs	1
NBI-48	48" Brick Insert 12 legs	1
NBI-72	72" Brick Insert 17 legs	1



Fire Tabs - Z Brackets 4"

- 3 Holes.
- 10 Gauge Galvanized Steel.



Part Number	Description	Box Qty
NAV-ZB12-4	FireTab Z-Bracket, 4" L with 1/2" Offset	50
NAV-ZB58-4	FireTab Z-Bracket, 4" L with 5/8" Offset	50
NAV-ZB34-4	FireTab Z-Bracket, 4" L with 3/4" Offset	50
NAV-ZB78-4	FireTab Z-Bracket, 4" L with 7/8" Offset	50
NAV-ZB1-4	FireTab Z-Bracket, 4" L with 1" Offset	50
NAV-ZB118-4	FireTab Z-Bracket, 4" L with 1-1/8" Offset	50
NAV-ZB114-4	FireTab Z-Bracket, 4" L with 1-1/4" Offset	50
NAV-ZB112-4	FireTab Z-Bracket, 4" L with 1-1/2" Offset	50

Fire Tabs - Z Brackets 8"

- 5 Holes.
- 10 Gauge Galvanized Steel.



Part Number	Description	Box Qty
NAV-ZB12-8	FireTab Z-Bracket, 8" L with 1/2" Offset	50
NAV-ZB58-8	FireTab Z-Bracket, 8" L with 5/8" Offset	50
NAV-ZB34-8	FireTab Z-Bracket, 8" L with 3/4" Offset	50
NAV-ZB78-8	FireTab Z-Bracket, 8" L with 7/8" Offset	50
NAV-ZB1-8	FireTab Z-Bracket, 8" L with 1" Offset	50
NAV-ZB118-8	FireTab Z-Bracket, 8" L with 1-1/8" Offset	50
NAV-ZB114-8	FireTab Z-Bracket, 8" L with 1-1/4" Offset	50
NAV-ZB112-8	FireTab Z-Bracket, 8" L with 1-1/2" Offset	50

Accessories (guards, latches, insulators, hubs)28, 39

Ampacity Calculation40, 46–47

ANSI 61 finish6–34, 49–56, 61–77, 82, 91, 93–94, 102, 110

Automatic Transfer Switches (ATS)78, 82

BH Line switchboards92, 93

Bus bars40, 41, 43–45, 46, 73, 80, 85, 87, 89, 97, 101

Camlock receptacles94

Con Edison (Con Ed).....49, 56, 60–62, 70, 84–86, 89–90, 91, 93

CT cabinets60–70, 71–74, 77, 85, 87–89, 91

Disconnect switches75–76, 78, 79–81, 85, 87, 89, 91

Duke Energy61–62, 71, 72

Duquesne Light Co.56, 60–62, 63

Elevator equipment102–113

Elevator mirrors102–103

Eversource71, 73

Fire alarm boxes100–101

Fire alarm control panels100–101

First Energy84, 86, 87, 93

Flat blank covers34, 38

FPL71, 74

Gang boxes34–35, 36–38

Gang box collars34, 37

Gang box partitions34, 38

Ground bars40, 43–44

Hinge cover boxes5, 17–18, 20–22, 101

JCP&L71, 75

Lever bypass meter sockets48, 50–55

Manual Transfer Switches (MTS)78, 83

Meter sockets48, 50–56, 77, 84–85, 87

MR Line switchboards92, 94

National Grid60, 68, 71, 76

NYSEG60, 64

Orange & Rockland56, 61–62, 84, 86

Panelboards (Rapid Panelboard Program).....92, 97, 101

PECO60–62, 65

Pepco60, 66



PPL60, 67

Pre-wired 30 Amp meter sockets48, 56

PSEG LI56, 77, 84, 86, 90, 93

PSEG NJ (New Jersey).....61–62, 71, 75

Raised covers34, 36

RG&E.....60, 69

Ring type meter sockets48–49, 51, 53, 55

Screw cover boxes5, 6–18

Service entrance boxes60, 70

Submersible hinge cover boxes5, 23

Surge protection (SPD)81, 92–94, 96–97

Switchboards92–93

Tap boxes98–99

Test switch covers.....56–59

Test switches.....56, 57–59, 71–74, 84–85, 87–89

Toggle switch covers34, 38

Trans socket disconnect combos88–91

Trans sockets84–87, 88–91

Transfer switches78, 82–83

Trough wireways24–26, 28–32

UL 100878

UL 414.....71, 73–74

UL 50 / 50E6–23, 32, 70, 77

UL 870.....25–26, 28–31, 104

UL 891.....70, 77, 92, 94

Utility packages71–77

Wireway fill table33

Wireway fittings24, 27



