

**Product Name**

Van-Met Non-Rated Access Doors

**Associated Specification Section**

MasterFormat 2004 # 08 31 13

MasterFormat 1995 # 08311

**Manufacturer's Name**

Maxam Metals



Date: 2012-10-02

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## PRODUCT DESCRIPTION

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### PRODUCT FEATURES

- DESCRIPTION
  - Non-rated access doors for walls and ceilings.
- BASIC USES / RELATED USES
  - Allow access to services hidden in walls or ceilings.
- PRODUCT ATTRIBUTES AND CHARACTERISTICS
  - Exterior or concealed flanges.
  - Single or double-leaf doors.
  - Galvannealed or stainless steel material.
- SELECTION CRITERIA
  - Air and water resistant doors available, with insulating and gasketing.
  - Heavy duty security doors available.
  - Vented doors are available.
  - Refer to ACCESS DOOR SCHEDULE - NON-RATED for a complete summary of models.
- APPLICABLE STANDARDS, RELATED REFERENCES
  - ASTM A653/A653M-11 - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
  - CAN/CSA-A440-00/A440.1-00 (R2005) - User Selection Guide to CSA Standard A440-00, Windows.
- PERFORMANCE CRITERIA
  - Gasketed Access Doors:
    - Air infiltration rating: A-3 at 75 Pa (1.57 psf), A-3 at 300 Pa (6.27 psf), to CSA A440.
    - Air exfiltration rating: A-3 at 75 Pa (1.57 psf), A-3 at 300 Pa (6.27 psf), to CSA A440.
    - Water tightness rating: To CSA A440, using the screwdriver cylinder cam latch.
      - Model NGP, NGS Doors: B-1 rating.
      - Model NWR Doors: B-4 rating.
  - Structural Loads: Live load of 700 or 1400 kg/sq m (150 or 300 lb/sq ft).

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- **SUSTAINABILITY CRITERIA**
  - Products manufactured at Burnaby, BC factory.
- **SPECIAL WARRANTY**
  - Manufacturer's limited warranty of one to five years.

## PRODUCT PROPERTIES

- **MATERIALS**
  - Steel: ASTM A653/A653M, galvanized coated steel, ZF120 (A40) coating designation, with applied rust inhibitor.
  - Stainless Steel: Type 304 or 316.
  - Gasketing: Urethane, maximum compression set two percent (2%) at 23 degrees C (73 degrees F).
  - Insulation: Fiberglass, RSI-0.74 per 25 mm (R-4.2 per inch).
- **ACCESSORIES**
  - Cam Latch: 5 mm (3/16 inch) or 6 mm (1/4 inch) allen key operator.
  - Key operated cylinder cam lock with two (2) keys, keyed alike.
  - Handle: Non-locking, two position.
  - Preparation to accept a 29 mm (1.125 inch) mortise cylinder with 29 mm (1.125 inch) satin chrome 626 finish mortise cylinder, keyway X01 Schlage "C", keyed alike (KA43758) and factory installed. Frames and flanges: 1.5 mm (0.058 inch) steel.
- **DIMENSIONS**
  - Sizes: Generally in 50 mm (2 inch) increments. Some models have maximum sizes. Refer to model number literature for minimum, maximum, and standard sizes.
- **SHOP FABRICATION AND ASSEMBLY**
  - Wall and ceiling mounted door details; refer to Access Door Schedule - Non-Rated.
    - Exterior Flange Doors (standard):
      - Model NSM.
      - Model NSS.
      - Model NDL (double leaf).

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- Concealed Flange Doors:
  - In Gypsum Board on Studs: Model NDB. and Model NSL.
  - 
  - In Plaster on Metal Furring: Model NAP and NSK.
  - Fan coil access: Model NFC.
- Recessed Access Doors:
  - In Acoustic Tile: Model NAT.
  - In Gypsum Bead: Model NDI.
- Louvred Doors: Model NET.
- Air and Water Resistant Doors:
  - Model NGP.
  - Model NGS.
  - Model NWR.
- Security Doors: Galvannealed steel.
  - Model NSD.
  - Model NHS.
- Specialty Doors:
  - No inner frame: Model NFM.
  - Plenum door: Model NPL.
  - Removable panel: Model NRP, with safety chain.
  - Inward/Outward swinging panel: Model NUP.
- Panel: Galvannealed or stainless steel, 1.3 mm (18 gauge), 1.6 mm (16 gauge), and 1.9 mm (14 gauge), 2.7 mm (12 gauge) and 3.4 mm (10 gauge) thick, louvred, insulated, gasketed.
- Frame: Galvannealed or stainless steel, 1.3 mm (18 gauge), 1.6 mm (16 gauge), and 1.9 mm (14 gauge), 2.7 mm (12 gauge) and 3.4 mm (10 gauge) thick.
- Hinge: Continuous, with concealed rod or stainless steel piano hinge, allows door panel to open 175 degrees.
- Flanges:
  - Exterior: Galvannealed steel or stainless steel.
  - Gypsum: Gypsum bead, Galvannealed steel.
  - Plaster: Metal lath, Galvanized steel.
  - Concealed: Galvannealed steel.
- Weld, fill, and grind joints to ensure flush and square unit.
- FINISH
  - Galvannealed Doors: Primer, off-white colour.
  - Stainless Steel Doors: No. 4 polished, or No. 2b mill.

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### **PRODUCT PLACEMENT**

- **INSTALLATION**
  - Install frames plumb and level in opening. Secure rigidly in place.
  - Position unit to provide convenient access to concealed work requiring access.

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**PRODUCT SCHEDULE**

- ACCESS DOOR SCHEDULE - NON-RATED

<b>Wall and Ceiling Mounted Doors - Uninsulated</b>							
Model No.	Mounting	Material	Details	Panel Gauge	Frame Gauge	Flange Width	Notes
NSM	Exterior Flange	Galvannealed Steel		1.9 mm (14 ga)	1.6 mm (16 ga)	19 mm (3/4 inch) or 32 mm (1-1/4 inch)	
NSS	Exterior Flange	Stainless Steel No. 4		1.6 mm (16 ga) or 1.9 mm (14 ga)	1.3 mm (18 ga) or 1.6 mm (16 ga)	19 mm (3/4 inch) or 32 mm (1-1/4 inch)	
NDL	Exterior Flange	Galvannealed Steel	Double leaf panel	1.9 mm (14 ga)	1.9 mm (14 ga)	19 mm (3/4 inch) or 32 mm (1-1/4 inch)	
NDB	Gypsum Taping Bead	Galvannealed Steel		1.9 mm (14 ga)	1.6 mm (16 ga)	-	
NSL	Concealed Flange	Galvannealed Steel	High profile	1.9 mm (14 ga)	1.6 mm (16 ga)	-	
NAP	Plaster Flange	Galvannealed Steel		1.6 mm (16 ga)	1.6 mm (16 ga)	-	
NSK	Plaster Flange	Galvannealed Steel		1.9 mm (14 ga)	1.6 mm (16 ga)	-	
NFC	Concealed Flange	Galvannealed Steel	Fan coil access	1.9 mm (14 ga)	1.6 mm (16 ga)	-	
NAT	Recessed Flange	Galvannealed Steel	Recessed door	1.6 mm (16 ga)	1.6 mm (16 ga)	16 mm (5/8 inch)	
NDI	Gypsum Taping Bead	Galvannealed Steel	Recessed door	1.6 mm (16 ga)	1.6 mm (16 ga)	-	
NET	Exterior Flange	Galvannealed Steel	Louvred door / gasketed frame	1.6 mm (16 ga)	1.6 mm (16 ga)	32 mm (1-1/4 inch)	Note 1
NGP	Exterior Flange	Galvannealed Steel	Air / water resistant doors, Gasketed frame	1.6 mm (16 ga)	1.6 mm (16 ga)	19 mm (3/4 inch) or 32 mm (1-1/4 inch)	Note 2
NGS	Exterior Flange	Stainless Steel No. 4	Air / water resistant doors, Gasketed frame	1.6 mm (16 ga)	1.6 mm (16 ga)	19 mm (3/4 inch) or 32 mm (1-1/4 inch)	Note 2
NSD	Exterior Flange	Galvannealed Steel	Security door	2.7 mm (12 gauge)	2.7 mm (12 gauge), welded	32 mm (1-1/4 inch)	Note 3

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## PRODUCT SCHEDULE

<b>Wall and Ceiling Mounted Doors - Uninsulated</b>							
Model No.	Mounting	Material	Details	Panel Gauge	Frame Gauge	Flange Width	Notes
NHS	Exterior Flange	Galvannealed Steel	Security door	3.4 mm (10 ga)	3.4 mm (10 gauge), welded	50 mm (2 inch)	Note 4
NFM	Exterior Flange	Galvannealed Steel	Surface mount / no inner frame	1.6 mm (16 ga)	1.6 mm (16 ga)	25 mm (1 inch)	
NRP	Exterior Flange	Galvannealed or Stainless Steel	Removable panel, no hinge	1.6 mm (16 ga)	1.6 mm (16 ga)	19 mm (3/4 inch) or 32 mm (1-1/4 inch)	
NUP	Exterior Flange	Galvannealed Steel	Inward/outward swinging	1.6 mm (16 ga)	1.6 mm (16 ga)	22 mm (7/8 inch)	
<b>Wall and Ceiling Mounted Doors - Insulated</b>							
NWR	Exterior Flange	Galvannealed Steel	Air / water resistant doors, Gasketed frame	1.3 mm (18 ga)	1.3 mm (18 ga)	50 mm (2 inch)	Note 5
NPL	Exterior Flange	Galvannealed Steel	Plenum door	1.3 mm (18 ga)	1.3 mm (18 ga)	50 mm (2 inch)	Note 6
<p>Note 1: Meets CSA-A440-00 for Air Tightness rating of 0.69 m<sup>3</sup>/h-m<sup>2</sup> (136 cfm/ft<sup>2</sup>) for air infiltration and 0.83 m<sup>3</sup>/s-m<sup>2</sup> (164 cfm/ft<sup>2</sup>) for air exfiltration.</p> <p>Note 2: Meets CSA-A440 A3 (Air Infiltration), A3 (Air Exfiltration) and B1 (Water Tightness).</p> <p>Note 3: 28 mm (1-1/8 inch) mortise prep with mortise cylinder.</p> <p>Note 4: Deadbolt locks with a Schlage "C" keyway.</p> <p>Note 5: 1.3 mm (18 gauge) liner panel with 50 mm (2 inch) rigid fiberglass insulation; meets CSA-A440 A3 (Air Tightness) and B4 (Water Tightness).</p> <p>Note 6: 1.3 mm (18 gauge) liner panel with 50 mm (2 inch) rigid fiberglass insulation; meets CSA-A440 A3 (Air Tightness).</p>							

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**Technical Services Available**

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**Classification and Filing**

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Section 08 31 13 – Access Doors

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Section 08311 – Access Doors

**END**