THT-100 Full Height Turnstile (4-Section)

Full height security with tight control

Boon Edam's THT-100 turnstiles are ideal for high-security, sensitive areas, indoors or out. The four rotor sections allow only 90-degree of entry area. The smaller passage space helps eliminate "piggybacking" and property removal.

The THT-100 series of full security operated turnstiles are designed for applications where unsupervised security and access control are desired. Mechanism can be mechanical or self-centering and electrically operated. They can operate with one direction controlled and the opposite direction free or locked – or with both directions controlled.

The electronic control boards will interface with any access control device. Turnstiles can be supplied fail-safe, fail-lock or any combination to meet your specific requirements. Available in a variety of finishes so you can choose the model that suits your needs.

'Smaller passage helps eliminate piggybacking and theft'

Construction

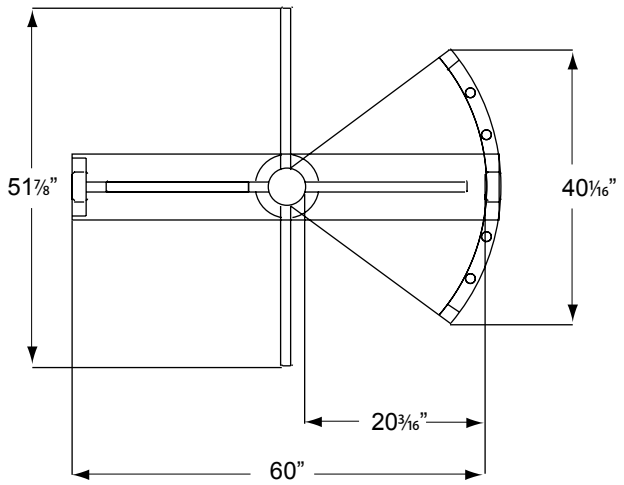
- Turnstiles consist of rotor assembly, shield assembly, barrier section, mechanism housing and ceiling plate
- Designed to withstand tough conditions, all materials used in fabrication meet ASTM standards
- Open construction shield assembly design eliminates "claustrophobic" effect and allows visual security
- Sealed top and bottom bearings ensure free and easy rotation, even in challenging environments; sealed-thrust type bottom bearing is waterproof, dust proof and self-lubricating
- Rotor assembly includes four rotor posts, each with 12 arms spaced 5⅛" apart (too close to allow "crawl-through")
- Standard self-centering feature automatically returns rotor assembly to home position after each pass, regardless of force used to pass through

Model	*Description*
THT-100	Mechanically operated
THT-100E	Electrically operated
THT-100C	Hot-dipped galvanized steel
THT-100CP	Powder coated steel
THT-100A	Anodized aluminum w/stainless steel arms
THT-100S	All stainless steel

Dimensions

Model	*Height*	*Width*	*Depth*	*Interior Height*	*Shipping Wt.*
THT-100	89"	60"	51⅞"	81"	700 lbs.
THT-100E	89"	60"	51⅞"	81"	750 lbs.

THT-100 FOUR ROTOR SECTION FOOTPRINT



Features & options

Characterics	*Std*	*Opt*
Fail-lock or Fail-safe [for electrical direction(s)]	•	
Free or Locked Exit [for mechanical direction]	•	
Pulse Relay	•	
Time-Out Relay	•	
Out-of-Use Lock		•
Rotation Detection Switch		•
Remote Pushbutton		•
Hydraulic Speed Control		•
Key Bypass*		•
Home Position Switch		•
Red & Green Indicator Lights		•
Heel Protectors		•
Card Reader Box		•
Custom Powder Coated Color (RAL ref) Choices		•
Complete Stainless Steel Construction		•
Rotor Covers		•

*Key Bypass is standard with a Fail Lock configuration.

Technical specifications

Power supply[1]	110 VAC (220 VAC optional), 50/60 Hz Converted to 24 Volt
Power consumption[1]	Less than 1 amp at 110 VAC
Working temperature	5°F to 110°F
Connection	The electrical full height turnstile communicates with most authorization systems using potential free contacts.

[1]Only for electrical models

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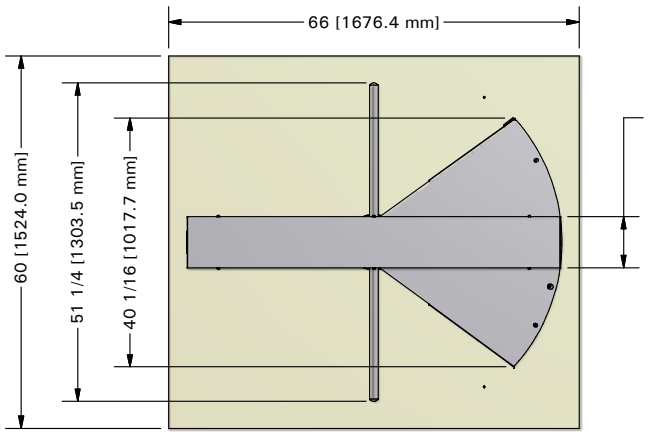
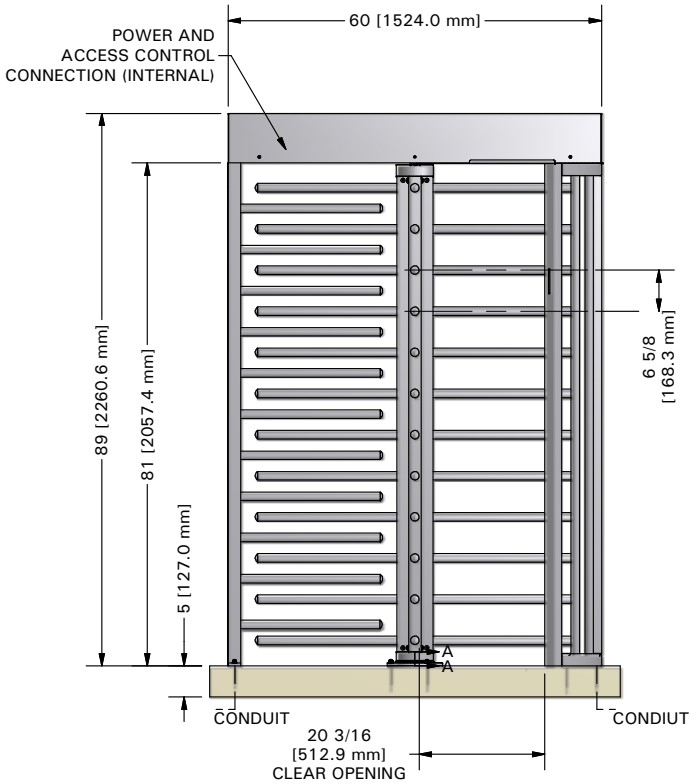
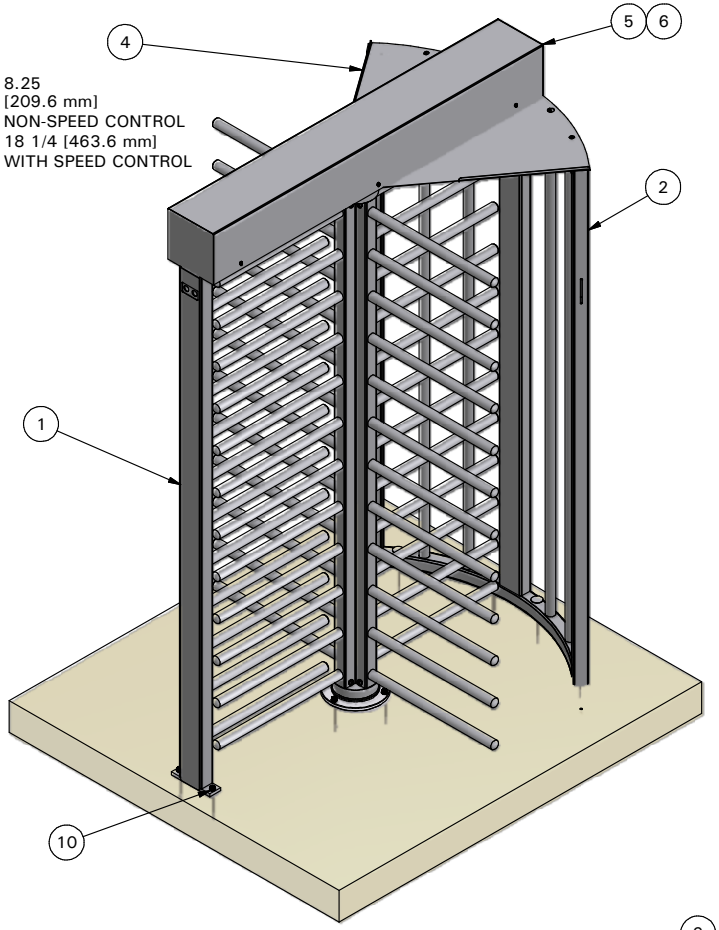
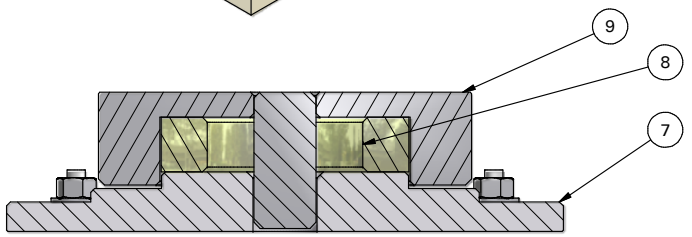
Security Access









SECTION A-A
BOTTOM BEARING / BASE PLATE
SCALE 1:2

GENERAL NOTES:

THT-100ES(4) = 1 DIRECTION ELECTRICALLY CONTROLLED.
THT-100ES2(4) = 2 DIRECTIONS ELECTRICALLY CONTROLLED.
THT-100S(4) = MECHANICAL UNIT.

STAINLESS STEEL CONSTRUCTION.

MINIMUM PAD SIZE SHOWN. MUST BE LEVEL WITHIN 1/4".

BRACE BARRIER POST AT TOP TO ADJACENT SURFACE.

ALLOW 8" [203MM] FOR REMOVAL OF LIFT-OFF COVER. ALTERNATE COVERS AVAILABLE.

ELECTRICAL NOTES:

POWER SERVICE OPTIONS:
1. 24 VDC
2. 110 VAC SINGLE PHASE
3. 220 VAC SINGLE PHASE 50/60HZ
4. 220 VAC DUAL PHASE 50/60HZ

15A MAINS SERVICE REQ'D

4 LOCATIONS AVAILABLE FOR CONDUIT ACCESS.

AUTHORIZATION, FIRE ALARM REQUIRES DRY CONTACT FROM ACCESS CONTROL.

CODED NOTES:

1. BARRIER ASSEMBLY, WELDED - STAINLESS STEEL
2. SHIELD ASSEMBLY, WELDED - STAINLESS STEEL
3. ROTOR ASSEMBLY, WELDED (4) - STAINLESS STEEL
4. CEILING PLATE - STAINLESS STEEL
5. MECHANISM CHANNEL - STAINLESS STEEL
6. CHANNEL COVER - STAINLESS STEEL
7. BASE PLATE - ANODIZED ALUMINUM
8. BOTTOM BEARING
9. BOTTOM FLANGE
10. ANCHOR BOLTS (9), PROVIDED)

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THT-100ES(4): FULL HEIGHT SECURITY TURNSTILE

Dwg #:
Customer:
Contractor:
Architect:
Project:
Job #:
Rev:
Rev Date: 11/16/2007 By: jpl

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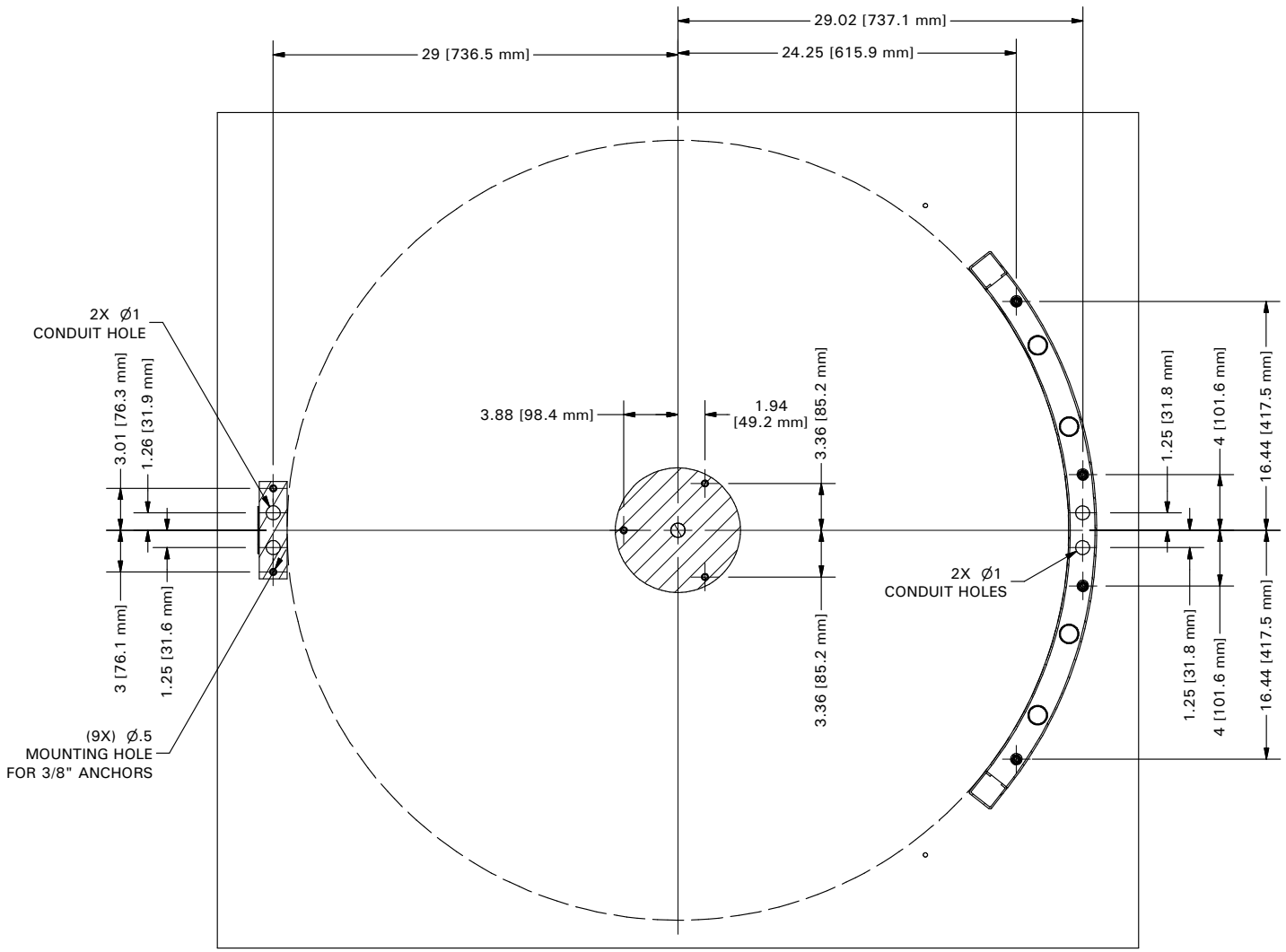

FOOTPRINT

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THT-100ES(4): FULL HEIGHT SECURITY TURNSTILE

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