General Contractors

Tormax iMotion ®
TN 110 In-Floor Swing Door Operator

Installation/Facilitation Guidelines

Center Pivot Application
Right Hand Operator w/Surface Mounted Box

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DOOR FABRICATION DETAILS

NOTES:
(1) ** ** - INDICATES COMPONENT IS JOB SPECIFIC OR OPTIONAL

110 VAC
15 AMPS MIN
50-60 HZ

*FUNCTION CONTROL PANEL*

RIGHT-HAND CENTER PIVOT
**NOTES:**
(1) * * * INDICATES JOB SPECIFIC DIMENSION.
(2) DIMENSIONS AS SHOWN ARE TYPICAL. ENGINEERED SOLUTIONS AVAILABLE.

DRILL & TAP M8X1.25, 1" (5 PLACES) OR INSTALL 5X THREADED INSERT WITH M8X1.25 THREADS

**SCALES FOR CLARITY**

**FINISHED FLOOR**

**OFFSET TBD**

**DOOR THK TBD**

**VIEW: DOOR BOTTOM**

**SECTION A-A**
ELECTRICAL DETAILS

NOTES:

(1) "* * *" - INDICATES COMPONENT IS JOB SPECIFIC OR OPTIONAL
ELECTRICAL DETAILS

NOTES:
1. "* *" INDICATES JOB SPECIFIC. CONSULT GC FOR FURTHER DETAILS.
2. REF NEXT PAGE (ELECTRICAL DETAILS, SHT 3) FOR WIRING DETAILS.
3. REF TN110 OPERATION MANUAL (P/N: US801461) FOR ADDITIONAL INFORMATION.
4. INSTALLATION AND WIRING PRACTICES MUST COMPLY WITH LOCAL CODES.

KEY

- ACCESSIBLE HOLE FOR WIRING
- NOT ACCESSIBLE

TN110 CONTROL BOX

110V AC (IN)
10 AMPS

24V DC TO ACT. SWITCHES

"FUNCTION CONTROL PANEL"

LINBUS CABLE 75'-0"
SUPPLIED BY TORMAX

"JB"

Ø MAX. 1-5/16"

"JB"

Ø MIN. 15/16"

ENCODER CABLE

MOTOR CABLE

TO TN110 OPERATOR

TORMAX USA Inc.
PIT PREPARATION DETAILS

NOTES:

(1) "* * *" - INDICATES COMPONENT IS JOB SPECIFIC OR OPTIONAL
PIT PREPARATION DETAILS

NOTES:
(1) ENSURE PROVISIONS FOR WEEP DRAIN AND ELECTRICAL WIRING HAVE BEEN MADE PRIOR TO FILLING THE PIT WITH MORTAR.
(2) WEEP DRAIN MUST BE INSTALLED OR MANUFACTURER'S WARRANTY WILL BE VOID.
(3) WEEP DRAIN HARDWARE TO BE PROVIDED BY GC. WEEP DRAIN INSTALLATION & LOCATION OF TERMINATION MUST COMPLY WITH CITY AND/OR STATE CODES.

**  JOB SPECIFIC DIMENSION

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** BOX / OPERATOR LOCATION TOLERANCES**

| 3 13/16 | ± 3/8" (+3/8", -0") |
| 2 13/16 | ± 5/8" |
| 15 3/8 | ± 1/2" |
| 11 9/16 | ± 7/8" |
| 4 1/2 | ± 5/8" |

** PIT DIMENSIONS **

19-3/4"L x 17-3/4"W x 5-1/2"D

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** KEY**

- FINISHED FLOOR
- POSSIBLE WEEP DRAIN
- OPERATOR SHAFT

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** EXPLANATION**

- **PIT PREPARATION DETAILS**

  - **NOTES:**
    - Ensure provisions for weep drain and electrical wiring have been made prior to filling the pit with mortar.
    - Weep drain must be installed or manufacturer's warranty will be void.
    - Weep drain hardware to be provided by GC. Weep drain installation & location of termination must comply with city and/or state codes.

  ****  Job Specific Dimension

  **BOX / OPERATOR LOCATION TOLERANCES**

  - 3 13/16 ± 3/8" (+3/8", -0")
  - 2 13/16 ± 5/8"
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- **NOTES:**
  - Ensure provisions for weep drain and electrical wiring have been made prior to filling the pit with mortar.
  - Weep drain must be installed or manufacturer's warranty will be void.
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  ****  Job Specific Dimension

  **ALIGN TOP OF BOX EVEN WITH FINISHED FLOOR**

  **COVER ANY UNUSED HOLES PRIOR TO POURING MORTAR**

  **INSTALL WEEP DRAIN IN EITHER HOLE**

  **SECURE BOX TO FLOOR (HARDWARE BY OTHERS)**

  **NOTE:**
  - Weep drain must be installed or manufacturer's warranty will be void.