General Contractors

Tormax iMotion ®
TN 110 In-Floor Swing Door Operator

Installation/Facilitation Guidelines

Center Pivot Application
Left Hand Operator w/Flush 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*

*JB*  *JB*

CONTROL BOX

BOX

JAMB

OPERATOR

FLUSH MOUNT (TERRAZZO) COVER

TN OPERATOR ARM

DOOR

1.0

LEFT-HAND CENTER PIVOT

PIT

TORMAX USA Inc.
DOOR FABRICATION DETAILS

NOTES:
(1) "* *" INDICATES JOB SPECIFIC DIMENSION.
(2) DIMENSIONS AS SHOWN ARE TYPICAL. ENGINEERED SOLUTIONS AVAILABLE.

iMotion® TN 110 IN-FLOOR SWING DOOR OPERATOR
WITH FLUSH MOUNTED FLOOR BOX
LEFT-HAND OPERATOR WITH CENTER PIVOT APPLICATION

SCALED FOR CLARITY

VIEW: DOOR BOTTOM

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

FINISHED FLOOR

OFFSET "TBD"

"DOOR THK TBD"

"OFFSET TBD"

Finished Floor

SHEET 2 OF 7

TORMAX USA Inc.
ELECTRICAL DETAILS

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

110 VAC
15 AMPS MIN
50-60 HZ

*iMotion® TN 110 IN-FLOOR SWING DOOR OPERATOR WITH FLUSH MOUNTED FLOOR BOX
LEFT-HAND OPERATOR WITH CENTER PIVOT APPLICATION SHEET 3 OF 7

TORMAX USA Inc.
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

*FUNCTION CONTROL PANEL*

LINBUS CABLE 75'-0"
SUPPLIED BY TORMAX

TN110 CONTROL BOX

110V AC (IN)
10 AMPS

24V DC
TO ACT. SWITCHES

*JB* +

Ø MAX. 1-5/16"
Ø MIN. 15/16"

*JB* -

ENCODER CABLE

MOTOR CABLE

TO TN110 OPERATOR

TORMAX USA Inc.
PIT PREPARATION DETAILS

NOTES:
(1) "* * *" - INDICATES COMPONENT IS JOB SPECIFIC OR OPTIONAL
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.
* DIMENSION AS REFERENCED TO EDGE OF BOX WITHOUT TERAZZO COVER
** JOB SPECIFIC DIMENSION

** TORMAX USA Inc.**