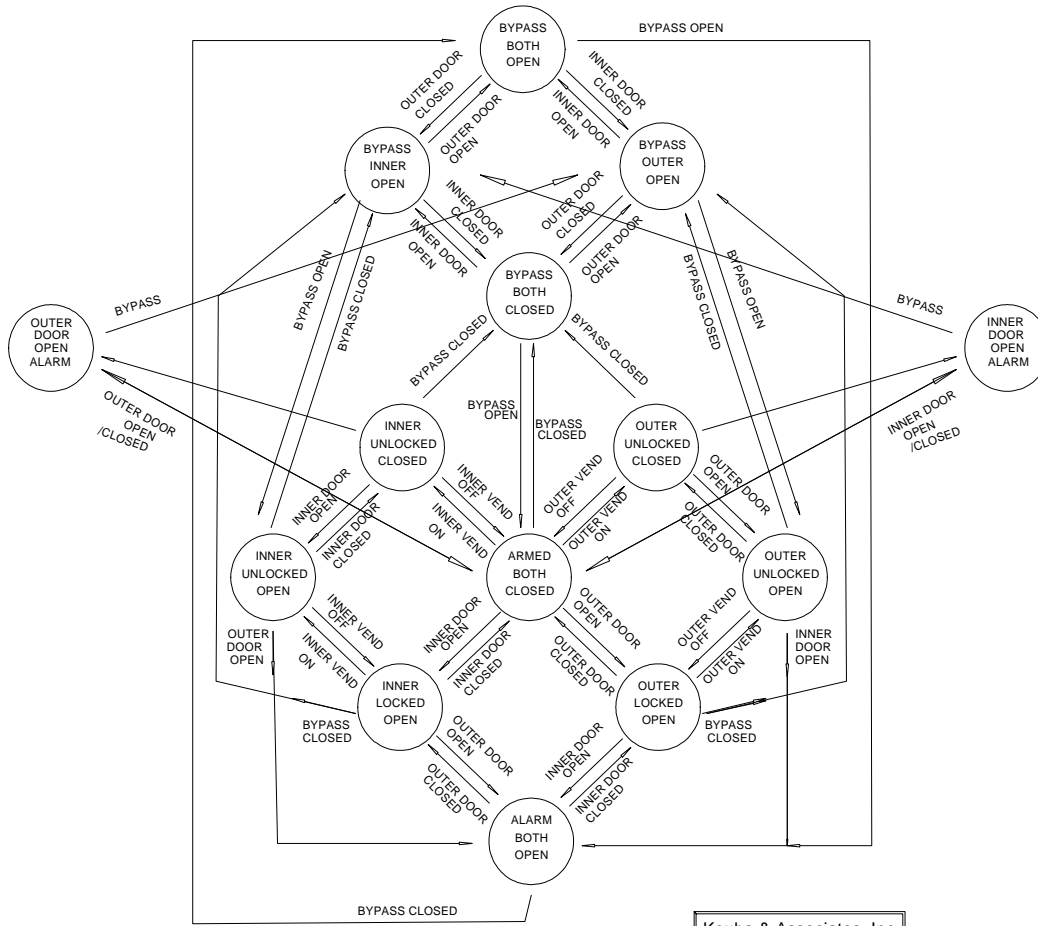


Mantrap State Diagram



NOTES:

1. THE STATE OF OPERATION OF THE MANTRAP IS DEFINED BY THE TEXT IN THE CIRCLES.
2. STATES CHANGE WITH INPUT ACTIVITY INPUT CHANGES ARE NOTED WITH ARROWS
3. INNER VEND INPUT IS IGNORED WHILE OUTER DOOR IS OPEN OR OUTER VEND IS ACTIVE.
4. OUTER VEND INPUT IS IGNORED WHILE INNER DOOR IS OPEN OR INNER VEND IS ACTIVE.
5. BOTH VENDS ARE ENABLED WHILE BYPASS IS ACTIVE.
6. DOOR INPUT SUPERVISION FAULT ACTIVATES SUPERVISION ALARM RELAY.
7. INTERLOCK ALARM RELAY IS ACTIVATED IF OUTER DOOR IS OPENED WHILE INNER VEND IS ACTIVE.
8. INTERLOCK ALARM RELAY IS ACTIVATED IF INNER DOOR IS OPENED WHILE OUTER VEND IS ACTIVE.
9. ON MANTRAPS USING OVERHEAD DOORS AND INNER MAN DOORS, EITHER INNER DOOR VEND OR OPEN CAUSES A STATE CHANGE, AND BOTH INNER DOORS MUST BE CLOSED AND LOCKED BEFORE THE OUTER DOOR CAN BE UNLOCKED AND OPENED.

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