

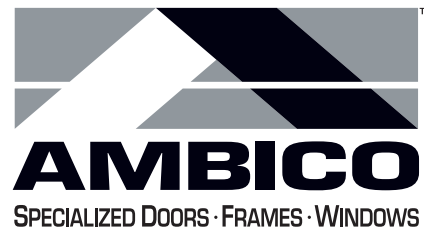
ANTI-BARRICADE SECURITY WOOD DOORS & STEEL FRAMES

The designers of behavioral health facilities have long searched for wood door solutions for high risk areas such as patient rooms. The traditional solid core wood door solutions have not proven robust enough for these types of openings. As a result, AMBICO was contacted by the facility architects and asked to develop a suitable solution: a door that leverages a proprietary steel structural door core encased in hardwood door edges and finished with two-ply veneer and backer faces. The result is a door that has the strength of steel, but with the soft decorative finish of wood.

- AMBICO's Anti-Barricade Security Wood Door & Steel Frame Assembly has been fully tested and approved for use by the New York State Office of Mental Health and included in their *Patient Safety Standards, Materials and Systems Guidelines* document



- The steel frames have been uniquely developed with the option to utilize a swing clear stop, allowing the door to swing in either direction for safety and security
- Assemblies are furnished by the door manufacturer with a super heavy-duty double acting continuous hinge and an anti-barricade wood swing stop system
- Assemblies can be furnished with any available veneer species and they can be custom factory stained, clear coat or prime painted for custom paint finish



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AMBICO follows the strategies outlined in number 4 indicated by the chart below

ANTI-BARRICADE STRATEGIES AT PATIENT ROOMS AND BATHROOMS							
ANTI-BARRICADE STRATEGIES	DESCRIPTION	DOOR TYPE	RELATIVE COST	REVERSABILITY	FIRE/SMOKE RATABLE	ACOUSTIC & VISUAL PRIVACY	COMMENTS
1. Standard Inswinging Door Non-Mechanical Means Destructive Removal	Use Jaws of Life, wrecking bar or other method to remove door.	ALL TYPES	LOW	NO	YES/YES	YES/YES	Risk of injury. Requires stock replacement doors and significant labor.
2. Outswinging Doors	Door can be opened from outside room. However, it may compromise path of egress.	ALL TYPES	LOW	YES	YES/YES	YES/YES with edge strip NO/NO without	Risk of injury. Requires wide corridors or deep niches at entries with risk of reduced visibility. Not recommended.
3. Double Swinging (DS) Doors with Rescue Stop	Typical. Anyone can override stop to gain access.	ALL TYPES	MEDIUM	YES	NO/YES	YES/YES	Privacy mitigation required. Provide compressible material at strike edge. Pay attention to NFPA tolerances for fire and smoke rating. Consider multiple stops.
4. Double Swinging (DS) Doors with Removable Stop	Provide removable stops fixed to frame with tamper-resistant fasteners.	ALL TYPES	LOW	YES	NO/YES	YES/YES	Requires removal of stops to open door into corridor.
5. Inswinging Door with Removable Frame or Split Frame	Door and split frame can be detached from outside room.	ALL TYPES	MEDIUM	YES	POSSIBLE	YES/YES	Research needed to develop and test prototype.
6. Door within a Door (Wicket) with Concealed Hinges	Allows secondary access through inset wicket door.	WOOD	HIGH	YES	NO/YES	YES/YES	Non-normative. Meets smoke requirements but may not meet fire ratings due to its design.
7. Secondary Door in Sidelite Frame	Provide secondary access through door in sidelite frame.	ALL TYPES	HIGH	YES	YES/YES	YES/YES	Requires outswinging door in adjacent sidelite opening in hollow metal frame.
8. Double Leaf Door with Inactive Leaf	Recessed throw bolts; top and bottom, activator on corridor face of door.	ALL TYPES	HIGH	YES	YES/YES	YES/YES	Provide keyed bolts at top and bottom of inactive leaf. Privacy mitigation required. Provide compressible material at strike edge. Pay attention to NFPA tolerances for fire and smoke rating. Reinforce bottom of active rescue leaf at recessed floor bolt.
9. Outswinging or Double Swinging Bathroom Door with Roller Latch	Recessed pull with roller latch strike.	ALL TYPES	MEDIUM	YES	NO/NO	YES/YES	Ensuite Bathrooms. Equip with ligature resistant institutional privacy function.
10. Sentinel Event Reduction (SER) Partition Door	Expanded PVC collapsible top partition with continuous hinge and flexible rubber flap.	PVC	LOW	YES	NO/NO	NO/NO	Ensuite Bathrooms.



Source: New York State Office of Mental Health *Patient Safety Standards, Materials and Systems Guidelines*

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