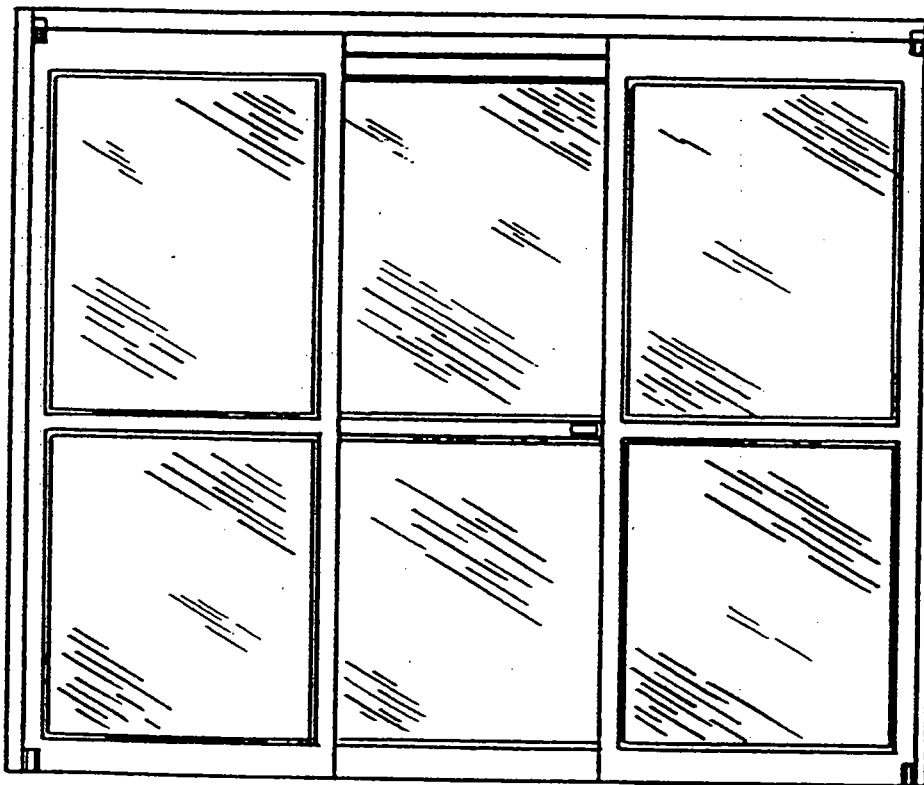


MANUAL ICU/CCU

Sliding Door System



MANUAL ICU/CCU INSTALLATION PROCEDURES
(Reference Drawing 20068)

Key:

FF	= Finish Floor	OFW	= Overall Frame Width
MOH	= Masonry Opening Height	CDO	= Clear Door Opening
MOW	= Masonry Opening Width	AL	= Active Sliding Leaf
OFH	= Overall Frame Height	SL	= Swinging Side Lite

Tools: Standard hand and power tools.

Preliminary Checks

- Establish package type and hand.
 - 2 panel - see drawing ICU1-9104 (L.H. shown)
 - 3 panel - see drawing ICU2-9104
 - 4 panel - see drawing ICU3-9104
- Establish door sill system and prepare as necessary.
 - Surface - see Section 3 of ICU drawing.
 - Trackless - see Section 6 of ICU drawing.
 - Recessed - see Section 5 of ICU drawing.
- Establish emergency breakaway direction. All drawings show breakaway direction into room. For breakaway into corridor, the total package must be rotated 180 degrees. Pay special attention to ICU1 packages since handling is affected by emergency breakout direction requirements.
- Establish finished floor height if not installed.
- Check fit of OFH and OFW to the MOH and MOW. NOTE: MOH must always be measured from the highest point of the FF.

Assembly Steps

- On flat level surface, install female portion (3) of offset pivot into header (1). Install optional anti-static (grounding) kit (4).
- Install R.H. and L.H. vertical jambs (30) to header (1) with 1 ½ TEK screws (screw gun required).
- Install closure pieces (31) into the back of each jamb (30).
- Drill and countersink an adequate amount of anchoring holes through each jamb and inside header assembly.

Anti-Static Kit (Optional)

NOTE: Kit required in high explosive environments.

- Connect electrical grounding wire to grounding lug (13) (23) located in housing (1).
- Adjust spring loaded carbon brush to that it is in constant contact with housing (1).
- Remove the anodized/painted surface (non-conductive) where the carbon brush contacts the housing (1).
- Test with meter the electrical continuity between grounding lug (23) and any unanodized/unpainted surface of the AL.

Completion

- Check all aspects of ICU/CCU package.
- AL doors should operate smoothly but with enough friction (anti-rise rollers (11)) to keep them in control by the user.
- Explain and demonstrate all features of the ICU/CCU sliding door packages to the user.

- Install frame into opening shim, level, plumb and anchor. NOTE: Header must be secured since it's not self-supporting.
- Run electrical ground wire and secure to header grounding lug (13) (23).

Side Lite Installation

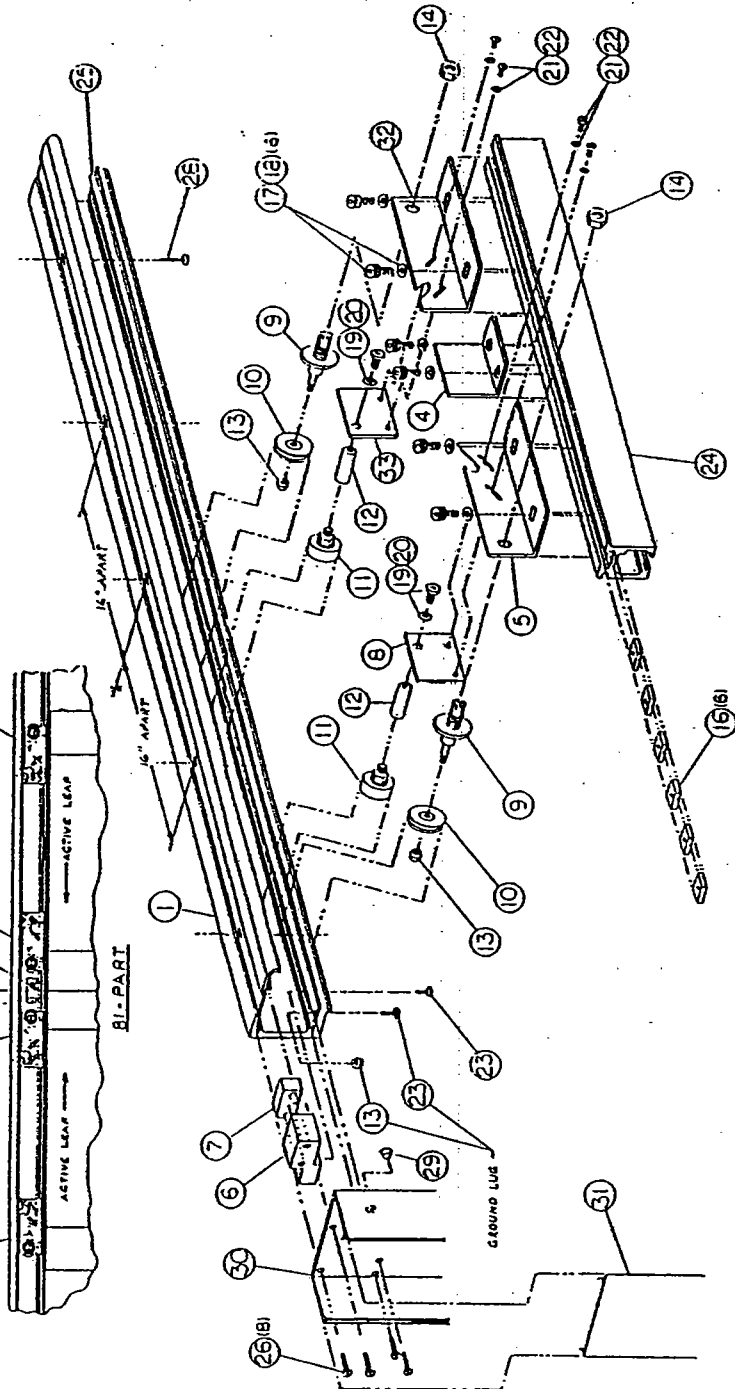
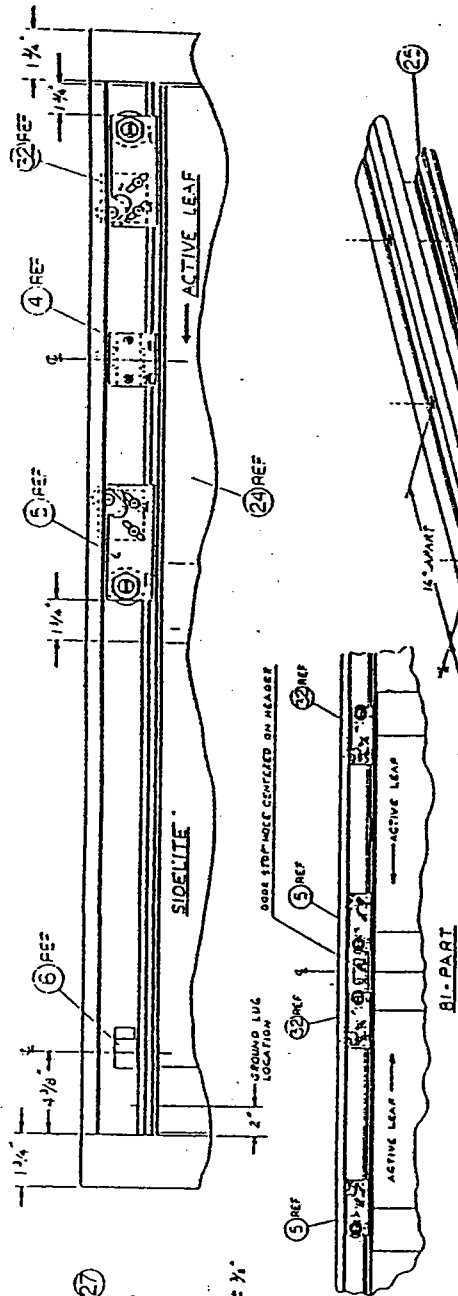
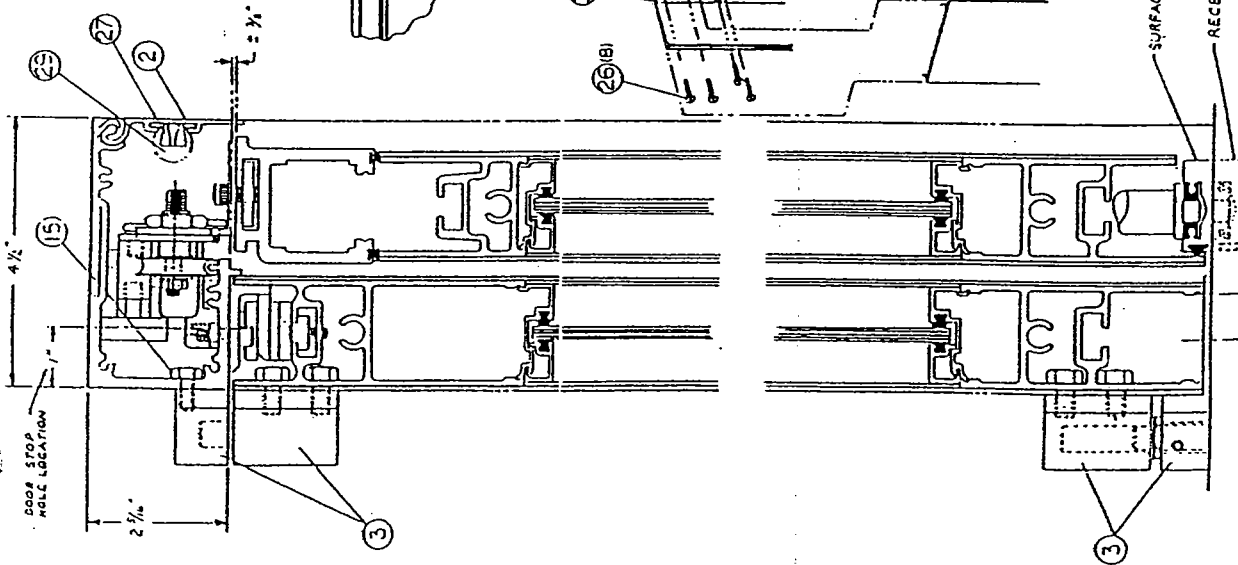
- Install floor portion of offset pivot (3). Locate by plumbing down from the female portion on header (1).
- Install both upper and lower portion (3) of SL offset pivots and hang SL.
- Adjust SL height with adjustable floor portion pivot stud (3) and secure with Allen set screw. Repeat for each SL.
- Align and adjust SL ballcatch for proper (egress code) release force.

Active Leaf Installation

- Insert the square torsion bar of the AL into the back of the appropriate door carrier (roller guides must be inserted first into the notched SL on a trackless system. Also special pivot plate see drawing A20070 must be installed.)
- Align AL with its door carrier (24). Install the breakout ballcatch into the door carrier (24) and align with AL portion.
- Adjust sag control (door glazed) Allen bolts.
- Adjust AL ballcatch for proper (egress code) release force.
- Place guide track under AL, release pin guide and plumb AL.
- Secure guide track to floor.
- Adjust door height(s) with eccentric carriage wheels (9) and also anti-rise rollers (11).
- Test both AL and SL for proper function.
- Adjust AL door stop (6) to eliminate finger pinch point in glass line between AL and SL when fully open.

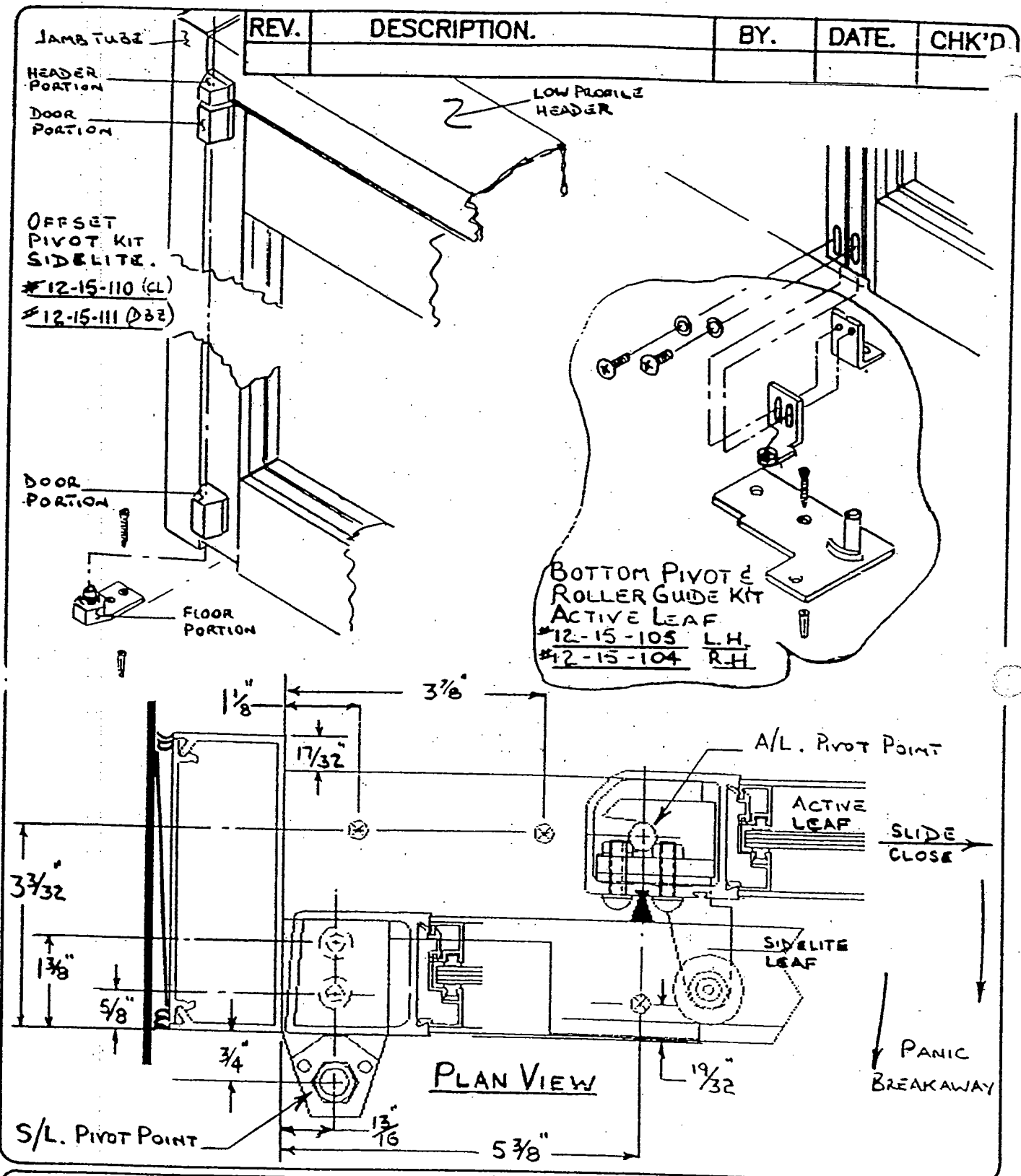
ICU/CCU HEADER ASSEMBLY / DWG D20068

ITEM #	QTY	PART NUMBER	DESCRIPTION
1	A/R	12-01-006	HEADER
2	A/R	12-01-012	COVER
3	1	12-15-110/111	KIT, OFFSET PIVOT SET, CLR/BRZ
4	1	12-15-007	KIT, ICU ANTI-STATIC
5	1	12-03-014	MOUNTING ANGLE, WHEEL & ROLLER, L.S.
6	1	12-04-109	STOP, DOOR
7	1	16-20-106	RUBBER, DOOR STOP
8	1	12-03-015	MOUNTING PLATE, ROLLER, L.S.
9	2	12-03-013	ECCENTRIC
10	2	12-08-001	ROLLERS, WHEEL
11	2	50-08-8805	ASSEMBLY, SEALED BEARING
12	2	12-09-206	STANDOFF, 5/16-24 & 1/4-20 X 1" LG
13	3	18-09-006	LOCKNUT, M6
14	2	12-09-205	NUT, M12 HEX
15	2	50-09-106	SCREW, 1/4-20 X 1/2 SHCS
16	6	65-09-001	NUT, M6 SLIP
17	6	50-09-228	SCREW, M6 X 14, SHCS
18	6	19-09-004	WASHER, FLAT M6
19	2	50-09-146	WASHER, LOCK, 5/16
20	2	32-09-228	SCREW, 1/4-20 X 3/8" LG. PHMS
21	6	11-09-215	SCREW, M4 X 12 PH. HD. PHMS
22	6	12-09-204	WASHER, LOCK, M4
23	2	50-09-150	SCREW, M6 X 10 FHSC
24	A/R	19-01-007	CARRIER, PANIC
25	A/R	12-21-001	EXTRUSION, TRACK
26	8	53-09-002	SCREW, 10-16 X 1-1/2" PH. HD. TEK
27	2	19-04-004	LOCK, COVER
28	A/R	50-09-145	SCREW, #12 X 1-1/2" PH. FL. HD.
29	2	75-20-104	BUSHING, SNAP, HEYCO #2053/SB-500
30	A/R	50-01-215	TUBE, JAMB, ICU/CCU
31	A/R	60-01-002	COVER, SNAP ON
32	1	12-03-016	MOUNTING ANGLE, WHEEL & ROLLER, R.S.
33	1	12-03-017	MOUNTING PLATE, ROLLER, R.S.



ICU/CCU HEADER INSTALLATION		3-8-91
		020068

SURFACE MOUNT
RECESSED



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Automated Entrance Systems, Inc.

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 Hightstown, NJ 08520 USA
 800-872-9290

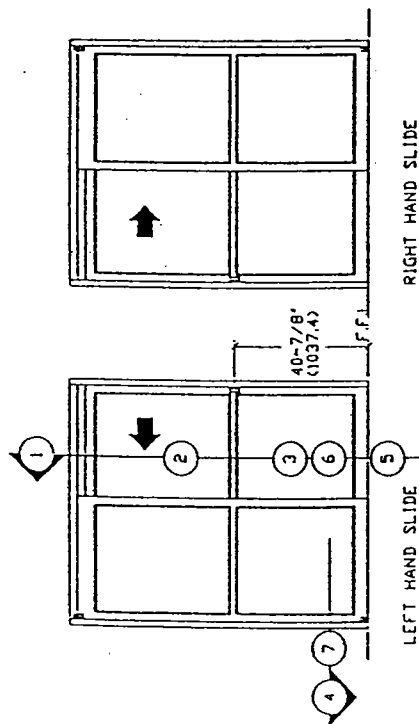
TITLE OFFSET PIVOT-SIDELITE.
INSTALLATION TRACKLESS ICU/CCU.

DATE.
 5-3-91

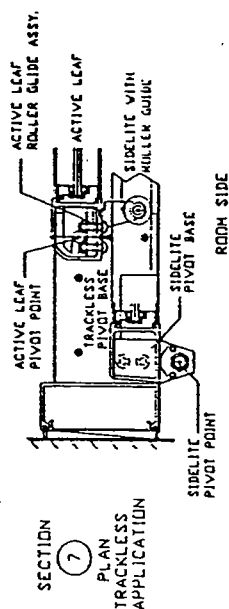
DRAWN BY.
 CJM/C

DRAWING/INVENTORY No.
 A20070

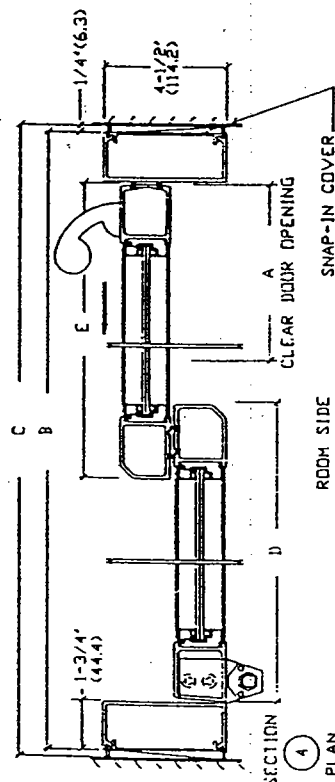
MANUAL ICU/CCU
FULL BREAKOUT
TWO PANEL SLIDING DOOR SYSTEM



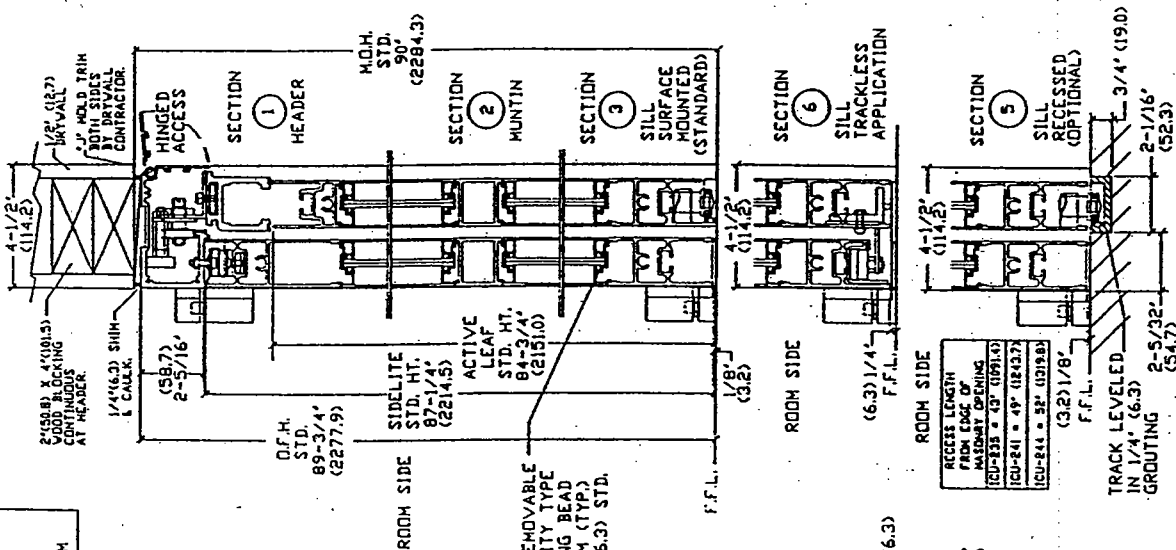
ELEVATION ROOM SIDE



ROOM SIDE



ROOM SIDE

 α

3D SIDE

TRACK LEVELED

NOTE:

THE STANDARD PACKAGE CONSISTS OF:
 THE HEADER, FRAME, NARROW STILE DOORCS) & SIDELITE(S),
 MOUNTING PULL HANDLE(S), RECESSED FINGER PULL(S),
 GLASS STOPS FOR 1/4" - 16J) TEMPERED GLASS, GUIDE TRACK,
 EMERGENCY BREAKAWAY & VERTICAL WEATHERSTRIPPING.
 STANDARD FINISH:

DARK BRONZE - AA-C23-A44 ,

• ICY-22-V - RVT77
SPECIAL FINISHES ARE AVAILABLE.

NOTE: DRAWING IS DIMENSIONED IN BOTH ENGLISH AND METRIC.
REF. AS FOLLOWS: 1"(25.4), ALL METRIC SIZES ARE MILLIMETERS.

MODEL No.	CLEAR DOOR OPENING	OVERALL FRAME WIDTH	WHEELS (mm)	FIXED WHEEL WIDTH	CEILING HEIGHT
ICU-235	35 1/4"	84 1/2"	84 1/2"	41 1/2"	41 1/2"
ICU-241	41 1/4"	92 1/2"	92 1/2"	47 1/2"	47 1/2"
ICU-244	41 3/4"	92 3/4"	92 3/4"	47 1/2"	47 1/2"
KEY	6'-5 1/2" (196.5)	6'-2 1/2" (192.7)	6'-2 1/2" (192.7)	6'-2 1/2" (192.7)	6'-2 1/2" (192.7)

STD. MASONRY OPENING HEIGHT (M.O.H.) 90" (2284.3).

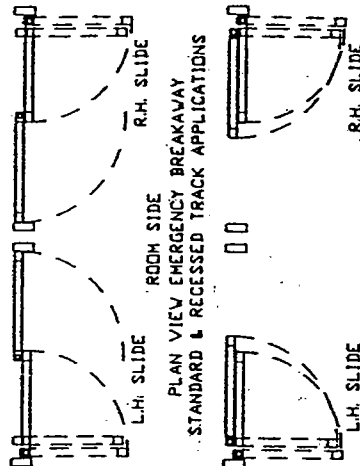
STD. OVERALL FRAME HEIGHT (D.F.H.) 89-3/4" (2277.9),

STB. DOOR HEIGHT ACTIVE CLIP, OFH - 5' (126.9) = 84-3/4" (2161.0),
STB. DOOR HEIGHT SIDECLIP, OFH - 2-1/2' (63.5) = 87-1/4" (2214.5),

TRACKLESS UNITS

STBD. DOOR HEIGHT SIDEWALK, DFM - 2-5/8" (66.5) = 07-1/8" (221.3).
STBD. DOOR HEIGHT ACTIVE LEAF, DFM - 3-1/8" (138.1) = 04-5/8" (214.9)

CONSULT FACTORY FOR ALL CUSTOM CONFIGURATION SIZES.



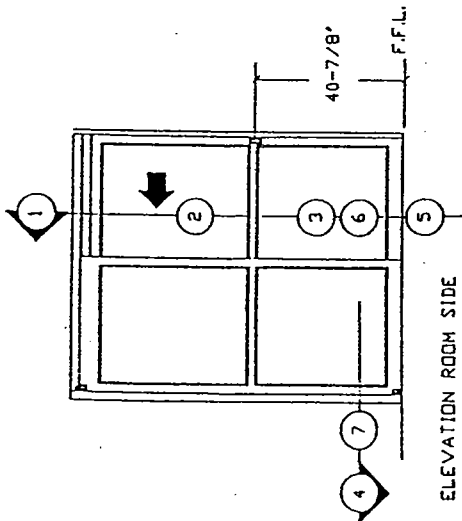
PLAN VIEW EMERGENCY BREAKAWAY

PLAN VIEW EMERGENCY BREAKAWAY TRACKLESS APPLICATIONS

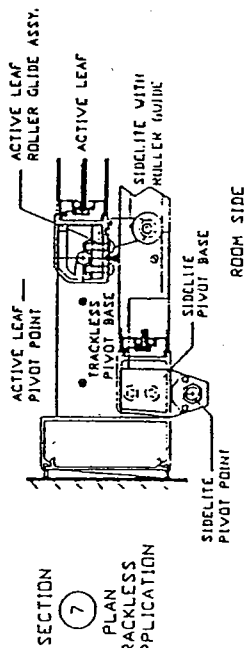
ICU1-9301

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Automated Entrance Systems, Inc.

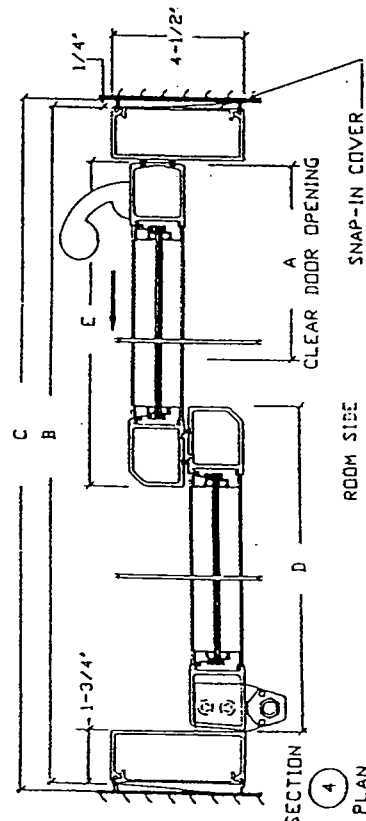
MANUAL ICU/CCU
FULL BREAKOUT
TWO PANEL SLIDING DOOR SYSTEM



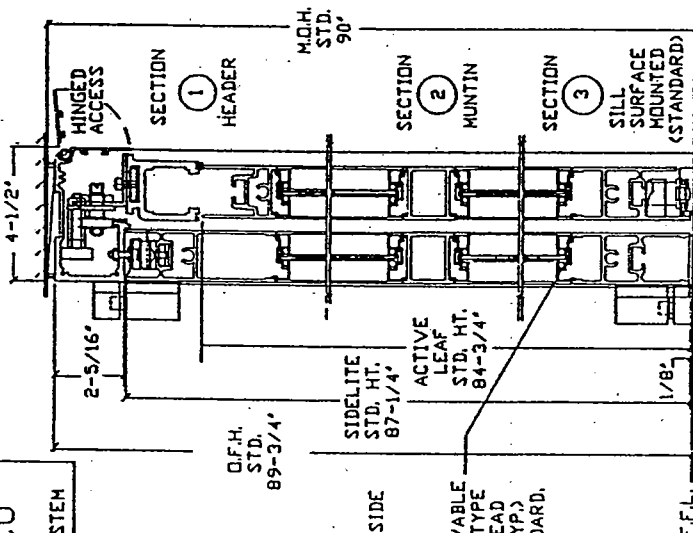
ELEVATION ROOM SIDE



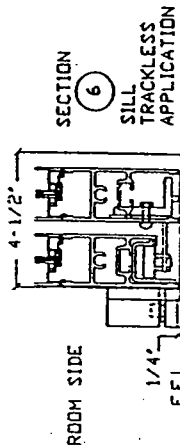
SECTION 7
PLAN
TRACKLESS
APPLICATION



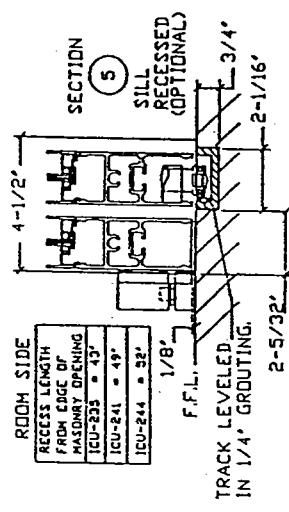
SECTION 4
PLAN



NON REMOVABLE
SECURITY TYPE
GLAZING BEAD
SYSTEM (TYP)
1/4" STANDARD.



SECTION 6
SILL
TRACKLESS
APPLICATION



ROOM SIDE

RECESS LENGTH FROM EDGE OF MASONRY OPENING
ICU-235 = 43"
ICU-241 = 49"
ICU-244 = 32"

SECTION 5
SILL
RECESSED
(OPTIONAL)

NOTE:

THE STANDARD PACKAGE CONSISTS OF:
THE HEADER, FRAME, NARROW STYLE DOORS(S) & SIDELITES(S),
MUNTINS, PULL HANDLES, RECESSED FINGER PULLS(S),
GLASS STOPS FOR 1/4" TEMPERED GLASS GUIDE TRACK,
EMERGENCY BREAKAWAY & VERTICAL WEATHERSTRIPPING.

STANDARD FINISH

DARK BRONZE - AA-C23-A44.

CLEAR - AA-C23-A31.

SPECIAL FINISHES ARE AVAILABLE.

MODEL No.	CLEAR DOOR OPENING WIDTH A	OVERALL FRAME WIDTH B	MASONRY OPENING WIDTH C	SIDELITE LEAF WIDTH D	ACTIVE LEAF WIDTH E
ICU-235	35 1/4"	84"	84 1/2"	41 1/2"	41 1/2"
ICU-241	41 1/4"	96"	96 1/2"	47 1/2"	47 1/2"
ICU-244	44 1/4"	102"	102 1/2"	50 1/2"	50 1/2"
KEY	(B/2) + 6 3/4" (C-1/2")	(B+1/2")	(B/2) + 1/2"	D	D

STD. MASONRY OPENING HEIGHT (HOLD) 90".

STD. OVERALL FRAME HEIGHT (OFH) 89-3/4".

STD. DOOR HEIGHT ACTIVE LEAF (OFH - 3") 84 3/4".

STD. DOOR HEIGHT SIDELITE (OFH - 2 1/2") 87 1/4".

TRACKLESS UNITS

STD. DOOR HEIGHT ACTIVE LEAF (OFH - 3 1/8") 84 3/8".

STD. DOOR HEIGHT SIDELITE (OFH - 2 5/8") 87 1/8".

CONSULT FACTORY FOR ALL CUSTOM CONFIGURATION SIZE.



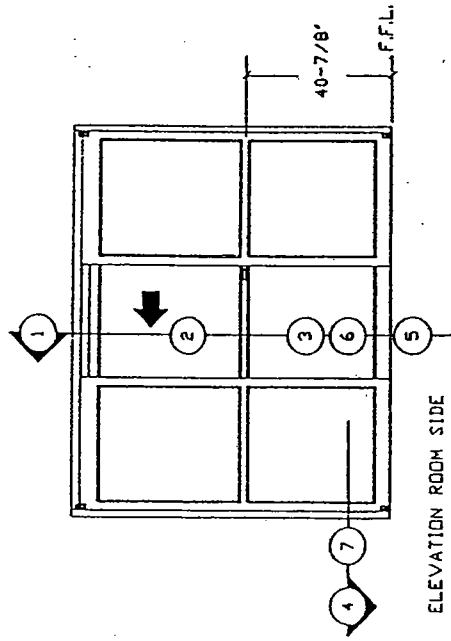
ROOM SIDE
PLAN VIEW EMERGENCY BREAKAWAY
STANDARD & RECESSED TRACK APPLICATIONS



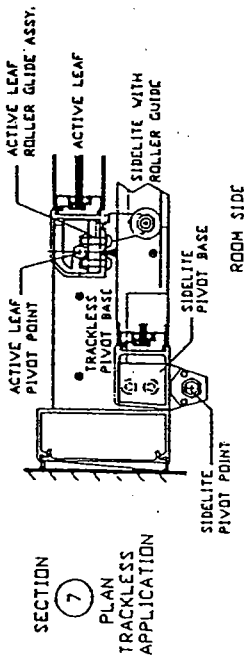
ROOM SIDE
PLAN VIEW EMERGENCY BREAKAWAY
TRACKLESS APPLICATIONS

ICUI-9104

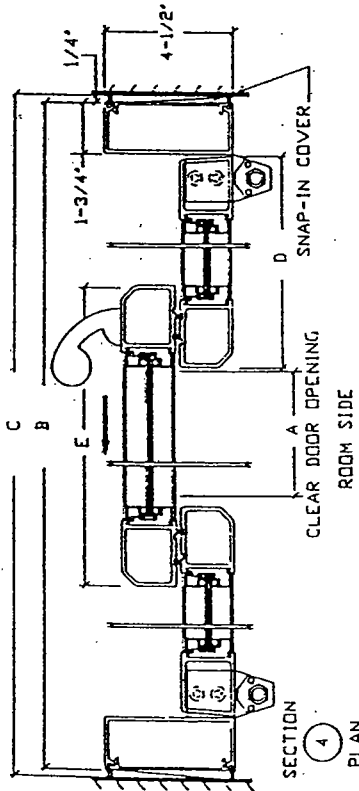
**MANUAL ICU/CCU
FULL BREAKOUT
THREE PANEL SLIDING DOOR SYSTEM**



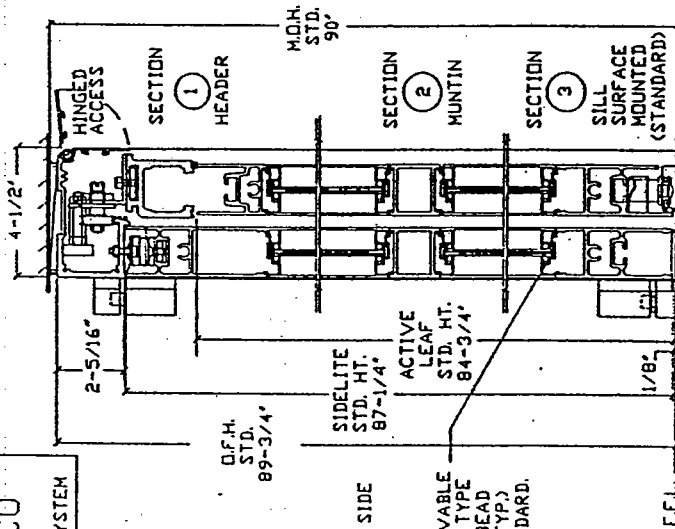
ELEVATION ROOM SIDE



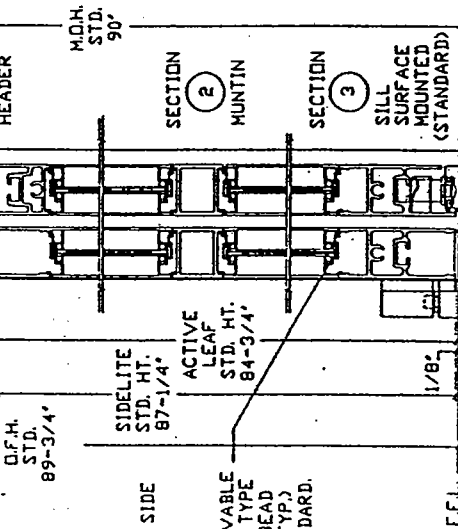
SECTION 7
PLAN
TRACKLESS APPLICATION



SECTION 4
PLAN
CLEAR DOOR OPENING

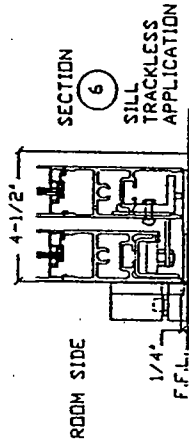


SECTION 1
HEADER

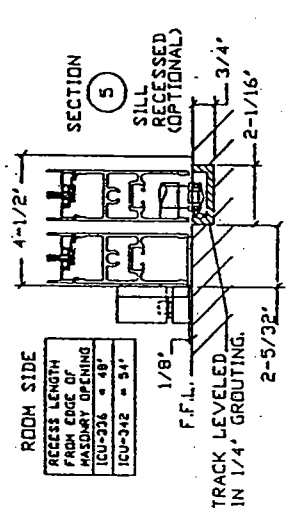


SECTION 2
HUNTIN

SECTION 3
SILL
SURFACE
MOUNTED
(STANDARD)



SECTION 6
SILL
TRACKLESS
APPLICATION



SECTION 5
SILL
RECESSED
(OPTIONAL)

NOTE:

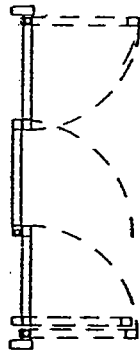
THE STANDARD PACKAGE CONSISTS OF:
THE HEADER, FRAME, HINGED STILE DOOR(S) & SIDELITES,
HUNTIN, PULL HANDLE(S), RECESSED FINGER PULL(S),
GLASS STOPS FOR 1/4" TEMPERED GLASS, GUIDE TRACK,
EMERGENCY BREAKAWAY & VERTICAL WEATHERSTRIPPING.

STANDARD FINISH
DARK BRONZE - AA-C23-AA4
CLEAR - AA-C23-A01.

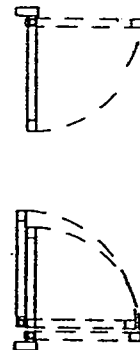
SPECIAL FINISHES ARE AVAILABLE.

MODEL NO.	CLEAR DOOR OPENING A	OVERALL FRAME WIDTH B	HARDWARE OPENING WIDTH C	SIDELITE LEAF WIDTH D	ACTIVE LEAF WIDTH E
ICU-326	36"	136 3/4"	137 1/4"	46 1/4"	46 1/4"
ICU-342	48"	154 3/4"	155 1/4"	58 1/4"	58 1/4"
KEY:	(D-10 1/4")	(C-1/2")	(B+1/8")	(A+10 1/2")	(E+23-23)

STD. HARDWARE OPENING HEIGHT (O.D.H.) 90".
STD. OVERALL FRAME HEIGHT (O.F.H.) 89-3/4".
STD. DOOR HEIGHT ACTIVE LEAF (O.F.H.) 89-3/4".
STD. DOOR HEIGHT SIDELITE (O.F.H.) 89-3/4".
TRACKLESS UNITS
STD. DOOR HEIGHT ACTIVE LEAF (O.F.H.) 84 5/8".
STD. DOOR HEIGHT SIDELITE (O.F.H.) 84 5/8".
CONSULT FACTORY FOR ALL CUSTOM CONFIGURATION SIZES.



ROOM SIDE
PLAN VIEW EMERGENCY BREAKAWAY
STANDARD & RECESSED TRACK APPLICATIONS

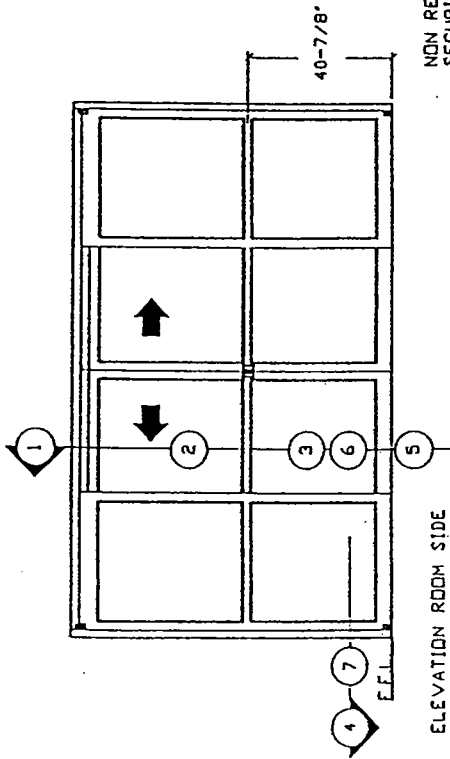


ROOM SIDE
PLAN VIEW EMERGENCY BREAKAWAY
TRACKLESS APPLICATIONS

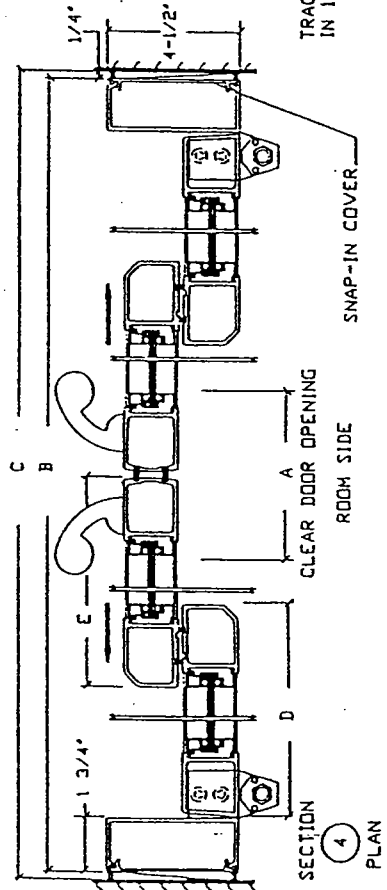
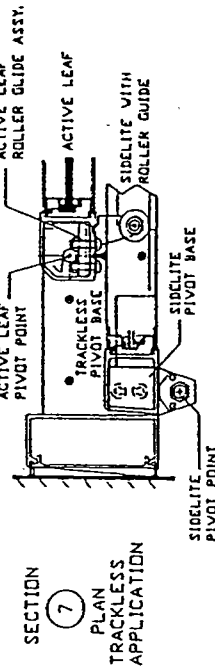
ICU2-9104

MANUAL ICU/CCU

FULL BREAKOUT
FOUR PANEL SLIDING DOOR SYSTEM



NON REMOVABLE
SECURITY TYPE
GLAZING BEAD
SYSTEM (TYP.)
1/4" STANDARD.



NOTE:

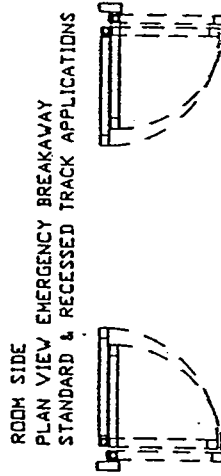
THE STANDARD PACKAGE CONSISTS OF:
1. FULL FRAME WINDOW STYLE (TYPED) & SIDELITE(S).
2. MUNTIN, PIVOT, TRACKLESS, RECESSED, GUIDE TRACK,
GLASS STOP, GUIDE TRACK, GUIDE TRACK,
EMERGENCY BREAKAWAY & VERTICAL WEATHERSTRIPPING.

STANDARD FINISH:
DARK BRONZE - AA-CB3-A44.
CLEAR - AA-CB3-A31.

SPECIAL FINISHES ARE AVAILABLE.

MODEL No.	CLEAR DOOR OPENING WIDTH A	OVERALL FRAME WIDTH B	MASONRY OPENING WIDTH C	SIDELITE LEAF WIDTH D	ACTIVE LEAF WIDTH E
ICU-36	36"	96"	96 1/2"	24 3/8"	24 1/2"
ICU-48	48"	120"	120 1/2"	30 3/8"	30 1/2"
ICU-60	60"	144"	144 1/2"	36 3/8"	36 1/2"
ICU-72	72"	168"	168 1/2"	42 3/8"	42 1/2"
KEY	(18/21)12"	(15-1/2)12"	(18/21)23"	(18/21)2/8"	D

STD. MASONRY OPENING HEIGHT (M.O.H.) 90".
STD. OVERALL FRAME HEIGHT (O.F.H.) 89'-3/4".
STD. DOOR HEIGHT ACTIVE LEAF (O.F.H.) 84'-3/4".
STD. DOOR HEIGHT SIDELITE (O.F.H.) 81'-1/4".
TRACKLESS UNITS:
STD. DOOR HEIGHT (O.F.H.) 84'-3/4".
STD. DOOR HEIGHT SIDELITE (O.F.H.) 81'-1/4".
CONSULT FACTORY FOR ALL CUSTOM CONFIGURATION SIZES.



ICU3-9104

REV.	DESCRIPTION.	BY.	DATE.	CHK'D.

BRUSH
P/N 11-02-103

HOLDER, BRUSH
P/N 11-02-104

WIRE & LUG
P/N 12-02-001

M6 X 12 PHMS
P/N 14-09-002

MTG. ANGLE
P/N 12-04-110

MTG. CLAMP
P/N 12-04-111

M4 X 12 PHMS
P/N 20-09-221

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Automated Entrance Systems, Inc.

81 TWIN RIVERS DRIVE
HIGHTSTOWN, NJ 08520-5212
609-443-5800.(FAX-3440)

TITLE KIT, ANTI-STATIC
ICU/CCU LOW PROFILE HEADER

DATE
6/01/95

DRAWN BY.
PFC

DRAWING/INVENTORY No.
A20097/12-15-007

Notes

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USA

Tel: 609-443-5800
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www.besam.com/na/



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Web: <http://www.besam.com/na/>

E-mail: marketing@besam-usa.com

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For this reason, specifications may be changed without notice.

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