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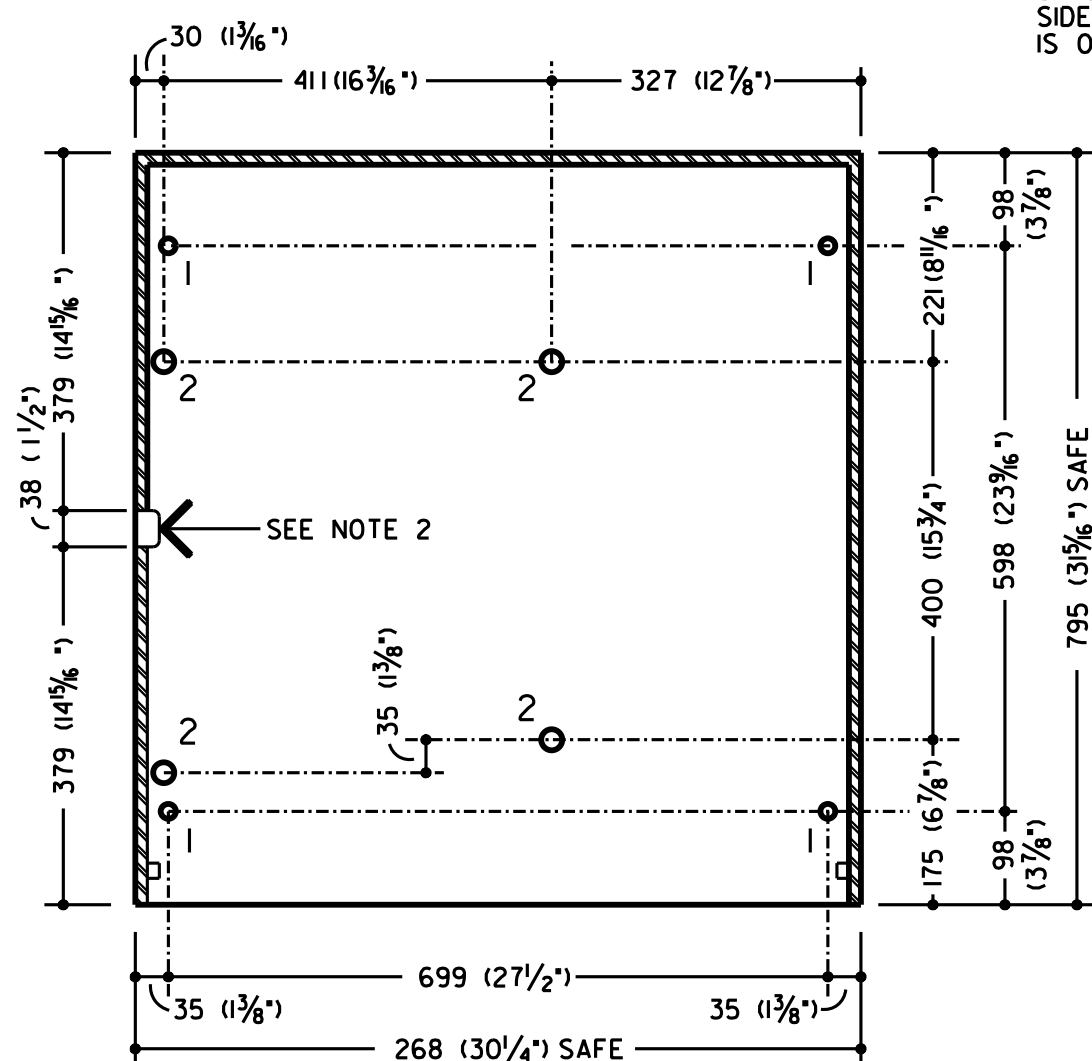
Revisions:

ALL DIMENSIONS AND DESIGN CRITERIA SUBJECT TO CHANGE WITHOUT NOTICE

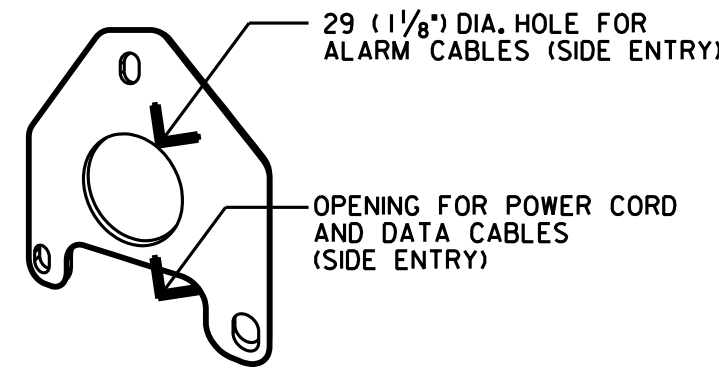
DERIVED FROM CUT SHEET FILE NO. 177-456 REV. 5

**NOTES:**

- 1 (4) 14mm (5/8") DIA. LEVELING LEG HOLES
- 2 (4) 22mm (7/8") DIA. FLOOR MOUNTING HOLES



PLAN/SECTION



POWER CABLE PLATE

**NOTES:**

**FOR ADDED SECURITY:**

IT IS RECOMMENDED THAT THE ATM SAFE BE SECURED TO THE FLOOR WITH ANCHOR BOLTS. USE THE FOLLOWING GUIDELINES TO DETERMINE THE APPROPRIATE METHOD FOR YOUR INSTALLATION.

**ANCHORING THE ATM TO CONCRETE FLOORS:**

IT IS RECOMMENDED THAT THE ATM BE ANCHORED TO CONCRETE FLOORS WHENEVER POSSIBLE. DIEBOLD RECOMMENDS USING A M20 OR 19mm (3/4") ANCHOR BOLT THAT IS 203mm (8") LONG. CONCRETE FLOORS OR CONCRETE BASES MUST BE A MINIMUM OF 102mm (4") THICK FOR ANCHORING TO BE EFFECTIVE. THERE IS NO LIMIT FOR MAXIMUM THICKNESS. ANCHOR BOLTS MUST BE USED IN ALL AVAILABLE ANCHOR HOLES. IF THE TERMINAL IS EQUIPPED WITH LEGS, THE LEVELING LEGS MUST BE REMOVED BEFORE THE TERMINAL IS ANCHORED. REFER TO VIEW "A" AND "B" FOR ADDITIONAL DETAILS.

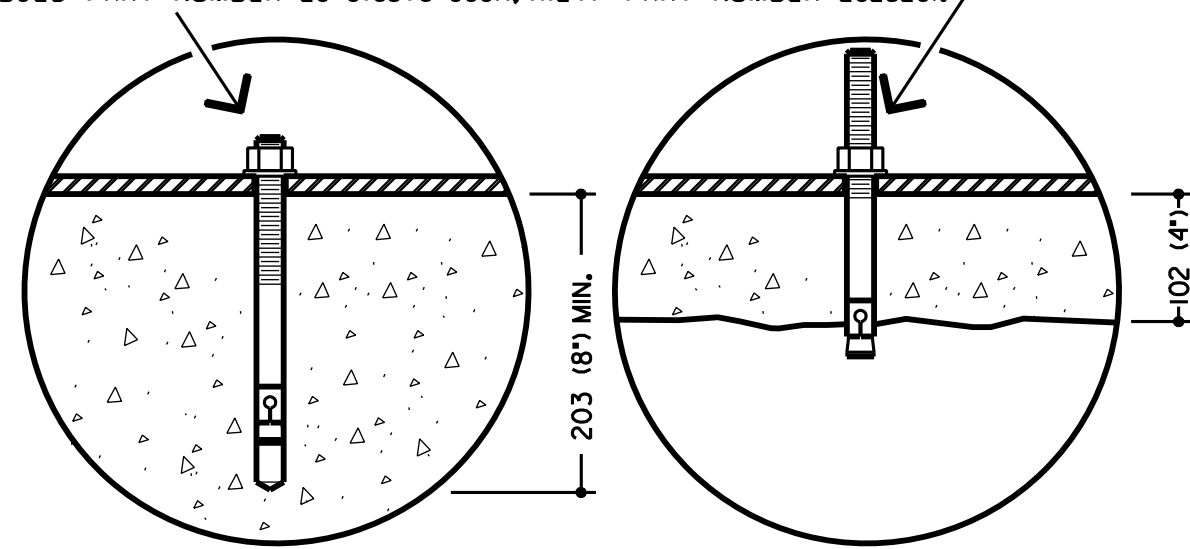
**ANCHORING THE ATM TO WOOD FLOORING:**

ATMS INSTALLED ON WOOD FLOORS OR FLOORS SUPPORTED BY WOODEN BEAMS CAN BE SECURED BY A MACHINE-THREADED NUT AND BOLT METHOD. IT IS PREFERRED THAT THE HARDWARE BE ATTACHED THROUGH SUPPORTING POSTS OR BEAMS FOR MAXIMUM HOLDING CAPACITY. ADDITIONALLY, THIS HARDWARE MUST ATTACH TO A LOCALLY FABRICATED REINFORCEMENT PLATE INSTALLED UNDERNEATH THE FLOOR TO PROVIDE ADDITIONAL STRENGTH. THE REINFORCEMENT PLATE IS TYPICALLY 6mm (1/4") THICK. IT IS IMPORTANT TO NOTE THAT THE OVERALL HOLDING CAPACITY OF A WOOD FLOOR WILL BE LESS THAN THAT OF CONCRETE FLOORS.

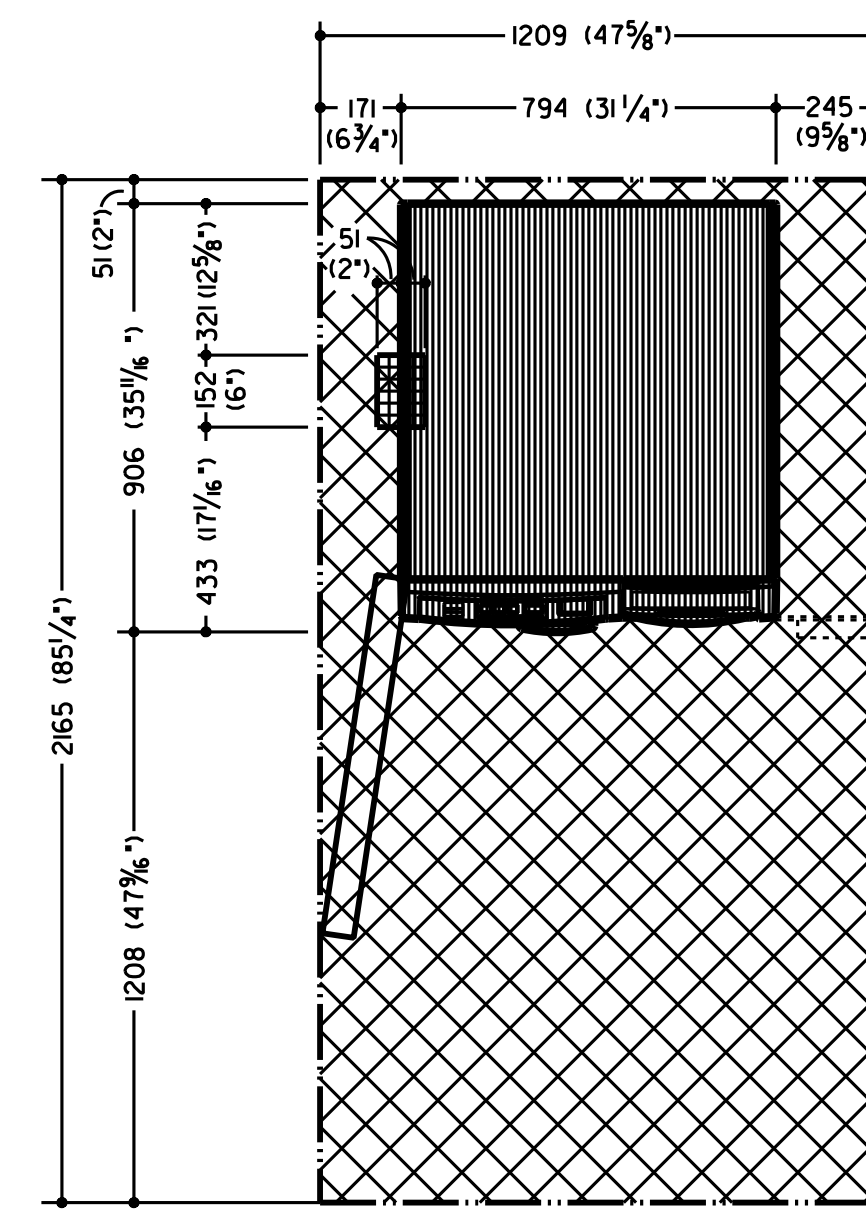
**ANCHORING THE ATM TO STEEL FLOORS:**

ATMS INSTALLED ON STEEL FLOORS CAN BE SECURED BY A MACHINE-THREADED NUT AND BOLT METHOD. IT IS PREFERRED THAT THE HARDWARE BE ATTACHED THROUGH SUPPORTING POSTS OR BEAMS FOR MAXIMUM HOLDING CAPACITY. ADDITIONALLY, THIS HARDWARE MUST ATTACH TO A LOCALLY FABRICATED REINFORCEMENT PLATE INSTALLED UNDERNEATH THE FLOOR TO PROVIDE ADDITIONAL STRENGTH. THE COMBINED BACKING PLATE AND FLOOR THICKNESS MUST BE AT LEAST 13mm (1/2").

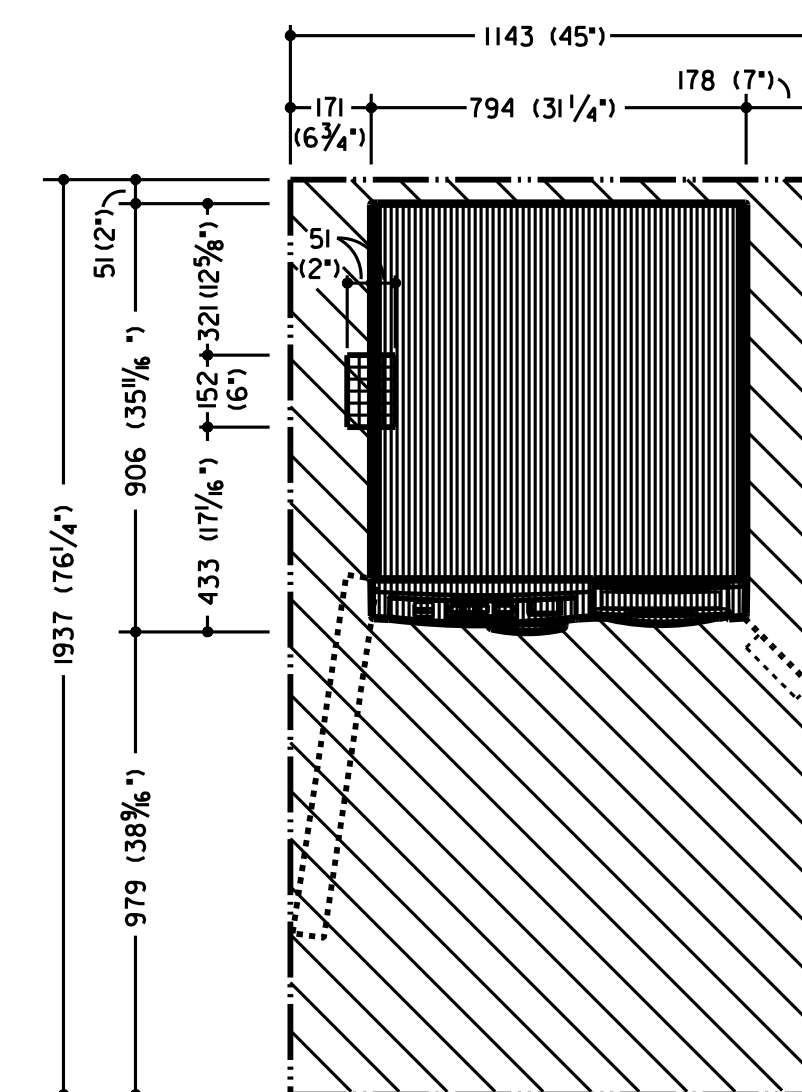
OWNER'S INSTALLER TO DRILL (4) 19mm (3/4") DIA. X 203mm (8" MIN.) DEEP HOLES IN CONCRETE FLOOR (RECOMMENDED DRILLING COMPLETELY THROUGH FLOOR WHEN POSSIBLE AND TO BE SECURED TO THE CONCRETE FLOOR WITH (4) 19mm (3/4")-10 X 203mm (8") LONG WEDGE ANCHORS (SUPPLIED BY OWNER'S INSTALLER) DIEBOLD PART NUMBER 29-016376-000A, HILTI PART NUMBER 2825201.



- RECOMMENDED SERVICE AREA
- MINIMUM SERVICE AREA
- ALL ELECTRICAL AND DATA CABLES MUST ENTER UNIT IN THIS AREA



PLAN VIEW (SINGLE UNIT) (RECOMMENDED SERVICE AREA)



PLAN VIEW (SINGLE UNIT) (MINIMUM SERVICE AREA)

**PHYSICAL SECURITY**

THE SECURITY SAFE MEETS THE BANK PROTECTION ACT 82 STAT 295, 12 USC 882, AND MEETS THE ATTACK TEST PER UL 291-15. THE SAFE DOOR HAS A POSITIVE RELOCKING FEATURE. THE SAFE DOOR IS CONTROLLED BY A GROUP 2 COMBINATION LOCK WITH OR WITHOUT KEYLOCKING DIAL CAPABILITY OR OPTIONAL ELECTRONIC LOCK.

**ALARM PROTECTION**

THE UL-LISTED SAFE IS EQUIPPED WITH A BASIC ALARM SENSOR PACKAGE. THE BASIC PACKAGE INCLUDES A SAFE DOOR OPEN SWITCH, ALARM SHUNTING SWITCH, AND RATE-OF-RISE HEAT SENSOR.

**SIGNAL CABLE RUN CONSTRAINTS**

THE FOLLOWING CHART ITEMIZES THE PHYSICAL SPACING REQUIREMENTS OF THE SIGNAL CABLE RUN WITH RESPECT TO OTHER POWER AND ELECTRICAL EQUIPMENT CABLE RUN.

TYPE OF ELECTRICAL RUN	POWER OF ELECTRICAL RUN		
	BELOW 2 KVA	2-5 KVA	ABOVE 5 KVA
FLUORESCENT, NEON OR INCANDESCENT LIGHTING FIXTURES	127mm (5")	127mm (5")	127mm (5")
UNSHIELDED POWER LINE OR ELECTRICAL EQUIPMENT	127mm (5")	305mm (12")	610mm (2'-0")
UNSHIELDED POWER LINES OR ELECTRICAL EQUIPMENT WITH SIGNAL CABLES ENCLOSED IN GROUNDED CONDUIT	64mm (2 1/2")	152mm (6")	305mm (12")
POWER LINES IN GROUNDED CONDUIT WITH SIGNAL CABLES IN GROUNDED CONDUIT	30mm (1 1/8")	76mm (3")	152mm (6")

**SIGNAL CABLE INSTALLATION CONSTRAINTS**

RELATIVE CARE IS REQUIRED WHEN INSTALLING SIGNAL CABLES IN CONDUITS. UNLIKE POWER AND LIGHTING CABLE, SIGNAL CABLES HAVE SMALL CONDUCTORS AND LIGHT INSULATION AND WILL NOT WITHSTAND AS MUCH STRAIN IN INSTALLATION.

**CONDUIT AND JUNCTION BOX REQUIREMENTS**

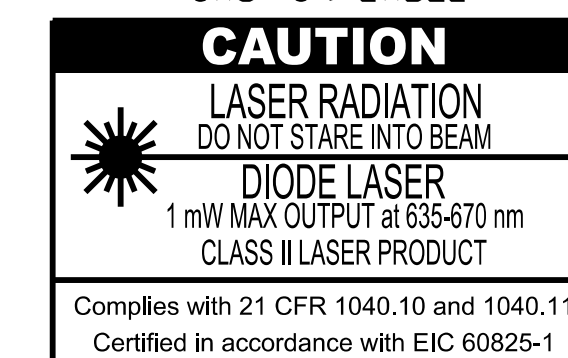
- 1 25mm (1") METAL CONDUIT FROM ALARM CONTROL CABINET JUNCTION BOX TO 102mm (4") SO. X 54mm (2 1/8") DP. JUNCTION BOX (ALL BY E.C.) DIEBOLD TO PROVIDE FLAT COVER WITH TAMPER SWITCH.
- 2 WHEN "SECURIOMATIC" AFTER HOUR DEPOSITORY IS TO BE CONNECTED TO ATM UNIT, E.C. TO RUN 19mm (3/4") METAL CONDUIT FROM 102mm (4") SO. X 54mm (2 1/8") DP. JUNCTION BOX TO AFTER HOUR DEPOSITORY.
- 3 E.C. TO RUN 19mm (3/4") LIQUID TIGHT FLEX METAL CONDUIT OR 19mm (3/4") RIGID CONDUIT FROM JUNCTION BOX TO CABLE CONNECTING PLATE.
- 4 19mm (3/4") METAL CONDUIT AND UNSWITCHED ELECTRICAL SUPPLY TO 102mm (4") SO. X 54mm (2 1/8") DP. JUNCTION BOX WITH RECEPTACLE WITHIN 2490mm (98") OF SIDE CONNECTING PLATE. BOTTOM CONNECTION MUST BE COMPENSATED ACCORDINGLY (ALL BY E.C.) (SEE POWER REQUIREMENTS).
- 5 E.C. TO SUPPLY COMPATIBLE RECEPTACLE FOR COUNTRY SPECIFIC PLUG-IN CONNECTOR SUPPLIED WITH UNIT. POWER CORD LENGTH 2490mm (98") FROM SIDE OF UNIT.

**NOTE:**

JUNCTION BOXES MUST BE LOCATED WITHIN 2490mm (98") OF CONNECTING PLATE. (LENGTH OF ELECTRICAL POWER CABLE PROVIDED WITH UNIT). LOCATE IN AN EASILY ACCESSIBLE AREA.

BOXES CAN BE FLUSH MOUNTED WITH CONCEALED CONDUIT FOR NEW CONSTRUCTION OR BOXES CAN BE SURFACE MOUNTED WITH EXPOSED CONDUIT FOR EXISTING CONSTRUCTION.

**CAUTION LABEL**



**POWER REQUIREMENTS**

THE ATM REQUIRES A SINGLE-PHASE, THREE-WIRE UNSWITCHED POWER RECEPTACLE. WIRING TO THE RECEPTACLE MUST INCLUDE A THIRD-WIRE EARTH GROUND (CONDUIT GROUND IS NOT ACCEPTABLE). THE ATM WILL PROVIDE A POWER CORD WITH A COUNTRY SPECIFIC POWER PLUG. THE POWER SUPPLIED MUST BE AS SPECIFIED BELOW.

- 100-127 VAC (+6%/-10%) 50Hz (+/-1%) SINGLE PHASE
- 100-127 VAC (+6%/-10%) 60Hz (+/-1%) SINGLE PHASE
- 200-240 VAC (+/-10%) 50Hz (+/-1%) SINGLE PHASE
- 200-240 VAC (+/-10%) 60Hz (+/-1%) SINGLE PHASE

POWER TO THE ATM MUST BE PROTECTED BY A SAFETY QUICK-DISCONNECT DEVICE TO BREAK LINE VOLTAGE (SUCH AS A CIRCUIT BREAKER AT THE ELECTRICAL SERVICE PANEL. THE QUICK-DISCONNECT DEVICE (OR CIRCUIT BREAKER) MUST TURN OFF THE LINE VOLTAGE AT THE FOLLOWING AMPERAGE.

- 100-127 VAC (+6%/-10%) SERVICE, DISCONNECT AT 20 AMPERES
- 200-240 VAC (+10%) SERVICE, DISCONNECT AT 10 AMPERES

THE MODULE BULK POWER SUPPLY AND PROCESSOR POWER SUPPLY WILL PROVIDE POWER CONDITIONING TO PREVENT THE TERMINAL FROM MALFUNCTIONING DUE TO SHORT-TERM AC POWER FLUCTUATIONS AS OUTLINED IN EN6100-4-11.

**POWER USAGE**

MACHINE STATUS	①	②
IDLE (NO TRANSACTION)	190 WATTS	229 WATTS
TRANSACTION (DISPENSE OR BULK NOTE) IN PROGRESS	285 WATTS	349 WATTS
RAPID PROCESSING TRANSACTION IN PROGRESS	550 WATTS	614 WATTS

**CONFIGURATION**

- 1 PROCESSOR, COLOR LCD CONSUMER DISPLAY, MOTORIZED CARD READER, JOURNAL PRINTER, 80mm THERMAL RECEIPT PRINTER, STANDARD DEPOSITORY AND 5 HIGH AFD.
- 2 PROCESSOR, SVD LCD CONSUMER DISPLAY, MOTORIZED CARD READER, JOURNAL PRINTER, 80mm THERMAL RECEIPT PRINTER, IDM, 5 HIGH AFD, AND BULK NOTE ACCEPTOR.

RAPID PROCESSING - SYSTEMS CONFIGURED FOR SIMULTANEOUS IDM (INTELLIGENT DEPOSITORY MODULE) AND ENA (ENHANCED NOTE ACCEPTOR) OR IDM AND BNA (BULK NOTE ACCEPTOR) OPERATIONS

THE POWER USE DEPENDS ON THE NUMBER AND TYPE OF DEVICES PRESENT IN THE ATM, AND THE TYPE OF TRANSACTION THE ATM IS PERFORMING.

**HEAT OUTPUT CONFIGURATION**

- 1 971 BTU/HR DISPENSING  
648 BTU/HR IDLE  
1,875 BTU/HR RAPID PROCESSING
- 2 1,990 BTU/HR BULK NOTE ACCEPTING  
781 BTU/HR IDLE  
2,094 BTU/HR RAPID PROCESSING

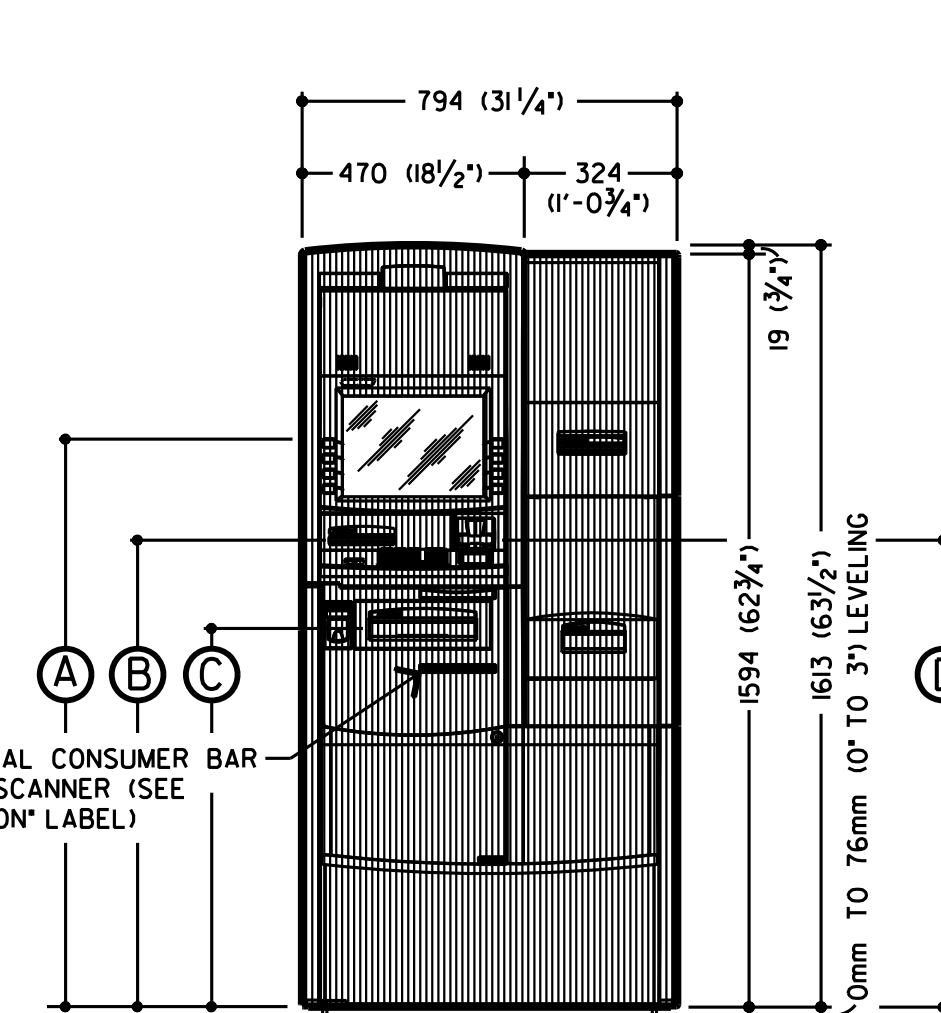
**OPERATING ENVIRONMENT**

SAFE LOCATION 10° C TO 38° C (50° F TO 100° F)  
 RELATIVE HUMIDITY (NON-CONDENSING)  
 20 TO 80% AT 32° C (90° F),  
 20 TO 55% AT 38° C (100° F)

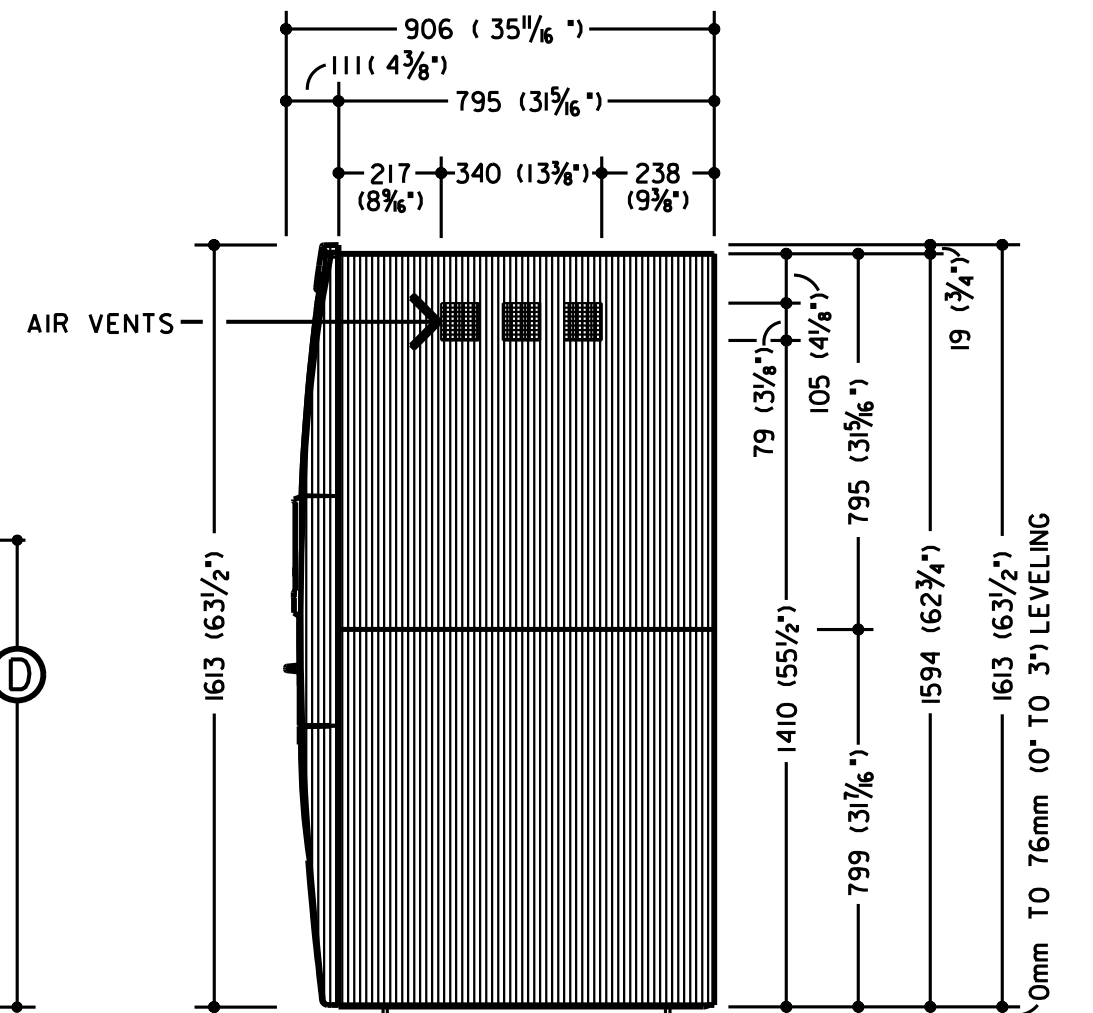
WEIGHT OF UNIT  
 680 kg (1,500 LBS.)

TOP FUNCTION KEY	RECEIPT PRINTER	ADVANCED FUNCTION DISPENSER	CARD READER
HEIGHT 1200 (47 3/4") DEPTH 146 (5 3/4")	HEIGHT 1001 (39 3/8") DEPTH 111 (4 3/8")	HEIGHT 811 (31 1/8") DEPTH 0 (0")	HEIGHT 1001 (39 3/8") DEPTH 111 (4 3/8")

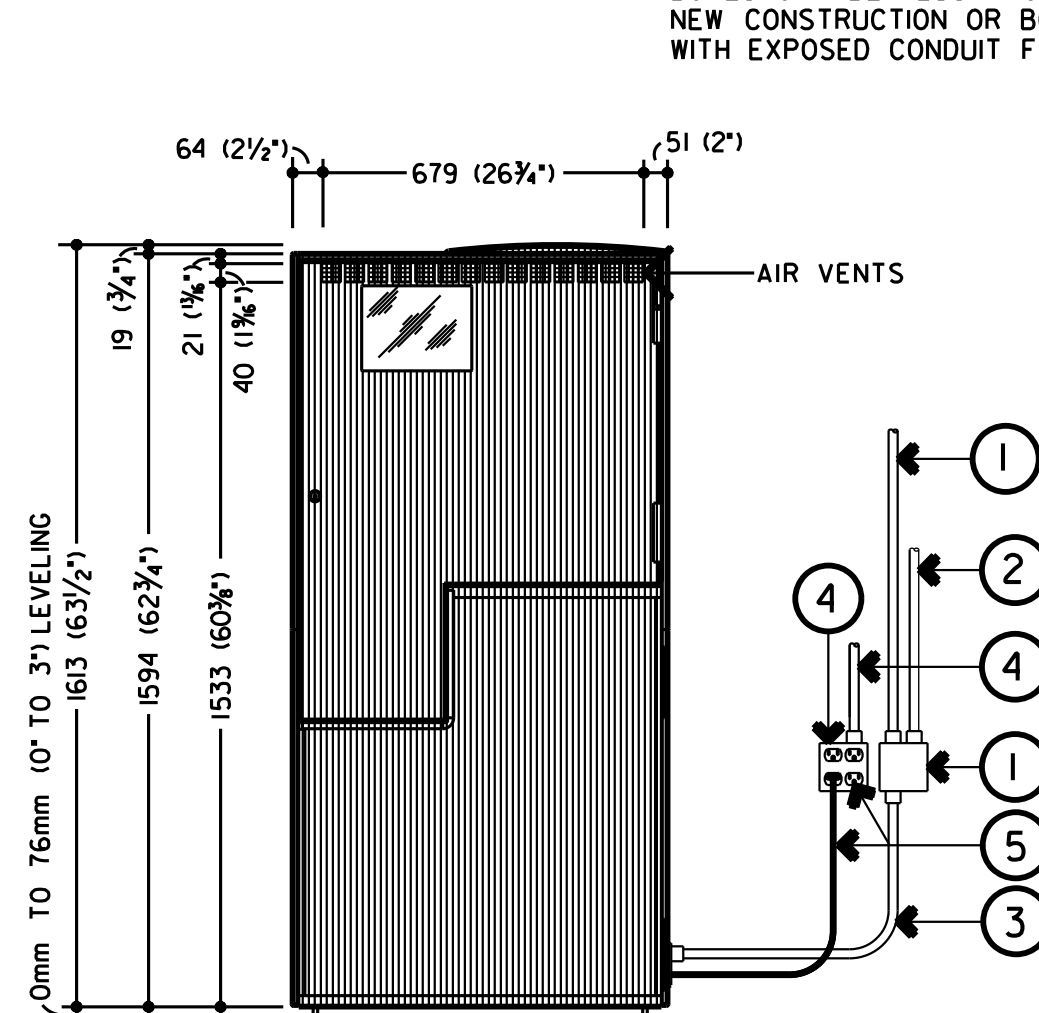
HEIGHT - FROM BOTTOM OF SAFE  
 DEPTH - FROM FRONT EDGE OF BEZEL



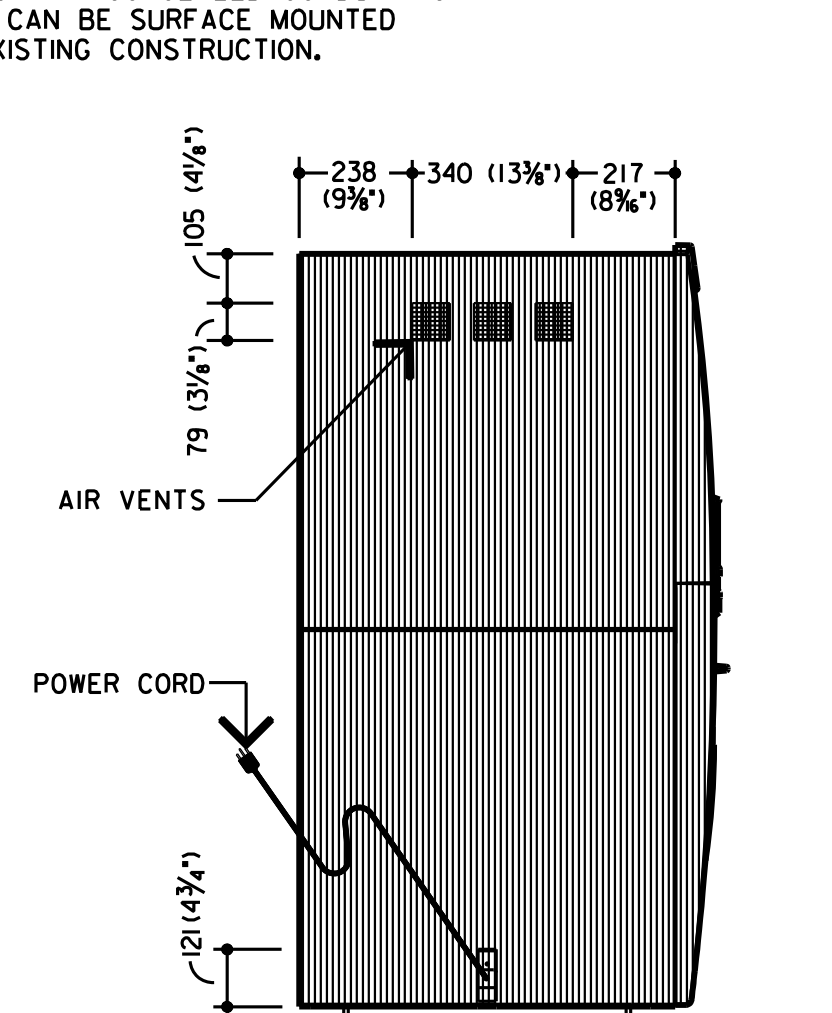
FRONT ELEVATION



SIDE ELEVATION



BACK ELEVATION



SIDE ELEVATION

Project No.

Date

Drawn By

Requested By

Order No. 000000

Scale AS NOTED

Sheet Title

**OPTEVA 720  
 LOBBY ATM  
 FRONT LOAD**

Drawing Number

**TM-1**  
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