

SYSTEM MODEL NUMBER DESCRIPTIONS

SYSTEM MODEL 745UDS

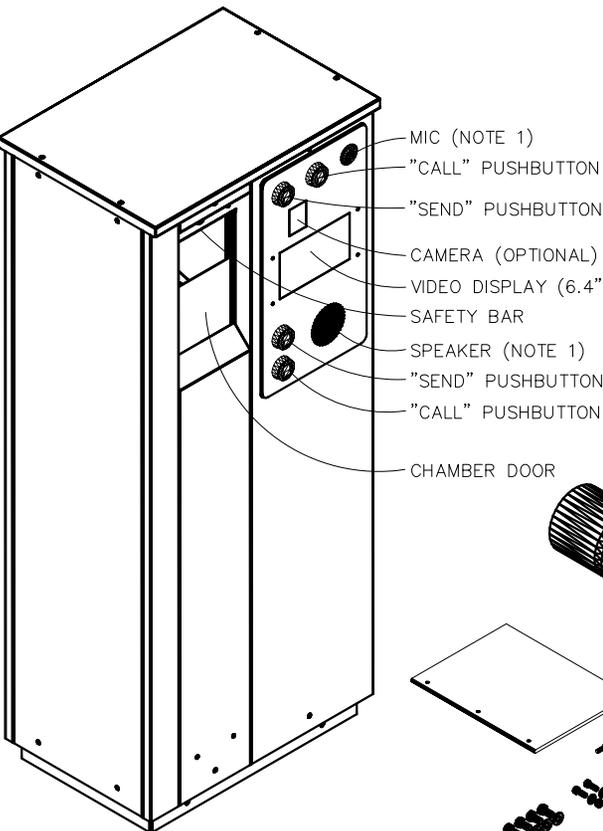
- 1ea. MODEL 745UTU 4-1/2" UPSEND TELLER UNIT
- 1ea. MODEL 745DCUS 4-1/2" DOWNSEND CUSTOMER UNIT WITH 6" TO 9" RECOMMENDED TUBE SETBACK.

SYSTEM MODEL 745UDM

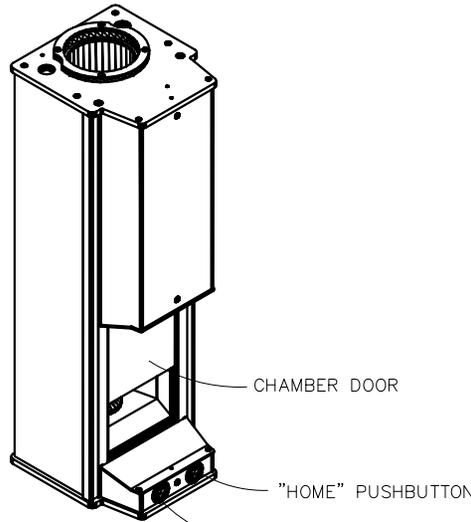
- 1ea. MODEL 745UTU 4-1/2" UPSEND TELLER UNIT
- 1ea. MODEL 745DCUM 4-1/2" DOWNSEND CUSTOMER UNIT WITH 10" TO 13" RECOMMENDED TUBE SETBACK.

SYSTEM MODEL 745UDX

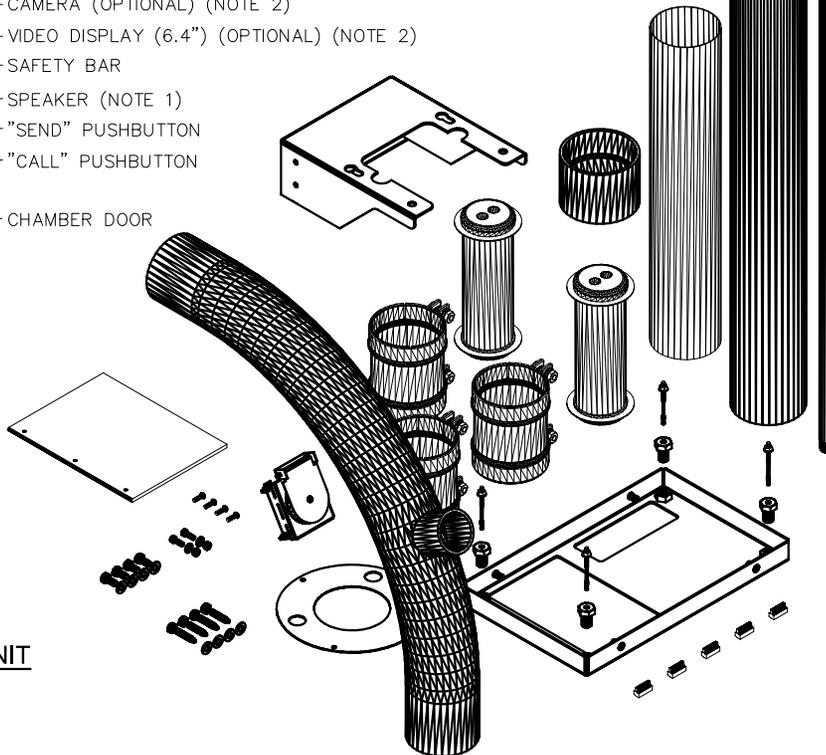
- 1ea. MODEL 745UTU 4-1/2" UPSEND TELLER UNIT
- 1ea. MODEL 745DCUX 4-1/2" DOWNSEND CUSTOMER UNIT WITH 18" TO 21" RECOMMENDED TUBE SETBACK.



MODEL 745DCU
4-1/2" DOWNSEND CUSTOMER UNIT
SHOWN



MODEL 745UTU
4-1/2" UPSEND TELLER UNIT



NOTES:

1. SPECIFY AUDIO SET-UP. (EX: AUDIO AUTHORITY).
2. CUSTOMER UNIT WILL ACCEPT CAMERA AND/OR DISPLAY. ORDER SEPERATELY.
3. TUBE IS CUT TO LENGTH AS REQUIRED FOR TRANSITION OF UNDERGROUND TUBING TO CARRIER TUBE INSIDE TELLER & CUSTOMER UNIT.

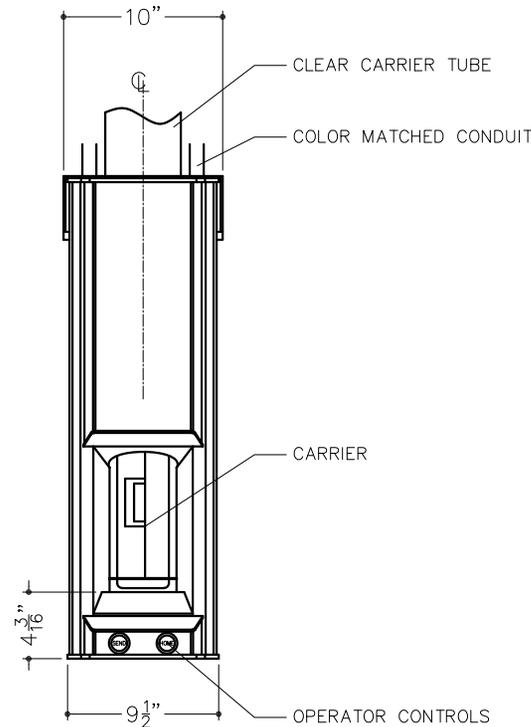
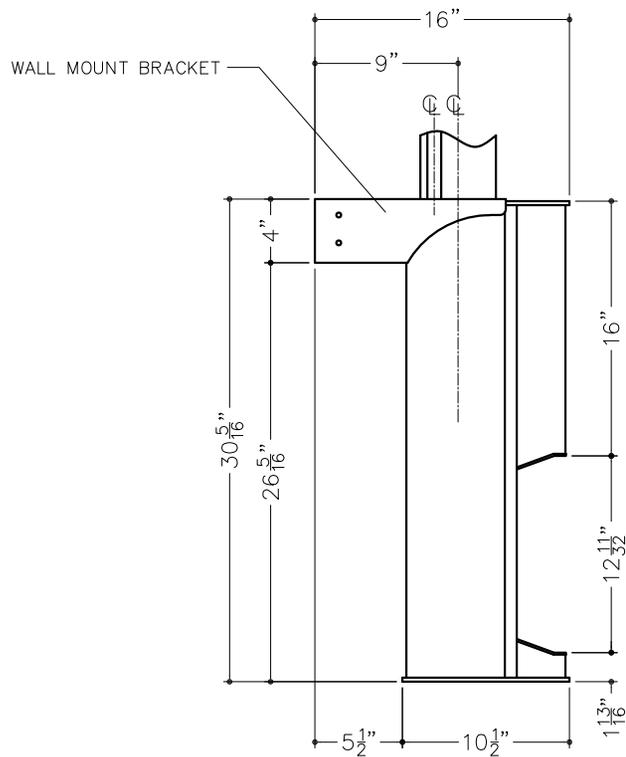
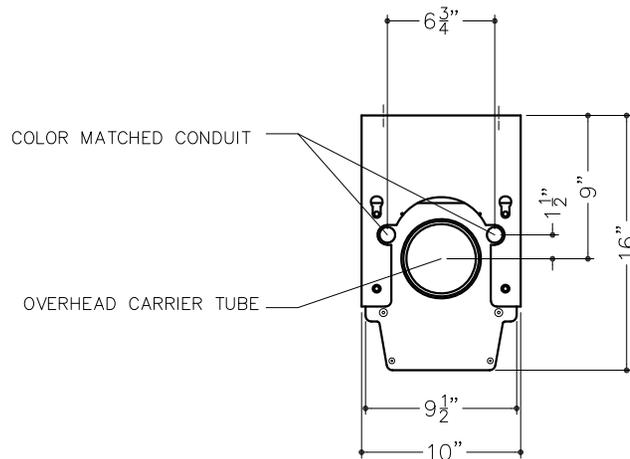
ITEM	QTY	MODEL/PART	DESCRIPTION	NOTE
24	3	9030-0009	COUPLING 4-1/2"x6"	4
23	1	9030-0008	BEND,STL EXT A/REL 4-1/2"	4
22	1	9030-0001	CLEAR TUBING 4-3/4x4-3/8x10	7
21	8	8180-0338	WASHER, 3/8 FLAT Z	3,4
20	2	8180-0325	WASHER 1/4 FLAT Z	3,4
19	2	8150-3225	NUT HEX 1/4-20 Z	3,4
18	4	8097-0002	WEDGE ANCHOR 1/4x3-1/4	3,4
17	4	8096-3764	HEX HEAD LAG 3/8x2 Z	3,4
16	2	8095-3724	HHCS 1/4-20x3/4 GR5 Z	3,4
15	4	8095-3024	HHCS 3/8-16x3/4 GR5 Z	3,4
14	4	8023-1324	TPHMS 1/4-20x3/4 S/S	3,4
13	1	745UTU	TELLER UNIT 4-1/2" UPSEND	3
12	1	745DCU	CUSTOMER UNIT 4-1/2" DOWNSEND	1,2,3
11	1	745-9826	TUBE,INSTALLATION STL 4-1/2" x 24"	4
10	4	745-9790	LEVELER	3,4
9	1	745-9751	BASE,CU MOUNTING	4
8	5	7428-0008	PLUG,TERM BLOCK 8 POS	1,3,4
7	1	702-9752	TRANSITION COVER PLATE	4
6	1	701-9708	ADAPTER,STL to CLEAR 4-1/2"	4
5	1	701-9707	BRACKET, WALL MOUNT	4
4	1	700-9911	CONDUIT,3/4IMCx10	7
3	1	700-3200	AIR BYPASS VALVE ASSY	4
2	2	4001-77AF	CARRIER,CLR/CLR/ALL 4.290	2
1	1		OP&SRVC MAN,MOD 745DD DWNSND RTS	4
SYSTEM COMPONENTS				

DO NOT SCALE

American Vault[®] Waco Texas

PRODUCT APPLICATION DRAWING
MODEL 745UD 4-1/2" UP/DOWN REMOTE SYSTEM
(UPSEND TU to DOWNSEND CU)

SIZE	DWG NO	DATE	SHEET
A	20212	02.16.2024	1 OF 6



TELLER UNIT (TU) CONTROLS

"SEND" PUSHBUTTON

WHEN PRESSED THE TU DOOR CLOSES & CARRIER IS SENT TO THE CU. UPON ARRIVAL AT THE CU THE CARRIER CHAMBER DOOR OPENS TO PRESENT THE CARRIER.

"HOME" PUSHBUTTON

WHEN PRESSED THE CU CARRIER CHAMBER DOOR CLOSES AND CARRIER IS RETRIEVED FROM THE CU. UPON ARRIVAL AT THE TU, CARRIER CHAMBER DOOR OPENS TO PRESENT THE CARRIER.

TYPICAL TRANSACTION

CUSTOMER ARRIVES AT THE CUSTOMER UNIT WITH THE CARRIER IN THE CARRIER CHAMBER. THE CUSTOMER REMOVES THE CARRIER AND PLACES TRANSACTION INSIDE CARRIER. CUSTOMER THEN INSERTS CARRIER IN THE CARRIER CHAMBER AND PASSES "SEND" BUTTON. THE CARRIER DROPS INTO THE TUBE AS THE CARRIER CHAMBER DOOR CLOSES. WHEN THE DOOR HAS FULLY CLOSED THE AIR HANDLER WILL ENERGIZE AND DELIVER THE CARRIER TO THE TELLER UNIT. THE CARRIER WILL THEN PRESENT ITSELF AS THE TELLER UNIT CHAMBER DOOR OPENS. OPERATOR THEN RETRIEVES THE CARRIER.

TO COMPLETE THE TRANSACTION OPERATOR INSERTS CARRIER INTO TELLER UNIT CHAMBER AND PASSES "SEND" BUTTON. THE CARRIER THEN DROPS INTO THE TUBE AS THE CARRIER CHAMBER DOOR CLOSES. WHEN THE DOOR HAS FULLY CLOSED THE AIR HANDLER WILL ENERGIZE AND DELIVER THE CARRIER TO THE CUSTOMER UNIT.

DO NOT SCALE

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PRODUCT APPLICATION DRAWING
MODEL 745UD 4-1/2" UP/DOWN REMOTE SYSTEM
(MODEL 745UTU UPSEND TU DETAILS)

SIZE	DWG NO	DATE	SHEET
A	20212	02.16.2024	2 OF 6

CUSTOMER UNIT (CU) CONTROLS

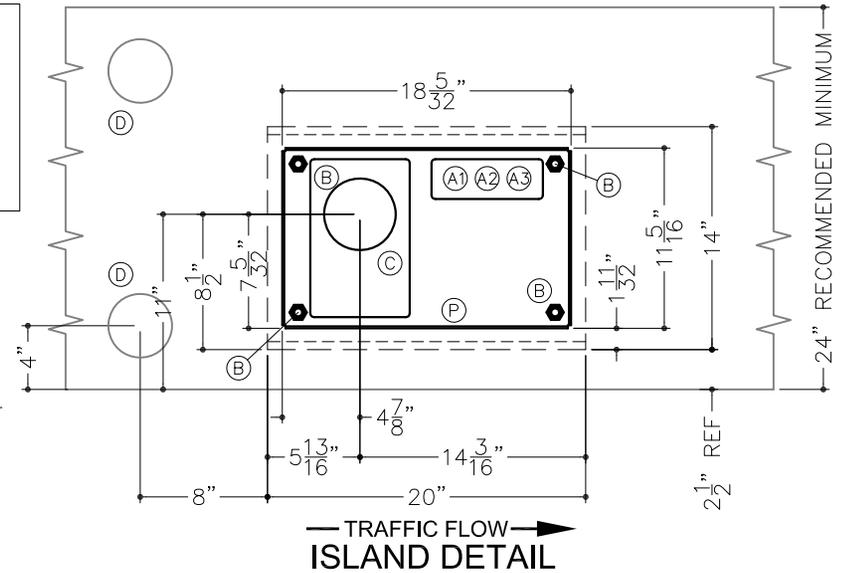
"SEND" PUSHBUTTON

WHEN PRESSED THE CARRIER CHAMBER DOOR CLOSES AND CARRIER IS SENT TO THE TU. UPON ARRIVAL AT THE TU THE CARRIER CHAMBER DOOR OPENS TO PRESENT THE CARRIER.

"CALL" PUSHBUTTON

WHEN A CUSTOMER ARRIVES AT THE CU THE CUSTOMER MAY PRESS THE "CALL" BUTTON. THIS ACTIVATES AN AUDIO CHIME ON THE TELLER STATION AUDIO TO ALERT THE OPERATOR THAT A CUSTOMER WISHES TO COMMUNICATE.

OWNER'S ELECTRICAL CONTRACTOR TO PROVIDE 120 VAC, 60 HZ, SINGLE PHASE, 20 AMP DEDICATED BRANCH CIRCUIT w/OPTIONAL DUPLEX OUTLET. (1) CIRCUIT PER SYSTEM. TELLER UNIT AND CUSTOMER UNIT ON SAME CIRCUIT.



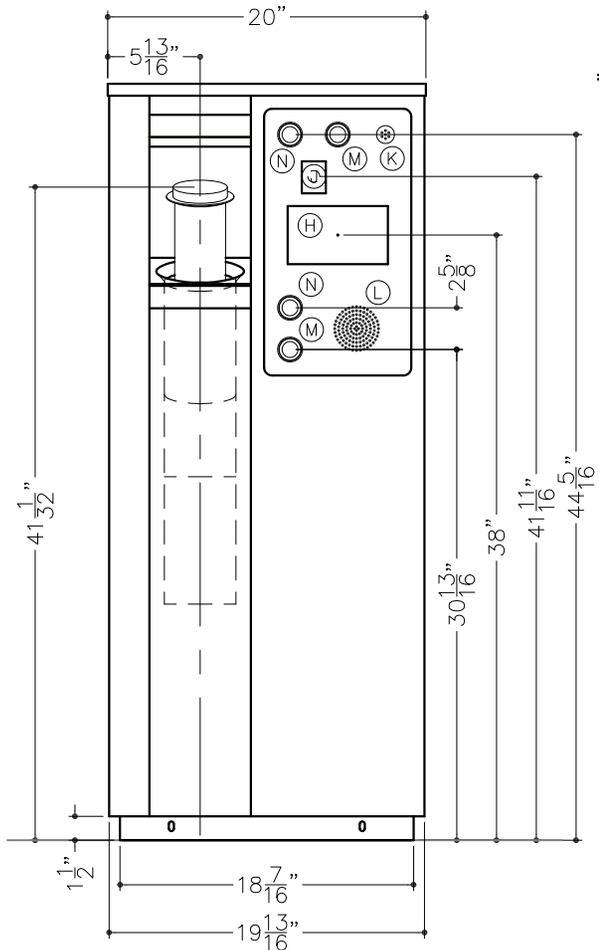
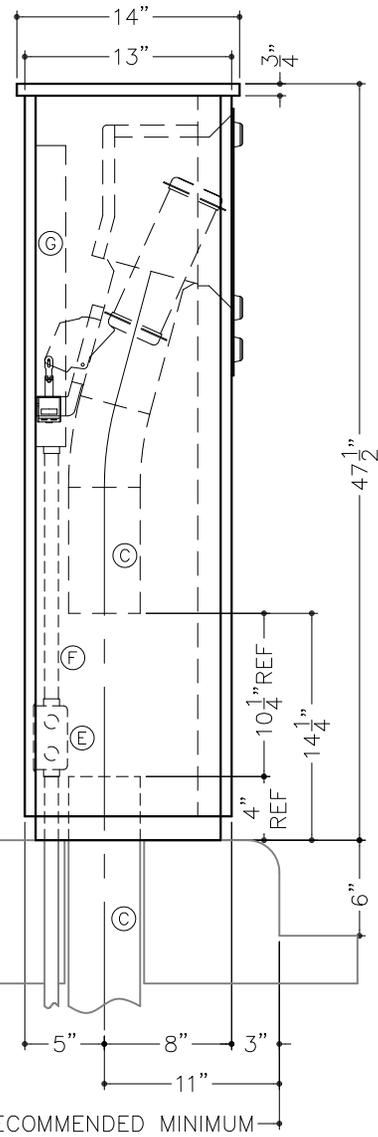
- LEGEND:
- A 3/4" CONDUIT (3x)
 - A1 120 Vac, 60 HZ, SINGLE PHASE 20AMP DEDICATED CIRCUIT
 - A2 AUDIO/VIDEO CONDUIT FROM AUDIO/VIDEO HUB
 - A3 CONTROL CABLE FROM TELLER UNIT.
 - B COMBINATION LEVELING BOLT & ANCHOR (4x)
 - C 4-1/2" CARRIER TUBE
 - D BOLLARD
 - E DUPLEX OUTLET FOR CONVENIENCE(OPTIONAL)
 - F CONDUIT FROM OUTLET
 - G CONTROL PANEL
 - H VIDEO DISPLAY (OPTIONAL)
 - J CAMERA (OPTIONAL)
 - K AUDIO MICROPHONE
 - L AUDIO SPEAKER
 - M "CALL" BUTTON (2x)
 - N "SEND" BUTTON (2x)
 - P CUSTOMER UNIT MOUNTING BASE

DO NOT SCALE



PRODUCT APPLICATION DRAWING
 MODEL 745UD 4-1/2" UP/DOWN REMOTE SYSTEM
 (MODEL 745DCUM 4-1/2" DOWNSEND CUSTOMER UNIT DETAILS)
 (10" to 13" RECOMMENDED TUBE SETBACK)

SIZE	DWG NO	DATE	SHEET
A	20212	02.16.2024	3 OF 6



MODEL 745DCUM
4-1/2" DOWNSEND CUSTOMER UNIT
10" TO 13" RECOMMENDED
TUBE SETBACK

CUSTOMER UNIT (CU) CONTROLS

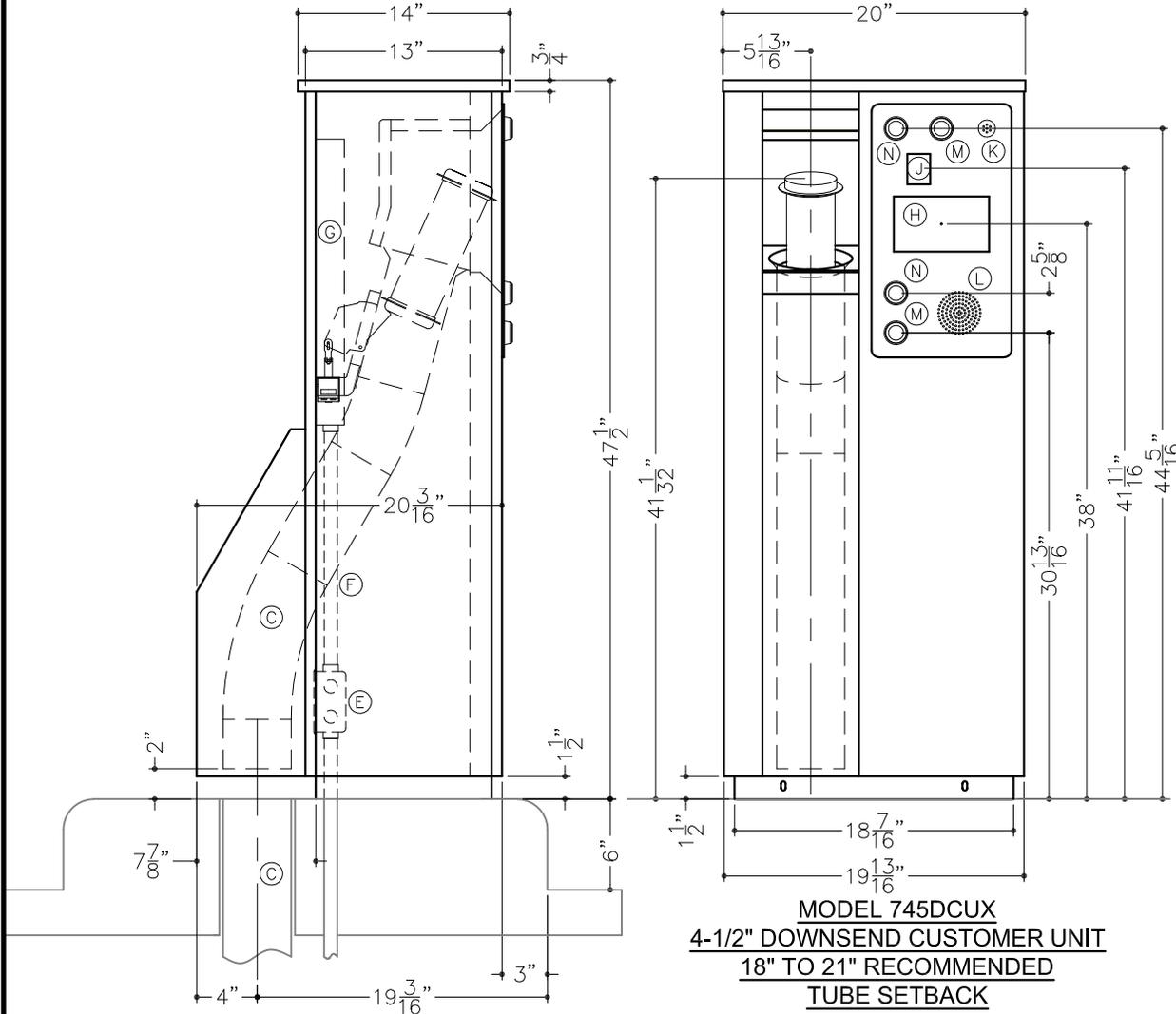
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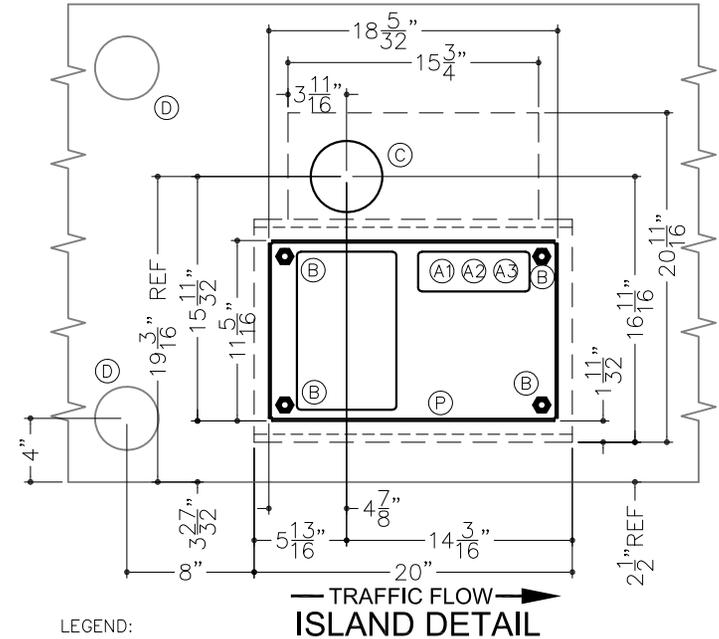
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OWNER'S ELECTRICAL CONTRACTOR TO PROVIDE 120 VAC, 60 HZ, SINGLE PHASE, 20 AMP DEDICATED BRANCH CIRCUIT w/OPTIONAL DUPLEX OUTLET. (1) CIRCUIT PER SYSTEM. TELLER UNIT AND CUSTOMER UNIT ON SAME CIRCUIT.



MODEL 745DCUX
4-1/2" DOWNSEND CUSTOMER UNIT
18" TO 21" RECOMMENDED
TUBE SETBACK



LEGEND:

- A 3/4" CONDUIT (3x)
- A1 120 Vac, 60 HZ, SINGLE PHASE 20AMP DEDICATED CIRCUIT
- A2 AUDIO/VIDEO CONDUIT FROM AUDIO/VIDEO HUB
- A3 CONTROL CABLE FROM TELLER UNIT.
- B COMBINATION LEVELING BOLT & ANCHOR (4x)
- C 4-1/2" CARRIER TUBE
- D BOLLARD
- E DUPLEX OUTLET FOR CONVENIENCE(OPTIONAL)
- F CONDUIT FROM OUTLET
- G CONTROL PANEL
- H VIDEO DISPLAY (OPTIONAL)
- J CAMERA (OPTIONAL)
- K AUDIO MICROPHONE
- L AUDIO SPEAKER
- M "CALL" BUTTON (2x)
- N "SEND" BUTTON (2x)
- P CUSTOMER UNIT MOUNTING BASE

DO NOT SCALE

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PRODUCT APPLICATION DRAWING
MODEL 745UD 4-1/2" UP/DOWN REMOTE SYSTEM
(MODEL 745DCUX CUSTOMER UNIT DETAILS)
(18" to 21" RECOMMENDED TUBE SETBACK)

SIZE	DWG NO	DATE	SHEET
A	20212	02.16.2024	4 OF 6

CUSTOMER UNIT (CU) CONTROLS

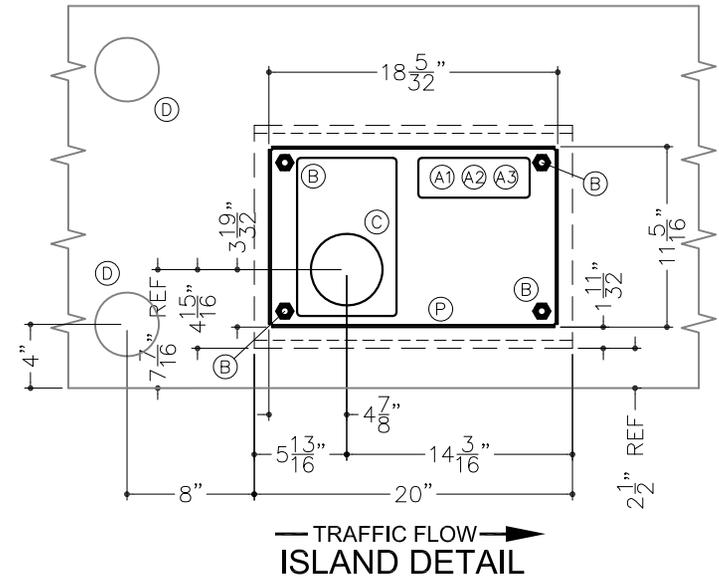
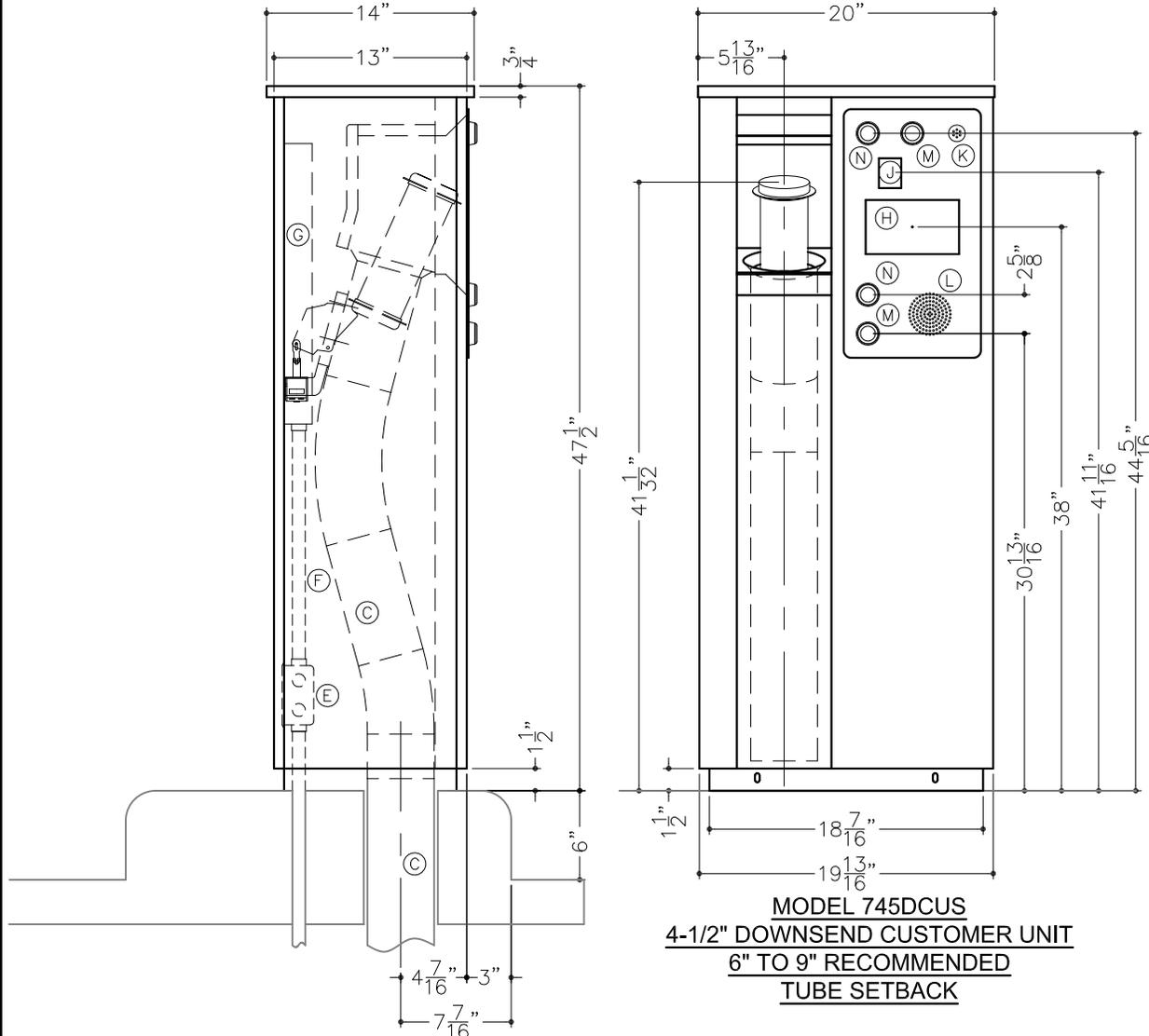
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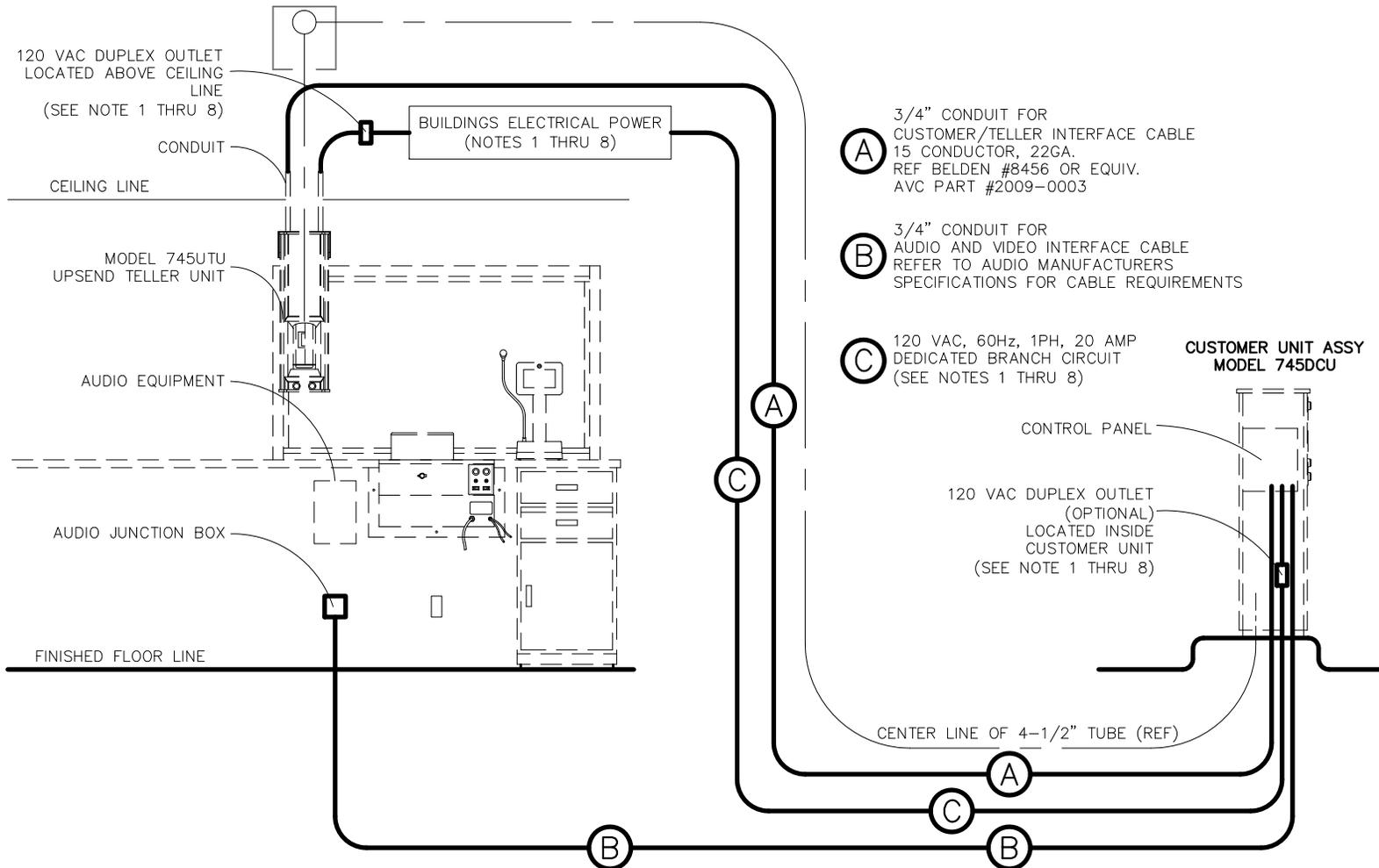
DO NOT SCALE

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PRODUCT APPLICATION DRAWING
MODEL 745UD 4-1/2" UP/DOWN REMOTE SYSTEM
(MODEL 745DCUS 4-1/2" CUSTOMER UNIT DETAILS)
(6" to 9" RECOMMENDED TUBE SETBACK)

SIZE	DWG NO	DATE	SHEET
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(A) 3/4" CONDUIT FOR CUSTOMER/TELLER INTERFACE CABLE
15 CONDUCTOR, 22GA.
REF BELDEN #8456 OR EQUIV.
AVC PART #2009-0003

(B) 3/4" CONDUIT FOR AUDIO AND VIDEO INTERFACE CABLE
REFER TO AUDIO MANUFACTURERS SPECIFICATIONS FOR CABLE REQUIREMENTS

(C) 120 VAC, 60Hz, 1PH, 20 AMP DEDICATED BRANCH CIRCUIT
(SEE NOTES 1 THRU 8)

CUSTOMER UNIT ASSY
MODEL 745DCU

CONTROL PANEL

120 VAC DUPLEX OUTLET (OPTIONAL)
LOCATED INSIDE CUSTOMER UNIT
(SEE NOTE 1 THRU 8)

CENTER LINE OF 4-1/2" TUBE (REF)

DO NOT SCALE

- NOTES:
1. THE BRANCH CIRCUITS SUPPLYING THE 745 SERIES RTS MUST BE A DEDICATED CIRCUIT USING INDIVIDUAL HOT, NEUTRAL AND GROUND CONDUCTORS.
 2. NEITHER THE CONDUIT NOR THE NEUTRAL SHOULD BE SHARED WITH OTHER CIRCUITS.
 3. CONDUIT MUST NOT BE USED IN PLACE OF GROUND WIRE.
 4. CUSTOMER UNIT LOAD IS 9.0 AMPS. TELLER UNIT LOAD IS 1.0 AMP. NO OTHER LOADS ARE TO BE CONNECTED TO THIS CIRCUIT.
 5. ONE BREAKER IS TO SHUT DOWN ONE SYSTEM (CUSTOMER & TELLER UNIT) ONLY.
 6. ALL WORK AND MATERIALS SHALL CONFORM TO NATIONAL, STATE & LOCAL ELECTRICAL CODES WHERE APPLICABLE.
 7. ALL CONDUIT, POWER WIRES, JUNCTION BOXES, ETC. ARE TO BE PROVIDED BY OWNER'S ELECTRICAL CONTRACTOR.
 8. THE OWNER'S ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE GROUNDING OF ELECTRICAL EQUIPMENT.

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PRODUCT APPLICATION DRAWING
MODEL 745UD 4-1/2" UP/DOWN REMOTE SYSTEM
(UPSEND TU to DOWNSEND CU)

SIZE	DWG NO	DATE	SHEET
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