



ELECTRICAL AND DATA CABLE INSTALLATION

for

Washington Metropolitan Area Transit Authority

Contract Number FQ17021

VOLUME 3

Drawings

Part 2c

AFC Mezzanine Plans

Red Line

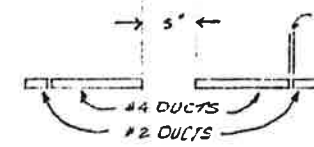
November 9, 2016

Final Submission

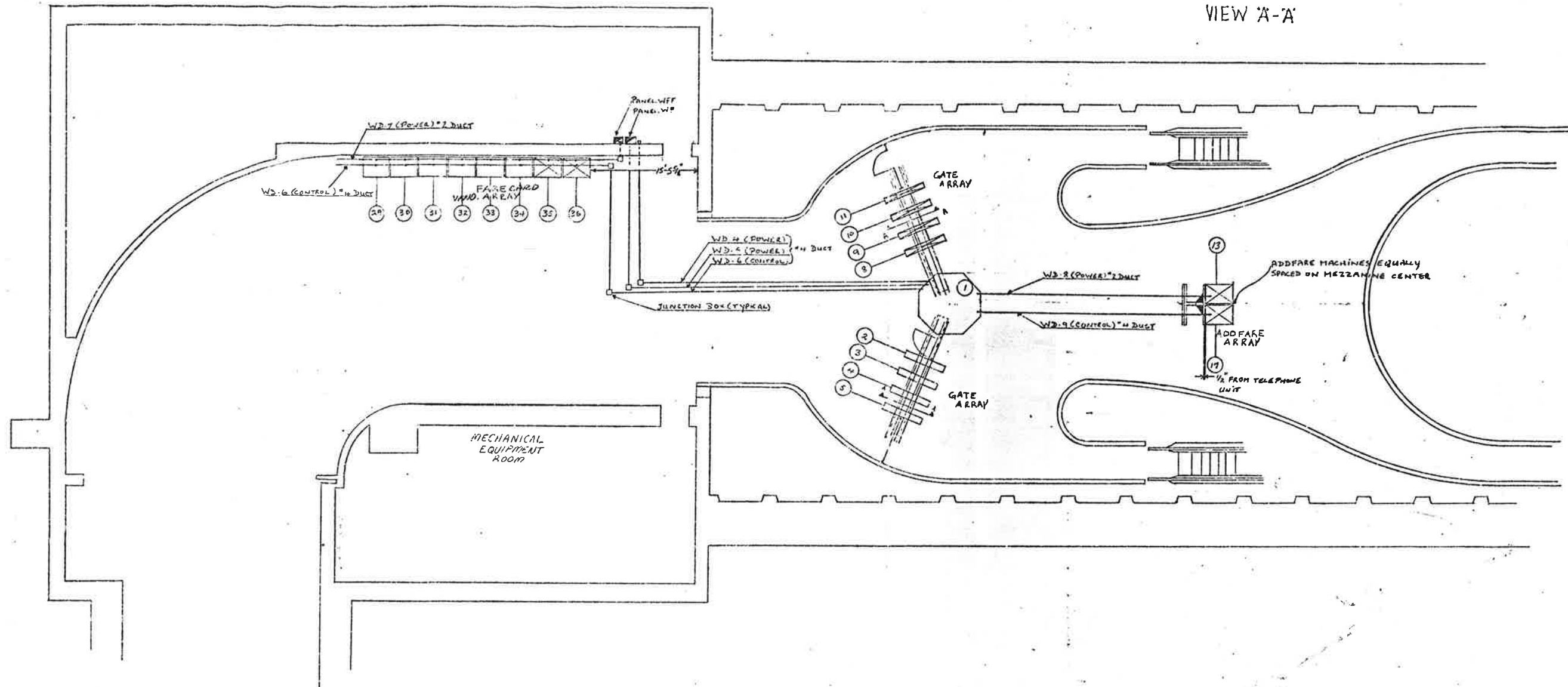
NOTES:

1. ALL INFORMATION CONCERNING DUCTS AND CONDUITS IS BASED ON INFORMATION SUPPLIED CUBIC WESTERN DATA BY WMIATA

REVISIONS		
DESCRIPTION	DATE	APVD
AS BUILT DRAWING REV. A	5-10-77	[Signature]



VIEW 'A-A'



2. TOTAL MACHINE INVENTORY IS DEPICTED ON THIS DRAWING

3. THE MINIMUM OPERATIONAL MACHINE IS REFERENCED ON THIS DRAWING BY THE 'X' DRAWN THRU THE DRAWING

4. FOR AS BUILT CONDITIONS SEE SHEET 2

5. FOR REF DWGS SEE SUPPORT DOCUMENT PACKAGES FOR THIS MEZZANINE

1- INSTALLATION PLAN
(AS BUILT CONDITIONS)

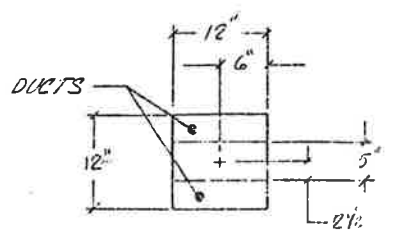
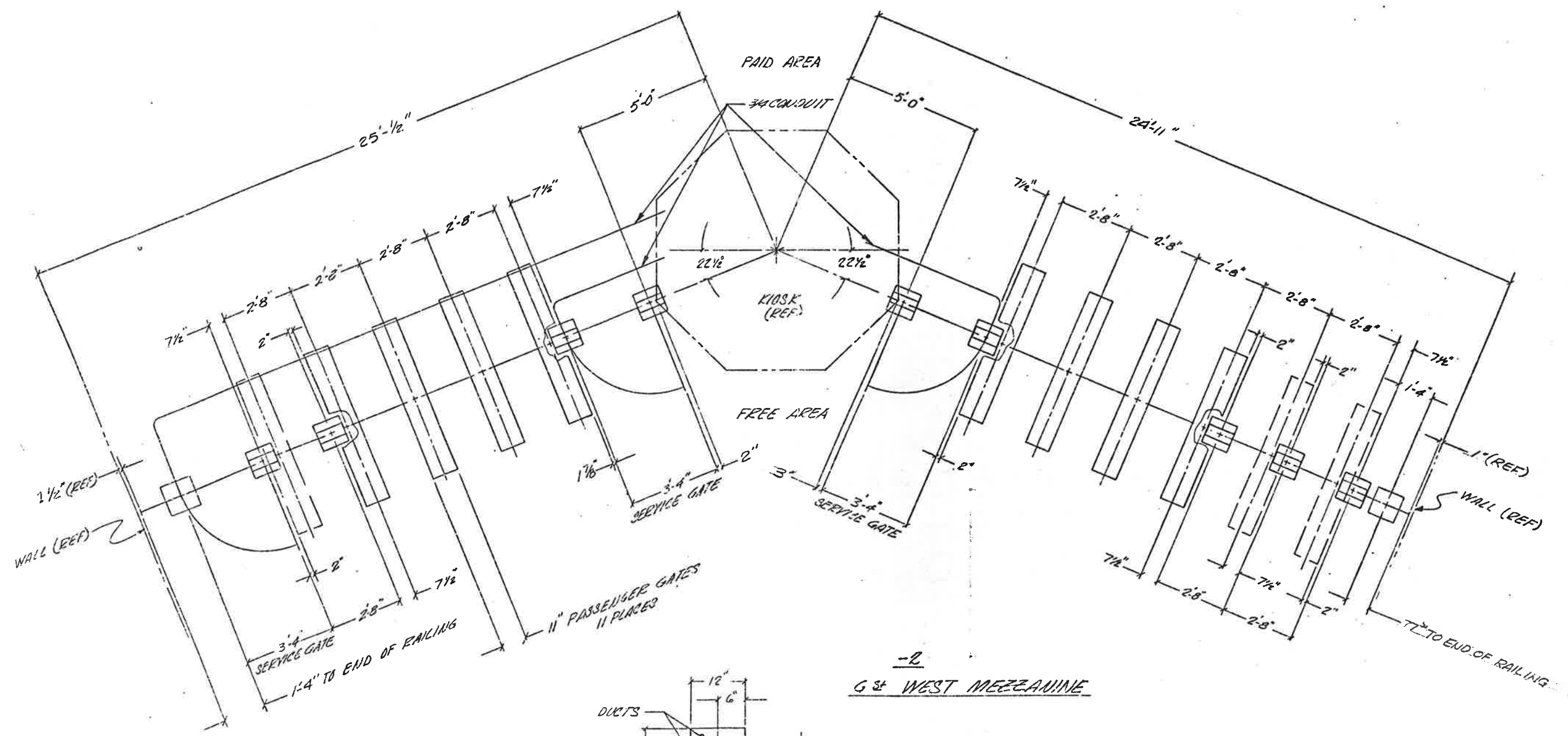
PRIORITY REQUESTS ARE HEREBY GIVEN FOR BOTH ESCALATORS TO RUN FROM THE STREET LEVEL TO THE MEZZANINE FL.

WASHINGTON METROPOLITAN
AREA TRANSIT AUTHORITY

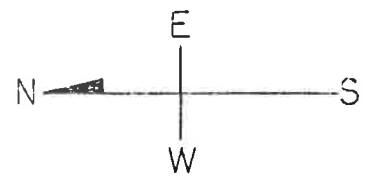
CONTRACT NUMBER		CUBIC WESTERN DATA A subsidiary of Cubic Corporation 510 KEARNEY MEESA ROAD • POST OFFICE BOX 80787 • SAN DIEGO, CA 92138	
REF.	DESIGN	METRO CLEARING WORK SHEET ON APC MACHINES	
DESIGN ACTIVITY APPROVAL	SIZE	DRAWING NUMBER	REV
APPROVED	SCALE	956-0347	01
SHEET		OF 2	

NOTES: UNLESS OTHERWISE SPECIFIED

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APVD
	A	AS BUILT CONDITIONS	5-18-77	[Signature]



DETAIL (A)
11 PLACES
SCALE 1"=1'-0"



-2
G & WEST MEZZANINE

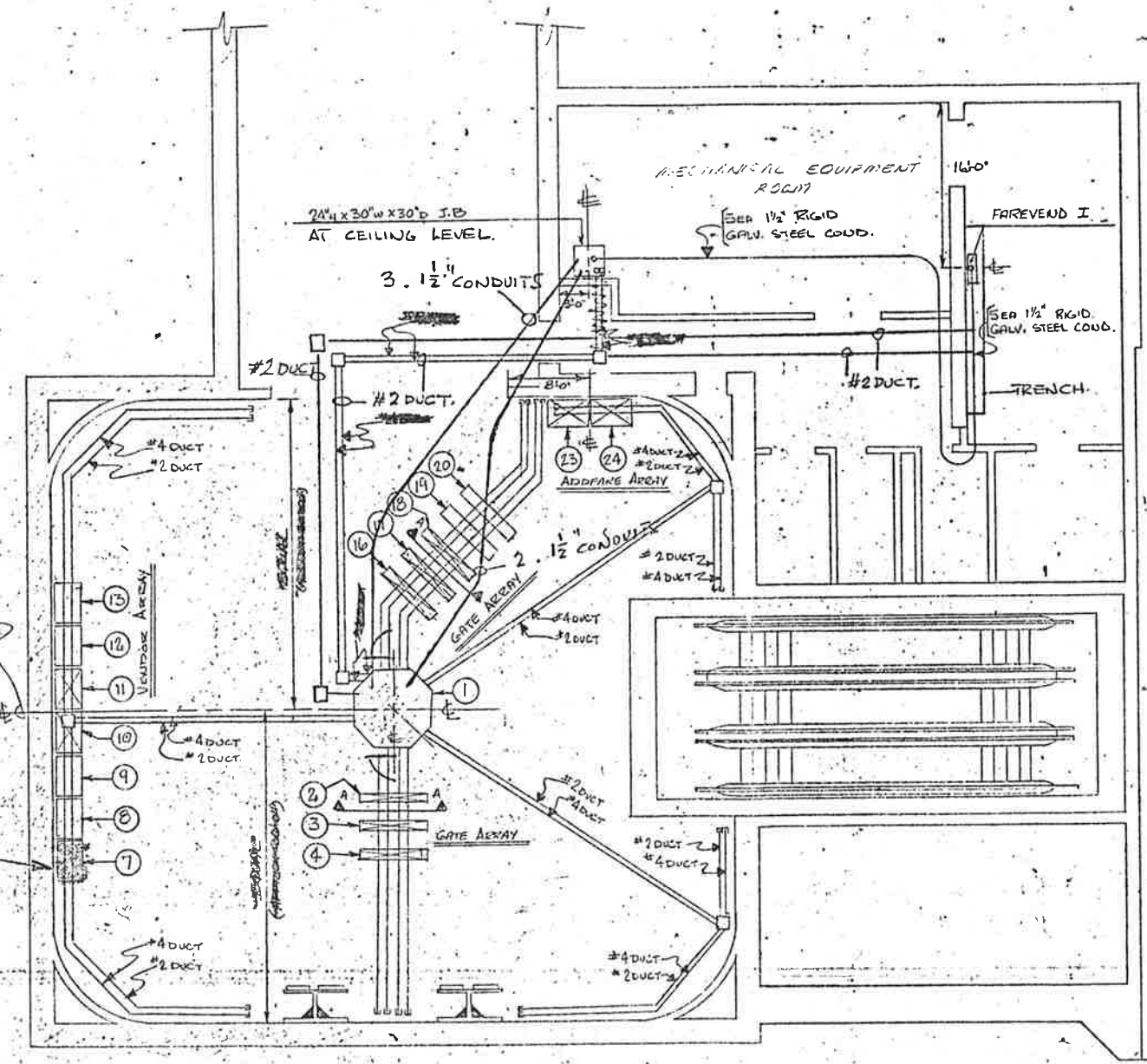
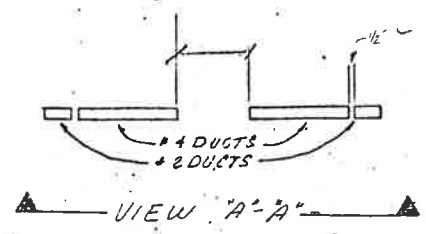
WASHINGTON METROPOLITAN
AREA TRANSIT AUTHORITY

UNLESS OTHERWISE SPECIFIED LINEAR DIMENSIONS ARE IN INCHES TOL ON DECIMALS XX ± .03 .XXX ± .010	UNLESS OTHERWISE SPECIFIED HOLE TOLERANCES ARE:	CONTRACT NUMBER 2E007A		CUBIC WESTERN DATA A subsidiary of Cubic Corporation 1650 KEARNY MESA ROAD • POST OFFICE BOX 63787 • SAN DIEGO CA 92138	
		DESIGN ACTIVITY APPROVAL [Signature] APPROVED		METRO CENTER STATION SERVICE GATE & RAILING G & WEST MEZZANINE	
HOLE DIA	TOLERANCES	REL MAINT STD ENGRG DESIGN CHECK DRAWN	SIZE CODE IDENT NO D 94987	DRAWING NUMBER 926-0328 (01)	REV A
.0135 THRU .125	+0.04 -0.01		SCALE 1/4"=1'-0"	5-18-77	SHEET 2 OF 2
.126 THRU .250	+0.05 -0.01				
.251 THRU .500	+0.06 -0.01				
.501 THRU .750	+0.08 -0.01				
.751 THRU 1.000	+0.10 -0.01				

REVISIONS	DATE	APVD
DESCRIPTION		

NOTES:

- ALL INFORMATION CONCERNING DUCTS AND CONDUITS IS BASED ON INFORMATION SUPPLIED TO CUBIC WESTERN DATA BY W.M.A.T.A.
- MACHINE INVENTORY IS DEPICTED ON THIS DRAWING.
- THE MINIMUM OPERATIONAL MACHINE INVENTORY IS REFERENCED ON THIS DRAWING BY THE 'X' DRAWN THRU THE MACHINE.
- FOR AS BUILT CONTINUATION, SEE DRAWING #2 INSTALLMENT PLAN.
- FOR REFERENCE DRAWINGS SEE SUPPORT DOCUMENT PACKAGE FOR THIS MEZZANINE.



VENDOR ARRAY EQUIP EQUAL SPACED ON Q OF ROOM

THIS MACHINE NOT IN C-WD CONTRACT.

PRIORITY REQUESTS ARE HEREBY GIVEN FOR ESCALATORS (STREET TO MEZZANINE) AND THE ELEVATORS THAT RUN FROM THE STREET LEVEL TO THE MEZZANINE.

No 1 INSTALLATION PLAN

SCALE: 1/8" = 1'-0" U.O.N.

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

APPROVED AS CORRECTED (RESUBMITTAL REQUIRED)

Approval Does Not Relieve the Contractor of the Responsibility for the Accuracy of this Document or for Full Compliance with the Contract Requirements.

BY: *Patrick S. Stone*
For Contracting Officer

DATE: 12-7-76

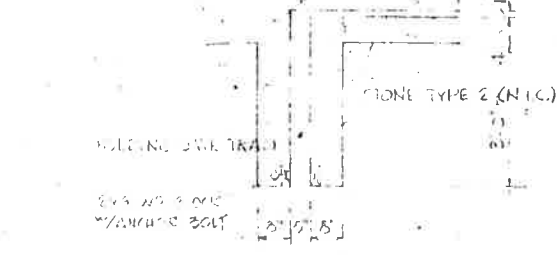
CP-22007A-120-4-0
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

CONTRACT NUMBER 22007A		CUBIC WESTERN DATA <small>A Subsidiary of Cubic Corporation 3650 NEARBY MESA ROAD • POST OFFICE BOX 90781 • SAN DIEGO, CALIF. 92109</small>	
REL		FARRAGUT NORTH NORTHEAST STATION AFC MACHINES	
ENGRG			
DESIGN			
CHECK			
DESIGN ACTIVITY APPROVAL	SIZE D	DRAWING NUMBER 926-0395	REV 0
APPROVED <i>BM</i>		SCALE 1/8" = 1'-0"	SHEET 1 OF 3

POSITION NUMBER	EQUIPMENT IDENTIFICATION			POSITION NUMBER	EQUIPMENT IDENTIFICATION		
	INITIAL	ULTIMATE	MIN. OPNL.		INITIAL	ULTIMATE	MIN. OPNL.
1	DADS	DADS	DADS	21		REV	
2	END B	END B		22		EXIT	
3	REV	REV		23	ADDFARM	ADDFARM	
4	ENTRY	ENTRY		24	TRANSFER	TRANSFER	
5		FARCLAD	UNDRR	25	TRANSFER	TRANSFER	
6		"		26	TRANSFER	TRANSFER	
7		"		27	TRANSFER	TRANSFER	
8	FARCLAD	"		28	TRANSFER	TRANSFER	
9	"	"		29	TRANSFER	TRANSFER	
10	"	"		30	TRANSFER	TRANSFER	
11	"	"		31			
12	"	"		32			
13	"	"		33			
14		"		34			
15		"		35			
16	END A	END A		36			
17	REV	REV		37			
18	REV	REV		38			
19	REV	REV		39			
20	EXIT	REV		40			
				41			

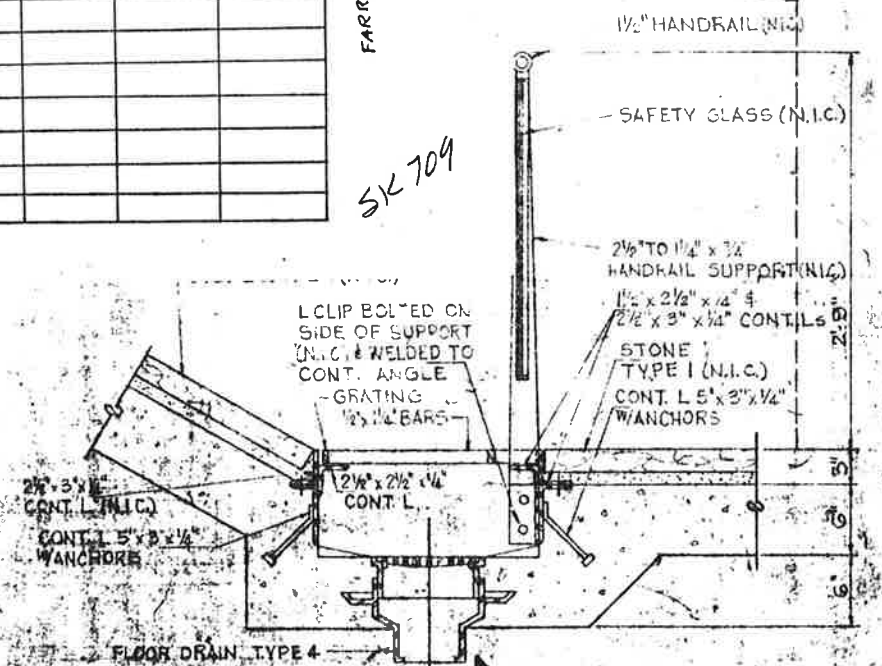
FARRACUT NORTH, NORTHEAST

SK 709

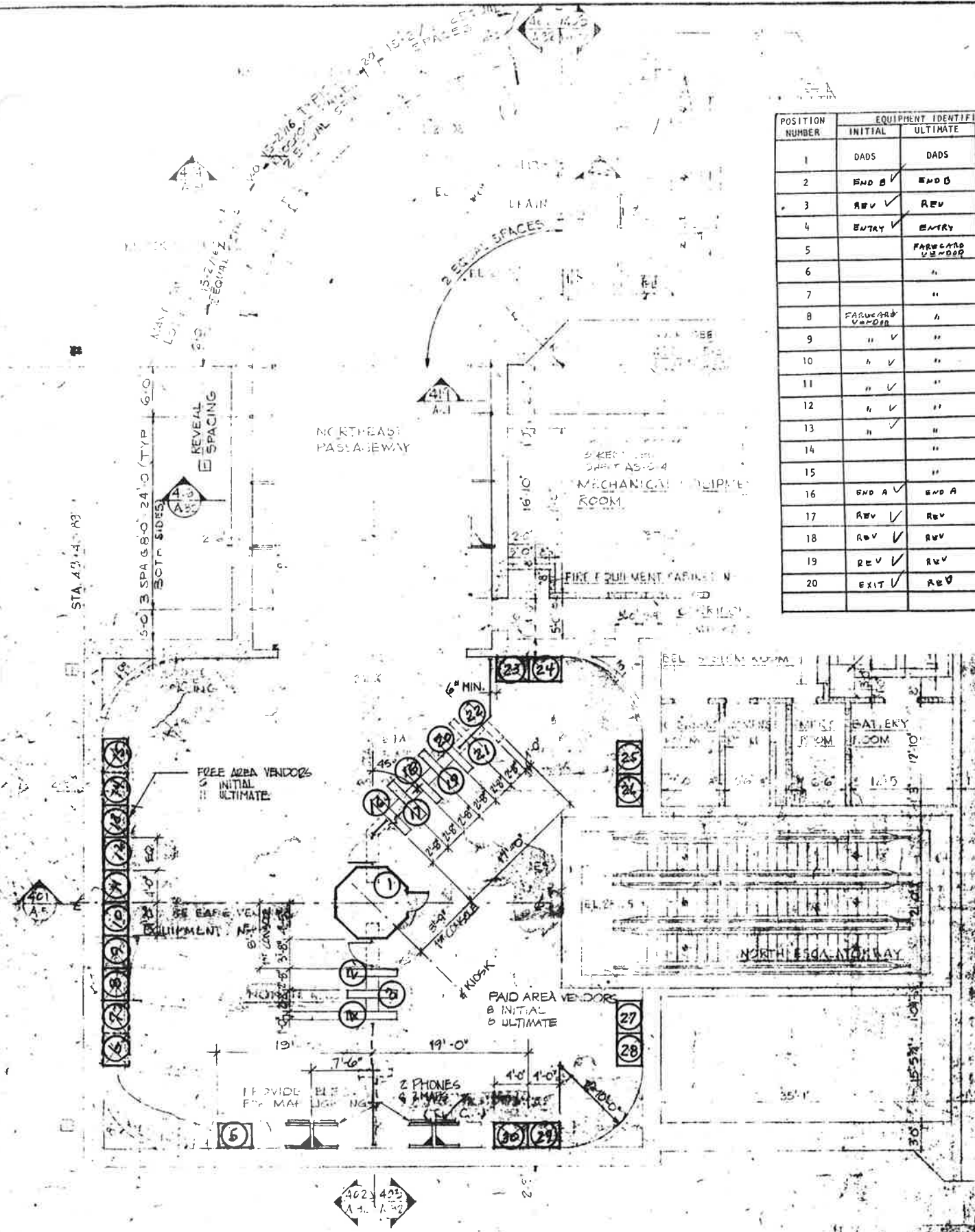


DETAIL
SCALE 1/2"=1'-0"

T SIDE OF
ENTRANCE
N (M10-271)
293 (M10-275)



GRATING & RAIL
SCALE 1/2"=1'-0" A-9, 10, 30, 33

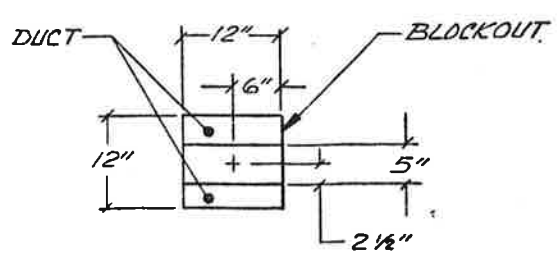
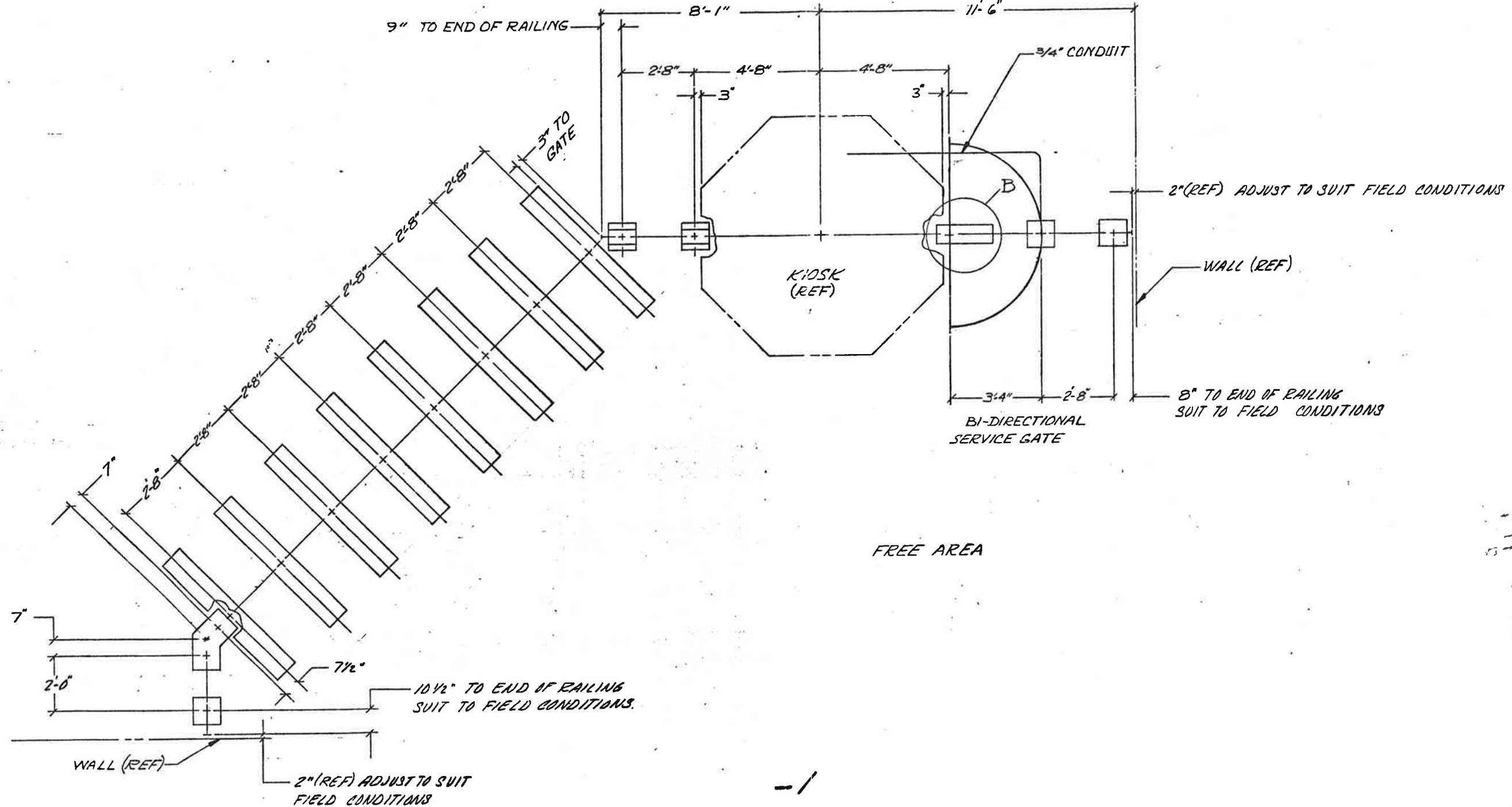


DESIGNED	HWA
DRAWN	JJK
CHECKED	JDT
APPROVED	Munich

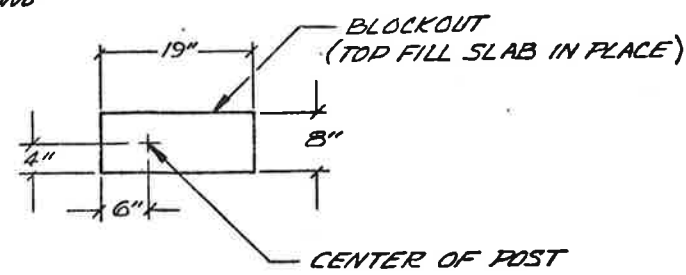
SK-709

04

Paid Area



DETAIL A
2 PLACES
SCALE 1" = 1'-0"



DETAIL
SCALE 1" = 1'-0"

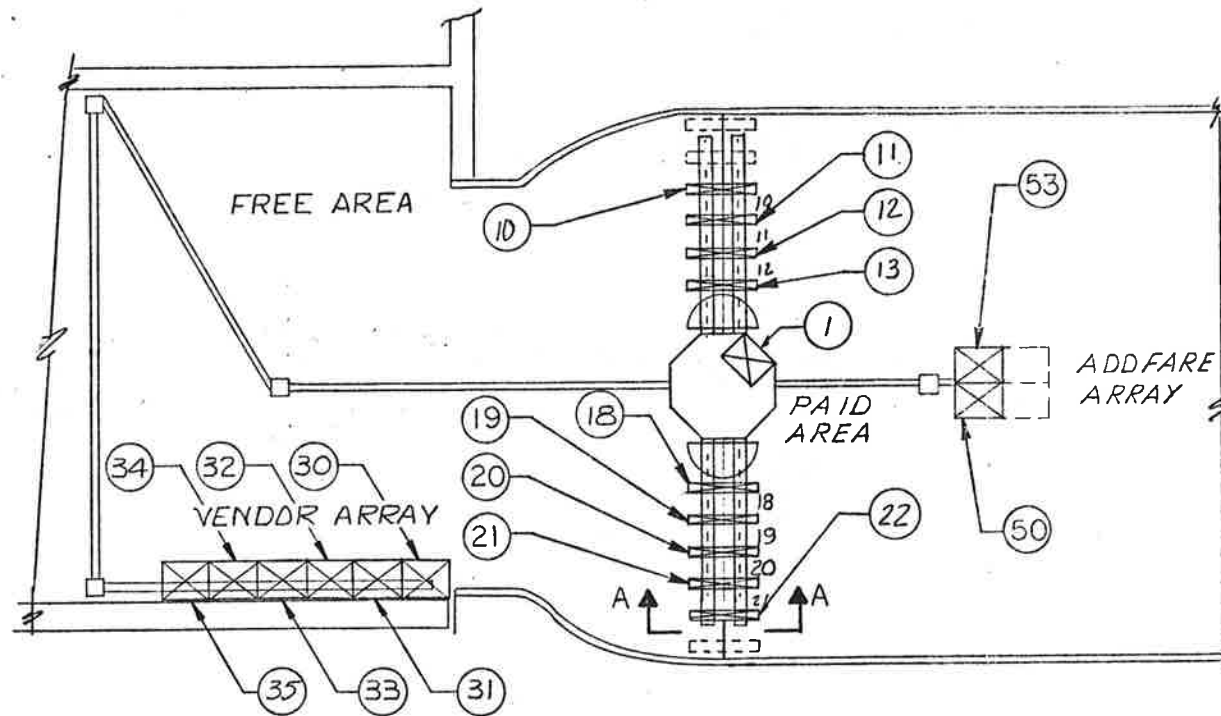
NOTICE OF PROPRIETARY RIGHTS IN DATA

THE DATA CONTAINED HEREIN IS PROPRIETARY TO CUBIC WESTERN DATA (CWD). THIS DATA SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CWD.

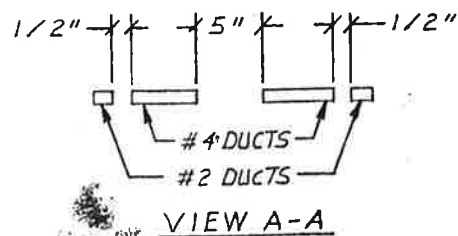
DO NOT SCALE DRAWING		UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES		BREAK SHARP EDGES .010 MAX	
TOLERANCES ON		ANGLES: ± 0.5 DEG.	
DECIMALS: .XX ± .03		XXX ± .010	
HOLES		ANGLES: ± 0.5 DEG.	
.015 THRU .125: +.004 - .001		.251 THRU .500: +.006 - .001	
.128 THRU .250: +.005 - .001		.501 THRU .750: +.008 - .001	
.751 THRU 1.000: +.010 - .001			
REV	DATE	BY	CHKD
1			
2			
3			
4			
5			
6			
7			
8			
CONTRACT NUMBER			
DRAWING NUMBER 926-0437			
SHEET / OF /			
TITLE TENLEY TOWN STATION SERVICE GATE AND RAILING			
CUBIC WESTERN DATA A subsidiary of Cubic Corporation 3601 NEARBY MESA ROAD - POST OFFICE BOX 8078 - SAN DIEGO, CA 92178			
CODE IDENT NO. 94987			
REV	DATE	BY	CHKD
1			
2			
3			
4			
5			
6			
7			
8			

NOTES:

1. THE MINIMUM OPERATIONAL MACHINE INVENTORY IS REFERENCED ON THIS DRAWING BY THE "X" DRAWN THROUGH THE MACHINE.
2. FOR REFERENCE DRAWINGS USED SEE SUPPORT DOCUMENTATION PACKAGE FOR THIS MEZZANINE.



-1 INSTALLATION PLAN



MACH	LOCATION	INVENTOR	CWD SERIAL NO'S	C/B NO'S	BREAKER SIZE	WIRE SIZE
1	DAPS	1	DES 505	EMERG	20 AMPS	#12
2	END, A	13	GA5502	24		
3	REV	12	GR7511	23		
4	REV	11	GR7502	22		
5	EXIT	10	GX4503	21		
6	END, B	18	GB6502	25		
7	REV	19	GR7509	26		
8	REV	20	GR7518	27		
9	REV	21	GR7501	28		
10	ENTRY	22	GN3505	29	20 AMPS	#6
11						
12						
13	VENDOR	30	FV1118	1	20 AMPS	#10
14	VENDOR	31	FV1323	2		
15	VENDOR	32	FV1268	3		
16	VENDOR	33	FV1183	4		
17	VENDOR	34	FV1340	5		
18	VENDOR	35	FV1164	6	20 AMPS	#10
19						
20						
21						
22						
23	ADD FARE	50	AM2135	31	20 AMPS	#6
24	ADD FARE	51	AM2130	30	20 AMPS	#6
25						
26						
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33						
34						

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES - BREAK SHARP EDGES .010 MAX
TOLERANCES ON HOLES ANGLES: ±0.5 DEG.
DECIMALS: XX ±.03 .XXX ±.010
.0155 THRU .1251 +.004 - .001 .251 THRU .500: +.006 - .001
.126 THRU .250: +.005 - .001 .501 THRU .750: +.008 - .001
.751 THRU 1.000: +.010 - .001

REV	DATE	BY	CHKD	APP'D	REASON
1					
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3					
4					
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33					
34					

CONTRACT NUMBER: _____

DRAWING NUMBER: 926-0446

SHEET 1 OF 1

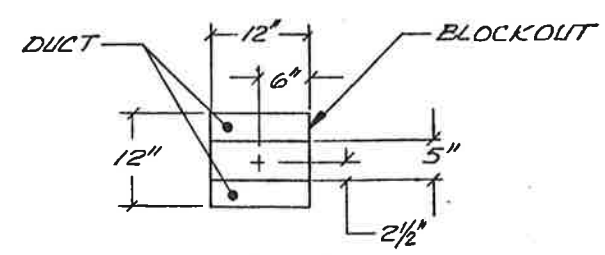
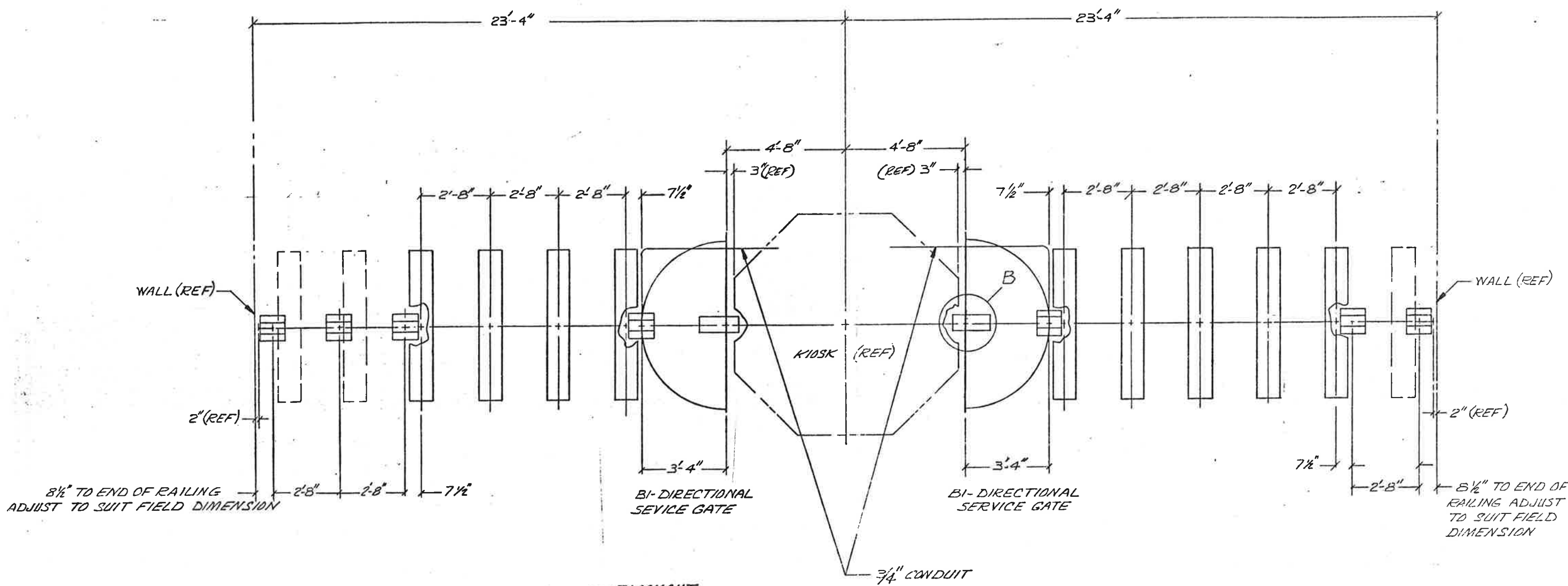
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CODE IDENT NO. 94987

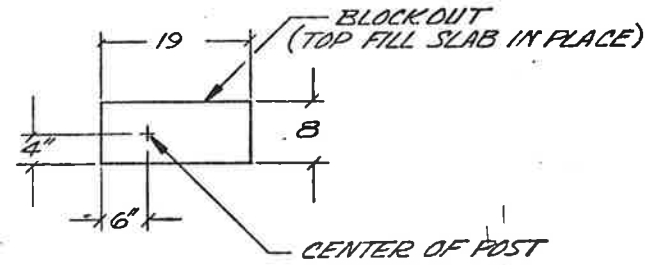
DRAWN: _____
CHECKED: _____
DESIGN: _____
ENGINEER: _____
DESIGNER: _____
APPROVAL: _____

926-0446

PAID AREA



DETAIL A
7 PLACES
SCALE 1" = 1'-0"



DETAIL B
2 PLACES
SCALE 1" = 1'-0"

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
DECIMALS: .XX ± .03 .XXX ± .010
ANGLES: ± 0.5 DEG.
HOLE SIZES
.0135 THRU .125: +.004 - .001
.128 THRU .250: +.005 - .001
.251 THRU 1.000: +.010 - .011

REV	DATE	BY	CHKD	DESCRIPTION
1				ISSUED FOR PERMITS
2				ISSUED FOR CONSTRUCTION

CONTRACT NUMBER
DRAWING NUMBER
926-0442
SHEET 1 OF 2

TITLE
SERVICE GATE AND RAILINGS

CUBIC WESTERN DATA
A Division of Cubic Corporation
3600 MERRILL AVENUE, SUITE 200 • SAN DIEGO, CALIFORNIA 92105

CODE IDENT NO.
94987

DATE	9/26/04
DRAWN	A. J. [Signature]
CHECKED	[Signature]
DESIGNED	[Signature]
REGION	ACTIVITY APPROVAL
APPROVAL	[Signature]

D 926-0442

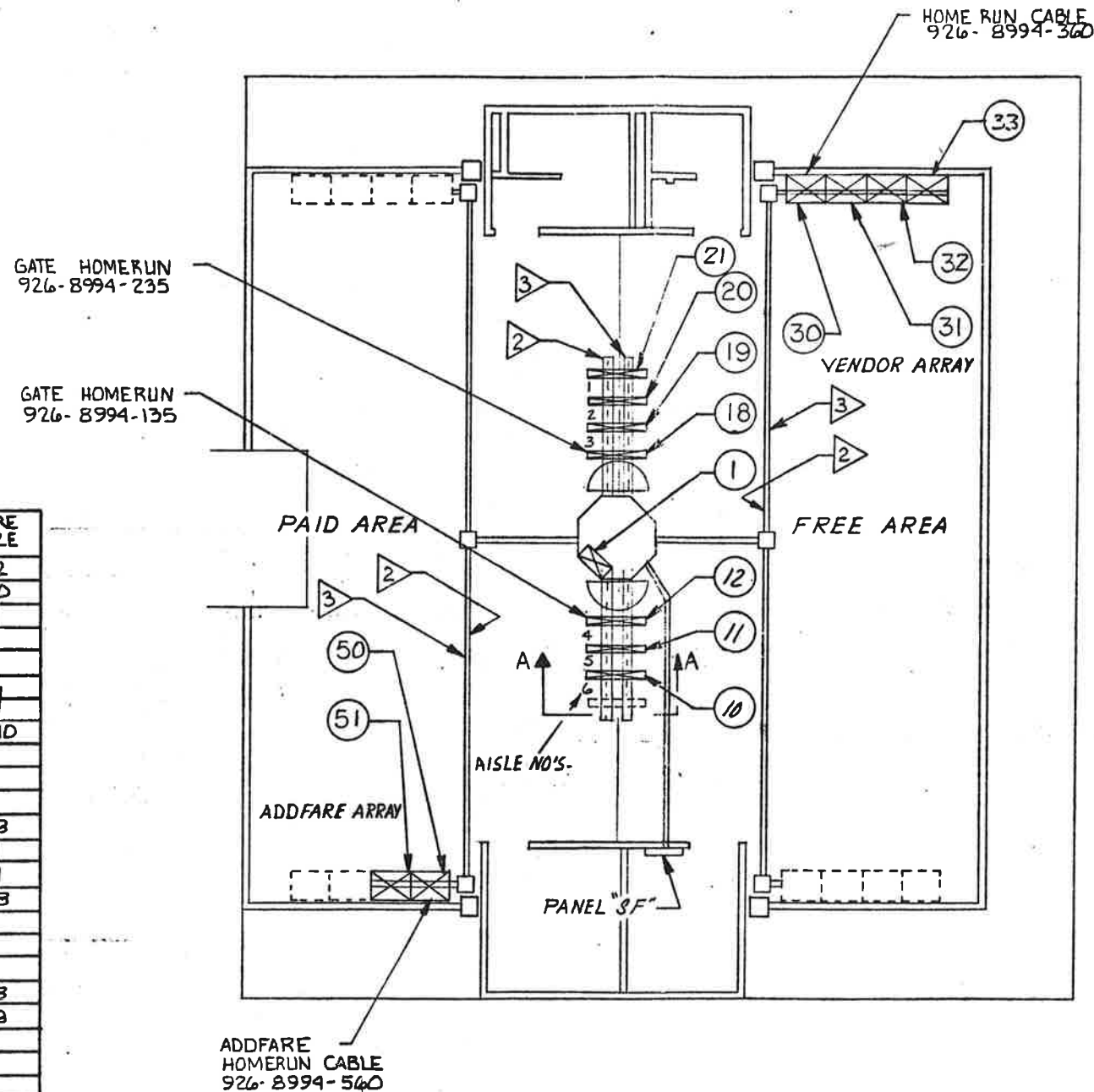
NOTES :

1. THE MINIMUM OPERATIONAL MACHINE INVENTORY IS REFERENCED ON THIS DRAWING BY THE "X" DRAWN THROUGH THE MACHINE.

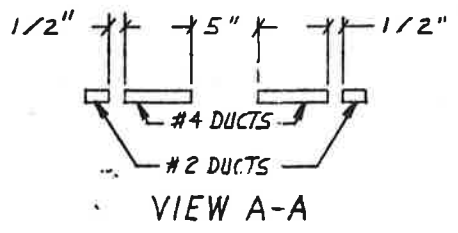
2. UNDER FLOOR DUCT - POWER
6 1/2" X 1 1/2"

3. UNDER FLOOR DUCT - CONTROL
3 1/8" X 1 1/4"

MACHINE INVENTORY	LOCATION	C/B No's	EMERG.	CWD MACHINE NUMBERS	CWD SERIAL NUMBERS	BREAKER ND.	BREAKER SIZE	WIRE SIZE
1	DAD	1	EMERG.	1	DS8062		20 AMPS	# 12
2	END A	12	9	12	GA5054			# 10
3	REV	11	11	11	GR7292			
4	EXIT	10	13	10	GX4071			
5	END B	18	1	18	GB6050			
6	REV	19	3	19	GR7297			
7	REV	20	5	20	GR7287			
8	ENTRY	21	7	21	GR3077		20 A	# 10
9								
10								
11								
12	VENDOR	30	2	30	FV1524		20 A	# B
13	VENDOR	31	4	31	FV1519			
14	VENDOR	32	6	32	FV1522			
15	VENDOR	33	8	33	FV1520		20 A	# B
16								
17								
18								
19	ADDFARE	50	10	50	AM2509		20 A	# B
20	ADDFARE	51	12	51	AM2504		20 A	# B
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								



-1 INSTALLATION PLAN
15



DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON ANGLES: ± 0.5 DEG.
DECIMALS: .XX ± .03 .XXX ± .010
HOLES: .251 THRU .500: +.008 -.001
.501 THRU .750: +.008 -.001
.751 THRU 1.000: +.010 -.001

REVISIONS

REV	DATE	BY	APP	REASON

CONTRACT NUMBER

DRAWING NUMBER
926-0444

SHEET OF

CUBIC WESTERN DATA
A Subsidiary of Data Corporation
5601 FARMERS ROAD, POST OFFICE BOX 8079, SAN DIEGO, CALIF 92108

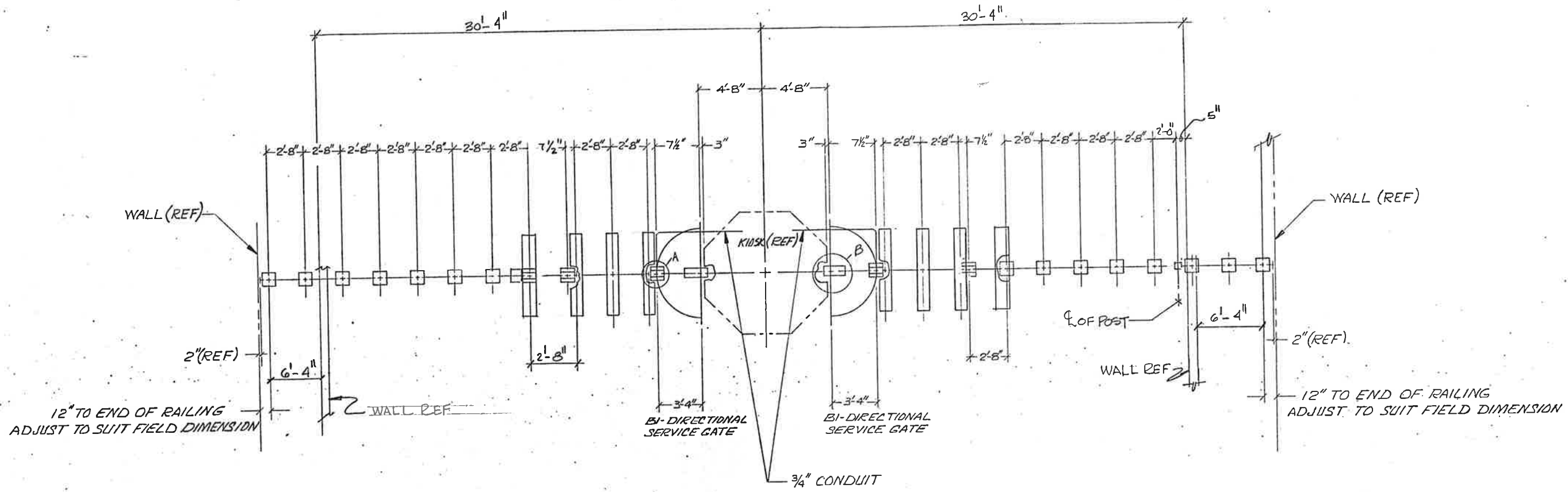
INSTALLATION PLAN -
WHITE FLINT STATION

CODE IDENT NO.
94987

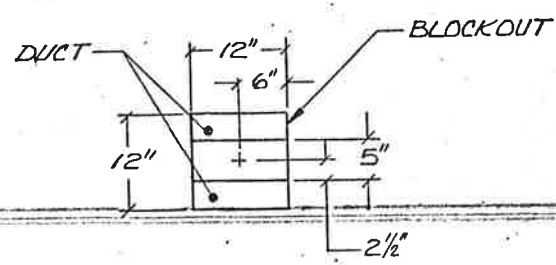
DRAWN: L.D.N.
CHECKED: J.S.
DESIGN: J.S.
ENGR: J.S.
APPROVAL: J.S.

926-0444

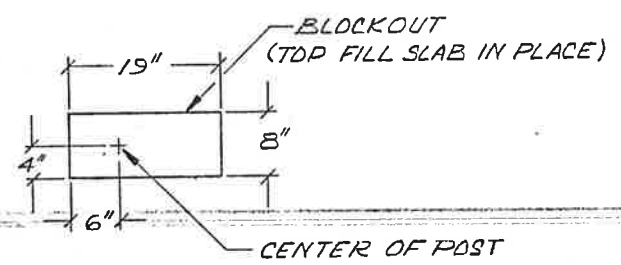
PAID AREA



FREE AREA



DETAIL A
5 PLACES
SCALE 1"=1'-0"



DETAIL B
2 PLACES
SCALE 1"=1'-0"

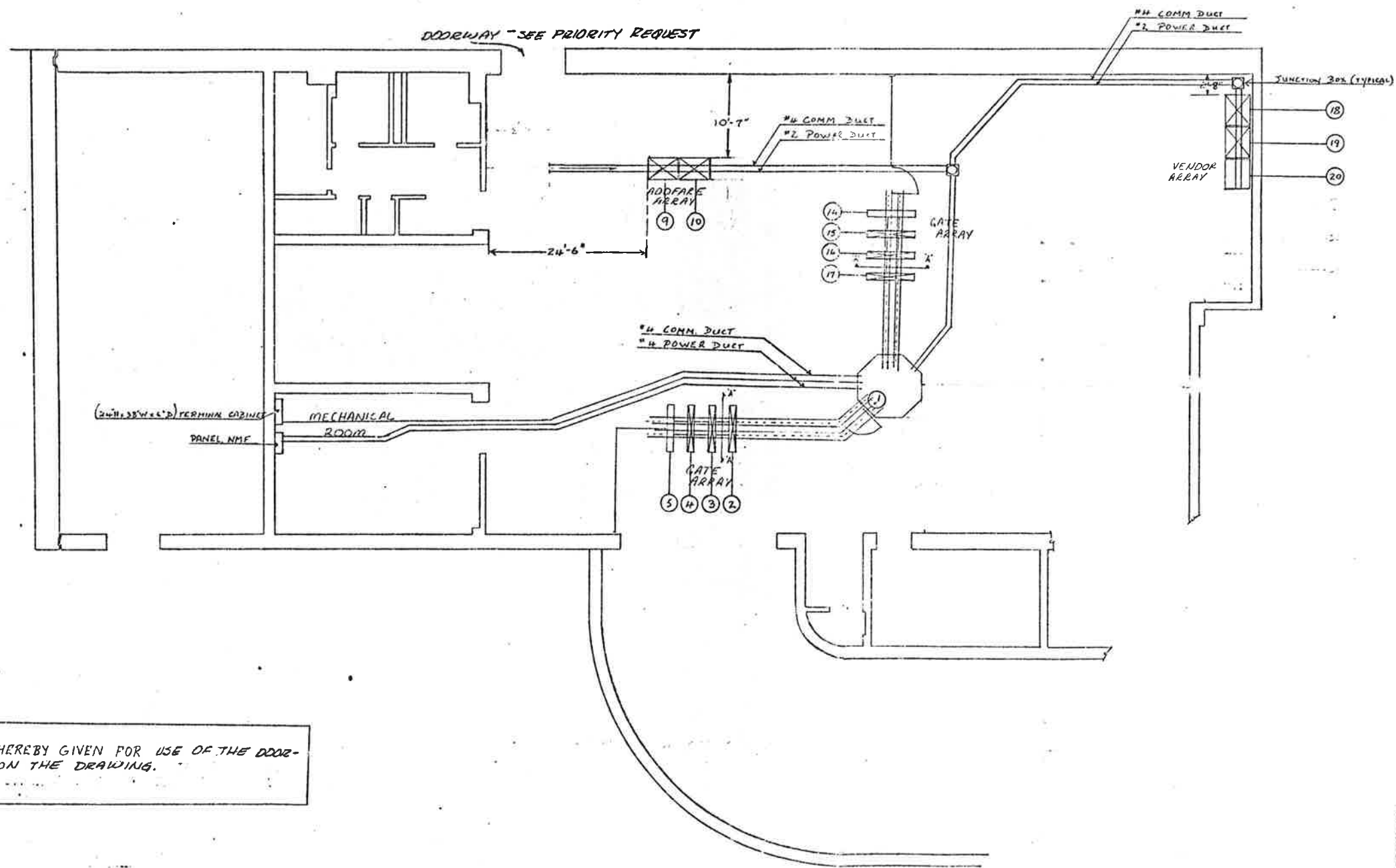
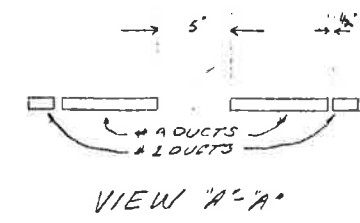
DO	SCALE DRAWING	UNLESS OTHERWISE SPECIFIED	BREAK SHARP EDGES .010 MAX
DIMENSIONS ARE IN INCHES		TOLERANCES ON	ANGLES: ± 0.5 DEG.
DECIMALS: .XX ± .03 .XXX ± .010		HOLES	
.0135 THRU .125: +.004 - .001	.251 THRU .500: +.006 - .001	.501 THRU .750: +.008 - .001	.751 THRU 1.000: +.010 - .001
REVISIONS			
NO.	DATE	BY	APP.
1	1/21/71	J.E.C.	
2	2/23/71	J.E.C.	
3	3/11/71	J.E.C.	
4	3/11/71	J.E.C.	
CONTRACT NUMBER			
DRAWING NUMBER 926-0436			
SHEET / OF /			
TITLE WHITE FLINT STATION SERVICE GATE AND RAILING			
CODE IDENT NO. 94987			
DATE	BY	APP.	SCALE
1/21/71	J.E.C.		1"=1'-0"
2/23/71	J.E.C.		
3/11/71	J.E.C.		
3/11/71	J.E.C.		
DRAWN: J.ETHERIDGE			
CHECK: J.E.C.			
DESIGN: J.E.C.			
REVISION: J.E.C.			
APPROVAL: J.E.C.			
DATE: 1/21/71			
SCALE: 1"=1'-0"			

CUBIC WESTERN DATA
A Subsidiary of Cane Corporation
5650 NEARBY MESA ROAD • POST OFFICE BOX 8970 • SAN DIEGO, CA 92138

NOTES:

1. ALL INFORMATION CONCERNING DUCTS AND CONDUITS IS BASED ON INFORMATION SUPPLIED TO CUBIC WESTERN DATA BY WHATA.
2. TOTAL MACHINE INVENTORY IS DEPICTED ON THIS DRAWING
3. THE MINIMUM OPERATIONAL MACHINE INVENTORY IS REFERENCED ON THE DRAWING BY THE 'X' DRAWN THRU THE MACHINE
4. FOR AS BUILT CONDITIONS SEE SHEET 2
5. FOR REF DWGS SEE SUPPORT DOCUMENT PACKAGE FOR THIS MEZZANINE

REVISIONS		
DESCRIPTION	DATE	APVD
AS BUILT DRAWING REV A	5-10-77	[Signature]



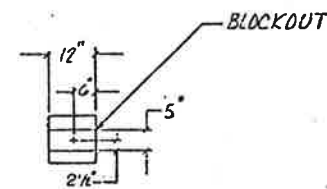
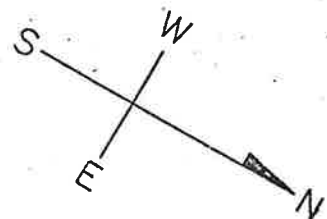
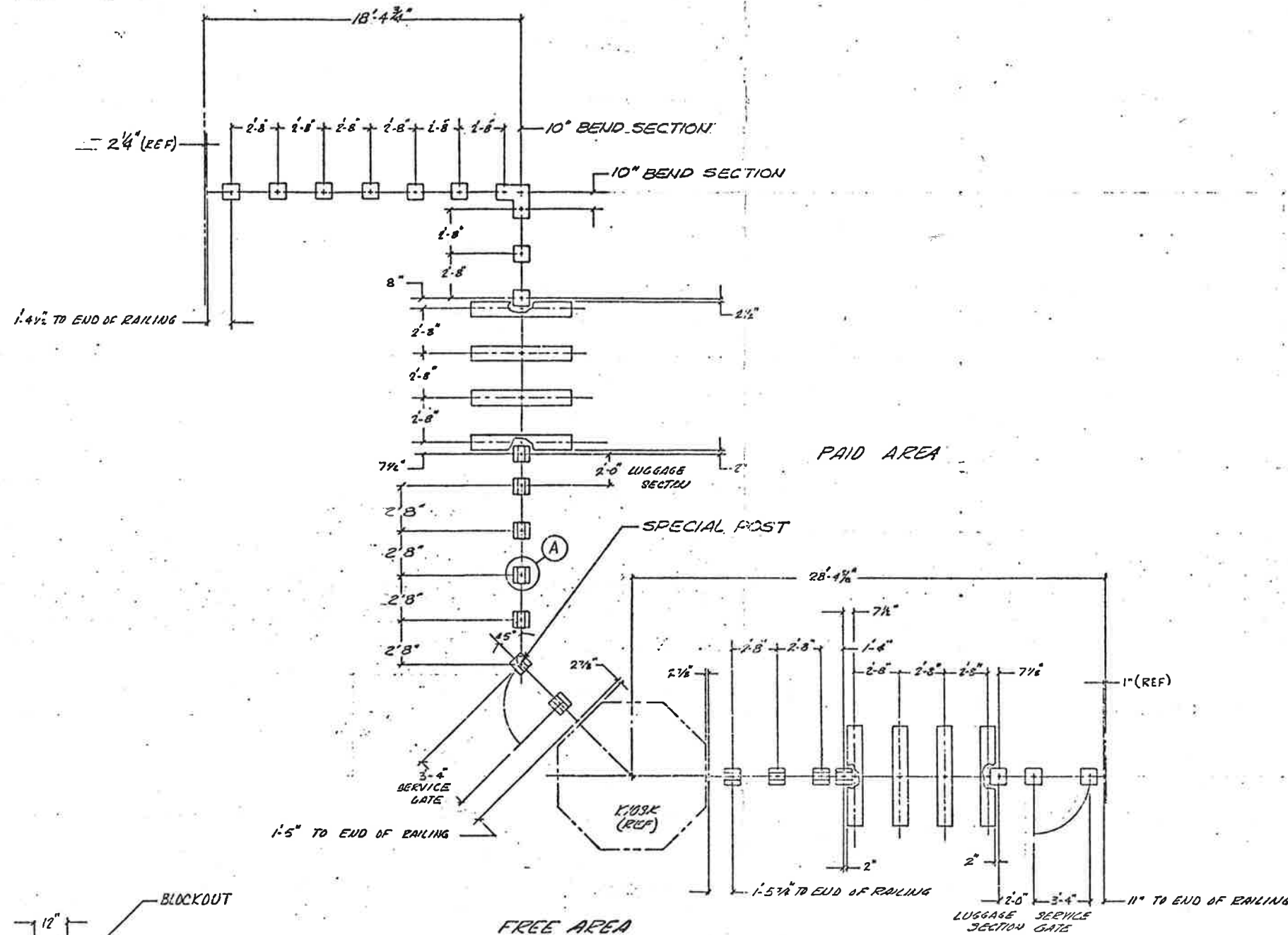
PRIORITY REQUESTS ARE HEREBY GIVEN FOR USE OF THE DOORWAY THAT IS DENOTED ON THE DRAWING.

1. INSTALLATION PLAN
(AS BUILT CONDITIONS)

CONTRACT NUMBER		CUBIC WESTERN DATA <small>A subsidiary of Cubic Corporation 3650 KEARNY MESA ROAD • POST OFFICE BOX 97187 • SAN DIEGO CA 92138</small>	
REL		[Handwritten notes]	
ENGRG			
DESIGN			
CHECK			
DATE			
DESIGN ACTIVITY APPROVAL	SIZE	DRAWING NUMBER	REV
APPROVED		952-0012	25
SCALE		SHEET OF	

NOTES: UNLESS OTHERWISE SPECIFIED

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE
A		AS BUILT CONDITION	5-17-77



DETAIL (A)
25 PLACES
SCALE 1/2" = 1'-0"

WASHINGTON METROPOLITAN
AREA TRANSIT AUTHORITY

UNLESS OTHERWISE SPECIFIED LINEAR DIMENSIONS ARE IN INCHES TOL ON DECIMALS .XX .03 .XXX ± 0.10		CONTRACT NUMBER 22007A		CUBIC-WESTERN DATA SAN DIEGO, CALIFORNIA	
UNLESS OTHERWISE SPECIFIED HOLE TOLERANCES ARE:		REL MAINT STD ENGRG DESIGN CHECK DRAWN		UNION STATION SERVICE GATES & RAILING NORTH MEZZANINE	
HOLE DIA	TOLERANCES	DESIGN ACTIVITY APPROVAL <i>[Signature]</i>	SIZE D	DRAWING NUMBER 94937	REV A
.0135 THRU .125	+0.04 -0.01	APPROVED 11/17/77	SCALE 1/4" = 1'-0"	926-0305	SHEET 1 OF 1
.126 THRU .250	+0.05 -0.01				
.251 THRU .500	+0.08 -0.01				
.501 THRU .750	+0.08 -0.01				
.751 THRU 1.000	+0.10 -0.01				

D

C

B

926-0305A

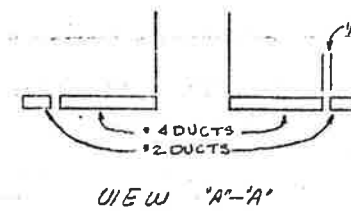
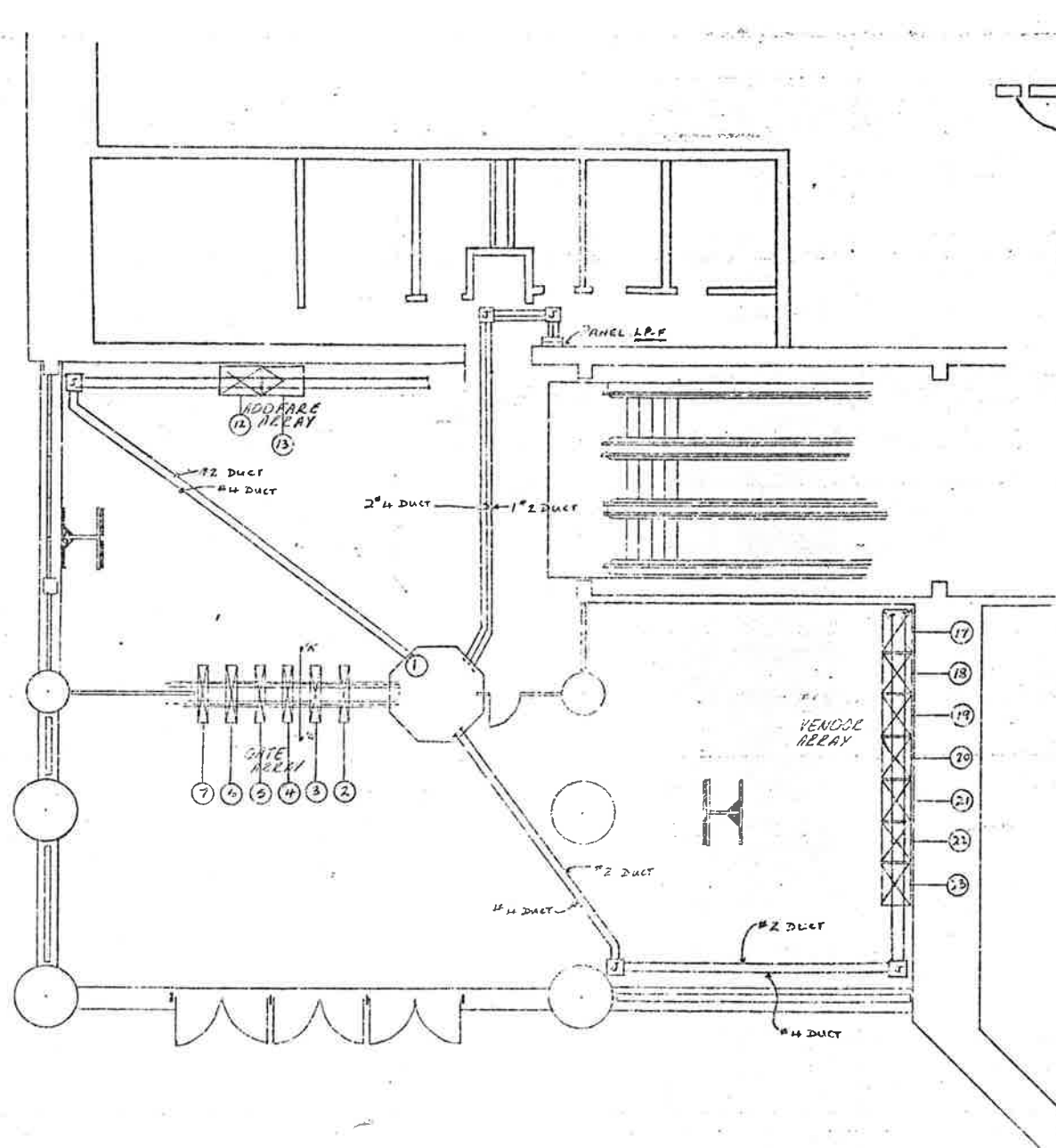
A

25

NOTES:

1. ALL INFORMATION CONCERNING DUCTS AND CONDUITS IS BASED ON INFORMATION SUPPLIED TO CUBIC WESTERN DATA BY WMATA
2. TOTAL MACHINE INVENTORY IS DEPICTED ON THIS DRAWING
3. THE MINIMUM OPERATIONAL MACHINE INVENTORY IS REFERENCED ON THIS DRAWING BY THE X DRAWN THRU THE MACHINE
4. FOR AS BUILT CONDITIONS SEE SHEET #2
5. FOR REFERENCED DRAWINGS USED SEE SUPPORT DOCUMENTATION PACKAGE FOR THIS MEZZANINE

REVISIONS		
DESCRIPTION	DATE	APVD
APPROVED AS BUILT	6-15-77	



1- INSTALLATION PLAN
29

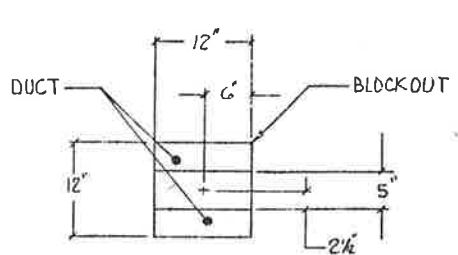
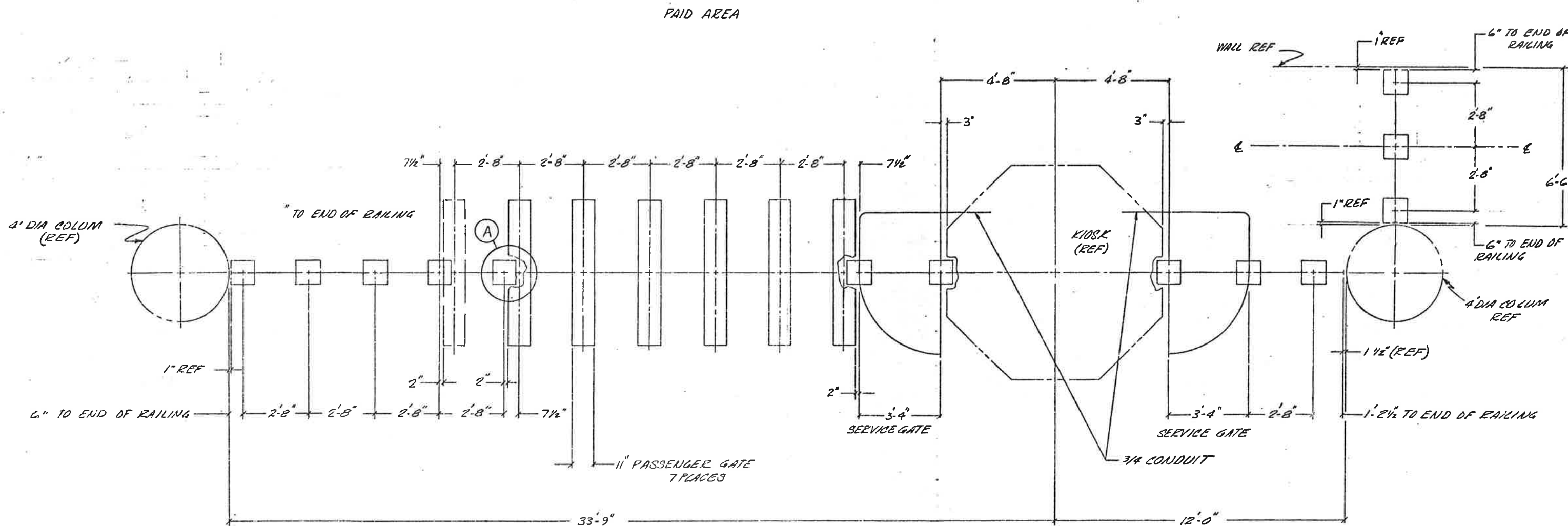
REFERENCE DRAWINGS USED

- BECHTEL REF. SK.#
- BECHTEL REF. DWG.#
- CWD REF. DWG.#

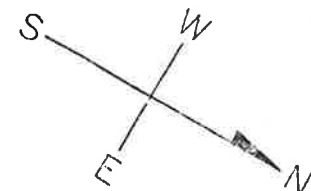
CONTRACT NUMBER 22007A		CUBIC WESTERN DATA <small>A subsidiary of Cubic Corporation 5650 KEARNY MESA ROAD • POST OFFICE BOX 3073 • SAN DIEGO, CA 92138</small>	
DESIGN	CHECK	TAKOMA STATION AFC MACHINES	
DESIGN ACTIVITY APPROVAL	SIZE		
		DRAWING NUMBER 926-0422	(29)

NOTES: UNLESS OTHERWISE SPECIFIED

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APVD
	A	AS BUILT APP TRANS. # 102	9/25/77	



DETAIL A
13 PLACES
SCALE 1=1'-0"



UNLESS OTHERWISE SPECIFIED LINEAR DIMENSIONS ARE IN INCHES TOL ON DECIMALS ANGLES .XX ± .03 .XXX ± .010 ± 30'		CONTRACT NUMBER 22007A		CUBIC WESTERN DATA <small>A subsidiary of Cubic Corporation 5650 KEARNY MESA ROAD • POST OFFICE BOX 80787 • SAN DIEGO, CA 92138</small>	
UNLESS OTHERWISE SPECIFIED HOLE TOLERANCES ARE:		REL MAIN STD ENGRG DESIGN CHECK DRAWN		TAKOMA STATION SERVICE GATE & RAILING	
HOLE DIA	TOLERANCES	DESIGN ACTIVITY APPROVAL		SIZE	CODE IDENT NO.
.0155 THRU .125	+ .004 - .001	APPROVED		D	94987
.126 THRU .250	+ .005 - .001				926-0340
.250 THRU .500	+ .006 - .001				
.501 THRU .750	+ .008 - .001				
				DRAWING NUMBER	REV

0450-926

74