

OBSTRUCTION DATA SHEET

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page #

**ODS 159
FORT WORTH MEACHAM AIRPORT
FORT WORTH, TEXAS**

DIGITIZED FROM

**OC 159
SURVEYED FEBRUARY 1992
10TH EDITION**

**HORIZONTAL DATUM NAD83
VERTICAL DATUM NGVD29**



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OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

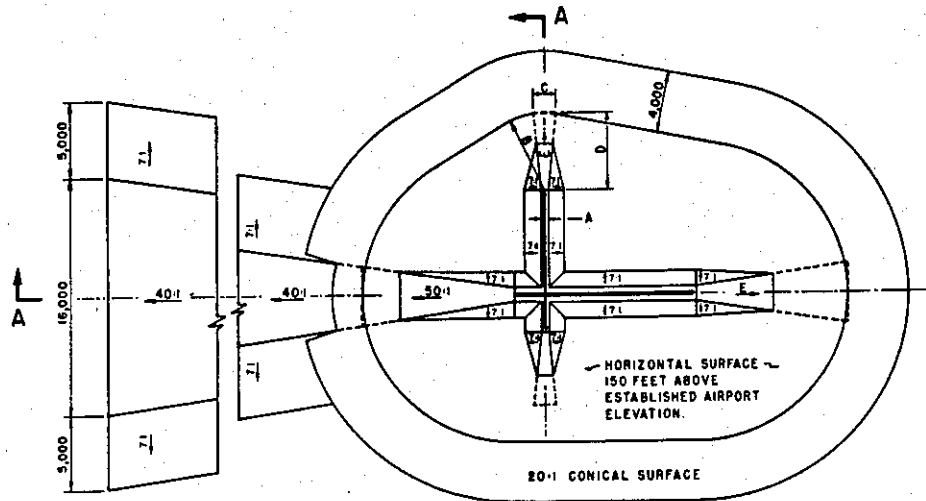
1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

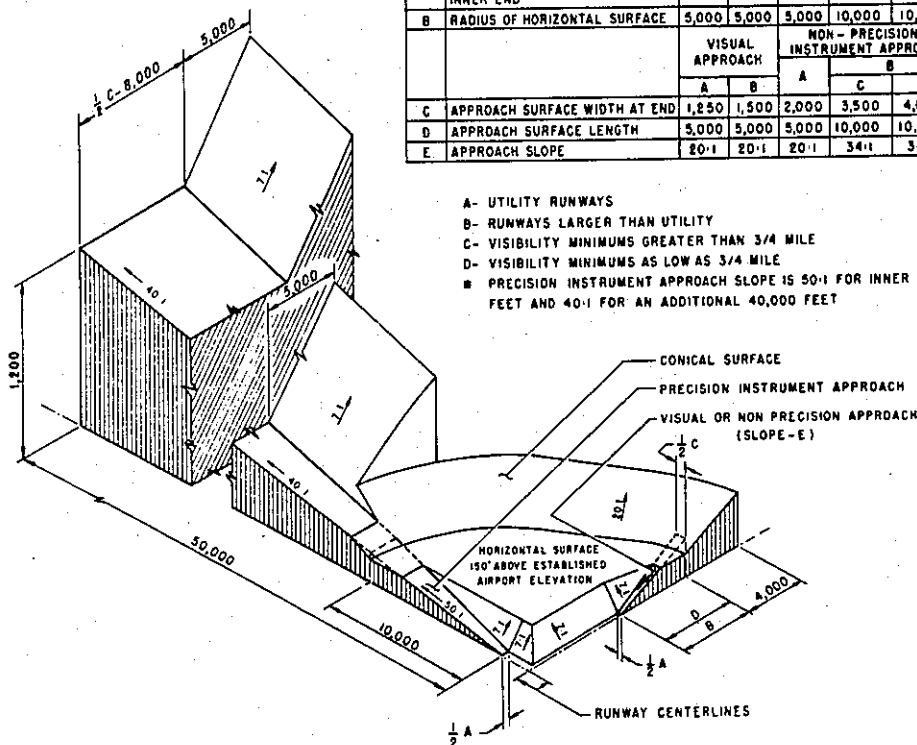
A(V) Utility runway - visual approach only
 A(NP) Utility runway - nonprecision instrument approach
 B(V) Nonutility runway - visual approach only
 C Nonutility runway - nonprecision instrument approach with
 visibility minimums greater than 3/4 mile
 D Nonutility runway - nonprecision instrument approach with
 visibility minimums as low as 3/4 mile
 PIR Precision instrument runway
 SUPLC ... Supplemental C underlying a B(V)

FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*



- A- UTILITY RUNWAYS
- B- RUNWAYS LARGER THAN UTILITY
- C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
- D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- * PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

ISOMETRIC VIEW OF SECTION A-A

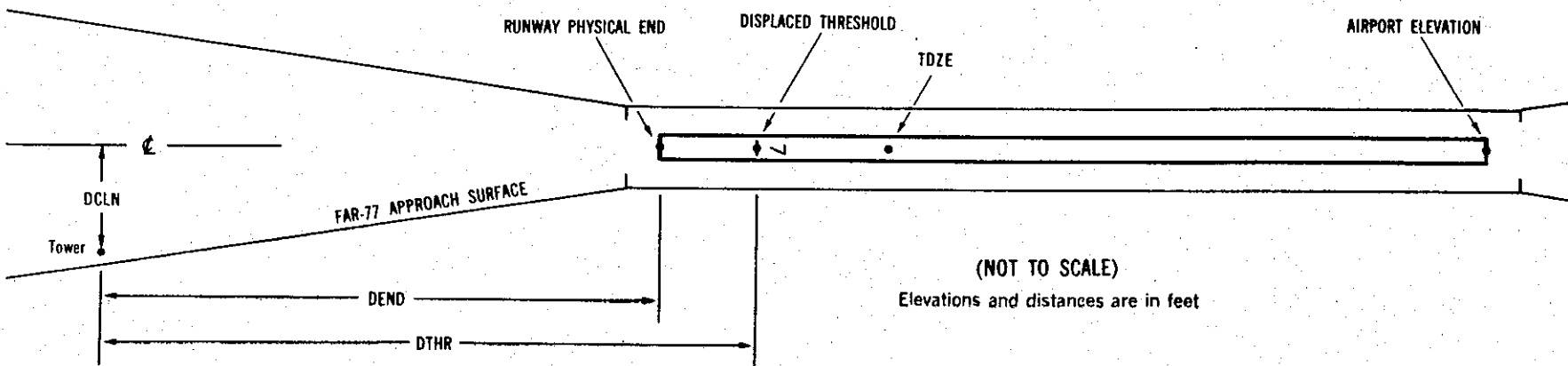
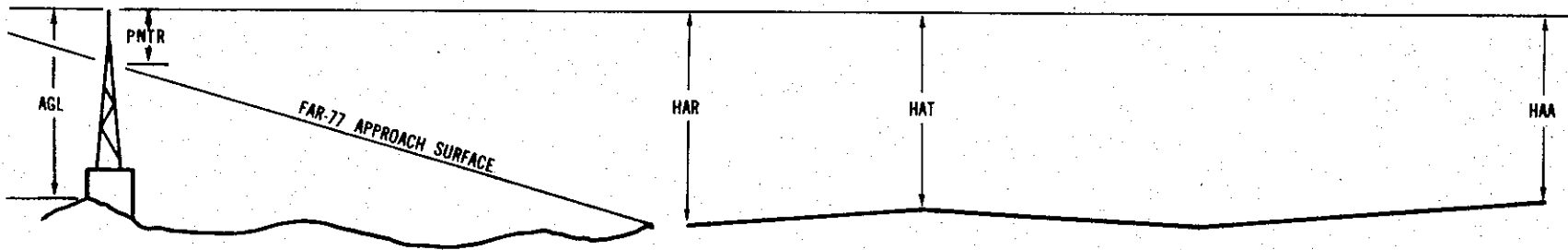
FAR-77 CIVIL AIRPORT
IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X ¹	X ²	XXXX/XXXX ³	XXXXXX.XXX ⁴	XXXXXXXX.XXX ⁴	XXXXXXXX ⁵	XXXX/XXXX ⁶	XXXXXX.XXX ⁷	XXXXXXXX.XXX ⁷				
OBJECT	LAT	LONG	A ⁸	ELEV ⁹	AGL ¹⁰	HAR ¹¹	HAT ¹¹	HAA ¹¹	DEND ¹²	DTHR ¹²	DCLN ¹²	PNTR ¹³
XXXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX



(NOT TO SCALE)

Elevations and distances are in feet

EXPLANATION OF FOOTNOTES

- ¹ Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.
- ² For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)
- ³ Reference runway approach physical end elevation/touchdown zone elevation
- ⁴ Latitude and longitude of reference runway approach physical end
- ⁵ Reference runway geodetic azimuth reckoned clockwise from south
- ⁶ Reference runway displaced threshold elevation/touchdown zone elevation
- ⁷ Latitude and longitude of reference runway displaced threshold
- ⁸ Accuracy Code: Horizontal Vertical
 1 = 20 A = 2
 2 = 40 B = 5
 C = 20
- ⁹ Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.
- ¹⁰ Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ± 10 feet.
- ¹¹ HAA - Height above airport
 HAR - Height above reference runway approach physical end
 HAT - Height above reference runway touchdown zone elevation
- ¹² DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
 DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
 DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.
- A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.
- ¹³ PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC0159

AIRPORT ELEVATION 710

16L PIR 710/ 710 324948.641 -972144.936 3515408.

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LIGHTED WINDSOCK	324840.21	-972130.17	1A	685		-25	-25	-25	-7024		273L	10
OL ON LIGHTED WINDSOCK	324911.65	-972142.16	1A	711		1	1	1	-3734		292R	27
TREE	324915.55	-972143.02	1A	692		-18	-18	-18	-3334		309R	6
OL ON GLIDE SLOPE	324935.84	-972147.52	1A	734		24	24	24	-1249		400R	34
OL ON LIGHTED WINDSOCK	324944.05	-972141.57	1A	717		7	7	7	-500		219L	12
BILLBOARD	324959.37	-972139.78	1A	728		18	18	18	1011		588L	2
LIGHT STANDARD	325009.91	-972151.39	1A	749		39	39	39	2205		242R	-1
LIGHT STANDARD	325016.06	-972140.88	1A	765		55	55	55	2695		733L	5
TRANSMISSION TOWER	325026.80	-972141.34	1A	780		70	70	70	3775		847L	-1
OL ON TRANSMISSION TOWER	325026.89	-972152.84	1A	784		74	74	74	3922		123R	0
OL ON GRAIN ELEVATOR	325155.30	-972159.20	1A	990	252	280	280	280	12843		599L	14

34R C 674/ 680 324835.163 -972132.556 1715414.

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON LIGHTED WINDSOCK	324944.05	-972141.57	1A	717		43	37	7	-7000		219R	12
OL ON GLIDE SLOPE	324935.84	-972147.52	1A	734		60	54	24	-6251		400L	34
TREE	324915.55	-972143.02	1A	692		18	12	-18	-4166		309L	6
OL ON LIGHTED WINDSOCK	324911.65	-972142.16	1A	711		37	31	1	-3766		292L	27
OL ON LIGHTED WINDSOCK	324840.21	-972130.17	1A	685		11	5	-25	-476		273R	10
TREE	324828.70	-972133.89	1A	686		12	6	-24	630		205L	0
OL ON LOCALIZER	324820.48	-972130.09	1A	663		-11	-17	-47	1499		OR	-49
OL ON DME	324820.39	-972127.79	1A	675		1	-5	-35	1535		193R	-38
ANEMOMETER	324820.83	-972123.59	1A	682		8	2	-28	1541		553R	-31
TREE	324815.34	-972123.90	1A	697		23	17	-13	2088		449R	-32

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AIRPORT ELEVATION 710

16R AV 667/ 672 324929.402 -972159.452 3515400.

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WINDSOCK	324852.61	-972151.97	1A	680		13	8	-30	-3772		108L	12
WINDSOCK	324927.28	-972157.82	1A	682		15	10	-28	-232		107L	14
OL ON DAM	324942.73	-972201.71	1A	706		39	34	-4	1361		1R	-19

34L AV 667/ 672 324850.214 -972152.847 1715404.

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
WINDSOCK	324927.28	-972157.82	1A	682		15	10	-28	-3769		107R	14
WINDSOCK	324852.61	-972151.97	1A	680		13	8	-30	-229		108R	12
TREE	324835.00	-972147.88	1A	684		17	12	-26	1581		203R	-52

9 AV 670/ 680 324908.348 -972159.001 2795209.

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
BUSH	324907.49	-972201.71	1A	673		3	-7	-37	213		126R	2
TREE	324907.78	-972206.18	1A	684		14	4	-26	594		161R	-6
GROUND	324909.75	-972219.40	1A	700		30	20	-10	1739		159R	-47
TRANSMISSION TOWER	324918.66	-972252.29	1A	770		100	90	60	4658		247L	-123

27 AV 680/ 680 324901.476 -972112.239 995234.

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL TRAFFIC SIGNAL ON POLE	324859.31	-972104.65	1A	695		15	15	-15	675		105L	-9

OC0159

Continued from previous page

AIRPORT ELEVATION 710

27 AV 680/ 680 324901.476 -972112.239 995234.

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROAD (N)	324859.84	-972059.52	1A	696		16	16	-14	1098		23R	-29

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AIRPORT ELEVATION 710

ARP 324909.543 -972142.408

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ANEMOMETER	324911.36	-972144.70	1A	695		-15	30648	269
TREE	324918.38	-972147.38	1A	711		1	32810	989
ANTENNA ON OL ATCT	324858.50	-972146.05	1A	751		41	18909	1159
BUSH	324910.21	-972159.43	1A	680		-30	26616	1454
TREE	324903.33	-972158.43	1A	685		-25	23856	1505
BUSH	324909.97	-972201.16	1A	674		-36	26509	1600
TREE	324917.42	-972159.97	1A	684		-26	29134	1697
TREE	324856.10	-972155.67	1A	693		-17	21323	1768
TREE	324911.12	-972203.80	1A	689		-21	26836	1832
LIGHT POLE	324916.16	-972122.16	1A	741		31	6225	1852
OL ON AIRPORT BEACON	324917.18	-972121.08	1A	734		24	6037	1977
BUSH	324852.01	-972154.95	1A	675		-35	20444	2070
SIGN	324928.59	-972132.49	1A	733		23	1720	2103
TREE	324923.51	-972201.20	1A	693		-17	30457	2136
TREE	324928.68	-972154.15	1A	696		-14	32612	2178
BUSH	324849.83	-972154.69	1A	674		-36	20121	2251
ANTENNA ON OL RTR TOWER	324931.21	-972150.98	1A	728		18	33507	2309
OL ON HANGAR	324904.71	-972113.75	1A	714		4	9453	2494
BUSH	324929.76	-972201.23	1A	681		-29	31526	2599
TREE	324929.08	-972202.35	1A	690		-20	31250	2607
HANGAR	324856.70	-972114.38	1A	706		-4	11205	2721
ANTENNA ON OL RTR TOWER	324841.40	-972146.73	1A	722		12	18059	2868
TREE	324935.30	-972157.80	1A	699		-11	32649	2915
OL ON WINDSOCK ON HANGAR	324904.42	-972108.16	1A	721		11	9337	2968
ROD ON OL HANGAR	324937.59	-972131.51	1A	783		73	1145	2983
POLE	324906.37	-972218.35	1A	716		6	25737	3083
OL ON HANGAR	324842.27	-972123.01	1A	724		14	14237	3215
HANGAR	324837.70	-972141.96	1A	703		-7	17254	3218
SIGN ON BUILDING	324856.69	-972107.52	1A	702		-8	10709	3248
TREE	324830.73	-972138.97	1A	684		-26	16919	3933
BILLBOARD	324956.38	-972138.13	1A	739		29	35800	4747
TREE	324959.13	-972138.65	1A	741		31	35715	5021
OL ON SIGN	324902.59	-972042.90	1A	742		32	9128	5127
LIGHT STANDARD	325011.26	-972138.39	1A	763		53	35644	6247
ROD ON OL MICROWAVE TOWER	324933.28	-972004.64	1A	913	268	203	6732	8680

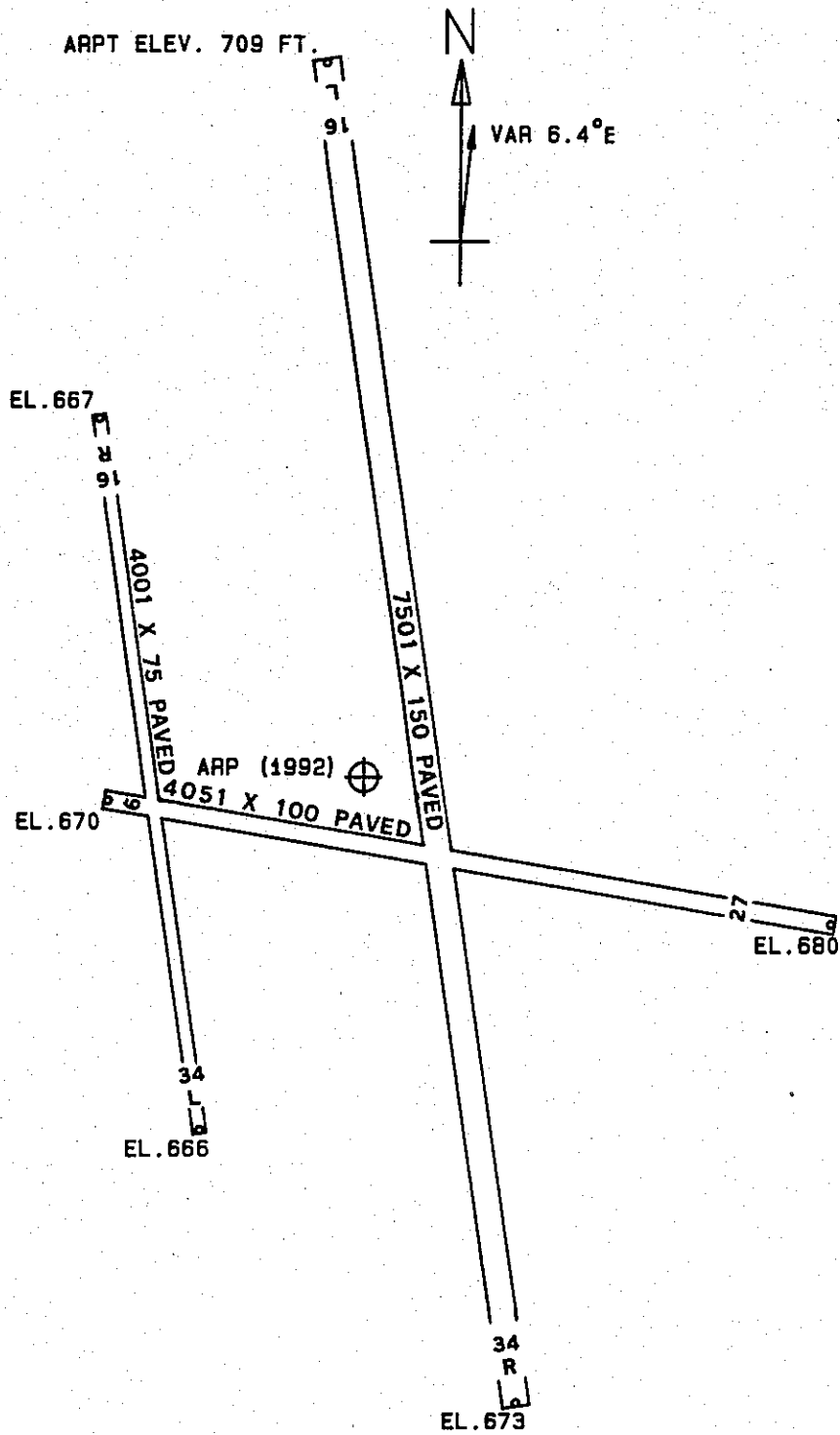
OC0159

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AIRPORT ELEVATION 710

ARP 324909.543 -972142.408

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
ANTENNA ON OL WATER TANK	324817.31	-972309.60	1B	884		174	22815	9123
OL GRAIN ELEVATOR	324910.74	-971945.62	1A	876	229	166	8253	9966
OL GRAIN ELEVATOR	325059.25	-972126.31	1A	954	244	244	39	11172
OL ON GRAIN ELEVATOR	325123.02	-972128.13	1A	974	254	264	35845	13544



**TOUCHDOWN ZONE
RUNWAY ELEVATION**

16L	710
34R	680
16R	672
34L	672
9	680
27	680

FORT WORTH MEACHAM AIRPORT
 FORT WORTH, TEXAS
 (NOT TO SCALE)