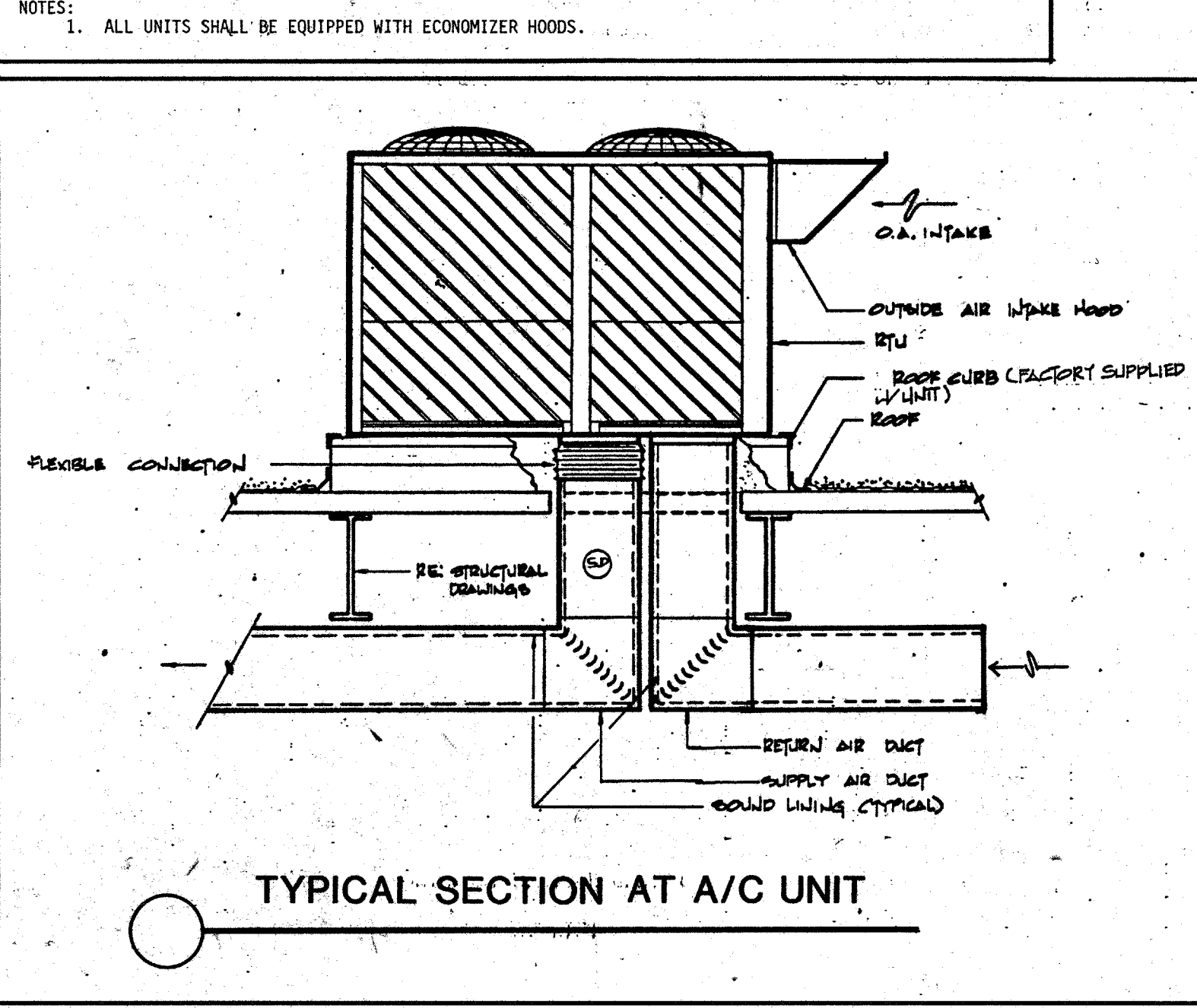


01 SECOND FLOOR PLAN- HVAC  
M2.2 1/8" = 1'-0"

ROOF TOP UNITS	RTU-1	RTU-2	RTU-3	RTU-4	RTU-5	RTU-6
DESIGNATION	RTU-1	RTU-2	RTU-3	RTU-4	RTU-5	RTU-6
LOCATION	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF
HEATING FUEL	NAT. GAS	NAT. GAS	NAT. GAS	NAT. GAS	NAT. GAS	NAT. GAS
HEATING OUTPUT, (MBH)	60	60	183	60	90	123
COOLING CAPACITY (MBH) (TOTAL CAPACITY)	45.8/34.8	53.9/38.2	164/113	53.9/38.2	67.5/47.5	144/114
AIR QUANTITY (CFM)	1500	1500	4500	1500	2000	5000
EXTERNAL S.P. (IN.)	0.5	0.5	0.7	0.7	0.7	1.0
ELECT. CHARACTERISTICS	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
EVAPORATOR FAN H.P.	3/4	3/4	3	1	1	3
COMPRESSOR RLA	9.2	10.4	32	10.4	12.1	2 @ 11.6 EACH
CONDENSER FAN FLA	1.5	1.5	3.3	1.5	1.5	2.3
MIN. NO. OF COMPRESSORS	1	1	1	1	1	2
MIN. OUTSIDE AIR (CFM)	90	100	510	90	150	600
FILTERS	1"	1"	1"	1"	1"	1"
SIMILAR TO: CARRIER	48LDT005	48LDT006	48DP016	48LDT006	48HD007	48DP014
COOLING CAPACITY BASED ON 102° F. AMBIENT AIR AND 80° F. DB/67° F. WB ENTERING COIL.						



TYPICAL SECTION AT A/C UNIT

- HVAC GENERAL NOTES:**
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL AIR DISTRIBUTION DEVICES AND COORDINATE WITH OTHER TRADES.
  - ALL PENETRATIONS THRU THE ROOF AND FLOOR SHALL BE SEALED TIGHT.
  - SIZE OF BRANCH DUCT CONNECTION TO EACH DIFFUSER SHALL BE THE SAME AS THE DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE.
  - EACH DIFFUSER SHALL BE PROVIDED WITH 6 FT. LONG MAXIMUM FLEXIBLE DUCT.
  - ALL DIFFUSERS, GRILLES AND REGISTERS PENETRATING FIRE RATED CEILING CONSTRUCTION SHALL BE PROVIDED WITH FIRE DAMPERS AND FIRE RATED BLANKET ENCLOSURES.
  - INSTALL AND CONNECT REFRIGERANT PIPING AS PER MANUFACTURER'S RECOMMENDATION.

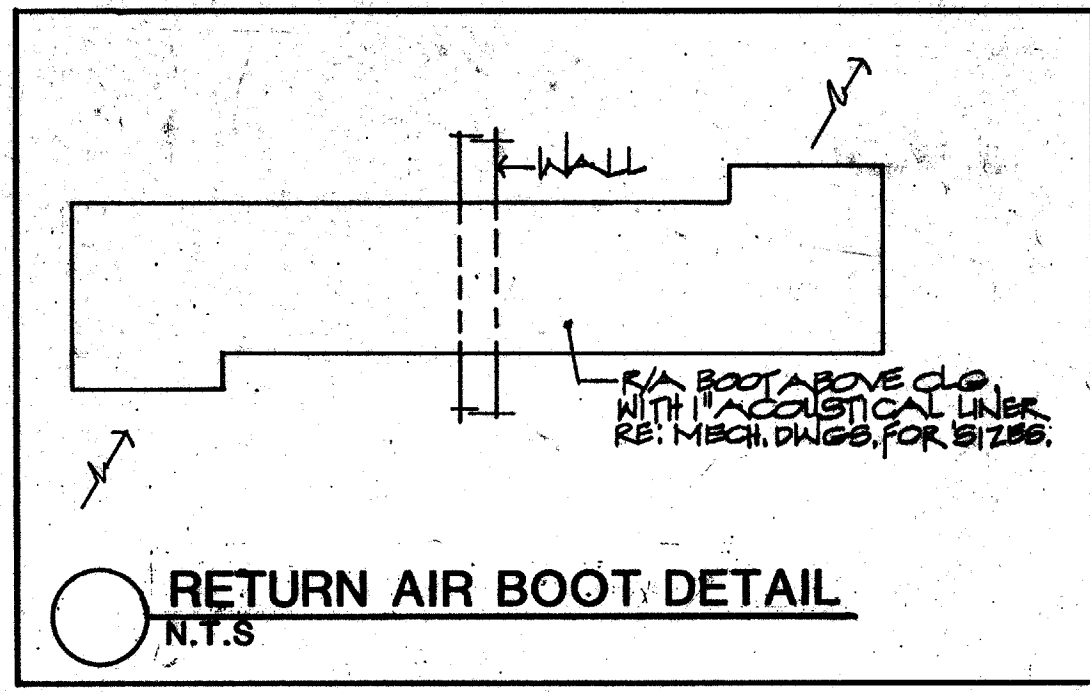
**FAN SCHEDULE**

DESIGNATION	EF-1	EF-2	EF-3	EF-4	EF-5
DUTY	TOILET EXHAUST	EXHAUST	EXHAUST	TOILET EXHAUST	TOILET EXHAUST
LOCATION	ROOF	PRINT ROOM	CHEMICAL STORAGE	ROOF	ROOF
TYPE	CENT	CENT	CENT	CENT	CENT
CFM	1000	300	400	1200	660
SP ("WG")	0.3	0.2	0.125	0.375	0.3
DESIGN HP	1/4	1/12	1/25	1/3	1/6
ELECT. CHARACTERISTICS	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
SIMILAR TO: PENN	AQ10	X082	X082	AQ20	X094

NOTE: 1. PROVIDE BACKDRAFT DAMPERS, BIRD SCREEN AND ROOF CURBS.

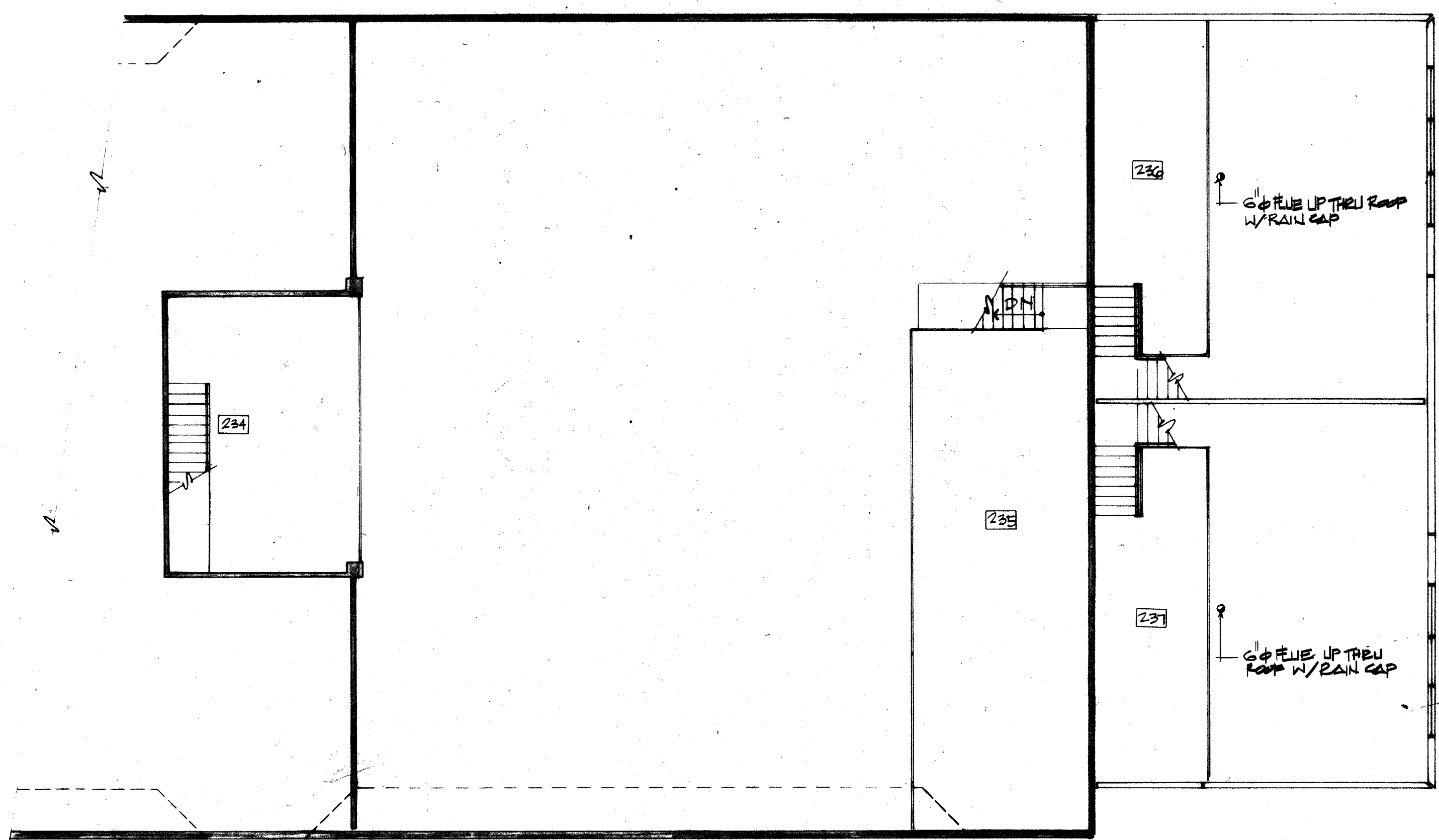
**GAS FIRED PROPELLER TYPE UNIT HEATERS**

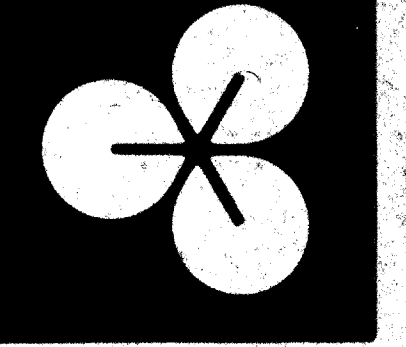
DESIGNATION	UH-1-UH-6
LOCATION	
TYPE	HORIZONTAL DISCHARGE
AGA OUTPUT (MBH)	48.6
BURNER STAGES	1
CFM	1050
MOTOR HP	1/30
MOTOR RPM	1050
VENT CONNECTION SIZE (IN.)	5" Ø
HEAT EXCHANGER TYPE	ALUMINIZED STEEL



- NOTES BY SYMBOL:**
- 36" x 20" RETURN AIR OPENING IN SECOND FLOOR SLAB. PROVIDE FIRE DAMPER.
  - 20" x 16" SUPPLY DUCT UP TO RTU-5. PROVIDE FIRE DAMPER @ SECOND FLOOR SLAB.
  - 48" x 12" RETURN AIR OPENING IN SECOND FLOOR SLAB. PROVIDE FIRE DAMPER.
  - 56" x 12" SUPPLY DUCT UP TO RTU-6. PROVIDE FIRE DAMPER @ SECOND FLOOR.
  - 20" x 12" SUPPLY DUCT UP TO RTU-4. PROVIDE FIRE DAMPER @ SECOND FLOOR.
  - 24" x 6" TRANSITION IN SUPPLY DUCT.
  - 24" x 8" RETURN AIR BOOT ABOVE CEILING. REFER TO DETAIL.

- DIFFUSER SCHEDULE:**
- S-1 SUPPLY AIR DIFFUSER SIMILAR TO TITUS TRS 24" x 24" MODULE 6" Ø NECK SIZE.
  - S-2 SIMILAR TO S-1 EXCEPT 8" Ø NECK SIZE.
  - S-3 SIMILAR TO S-1 EXCEPT 10" Ø NECK SIZE.
  - S-4 SUPPLY AIR DIFFUSER SIMILAR TO TITUS TRS 24" x 24" MODULE 12" x 14".
  - R-1 RETURN AIR GRILLE SIMILAR TO TITUS TRR 24" x 24" MODULE 22" x 22" NECK SIZE.
  - E-1 EXHAUST GRILLE SIMILAR TO TITUS 25-RRL SIZE 8" x 8".
  - E-2 SAME AS E-1 EXCEPT 6" x 6".
  - E-3 SAME AS E-1 EXCEPT 12" x 12".





**EDI ARCHITECTS, INC.**  
ARCHITECTURE PLANNING ENGINEERING INTERIOR DESIGN  
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214-750-1848 512-488-8308

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**TOWN OF ADDISON**

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**ADDITION TO PUBLIC WORKS SERVICE CENTER**  
Westgrove Road  
Addison Texas

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DATE  
11 JUNE 86  
24 JULY 1986 - BID  
REV 07 1002.86

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PROPERTY OF TOWN OF ADDISON  
M2.2  
OF SHEETS  
JOB NO: 851-187

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