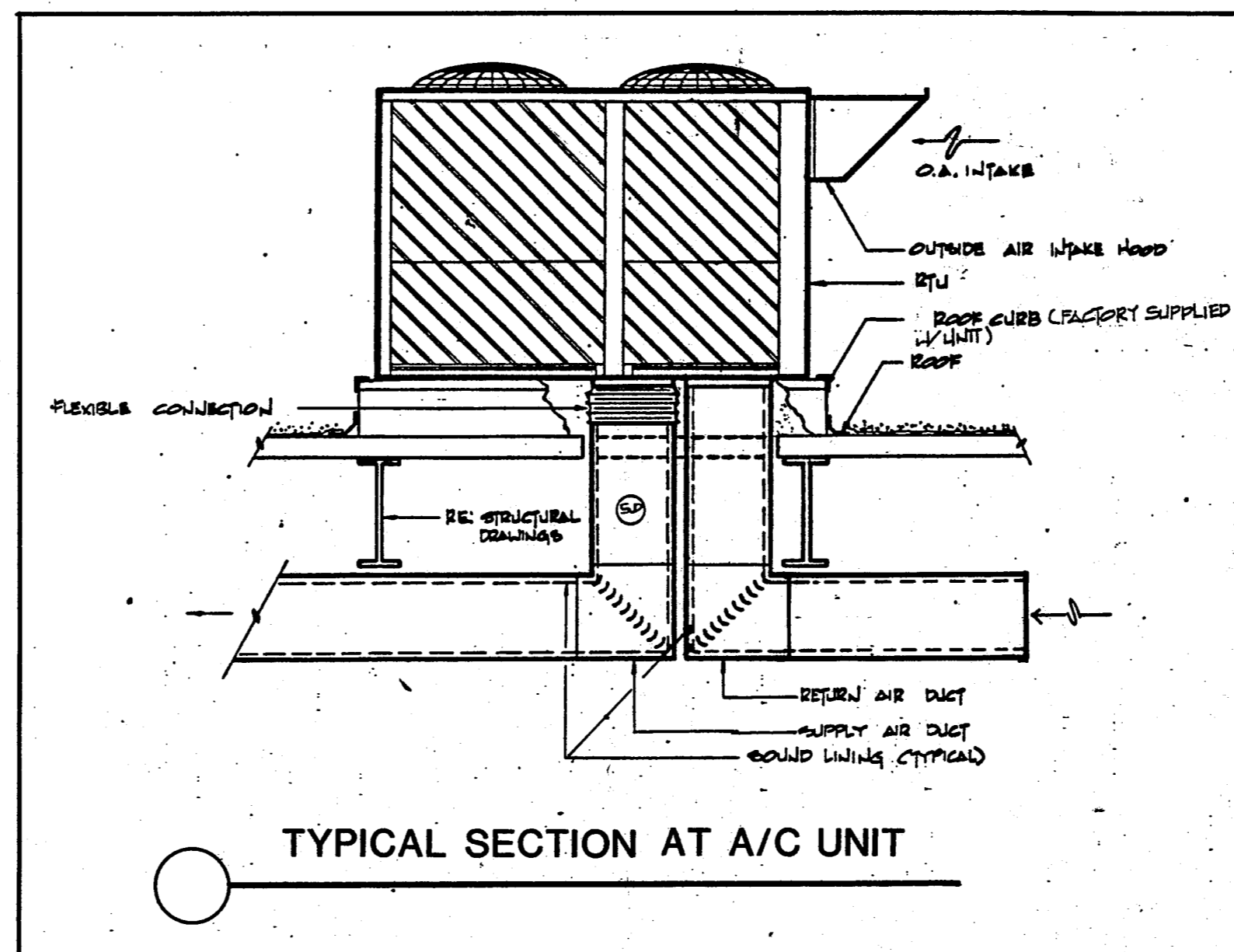


01 SECOND FLOOR PLAN- HVAC  
M2.2 1/8" = 1'-0"

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/SENSIBLE)	45.4/34.8	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	48LDT005	48H007	48DP014
COOLING CAPACITY BASED ON 102° F. AMBIENT AIR AND 80° F. DB/67° F. WB ENTERING COIL.						

NOTES:  
1. ALL UNITS SHALL BE EQUIPPED WITH ECONOMIZER HOODS.



- 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

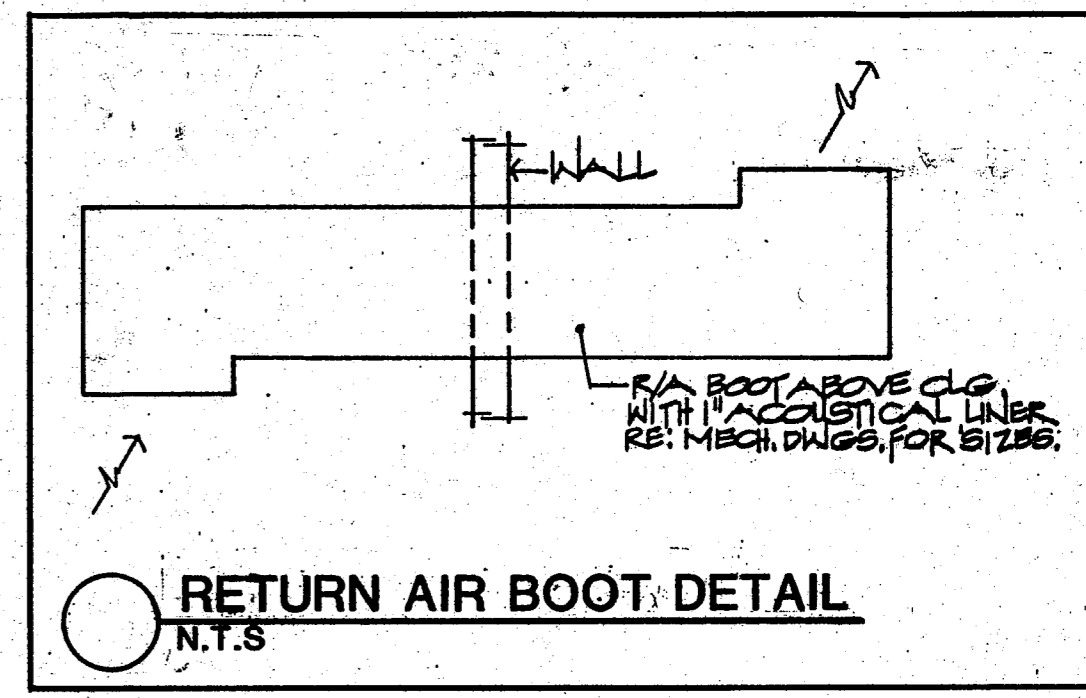
DESIGNATION	EF-1	EF-2	EF-3	EF-4	EF-5
DUTY	TOILET EXHAUST	EXHAUST	EXHAUST	TOILET EXHAUST	TOILET EXHAUST
LOCATION	ROOF	PRINT ROOM	CHEMICAL STORAGE	ROOF	ROOF
TYPE	CENT	CENT	CENT	CENT	CENT
CFM	1000	300	400	1200	660
SP ("WG")	0.3	0.2	0.125	0.375	0.3
DESIGN HP	1/4	1/12	1/25	1/3	1/6
ELECT. CHARACTERISTICS	120/1/60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

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

GAS FIRED PROPELLER TYPE UNIT HEATERS

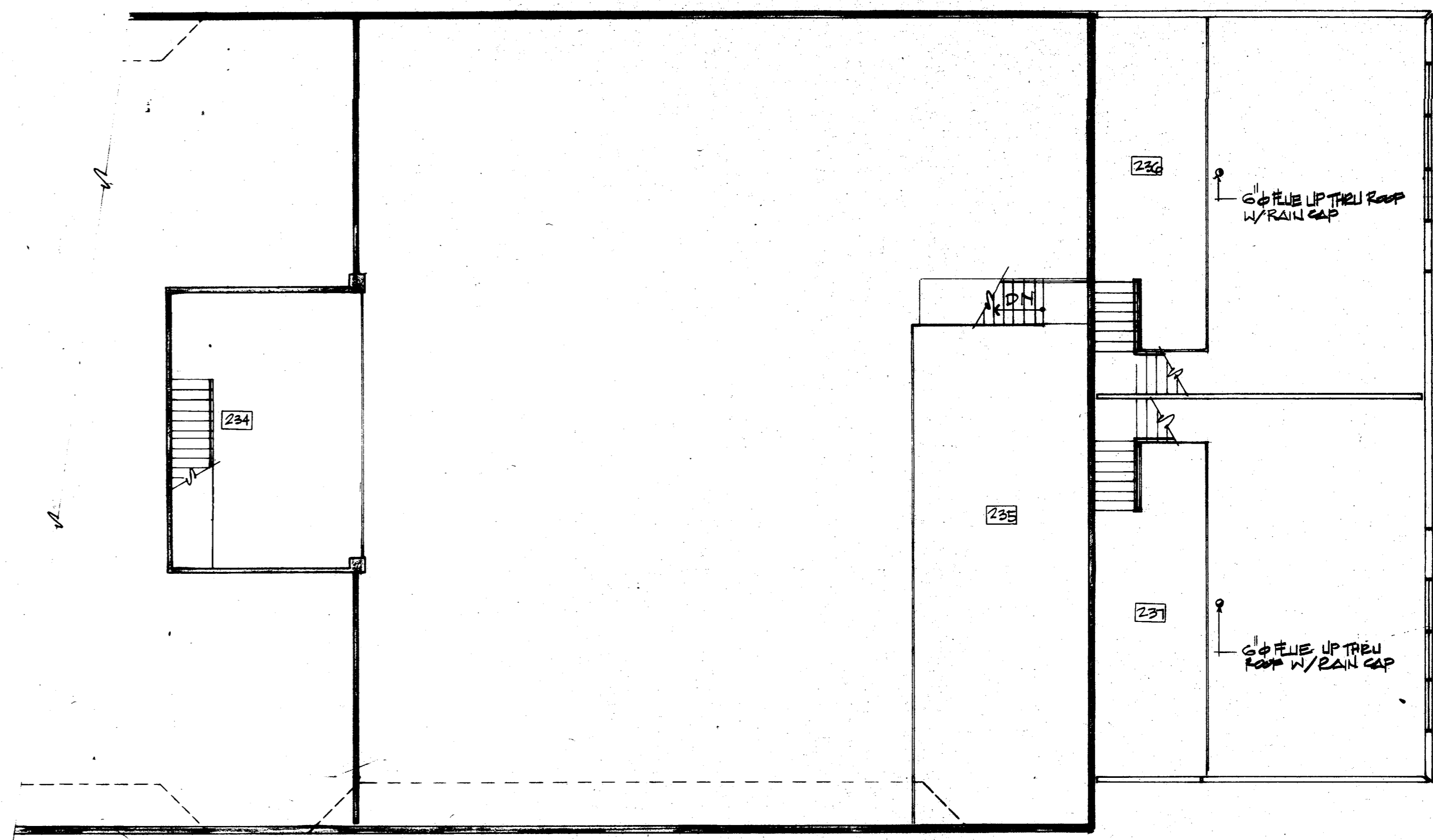
DESIGNATION	UH-1-UH-6
LOCATION	HORIZONTAL DISCHARGE
TYPE	48.6
AGA OUTPUT (MBH)	48.6
BURNER STAGES	1
CFM	1050
MOTOR HP	1/30
MOTOR RPM	1050
VENT CONNECTION SIZE (IN.)	5" Ø
HEAT EXCHANGER TYPE	ALUMINIZED STEEL

TOWN OF ADDISON  
BUILDER'S COPY OF PLANS  
This set of plans contains various corrections and comments made by the City Staff. All trades will be required to comply with these corrections and comments; failure to inform all trades of this information will not be accepted as a reason to approve construction which is in violation of local ordinances.  
This set of plans is to be kept on the job site at all times and is to be made available for use by city inspectors at their request. Failure to have these plans available may delay approval of a requested inspection.

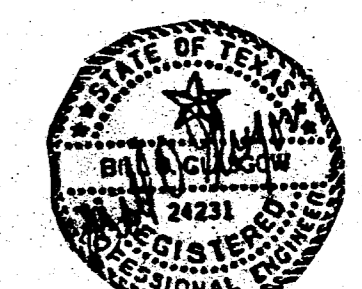


- NOTES BY SYMBOL:
- 36" x 20" RETURN AIR OPENING IN SECOND FLOOR SLAB. PROVIDE FIRE DAMPER.
  - 20" x 16" SUPPLY DUCT UP TO RTU-5. PROVIDE FIRE DAMPER @ SECOND FLOOR SLAB.
  - 48" x 12" RETURN AIR OPENING IN SECOND FLOOR SLAB. PROVIDE FIRE DAMPER.
  - 56" x 12" SUPPLY DUCT UP TO RTU-6. PROVIDE FIRE 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 TKS 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 T22-RLS SIZE 12" x 14".
  - R-1 RETURN AIR GRILLE SIMILAR TO TITUS TXR 24" x 24" MODULE: 22" x 22" NECK SIZE.
  - E-1 EXHAUST GRILLE SIMILAR TO TITUS 25-MRL SIZE 8" x 8".
  - E-2 SAME AS E-1 EXCEPT 6" x 6".
  - E-3 SAME AS E-1 EXCEPT 12" x 12".



INTERFIELD ENGINEERING CO.  
CONSULTING ENGINEERS  
8401 N. CENTRAL EXPWY.  
SUITE 940  
DALLAS, TEXAS 75206  
(214) 626-6864



EDI ARCHITECTS, INC.  
ARCHITECTURE PLANNING INTERIOR DESIGN  
8440 WOOD HILL LANE  
SUITE 100  
DALLAS, TEXAS 75207  
974 / 750-1945

TOWN OF  
ADDISON

ADDITION TO  
PUBLIC WORKS SERVICE CENTER  
Westgrove Road  
Addison Texas

DATE  
11 JUNE 86  
24 JULY 1986 - BID

SHEET NO  
M2.2  
OF SHEETS  
JOB NO: 851-137