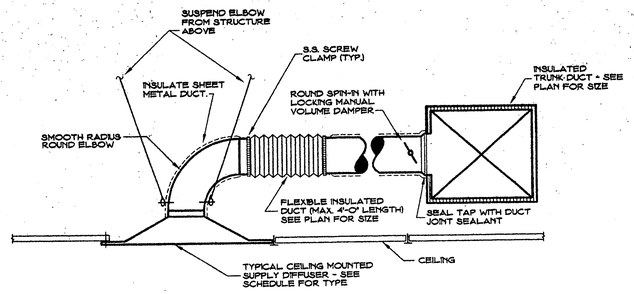
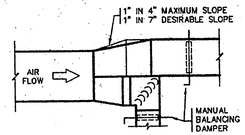
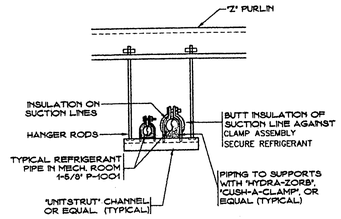


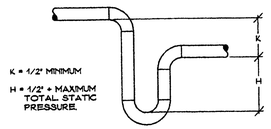
SUPPLY AIR DIFFUSER MOUNTING DETAIL
NO SCALE



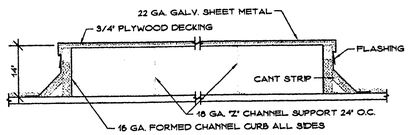
FULL ELBOW TAKE-OFF DETAIL
NO SCALE



SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING
NO SCALE



POSITIVE PRESSURE P-TRAP DETAIL
NO SCALE



CONDENSING UNIT MOUNTING PLATFORM
NO SCALE

EXHAUST FAN SCHEDULE

MARK	CFM	SP	RPM	HP	DRIVE	ELEC. DATA	TYPE	EXAMPLE
EF #1-00	80	0.375	950	80 W	DIRECT	120 V, 1 ø, 60 HZ	CEILING	GREENHECK SP-70
EF #2-00	80	0.375	950	80 W	DIRECT	120 V, 1 ø, 60 HZ	CEILING	GREENHECK SP-70

Notes:
1. Provide solid state speed controller for each fan.

FURNACE AND COIL SCHEDULE

MARK	FAN DATA					COOLING DATA			HEATING		EXAMPLE (CARRIER)
	CFM	O.A. CFM	ESP	HP	ELECTRICAL DATA	SENS	TOTAL	EAT(DB/WB)	INPUT	OUTPUT	FURNACE / COIL
FC #1-00	2000	200	0.6	3/4	115 V, 1 ø, 60 HZ	42.2	52.0	76.0°F/63.0°F	120.0	113.0	58MXA-120-20 / CK3BXA060
FC #2-00	1500	160	0.6	3/4	115 V, 1 ø, 60 HZ	30.2	38.0	76.0°F/63.0°F	80.0	74.0	58MXA-080-20 / CK3BXA042
FC #3-00	2000	260	0.6	3/4	115 V, 1 ø, 60 HZ	42.2	52.0	76.0°F/63.0°F	120.0	113.0	58MXA-120-20 / CK3BXA060
FC #3-00	2000	220	0.6	3/4	115 V, 1 ø, 60 HZ	42.2	52.0	76.0°F/63.0°F	120.0	113.0	58MXA-120-20 / CK3BXA060

Notes:
1. All selections based on jobsite elevation.
2. Cooling coil velocity 500 fpm or less.
3. Sensible and total capacities are expressed in MBTUH.
4. Heating output and input are expressed in MBTUH.

CONDENSING UNIT SCHEDULE

MARK	SERVES	CAPACITY - MBH	SEER	ELECTRIC DATA	EXAMPLE (CARRIER)
CU #1-00	FC #1-00	52.0	12.0	208 V, 3 ø, 60 HZ	38BRC060
CU #2-00	FC #2-00	38.0	12.0	208 V, 3 ø, 60 HZ	38BRC042
CU #3-00	FC #3-00	52.0	12.0	208 V, 3 ø, 60 HZ	38BRC060
CU #4-00	FC #4-00	52.0	12.0	208 V, 3 ø, 60 HZ	38BRC060

Notes:
1. All selections based on jobsite elevation.
2. All selections based on ambient temperature of 100°F.
3. Submit performance data with matched coil.

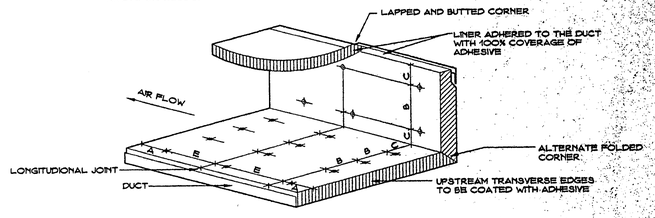
AIR DISTRIBUTION SCHEDULE

MARK	TYPE	LOCATION	FRAME	FINISH	EXAMPLE
S-1	SUPPLY	CEILING	TB	WHITE	TITUS TMSA, 24x24, OBD
S-2	SUPPLY	CEILING	TB	WHITE	TITUS T-SLOT-IN, 48" LONG, 3 SLOTS, OBD
S-3	SUPPLY	CEILING	PF	WHITE	TITUS 300RS, OBD, NOTE 6
S-4	SUPPLY	CEILING	PF	WHITE	TITUS MCD, OBD, NOTE 6
R-1	RETURN	CEILING	TB	WHITE	TITUS PAR, 24x24, NOTE 6
R-2	RETURN	CEILING	PF	WHITE	TITUS 355ZRL, NOTE 6

Notes:
1. OBD = Opposed blade damper
2. EXT = Extractor
3. PF = Plaster Frame
4. TB = Lay-in T-bar
5. Verify frame type with ceiling installer's layout.
6. Provide square to round transition at diffuser. See drawings for size.

WHEN VELOCITY EXCEEDS 4000 FPM USE METAL NOSING ON EVERY LEADING EDGE. NOSING MAY BE FORMED ON DUCT OR BE CHANNEL OF ZEE ATTACHED BY SCREWS, RIVETS OR WELDS.

VELOCITY	DIMENSIONS			
	A	B	C	E
0-2500 FPM	2"	12"	4"	16"
2501-6000 FPM	3"	6"	4"	16"



MAXIMUM SPACING FOR FASTENERS. ACTUAL INTERVALS ARE APPROXIMATE

DUCT LINER FASTENER SPACING DETAIL
NO SCALE

Biddy Associates, Inc.
BAI
Consulting Engineers

STATE OF TEXAS
LEON R. BIDDY
64770
REGISTERED PROFESSIONAL ENGINEER
7/28/00

R-F
ROGERS - FORD
ARCHITECTURE - INTERIOR DESIGN
2616 THOMAS AVENUE
DALLAS, TEXAS 75204
TELEPHONE (214) 871-0388
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LONE STAR BANK
Beltwood Parkway East
at Beltline Road
Addison, TX

Project # 1804

7-25-2000 Issue for Permit
7-28-2000 Re-Issue for Permit
8-17-2000 Issue for BID

M1.02

MECHANICAL DETAILS & SCHEDULES