2

BOILER SCHEDULE

MARK	TYPE	INPUT MBH	OUTPUT MBH	FUEL	GPM	LWT °F	REMARKS
BLR-E135-2	RADIAL FIRED	865	735	NATURAL GAS	80	180	14" FLUE
BLR-E135-3	RADIAL FIRED	1,318	1,120	NATURAL GAS	112	180	14" FLUE

NOTES:
1. BOILERS SHALL HAVE MINIMUM 85% THERMAL EFFICIENCY.
2. BOILER NOx EMISSIONS SHALL NOT EXCEED 30 PPM WHEN REFERENCED AT 3% O2.

2

STATE OF TEXAS
ERIK C. DIETZ
81924
REGISTERED
PROFESSIONAL ENGINEER
4/10/02

REVISTION TO:
SHEET NO. M-E135-00105 1 OF 21
DWG NO. M-E135-4A

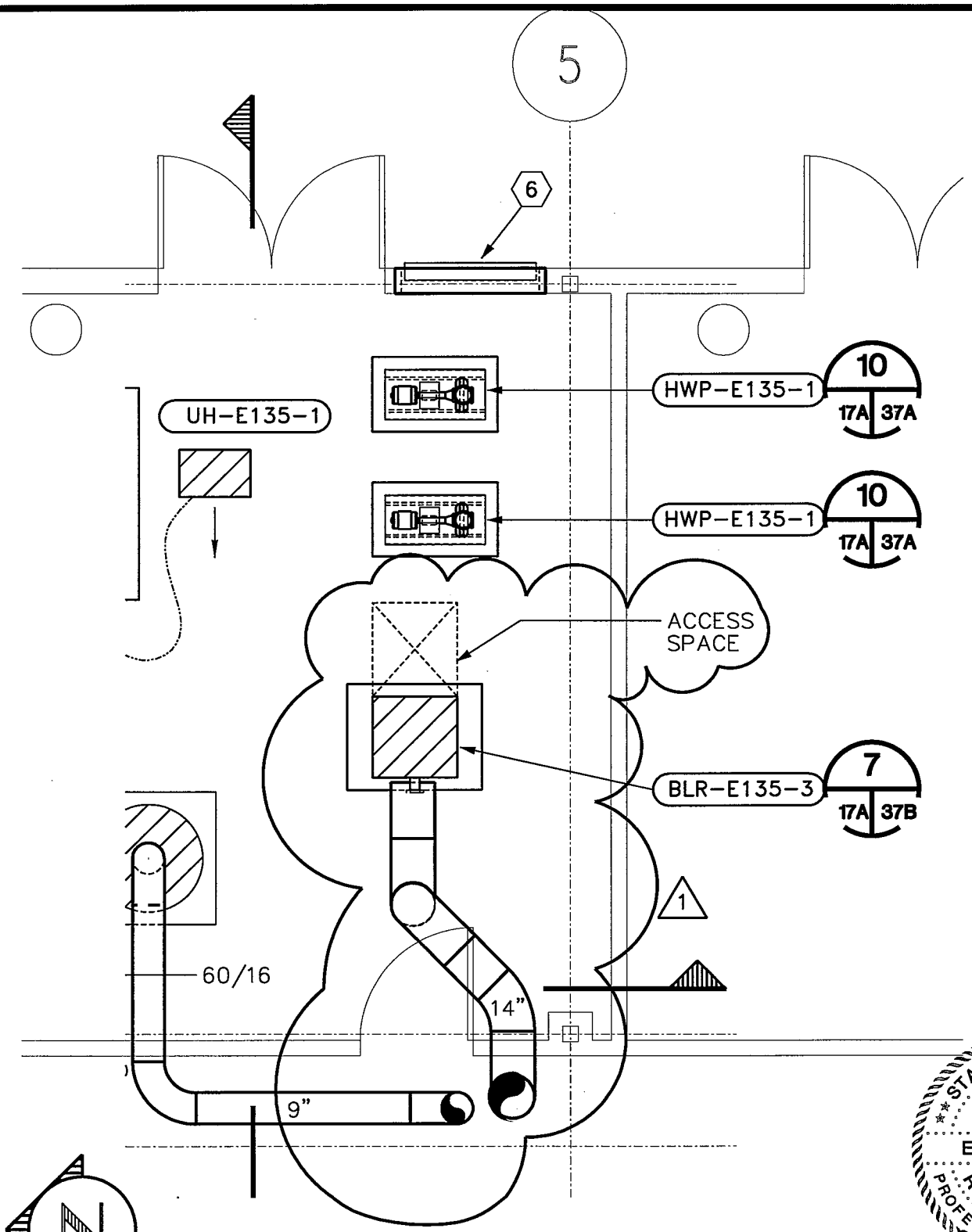
SKM-4

Project No 00105

Scale AS NOTED

BUILDING E135
MAINTENANCE HANGAR
MECHANICAL SCHEDULES

SHAH SMITH & ASSOCIATES, INC.
2825 WILCREST, SUITE 350
HOUSTON, TEXAS 77042
Phone: 713-780-7563
Fax: 713-780-9209



STATE OF TEXAS
ERIK C. DIETZ
81924
REGISTERED PROFESSIONAL ENGINEER
4/12/02

EXHAUST AIR PLAN ROOM 1M2 & 1M3 – RENOVATION

3
5A 17A

1/4"=1'-0"

REVISTION TO:
SHEET NO. M-E135-00105 14 OF 21
DWG NO. M-E135-17A

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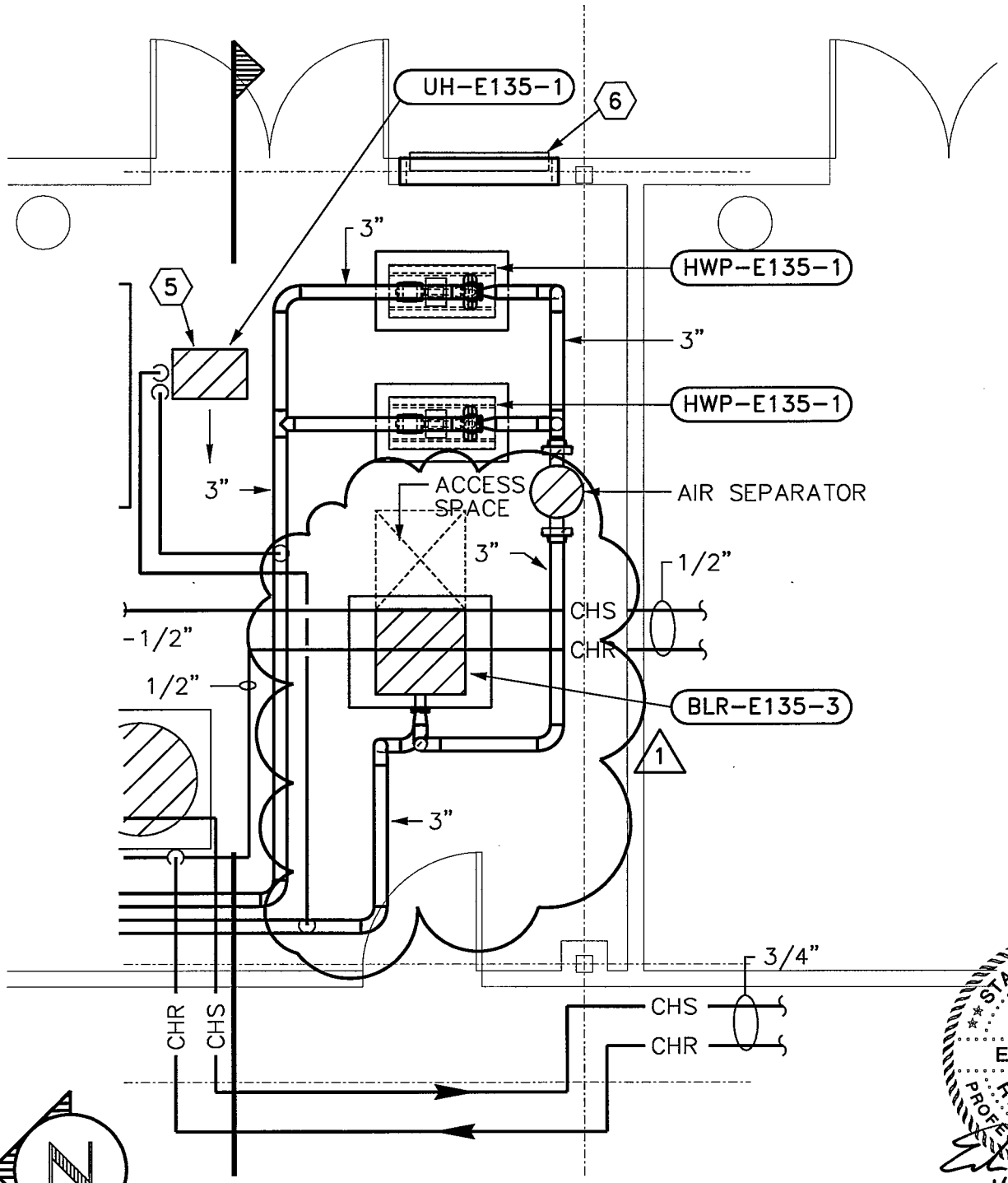
BUILDING E135
MAINTENANCE HANGAR

ENLARGED PLANS ROOM 1M2 DEMO AND RENOVATION

Scale AS NOTED
Project No 00105

SKM-5



STATE OF TEXAS
ERIK C. DIETZ
81924
REGISTERED PROFESSIONAL ENGINEER
4/16/02

BOILER HEATING WATER PIPING PLAN 1M2 & 1M3 – RENOVATION

4
5A 17A

1/4"=1'-0"

REVISTION TO:
SHEET NO. M-E135-00105 14 OF 21
DWG NO. M-E135-17A

SHAH SMITH & ASSOCIATES, INC.
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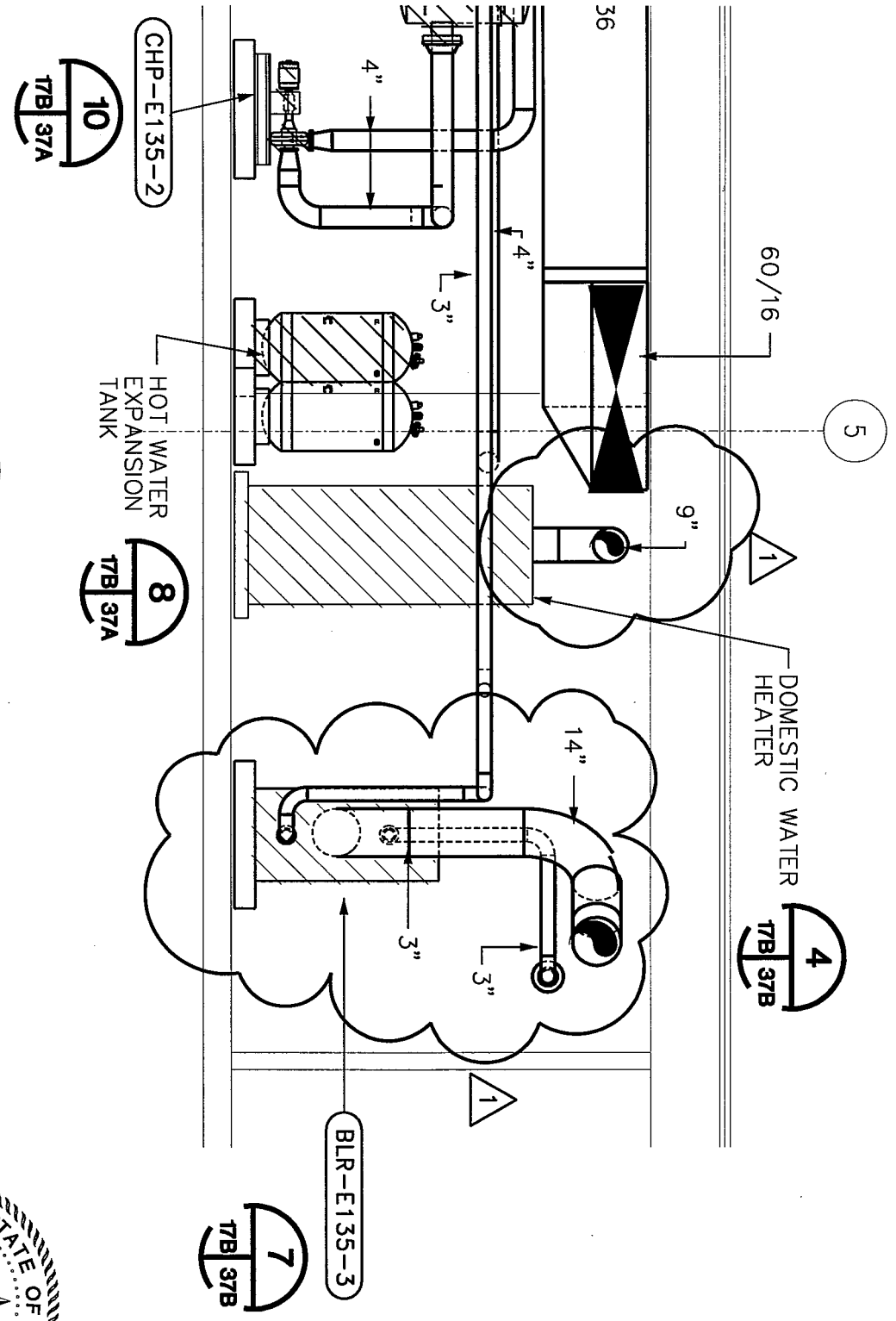
BUILDING E135
MAINTENANCE HANGAR
ENLARGED PLANS ROOM 1M2 DEMO AND RENOVATION

Scale AS NOTED
Project No. 00105

SKM-6



3 17B 17B
SECTION
1/4" = 1'-0"

STATE OF TEXAS
ERIK C. DIETZ
81924
REGISTERED
PROFESSIONAL ENGINEER
4/12/02

REVISTION TO:
SHEET NO. M-E135-00105 15 OF 21
DWG NO. M-E135-17B

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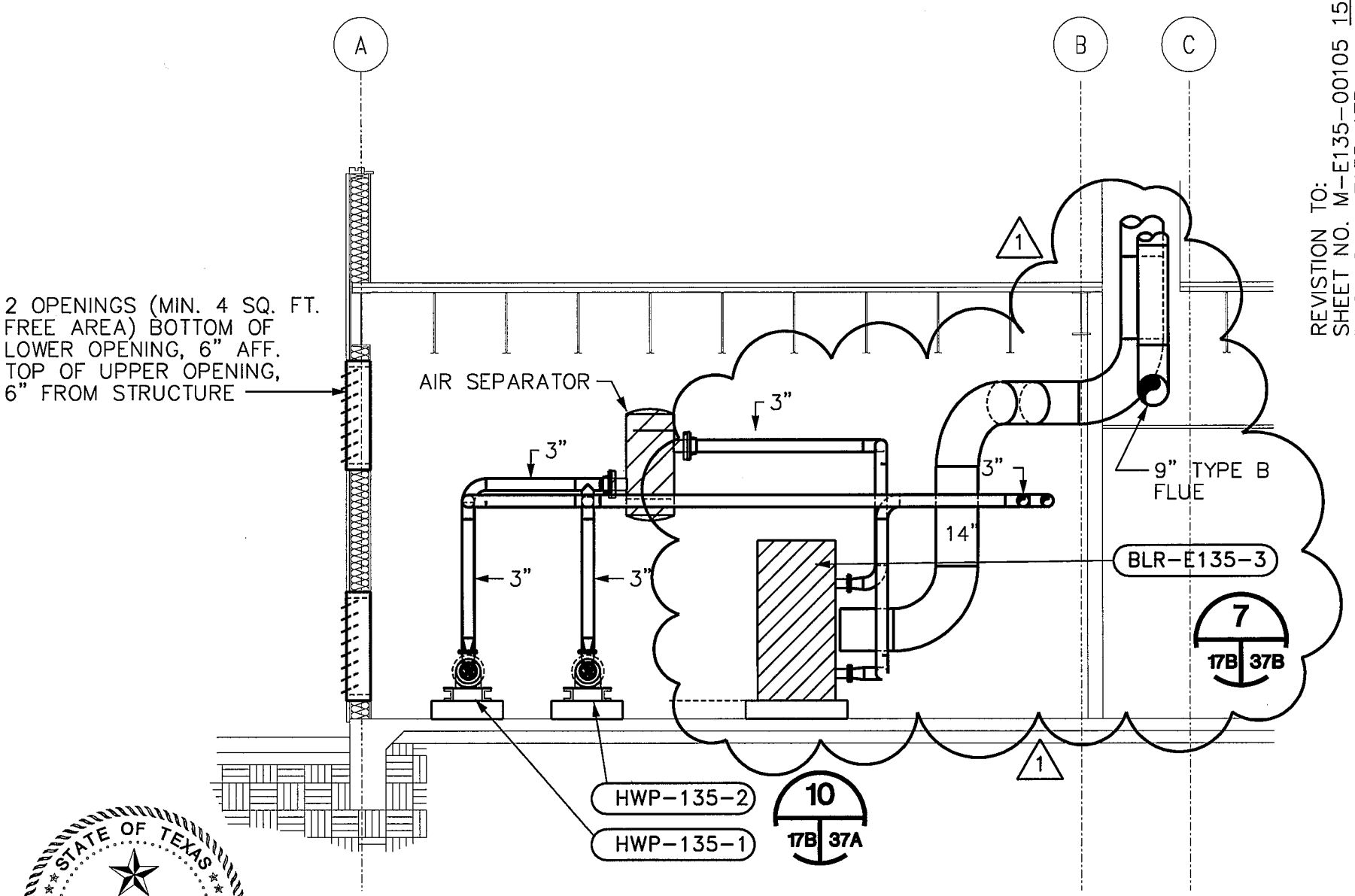
BUILDING E135
MAINTENANCE HANGAR
MECHANICAL AND PUMP ROOM SECTIONS

Scale AS NOTED
Project No 00105

SKM-7



6 SECTION
17B 17B
1/4"=1'-0"

STATE OF TEXAS
ERIK C. DIETZ
81924
REGISTERED PROFESSIONAL ENGINEER
4/12/02

REVISTION TO:
SHEET NO. M-E135-00105 15 OF 21
DWG NO. M-E135-17B

BUILDING E135
MAINTENANCE HANGAR
MECHANICAL AND PUMP ROOM SECTIONS

SKM-8

Scale AS NOTED
Project No 00105

SHAH SMITH & ASSOCIATES, INC.
2825 WILCREST, SUITE 350
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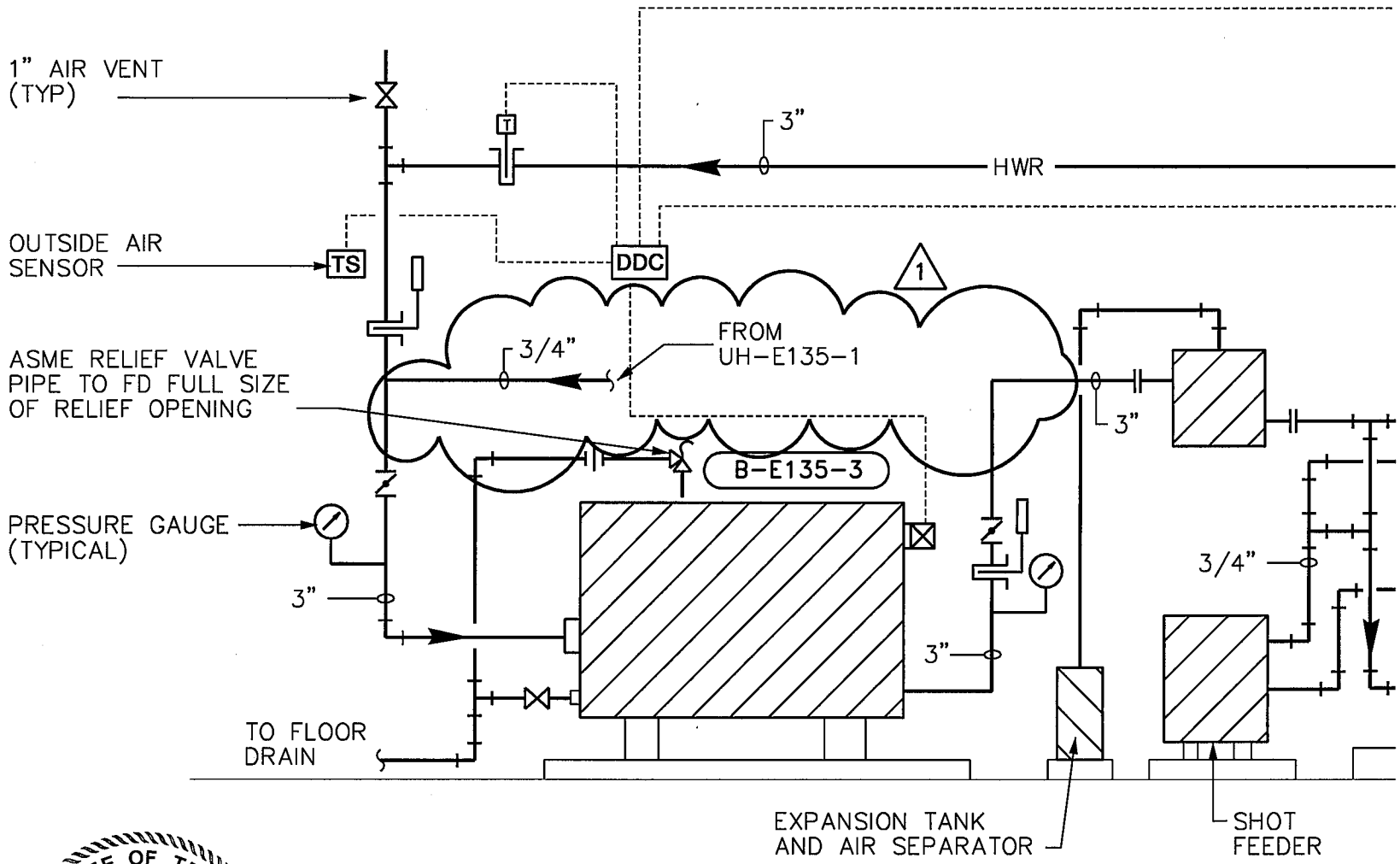

STATE OF TEXAS
ERIK C. DIETZ
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REGISTERED
PROFESSIONAL ENGINEER
4/10/02

3
28 28

PARTIAL HOT WATER FLOW SCHEMATIC

NO SCALE

REVISTION TO:
SHEET NO. M-E135-00105 18 OF 2
DWG NO. M-E135-28

SKM-9

Scale AS NOTED
Project No 00105

BUILDING E135
MAINTENANCE HANGAR
MECHANICAL CONTROL SCHEMATICS

SHAH SMITH & ASSOCIATES, INC.
2825 WILCREST, SUITE 350
HOUSTON, TEXAS 77042
Phone: 713-780-7563
Fax: 713-780-9209

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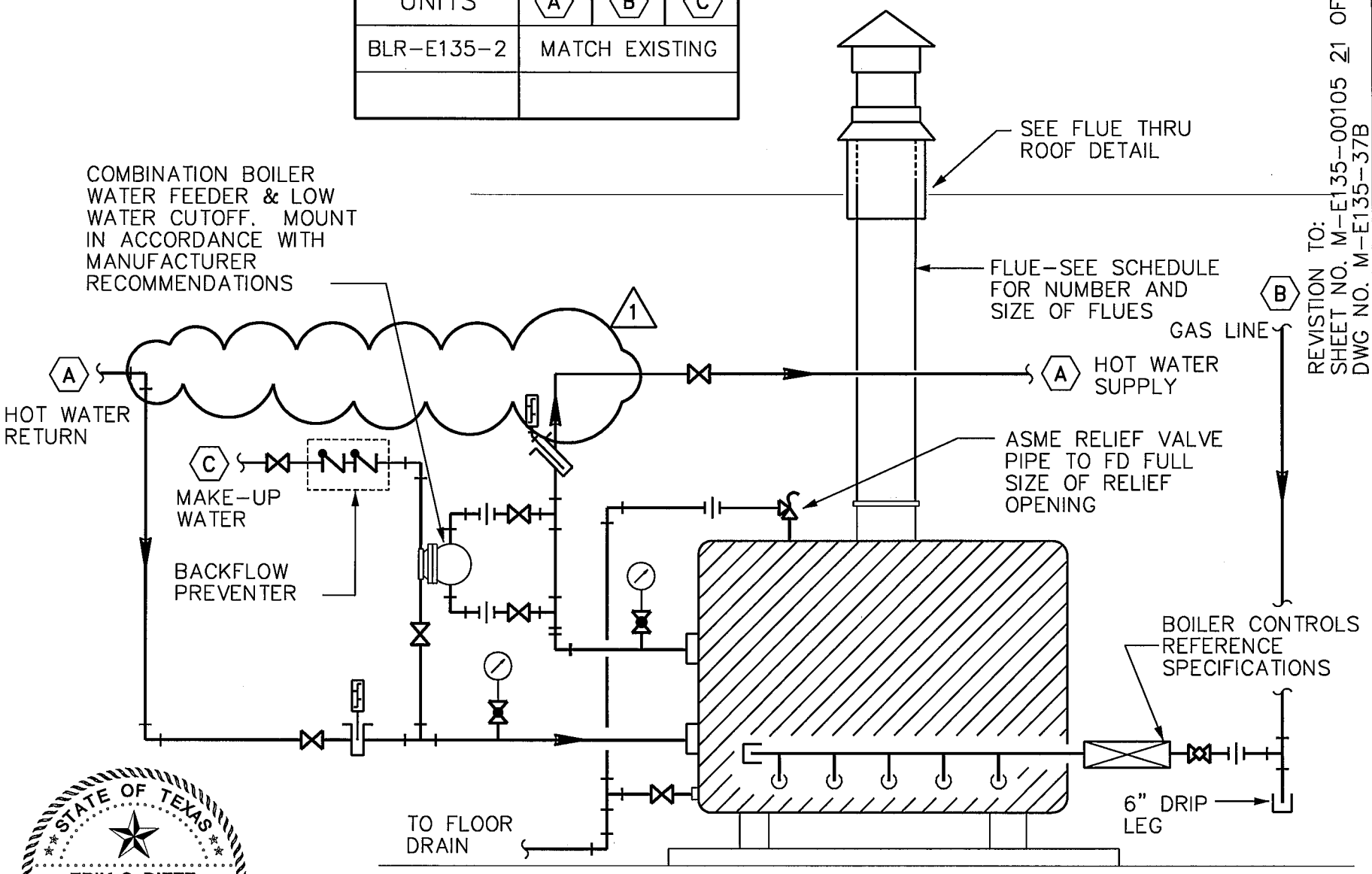
SIZE SCHEDULE			
UNITS	A	B	C
BLR-E135-2	MATCH EXISTING		



REVISTION TO:
SHEET NO. M-E135-00105 21 OF 21
DWG NO. M-E135-37B

STATE OF TEXAS
ERIK C. DIETZ
81924
REGISTERED PROFESSIONAL ENGINEER
4/10/02

7 HOT WATER BOILER PIPING DETAIL

NO SCALE

17B 37B 17A

BUILDING E135
MAINTENANCE HANGAR
MECHANICAL DETAILS

SKM -10

Project No 00105
Scale AS NOTED

SHAH SMITH & ASSOCIATES, INC.
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REVISTION TO:
SHEET NO. M-E135-00105 2 OF 21
DWG NO. M-E135-4B

GAS FIRED WATER HEATER SCHEDULE

MARK	STORAGE (GALLONS)	RECOVERY RATE @ 100 DEGREE F (GALLONS/HOUR)	STORAGE TEMPERATURE (DEG. F)	GAS INPUT CFH	DIMENSIONS (INCHES)		FLUE DIA. CONN (INCHES)	REMARKS
					HT.	DIA.		
WH-1	125	800	120	565	79	35	4	PVI#800P125A-PVL OR EQUAL

2

STATE OF TEXAS
ERIK C. DIETZ
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REGISTERED PROFESSIONAL ENGINEER
4/11/02

BUILDING E135
MAINTENANCE HANGAR
MECHANICAL SCHEDULES

Scale AS NOTED
Project No 00105

SKM
-11

SHAH SMITH & ASSOCIATES, INC.
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