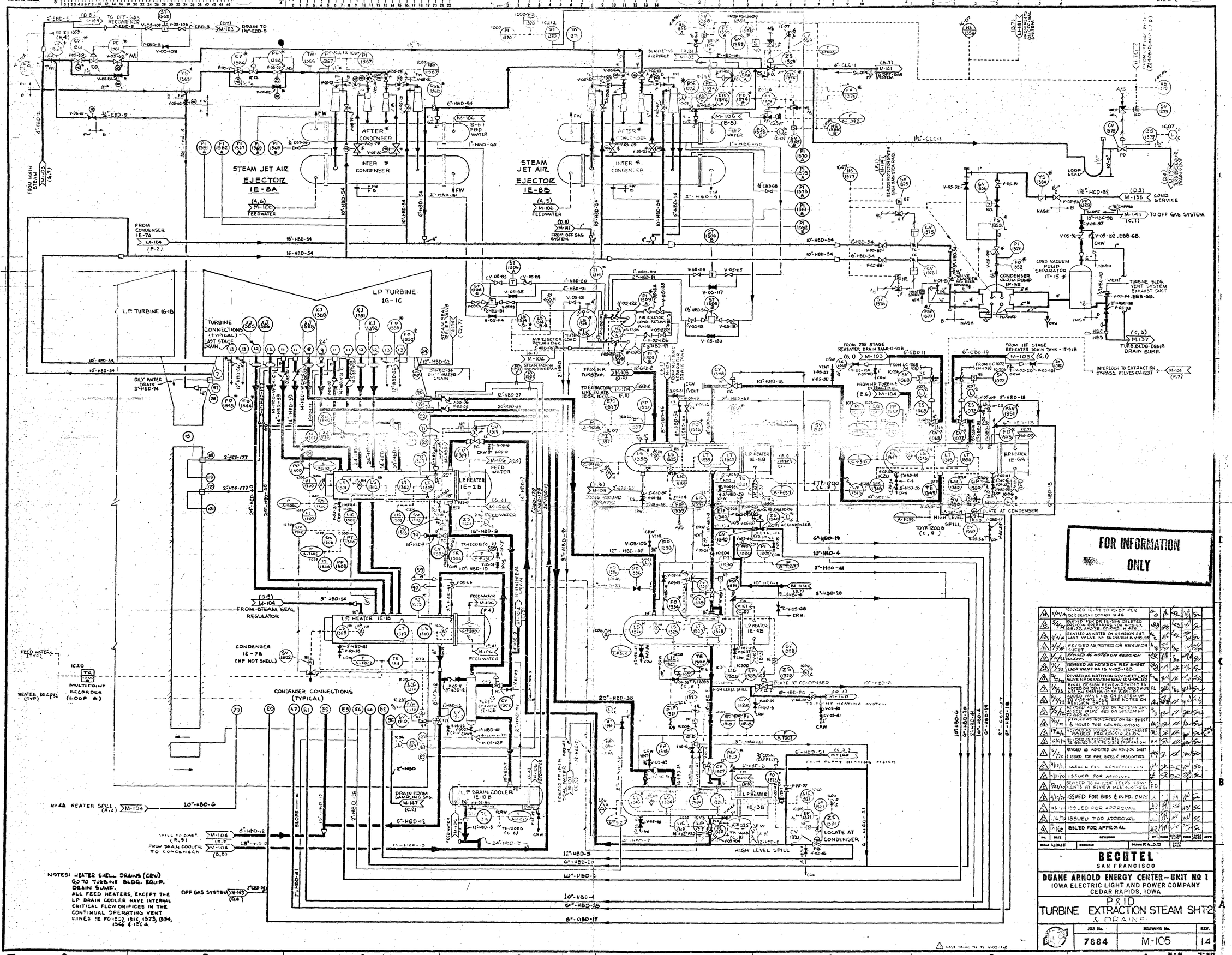
SCALING RULES
SIZE E
STEAM JET AIR EJECTOR 1E-8A
STEAM JET AIR EJECTOR 1E-8B
AFTER CONDENSER
INTER CONDENSER
LP TURBINE 1G-1B
LP TURBINE 1G-1C
TURBINE CONNECTIONS (TYPICAL) LAST STAGE DRAIN
STEAM SEAL RELIEF VALVE
OILY WATER DRAIN 3"-HBD-76
FROM MAIN STEAM
FROM CONDENSER 1E-7A
FROM STEAM SEAL REGULATOR
CONDENSER 1E-7B (HP HOT SHELL)
CONDENSER CONNECTIONS (TYPICAL)
MULTIPOINT RECORDER (LOOP 8)
LP HEATER 1E-1B
LP HEATER 1E-2B
LP HEATER 1E-5B
LP HEATER 1E-3B
HP HEATER 1E-6B
LP DRAIN COOLER 1E-10B
DRAIN FROM SAMPLING SYS.
FROM HP TURBINE
TO EXTRACTION LINE TO HTR. 1E-5A
FROM 2ND STAGE REHEATER DRAIN TANK-1T-92B
FROM 1ST STAGE REHEATER DRAIN TANK - 1T-91B
FROM HP TURBINE EXTRACTION
TO OFF GAS SYSTEM
COND. VACUUM PUMP SEPARATOR 1T-15
CONDENSER VACUUM PUMP 1P-52
LOOP SEAL
COND SERVICE
TURBINE BLDG. VENT SYSTEM EXHAUST DUCT
TURB BLDG. EQUIP. DRAIN SUMP.
INTERLOCK TO EXTRACTION BY-PASS VALVES CV-1237
HIGH LEVEL SPILL
LOCATE AT CONDENSER
FROM PLANT HEATING SYSTEM
TO PLANT HEATING SYSTEM
FEED WATER
OFF GAS SYSTEM
NOTES: HEATER SHELL DRAINS (CRW) GO TO TURBINE BLDG. EQUIP. DRAIN SUMP.
ALL FEED HEATERS, EXCEPT THE LP DRAIN COOLER HAVE INTERNAL CRITICAL FLOW ORIFICES IN THE CONTINUAL OPERATING VENT LINES 1E FO 1327, 1915, 1923, 1934, 1946 & 1E1.2
FOR INFORMATION ONLY
BECHTEL
SAN FRANCISCO
DUANE ARNOLD ENERGY CENTER—UNIT NO 1
IOWA ELECTRIC LIGHT AND POWER COMPANY
CEDAR RAPIDS, IOWA
P&ID
TURBINE EXTRACTION STEAM SHT-2 & DRAINS
JOB No. 7884
DRAWING No. M-105
REV. 14
SCALE NONE
DRAWN R.A.D.
34 x 44 "E" SIZE
This drawing and the design it covers are the property of BECHTEL. They are merely loaned and on the borrower's express agreement that they will not be reproduced, copied, loaned, exhibited, or used except in the limited way and private use permitted by any written consent given by the lender to the borrower.
BOX
MICROREPRODUCTION DO NOT SCALE
8X051300 49