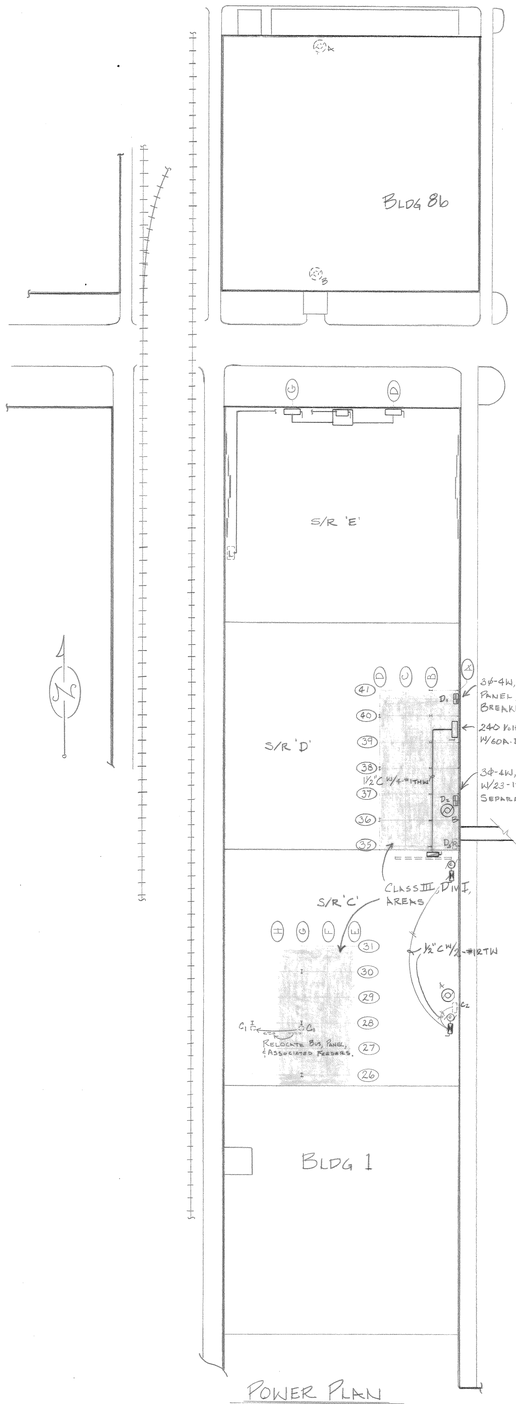
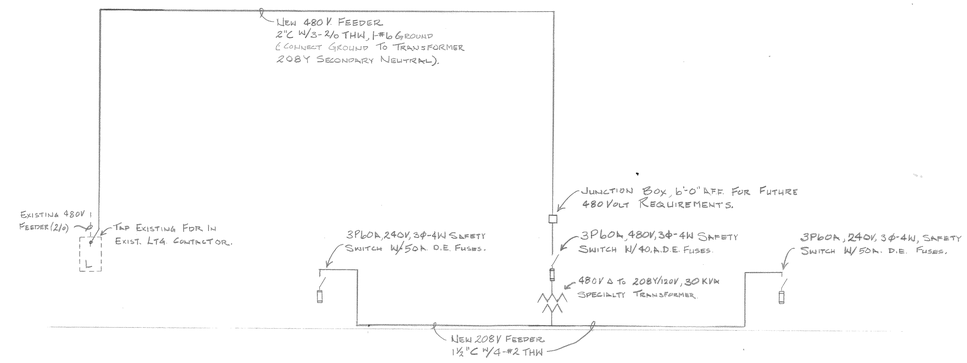
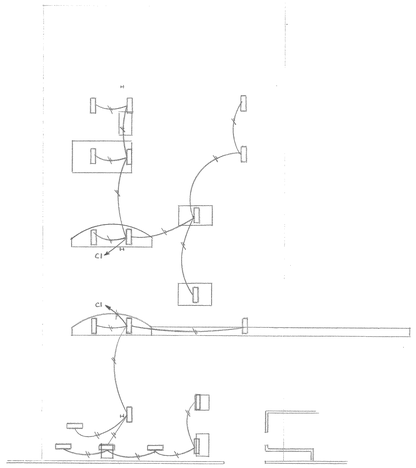


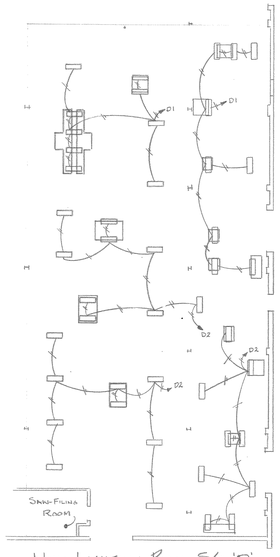
POWER PLAN
1" = 50'



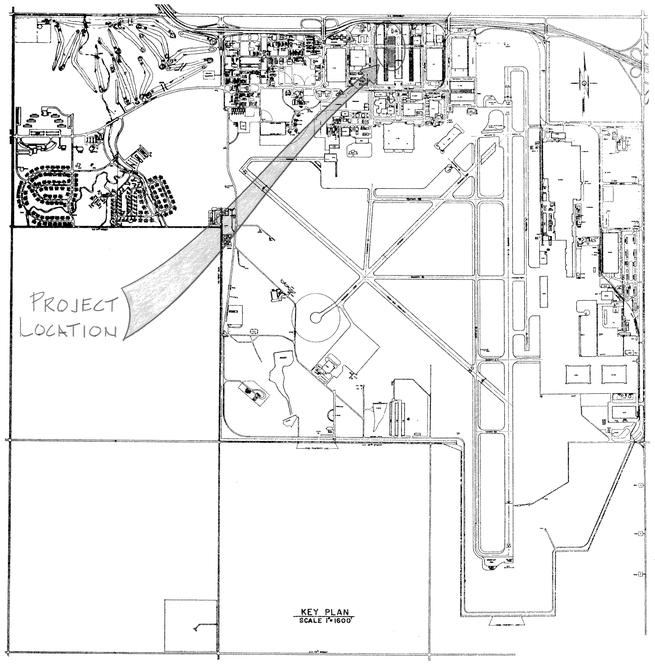
1-LINE DIAGRAM, STOCKROOM 'E'
NO SCALE



NEW LIGHTING PLAN, S/R 'C'
1/16" = 1'-0"



NEW LIGHTING PLAN, S/R 'D'
1/16" = 1'-0"



LEGEND

- NEW 3P60A FUSED DISCONNECT SWITCH
- NEW 3P100A BUS DUCT PLUG-IN W/100A. D.E. FUSES
- EXISTING PLUG-IN BUS DUCT 208V, 3Ø
- EXISTING LIGHTING CONTACTOR
- NEW 30 KVA SPECIALTY TRANSFORMER, 3 PH, CLASS AA, 480V 'Δ' PRIMARY, 208Y/120V SECONDARY.
- NEW LOCATION FOR BLOWER ASSEMBLY BEING RELOCATED BY OTHERS.
- EXISTING LOCATION OF BLOWER ASSEMBLY.
- NEW NEMA TYPE 4 PANELBOARD TO REPLACE EXISTING CIRCUIT-BREAKER PANEL (SAME LOCATION).
- EXISTING PANEL TO BE REMOVED & NOT REPLACED.
- NEW 1P30A, 240 VOLT, FUSED DISCONNECT SWITCH WITH 9 AMP, D.E. FUSES.
- NEW AIR COMPRESSOR MOTOR CONNECTION (1/4 HP, 120VAC, 14, 60HZ, 1725 RPM)
- C2 EXISTING 120/208V, 100A, 3Ø-4W/G.E. TYPE NAB PANELBOARD, (PROVIDE NEW 1P20A BREAKER FOR NEW MOTOR CIRCUITS)

AS BUILT
DATE: FEB 80

NOTES

1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
2. ALL WORK DONE & EQUIPMENT WITHIN THE SHADED AREAS (STKRMS 'C' & 'D') SHALL COMPLY WITH REQUIREMENTS FOR CLASS III, DIV. I, N.E.C.
3. NEW DRY-TYPE SPECIALTY TRANSFORMER SHALL HAVE 6-2½% TAPS (2 ABOVE, 4 BELOW) ON THE HIGH-VOLTAGE WINDINGS.
4. EXISTING SAW-FILING ROOM (FED FROM D3 BEING REMOVED) SHALL BE RE-FED FROM NEW 3P40A IN D2.
5. EXISTING LOADS TO REMAIN IN D1 & D2 SHALL BE RECONNECTED TO NEW BRKRS IN THE NEW PANELS.
6. RELOCATE AND PROVIDE NEW COVER FOR 'SQUARE D' 90 LOAD CENTER, C1, AS SHOWN.
7. NEW NON-UNIFORM FLUORESCENT LIGHTING SHALL BE PROVIDED OVER EQUIPMENT (SEE LIGHTING PLANS, THIS SHEET) IN STOCKROOMS 'C' & 'D'. EXISTING LIGHTING IN THE HAZARDOUS AREAS SHALL BE COMPLETELY REMOVED BACK TO THE PANELBOARD.
8. NEW FIXTURES SHALL BE SUSPENDED INDUSTRIAL 3-LAMP FLUORESCENT WITH 3-F40CW/RS LAMPS AND 120 VAC, CBM CERTIFIED BALLASTS. NEW FIXTURES SHALL BEAR LABEL INDICATING APPROVAL FOR USE IN CLASS III AREAS. MOUNTING SHALL BE BY ⅜" STEEL RODS AND/OR ½" RIGID METAL CONDUIT FROM ROOF TRUSSES.
9. NEW LOW PRESSURE ALARMS ON SPRINKLER SYSTEM SHALL BE SERVED FROM NEW 1P30A DISCONNECTS INSTALLED FOR NEW AIR COMPRESSORS.

COORDINATION

APPROVED / DATE: ENVIRONMENTAL ENGINEER / DEEV	
APPROVED / DATE: CORROSION ENGINEER / DEEE	
APPROVED / DATE: CHIEF, FIRE PREVENTION	
APPROVED / DATE: 1984 COMM. SQ. / LT70	
APPROVED / DATE	
APPROVED / DATE	
APPROVED / DATE	

REVISION	DATE	DESCRIPTION	BY	CKD

DEPARTMENT OF THE AIR FORCE
TINKER AIR FORCE BASE
OKLAHOMA CITY ALC
OKLAHOMA CITY — CIVIL ENGINEERING DIVISION — OKLAHOMA

DESIGNED BY: G. LYNN	DRAWN BY: G.A.L.
CHECKED BY: WTH 5-9-77	
SUBMITTED BY: CHIEF, ENGR. & CONSTUCTION BRANCH	
APPROVED: DEPUTY CIVIL ENGINEER	APPROVED: THE CIVIL ENGINEER — DATE 11 MAY 77
APPROVED: OFFICE, GROUND SAFETY ENGINEER — DATE 5 MAY 77	APPROVED: OFFICE, SURGEON (SAN. IND. HYG. ENGR.) — DATE 6 MAY 77

ALTER ELECTRIC SERVICE, BLDG 1

ELECTRICAL WORK

PROJ. NR. OC-142-7 — DATE MAR '77

DRAWING FILE NUMBER — SCALE: As Noted — DRAWING NUMBER: DE-F-7714-1 — SHEET 1 OF 3

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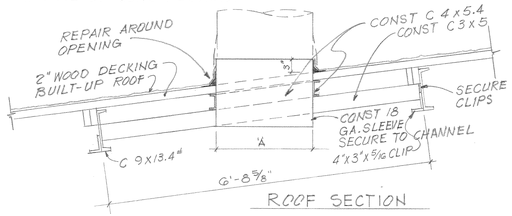
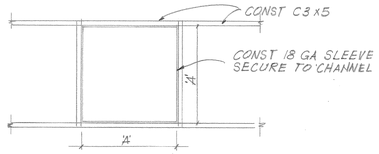
NOTE:
1. DIMENSION 'A' SHALL BE DETERMINED AT TIME OF CONSTRUCTION.
2. LOCATION OF PENETRATION SHALL BE DETERMINED AT TIME OF CONSTRUCTION.

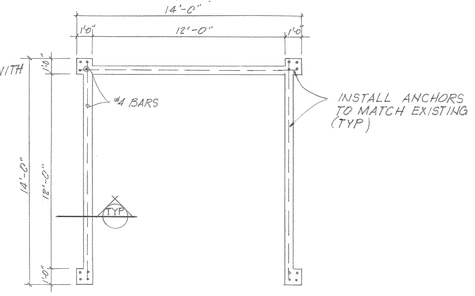


ROOF SECTION

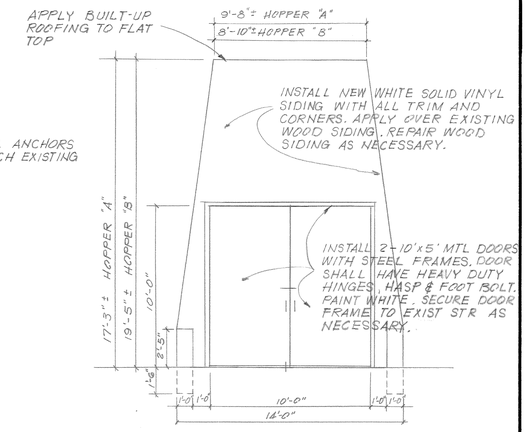


PENETRATION PLAN

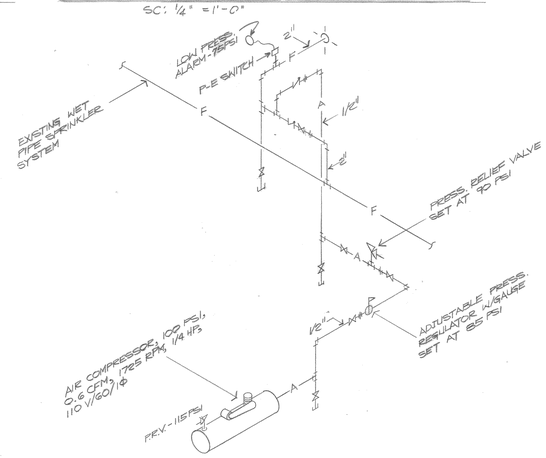
ROOF PENETRATION DETAIL
SC: 3/4" = 1'-0"



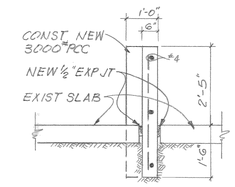
HOPPER FOUNDATION PLAN
SC: 1/4" = 1'-0"



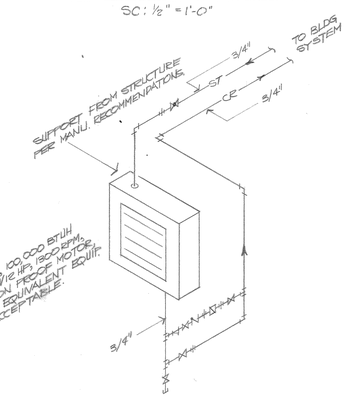
HOPPER ELEV.
SC: 1/4" = 1'-0"



SPRINKLER SYS. ISOMETRIC PIPING
NO SCALE



TYPICAL SECTION
SC: 1/2" = 1'-0"

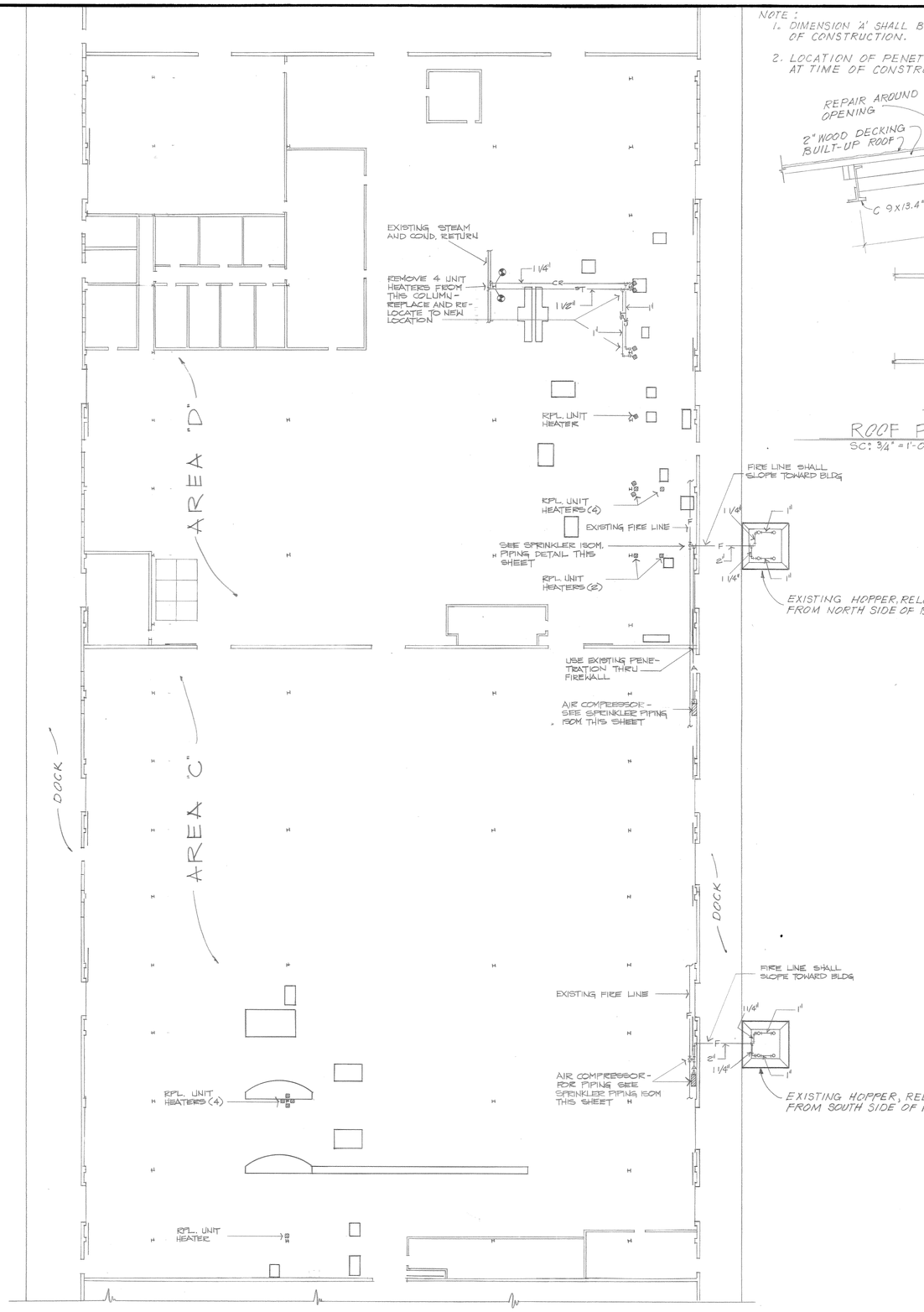


UNIT HEATER PIPING DETAIL
NO SCALE

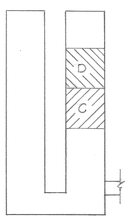
AS BUILT
DATE: FEB 80

MECHANICAL LEGEND

▣	UNIT HEATER
—CR—	CONDENSATE RETURN
—ST—	STEAM
—F—	FIRE LINE
—A—	COMPRESSED AIR
—⊕—	CONNECTION POINT TO EXISTING LINE
—D—	F&T STEAM TRAP
—o—	SPRINKLER HEAD



PARTIAL PLAN BLDG 1
SCALE: 1/16" = 1'-0"



BLDG 1 KEY PLAN

COORDINATION	REVISION	DATE	DESCRIPTION	BY	CKD

APPROVED / DATE — ENVIRONMENTAL ENGINEER / DEEV
APPROVED / DATE — CORROSION ENGINEER / DEEE
APPROVED / DATE — CHIEF, FIRE PREVENTION
APPROVED / DATE — 1984 COMM. SQ. / L70
APPROVED / DATE
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APPROVED / DATE

DEPARTMENT OF THE AIR FORCE
TINKER AIR FORCE BASE
OKLAHOMA CITY ALC
OKLAHOMA CITY — CIVIL ENGINEERING DIVISION — OKLAHOMA

DESIGNED BY: N. PAY & W. ALLEN
DRAWN BY: N. P. & W.A.
CHECKED BY: W.T.H. 5-9-77
SUBMITTED BY / DATE — CHIEF, ENGR. & CONSTUCTION BRANCH
APPROVED / DATE — DEPUTY CIVIL ENGINEER
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APPROVED / DATE — OFFICE, SURGEON (SAN IND. HYG ENGR.)
APPROVED / DATE — THE CIVIL ENGINEER

ALTER ELECTRIC SERVICE, BLDG 1

STRUCTURAL & MECH. WORK

DRAWING FILE NUMBER
SCALE: AS SHOWN
PROJ. NR. OC 142-7
DATE APR '77
DRAWING NUMBER: DE-F-7714-2
SHEET 2 OF 2

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