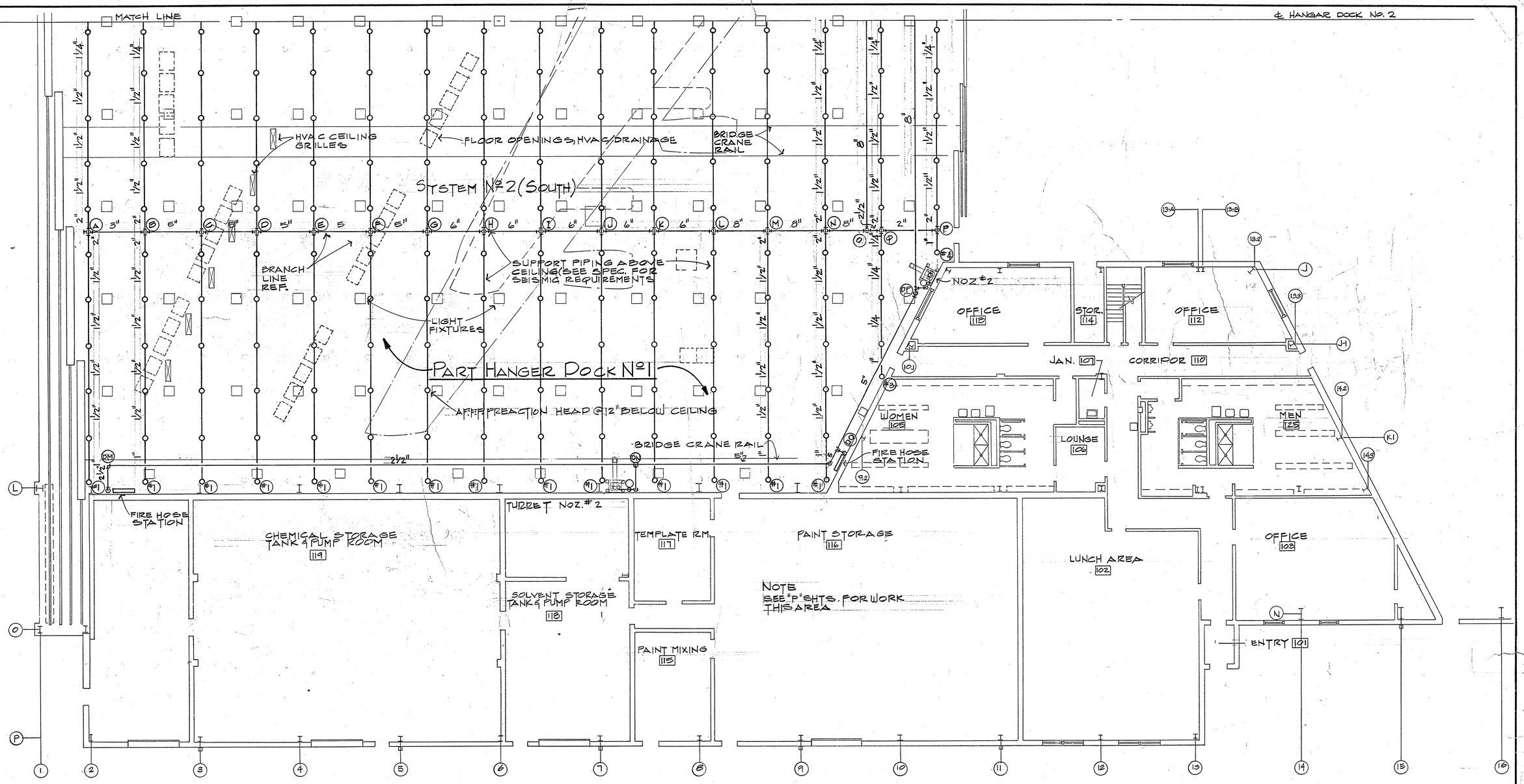


FLOOR PLAN I - FIRE PROTECTION

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET SP-2 FOR CONTINUATION OF PIPING IN HANGAR NO. 1
2. REFER TO SPECIFICATIONS FOR SEISMIC SUPPORT REQUIREMENTS
3. AFF FOAM/WATER SYSTEM PIPE SIZE ARE FOR BID PURPOSES ONLY. THE CONTRACTOR SHALL PERFORM HIS OWN HYDRAULIC CALCULATIONS AND REVISE PIPE SIZES REQUIRED TO CONFORM WITH NFPA.
4. FOAM/WATER MAINS & BRANCH LINES LOCATED ABOVE CEILING BELOW DUCTWORK, SUPPORTED FROM STRUCTURE WITH SPRINKLERS EXTENDING DOWN THRU CEILING

LEGEND

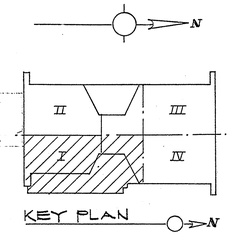
- FOAM/WATER (PENDANT)
- WET PIPE SPRINKLER HEAD - UPRIGHT
- DELUGE VALVE
- GATE VALVE
- CHECK VALVE
- REDUCER
- INCREASER
- FOAM TURRETT NOZZLE
- (2) SRINKLER HEAD REFERENCE TO HYDRAULIC CALCULATIONS
- (A) BRANCH LINE REFERENCE TO HYDRAULIC CALCULATIONS

NOTE: THESE SYMBOLS ARE FOR DESIGN INFORMATION ONLY AND ARE NOT REQ'D BY THE CONTRACTOR.

GRAPHIC SCALE

5' 0 5' 10' 15'

1/8" = 1'-0"



AS BUILT
DATE: OCT 79

D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION

KIRK & VOICH
CARTER & BURGESS INC.
YANDELL & HILLER INC.
FORT WORTH, TEXAS
ARCHITECT-ENGINEER CONSULTING ENG. CONSULTING ENG.

CORPS OF ENGINEERS
U. S. ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS

DESIGNED BY: R.J.K.
DRAWN BY: W.D.M.Jr.
CHECKED BY: A.W.H II
SUBMITTED BY:
ENGINEER:

TINKER AIR FORCE BASE, OKLAHOMA

AIRCRAFT PROTECTIVE COATING FACILITY

FLOOR PLAN I
FIRE PROTECTION

(EAST HALF - HANGAR DOCK NO. 1)

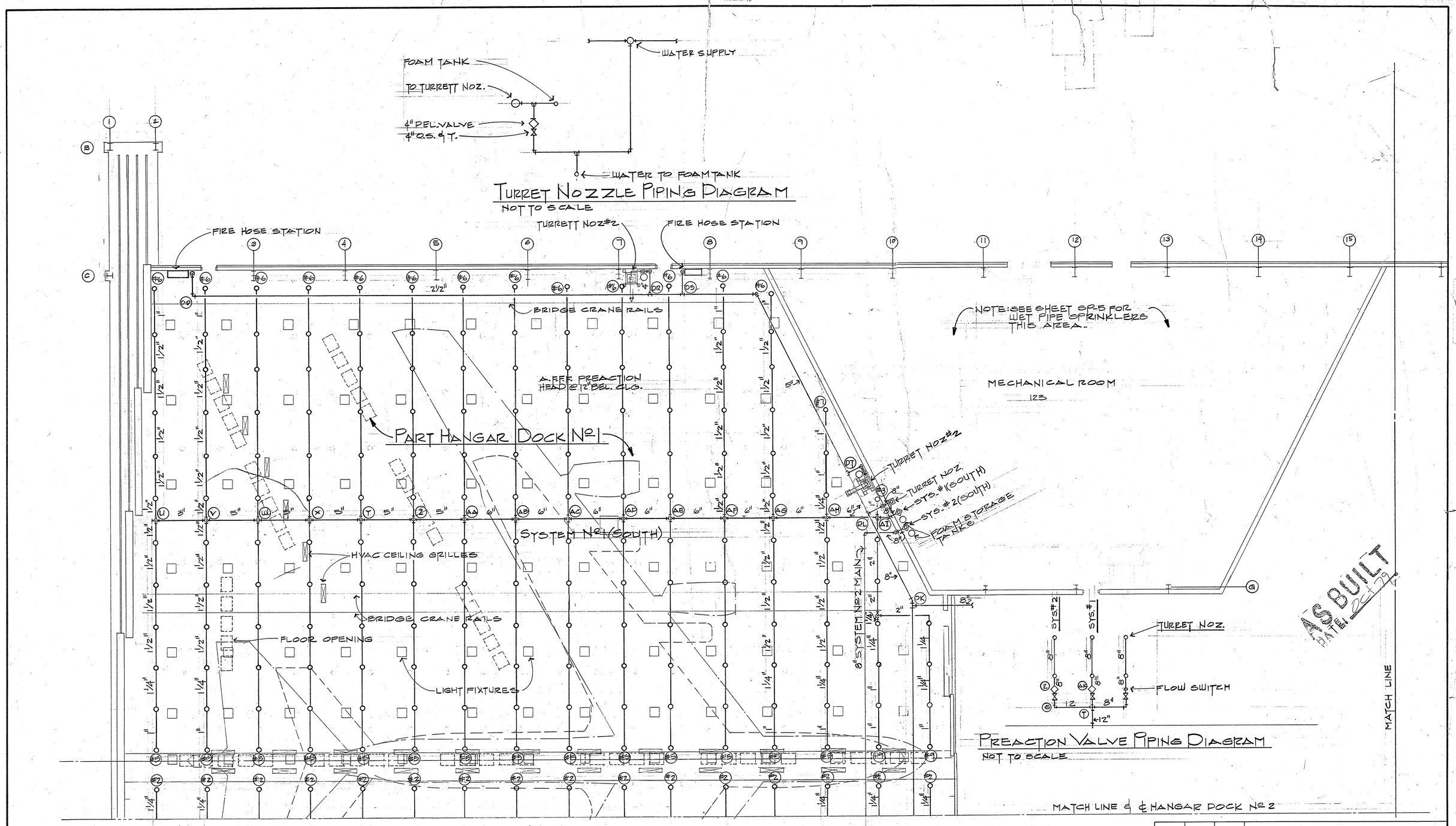
INVITATION NO DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-1 OF 10
SEQUENCE NO. 148

STATE OF TEXAS
ALBERT W. HILLER, II.
9133
REGISTERED PROFESSIONAL ENGINEER

CONTR. NO. DACA 63- 76 - C - 0111

CONTR. NO. DACA 63- 76 - C - 0

T6 - 2280 - F 3 - 154



FLOOR PLAN II - FIRE PROTECTION

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET SP-1 FOR SYMBOLS
2. REFER TO SHEET SP-1 FOR CONTINUATION OF DELUGE SYSTEM IN HANGAR Nº1
3. REFER TO SPECIFICATIONS FOR SEISMIC SUPPORT REQUIREMENTS
4. FOAM/WATER MAINS & BRANCH LINES LOCATED ABOVE CEILING & BELOW DUCK WORK, SUPPORTED FROM STRUCTURE WITH SPRINKLERS EXTENDING DOWN THRU CEILING.

GRAPHIC SCALE

5' 0 5' 10' 15'

1/8" = 1'-0"

KEY PLAN

N

STATE OF TEXAS — ALBERT W. HILLER, II — 9138 — REGISTERED PROFESSIONAL ENGINEER

CONTR. NO. DACA 63- 76 - C - 0111

D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION

KIRK & VOICH — ARCHITECT-ENGINEER
CARTER & BURGESS INC. — CONSULTING ENG.
YANDELL & HILLER INC. — CONSULTING ENG.
FORT WORTH, TEXAS

CORPS OF ENGINEERS
U. S. ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS

DESIGNED BY: R.J.K
DRAWN BY: W.D.M.Jr.
CHECKED BY: A.W.H.II
SUBMITTED BY:
ENGINEER:

TINKER AIR FORCE BASE, OKLAHOMA

AIRCRAFT PROTECTIVE COATING FACILITY

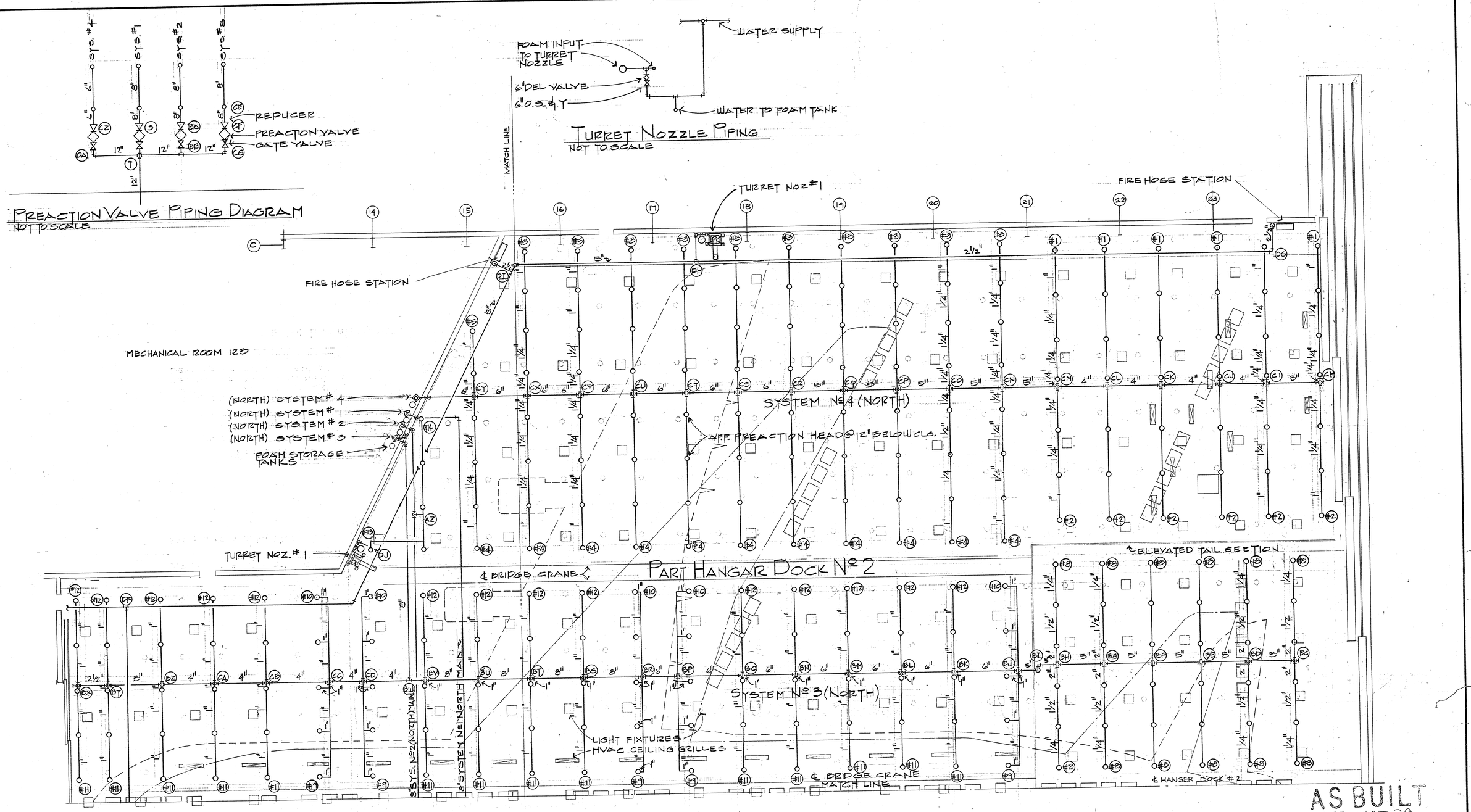
FLOOR PLAN II
FIRE PROTECTION

(WEST HALF - HANGAR DOCK NO. 1)

INVITATION NO DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-2 OF 10
SEQUENCE NO. 149

CONTR. NO. DACA 63-76-C-0111

T6 - 2280 - F 3 - 153



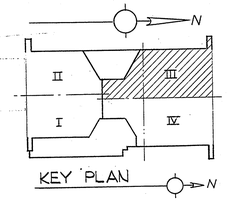
FLOOR PLAN III - FIRE PROTECTION

SCALE: 1/8" = 1'-0"

GRAPHIC SCALE

5' 0 5' 10' 15'

1/8" = 1'-0"



GENERAL NOTES:

1. REFER TO SHEET SP-1 FOR SYMBOLS.
2. REFER TO SHEET SP-4 FOR CONTINUATION OF DELUGE SYSTEM THIS HANGAR.
3. REFER TO SPECIFICATIONS FOR SEISMIC SUPPORT REQUIREMENTS.
4. FOAM/WATER MAINS & BRANCH LINES LOCATED ABOVE CEILING BELOW DUCT WORK, SUPPORTED FROM STRUCTURE WITH SPRINKLERS EXTENING DOWN THRU CEILING.

STATE OF TEXAS — ALBERT W. HILLER, JR. — 9138 — REGISTERED PROFESSIONAL ENGINEER

CONTR. NO. DACA 63- 76 - C-0111

D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION

KIRK & VOICH — ARCHITECT-ENGINEER
CARTER & BURGESS INC. — CONSULTING ENG.
YANDELL & HILLER INC. — CONSULTING ENG.
FORT WORTH — TEXAS

CORPS OF ENGINEERS
U. S. ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS

DESIGNED BY: R.J.K.
DRAWN BY: W.D.M.Jr.
CHECKED BY: A.W.H.II
SUBMITTED BY:
ENGINEER:

TINKER AIR FORCE BASE, OKLAHOMA

AIRCRAFT PROTECTIVE COATING FACILITY

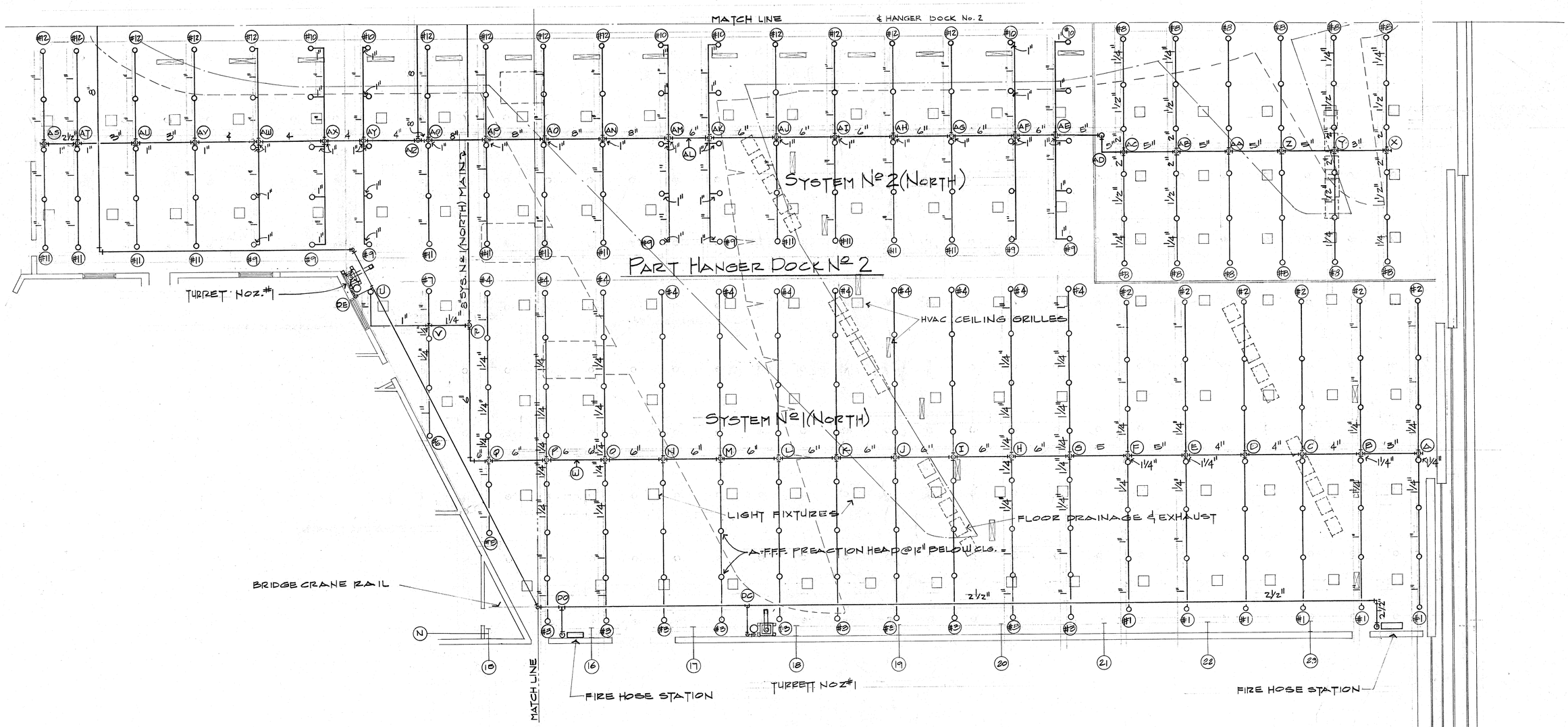
FLOOR PLAN III
FIRE PROTECTION

(WEST HALF - HANGAR DOCK NO.2)

INVITATION NO DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-3 OF 10
SEQUENCE NO. 150

CONTR. NO. DACA 63- 76 - C-0111

T6 - 2280 - F 3 - 152



FLOOR PLAN IV - FIRE PROTECTION

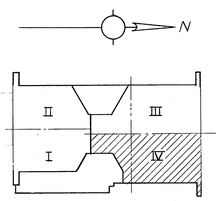
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. REFER TO SHEET SP1 FOR SYMBOLS.
2. REFER TO SPECIFICATIONS FOR SEISMIC SUPPORT REQUIREMENTS.
3. FOAM/WATER MAINS & BRANCH LINES LOCATED ABOVE CEILING, BELOW DUCT WORK SUPPORTED FROM STRUCTURE WITH SPRINKLERS EXTENDING DOWN THRU CEILING.

AS BUILT
DATE: Oct 77

GRAPHIC SCALE
5' 0 5' 10' 15'
1/8" = 1'-0"



KEY PLAN

D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION

KIRK & VOICH — ARCHITECT-ENGINEER
CARTER & BURGESS INC. — CONSULTING ENG.
YANDELL & HILLER INC. — CONSULTING ENG.
FORT WORTH, TEXAS

CORPS OF ENGINEERS
U.S. ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS

DESIGNED BY: R.J.K
DRAWN BY: W.D.M.Jr
CHECKED BY: A.W.H II

TINKER AIR FORCE BASE, OKLAHOMA

AIRCRAFT PROTECTIVE COATING FACILITY
FLOOR PLAN IV
FIRE PROTECTION
(EAST HALF - HANGAR DOCK NO. 2)

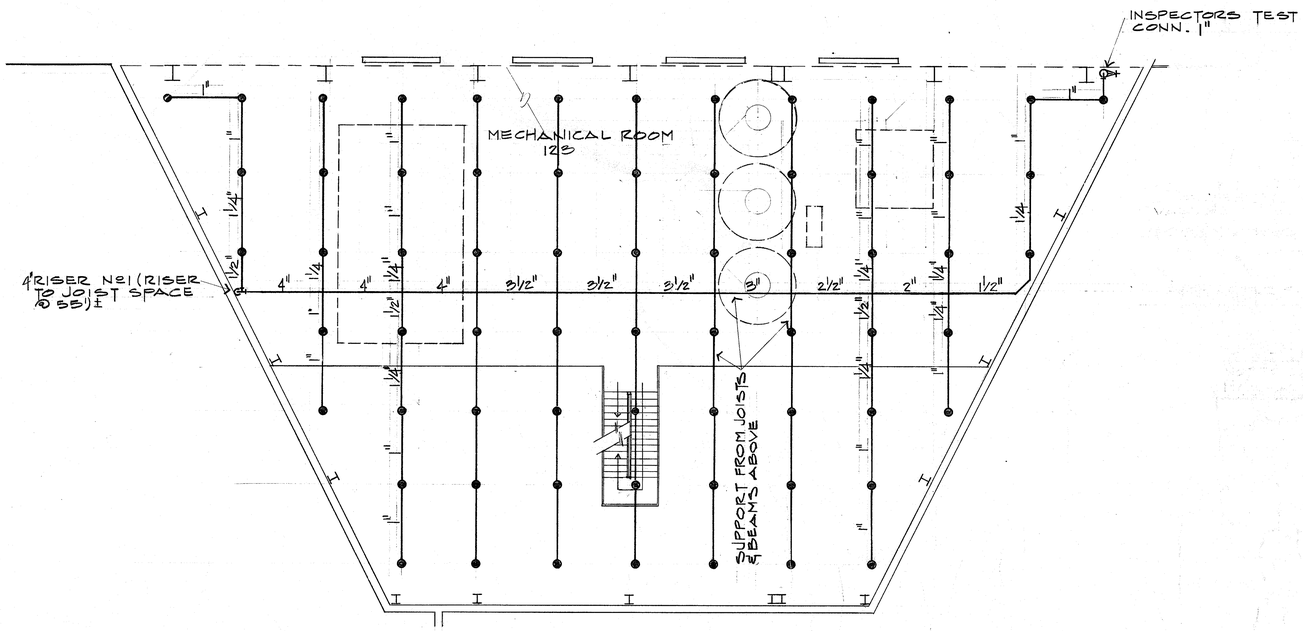
SUBMITTED BY:
ENGINEER:

INVITATION NO DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-4 OF 10
SEQUENCE NO. 151

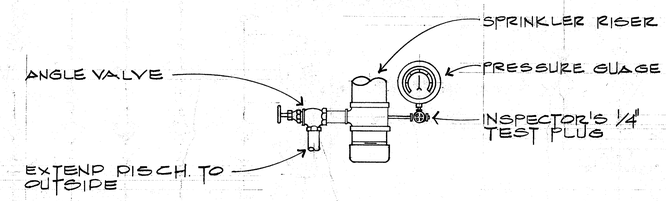
CONTR. NO. DACA 63-76-C-0111

CONTR. NO. DACA 63-76-C-0111

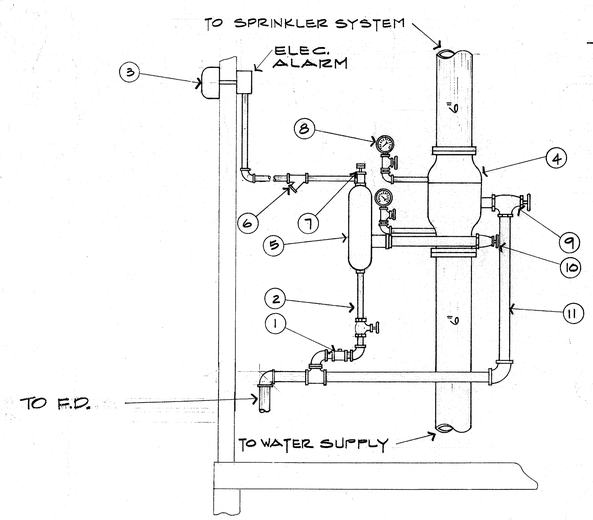
T6 - 2280 - F 3 - 151



MEZZANINE LEVEL FLOOR PLAN - WEST SUPPORT AREA - FIRE PROTECTION
WET PIPE SPRINKLER SYSTEM (ORDINARY HAZARD)
SCALE: 1/8" = 1'-0"



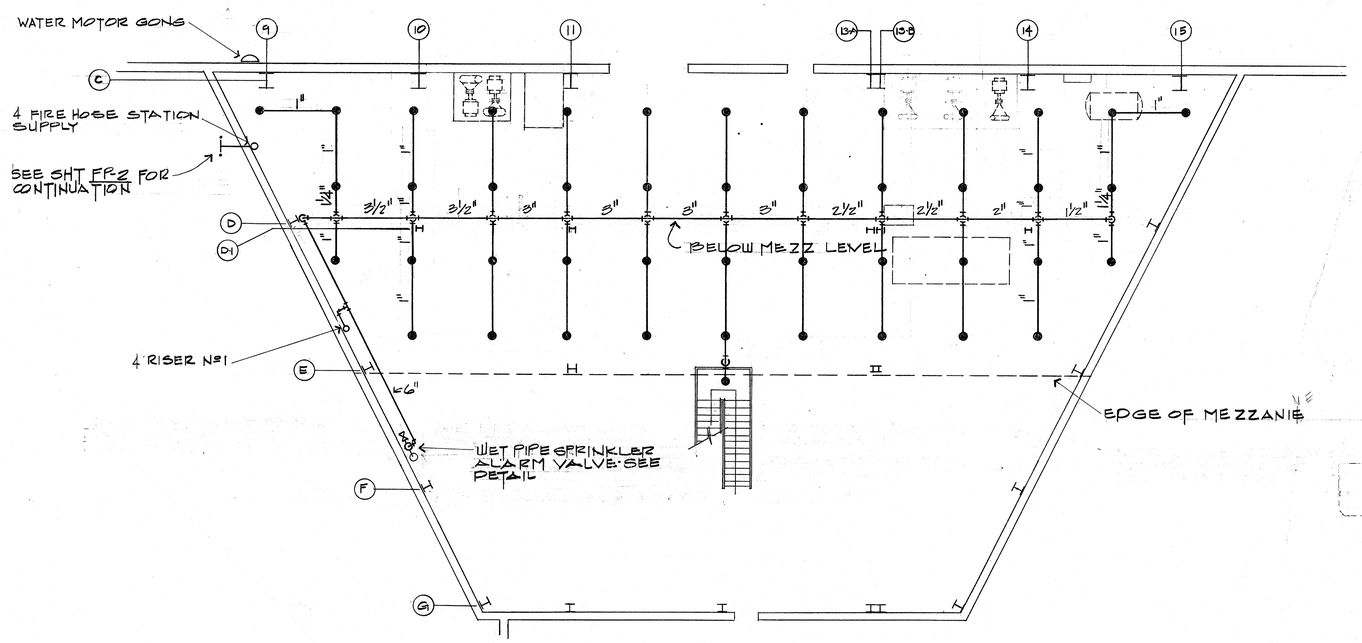
INSPECTORS TEST DETAIL
NOT TO SCALE



LEGEND
1. CHECK VALVE
2. RETARDING CHAMBER DRAIN
3. WATER MOTOR ALARM
4. WET PIPE ALARM VALVE
5. RETARDING CHAMBER
6. ALARM LINE STRAINER
7. PRESSURE SWITCH
8. WATER GUAGE (2 REQUIRED)
9. MAIN DRAIN VALVE
10. ALARM TEST VALVE
11. MAIN DRAIN

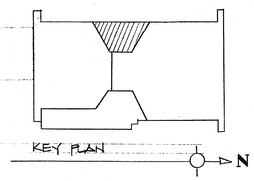
WET PIPE ALARM VALVE DETAIL
NOT TO SCALE

AS BUILT
DATE: OCT 79



MAIN LEVEL FLOOR PLAN - WEST SUPPORT AREA - FIRE PROTECTION
WET PIPE SPRINKLER SYSTEM (ORDINARY HAZARD)
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE
1/8" = 1'-0"
5' 0 5' 10' 15'



CONTR. NO. DACA 63- 76 - C - 0111

DO NO.	ACTION	DATE	DESCRIPTION OF REVISION

KIRK & VOICH — ARCHITECT-ENGINEER
CARTER & BURGESS INC. — CONSULTING ENG.
YANDELL & HILLER INC. — CONSULTING ENG.
FORT WORTH, TEXAS

CORPS OF ENGINEERS
U. S. ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS

DESIGNED BY: RJK
DRAWN BY: W.D.M. Jr.
CHECKED BY: A.W.H. II
SUBMITTED BY:
ENGINEER:

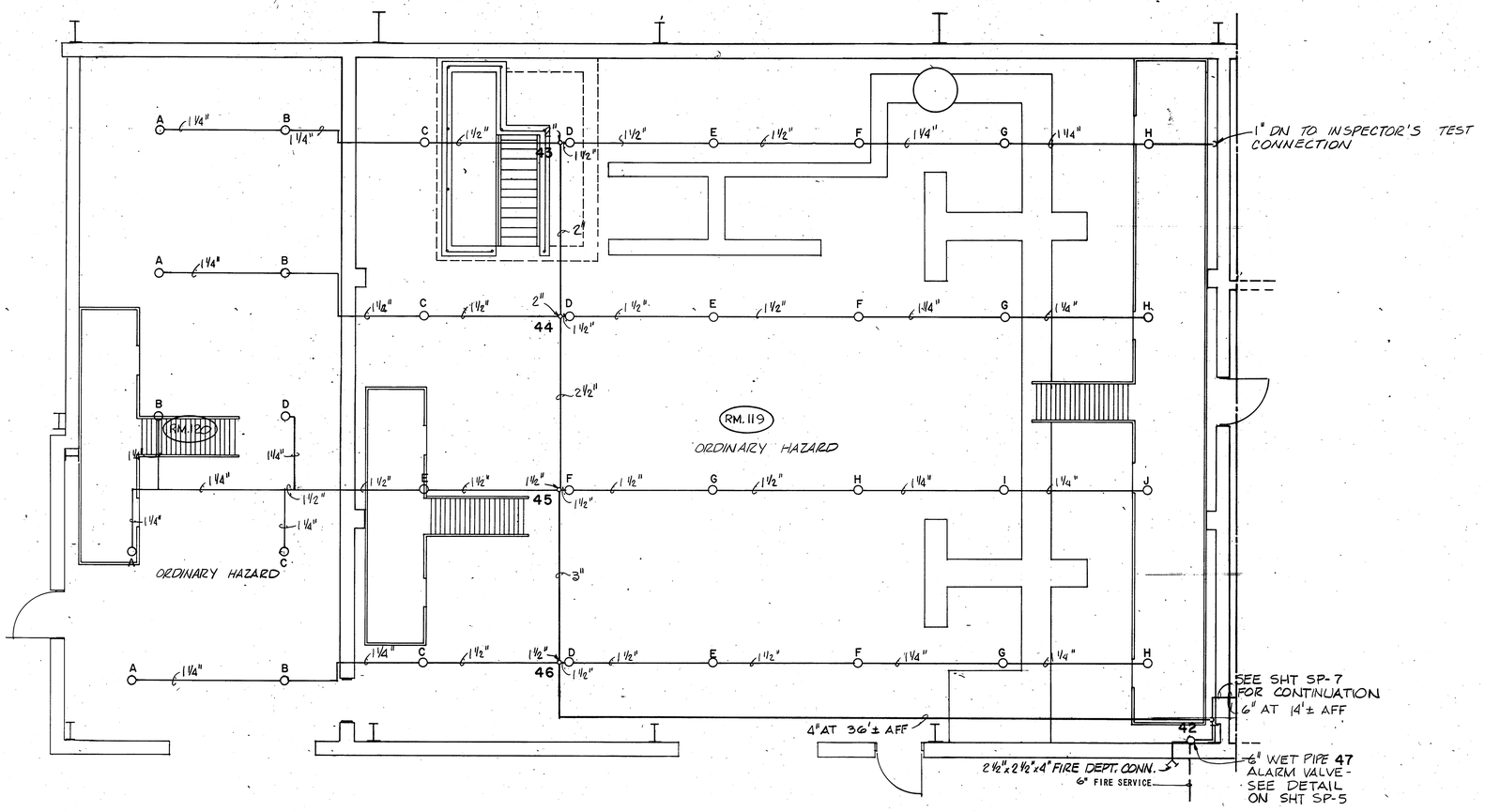
TINKER AIR FORCE BASE, OKLAHOMA

AIRCRAFT PROTECTIVE COATING FACILITY
FLOOR PLANS - FIRE PROTECTION
(EAST SUPPORT AREA)

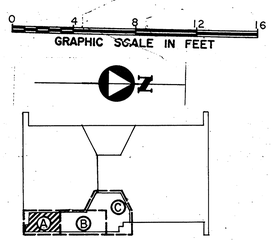
INVITATION NO DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-5 OF 10
SEQUENCE NO. 152

CONTR. NO. DACA 63- 76 - C - 0111

TS - 2280 - F 3 - 150



NOTE: SEE SHT SP-8 FOR LEGEND



KEY PLAN

AS BUILT
DATE: OCT 79

DO NO	ACTION	DATE	DESCRIPTION OF REVISION

KIRK & VOICH ARCHITECT-ENGINEER
CARTER & BURGESS INC. CONSULTING ENG.
YANDELL & HILLER INC. CONSULTING ENG.
FORT WORTH, TEXAS

CORPS OF ENGINEERS
U S ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS

DESIGNED BY: A.D.D.
DRAWN BY: A.D.D.
CHECKED BY: J.S.O.

TINKER AIR FORCE BASE, OKLAHOMA

AIRCRAFT PROTECTIVE COATING FACILITY

FIRE PROTECTION PLAN

AREA I-A

SUBMITTED BY: W. W. Hammond
ENGINEER:

INVITATION NO DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-6 OF 10
SEQUENCE NO. 153

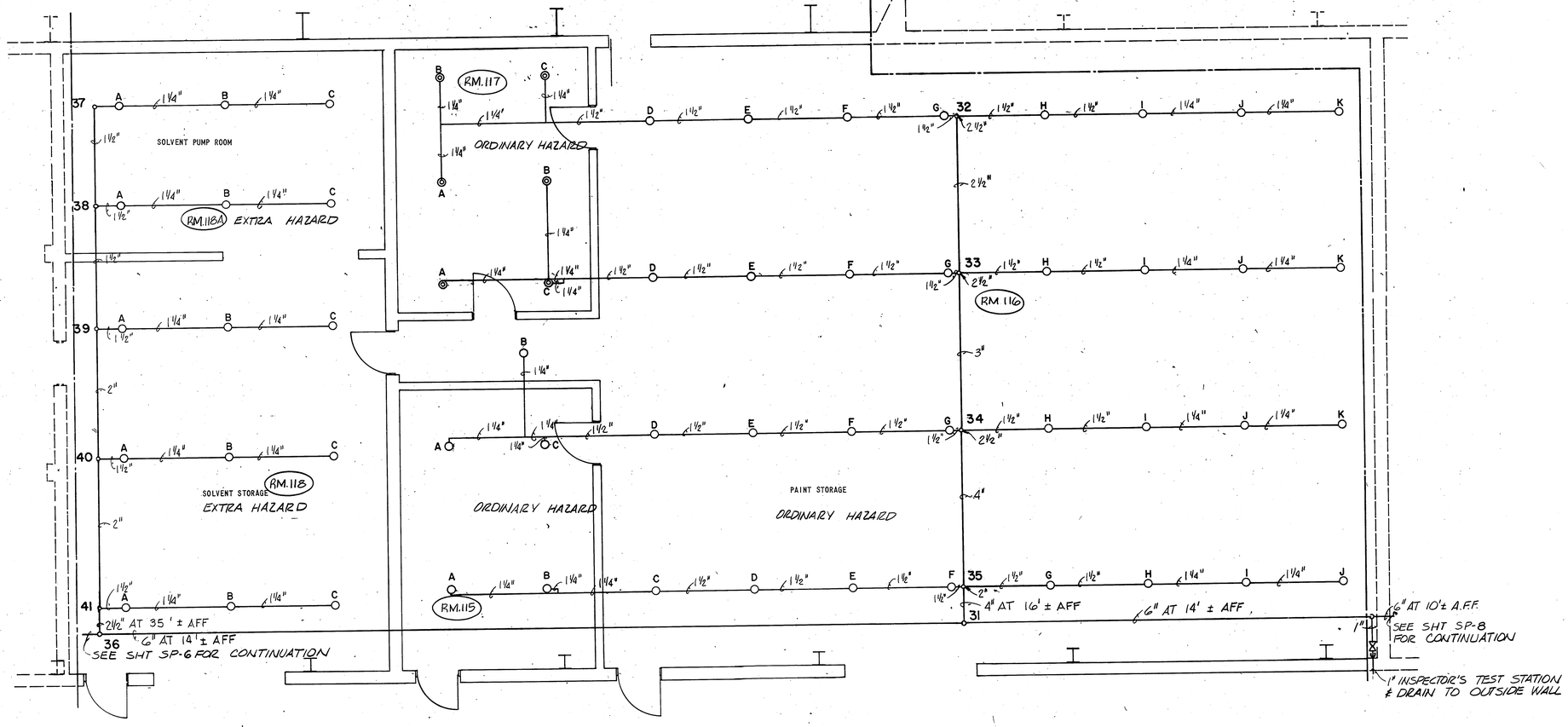
REGISTERED PROFESSIONAL ENGINEER W. W. HAMMOND 6108 OKLAHOMA

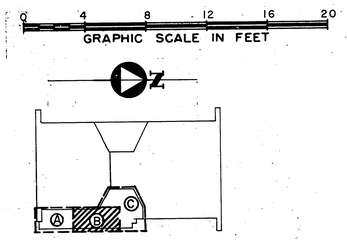
CONTR. NO. DACA63-76-C-0111

CONTR. NO. DACA63-76-C-0111

T6 - 2280 - F 3 - 149

TINKER AFB ~~[illegible]~~ AREA #1 SPRINKLER SYSTEM 74065





KEY PLAN

AS BUILT
DATE: OCT 79

NOTE: SEE SHT SP-8 FOR LEGEND

D.O. NO	ACTION	DATE	DESCRIPTION OF REVISION

KIRK & VOICH ARCHITECT-ENGINEER
CARTER & BURGESS INC. CONSULTING ENG.
YANDELL & HILLER INC. CONSULTING ENG.
FORT WORTH, TEXAS

CORPS OF ENGINEERS
U.S. ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS

DESIGNED BY: ADD
DRAWN BY: ADD
CHECKED BY: JSO

TINKER AIR FORCE BASE, OKLAHOMA

AIRCRAFT PROTECTIVE COATING FACILITY
FIRE PROTECTION PLAN
AREA I-B

SUBMITTED BY: W. N. Hammond
ENGINEER:

REGISTERED PROFESSIONAL ENGINEER W. N. HAMMOND 6108 OKLAHOMA

INVITATION NO DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-7 OF 10
SEQUENCE NO. 154

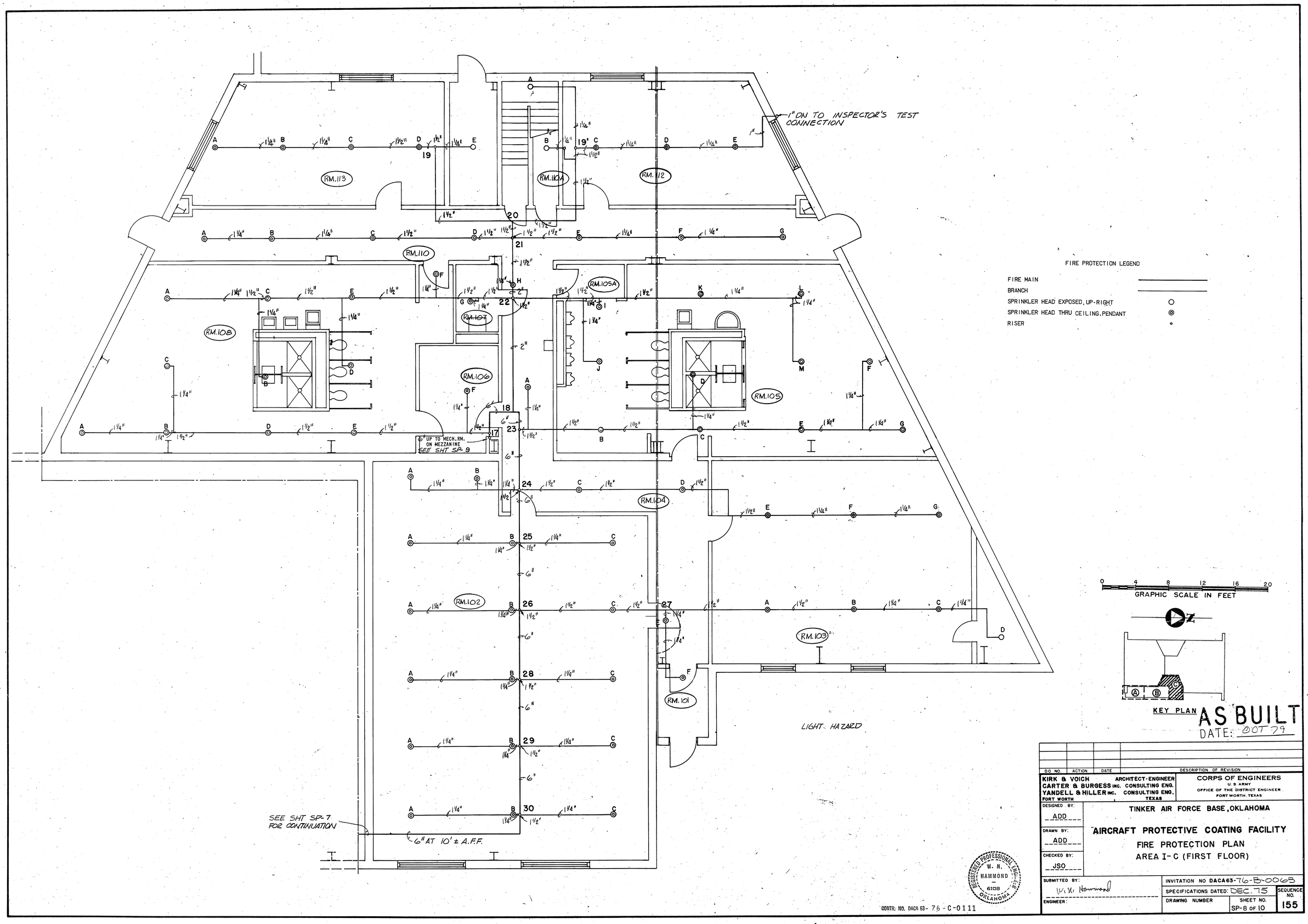
CONTR. NO. DACA 63- 76 - C-0111

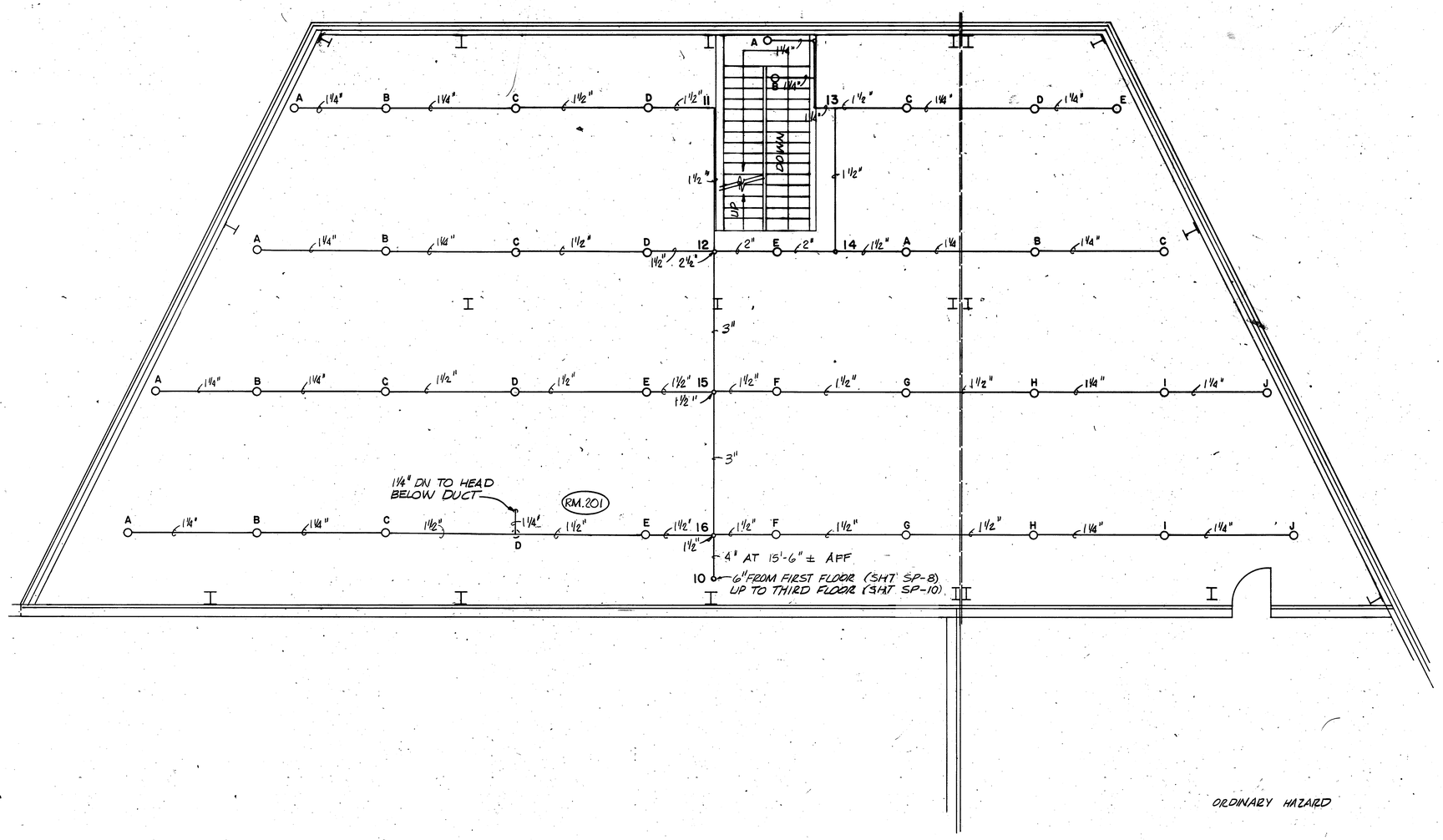
CONTR. NO. DACA 63- 76 - C-0111

T6 - 2280 - F 3 - 143

TINKER AFB 78065 : DACA 63
SPRINKLER SYSTEM

2

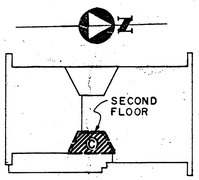

1" ON TO INSPECTOR'S TEST CONNECTION
RM.113
RM.110A
RM.112
RM.110
RM.105A
RM.108
RM.107
RM.106
RM.105
RM.104
RM.102
RM.103
RM.101
6" UP TO MECH. RM. ON MEZZANINE SEE SHT SP-9
SEE SHT SP-7 FOR CONTINUATION
6" AT 10' ± A.F.F.
LIGHT HAZARD
FIRE PROTECTION LEGEND
FIRE MAIN
BRANCH
SPRINKLER HEAD EXPOSED, UP-RIGHT
SPRINKLER HEAD THRU CEILING, PENDANT
RISER
GRAPHIC SCALE IN FEET
KEY PLAN
AS BUILT
DATE: OCT 79
DO NO. ACTION DATE DESCRIPTION OF REVISION
KIRK & VOICH ARCHITECT-ENGINEER
CARTER & BURGESS INC. CONSULTING ENG.
YANDELL & HILLER INC. CONSULTING ENG.
FORT WORTH TEXAS
CORPS OF ENGINEERS
U.S. ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS
DESIGNED BY: ADD
DRAWN BY: ADD
CHECKED BY: JSO
TINKER AIR FORCE BASE, OKLAHOMA
AIRCRAFT PROTECTIVE COATING FACILITY
FIRE PROTECTION PLAN
AREA I-C (FIRST FLOOR)
SUBMITTED BY: W. N. Hammond
ENGINEER:
INVITATION NO DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-8 OF 10
SEQUENCE NO. 155
REGISTERED PROFESSIONAL ENGINEER W. N. HAMMOND 6108 OKLAHOMA
CONTR. NO. DACA 63- 76 - C-0111



ORDINARY HAZARD

NOTE: SEE SHT SP-8 FOR LEGEND

0 4 8 12 16
GRAPHIC SCALE IN FEET



KEY PLAN

AS BUILT
DATE: OCT 79

DO NO.	ACTION	DATE	DESCRIPTION OF REVISION

KIRK & VOICH — ARCHITECT-ENGINEER
CARTER & BURGESS INC. — CONSULTING ENG.
YANDELL & HILLER INC. — CONSULTING ENG.
FORT WORTH, TEXAS

CORPS OF ENGINEERS
U.S. ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS

DESIGNED BY: ADD
DRAWN BY: ADD
CHECKED BY: JSO

TINKER AIR FORCE BASE, OKLAHOMA

AIRCRAFT PROTECTIVE COATING FACILITY
FIRE PROTECTION PLAN
AREA I-C (SECOND FLOOR)

SUBMITTED BY: W. W. Hammond
ENGINEER:

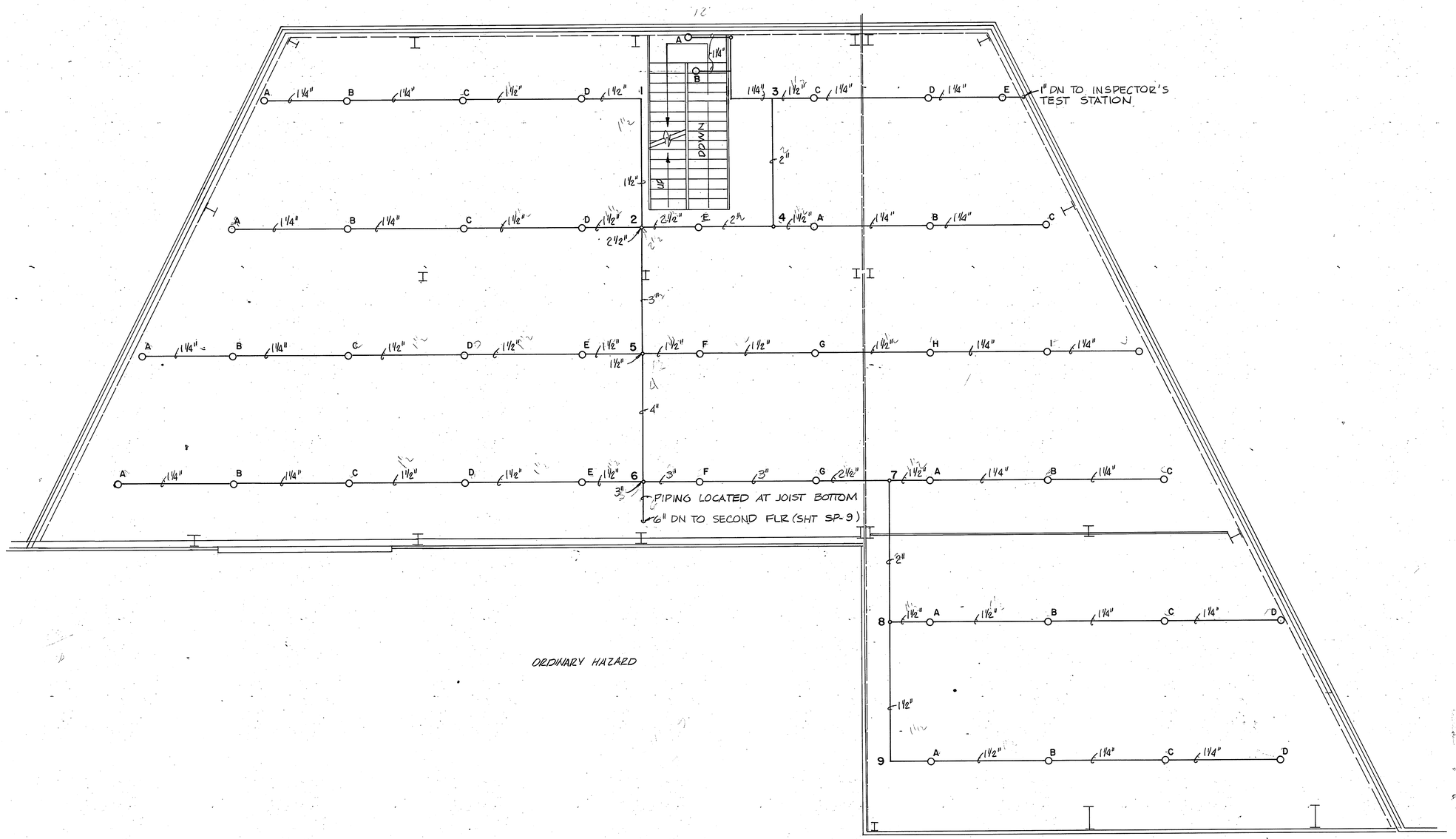
INVITATION NO DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-9 OF 10
SEQUENCE NO. 156

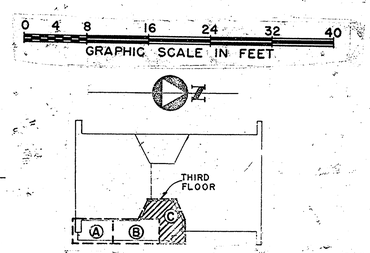
REGISTERED PROFESSIONAL ENGINEER W. N. HAMMOND 6108 OKLAHOMA

CONTR. NO. DACA 63- 76 - C - 0111

CONTR. NO. DACA 63- 76 - C - 0111

T6 - 2280 - F 3 - 146





KEY PLAN

AS BUILT
DATE: OCT 79

NOTE: SEE SHT SP-8 FOR LEGEND

D.O. NO.	ACTION	DATE	DESCRIPTION OF REVISION

KIRK & VOICH ARCHITECT-ENGINEER
CARTER & BURGESS INC. CONSULTING ENG.
YANDELL & HILLER INC. CONSULTING ENG.
FORT WORTH, TEXAS

CORPS OF ENGINEERS
U.S. ARMY
OFFICE OF THE DISTRICT ENGINEER
FORT WORTH, TEXAS

DESIGNED BY: ADD
DRAWN BY: ADD
CHECKED BY: JSO

TINKER AIR FORCE BASE, OKLAHOMA

AIRCRAFT PROTECTIVE COATING FACILITY

FIRE PROTECTION PLAN
AREA I-C (THIRD FLOOR)

SUBMITTED BY: W.N. Hammond
ENGINEER:

REGISTERED PROFESSIONAL ENGINEER W. N. HAMMOND 6108 OKLAHOMA

INVITATION NO. DACA63-76-B-0063
SPECIFICATIONS DATED: DEC. 75
DRAWING NUMBER
SHEET NO. SP-10 OF 10
SEQUENCE NO. 157

CONTR. NO. DACA 63- 76 - C - 0111

CONTR. NO. DACA 63- 76 - C - 0111

76 - 2280 - F 3 - 145