

**CDB 321-055-062  
PHASE B**

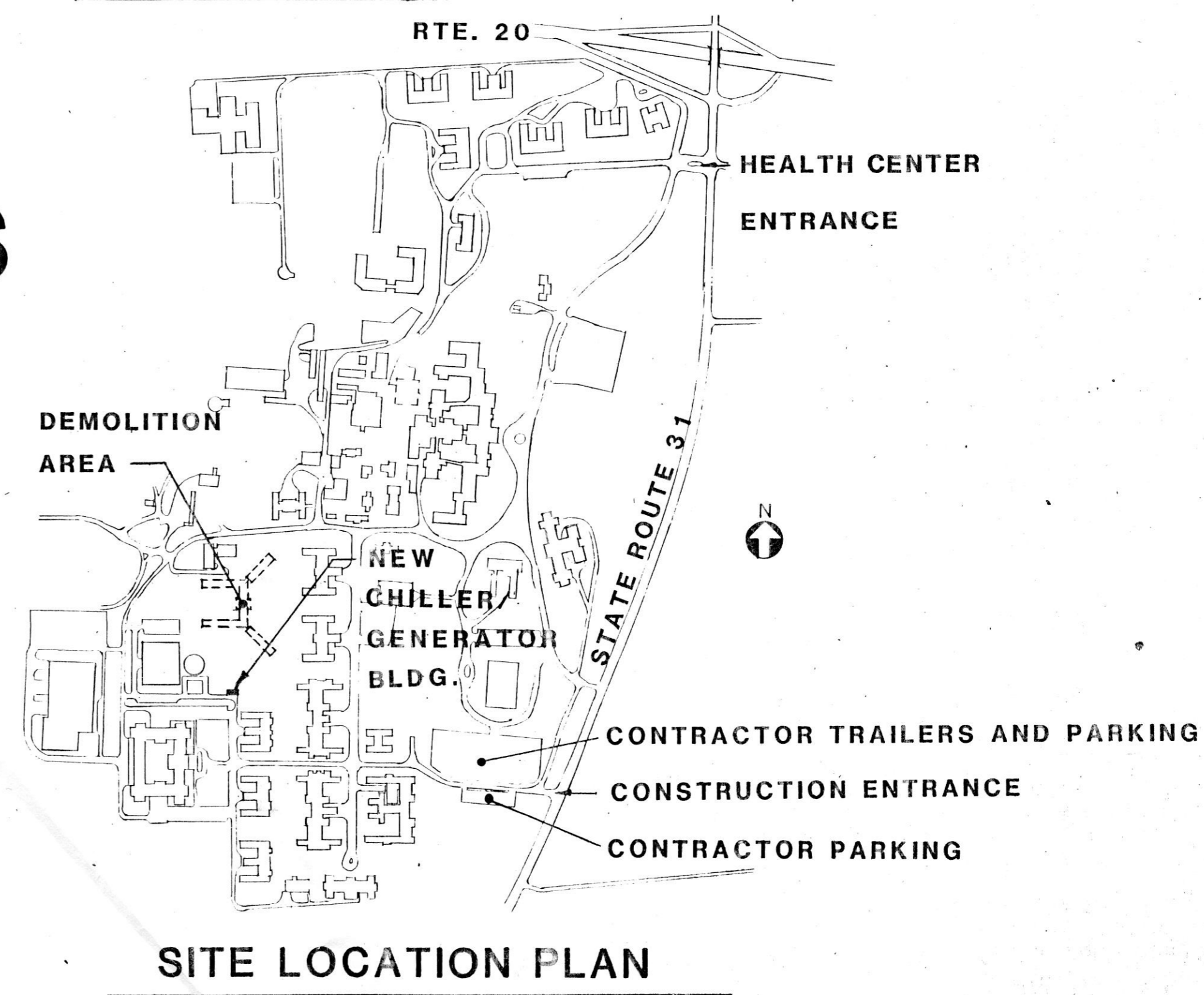
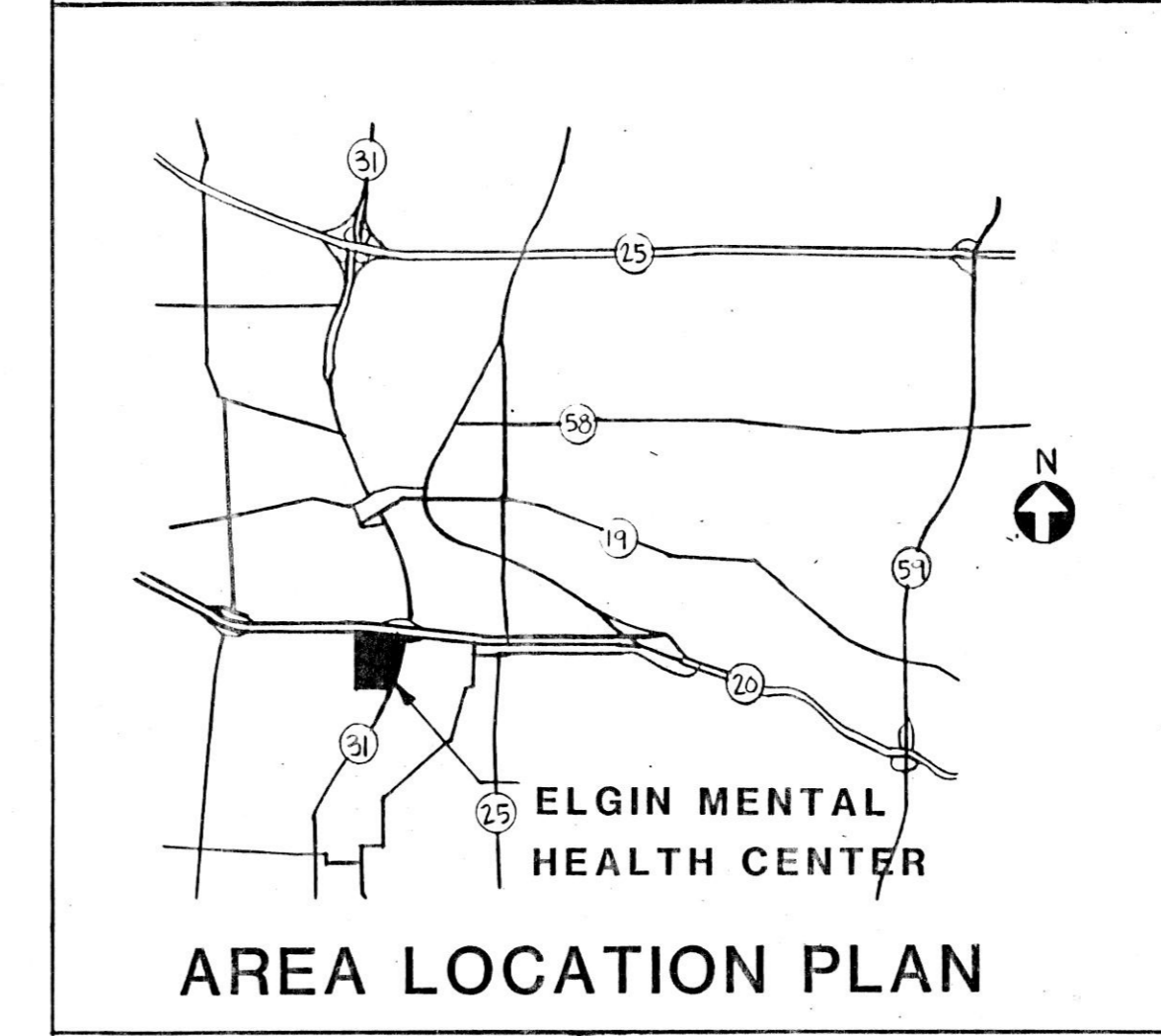
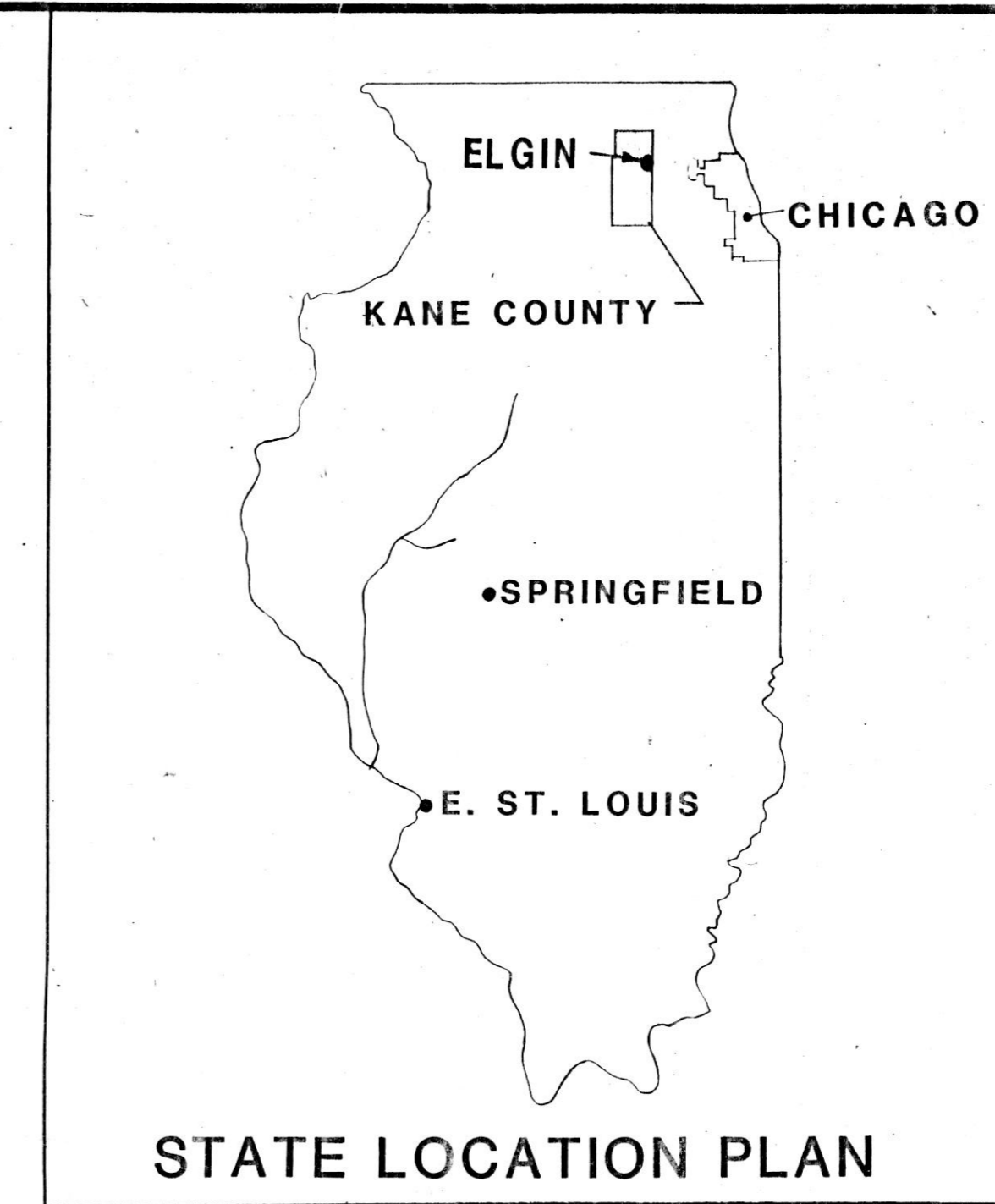
**SITE AND UTILITIES WORK  
ELGIN MENTAL HEALTH CENTER**

KANE COUNTY, ELGIN, ILLINOIS

FOR:  
**STATE OF ILLINOIS  
CAPITAL DEVELOPMENT BOARD**

USING AGENCY:  
**DEPARTMENT OF MENTAL HEALTH  
AND DEVELOPMENTAL DISABILITIES**

BY:  
**HOH ARCHITECTS, INC.  
ARCHITECT - ENGINEER**  
180 NORTH WABASH AVENUE, CHICAGO, ILLINOIS 60601 312-346-8131

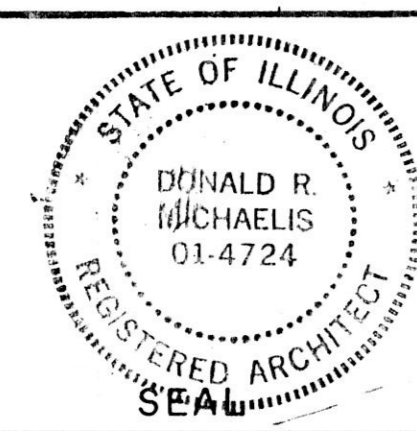


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E-8	ONE LINE DIAGRAMS NORMAL AND EMERGENCY

REVISIONS		
NO.	DATE	REMARKS

DRAWN P.B.H.	APP'D.
TRACED	APP'D.
CHECKED	APP'D.



**HOH ARCHITECTS, INC.**  
180 North Wabash Ave  
Chicago, Illinois 60601  
312/346-8131

PROJECT NUMBER **959**

APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

**STATE OF ILLINOIS  
CAPITAL DEVELOPMENT BOARD**

**TITLE SHEET AND LOCATION PLANS  
SITE AND UTILITIES WORK  
ELGIN MENTAL HEALTH CENTER  
KANE COUNTY, ELGIN, ILLINOIS**

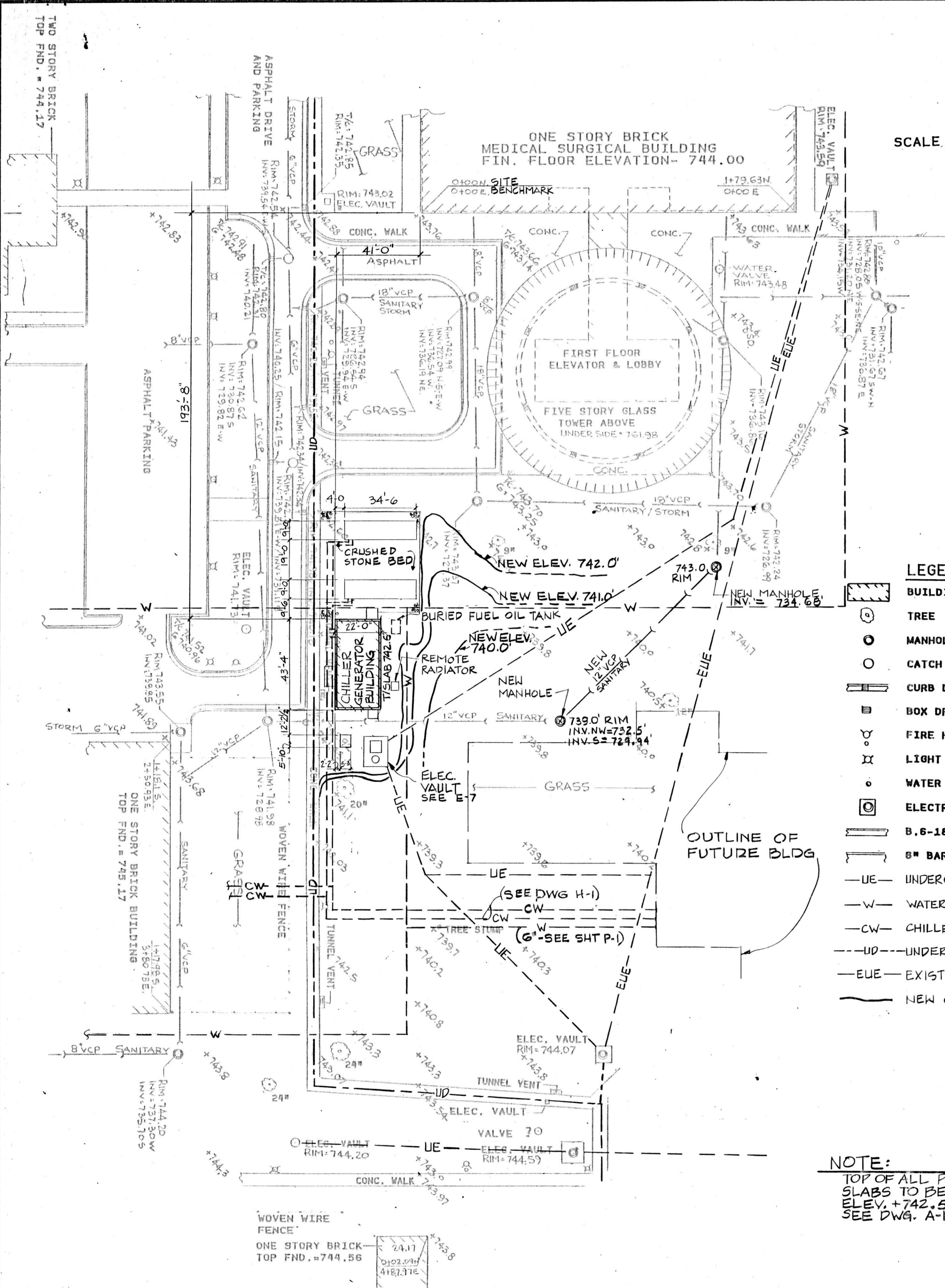
CDB 321-055-062  
PHASE B  
DATE: SEPTEMBER 1985  
SHEET 1 OF 1

ELGIN MENTAL HEALTH

RECORD DRAWINGS  
*Donald R. Michaelis*  
HOH ARCHITECTS  
9-9-85



SCALE = 1" = 30'



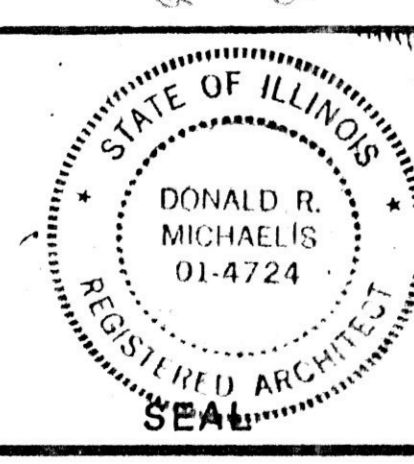
- LEGEND**
- BUILDING
  - TREE
  - MANHOLE
  - CATCH BASIN
  - CURB DRAIN
  - BOX DRAIN
  - FIRE HYDRANT WITH SHUT OFF
  - LIGHT POLE
  - WATER SERVICE SHUT OFF (SO.)
  - ELECTRIC VAULT
  - B.6-18 CURB & GUTTER
  - 
  - UE- UNDERGROUND ELECTRIC
  - W- WATER SERVICE
  - CW- CHILLED WATER SERVICE
  - UD- UNDERGROUND UTILITY DUCT
  - EUE- EXISTING UNDERGROUND ELECTRIC
  - NEW GRADE ELEVATION

**NOTE:**  
TOP OF ALL PADS & SLABS TO BE AT ELEV. +742.5' SEE DWG. A-1

THIS WORK INCORPORATED INTO PHASE 'A' Memphis

REVISIONS		
NO.	DATE	REMARKS

DRAWN	APP'D.
PBH	
TRACED	APP'D.
CHECKED	APP'D.
GEB	GEB



**HOH ARCHITECTS, INC.**  
180 North Webster Ave  
Chicago, Illinois 60601  
312/346-8131

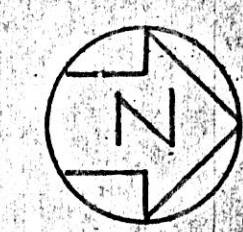
PROJECT NUMBER: 959

APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

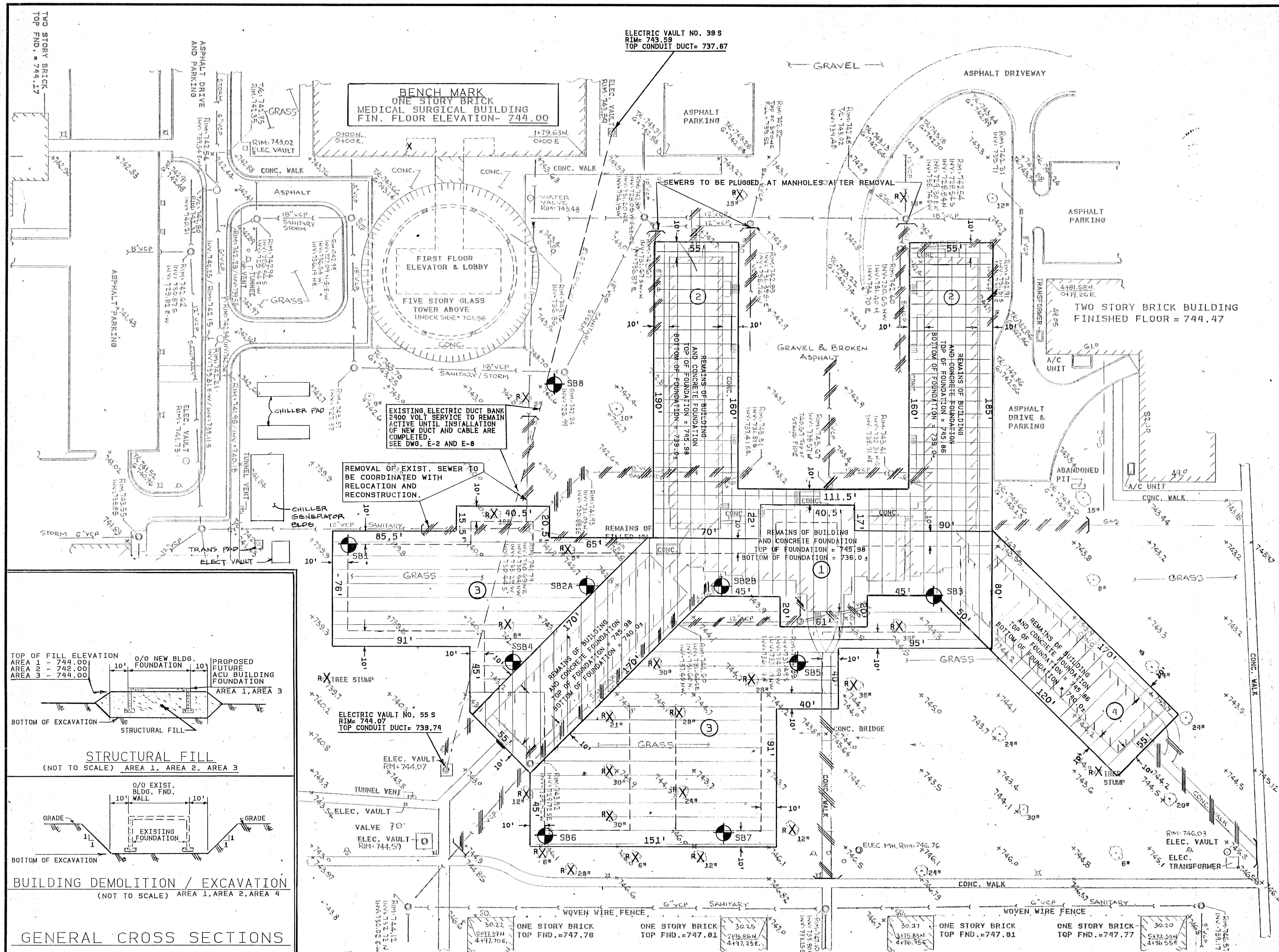
**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

SITE PLAN - CHILLER GENERATOR BUILDING  
SITE & UTILITIES WORK  
ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062  
PHASE B  
DATE: SEPTEMBER 10, 1984  
SHEET  
**C**  
OF 2 SHEETS



SCALE = 1" = 30'



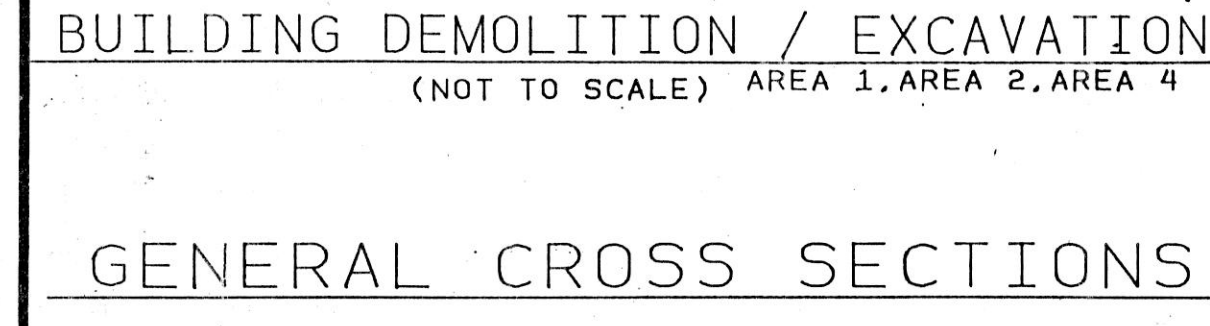
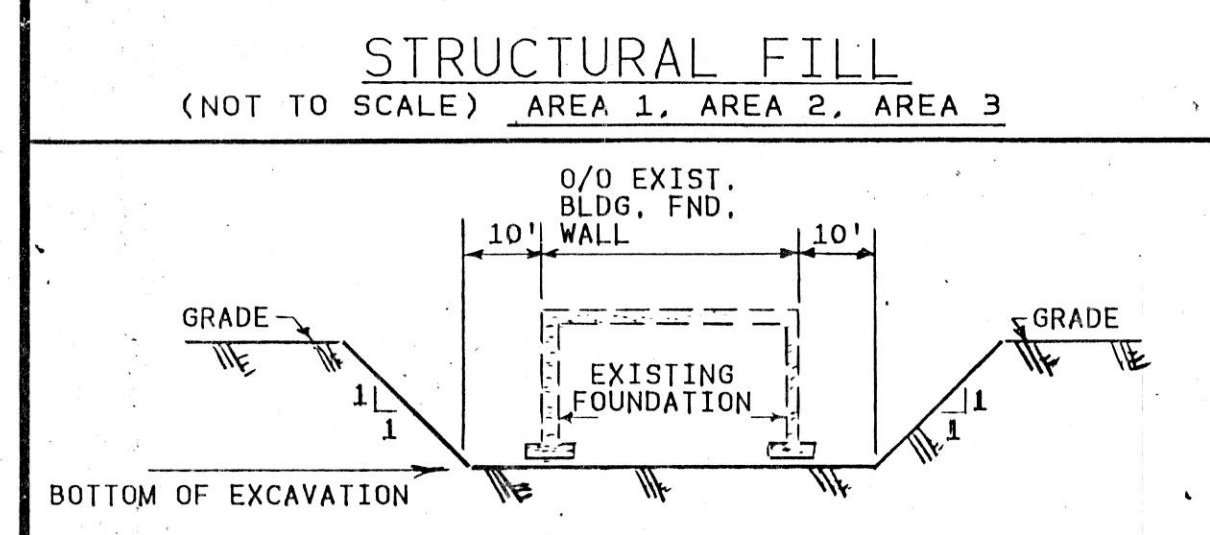
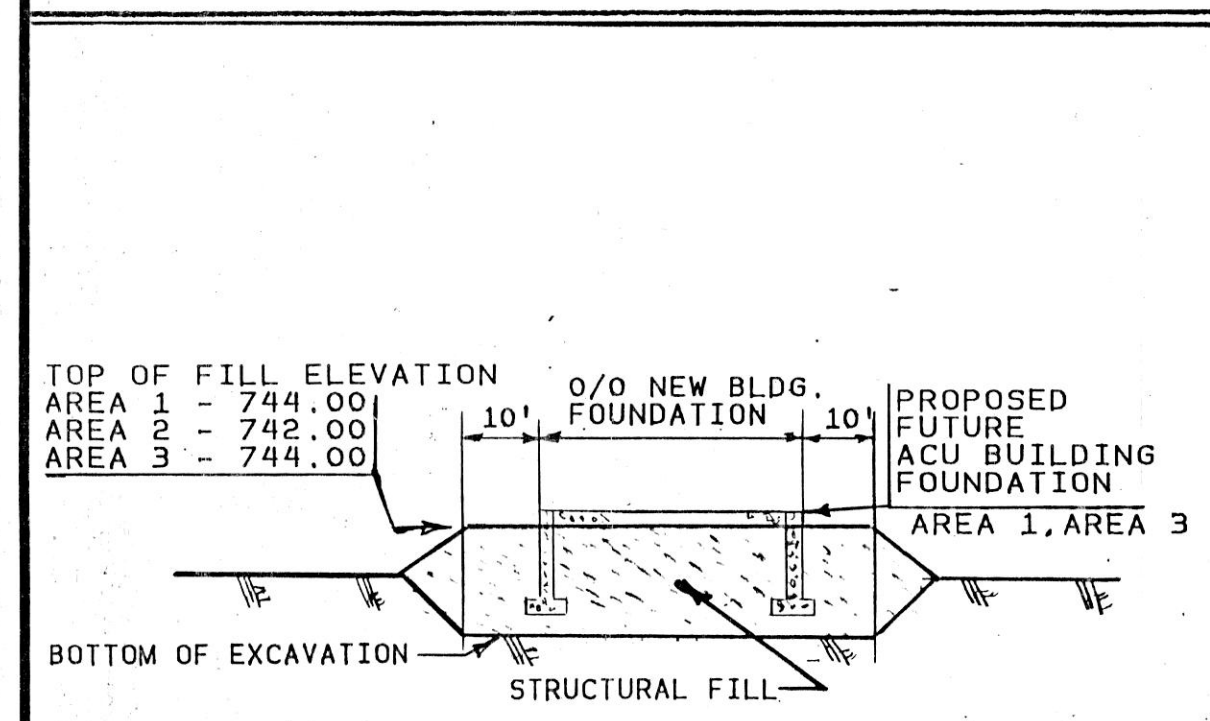
LEGEND

- BUILDING
- TREE
- MANHOLE
- CATCH BASIN
- CURB DRAIN
- BOX DRAIN
- FIRE HYDRANT WITH SHUT OFF
- LIGHT POLE
- WATER SERVICE SHUT OFF (30.)
- ELECTRIC VAULT
- 8.6-18 CURB & GUTTER
- 6" BARRIER CURB
- COMPLETE FOUNDATION DEMOLITION / EXCAVATION / STRUCTURAL FILL SEE PROJECT SPECIFICATIONS.
- PARTIAL DEPTH DEMOLITION / EXCAVATION / STRUCTURAL FILL SEE PROJECT SPECIFICATIONS.
- UNSUITABLE SOIL EXCAVATION / STRUCTURAL FILL SEE PROJECT SPECIFICATIONS.
- PARTIAL DEPTH DEMOLITION / EXCAVATION / NON-STRUCTURAL FILL SEE PROJECT SPECIFICATIONS.
- FUTURE ACUTE CARE UNIT (ACU)
- LIMITS OF WORK
- REMOVAL OF SEWER WITHIN LIMITS OF FUTURE ACU BUILDING / ABANDON OUTSIDE LIMITS
- REMOVAL OF CONCRETE WALK
- REMOVAL OF GAS LINE WITHIN LIMITS OF FUTURE ACU BUILDING / ABANDON OUTSIDE LIMITS
- REMOVAL OF TREE (BY USER)
- SOIL BORINGS

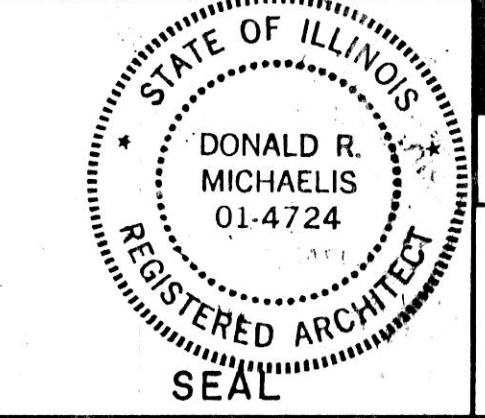
**NOTES**

- REFER TO PROJECT SPECIFICATIONS FOR SOIL BORING LOGS.
- CONTACT J.U.L.I.E. 1-800-892-1129 FOR UTILITY LOCATIONS PRIOR TO BEGINNING ANY EXCAVATION.

THIS WORK INCORPORATED INTO PHASE "A" DEMOLITION



REVISIONS			DRAWN	APP'D.
NO.	DATE	REMARKS	RS	APP'D.



**HOH ARCHITECTS, INC.**  
180 North Wabash Ave  
Chicago, Illinois 60601  
312/346-8131

PROJECT NUMBER **959**

APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

**DEMOLITION AND STRUCTURAL FILL PLAN**

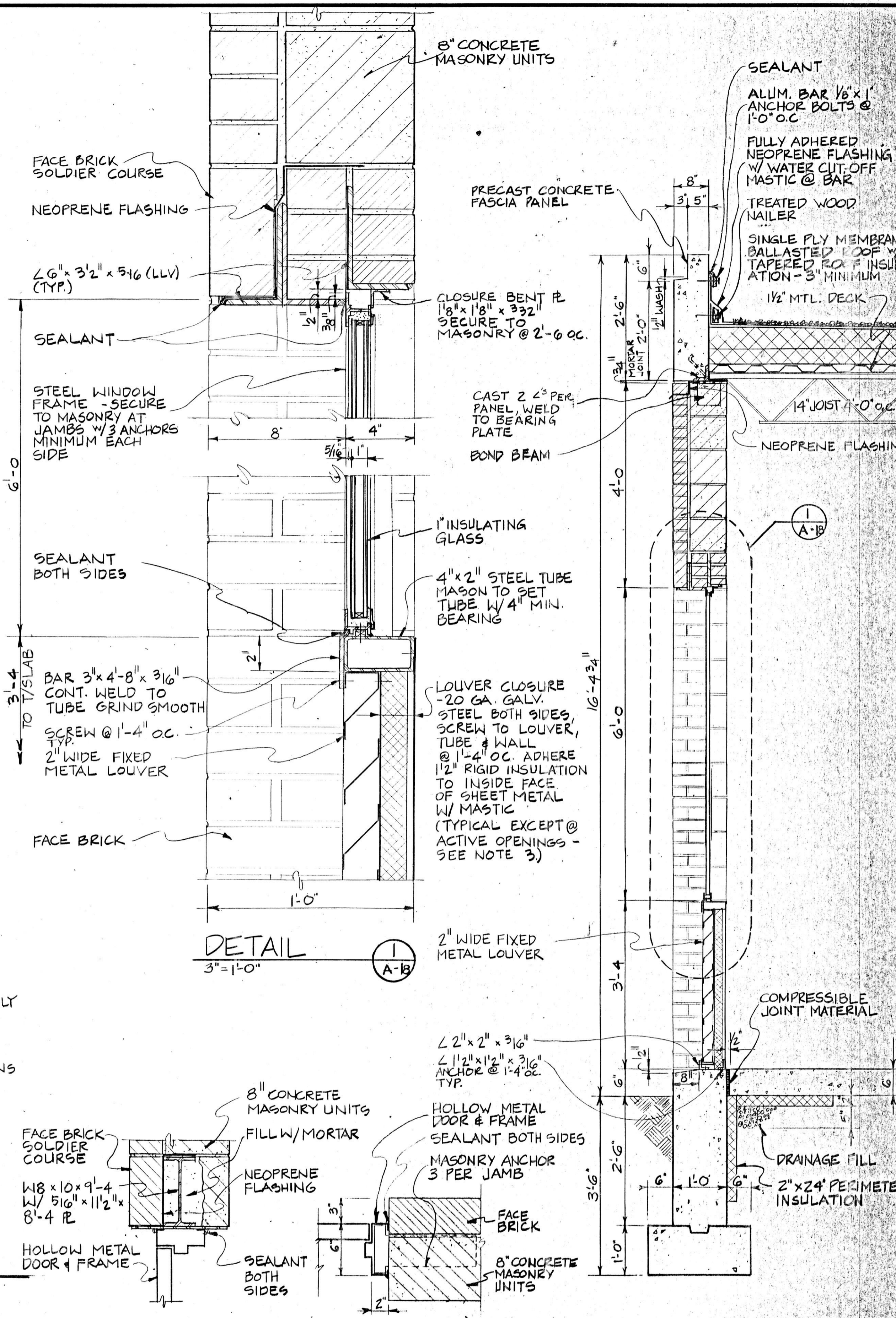
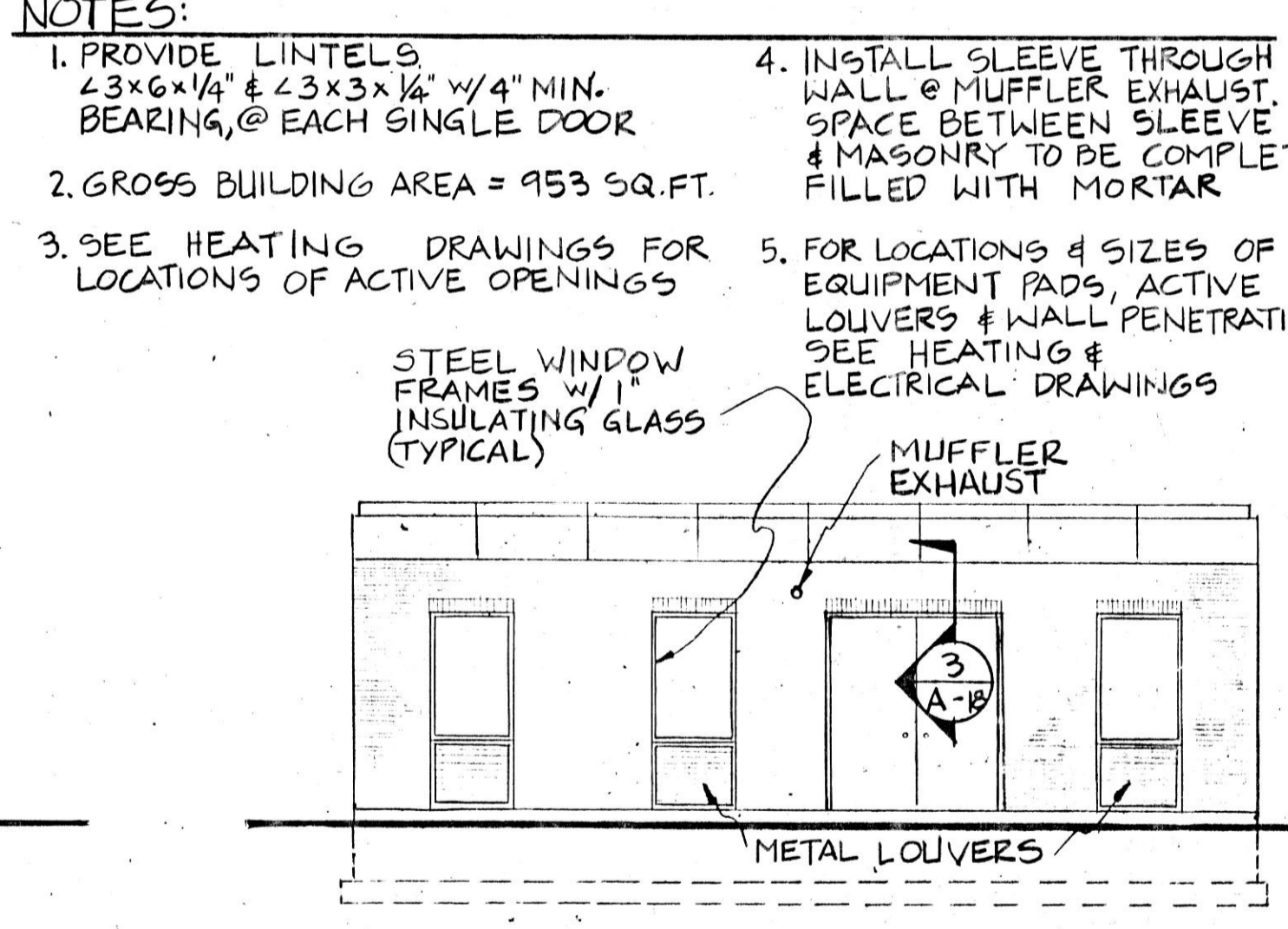
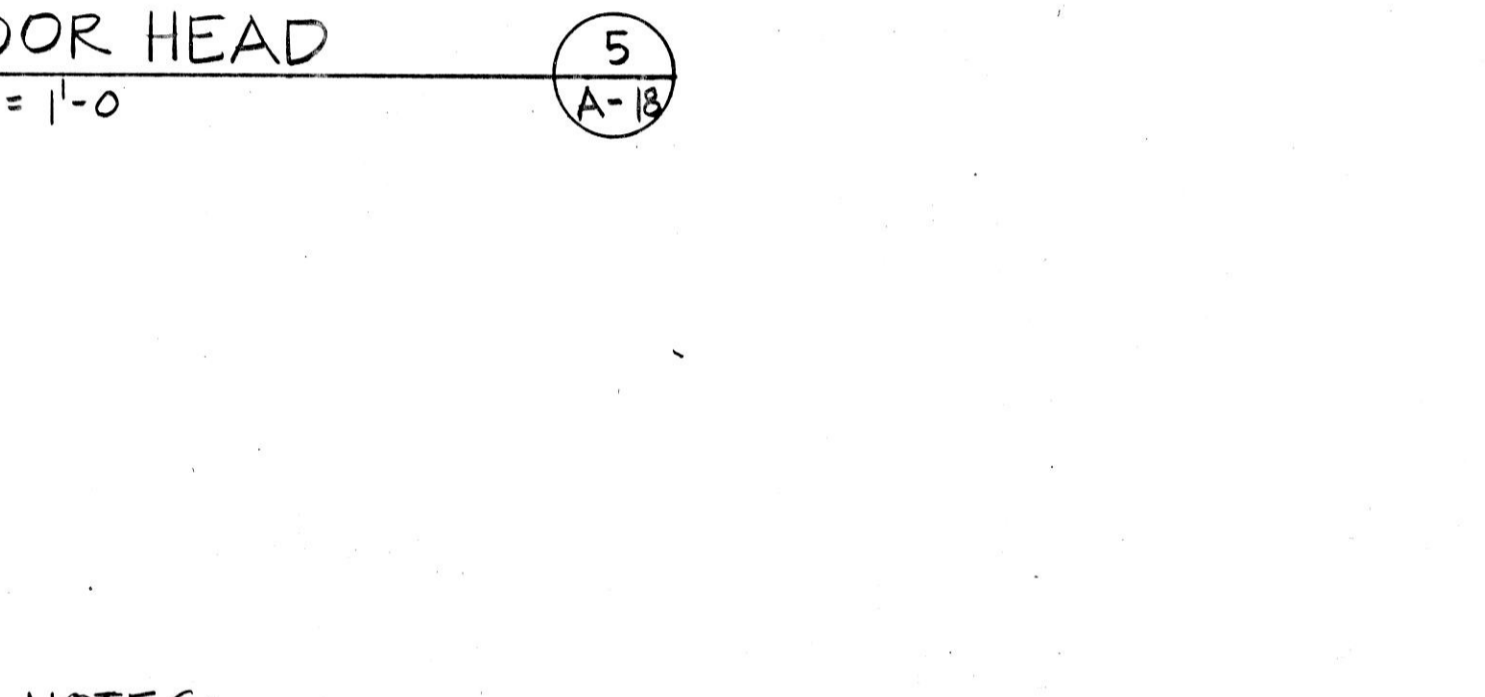
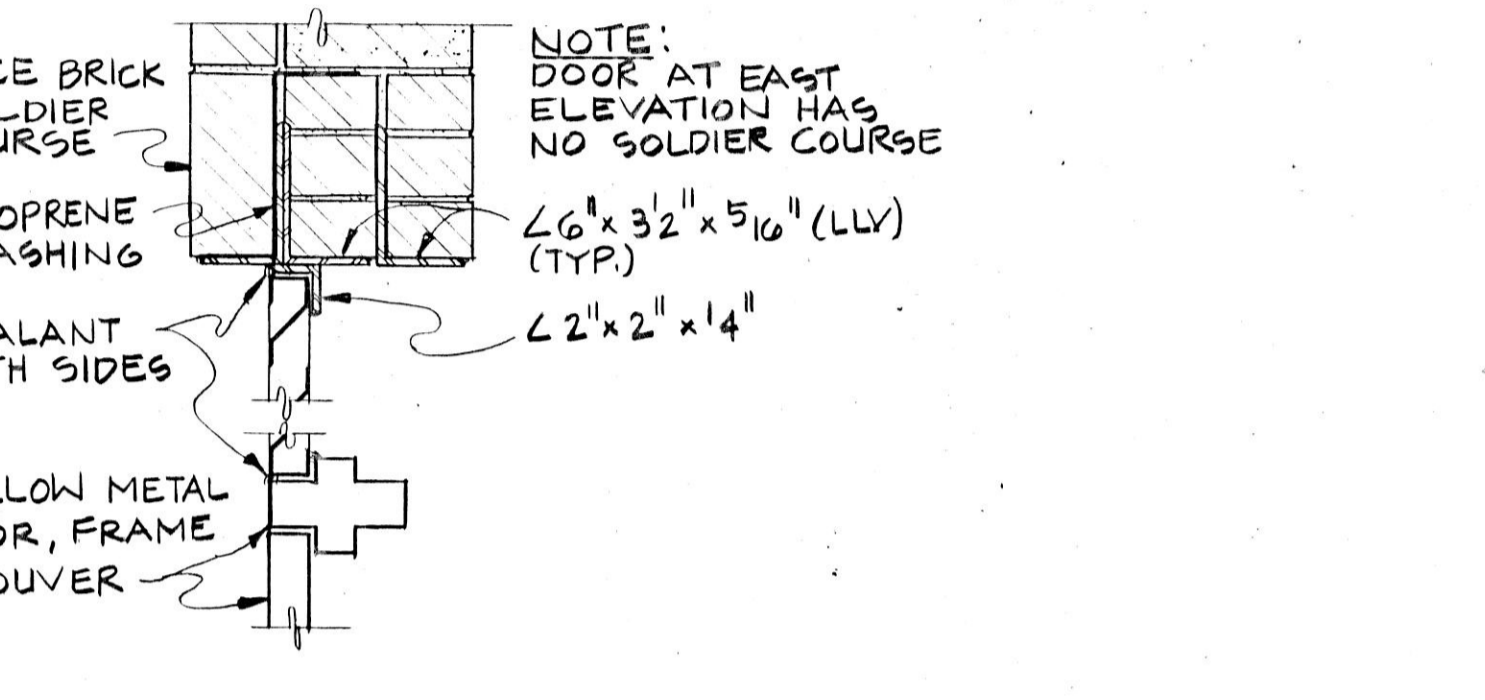
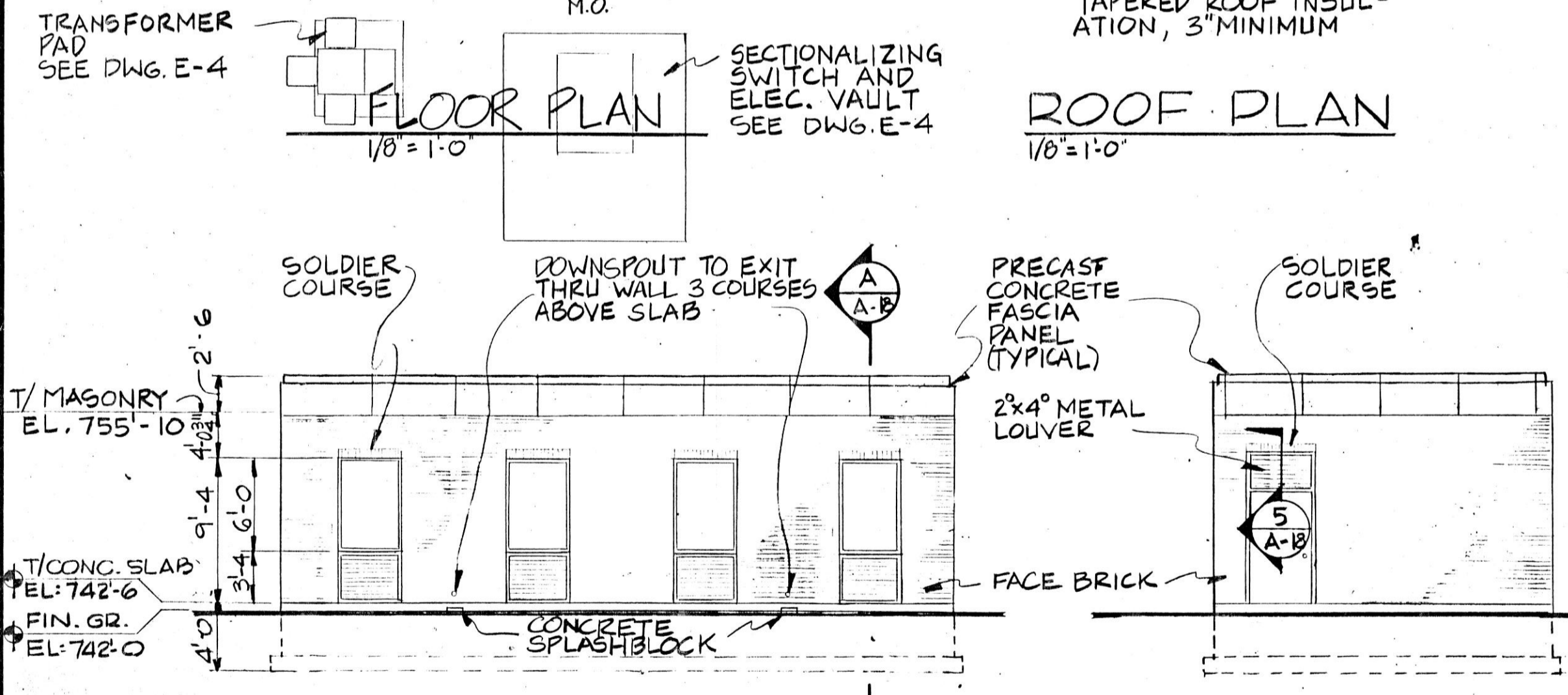
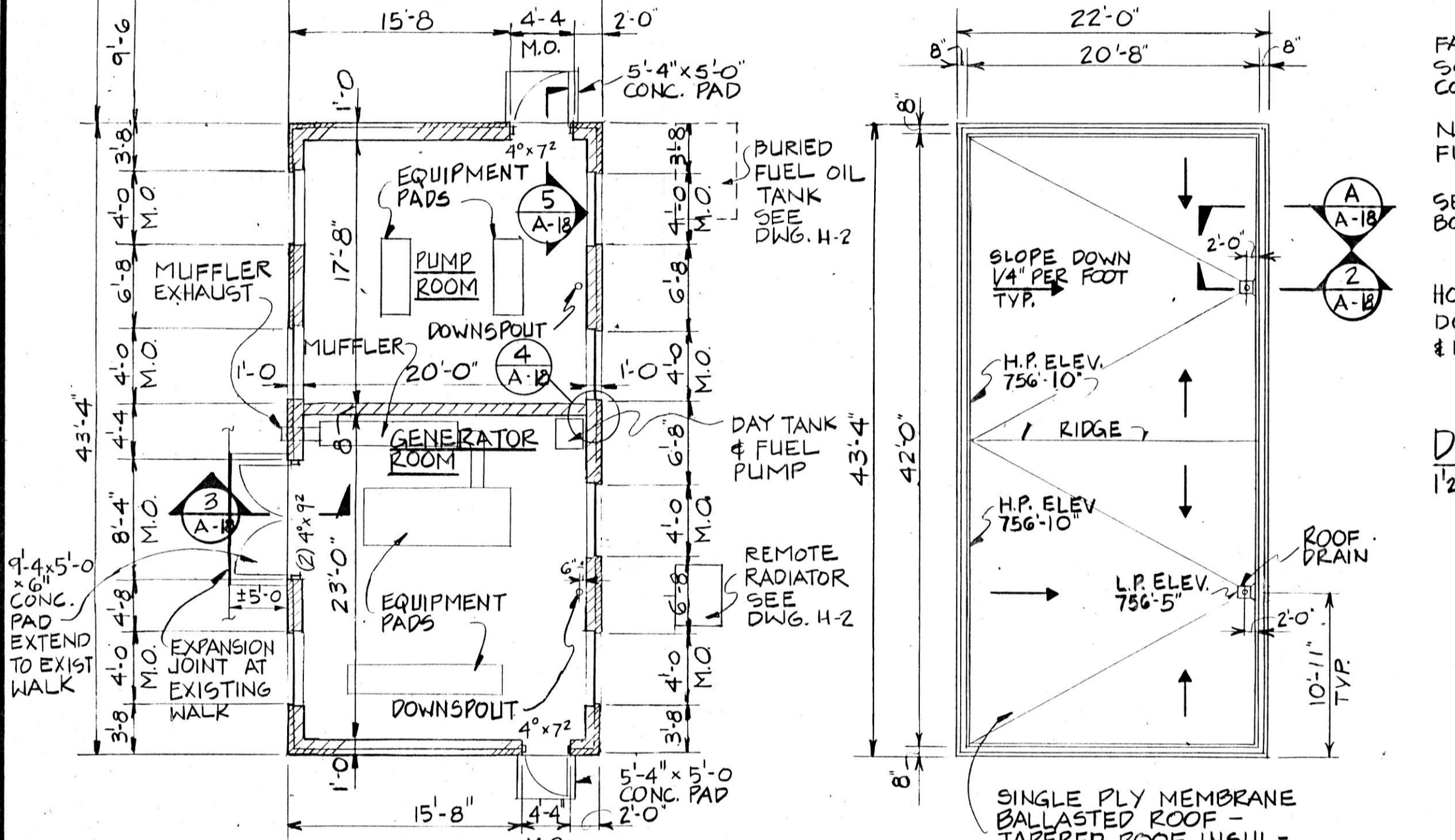
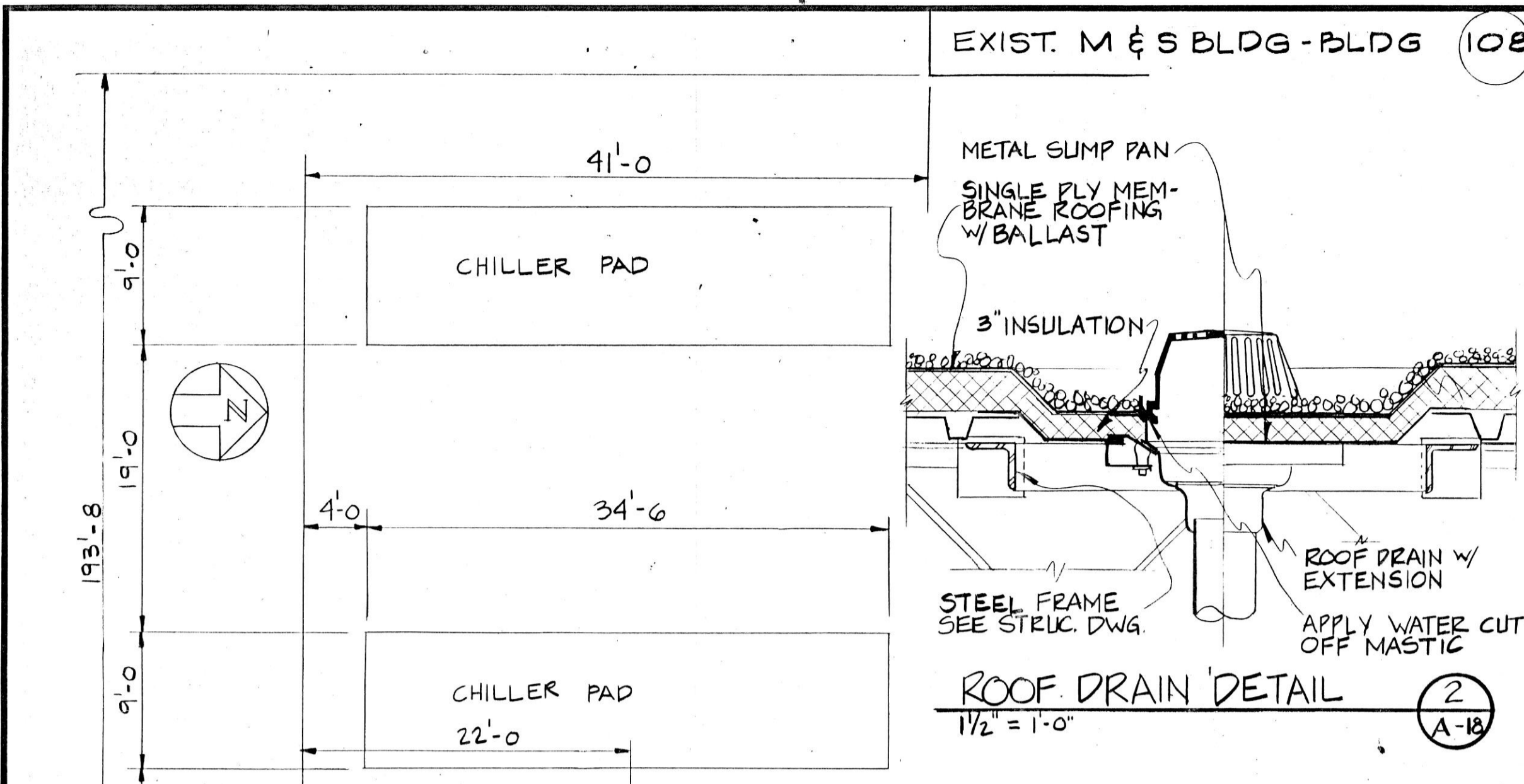
SITE & UTILITIES WORK

ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062  
PAGE B

DATE: SEPTEMBER 10, 1984

SHEET: **C-2**  
OF 2 SHEETS



- NOTES:
1. PROVIDE LINTELS 43x6x1/4" & 43x3x1/4" w/4" MIN. BEARING, @ EACH SINGLE DOOR
  2. GROSS BUILDING AREA = 953 SQ. FT.
  3. SEE HEATING DRAWINGS FOR LOCATIONS OF ACTIVE OPENINGS
  4. INSTALL SLEEVE THROUGH WALL @ MUFFLER EXHAUST. SPACE BETWEEN SLEEVE & MASONRY TO BE COMPLETELY FILLED WITH MORTAR
  5. FOR LOCATIONS & SIZES OF EQUIPMENT PADS, ACTIVE LOUVERS & WALL PENETRATIONS SEE HEATING & ELECTRICAL DRAWINGS

REVISIONS		
NO.	DATE	REMARKS

DRAWN P.B.H.  
TRACED  
CHECKED GEB

APP'D. APP'D. APP'D.  
GEB  
GEB  
GEB

**HOH ARCHITECTS, INC.**  
180 North Wabash Ave  
Chicago, Illinois 60601  
312/346-8131

PROJECT NUMBER **959**

APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

CHILLER/GENERATOR BUILDING  
PLANS, ELEVATIONS AND DETAILS

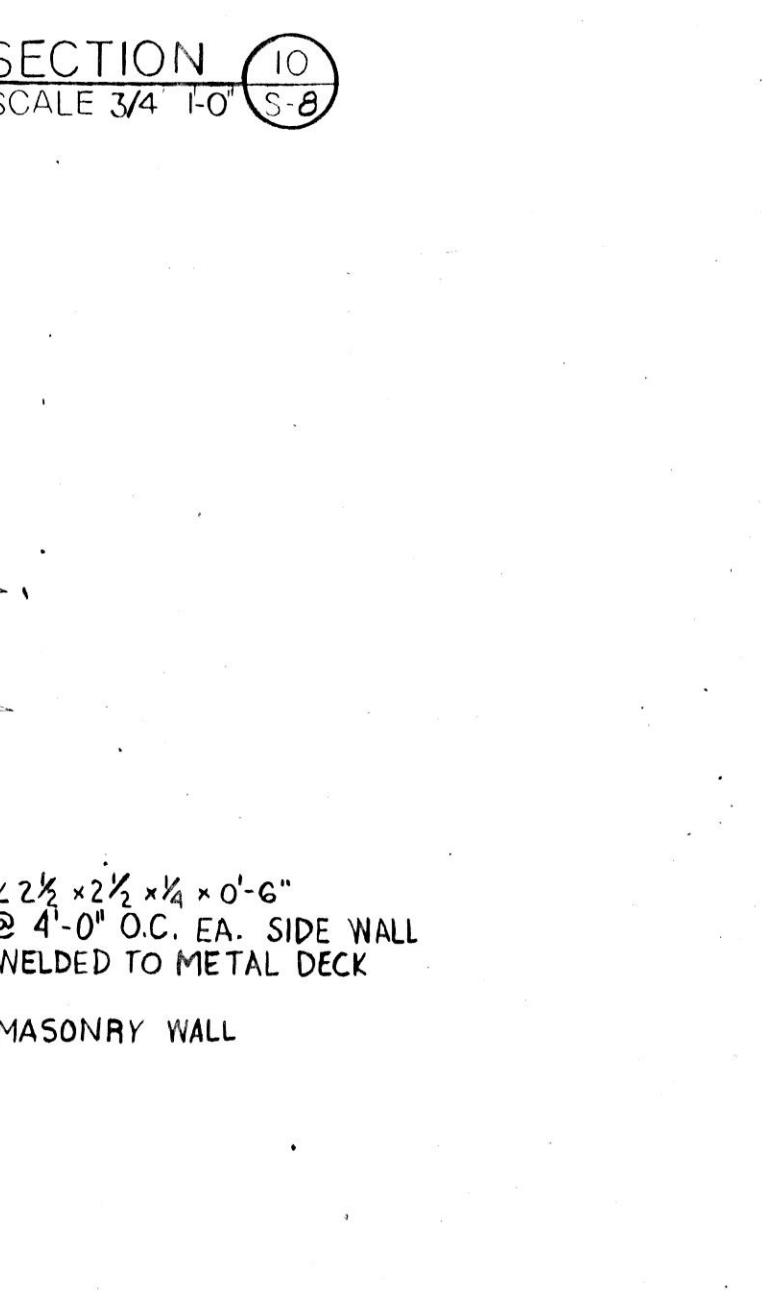
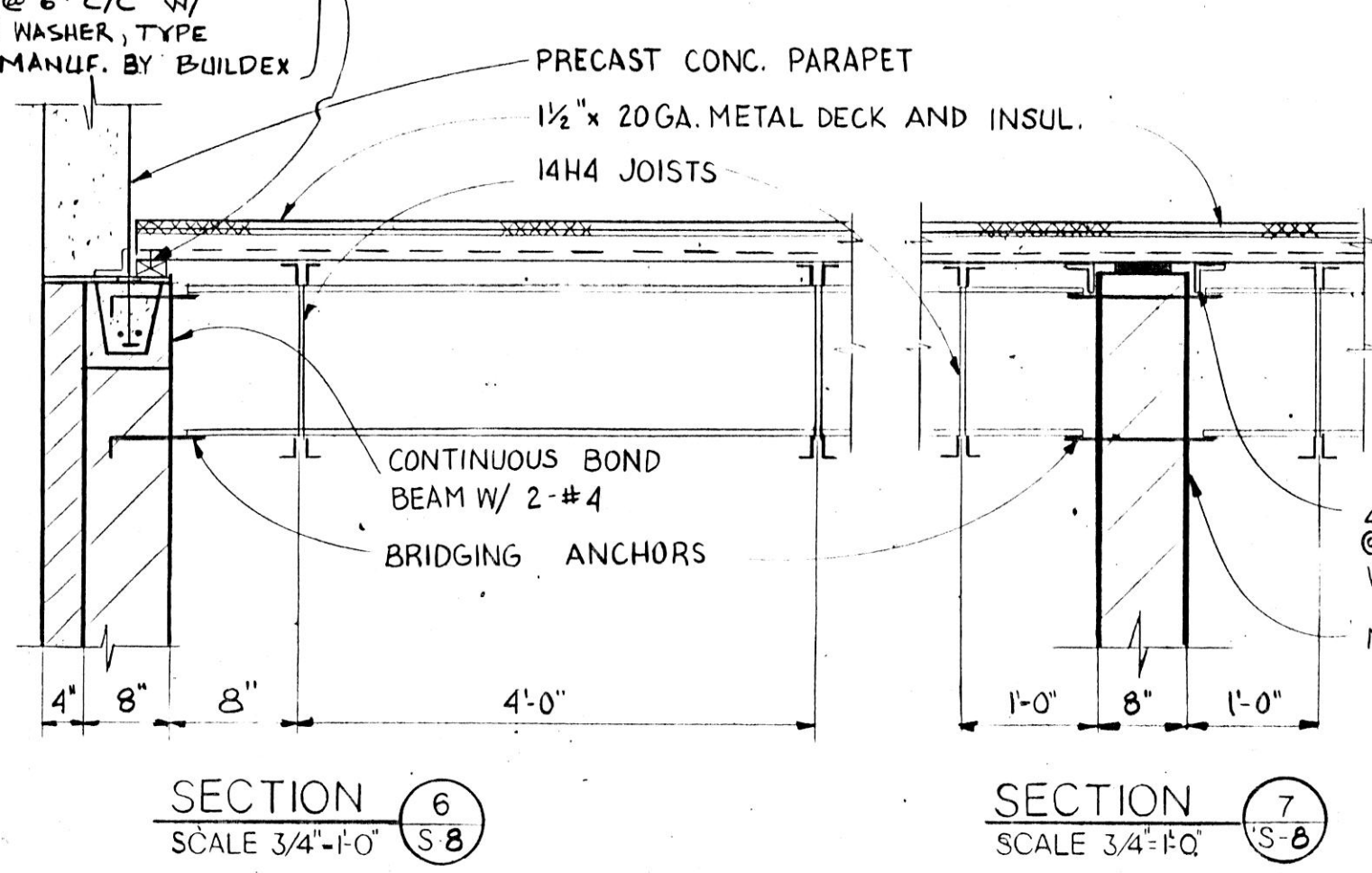
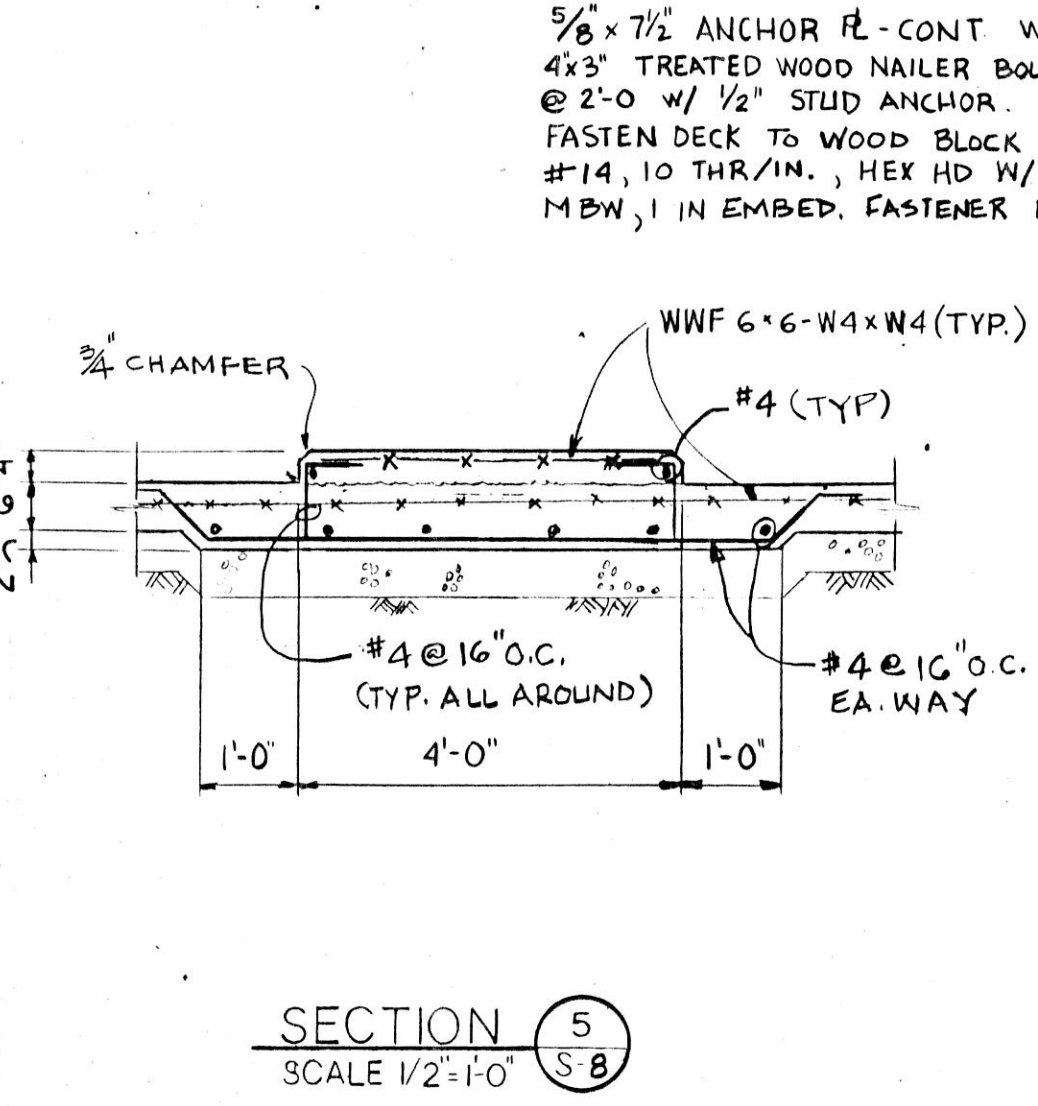
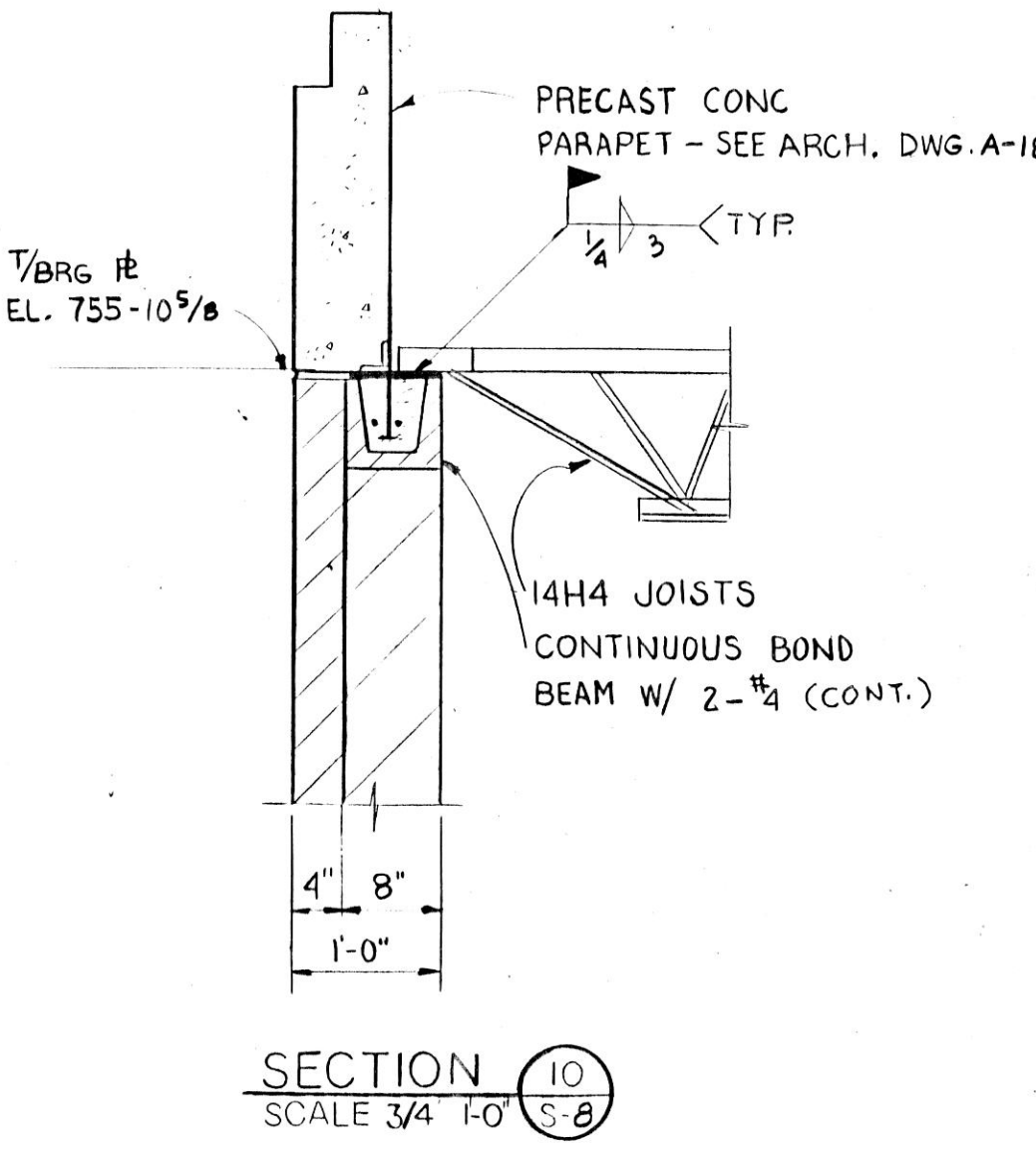
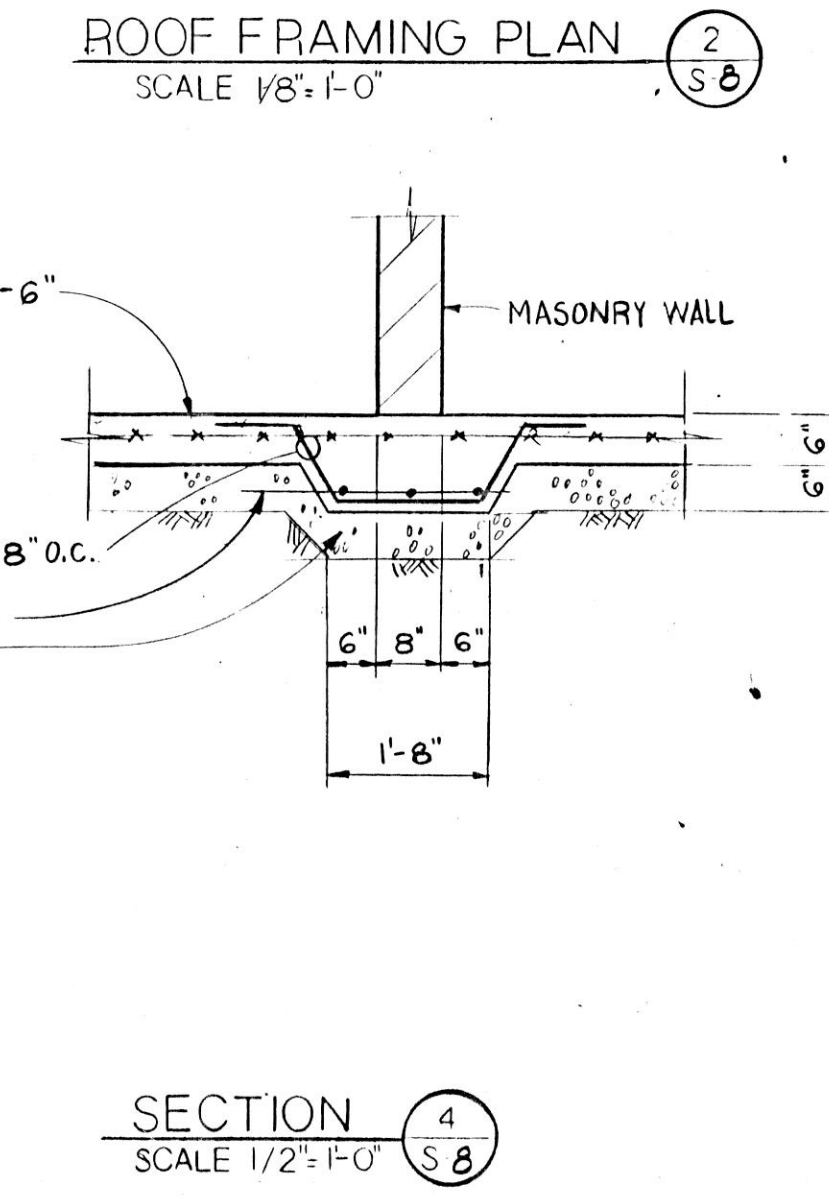
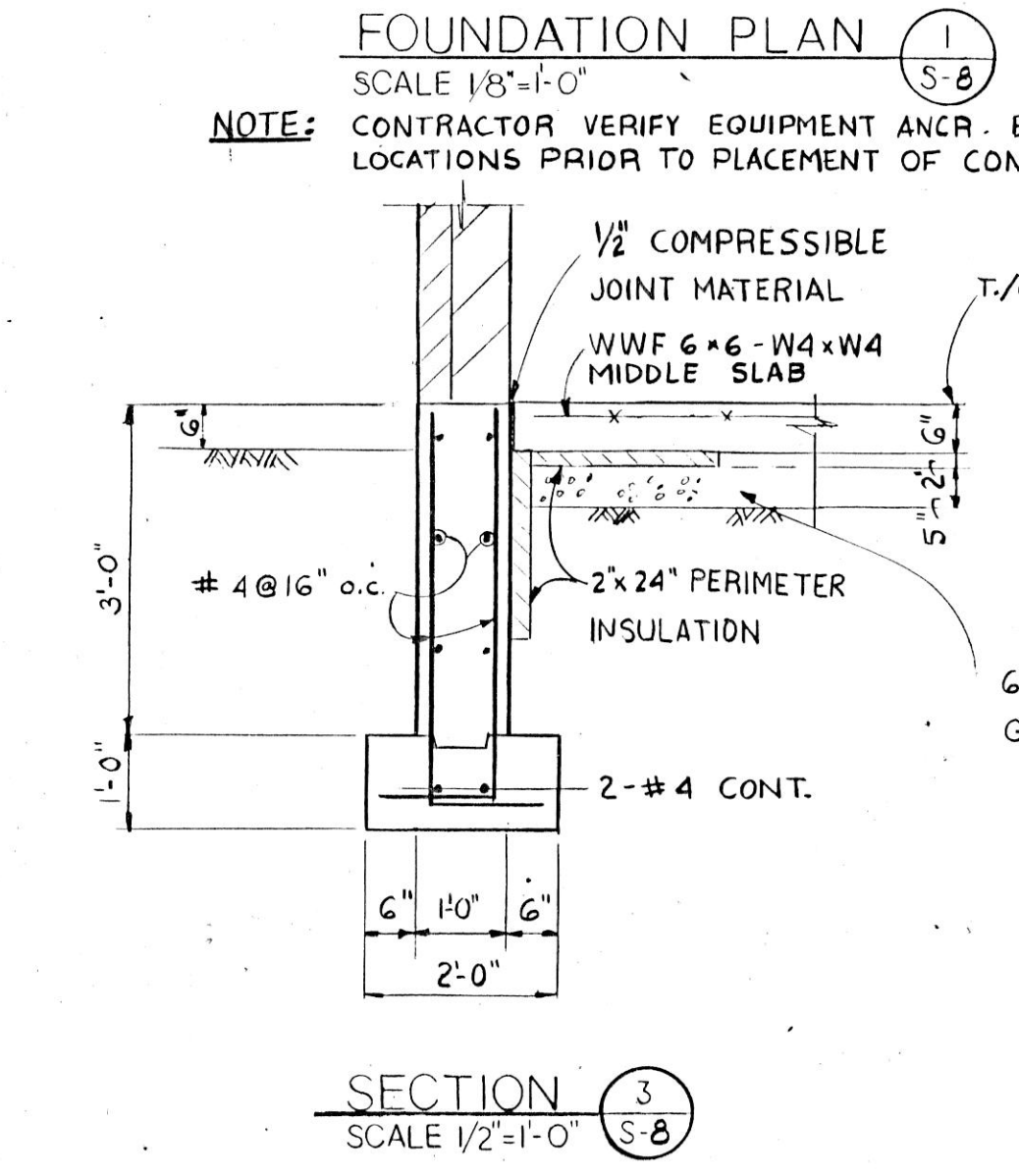
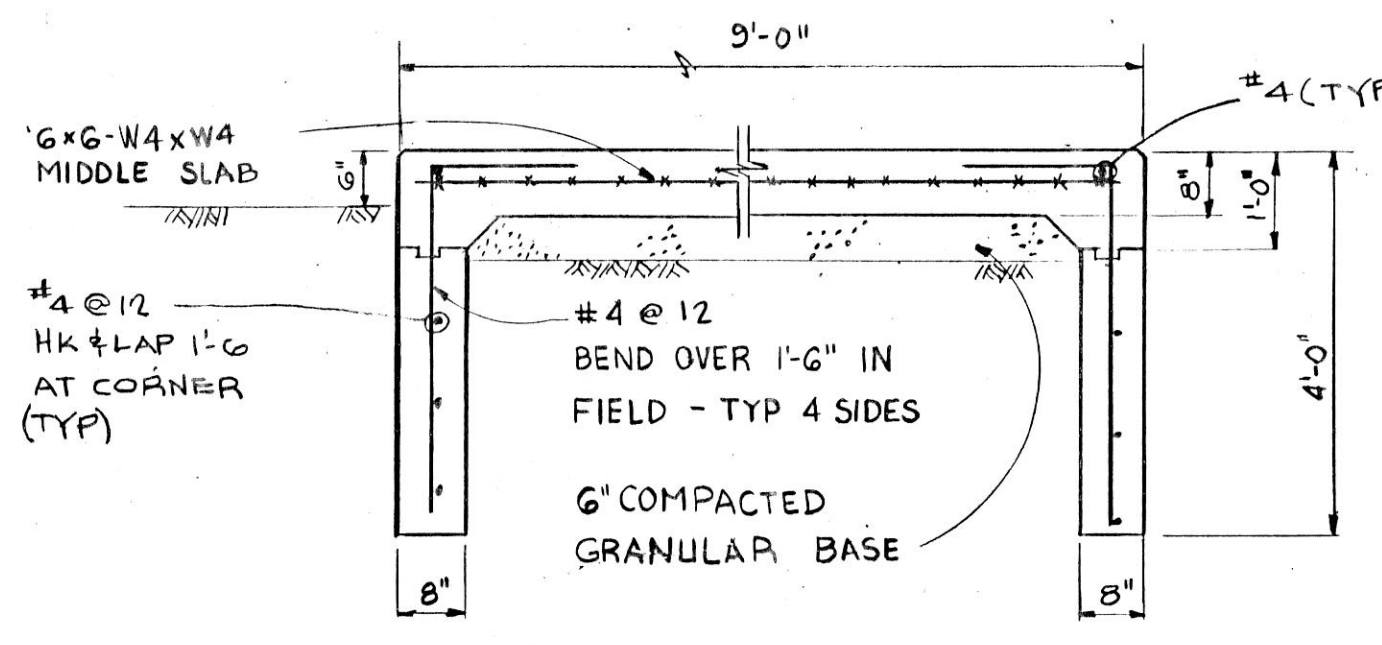
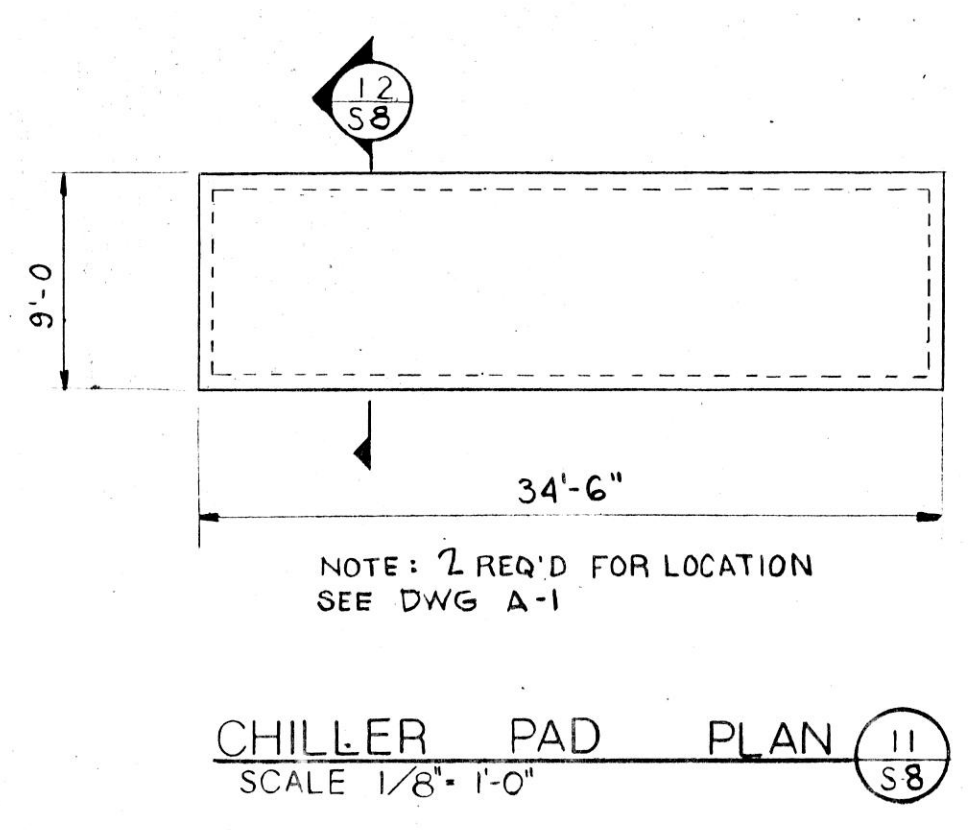
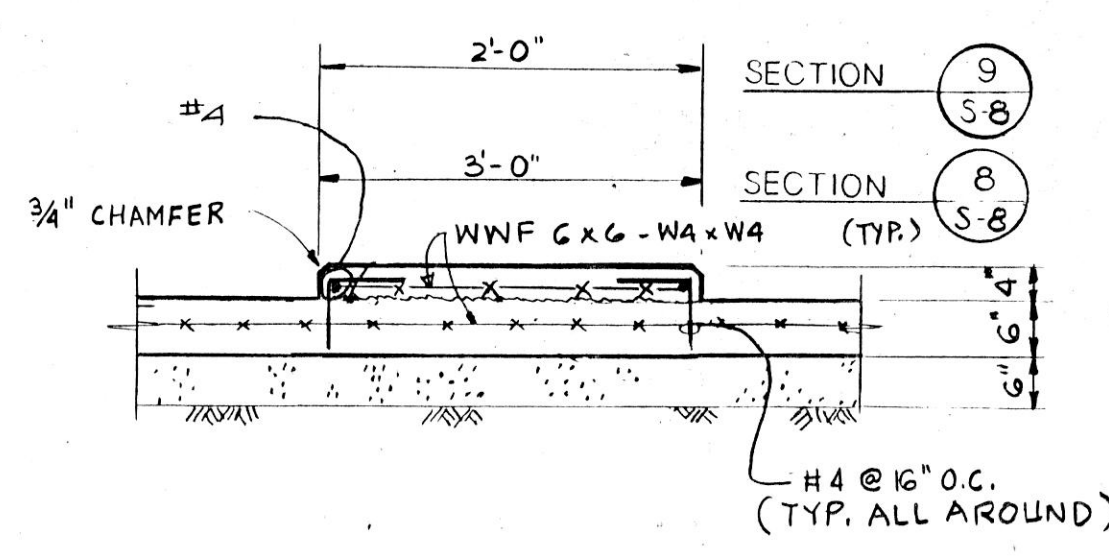
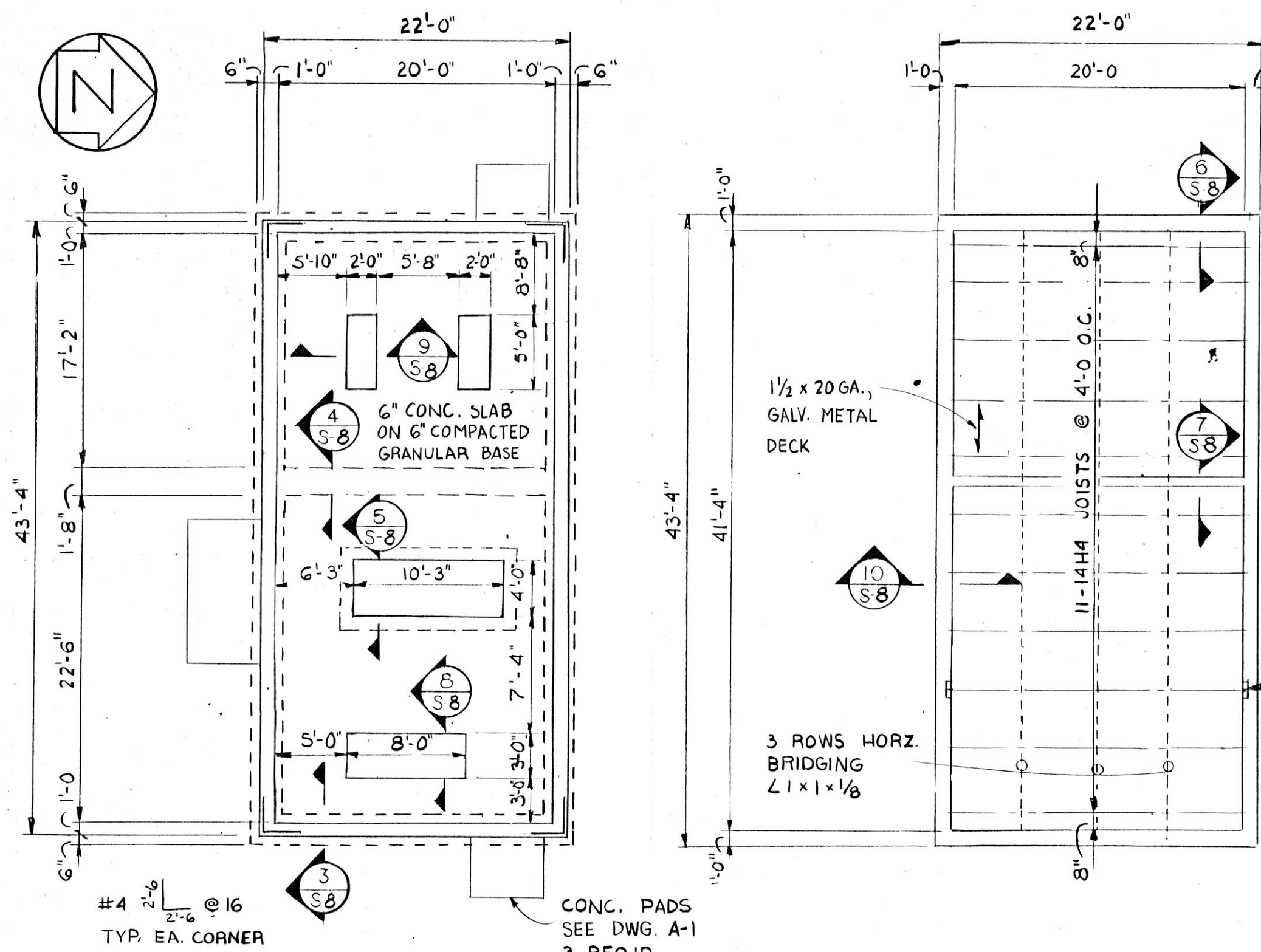
SITE & UTILITIES WORK

ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062  
PHASE B

DATE SEPTEMBER 10, 1984

SHEET **A-1**  
OF 1 SHEET



**GENERAL STRUCTURAL NOTES**

**DESIGN LOADS:**

SLAB ON GRADE LIVE LOAD	200 PSF
ROOF DEAD LOAD	30 PSF
ROOF LIVE LOAD	30 PSF
SEISMIC LOAD	ZONE 1
LATERAL LOAD (WIND 0'-25')	16 PSF

**DESIGN CRITERIA:**

CONCRETE STRENGTH	4000 PSI @ 28 DAYS
REINFORCING STEEL	ASTM-A615
WELDED WIRE FABRIC	ASTM-A185
STRUCTURAL STEEL	ASTM-A36
ALLOWABLE NET DESIGN SOIL BEARING PRESSURE	3000 PSF

THIS WORK INCORPORATED INTO PHASE "A"  
DREN/HOH

REVISIONS		
NO.	DATE	REMARKS

DRAWN	JWS	APP'D.	
TRACED		APP'D.	
CHECKED	G.R.	APP'D.	

**HOH ARCHITECTS, INC.**  
180 North Wabash Ave  
Chicago, Illinois 60601  
312/348-8131

PROJECT NUMBER: **959**

APPROVED: *Donald R. Michaelis*

DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

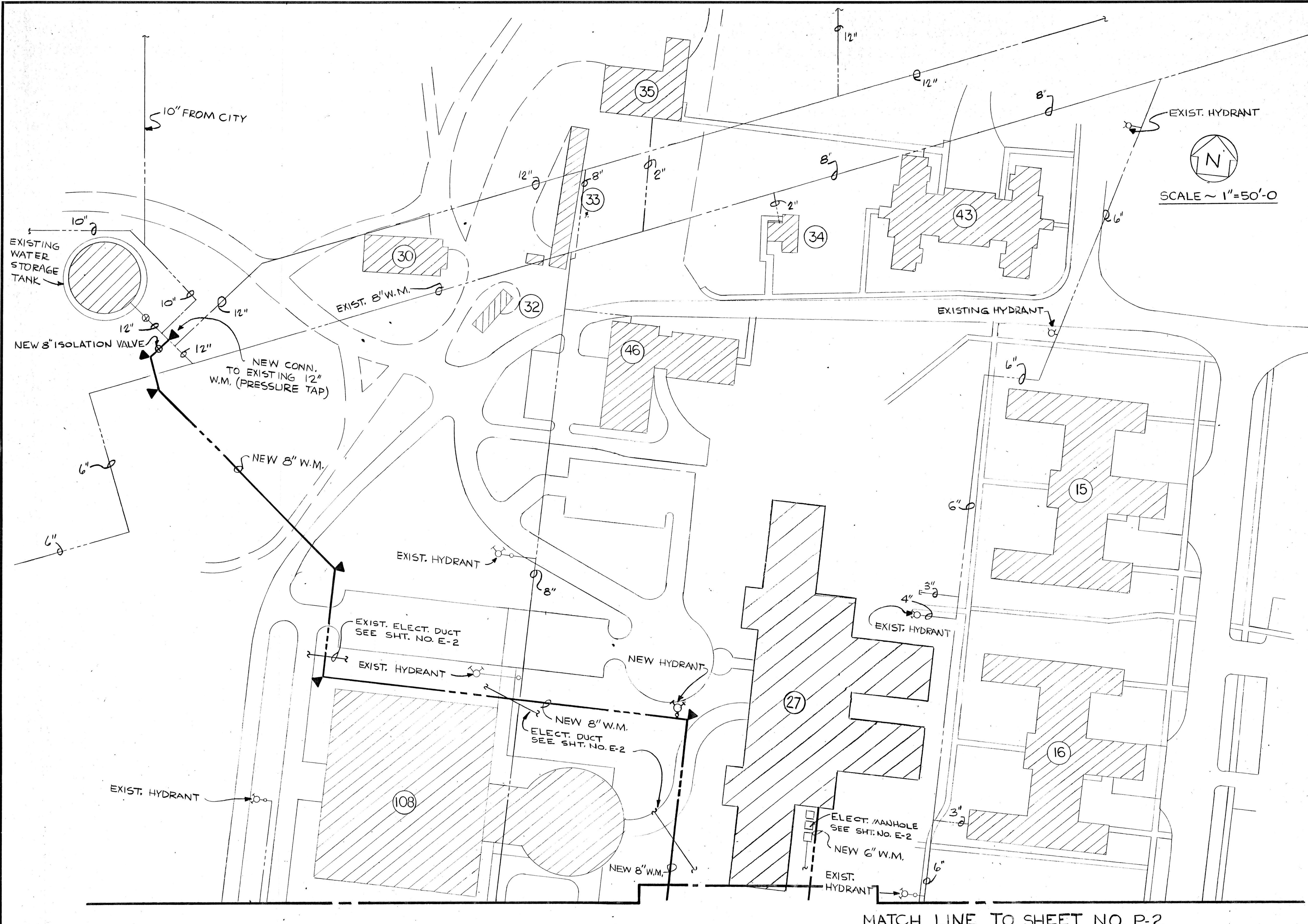
**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

STRUCTURAL PLANS AND DETAILS

SITE & UTILITIES WORK

ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062
PHASE B
DATE
SEPTEMBER 10, 1984
SHEET
<b>S-1</b>
OF 1 SHEETS



EXIST. HYDRANT  
 N  
 SCALE ~ 1"=50'-0"

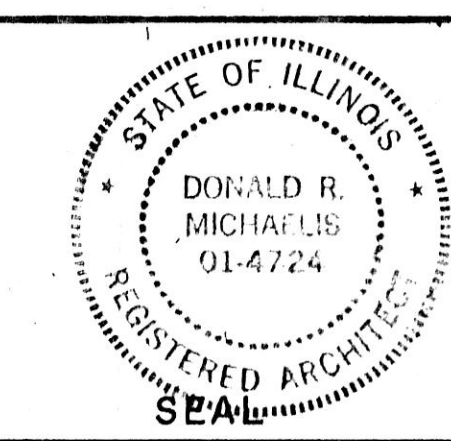
- NOTES:**
1. SEE SHEET NO. P-2 FOR SOUTH SECTION.
  2. SEE SHEET NO. P-3 FOR HYDRANT DETAIL & THRUST BLOCKS.
  3. WATER MAIN BUILDING ENTRANCE LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS SHALL BE ESTABLISHED IN THE FIELD BY THIS CONTRACTOR.

- LEGEND**
- ⊕ FIRE HYDRANT W/SHUT-OFF VA.
  - NEW UNDERGROUND WATER MAIN
  - - - EXIST. UNDERGROUND WATER MAIN
  - W.M. WATER MAIN
  - ▲ CONCRETE THRUST BLOCKS
  - ⊖ ISOLATION/CURB VALVE

MATCH LINE TO SHEET NO. P-2

REVISIONS		
NO.	DATE	REMARKS

DRAWN D.L. WILSON	APP'D.
TRACED	APP'D.
CHECKED FEK	APP'D. RDW



**HOH ARCHITECTS, INC.**  
 180 North Wabash Ave.  
 Chicago, Illinois 60601  
 312/346-8131

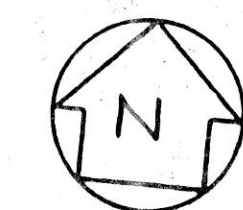
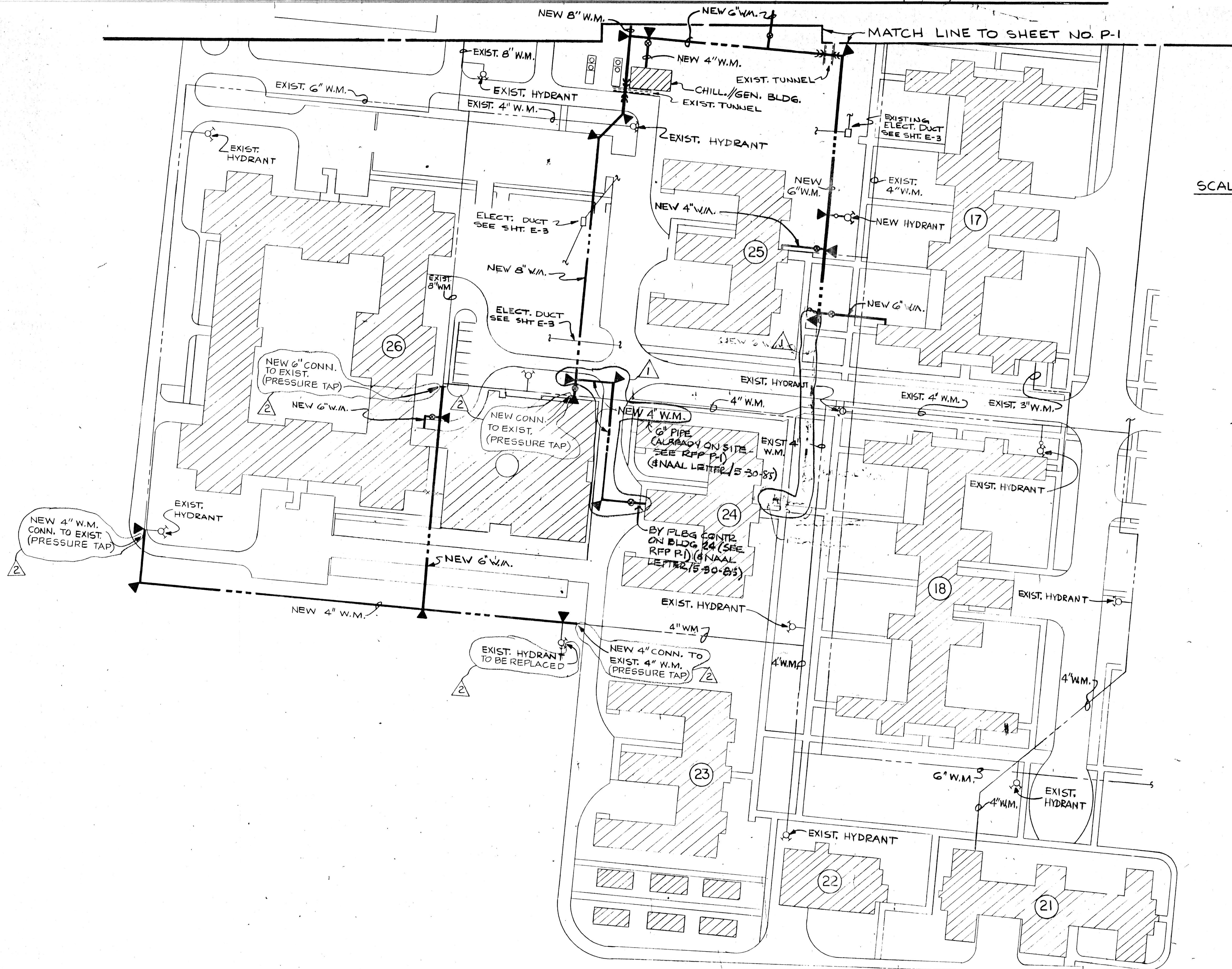
PROJECT NUMBER: **959**

APPROVED: *Donald R. Michaelis*  
 DONALD R. MICHAELIS  
 REGISTERED ARCHITECT, ILLINOIS NO. 01-4724

**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

SITE PLAN - NORTH - WATER MAIN  
 SITE & UTILITIES WORK  
 ELGIN MENTAL HEALTH CENTER  
 KANE COUNTY - ELGIN, ILLINOIS

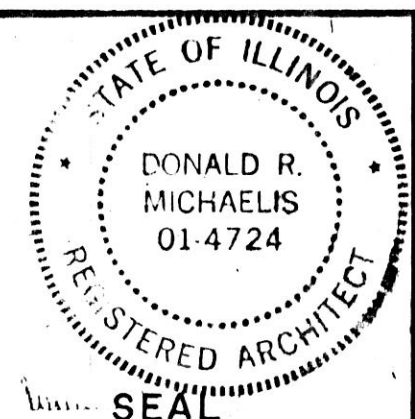
GDB 321 055 062  
 PHASE B  
 DATE: SEPTEMBER 16, 1984  
 SHEET: **P-1**  
 OF 3 SHEETS



SCALE ~ 1" = 50'-0"

**NOTE:**  
 1. SEE SHEET NO. P-1 FOR NOTES AND LEGEND.

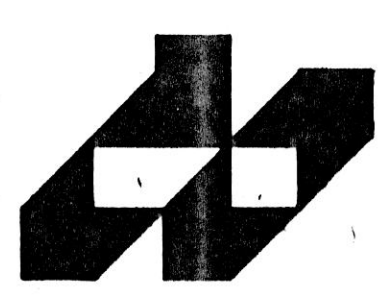
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NO.	DATE	REMARKS	D.L. WILSON	
1	4-12-85	RFP-P-1	TRACED	APP'D.
2	5-6-85	RFP-P-2	CHECKED FEK	APP'D. RDW



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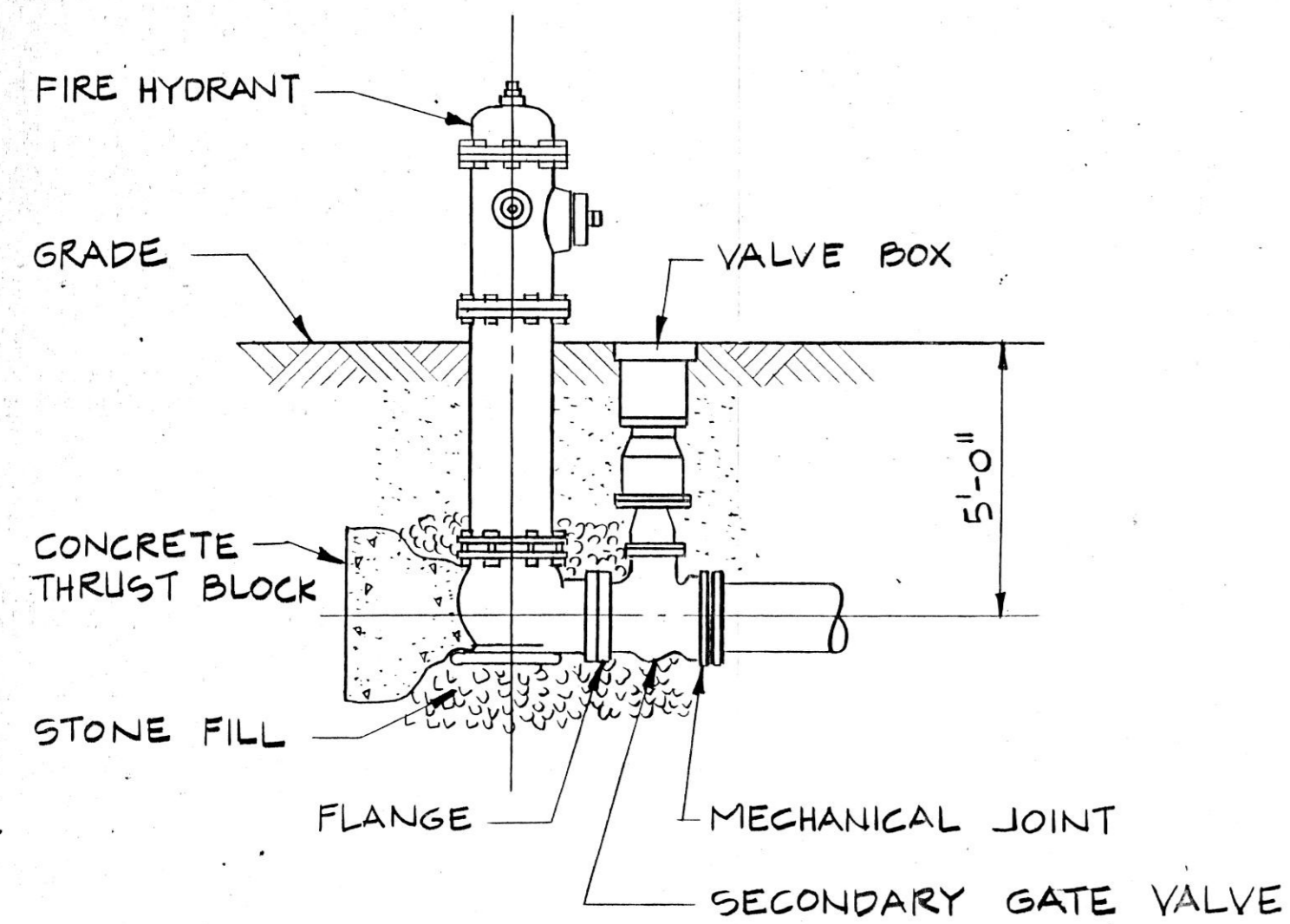
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 REGISTERED ARCHITECT, ILLINOIS NO. 014724



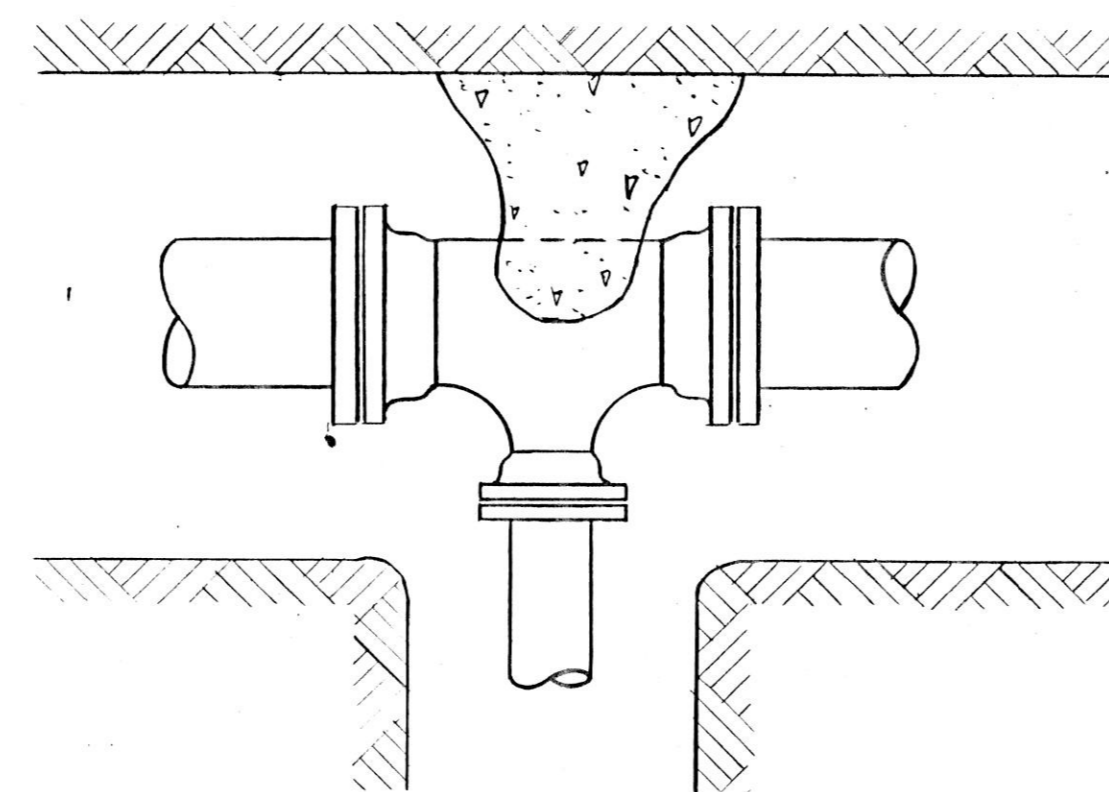
**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

**SITE PLAN - SOUTH - WATER MAIN**  
**SITE & UTILITIES WORK**  
 ELGIN MENTAL HEALTH CENTER  
 KANE COUNTY - ELGIN, ILLINOIS

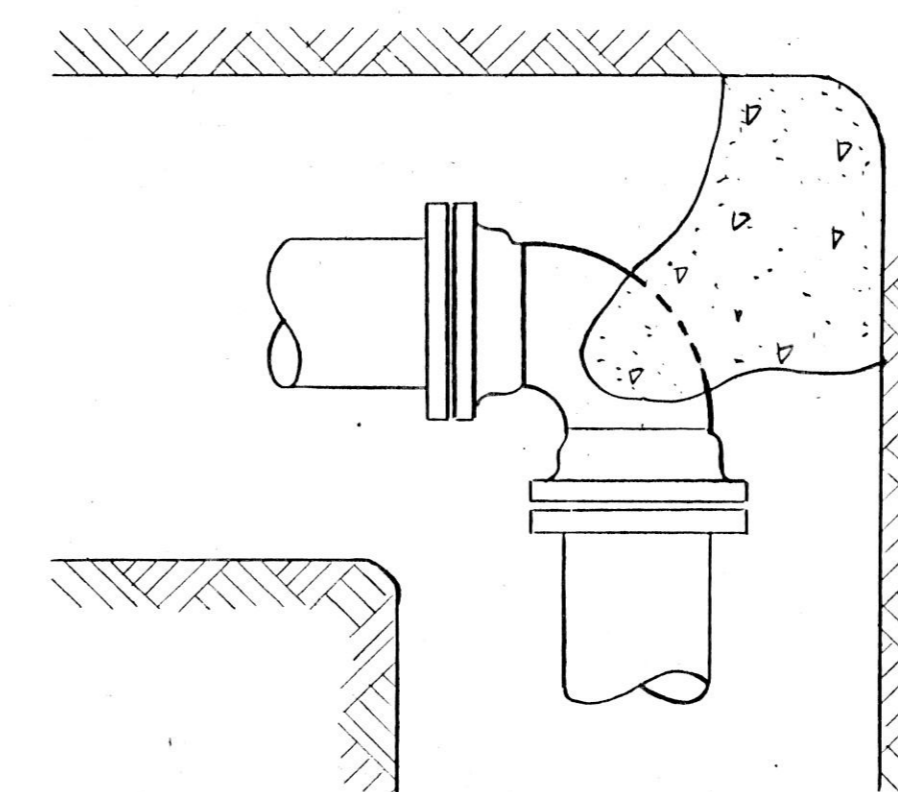
CDB 321-065-062  
 PHASE "B"  
 DATE  
 SEPTEMBER 1, 1984  
 SHEET  
**P-2**  
 OF 3 SHEETS



TYPICAL FIRE HYDRANT DETAIL  
NO SCALE

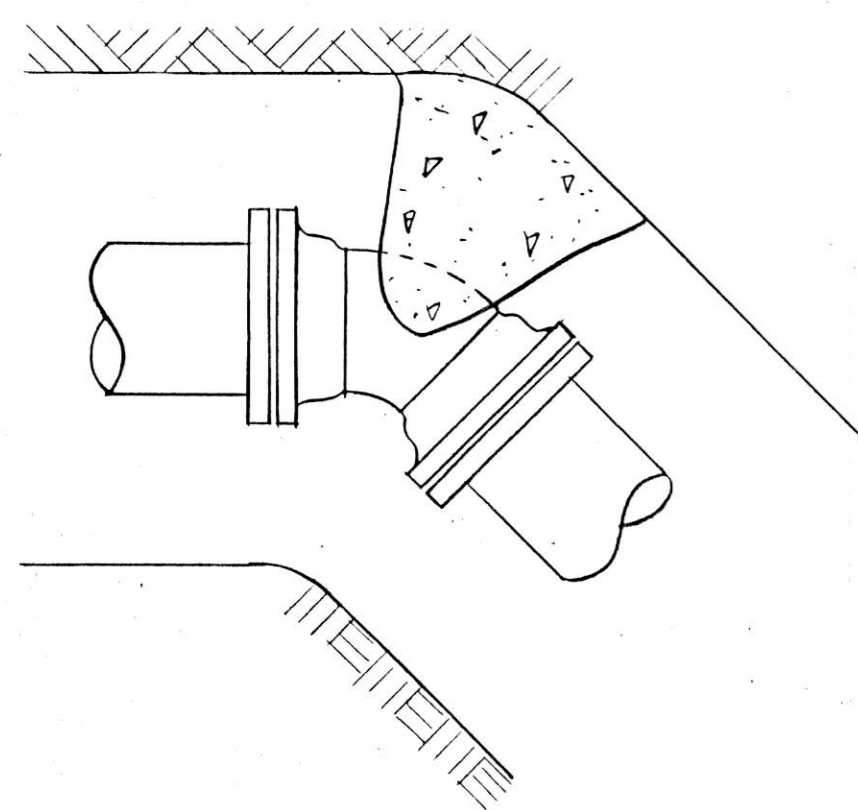


THRUST BLOCK AT TEE  
NO SCALE

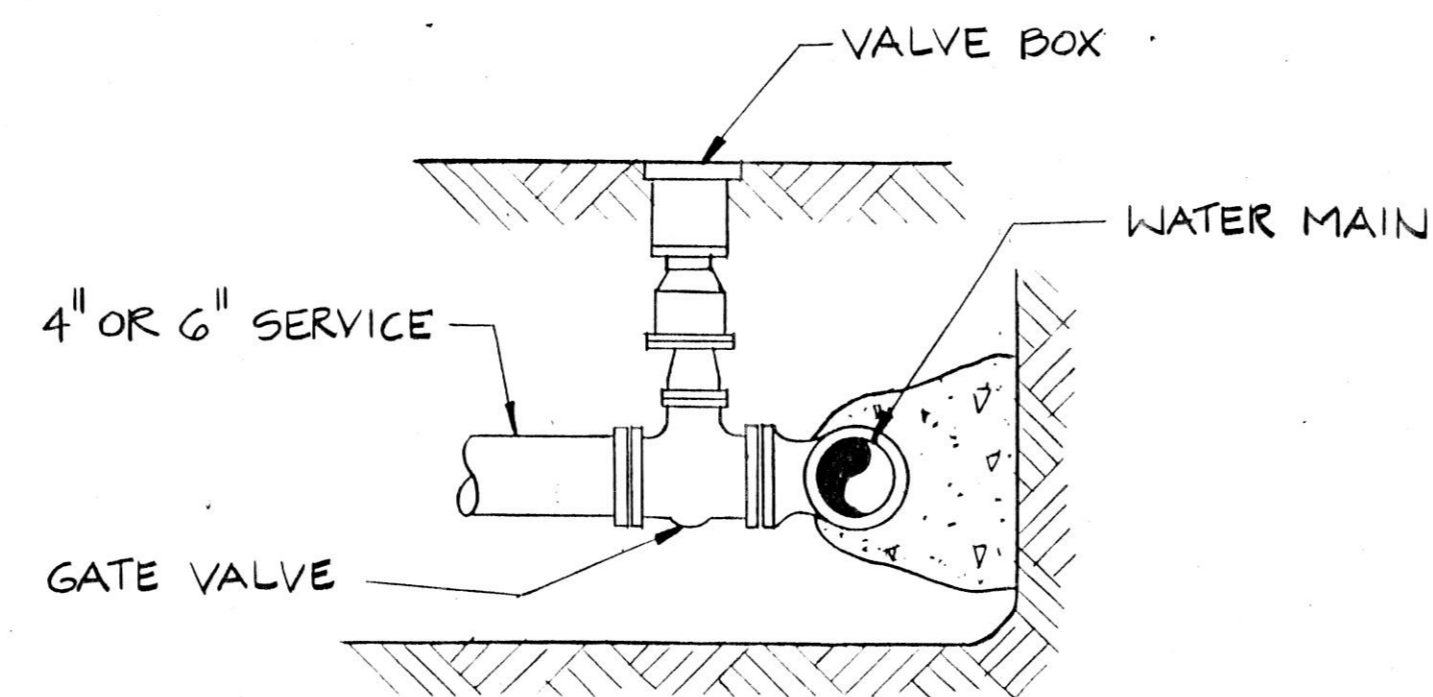


THRUST BLOCK AT 1/4 BEND  
NO SCALE

PIPE DIAMETER	SQ. FT. BEARING AREA		
	1/4 BEND	1/8 BEND	TEES, VALVES & HYDRANTS
4"	2	2	2
6"	5	3	4
8"	8	5	6



THRUST BLOCK AT 1/8 BEND  
NO SCALE

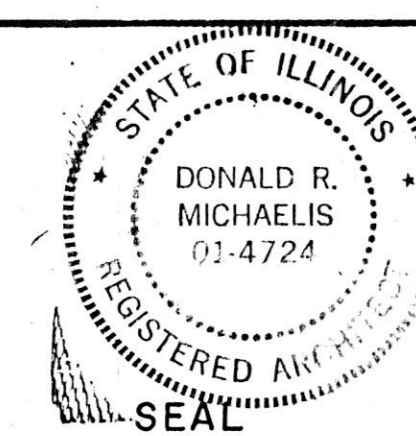


TYPICAL THRUST BLOCK AT ISOLATION/CURB VALVE  
NO SCALE

**NOTES:**

1. SEE SHEET NO. P-1 FOR NOTES
2. SEE SHEETS NO. P-1 & P-2 FOR LOCATION OF HYDRANTS & THRUST BLOCKS.

REVISIONS			DRAWN	APP'D.
NO.	DATE	REMARKS	D.L. WILSON	
			TRACED	APP'D.
			CHECKED FEK	APP'D. RDW



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180 North Wabash Ave.  
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DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724



**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

WATER MAIN - DETAILS AND NOTES

SITE & UTILITIES WORK

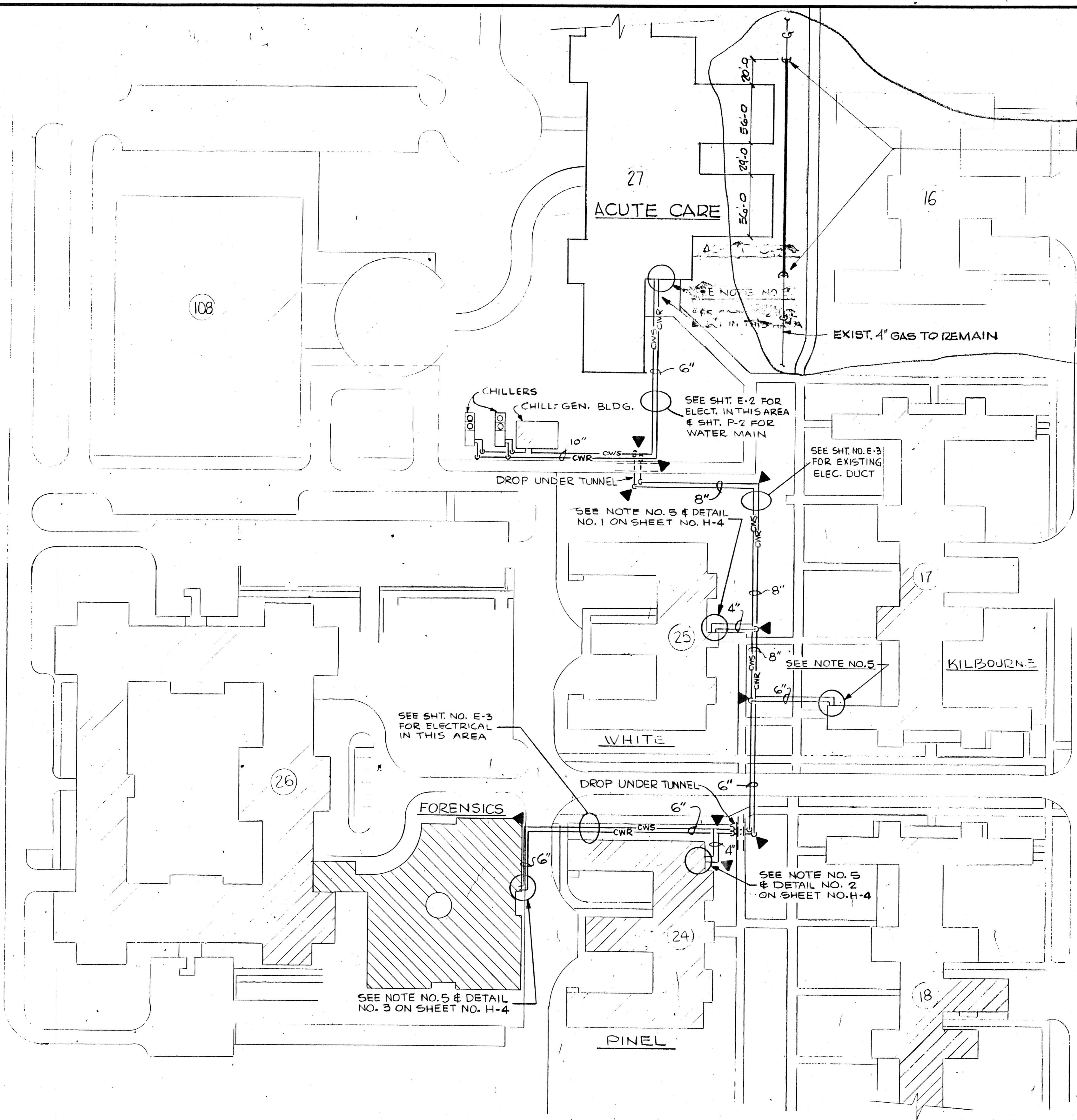
ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062  
PHASE B

DATE  
SEPTEMBER 10, 1984

SHEET  
**P-3**  
OF 3 SHEETS



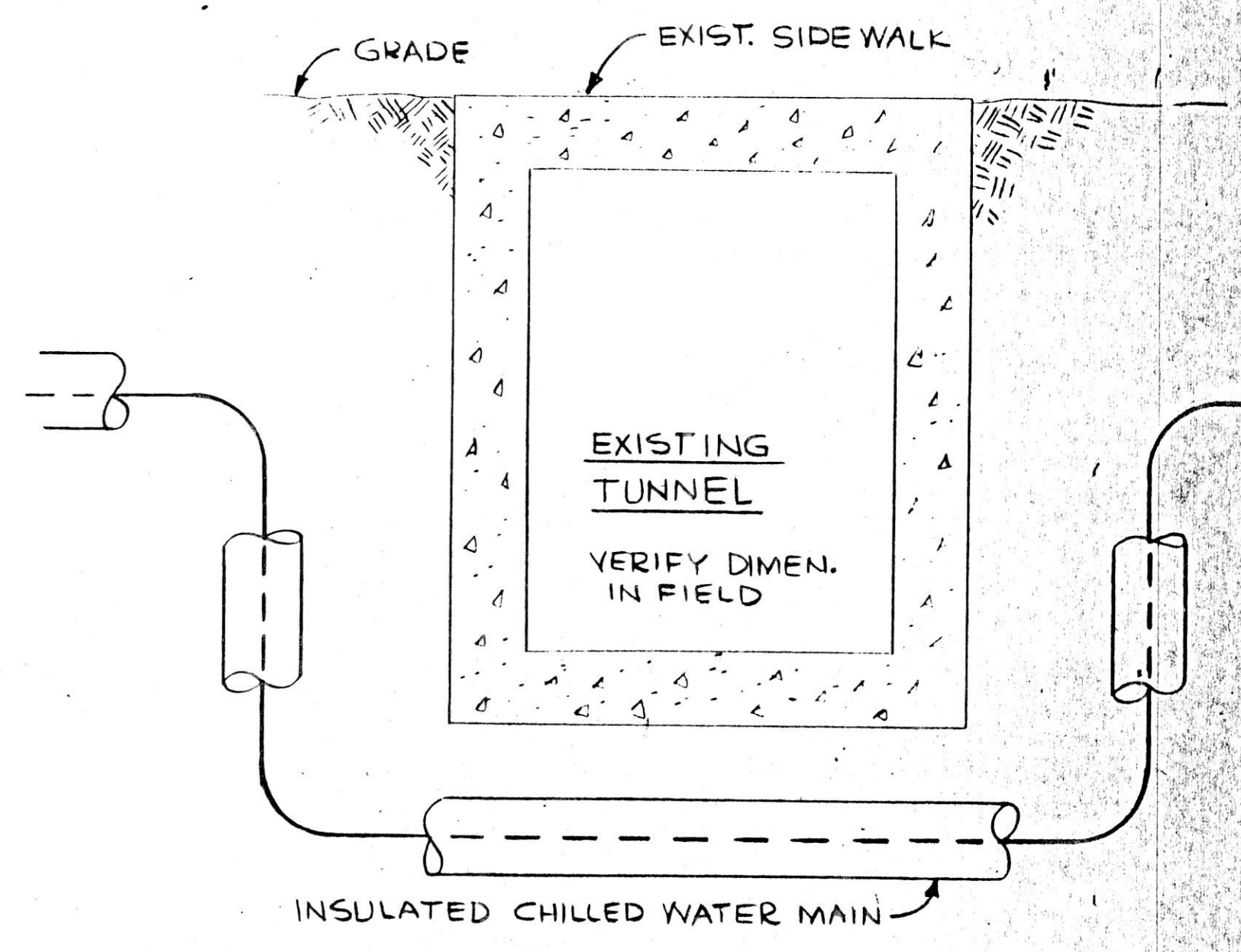


- PT. OF NEW CONNECTIONS
1. SHUT OFF SERVICE
  2. INSTALL NEW WELDED PIPE (200') TO MATCH EXIST, W/90° ELBOWS. DROP NEW LINE 3'-0" BELOW EXIST. LINE (3'-4" BELOW NEW GRADE) @ N. END DROP
  3. PROVIDE WELDED CONNECTIONS.
  4. TEST LINE - CHECK FOR LEAKS
  5. ENTIRE INSTALLATION SHALL BE IN ACCORD W/FEDERAL, STATE & LOCAL REGULATIONS.

SCALE ~ 1" = 50'-0"

LEGEND  
 CWS CHILLED WATER SUPPLY  
 CWR CHILLED WATER RETURN  
 ▲ THRUST BLOCK

REF. H-1



TYPICAL SECTION AT DROPS UNDER TUNNEL  
 NOT TO SCALE

- NOTES:
1. FOR DETAILS OF CHILLER//GENERATOR BLDG. SEE SHEET NO. H-2.
  2. FOR THRUST BLOCK REQUIREMENTS SEE SHEET NO. H-3.
  3. FOR CHILLED WATER FLOW DIAGRAM SEE SHEET NO. H-4.
  4. ALL CHILLED WATER MAINS SHALL HAVE A MINIMUM COVER OF 3'-6" OVER TOP OF MAIN.
  5. CHILLED WATER MAIN BUILDING ENTRANCE LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS SHALL BE ESTABLISHED IN THE FIELD BY THIS CONTRACTOR.

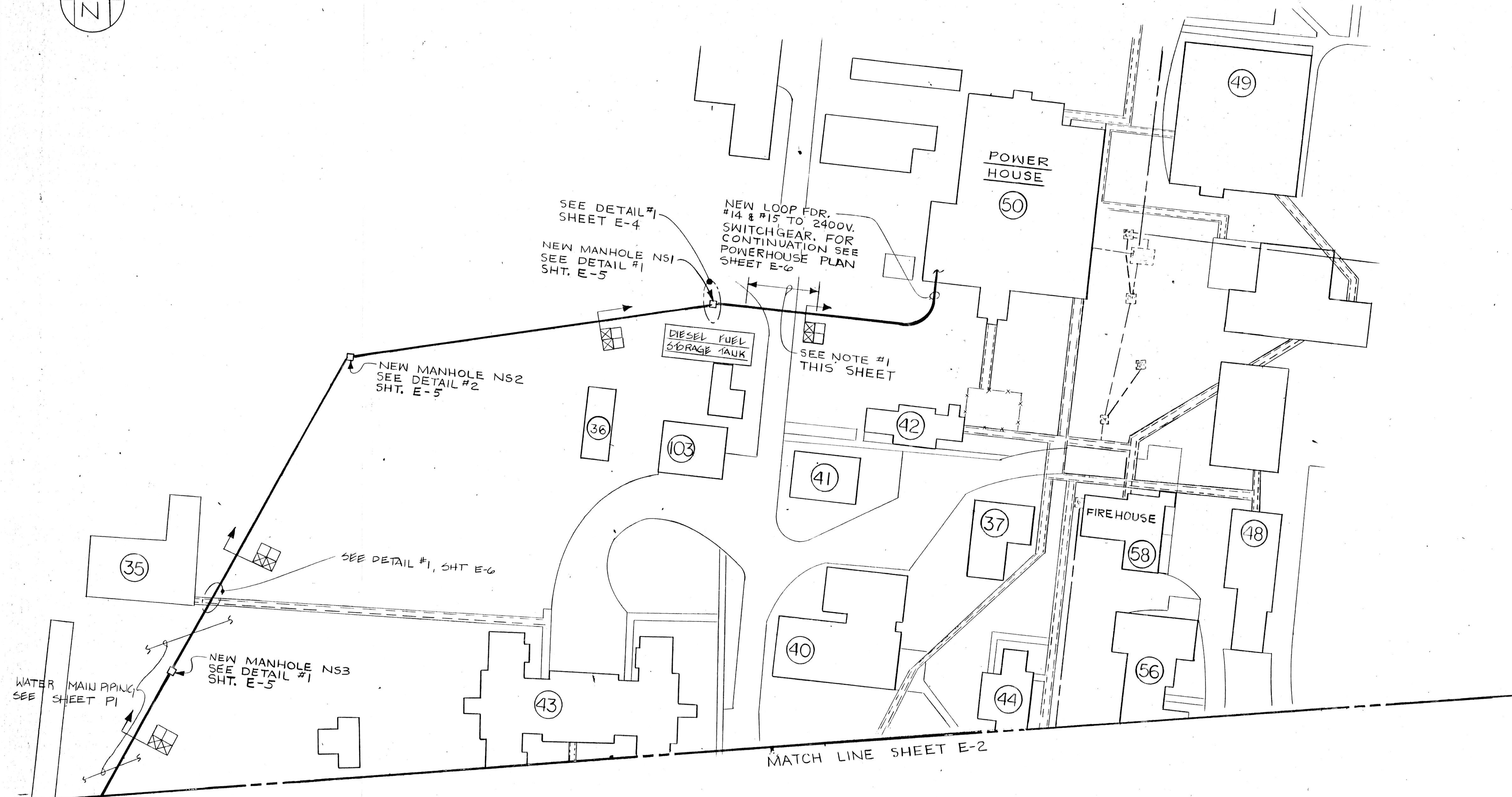
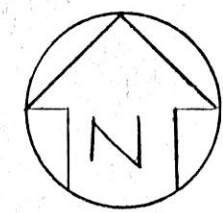
REVISIONS			DRAWN	APP'D.
NO.	DATE	REMARKS	DLW	
1	5-24-05	RFP-H-1	TRACED	APP'D.

HOH ARCHITECTS, INC.  
 180 North Wabash Ave  
 Chicago, Illinois 60601  
 312-346-8131  
 PROJECT NUMBER 959

STATE OF ILLINOIS

SITE PLAN - CHILLED WATER MAINS

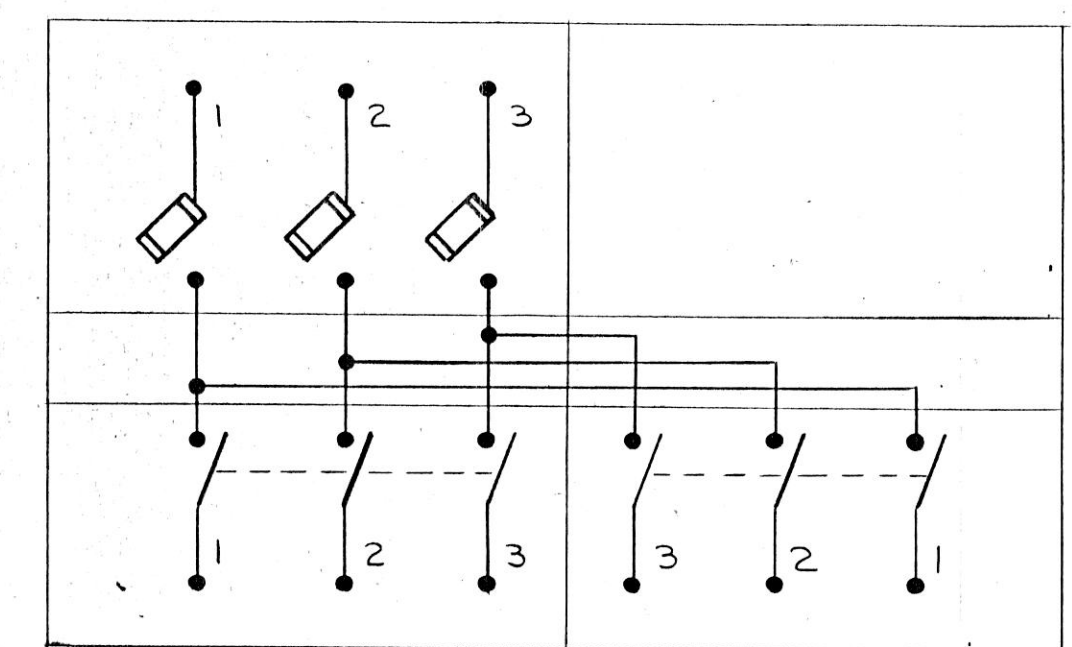
CDB 321-055-062  
 PHASE B  
 DATE



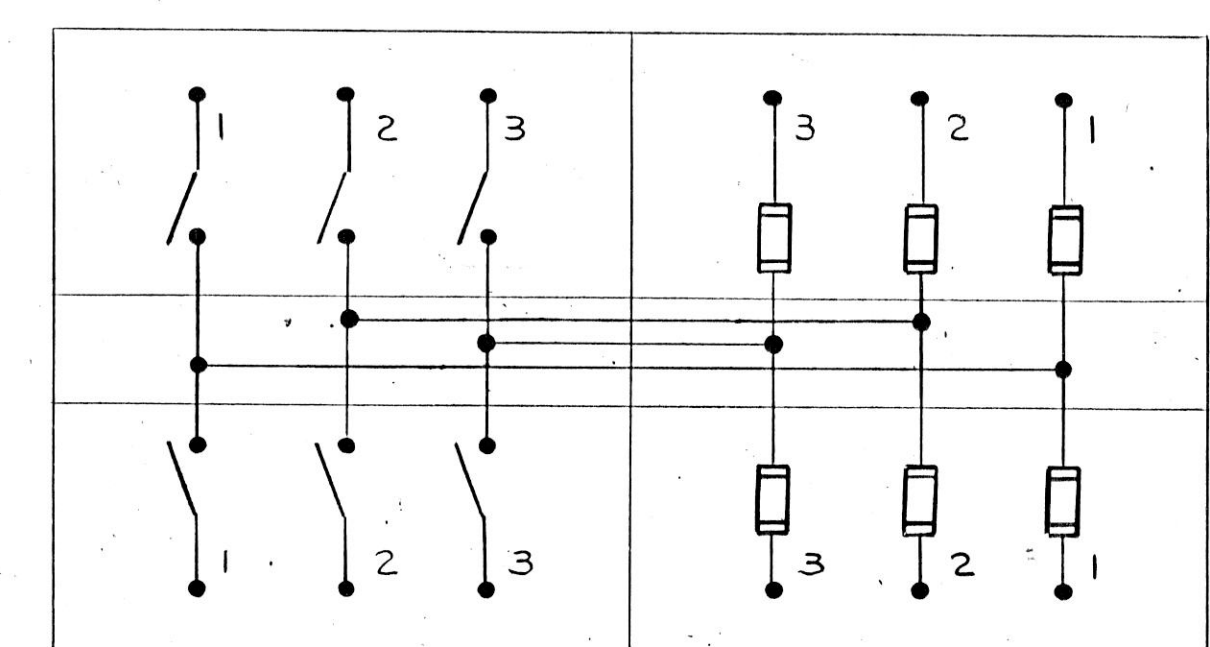
**SITE PLAN NORTH**  
SCALE: 1" = 50'-0"

**SYMBOL LIST**

- EXISTING UNDERGROUND DUCT BANK
- NEW UNDERGROUND DUCT BANK
- NEW MANHOLE
- EXISTING MANHOLE
- TRANSFORMER
- LOOP SWITCH (TYPE AS INDICATED)
- UNDERGROUND UTILITY TUNNEL
- UNDERGROUND DUCT BANK SECTION (TYPICAL)  
FUNCTION CODES ARE AS FOLLOWS:
- ☒ 2400V - POWER CIRCUIT IN 4" C
- ☒ 480V - EMERGENCY POWER CIRCUIT IN 2" C
- ☒ EMERGENCY POWER CONTROL CIRCUIT IN 2" C
- ☒ FIRE ALARM SIGNAL CIRCUIT IN 2" C
- ☒ REMOTE ANNUNCIATOR SIGNAL CIRCUIT IN 2" C
- ☐ SPARE CONDUIT IN 2" C OR 4" C
- CONDUIT ROUTED EXPOSED, PARALLEL OR PERPENDICULAR TO WALLS
- CONDUIT ROUTED CONCEALED IN FLOOR SLAB OR CONCRETE ENCASED
- LIGHTING FIXTURE OUTLET (AS PER FIXTURE SCHEDULE)
- FLOURESCENT LIGHT FIXTURE. CAP LETTER DENOTES FIXTURE TYPE. NUMERAL INDICATES CIRCUIT ASSIGNMENT. SUBSCRIPT LETTER DENOTES SWITCH LEG. (REFER TO LIGHTING FIXTURE SCHEDULE FOR COMPLETE DESCRIPTION.)
- ☒ EXIT SIGN (AS PER SCHEDULE)
- SINGLE POLE TOGGLE SWITCH
- MANUAL SINGLE PHASE MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION
- 20A, 125V, 3 WIRE GROUNDED RECEPTACLE (DUPLEX) MOUNTED +12" A.F.F.
- WALL MOUNTED OR CEILING MOUNTED JUNCTION BOX OR PULL BOX FOR CONCEALED OR EXPOSED WORK.
- POWER DISTRIBUTION PANEL
- AUXILIARY JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION
- MOTOR (HP, VOLTAGE, PHASE AS NOTED ON PLANS)
- ☒ MAGNETIC ACROSS-THE LINE 3-PHASE MOTOR STARTER
- ☒ COMBINATION MAGNETIC ACROSS-THE LINE 3-PHASE MOTOR STARTER WITH FUSED DISCONNECT SWITCH OR AS NOTED
- MANUAL DISCONNECT SWITCH (NUMBER OF POLES, AMPERE RATING, VOLTAGE AS NOTED ON PLANS) "N.F." DENOTES NON-FUSED
- BRANCH POWER PANEL
- ☒ PREWIRED UNIT SELF-CONTAINED EQUIPMENT CONTROL PANEL, (EQUIPMENT FURNISHED BY OTHERS) LINE TERMINAL CONNECTIONS BY ELECTRICAL CONTRACTOR
- RSC RIGID STEEL CONDUIT
- ☒ FIRE ALARM PULL STATION
- ☒ FIRE ALARM HORN
- ☒ SMOKE DETECTOR
- ☒ FIRE ALARM CONTROL PANEL
- END OF LINE RESISTOR
- E.C. ELECTRICAL CONTRACTOR



**NEW LOOP SWITCH (TYPE I)**



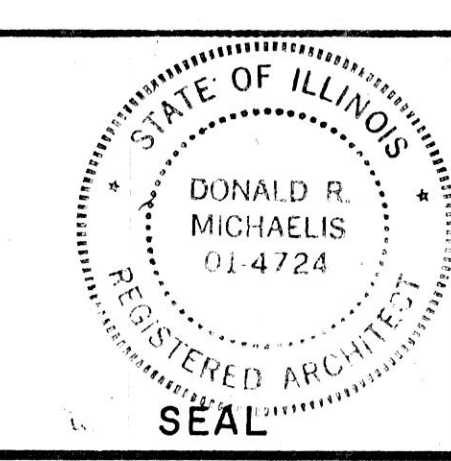
**NEW LOOP SWITCH (TYPE II)**

**NOTES**

1. ELECTRICAL CONTRACTOR SHALL PROVIDE RIGID STEEL CONDUIT IN UNDERGROUND DUCT BANKS UNDER ALL ROADWAYS. THE RIGID STEEL CONDUIT SHALL EXTEND A MINIMUM OF 5'-0" BEYOND THE EDGE OF PAVEMENT ON BOTH SIDES.
2. ELECTRICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ELECTRICAL EQUIPMENT AND MECHANICAL FACILITIES PRIOR TO INSTALLATION OF DUCT RUNS AND MANHOLES.

REVISIONS		
NO.	DATE	REMARKS

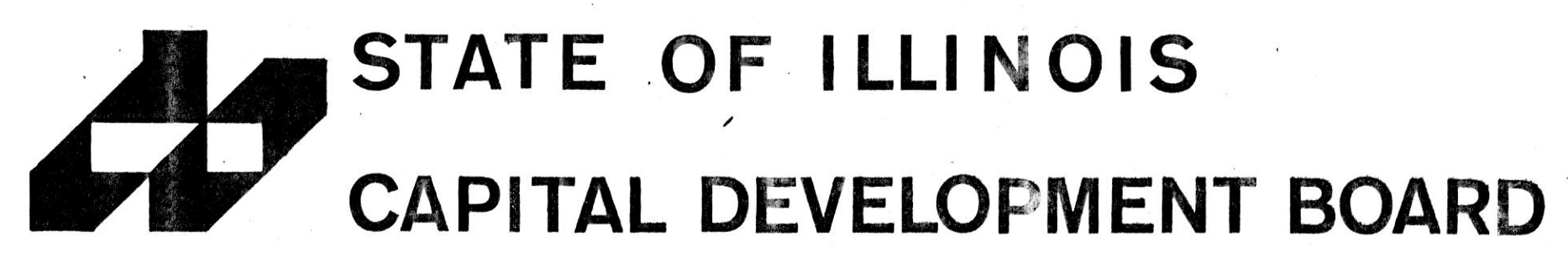
DRAWN MJC	APP'D.
TRACED	APP'D.
CHECKED RSS	APP'D. RSS



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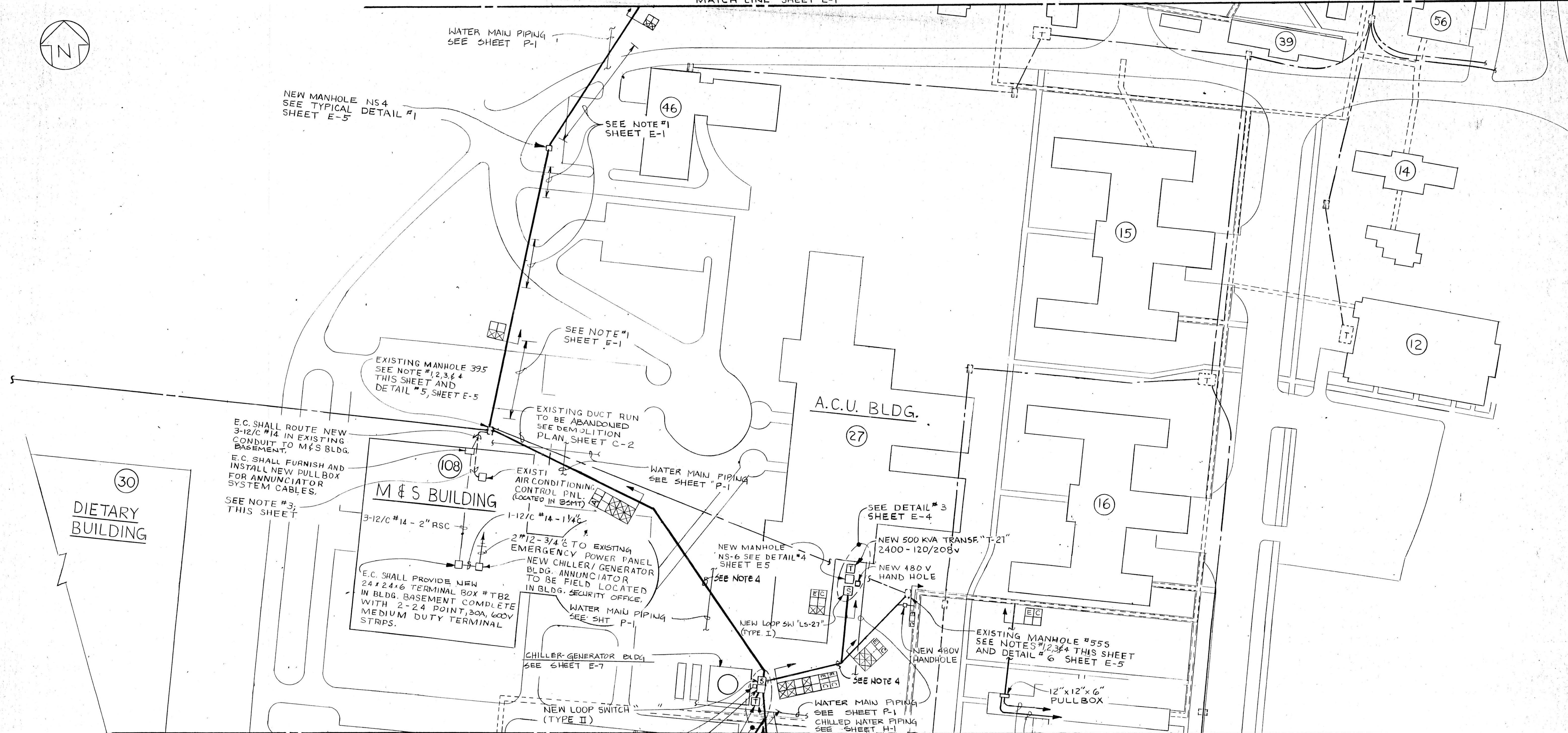
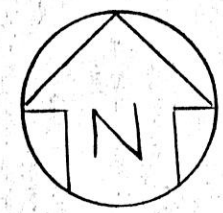
PROJECT NUMBER: **959**

APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724



SITE PLAN - NORTH
SITE & UTILITIES WORK
ELGIN MENTAL HEALTH CENTER KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062 PHASE B
DATE SEPTEMBER 10, 1984
SHEET <b>E-1</b> OF 8 SHEETS



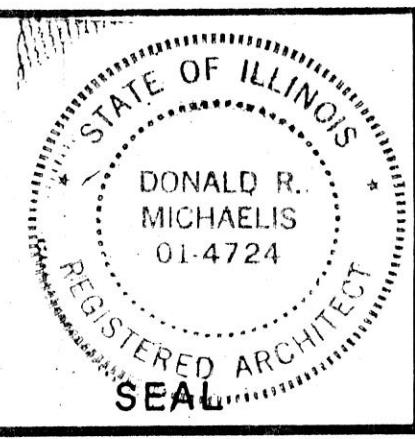
MATCH LINE SHEET E-3

**SITE PLAN - CENTER**  
SCALE: 1" = 50'-0"

**NOTES**

- EXISTING M&S BUILDING FEEDERS #11 & #12 AND DIETARY BUILDING FEEDERS #13 (BOTH LEGS) ARE TO BE INTERCEPTED & SPLICED IN EXISTING MANHOLES #395 & #555 WITH NEW CABLE AND REROUTED AS SHOWN ON PLAN. E.C. SHALL MODIFY & ADD ALL ADDITIONAL MANHOLE CABLE SUPPORTS AS DETERMINED BY FIELD CONDITIONS.
- EXISTING CABLE SEGMENTS ARE TO BE REMOVED FROM DUCTS BETWEEN MANHOLES 395 AND 555 AND RETURNED TO THE USING AGENCY.
- DISCONNECT EXISTING AIR CONDITIONING CONTROL CABLE AT M&S BLDG. AIR CONDITIONING CONTROL PANEL CUT AND REMOVE CABLE TO MANHOLE 555. COIL SUFFICIENT LENGTH OF CABLE AT MANHOLE 555 FOR FUTURE EXTENSION & RETURN REMOVED SEGMENTS TO USING AGENCY.
- THE INSTALLATION OF NEW DUCT RUN, MANHOLE NS 5 AND CIRCUIT CONDUCTORS DESCRIBED IN NOTE 1 SHALL BE COMPLETED AS SOON AS POSSIBLE TO FACILITATE CONSTRUCTION OF A.C.U. BUILDING.

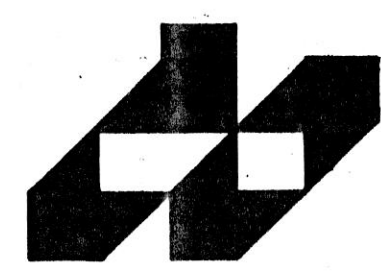
REVISIONS			DRAWN	APP'D.
NO.	DATE	REMARKS	MJC	
			TRACED	APP'D.
			CHECKED	APP'D.
			RSS	RSS



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Chicago, Illinois 60601  
312/346-8131

PROJECT NUMBER **959**

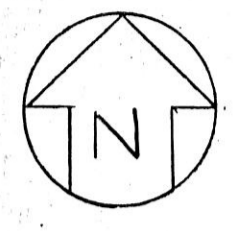
APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724



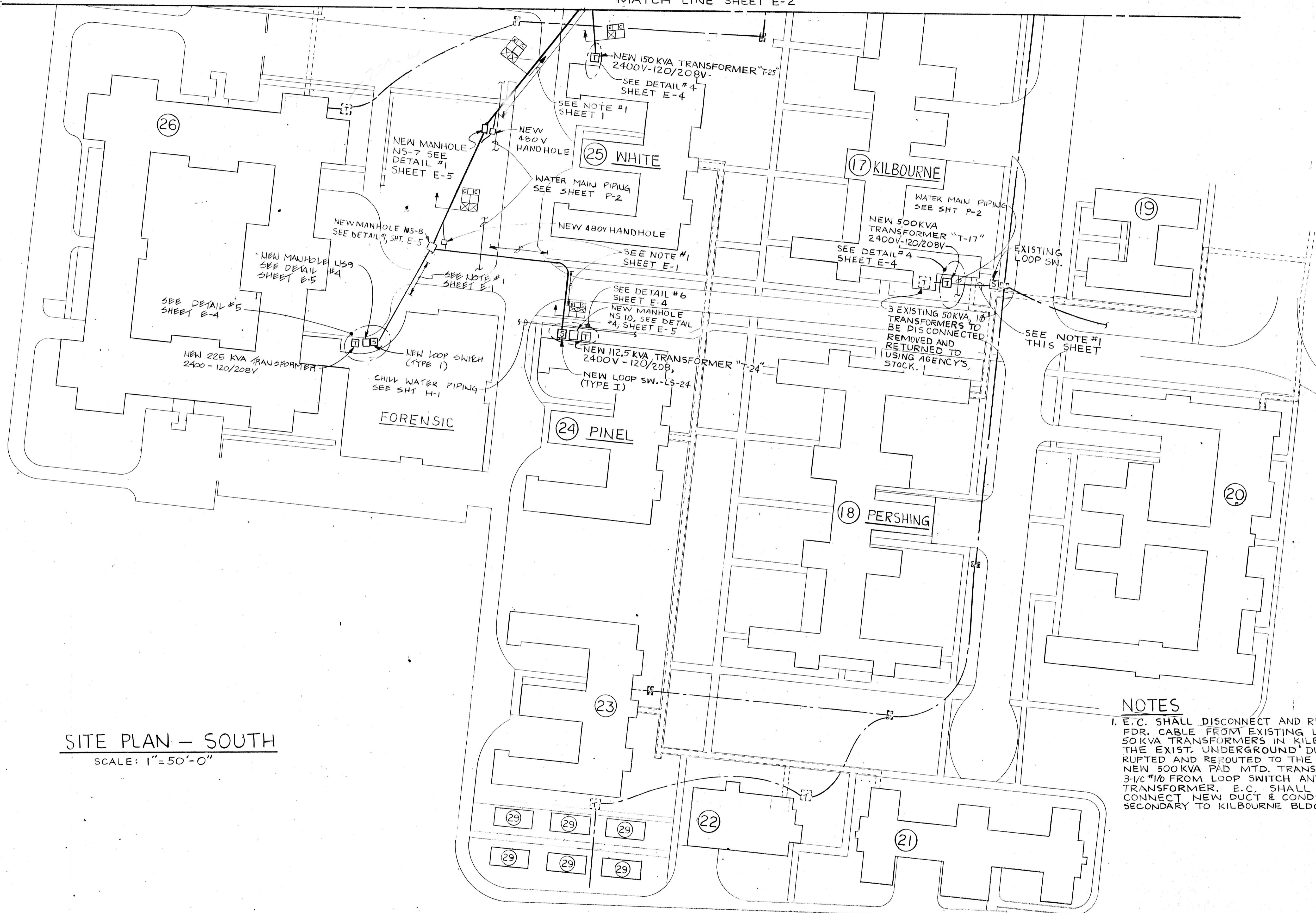
**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

SITE PLAN - CENTER  
SITE & UTILITIES WORK  
ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062  
PHASE B  
DATE  
SEPTEMBER 10, 1984  
SHEET  
**E-2**  
OF 8 SHEETS



MATCH LINE SHEET E-2



SITE PLAN - SOUTH  
SCALE: 1"=50'-0"

**NOTES**  
1. E.C. SHALL DISCONNECT AND REMOVE EXISTING FDR. CABLE FROM EXISTING LOOP SWITCH TO EXIST. 50KVA TRANSFORMERS IN KILBOURNE BLDG. BASEMENT. THE EXIST. UNDERGROUND DUCT SHALL BE INTERRUPTED AND REROUTED TO THE PRIMARY SIDE OF THE NEW 500KVA PAD MTD. TRANSFORMER. PULL NEW 3-1/2" #10 FROM LOOP SWITCH AND CONNECT TO NEW TRANSFORMER. E.C. SHALL ALSO ROUTE & CONNECT NEW DUCT & CONDUCTORS FROM TRANSF. SECONDARY TO KILBOURNE BLDG. SERVICE PANELS.

REVISIONS		
NO.	DATE	REMARKS

DRAWN: MJC  
APP'D.:  
TRACED: APP'D.:  
CHECKED: R55  
APP'D.: R55

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Chicago, Illinois 60601  
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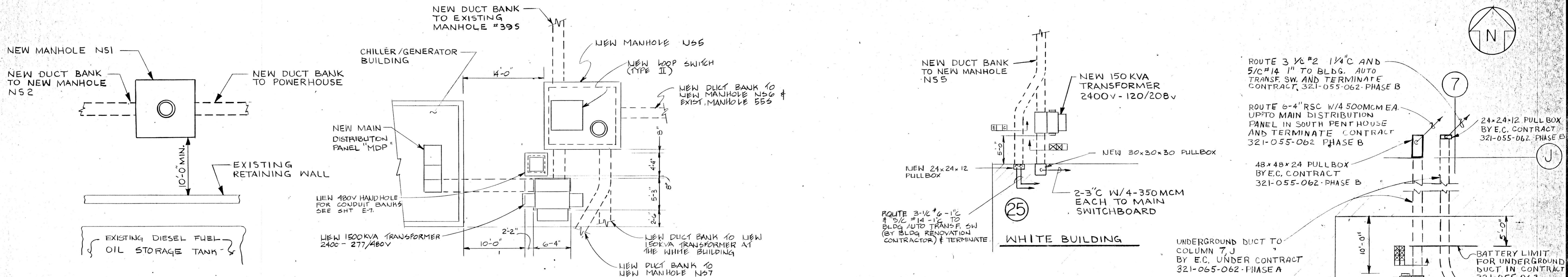
PROJECT NUMBER: **959**

APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

SITE PLAN - SOUTH  
SITE & UTILITIES WORK  
ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-082  
PHASE B  
DATE: SEPTEMBER 10, 2024  
SHEET  
**E-3**  
OF 8 SHEETS

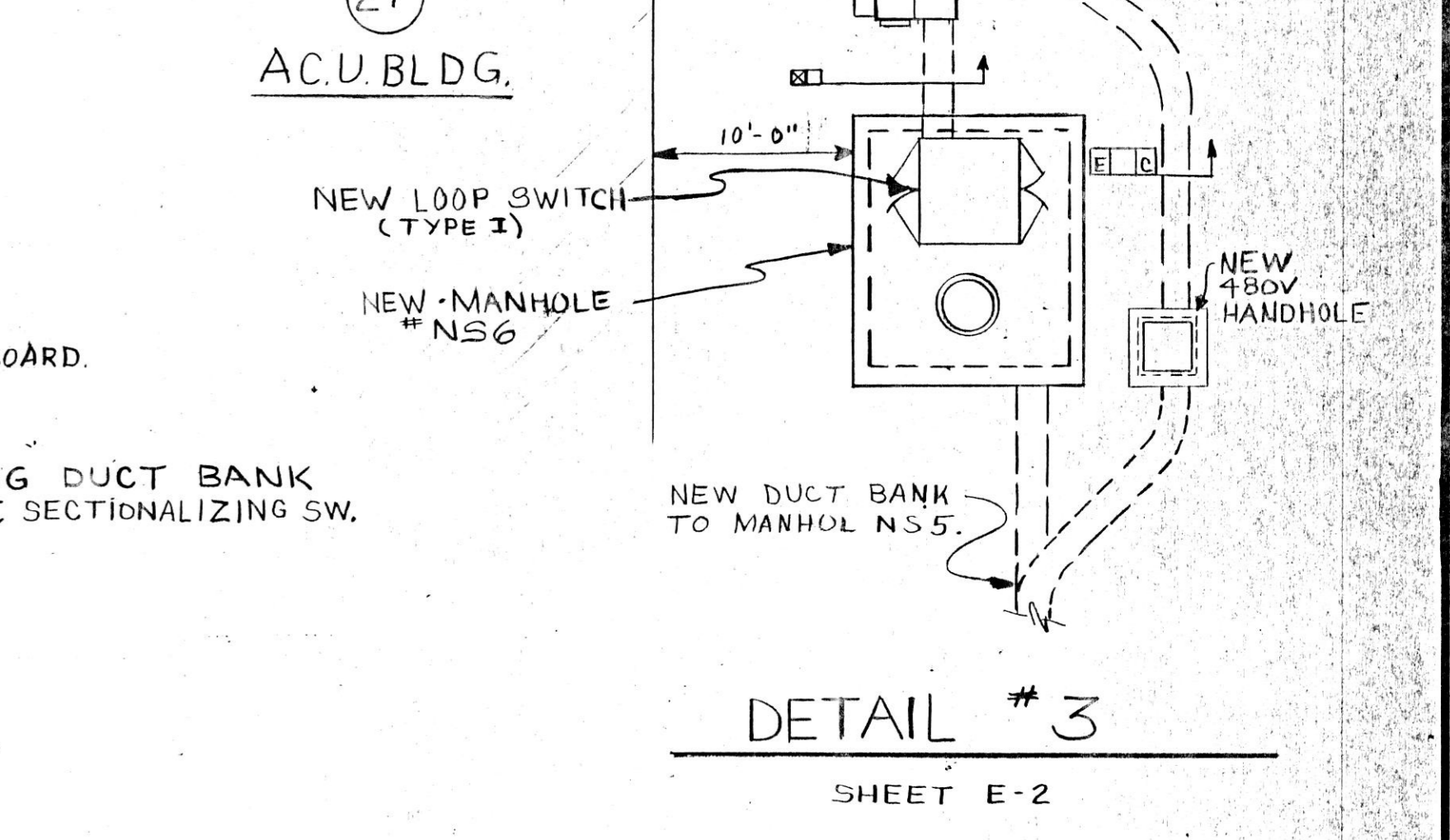
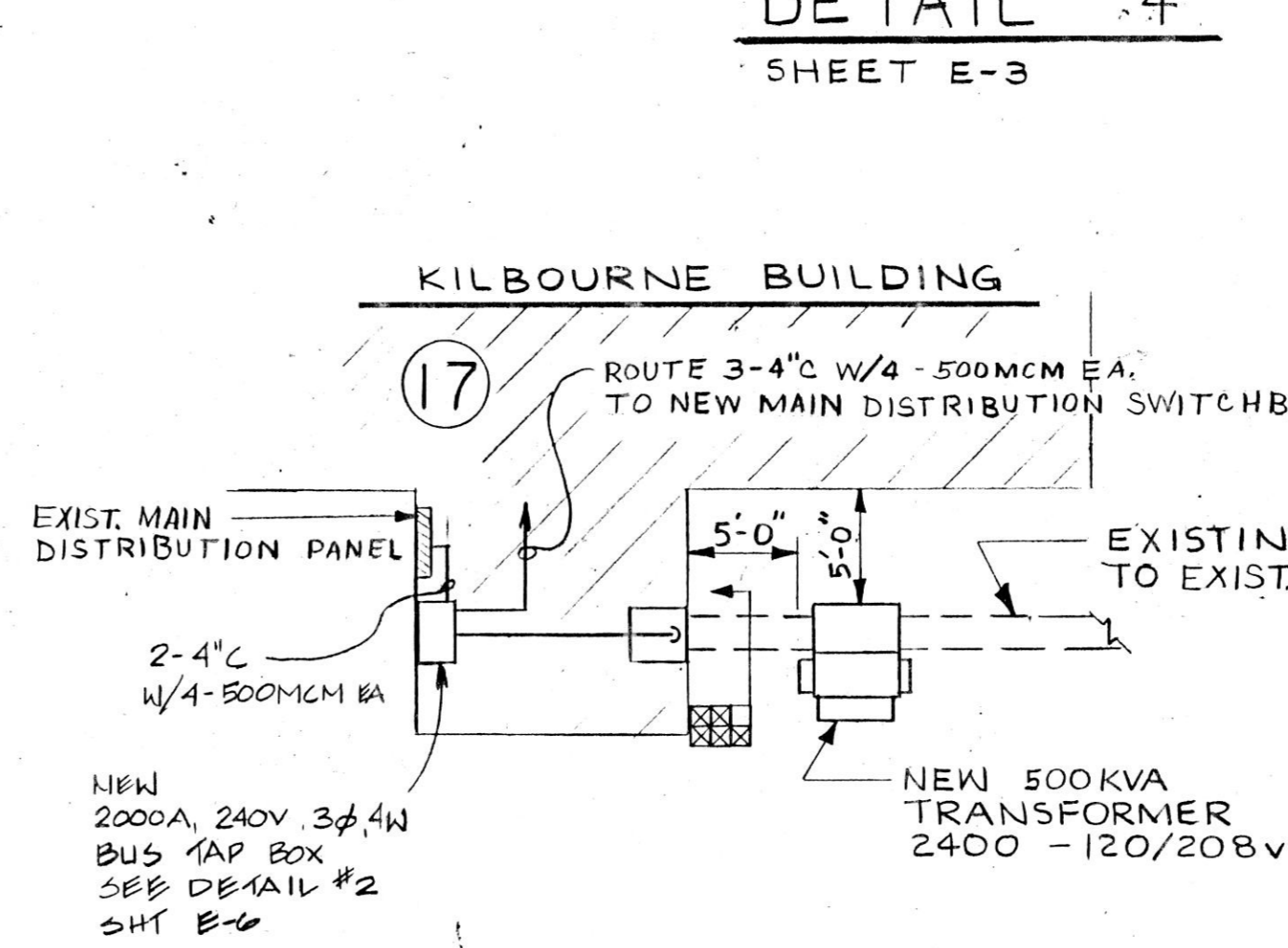
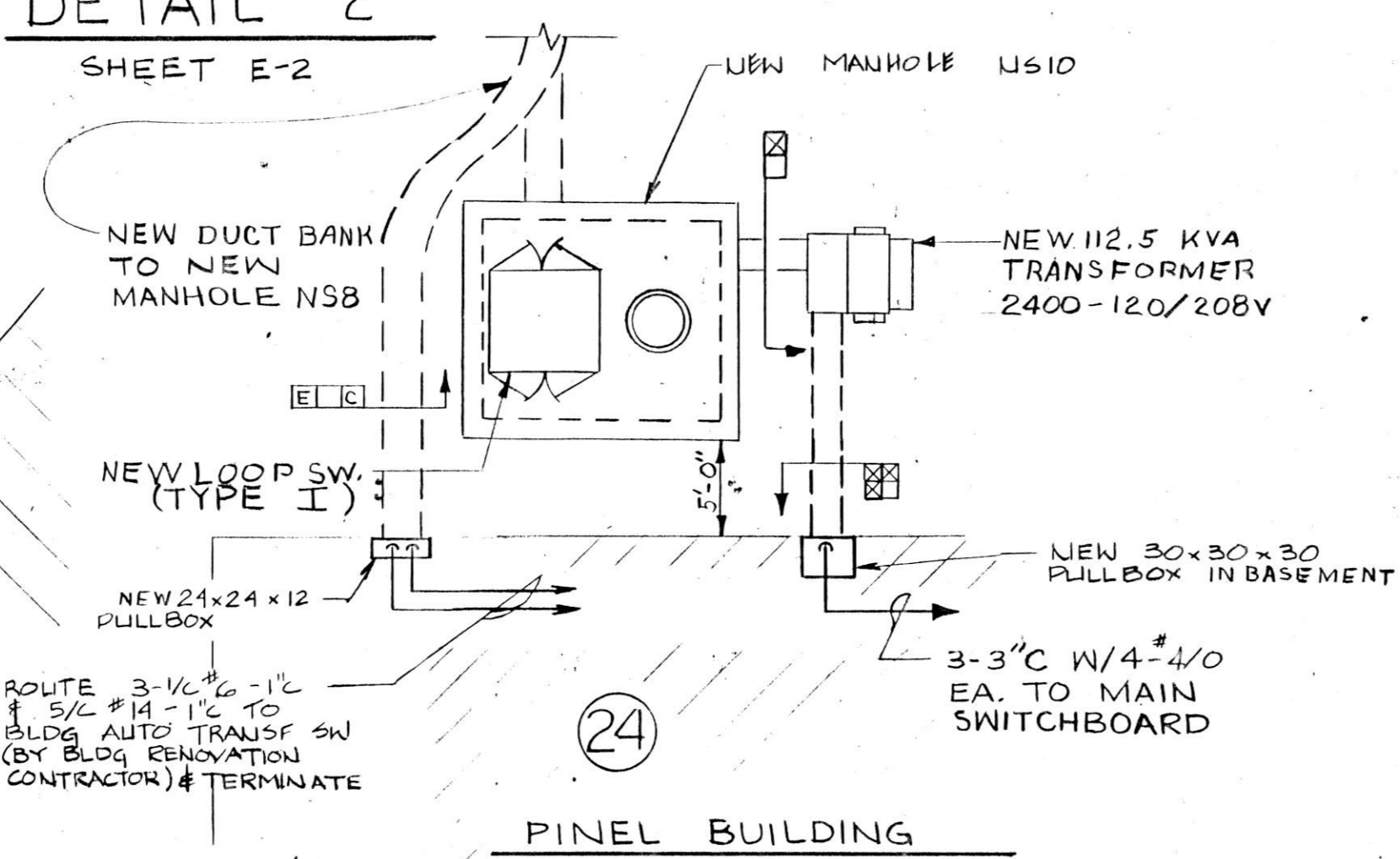
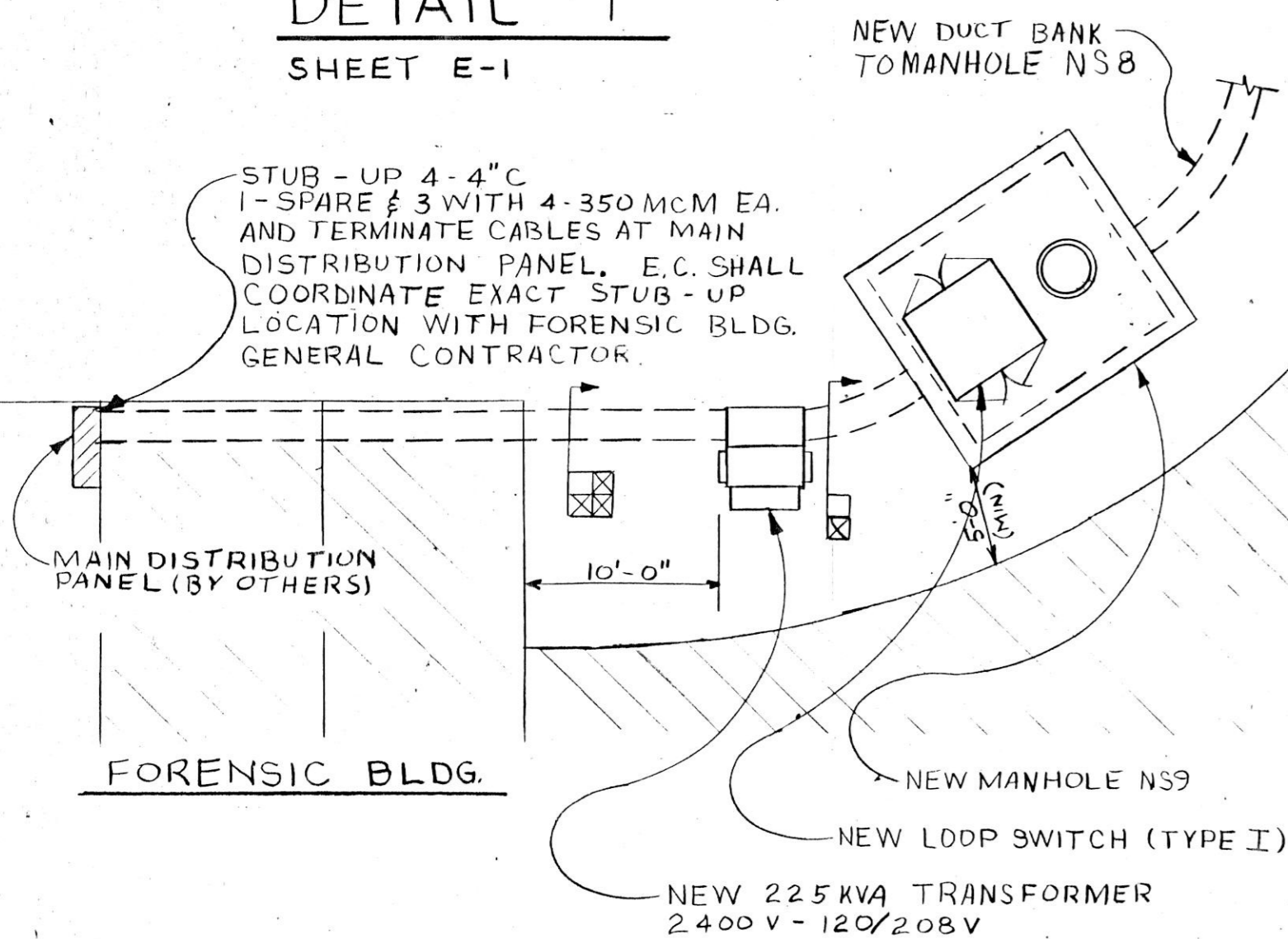


DETAIL #1  
SHEET E-1

DETAIL #2  
SHEET E-2

DETAIL #4  
SHEET E-3

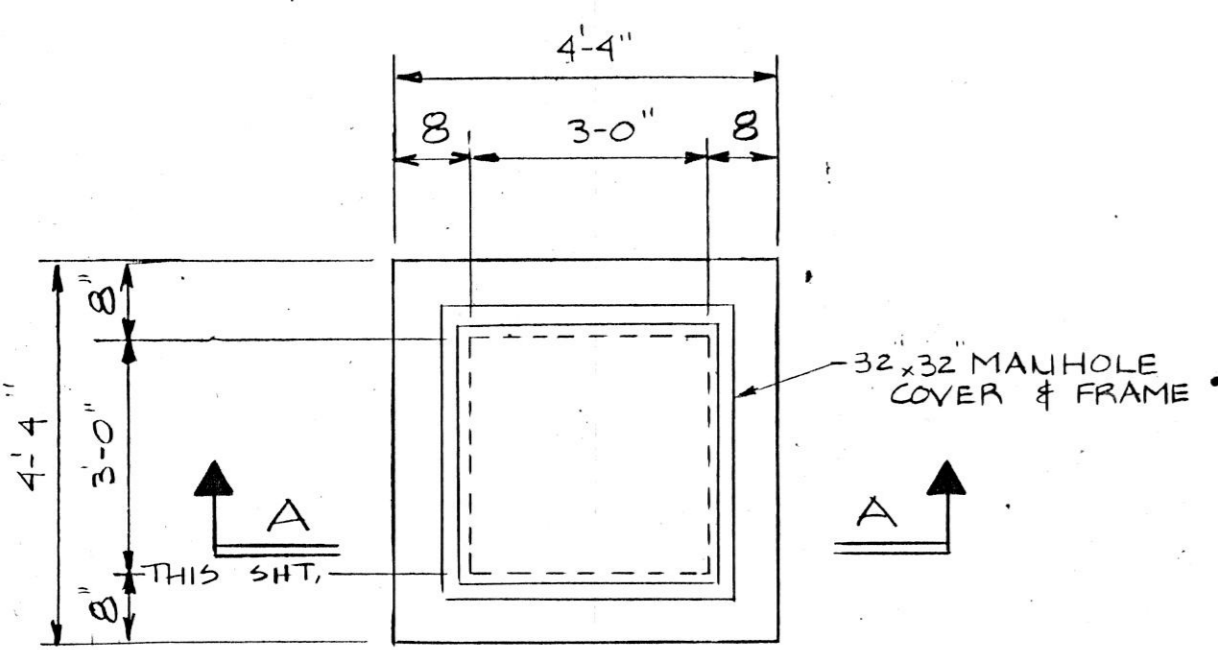
DETAIL #3  
SHEET E-2



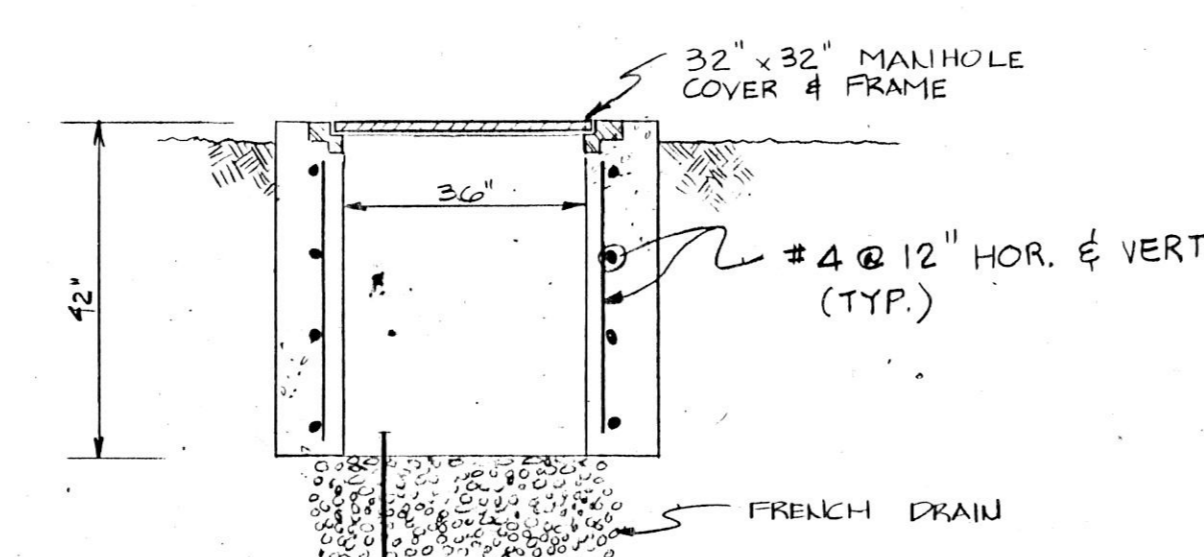
DETAIL #5  
SHEET E-3

DETAIL #6  
SHEET E-3

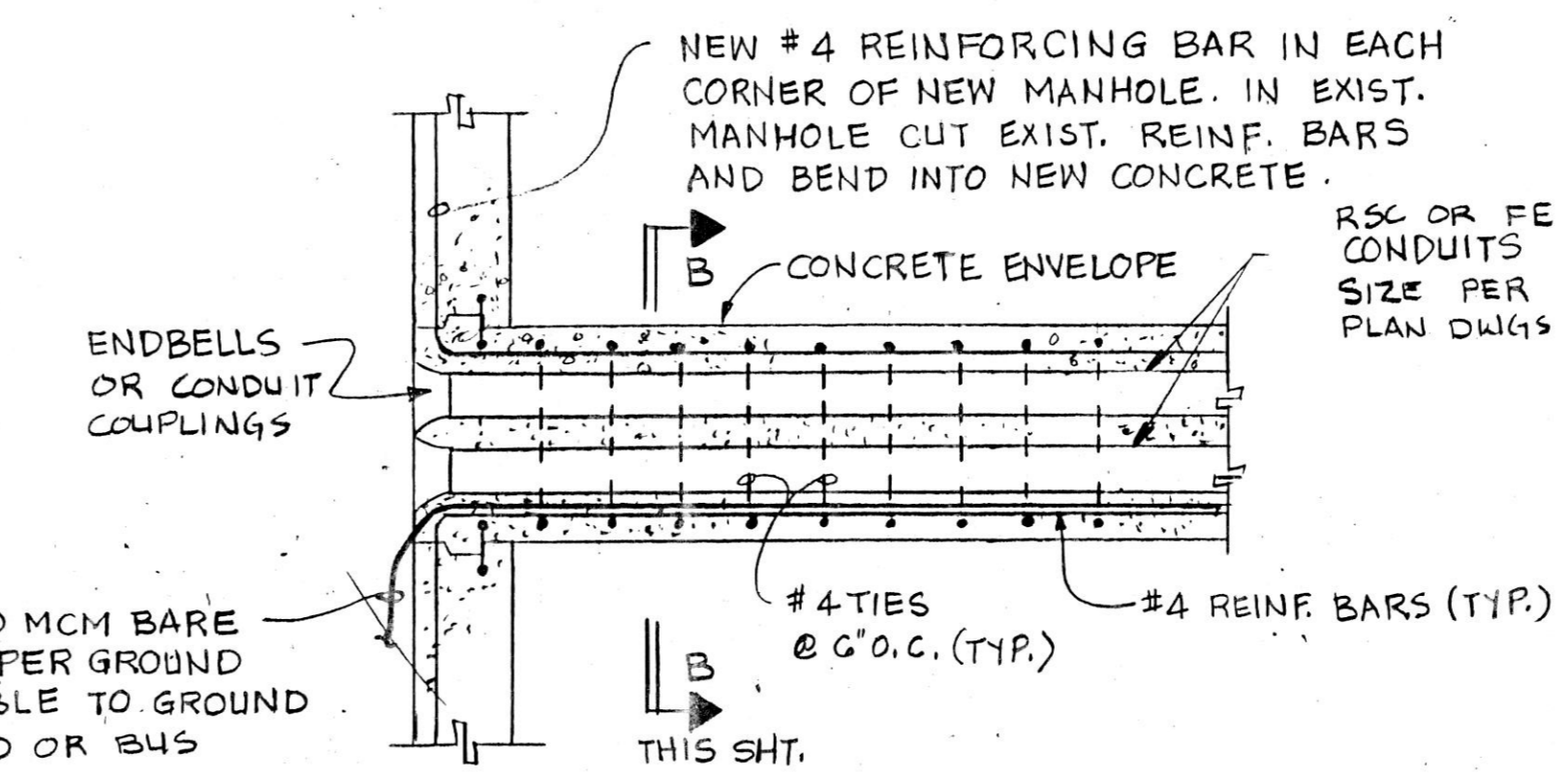
DETAIL #7  
SHEET E-3



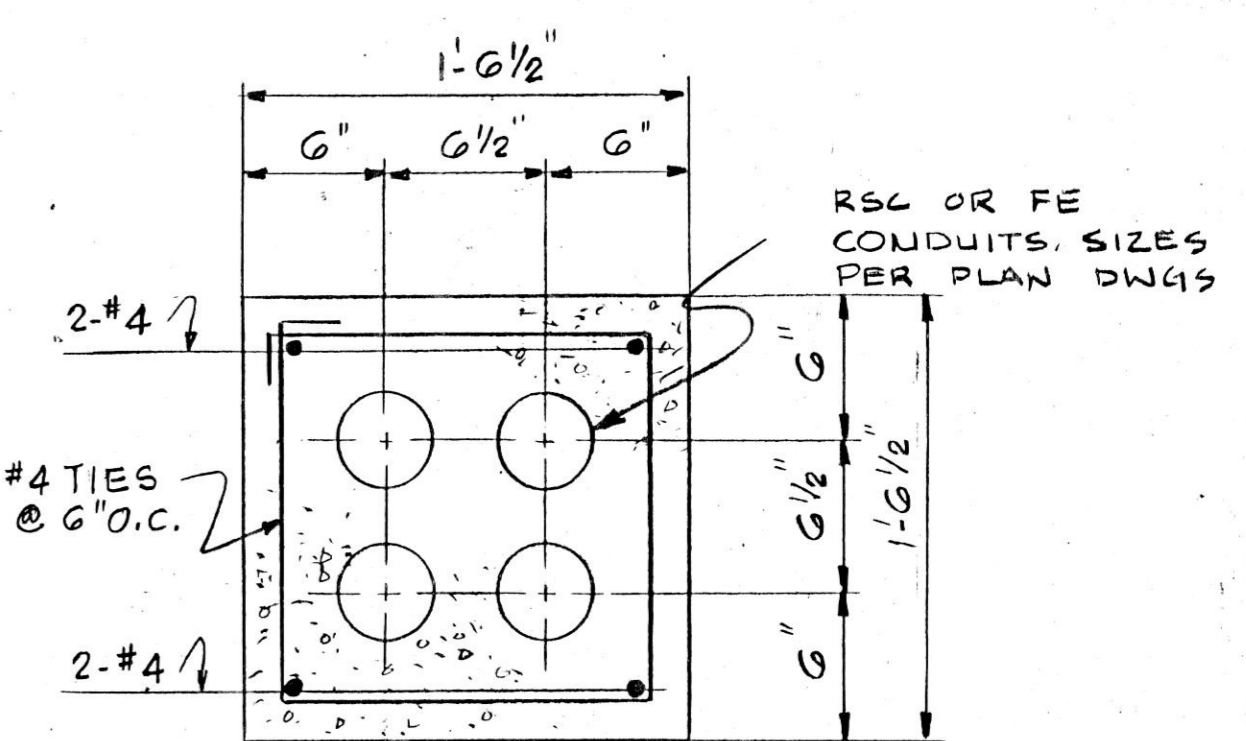
DETAIL #8  
NEW 480V HANDHOLE  
SHTS. E-2, E-3  
N.T.S.



SECTION "A"  
N.T.S.



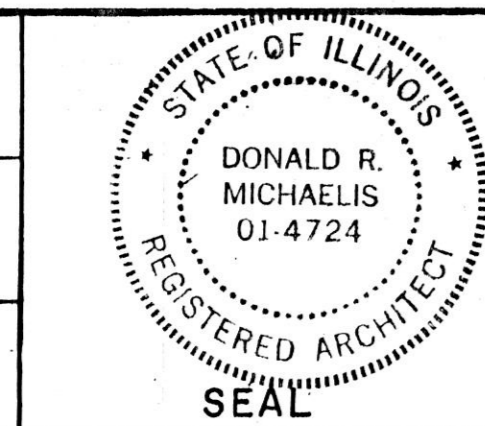
TYPICAL SECTION  
DUCT ENTRANCE TO MANHOLE OR TUNNEL



SECTION "B"  
N.T.S.

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

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**HOH ARCHITECTS, INC.**  
180 North Wabash Ave.  
Chicago, Illinois 60601  
312-346-8131

PROJECT NUMBER: **959**

APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

EQUIPMENT LOCATION DETAILS

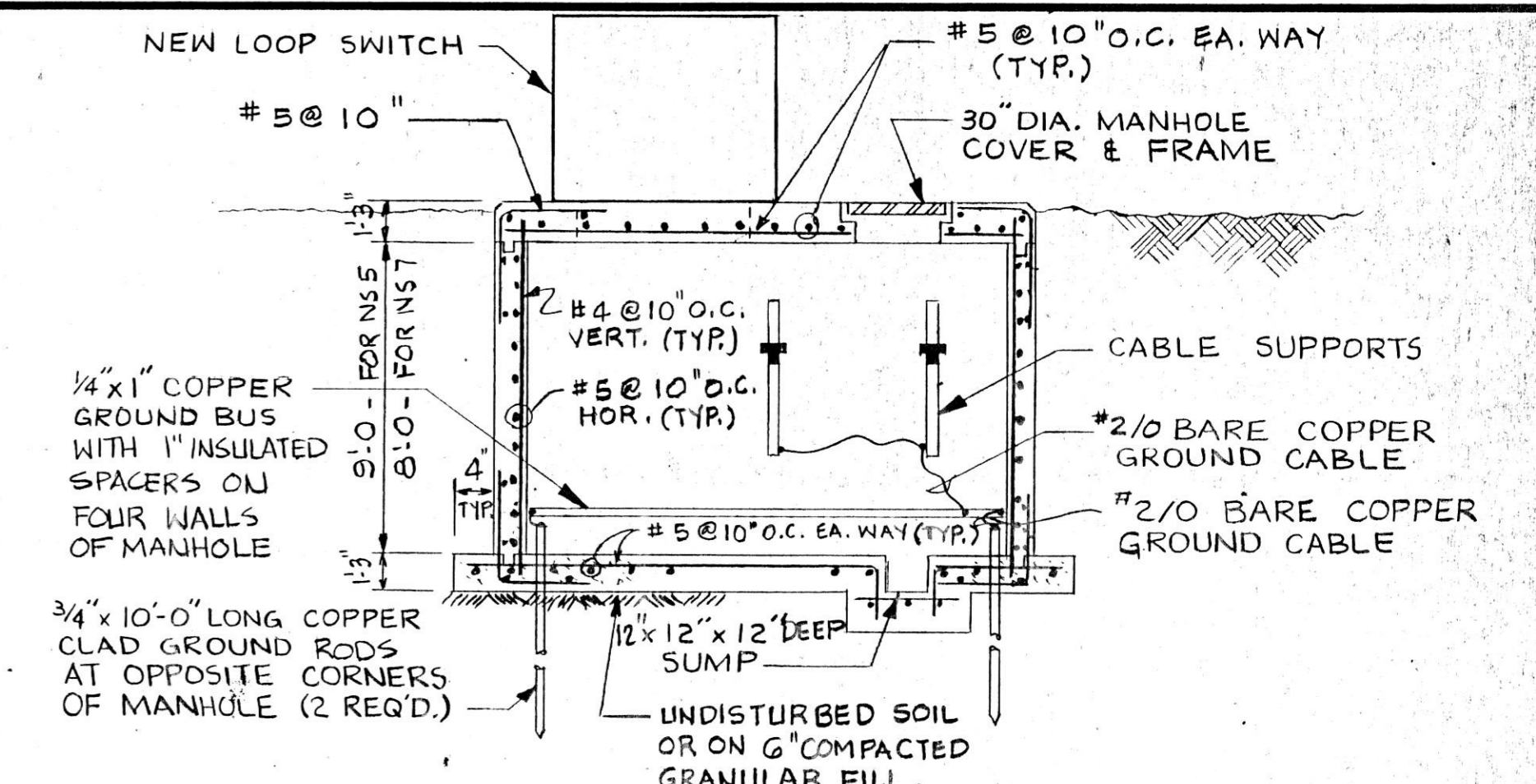
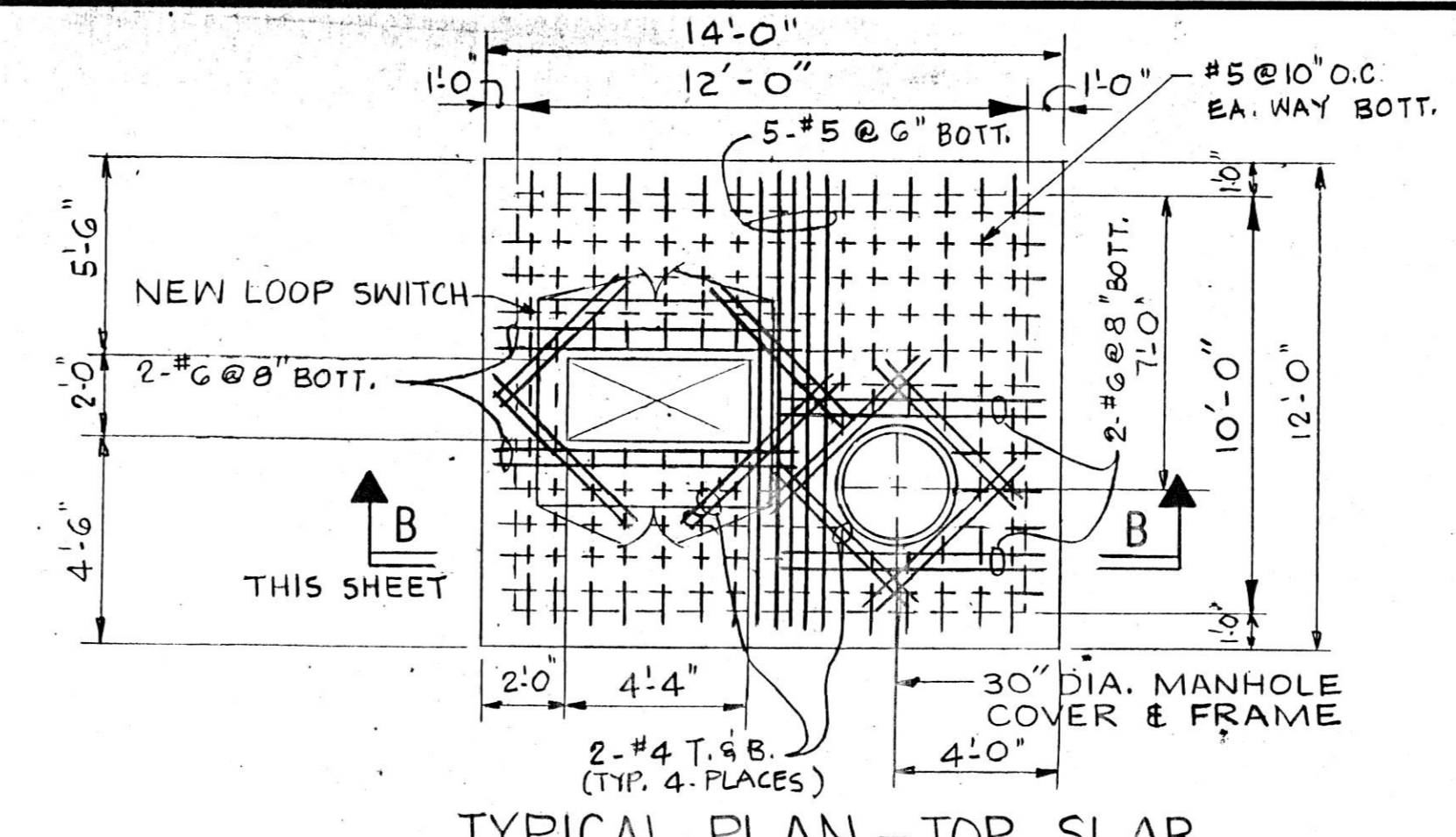
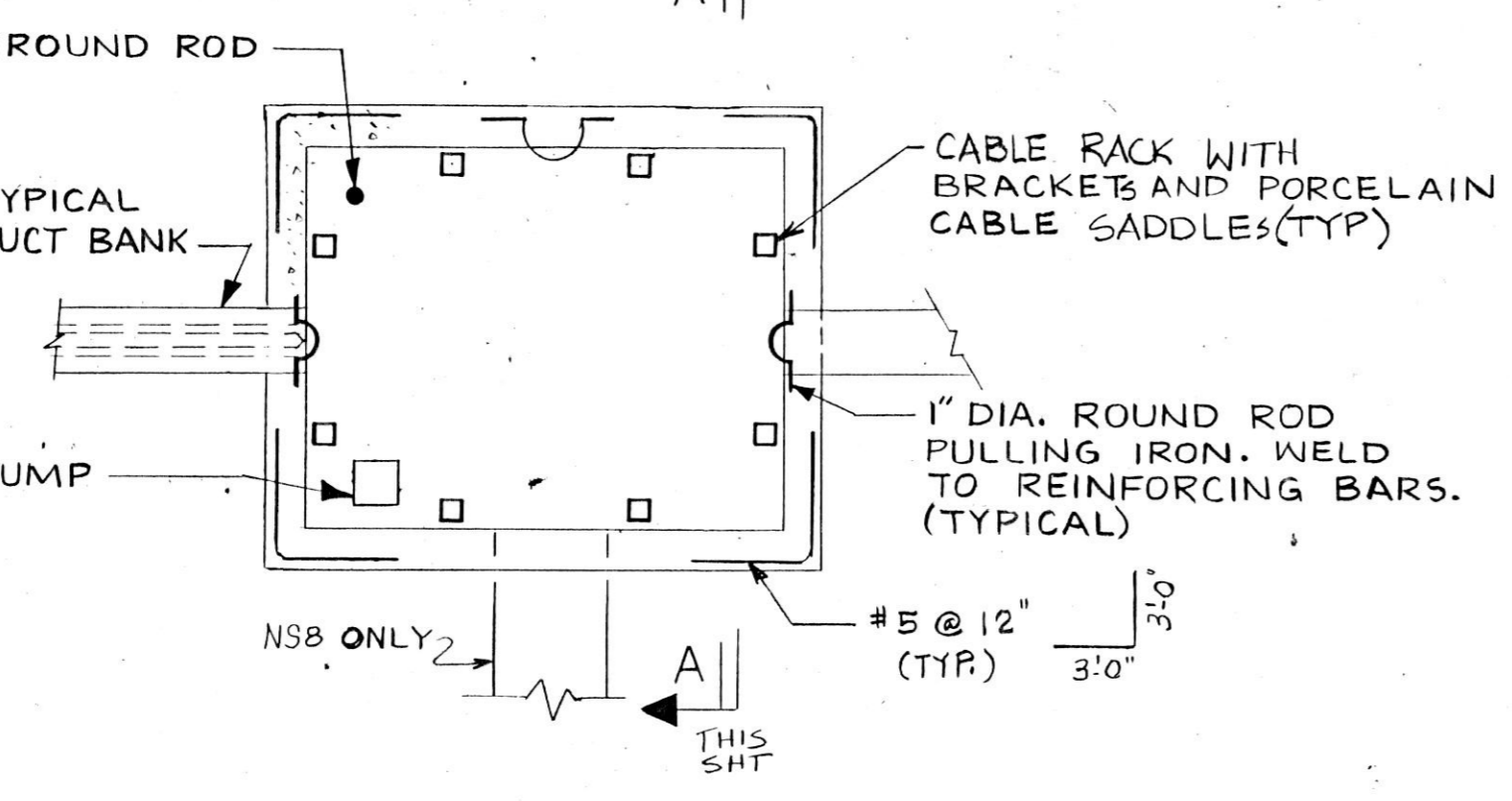
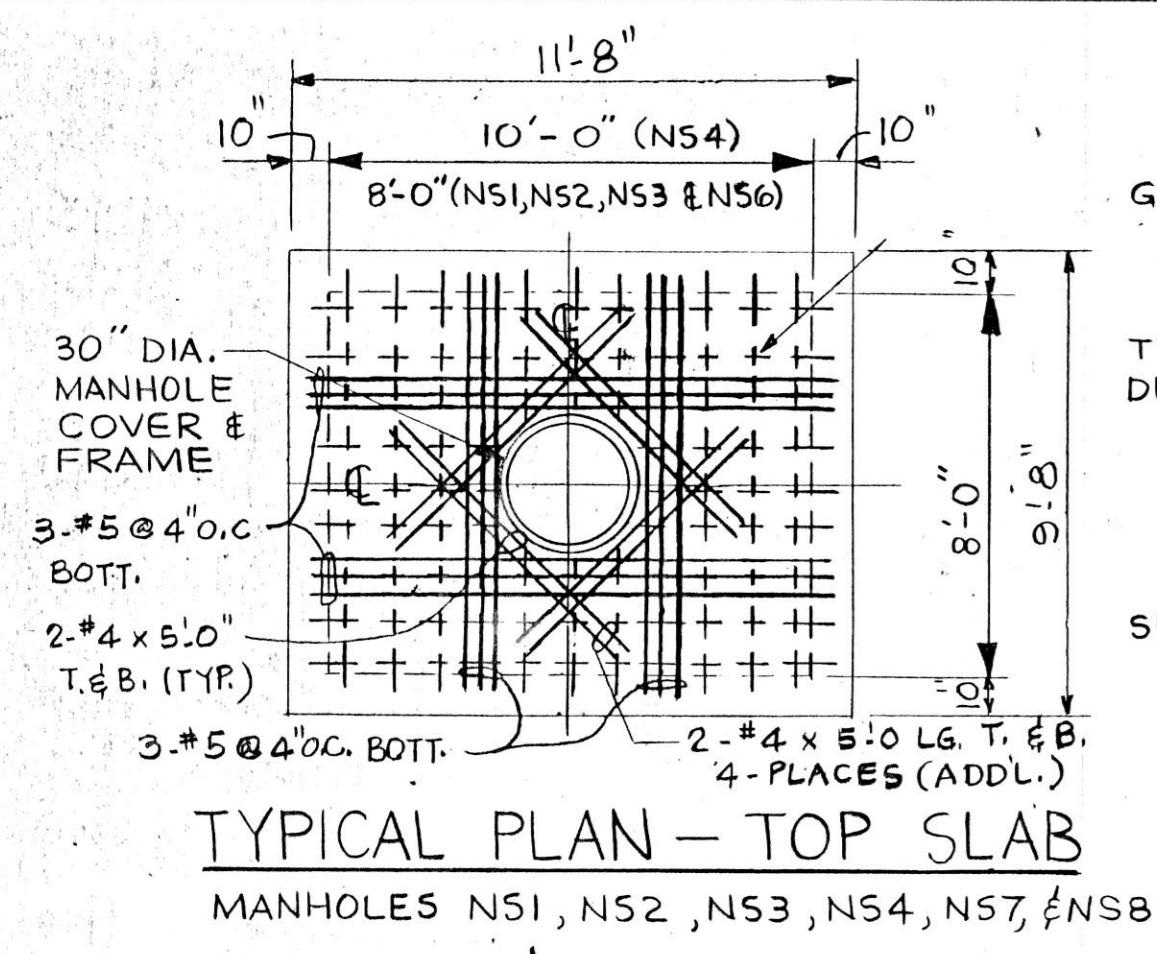
SITE & UTILITIES WORK

ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062  
PHASE B

DATE  
SEPTEMBER 10, 1984

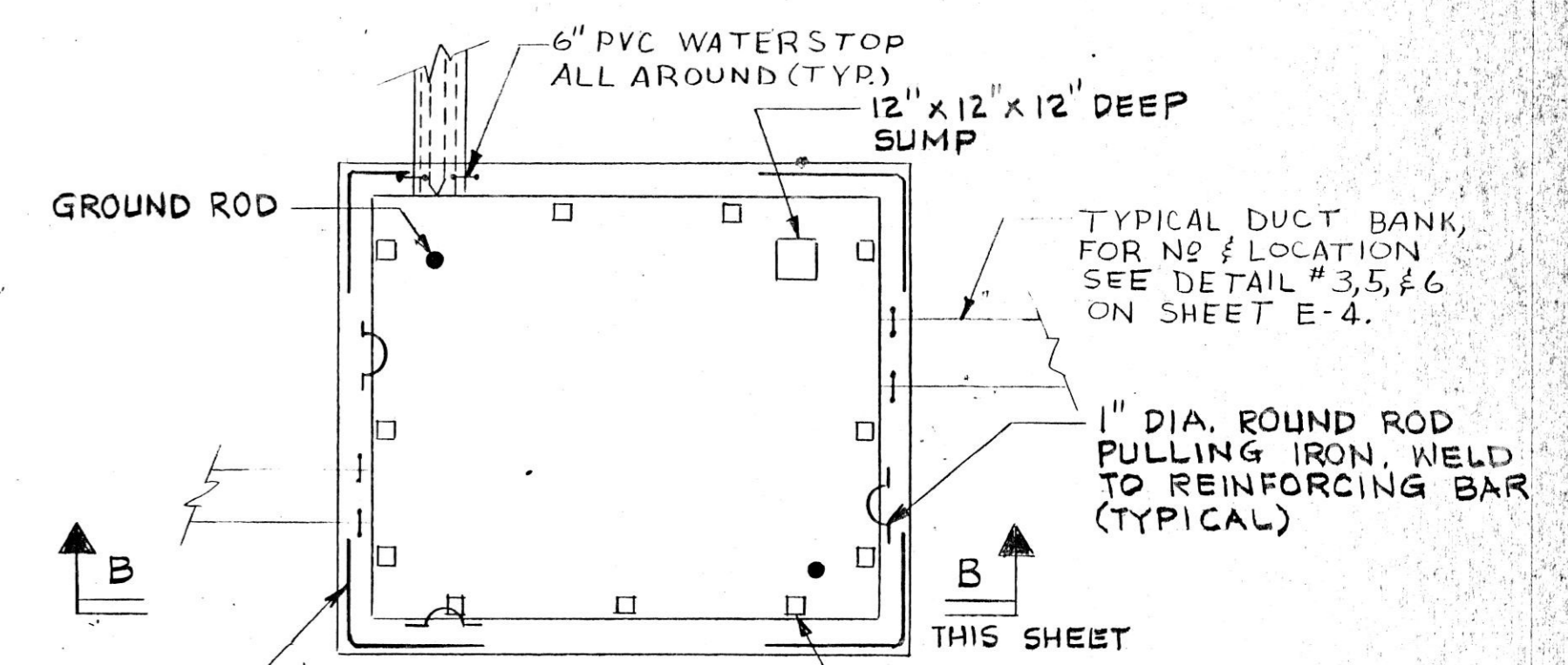
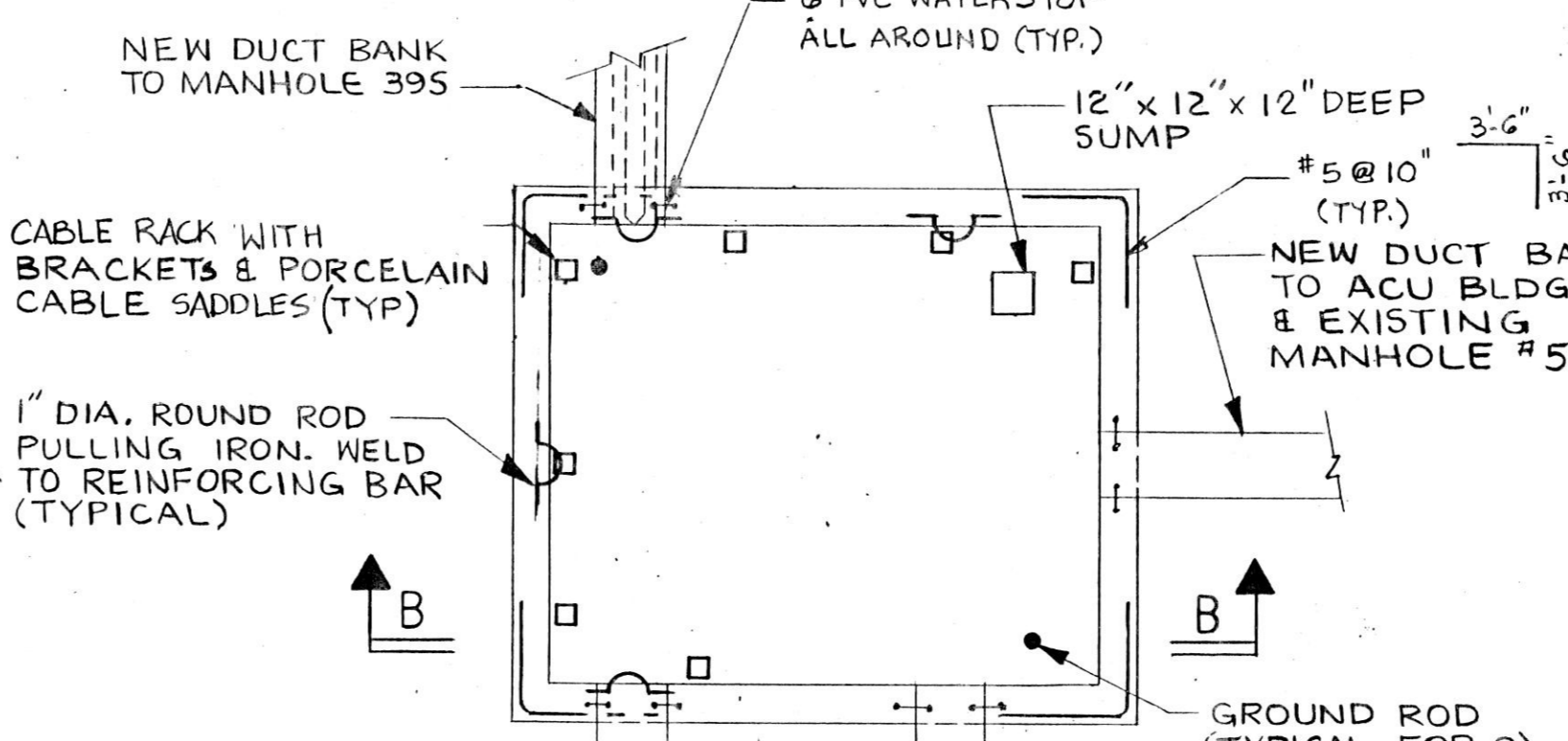
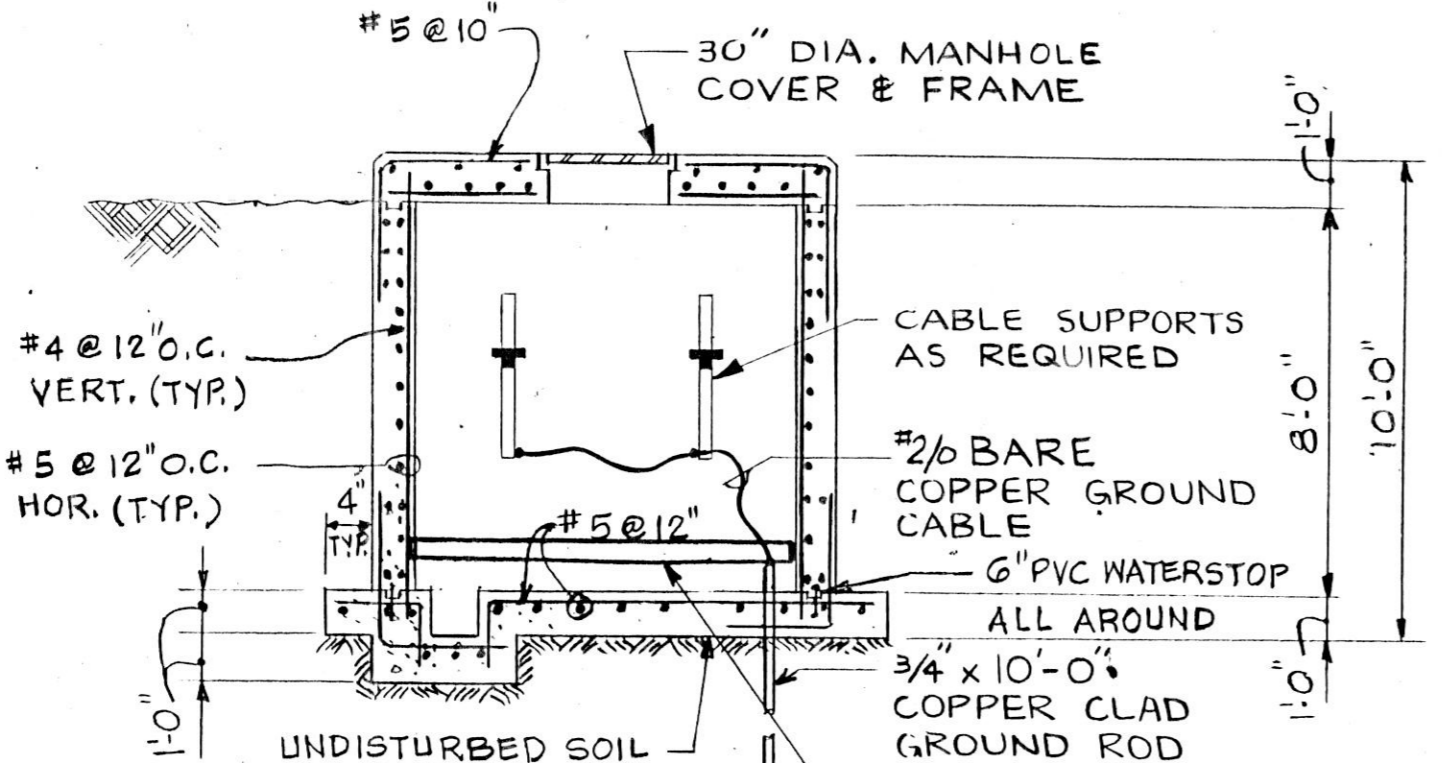
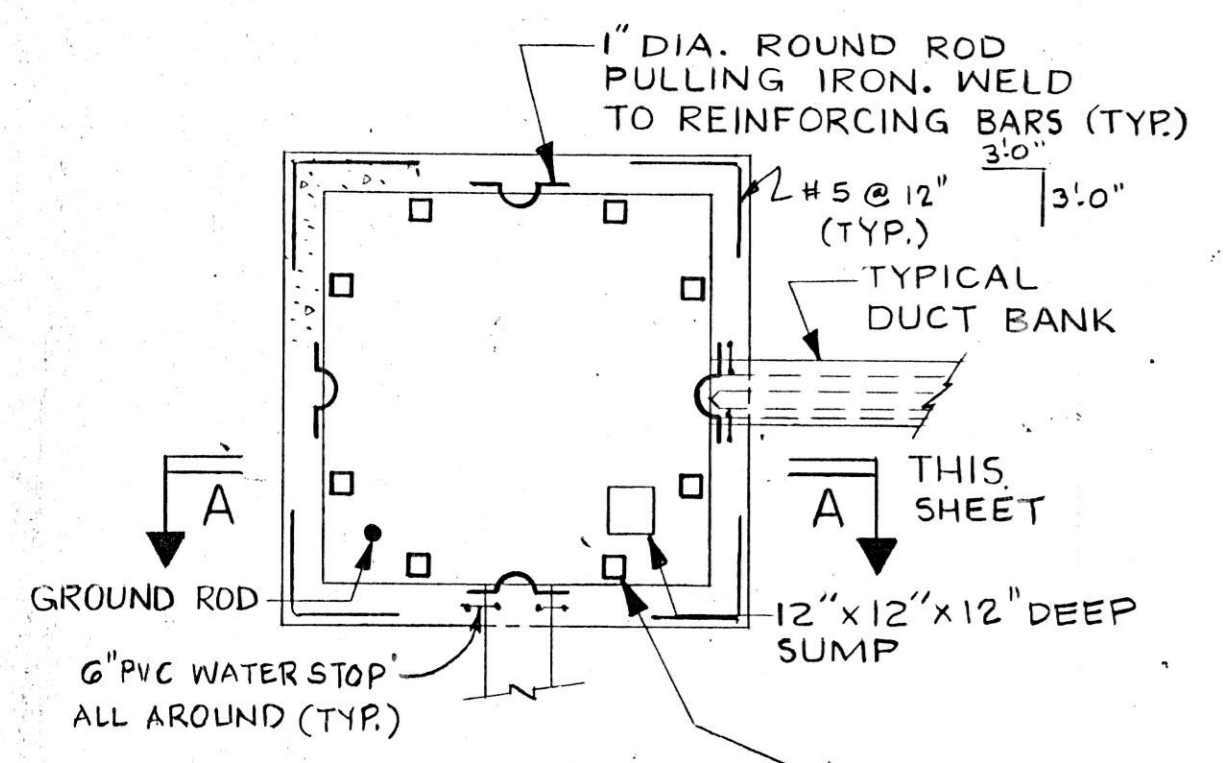
SHEET  
**E-4**  
OF 8 SHEETS



DETAIL #1  
NEW MANHOLES NS1, NS3, NS4, NS7, & NS8  
SHEET E-1, E-3

TYPICAL PLAN - TOP SLAB  
MANHOLE # NS5

SECTION B  
THIS SHEET

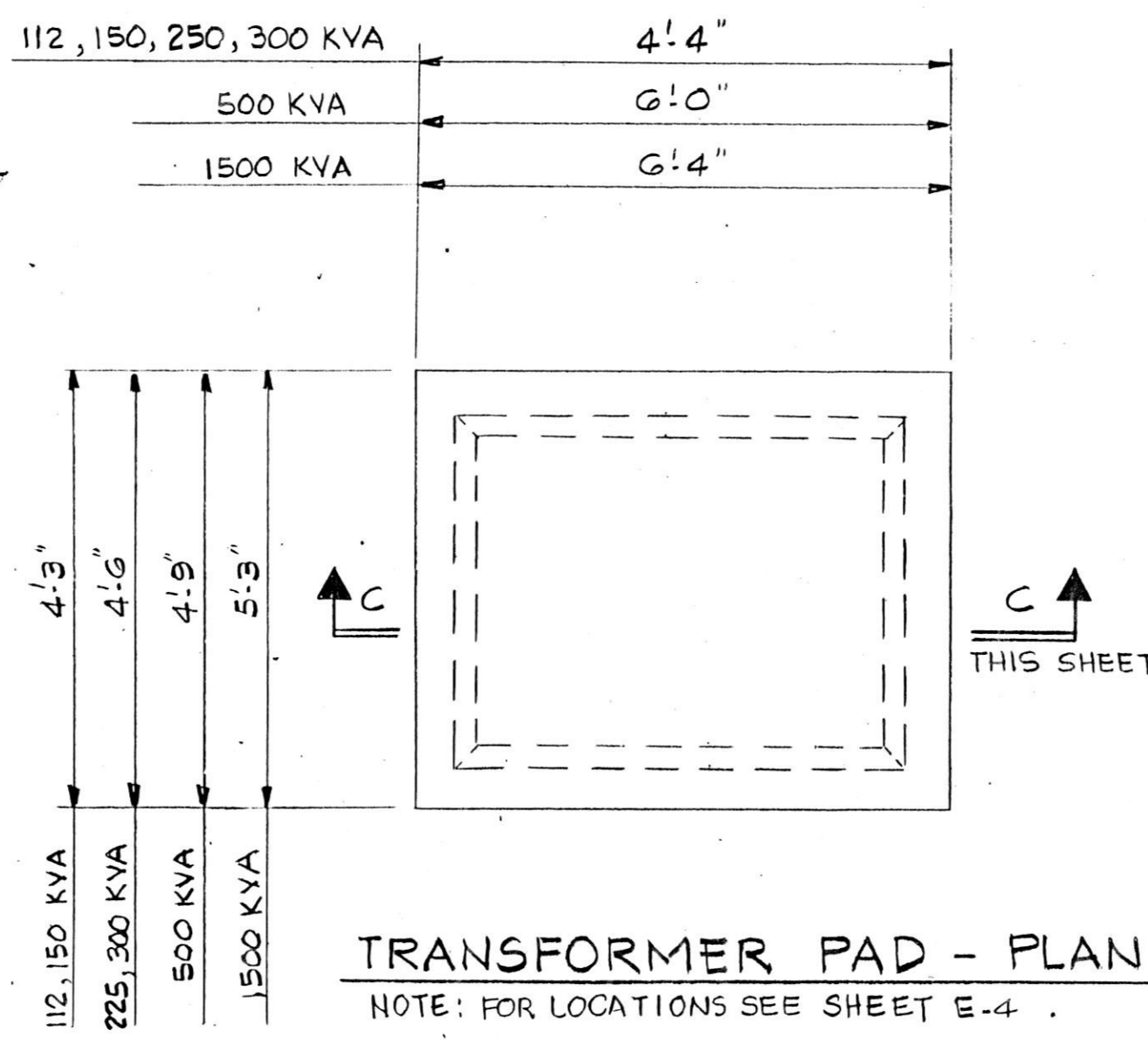
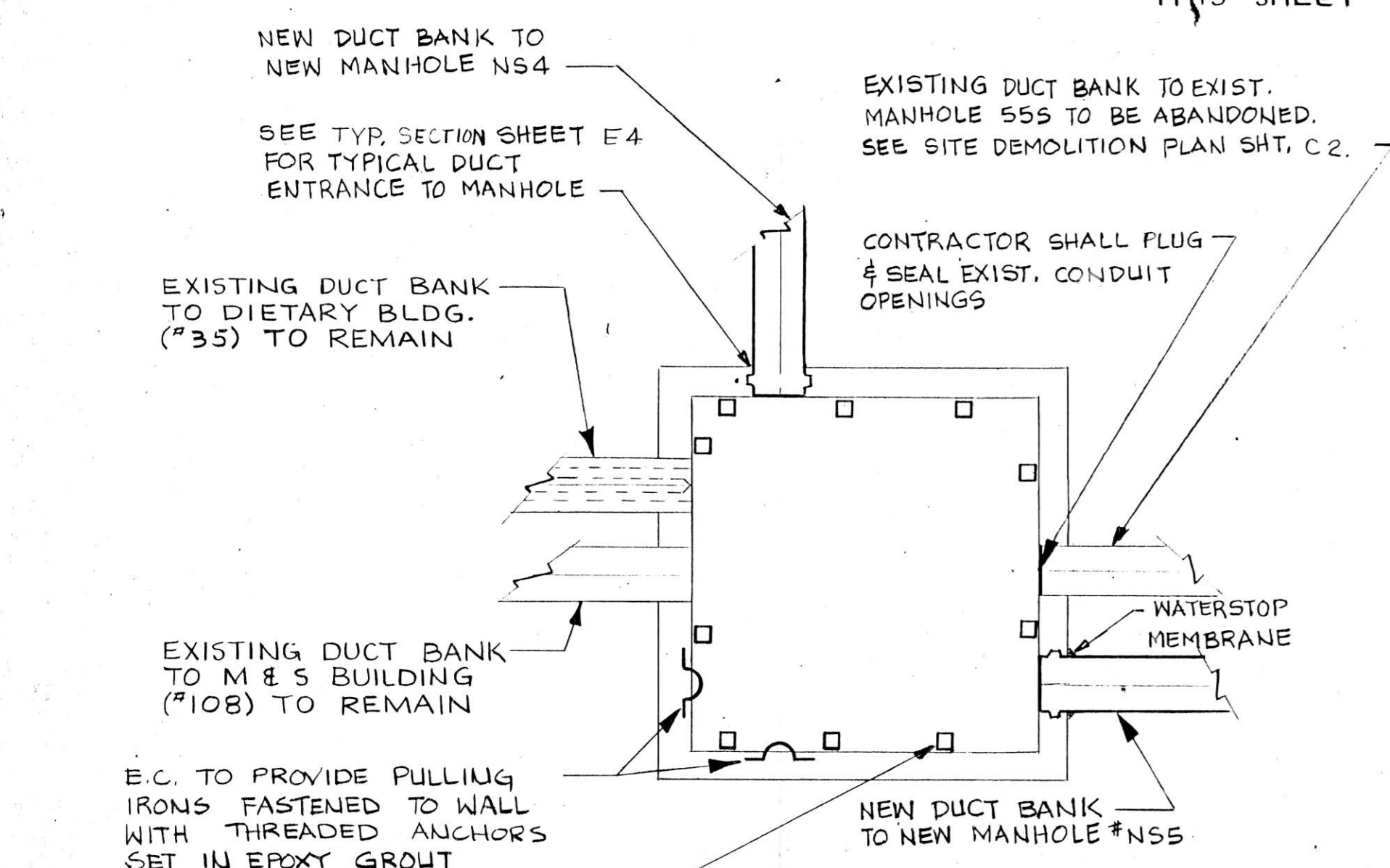


DETAIL #2  
NEW MANHOLE NS2  
SHEET E-1

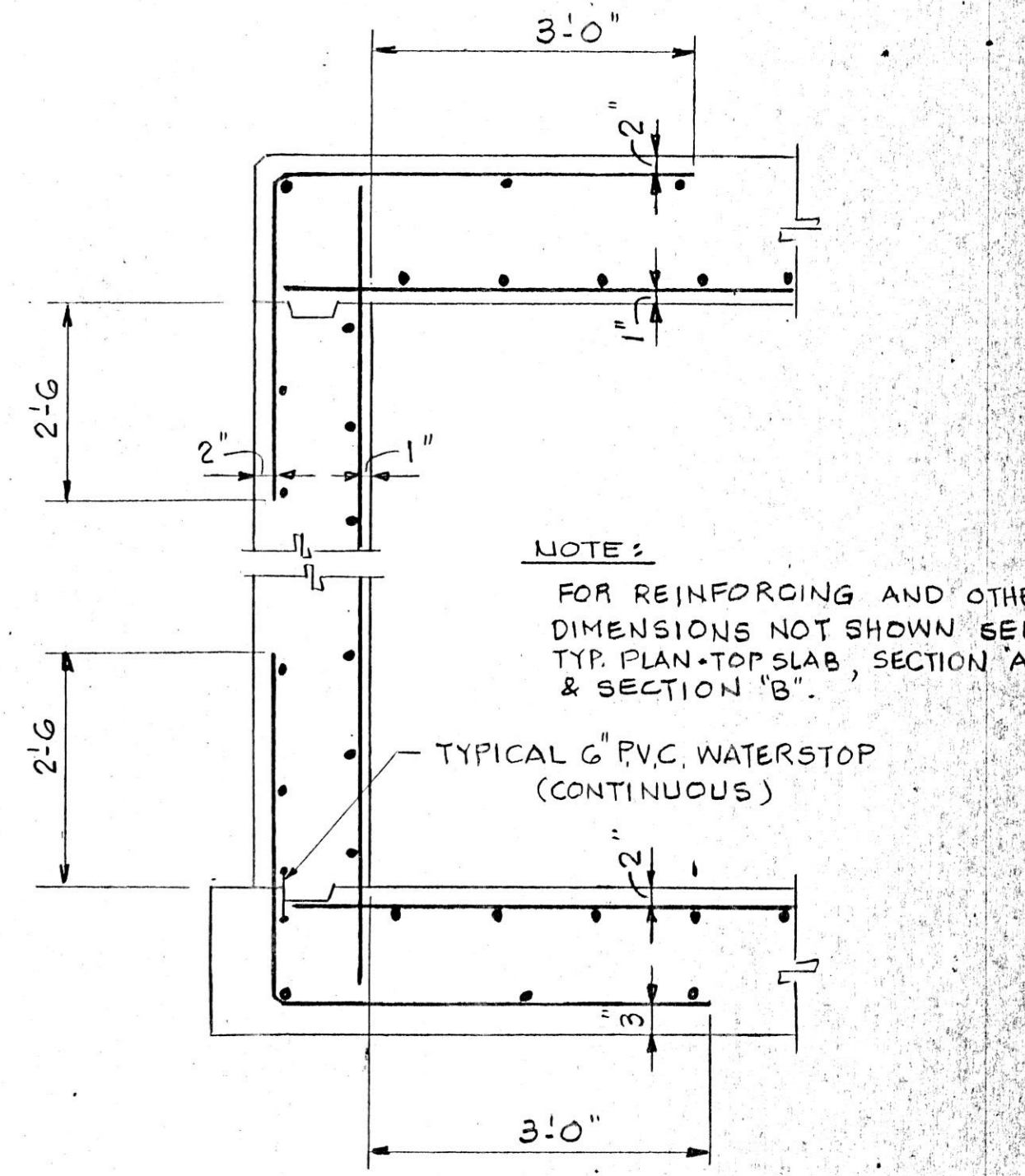
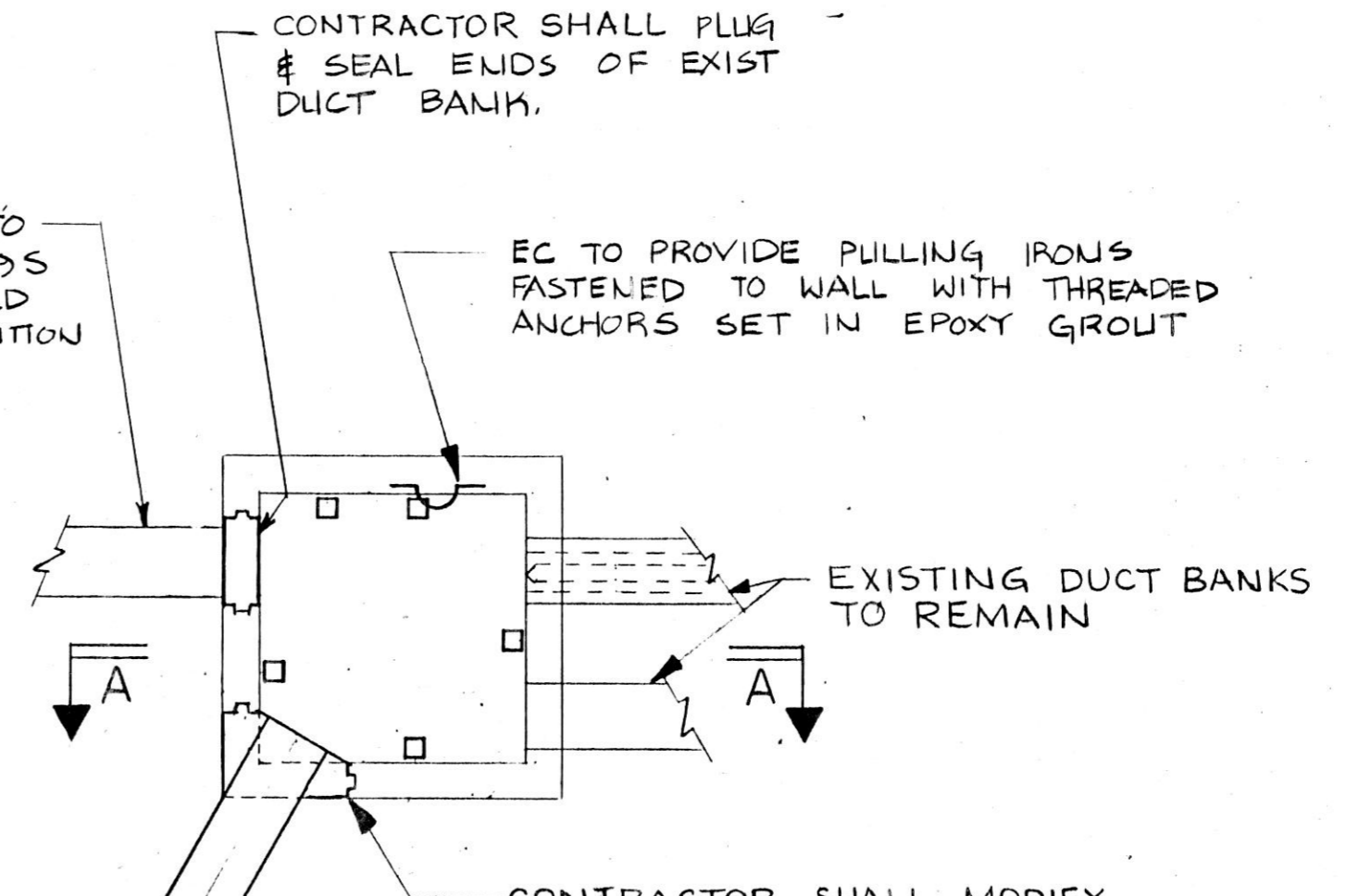
SECTION "A"  
THIS SHEET

DETAIL #3  
NEW MANHOLE NS5  
SHEET E-2

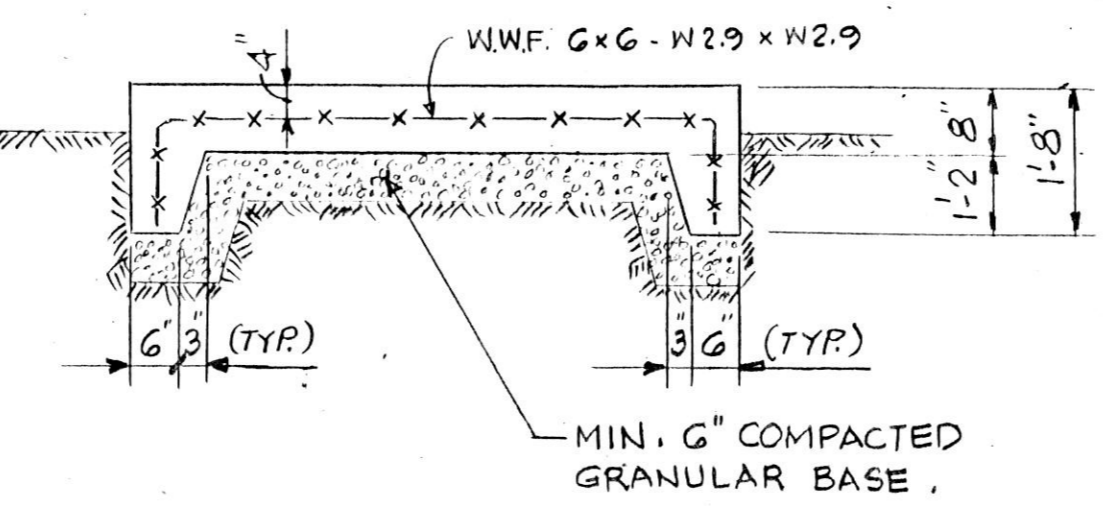
DETAIL #4  
NS6, NS9, NS10  
SHEET E-2, E-3



DETAIL #3  
NEW MANHOLE NS5  
SHEET E-2



DETAIL #5  
M & S BUILDING MANHOLE #395 (EXISTING)



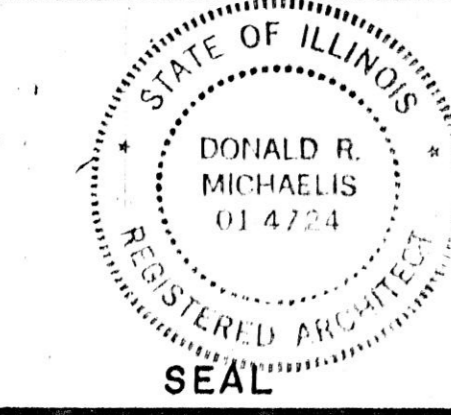
SECTION C-C

DETAIL #6  
MANHOLE 555 (EXISTING)

TYPICAL DETAIL FOR NEW MANHOLE  
NTS

SCALE: 1/4" = 1'-0"

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			CHECKED	APP'D.
			RSS	RSS



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Chicago, Illinois 60601  
312/346-8131

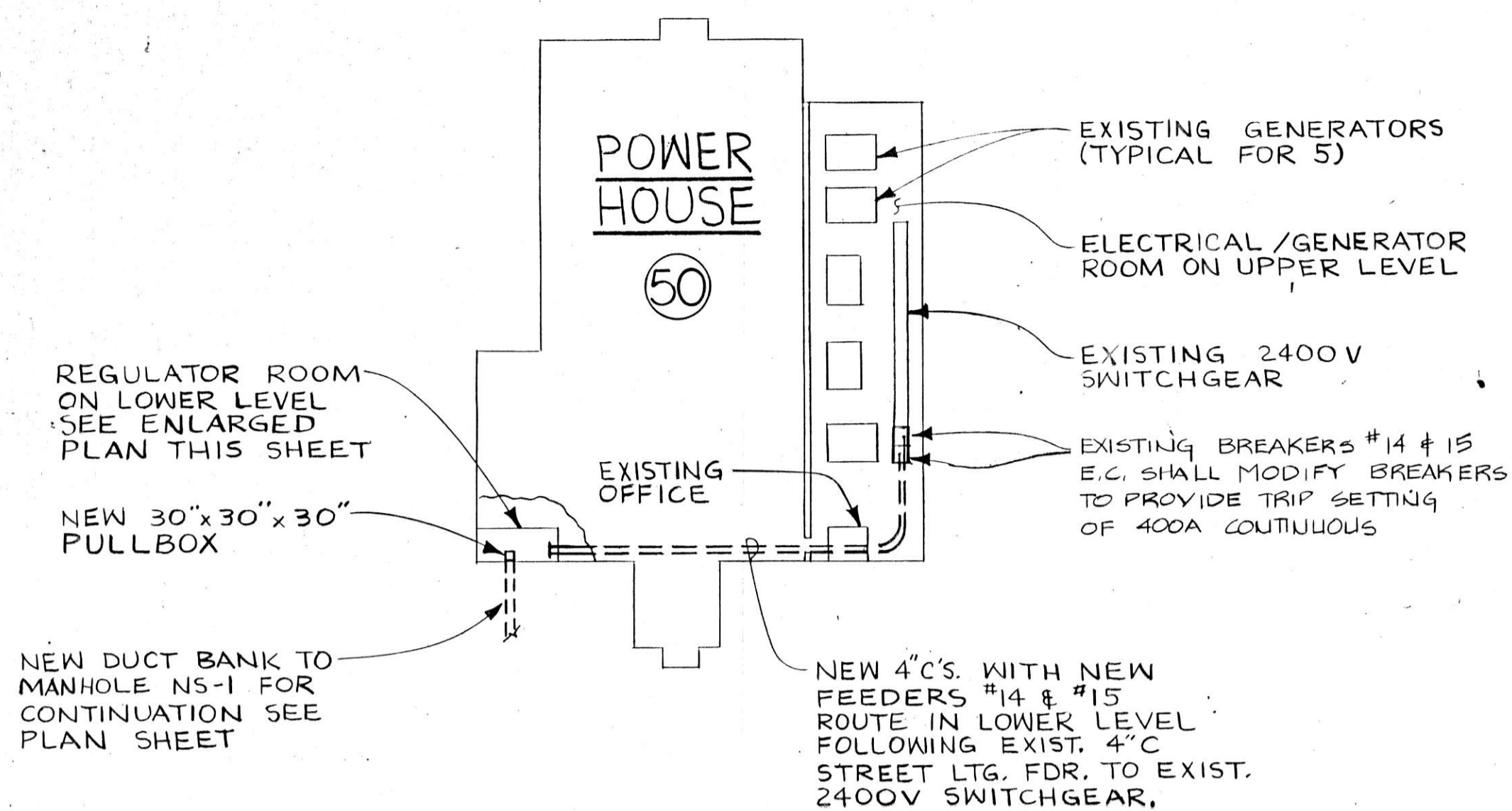
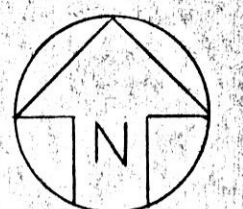
PROJECT NUMBER **959**

APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

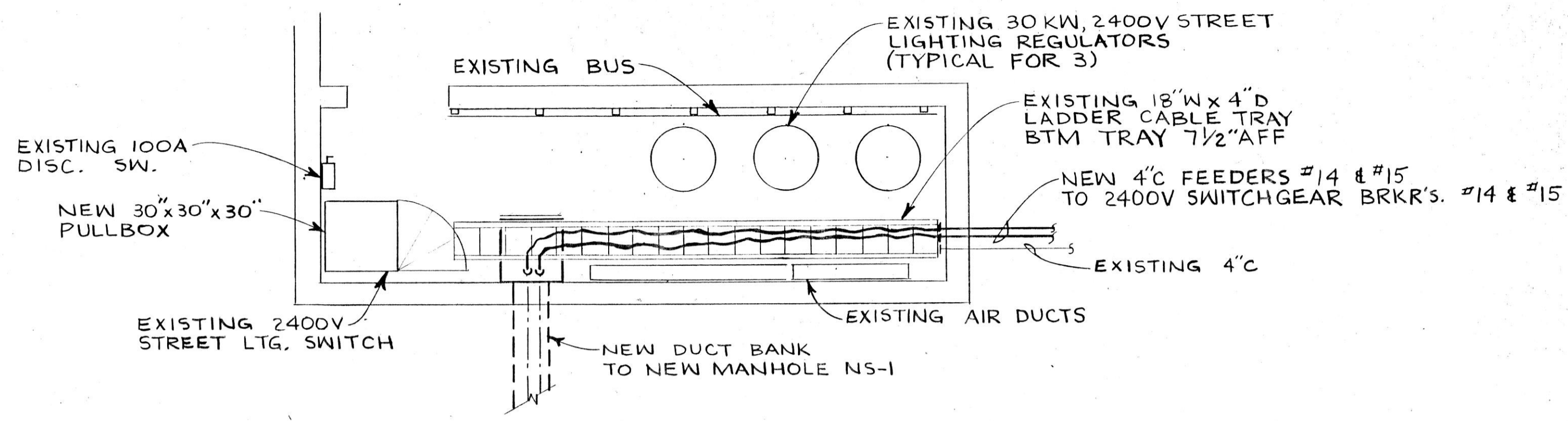
**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

MANHOLE DETAILS  
SITE & UTILITIES WORK  
ELGIN MENTAL HEALTH CENTER  
KANAWA COUNTY - ELGIN, ILLINOIS

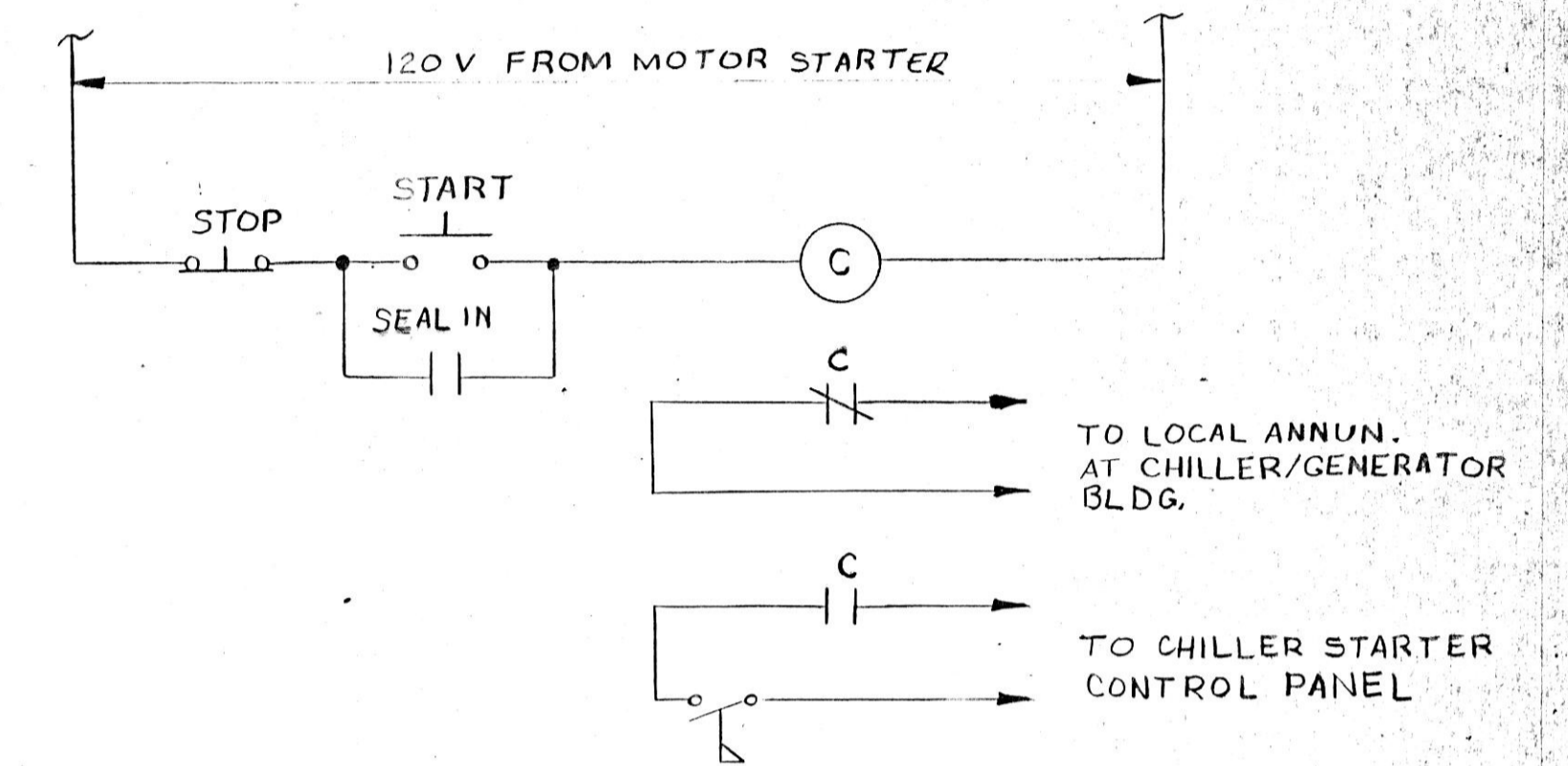
CDB 321-155-062  
PHA E B  
DATE  
SEPTEMBER 10, 1984  
SHEET  
**E-5**  
OF 8 SHEETS



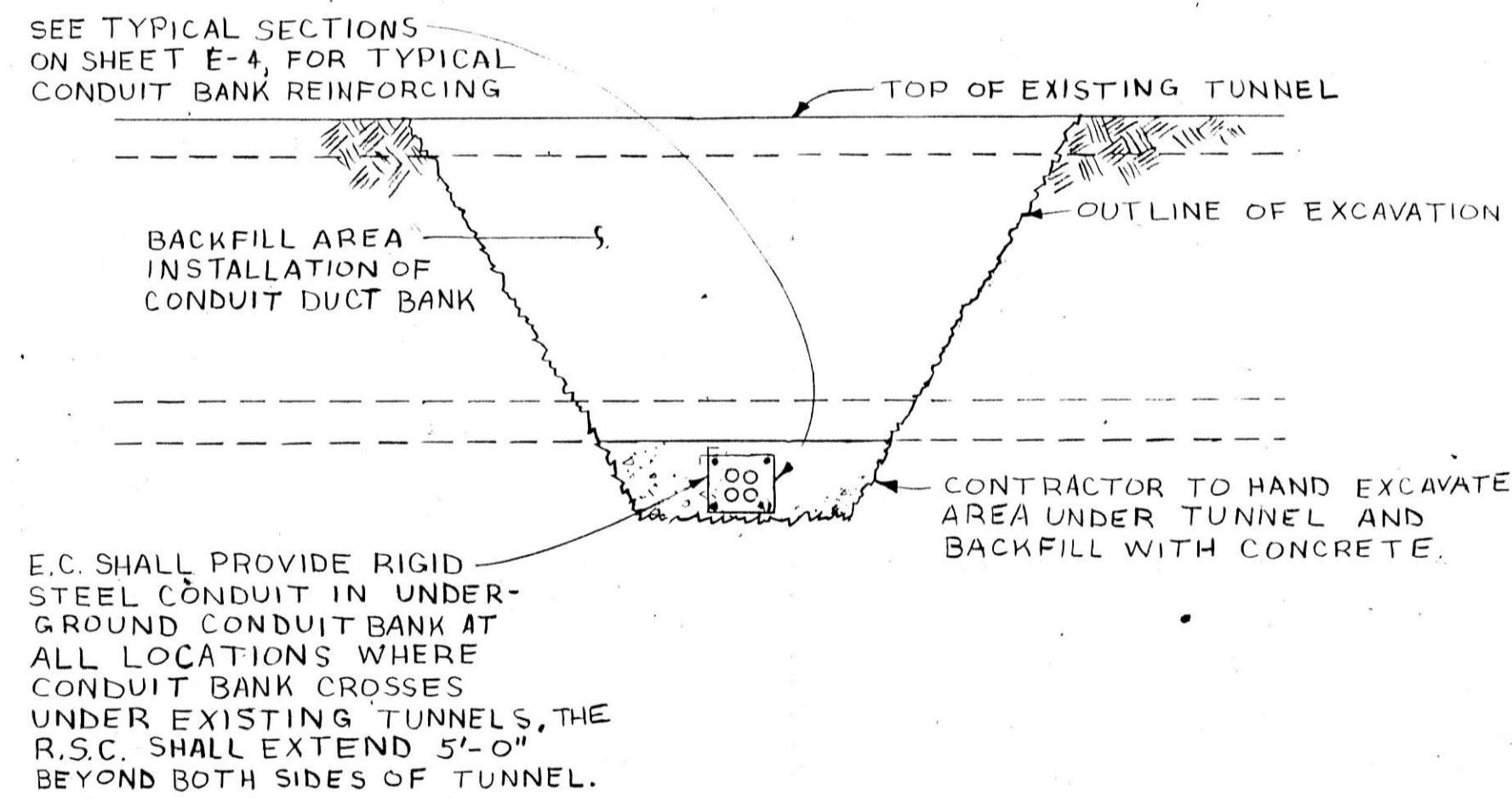
**POWERHOUSE PLAN**  
N.T.S.



**REGULATOR ROOM - ENLARGED PLAN**  
POWERHOUSE SCALE: 1/4" = 1'-0"

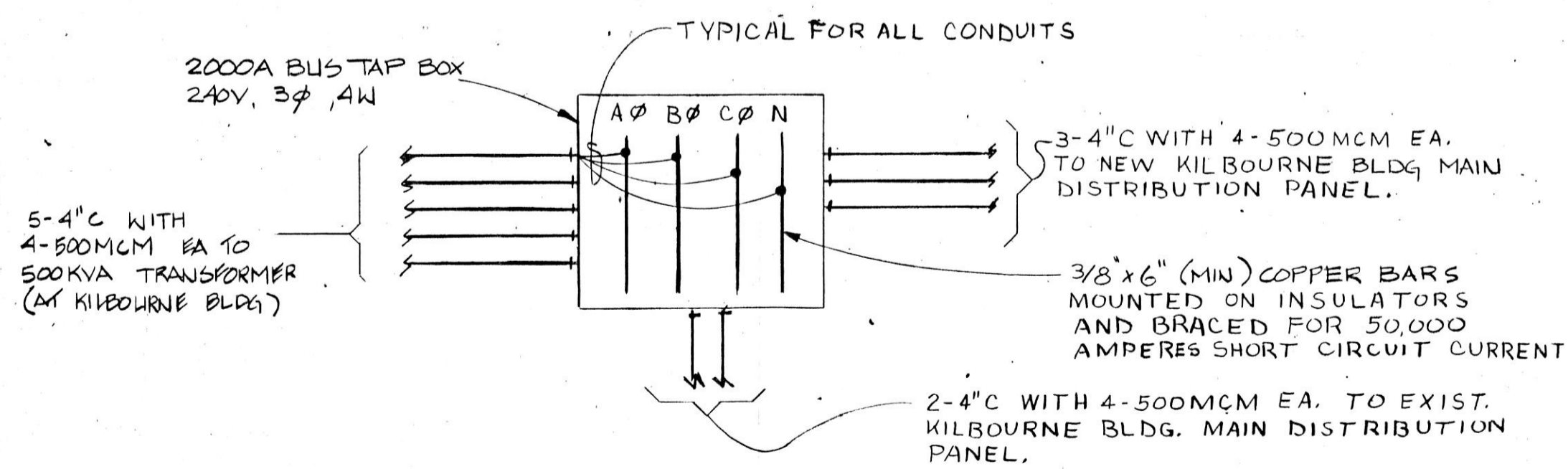


**CHILLED WATER PUMP CONTROL SCHEMATIC**  
CHILLER/GENERATOR BLDG.

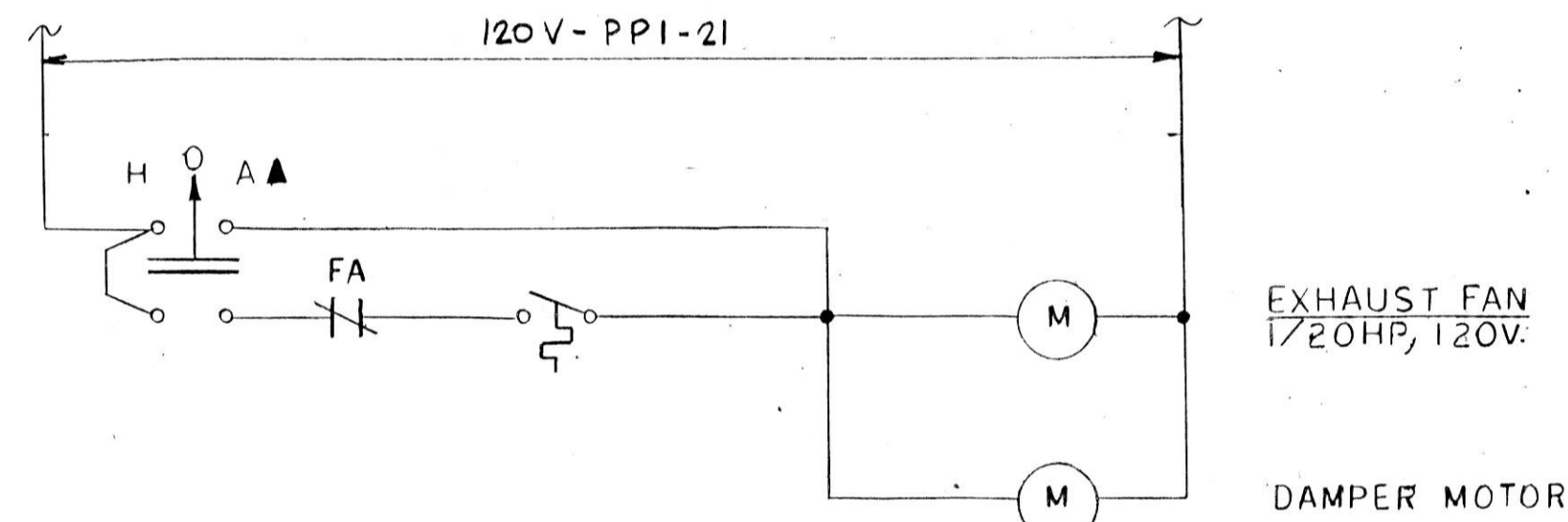


**DETAIL #1**

TYPICAL CONDUIT BANK/TUNNEL CROSSING  
SCALE: 1/4" = 1'-0"  
SHT E1, E2

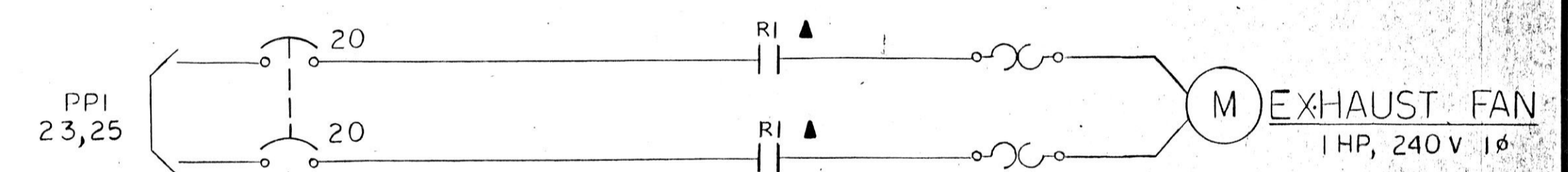


**DETAIL #2**



**PUMP ROOM AIR HANDLING SCHEMATIC**  
CHILLER/GENERATOR BLDG.

▲ E.C. TO PROVIDE IN J.I.C CONTROL BOX

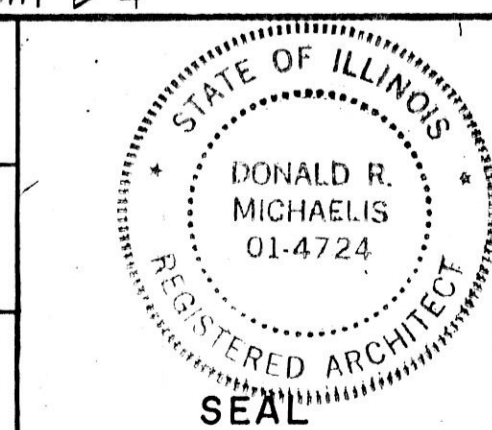


**GENERATOR ROOM - AIR HANDLING SCHEMATIC**  
CHILLER/GENERATOR BLDG.

▲ E.C. TO PROVIDE IN J.I.C CONTROL BOX

REVISIONS		
NO.	DATE	REMARKS

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TRACED	APP'D.
CHECKED R55	APP'D. R55



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180 North Wabash Ave.  
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PROJECT NUMBER **959**

APPROVED: *Donald R. Michaelis*

DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724



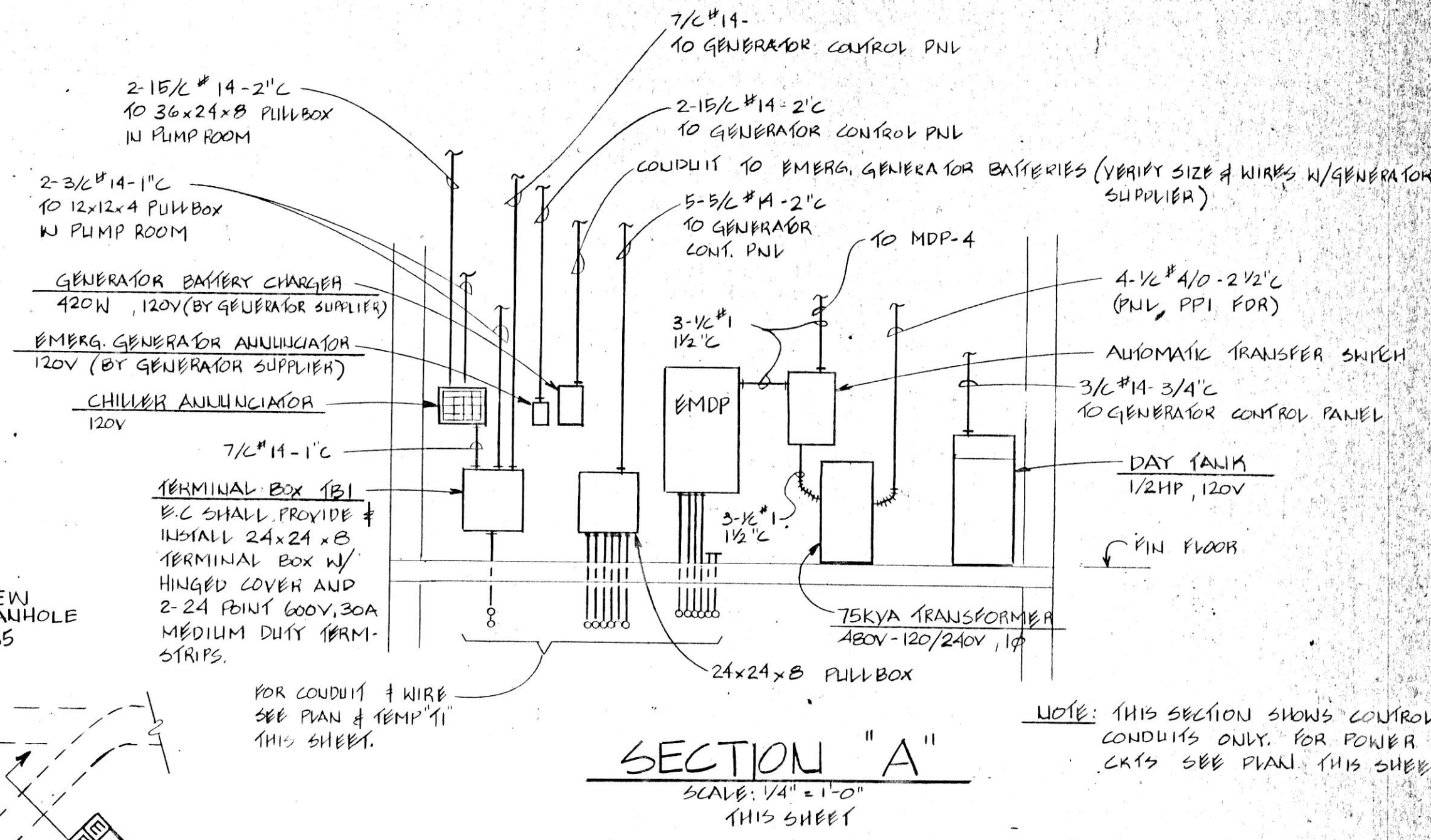
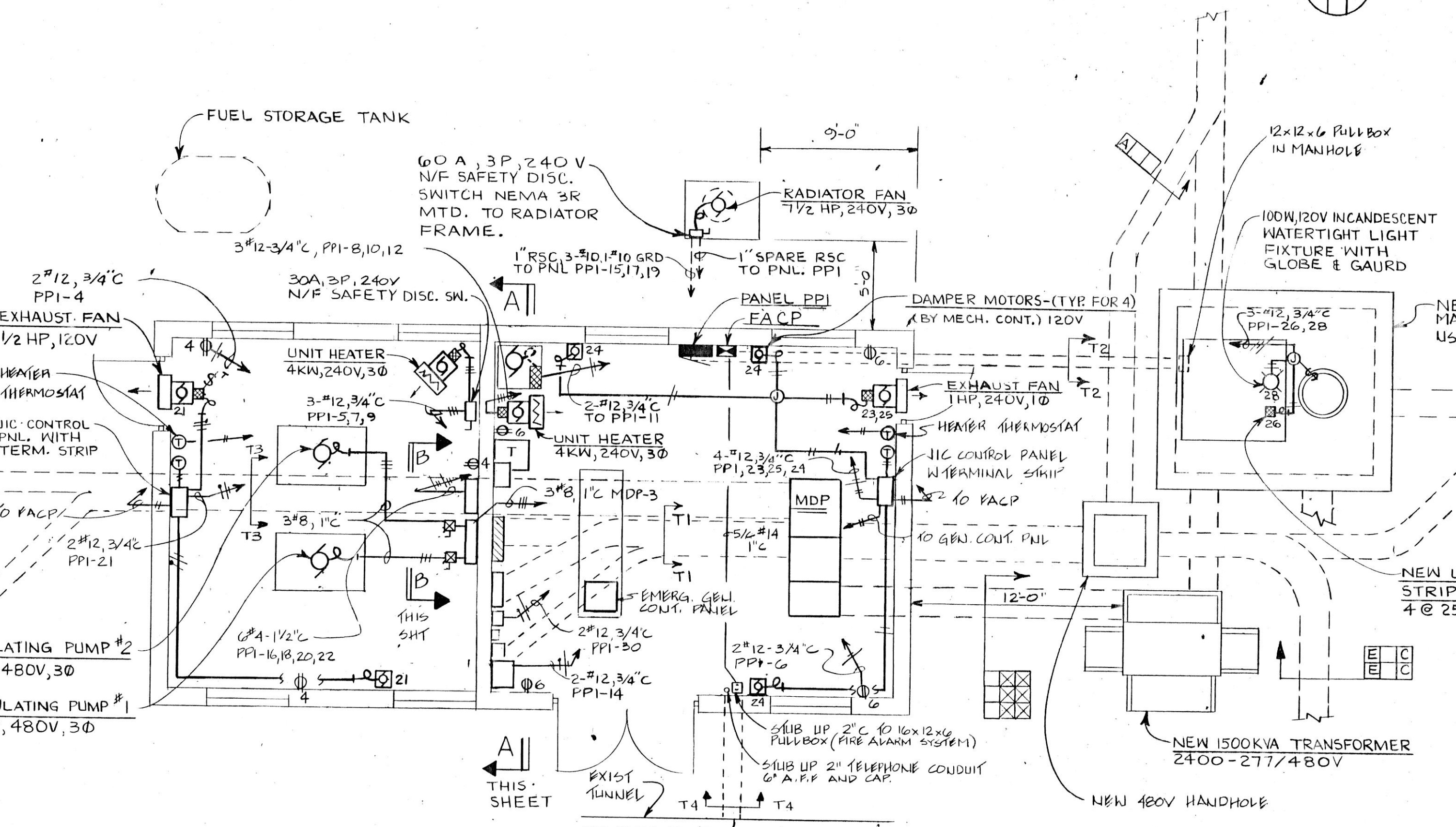
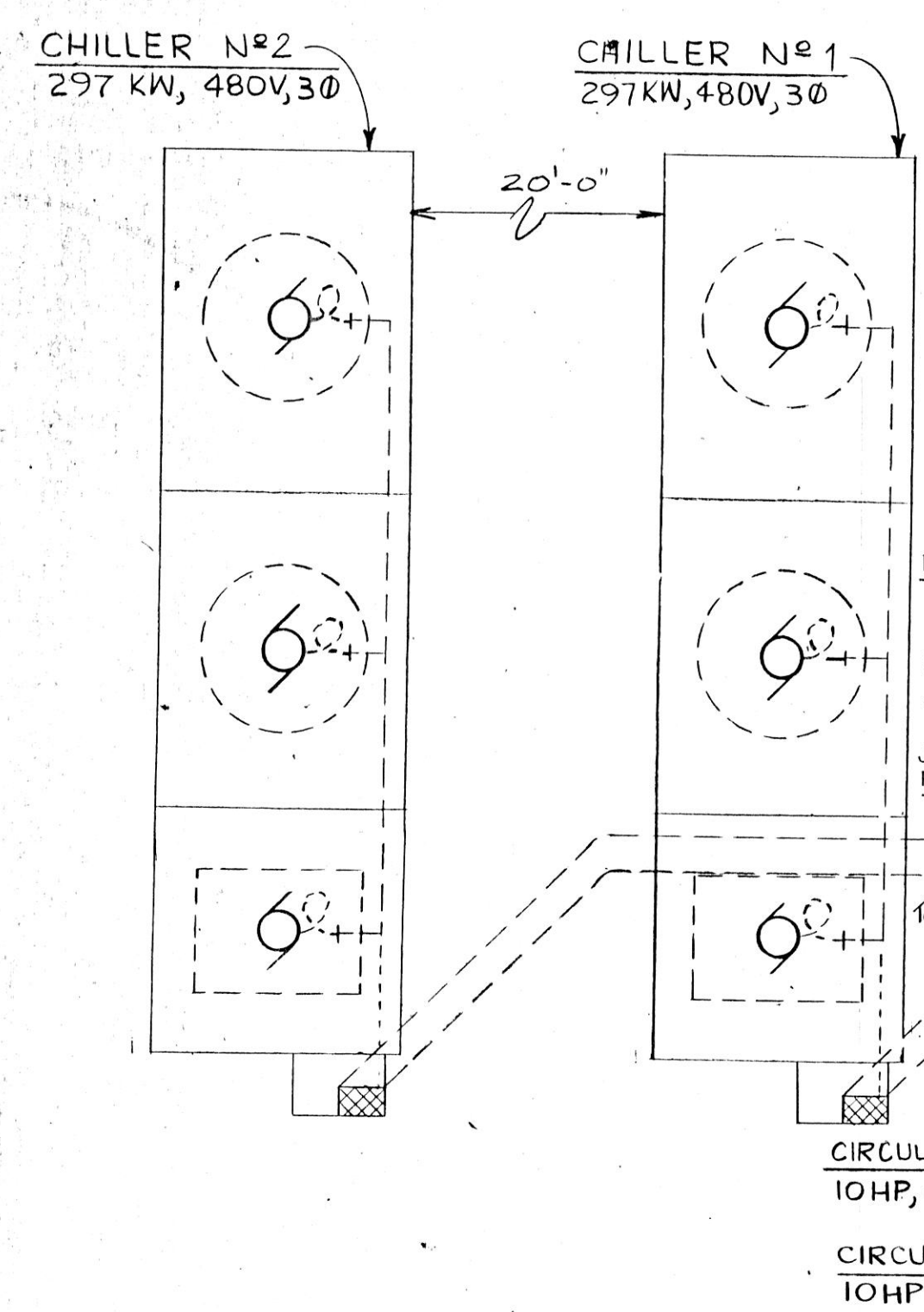
**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

MISCELLANEOUS PLANS, SECTIONS AND DETAILS

SITE & UTILITIES WORK

ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062 PHASE 'B'
DATE SEPTEMBER 10, 1984
SHEET <b>E-6</b> OF 8 SHEETS



**PANEL PPI**

CRT BKRS: 14-20A, 1P ACTIVE 1,2,3,4,6,11,14,21,24,26,28,30,32

5-20A, 1P SPARE 13,27,29,31,33,34

1-20A, 2P ACTIVE 23,25

2-20A, 3P ACTIVE 5,7,9,8,10,12

1-30A, 3P ACTIVE 15,17,19

2-70A, 2P ACTIVE 16,18,20,22

2-SPACES 35,36

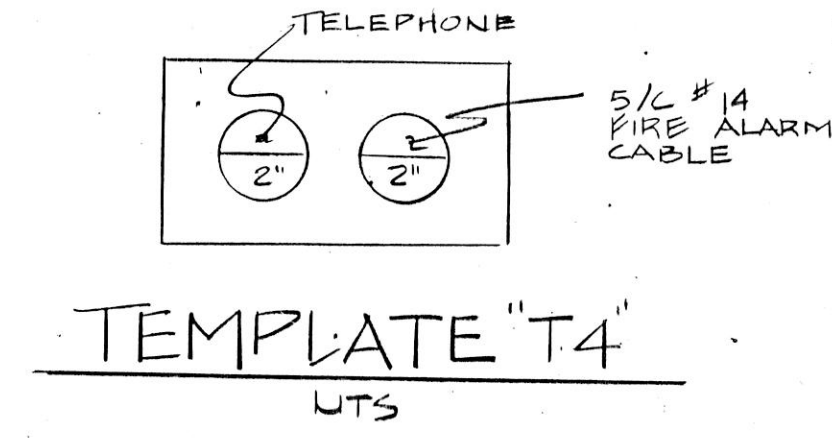
TOTAL POLES: 36

MAINS: 225A, 3P

MAIN BUS: 225A CU

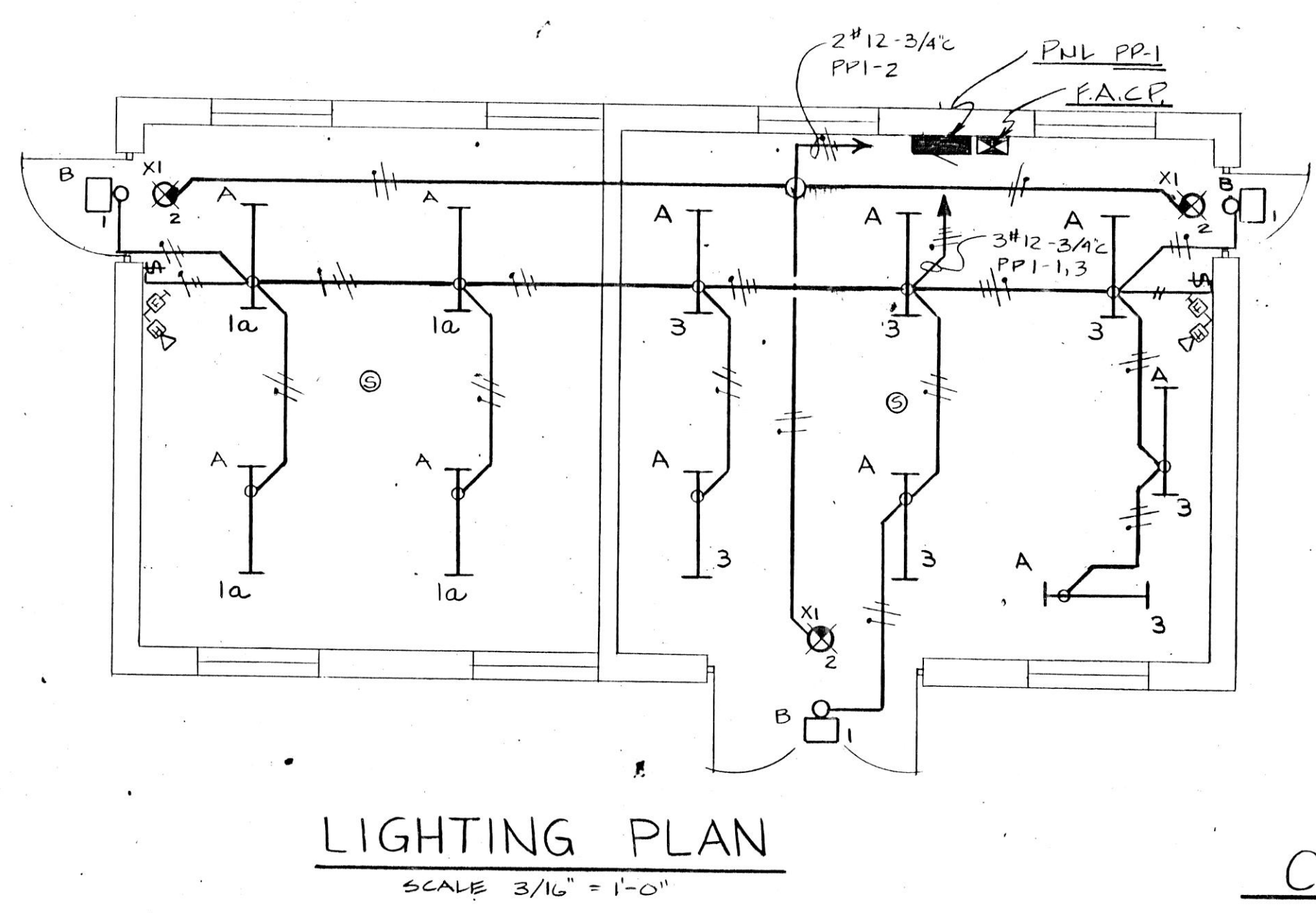
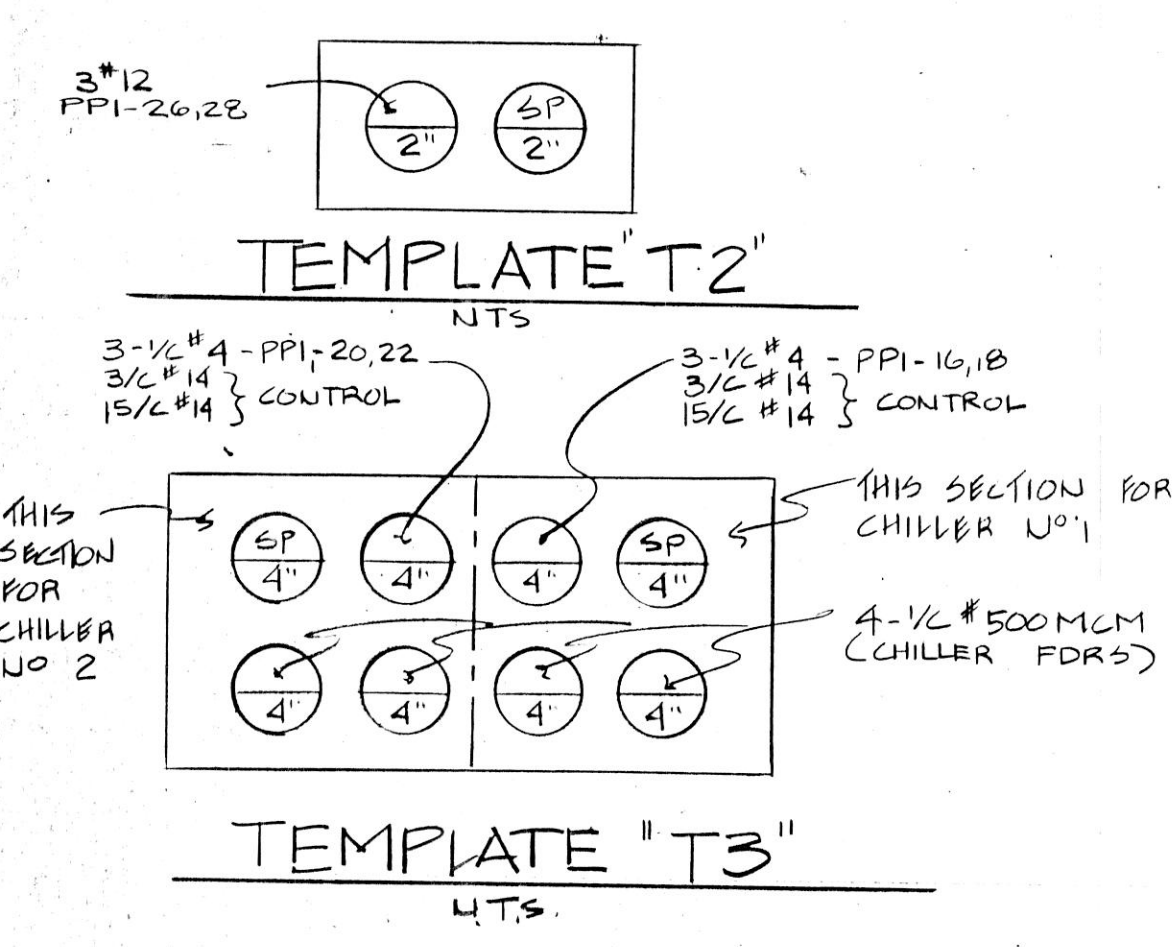
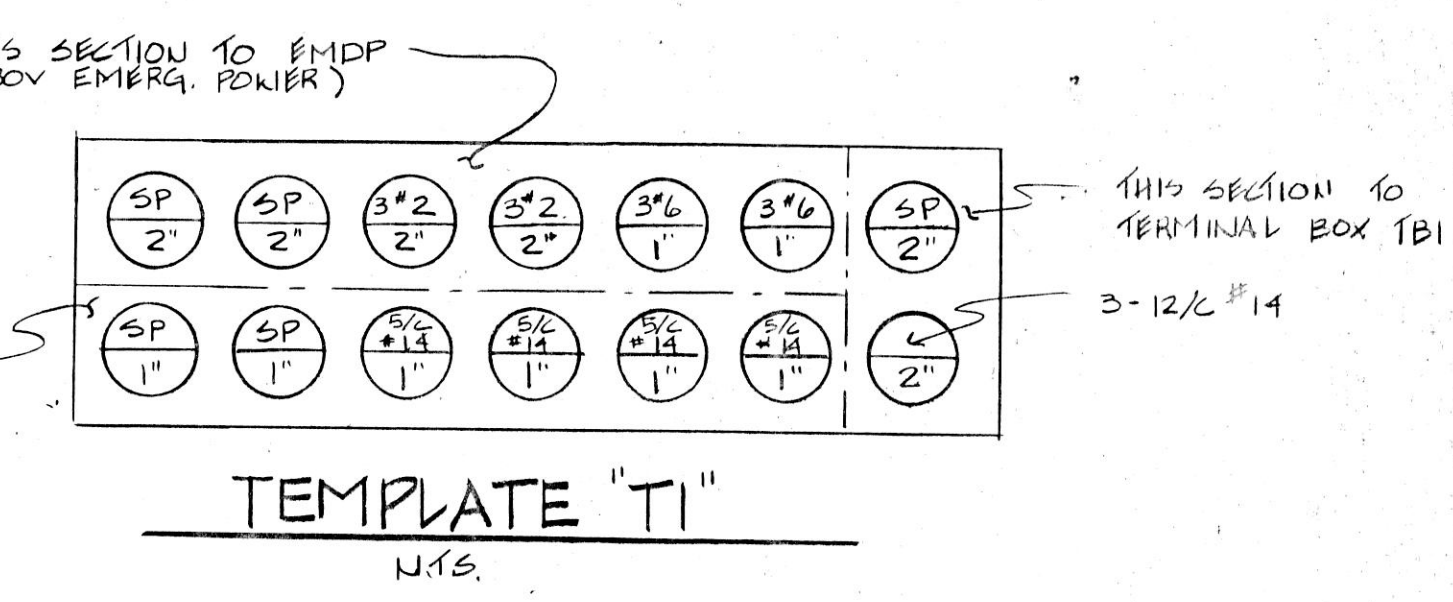
SYSTEM VOLTAGE: 120/240V, 3Ø 4W

MOUNTING: SURFACE



**POWER PLAN**  
SCALE: 3/16" = 1'-0"

ROUTE NEW 5/8" #14 (FIRE ALARM SYSTEM CABLE) TO EXIST FIRE ALARM SYSTEM TERMINAL BOX IN TUNNEL AND CONNECT TWO WIRES TO EXIST SPARE WIRES THAT ARE ROUTED TO EXIST FIRE ALARM PANEL LOCATED IN THE FIRE HOUSE. E.C. SHALL MAKE FINAL CONNECTIONS AFTER VERIFICATION WITH USING AGENCY FIRE AUTHORITY.



**CHILLER ANNUNCIATOR**  
LOCATED IN GENERATOR ROOM

HIGH OIL TEMP	HIGH COND. PRESS	LOW OIL PRESS	BLANK
HIGH MOTOR TEMP	STARTER FAULT	LOW REFRIG. TEMP	CIRC. PUMP FAILURE
HIGH OIL TEMP	HIGH COND. PRESS	LOW OIL PRESS	BLANK
HIGH MOTOR TEMP	STARTER FAULT	LOW REFRIG. TEMP	CIRC. PUMP FAILURE
BLANK	BLANK	BLANK	ACK TEST FLASH RESET
BLANK	BLANK	BLANK	ACK TEST FLASH RESET

POWER SUPPLY

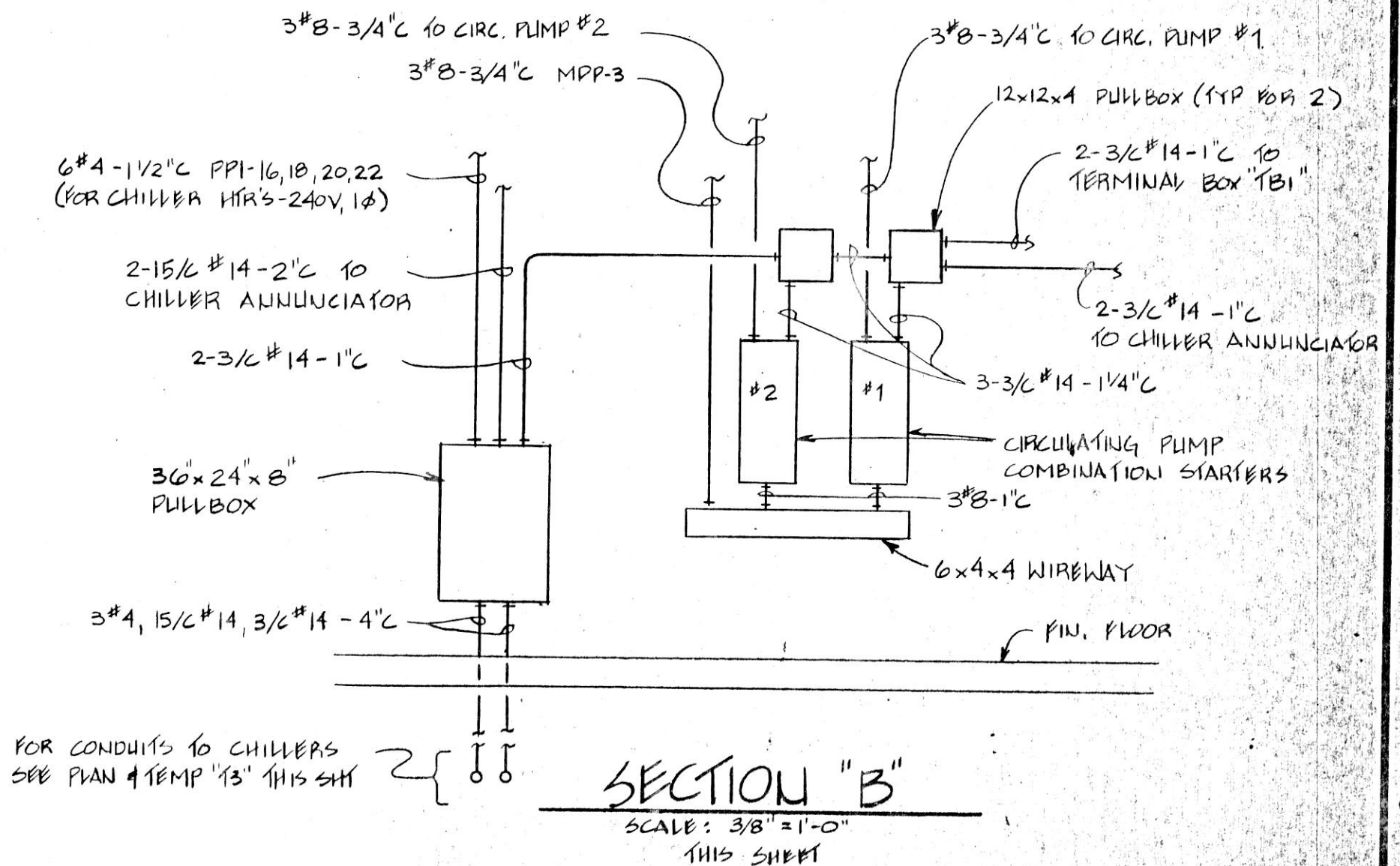
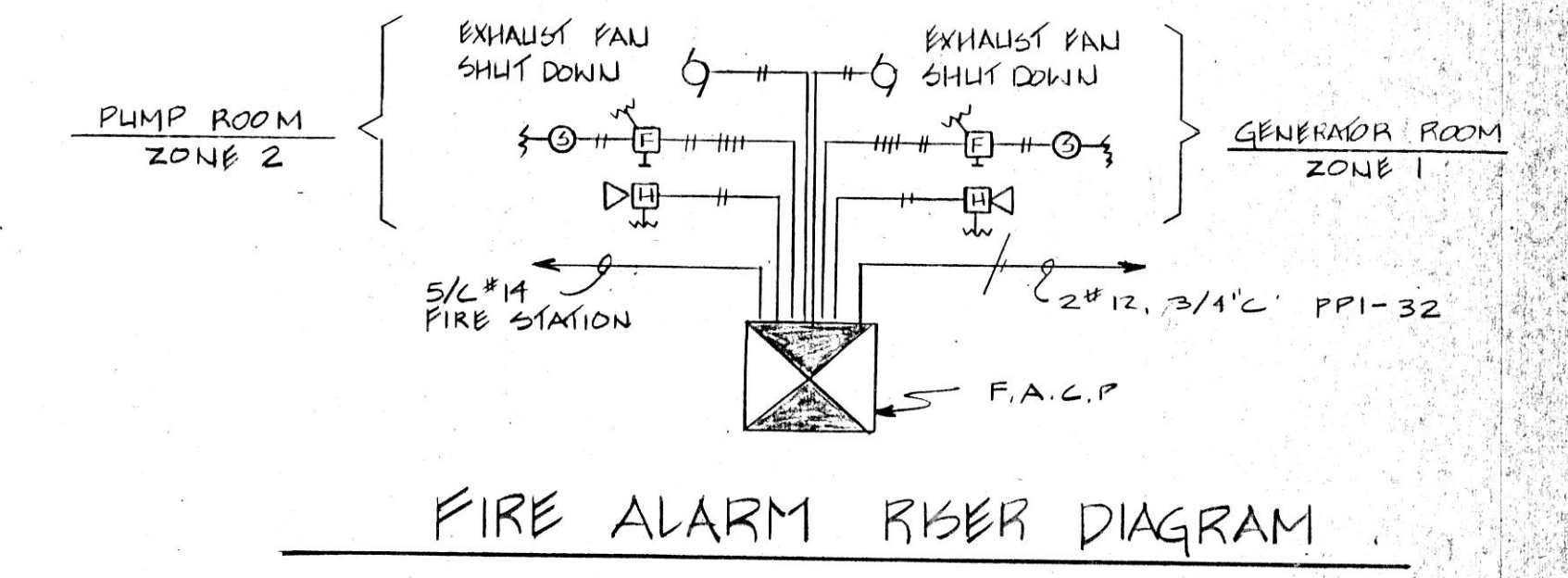
HORN & INTEGRAL FLASHER UNIT

**CHILLER-GENERATOR BLDG ANNUNCIATOR**  
LOCATED AT MHS BLDG SECURITY OFFICE

CHILLER FAULT	EM. GEN START	DAY TANK LO LEVEL	BLANK
CIRC. PUMP FAILURE	EM. GEN FAILURE	BLANK	ACK TEST FLASH RESET

POWER SUPPLY

HORN & INTEGRAL FLASHER UNIT



**REVISIONS**

NO.	DATE	REMARKS

**DRAWN**  
MJC

**APP'D.**  
TRACED

**APP'D.**  
R55

**APP'D.**  
R55

STATE OF ILLINOIS  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT  
01-4724  
SEAL

**HOH ARCHITECTS, INC.**  
180 North Wabash Ave  
Chicago, Illinois 60601  
312/346-8131

PROJECT NUMBER  
**959**

APPROVED:  
*Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

**CHILLER - GENERATOR BUILDING PLAN, SECTIONS AND DETAILS**

**SITE & UTILITIES WORK**

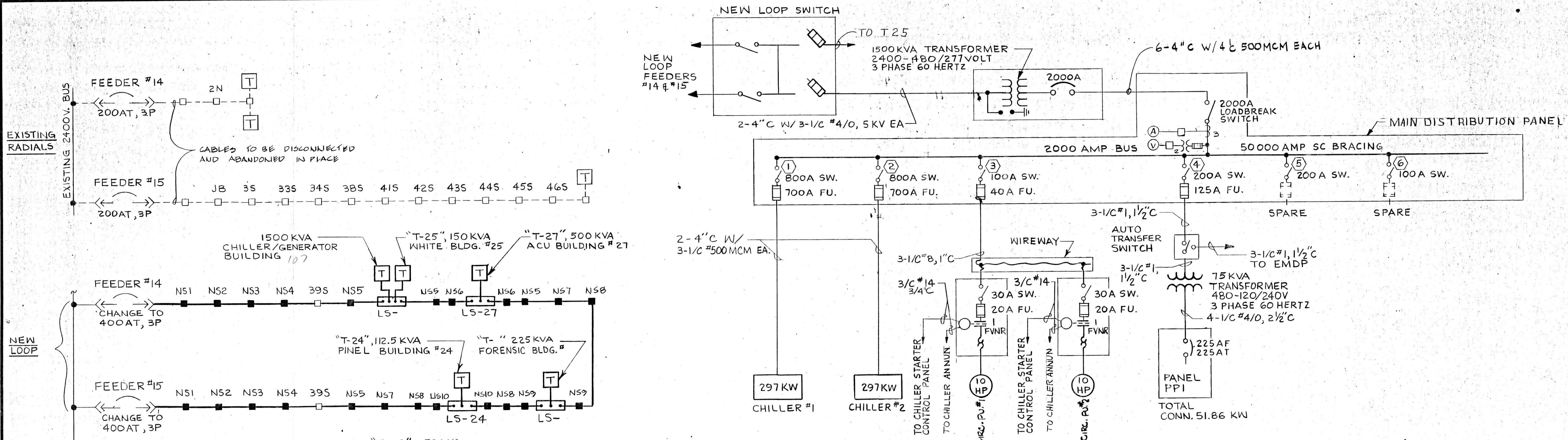
ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-053-062  
PHASE B

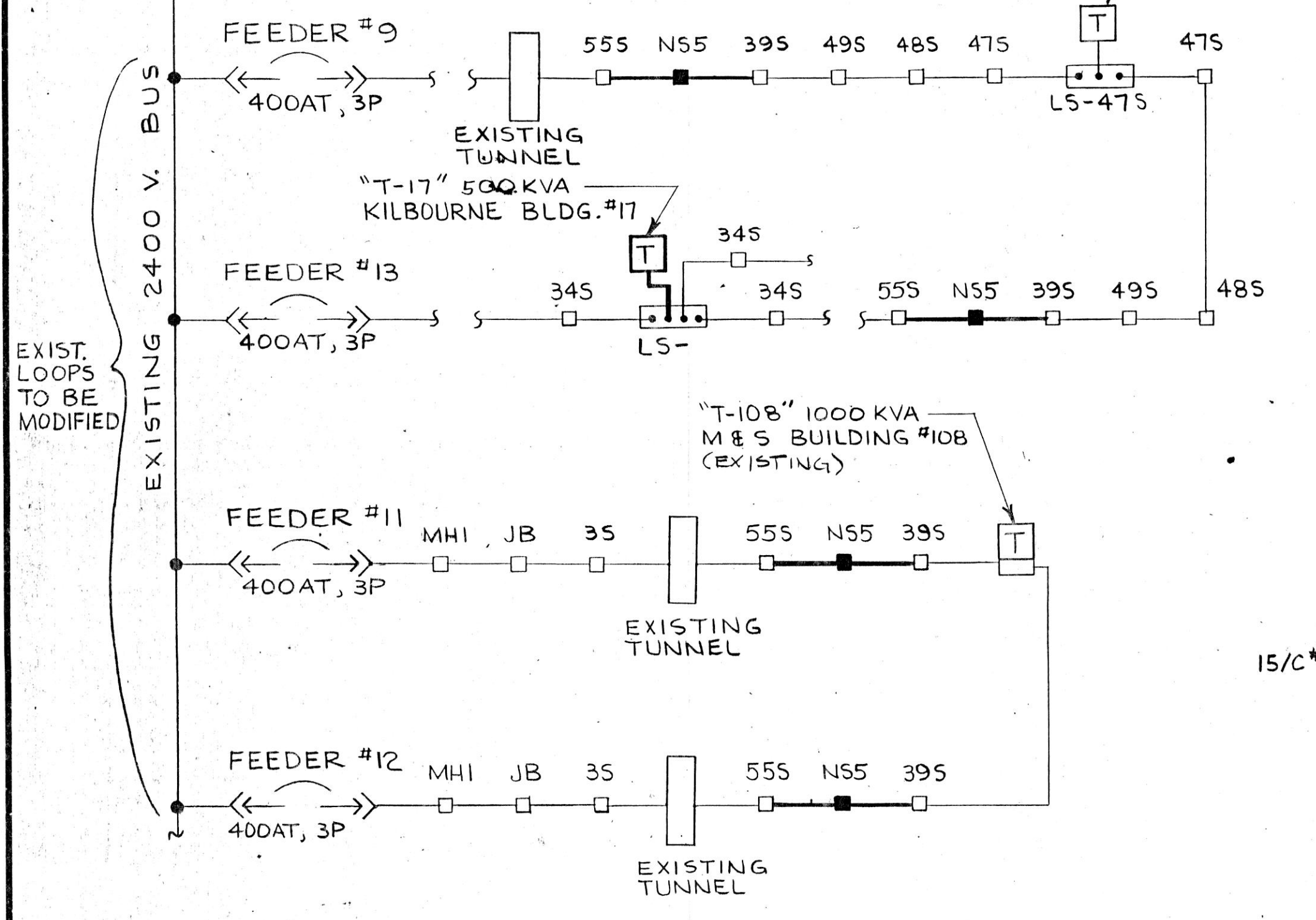
DATE  
SEPTEMBER 10, 1984

SHEET  
**E-7**  
OF 8 SHEET

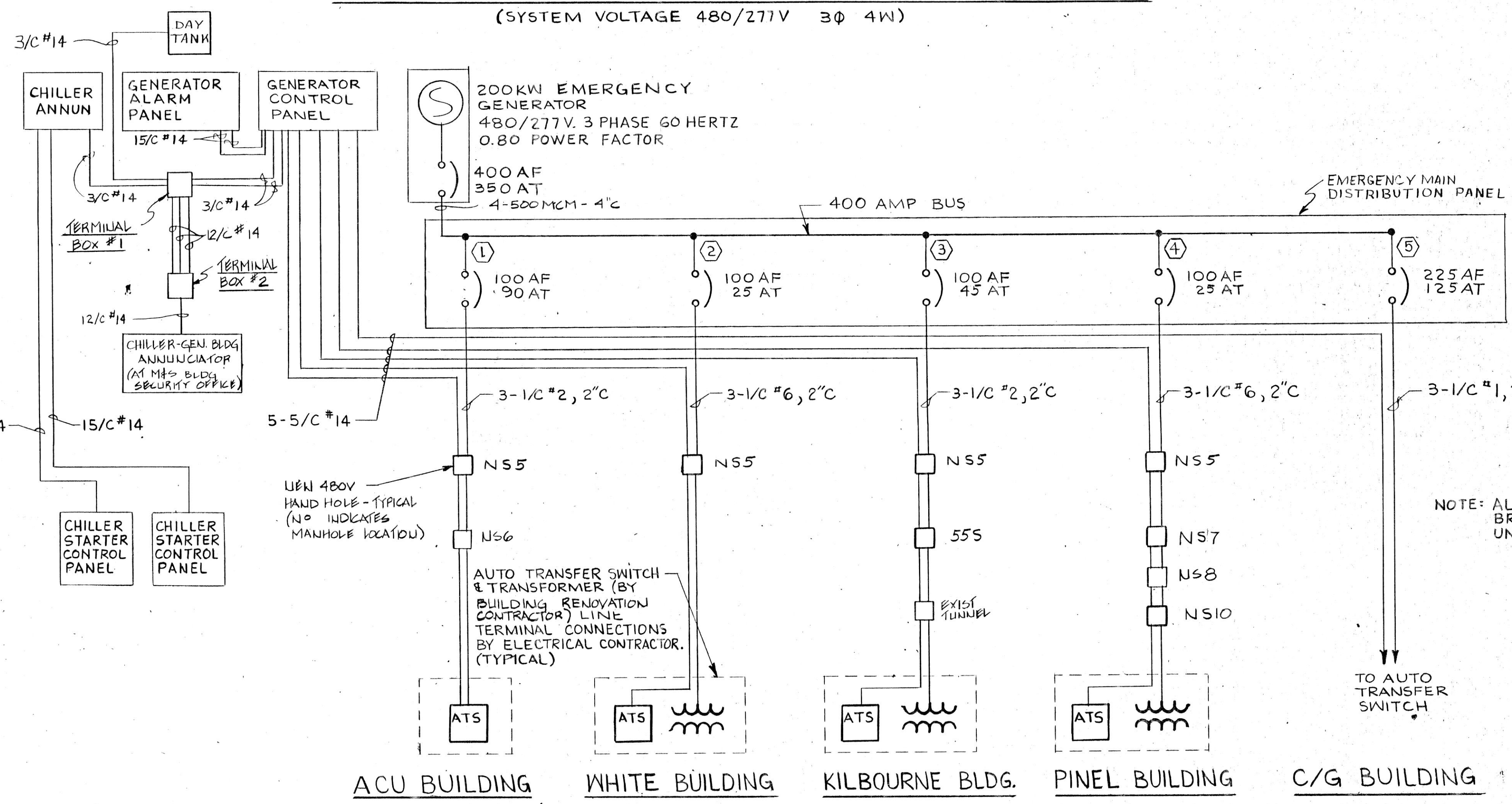




CHILLER-GENERATOR BUILDING ONE LINE DIAGRAM  
(SYSTEM VOLTAGE 480/277V 3Ø 4W)



2400 VOLT LOOP DIAGRAMS  
(SYSTEM VOLTAGE 2400V, 3Ø, 3W)



EMERGENCY POWER ONE LINE DIAGRAM  
(SYSTEM VOLTAGE 277/480V 3Ø 4W)

REVISIONS		DRAWN	APP'D.
NO.	DATE	REMARKS	MJC

STATE OF ILLINOIS  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT  
01-4724

**HOH** ARCHITECTS, INC.  
180 North Wabash Ave  
Chicago, Illinois 60601  
312/348-8131

PROJECT NUMBER: 959  
APPROVED: *Donald R. Michaelis*  
DONALD R. MICHAELIS  
REGISTERED ARCHITECT, ILLINOIS NO. 014724

**STATE OF ILLINOIS**  
**CAPITAL DEVELOPMENT BOARD**

ONE LINE DIAGRAMS NORMAL AND EMERGENCY POWER  
SITE & UTILITIES WORK  
ELGIN MENTAL HEALTH CENTER  
KANE COUNTY - ELGIN, ILLINOIS

CDB 321-055-062  
PHASE B  
DATE: SEPTEMBER 19, 1984  
SHEET  
**E-8**  
OF 8 SHEETS