

# ROUTE 99 FIRE STATION

FOR THE DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY MARYLAND  
PROJECT FS0001

**SCV** SANDLASS CRAYCROFT & VERKERKE  
ARCHITECTS

VAN RENSSELAER P SAXE  
STRUCTURAL ENGINEER

S YEARDLEY SMITH INC  
MECHANICAL ENGINEERS

RECORD DRAWINGS \* JUNE 74

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615

2/1/74

**GENERAL NOTES**

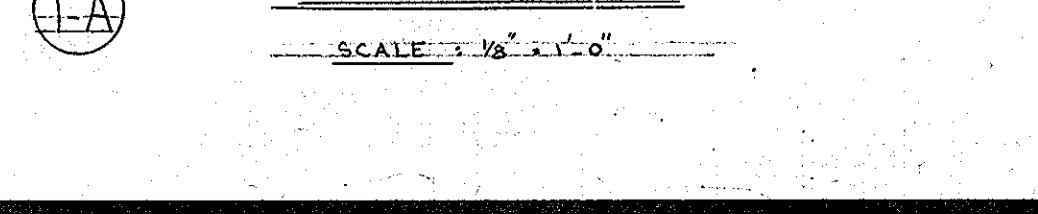
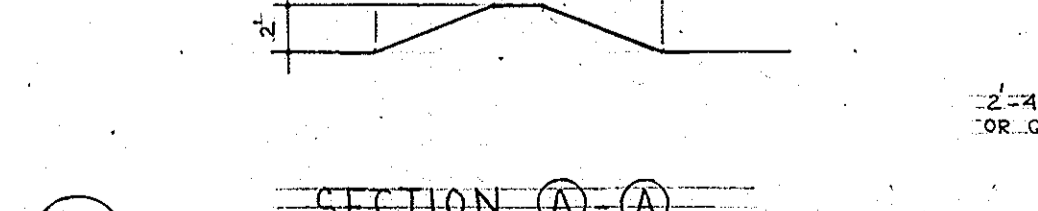
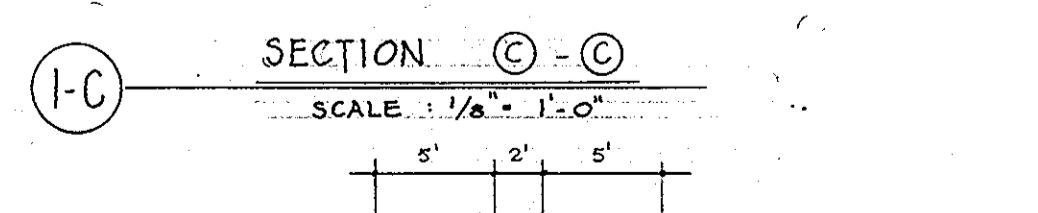
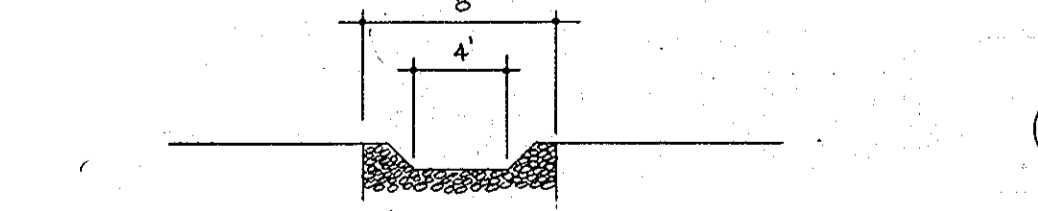
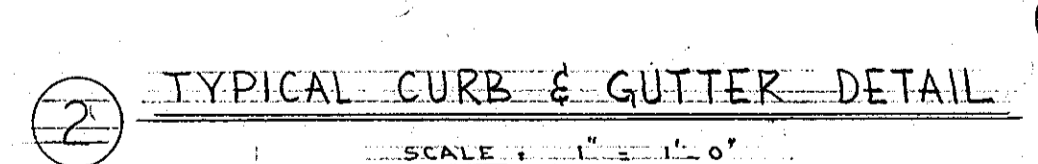
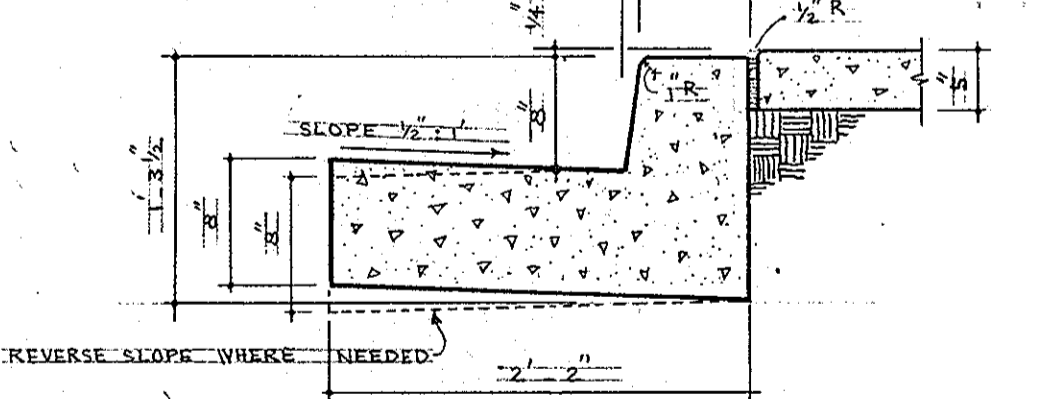
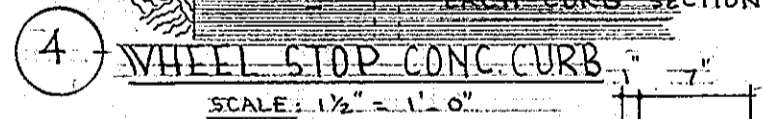
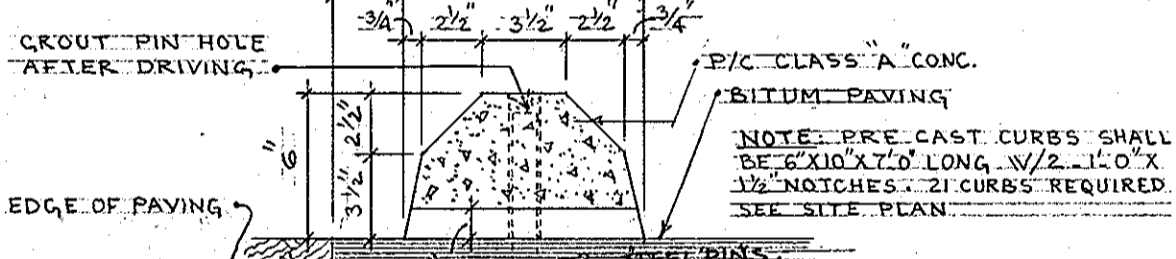
- 24 HOURS PRIOR TO COMMENCING GRADING, CONTRACTOR SHALL NOTIFY HOWARD COUNTY SOIL CONSERVATION DISTRICT AND BUREAU OF LICENSES, INSPECTION AND PERMIT.
- PROTECT TOP SOIL STOCKPILES OTHER THAN THAT USED FOR DIKS WITH TEMPORARY BERM AROUND BASE WITH STONE OVERFLOW DIKE AT LOW POINT AND MAINTAIN STOCKPILES TO BE UNDISTURBED A MIN. OF 3 WEEKS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH.
- ALL WORK SHALL CONFORM TO HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS (AND M.S.R.C. SPECIFICATIONS WITHIN S.R.C. R/V) AND HOWARD COUNTY D.P.W. STANDARD SPECIFICATION AND DETAILS FOR WATER MAINS AND SANITARY SEWERS.
- ALL EXISTING DATA FROM TOPOGRAPHIC SURVEY BY PURDUM & IESCHKE DATED JUNE 29, 1972.
- CONTRACTOR SHALL PROVIDE APPROX. 6,800 C.Y. OFF SITE BORROW AS SPECIFIED.
- BENCH MARK NO. 1 CUT ON S.W. CORNER OF HEADWALL ELEVATION 455.62 (HOWARD COUNTY DATUM). BENCH MARK NO. 2 18A-R.R. SPIKE IN BASE OF G. & E. POLE NO. 326469 ON MCKENZIE ROAD NORTH OF MD. ROUTE 99 ELEVATION 415.48 (HOWARD COUNTY DATUM).
- PARCEL 291 AS SHOWN ON TAX MAP 17, PROPERTY OF THE BOARD OF COUNTY COMMISSIONERS OF HOWARD COUNTY, MARYLAND (R.H.M. 307-431).
- PROPERTY RECORDED IN LIBER NO. C.M.P. 579 AT FOLIO 210.
- LANDSCAPING N.I.C.
- BUILDING HEIGHT 25'-11" TOWER 47'-4" NORMAL OCCUPANCY 10 MEN/SHIFT

**SEDEMENT AND EROSION CONTROL SCHEDULE**

- CLEAR AND GRUB SITE, STRIP TOPSOIL, CONSTRUCT CONTROL STRUCTURE USING STRIPPED TOPSOIL FOR EARTH DIKES AND STABILIZED WITH SEED AND MULCH.
  - COMMENCE GRADING, SEWAGE DISPOSAL AND UTILITIES WORK MAINTAINING CONTROL STRUCTURES AND COMPACTING FILLS AS SPECIFIED.
  - INSTALL CURBS AND PAVING BASE.
  - SPREAD TOPSOIL AND REMOVE CONTROL STRUCTURES, INSTALLING TEMPORARY SEED AND MULCH STABILIZATION IMMEDIATELY UNLESS PERMITS TURF IS INSTALLED.
  - AS BUILDING CONSTRUCTION PROGRESSES SUFFICIENTLY COMPLETE PAVING AND ESTABLISH PERMANENT TURF.
- NOTE: SOIL PREP FOR SEEDING: TIME @ 50%/1000 SF. & 10-10-10 FERTILIZER @ 50%/1000 SF. TEMP. SEED: ANNUAL RYE GRASS @ 12%/1000 SF. PERM. SEED: 20% KY. BLUE & 80% KY. 31 FESCUE @ 5%/1000 SF. MULCH @ 2 TONS/ACRE ANCHORED WITH ENULSIFIED ASPHALT ALL AS SPEC.
- HOWARD CO. DEPT. PUBLIC WORKS HAS CERTIFIED CONST. & MAINT. OF SEDIMENT & EROSION CONTROL MEASURES SHALL CONFORM TO THESE DOCUMENTS, AS RECD BY COUNCIL BILL 38 1971. CONTR. SHALL BE FAMILIAR WITH THIS BILL AND SHALL PREPARE & INSTITUTE A MAINTENANCE PROGRAM FOR SEDIMENT CONTROL STRUCTURES (INCLUDING CHECKS @ END EACH WORKING DAY).

**LEGEND**

- EXISTING CONTOURS - 453
- PROPOSED CONTOURS - 453
- PROPERTY LINE
- EXISTING PAVING
- PROPOSED PAVING
- PROPOSED CURB & GUTTER
- PROPOSED CONC. WALK OR PAD
- EXISTING 12" C.M.P.
- PROPOSED 12" C.M.P.
- PROPOSED M.H.
- EROSION CONTROL BERM
- STONE OVERFLOW BERM
- DIRECTION OF FLOW
- PROJECT LIMIT

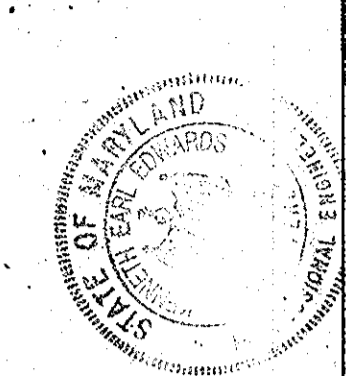
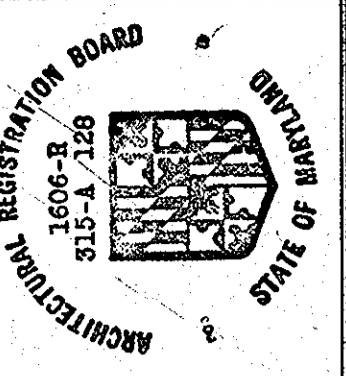
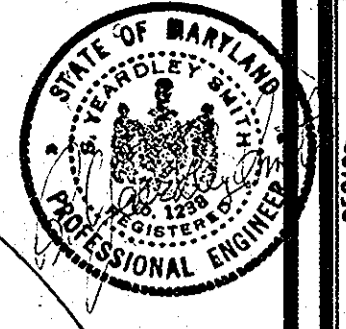
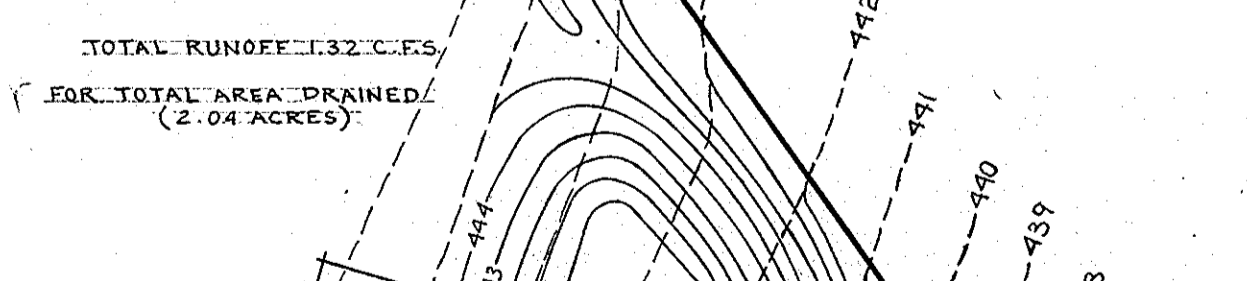
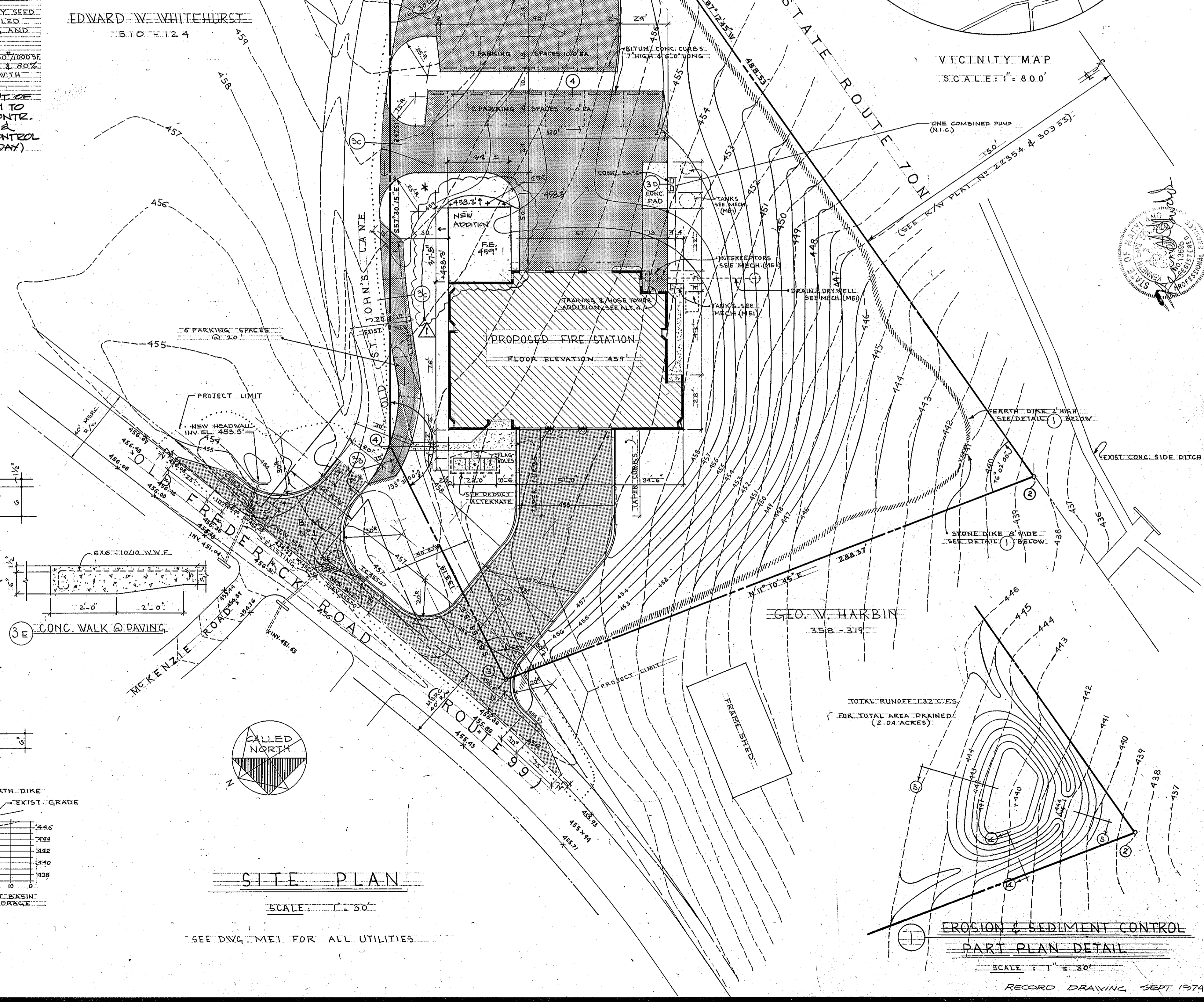
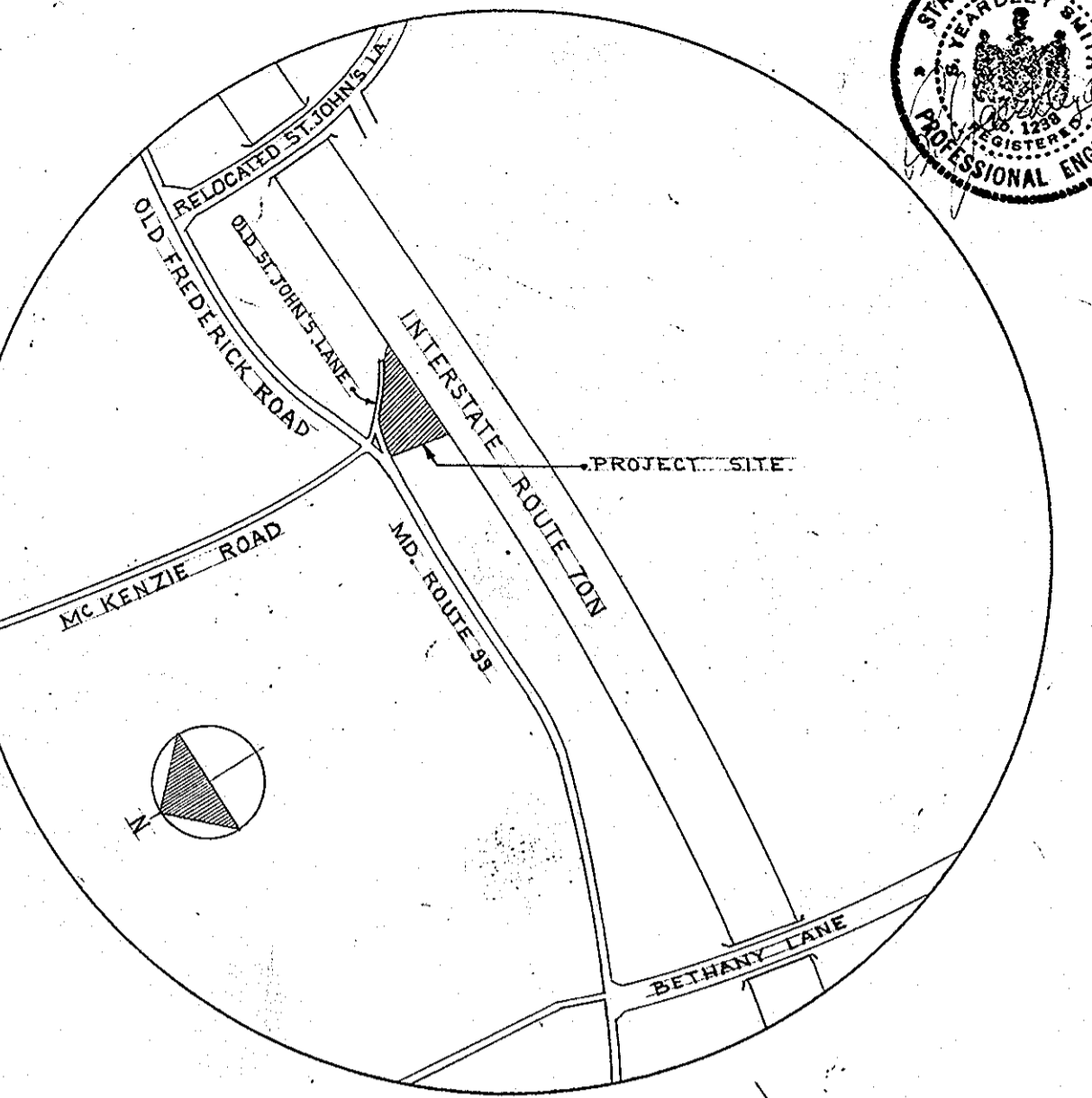


**APPROVALS**

I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THIS PLAN FOR EROSION AND SEDIMENT CONTROL HAS BEEN PREPARED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL IN URBANIZING AREAS AS ADOPTED BY THE HOWARD SOIL CONSERVATION DISTRICT.		APPROVED:	FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
ARCHITECT <i>Mark Keiser</i>	DATE 12/15/72	COUNTY HEALTH OFFICER	DATE
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL.		APPROVED:	HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DEPARTMENT OF PUBLIC WORKS	DATE	PLANNING DIRECTOR	DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.		CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING	DATE
REVIEWED: DISTRICT CONSERVATIONIST	DATE	DIRECTOR	DATE
APPROVED: DIST. COORD., HOWARD S.C.D.	DATE	CHIEF, BUREAU OF HIGHWAYS	DATE

NOW OR FORMERLY  
PROPERTY OF  
**JOHN A. DAMPMAN**  
507-18

REVISION NO. 1:  
NEW ADDITION (2-8-76)  
OR ARCHITECTS IS ONLY RESPONSIBLE FOR WORK RELATIVE TO THE NEW ADDITION (2-8-76)



**ROUTE 99 FIRE STATION**  
FOR THE DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
PROJ. FS0001 SECOND ELECTION DISTRICT

SCV SANDLASS CRAWCROFT & VERKERKE ARCHITECTS  
VAN RENSSELAER P. SAXE STRUCTURAL ENGINEER  
S. YEARDLEY SMITH, INC. MECHANICAL ENGINEERS

SITE PLAN AND DETAILS

OCTOBER 1972  
SHEET NO. **A 1**  
REVISED 7 Nov 73

LONG 5/25/73

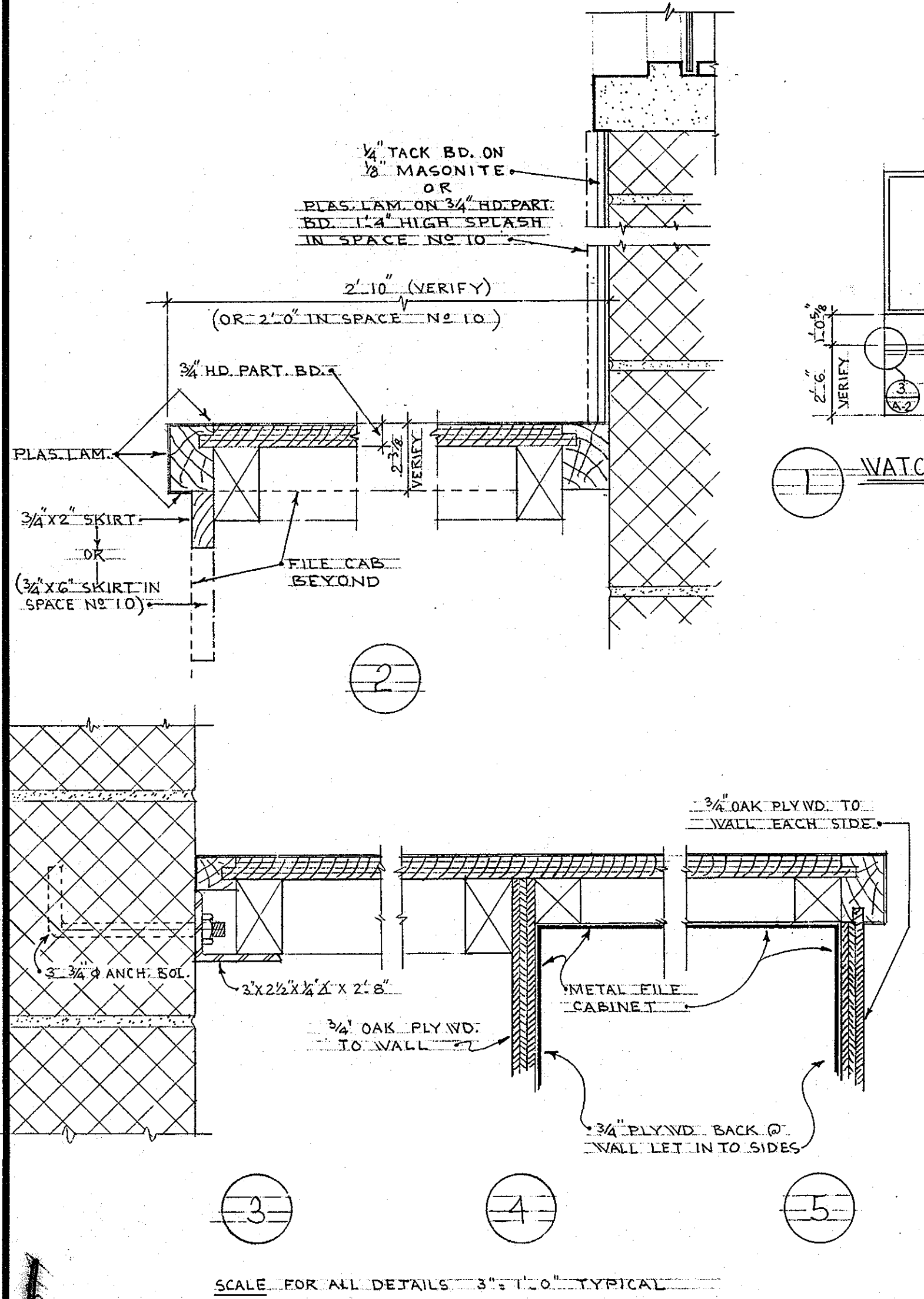
RECORD DRAWING SEPT 1974

# FINISH SCHEDULE

SPACE NUMBER	SPACE NAME	FLOOR		BASE WALLS		CEILING		PAINT		REMARKS
		EXPOSED CONCRETE	RESILIENT TILE	RESILIENT	RESILIENT	SUSPENDED ACoustIC TILE	EXPOSED CONSTRUCTION	WALLS	CEILING OR EXPOSED CONST.	
1	APPARATUS	X	X	X	X	X	X	X	X	
2	ENTRY	X	X	X	X	X	X	X	X	
3	TOILET	X	X	X	X	X	X	X	X	
4	WATCH	X	X	X	X	X	X	X	X	
5	TOILET	X	X	X	X	X	X	X	X	
6	ADMINISTRATION	X	X	X	X	X	X	X	X	
7	OFFICERS' QUARTERS	X	X	X	X	X	X	X	X	
8	AMBULANCE DRIVERS	X	X	X	X	X	X	X	X	
9	SHOWERS	X	X	X	X	X	X	X	X	
10	TOILETS	X	X	X	X	X	X	X	X	
11	MECHANICAL	X	X	X	X	X	X	X	X	CARRY PARTITIONS TO DECK
12	HOUSE KEEPING STOR.	X	X	X	X	X	X	X	X	
13	JANITOR	X	X	X	X	X	X	X	X	
14	FIREFIGHTERS' QUARTERS	X	X	X	X	X	X	X	X	
15	HOSE TOWER	X	X	X	X	X	X	X	X	
16	STORAGE AND SHOP	X	X	X	X	X	X	X	X	
17	YARD STOR.	X	X	X	X	X	X	X	X	CARRY PARTITIONS TO DECK
18	MECHANICAL & ELECTRICAL	X	X	X	X	X	X	X	X	CARRY PARTITIONS TO DECK
19	DINING	X	X	X	X	X	X	X	X	
20	KITCHEN	X	X	X	X	X	X	X	X	
21	TRAINING & RECREATION	X	X	X	X	X	X	X	X	
22	TOILET	X	X	X	X	X	X	X	X	

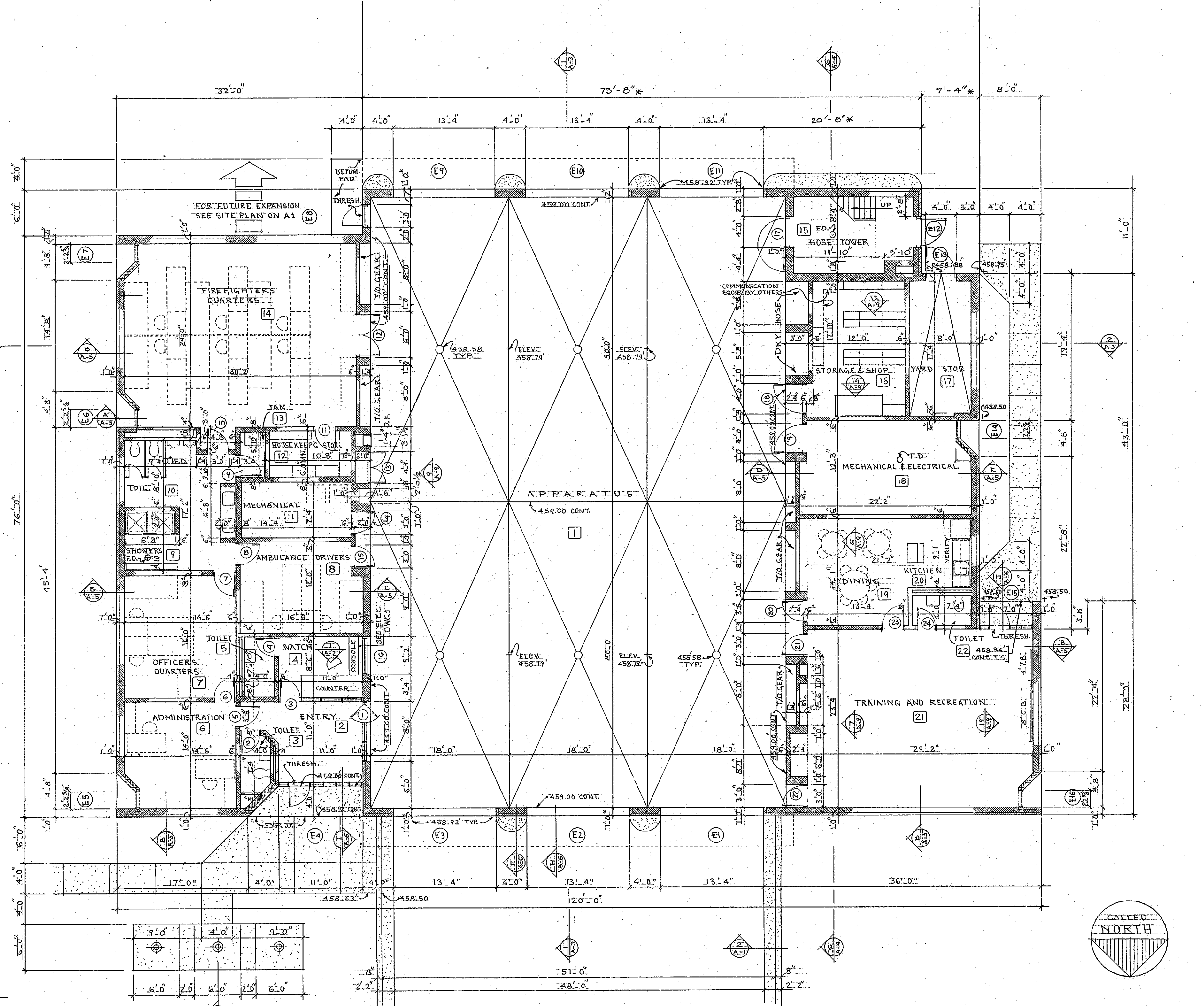
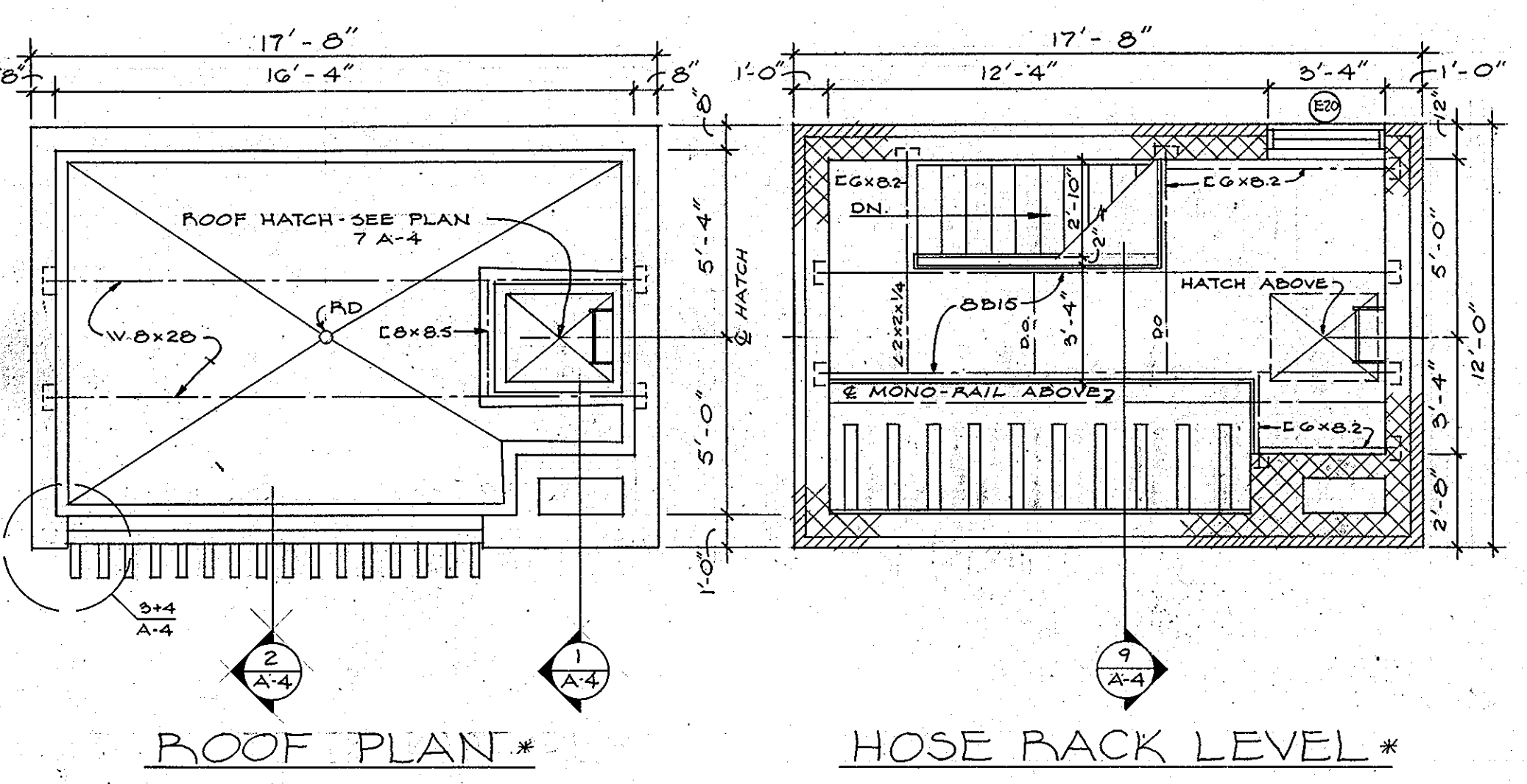
**NOTES**

- SUSP. AC.T. I. ONE HOUR MIN. U/L RATED. CERAMIC
- PARTITIONS: UNLESS OTHERWISE NOTED, ALL PARTITIONS SHALL EXTEND A MIN. OF 8 INCHES ABOVE FINISH CEILING LINE.
- FIRE SEPARATION: SPACES 11, 12, 13, 14, 15 SHALL BE SEPARATED FROM REMAINING STRUCTURE BY ONE HR. MIN. FIRE RESISTANCE CONSTRUCTION. 1 1/2" LABELED DOORS, 6 INCHES MIN. PARTITION THICKNESS (55% MIN. SOLID CMU) & ONE HR. CEILING CONSTRUCTION.



- ABBREVIATIONS**
- AC.T. = ACOUSTIC TILE
  - C.B. = CHALK BOARD
  - C.J. = CONTROL JOINT
  - CONT. = CONTINUOUS
  - DIM.(S) = DIMENSIONS
  - EXT. = EXTERIOR
  - E.W.C. = ELECTRIC WATER COOLER
  - F.D. = FLOOR DRAIN
  - G.A. = GAUGE
  - GALV. = GALVANIZE
  - H.M. = HOLLOW METAL
  - JAN. = JANITOR
  - JST. = JOIST
  - J.T. = JOINT
  - MAS. = MASONRY
  - M.O. = MASONRY OPENING
  - N.I.C. = NOT IN CONTRACT
  - PLYWD. = PLY WOOD
  - PL. = PLATE
  - PK. = PAK
  - RED. = ROOF DRAIN
  - REINF. = REINFORCING
  - REQ. = REQUIRED
  - SCH. = SCHEDULE
  - SCR. = SCREENING
  - SP. W.P. = SPANREL WATERPROOFING
  - SS/S. = STAINLESS STEEL
  - STL. = STEEL
  - T.B. = TACK BOARD
  - W/(OR) W/O = WITH (OR) WITHOUT
  - T/O = TURN OUT
  - N.T.S. = NOT TO SCALE

- SYMBOLS**
- SECTION
  - ELEVATION
  - OPENING (INTERIOR)
  - OPENING (EXTERIOR)
  - SPACE NUMBER
  - DETAIL
  - SEE DETAIL
- MATERIAL LEGEND**
- BRICK (FACE)
  - CONCRETE MASONRY
  - CONCRETE
  - CEMENT
  - FILL
  - INSULATION
  - METAL PARTITION
  - PARTICLE BOARD
  - PLY WOOD (FINISHED)
  - STEEL
  - WOOD (ROUGH)
  - WOOD (FINISHED)



ARCHITECTURAL REGISTERED BOARD  
 3-6006-255  
 330-5

**ROUTE 99 FIRE STATION**  
 FOR THE DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

PROJ. FS0001

SCV SANDLASS CRAVOFF & VERKERKE ARCHITECTS  
 VAN RENSSELAER P. SAXE STRUCTURAL ENGINEER  
 S. YEARDLEY SMITH, INC. MECHANICAL ENGINEERS

FLOOR PLAN & FINISH SCHEDULE

OCTOBER 1972

SHEET NO. **A 2**

RECORD DRAWING # JUNE 74

517

**ROUTE 99 FIRE STATION**  
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 HOWARD COUNTY, MARYLAND

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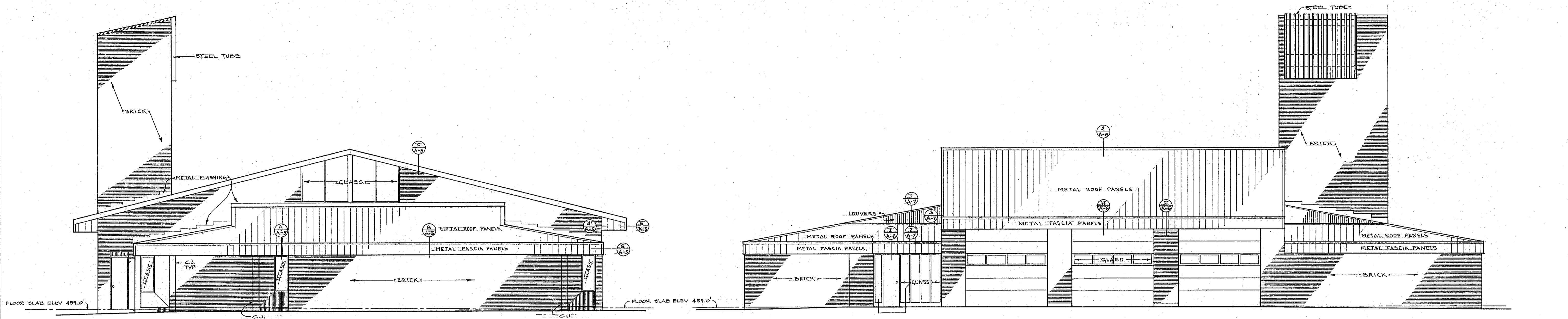
ELEVATIONS & SECTIONS

OCTOBER 1972

SHEET NO.

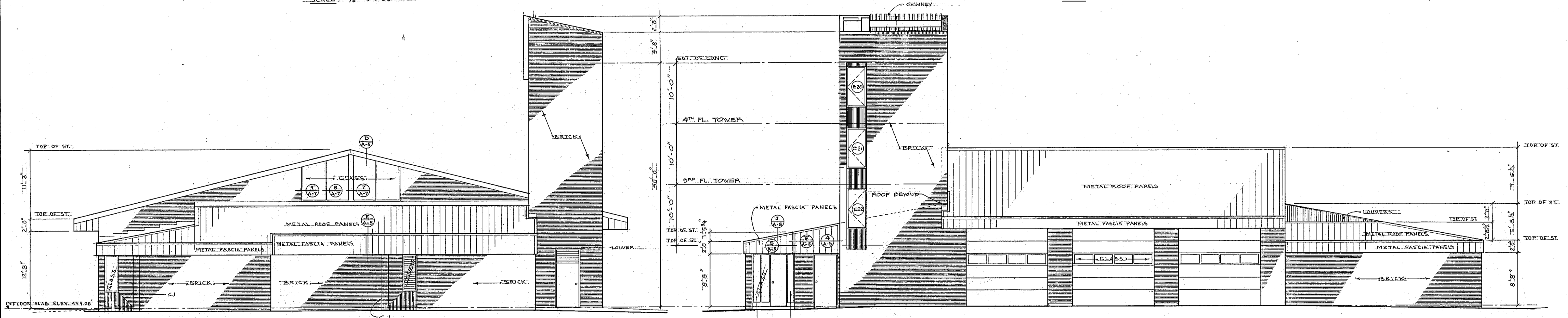
**A 3**

RECORD DRAWING# JUNE 74



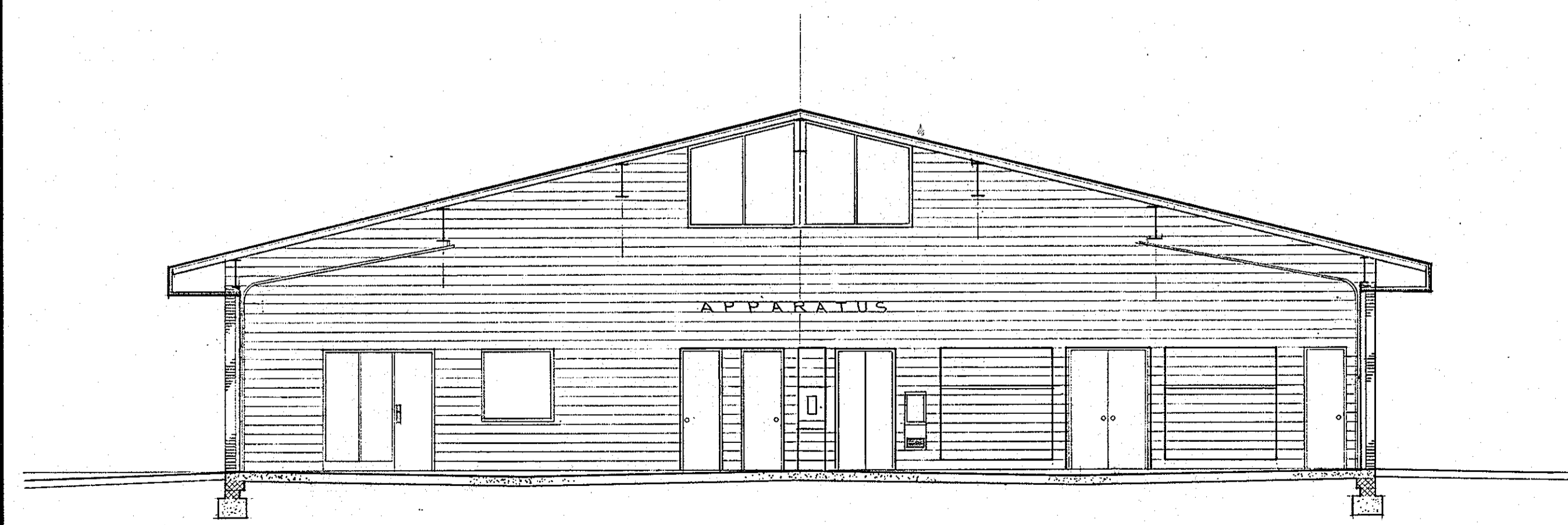
EAST ELEVATION  
 SCALE: 1/8" = 1'-0"

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

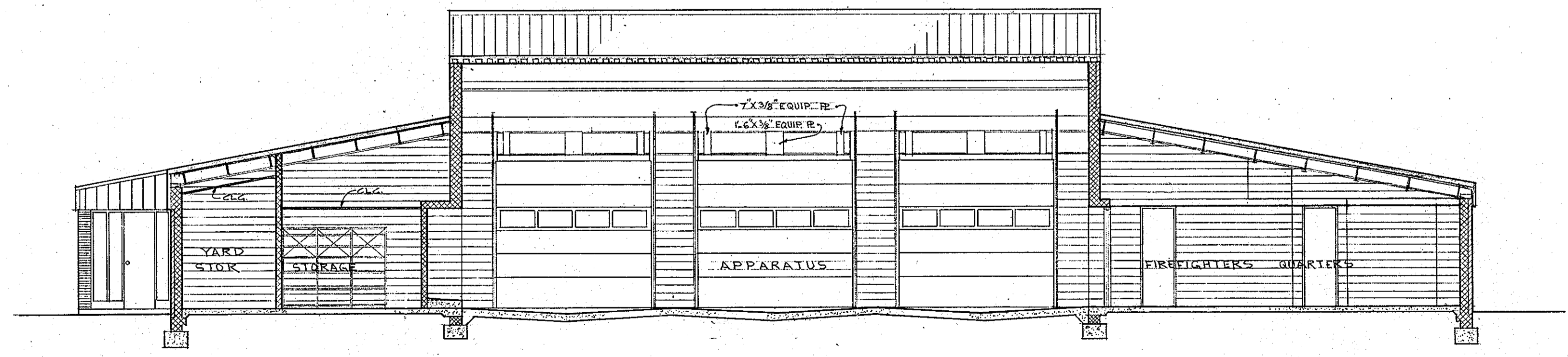


WEST ELEVATION  
 SCALE: 1/8" = 1'-0"

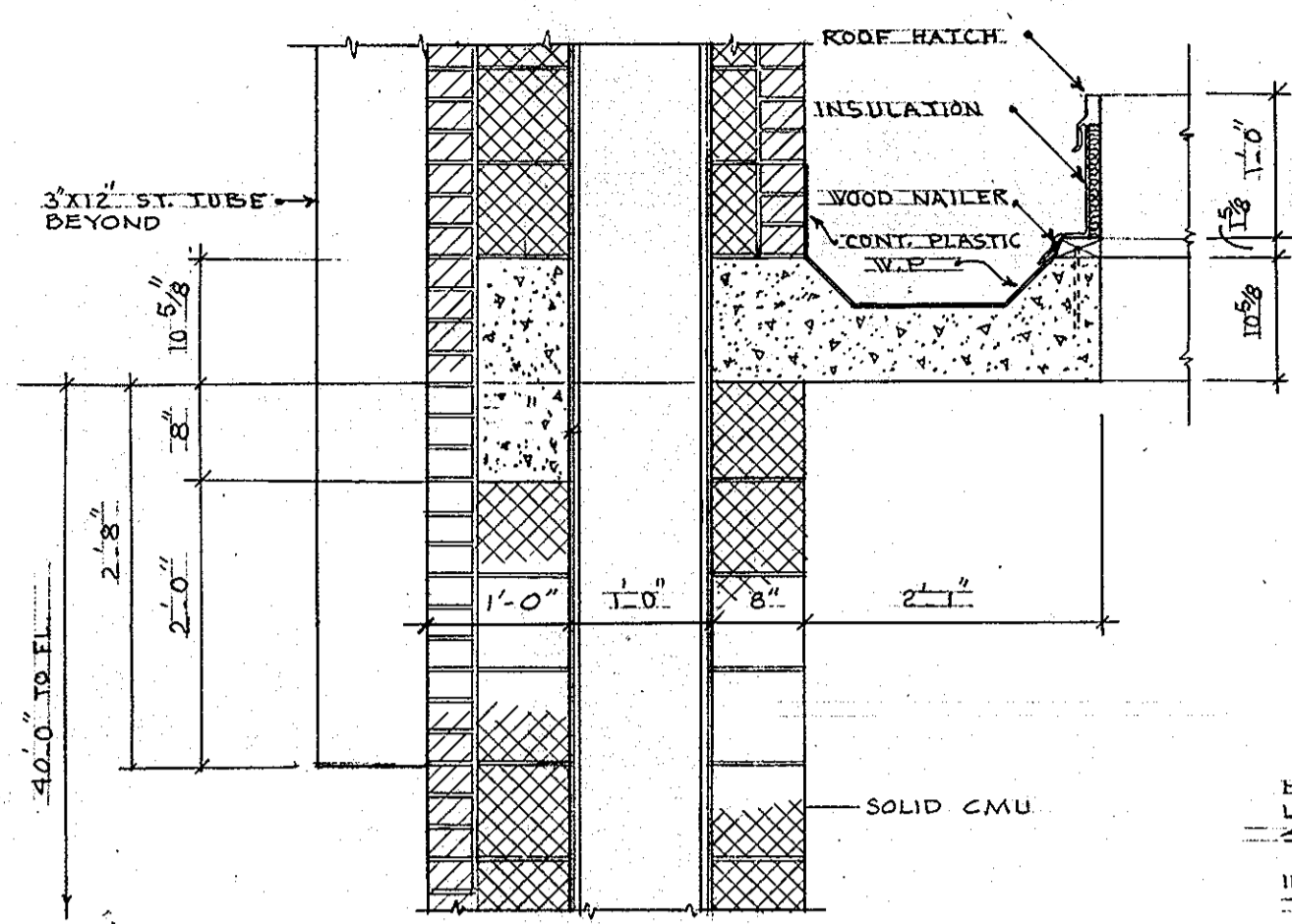
SOUTH ELEVATION  
 SCALE: 1/8" = 1'-0"



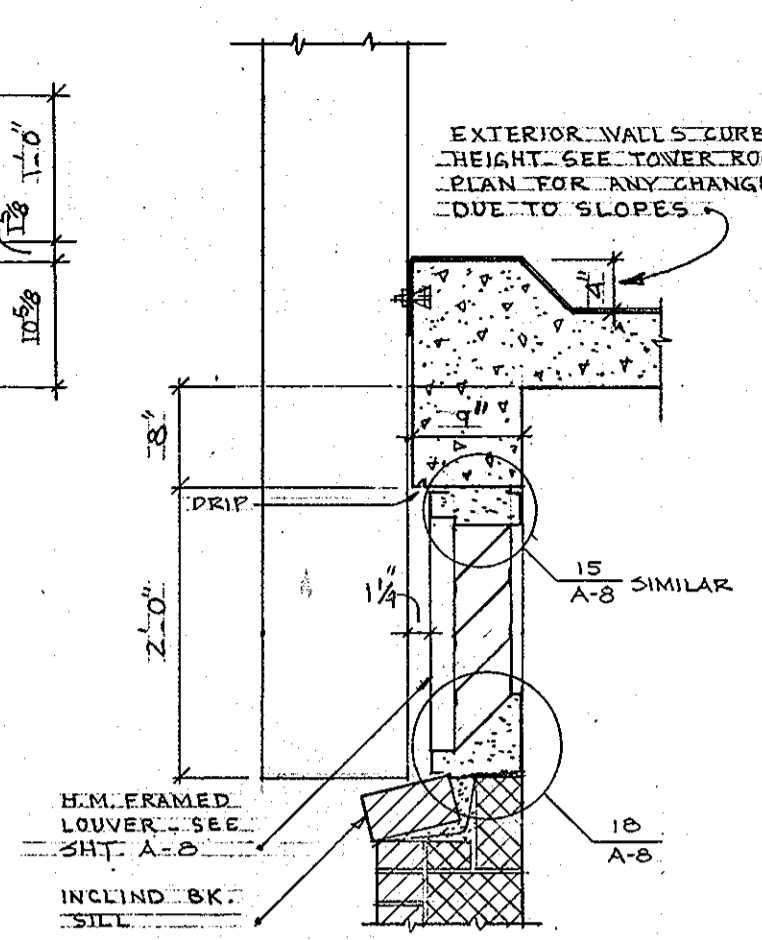
SECTION 1  
 SCALE: 1/8" = 1'-0"



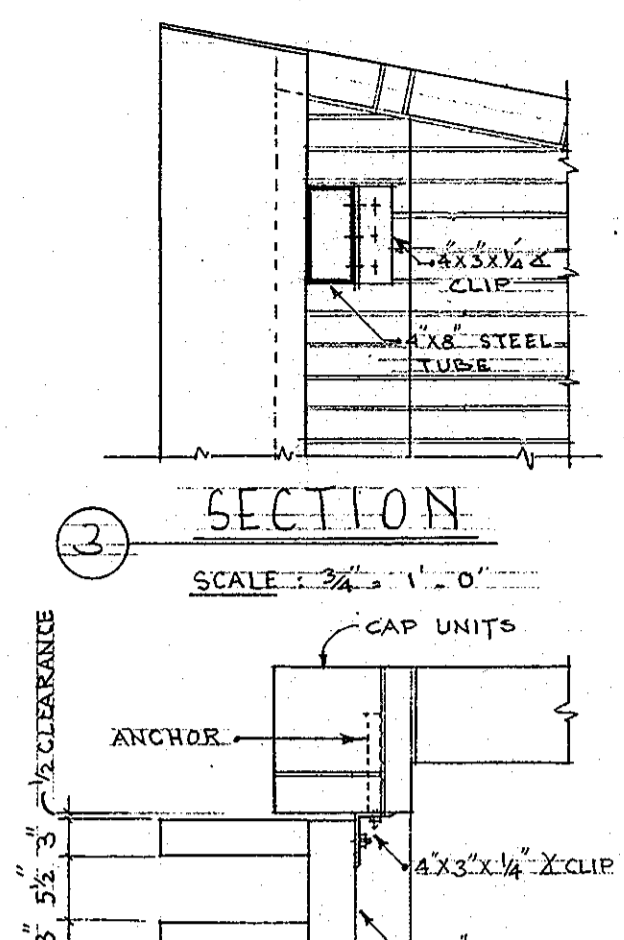
SECTION 2  
 SCALE: 1/8" = 1'-0"



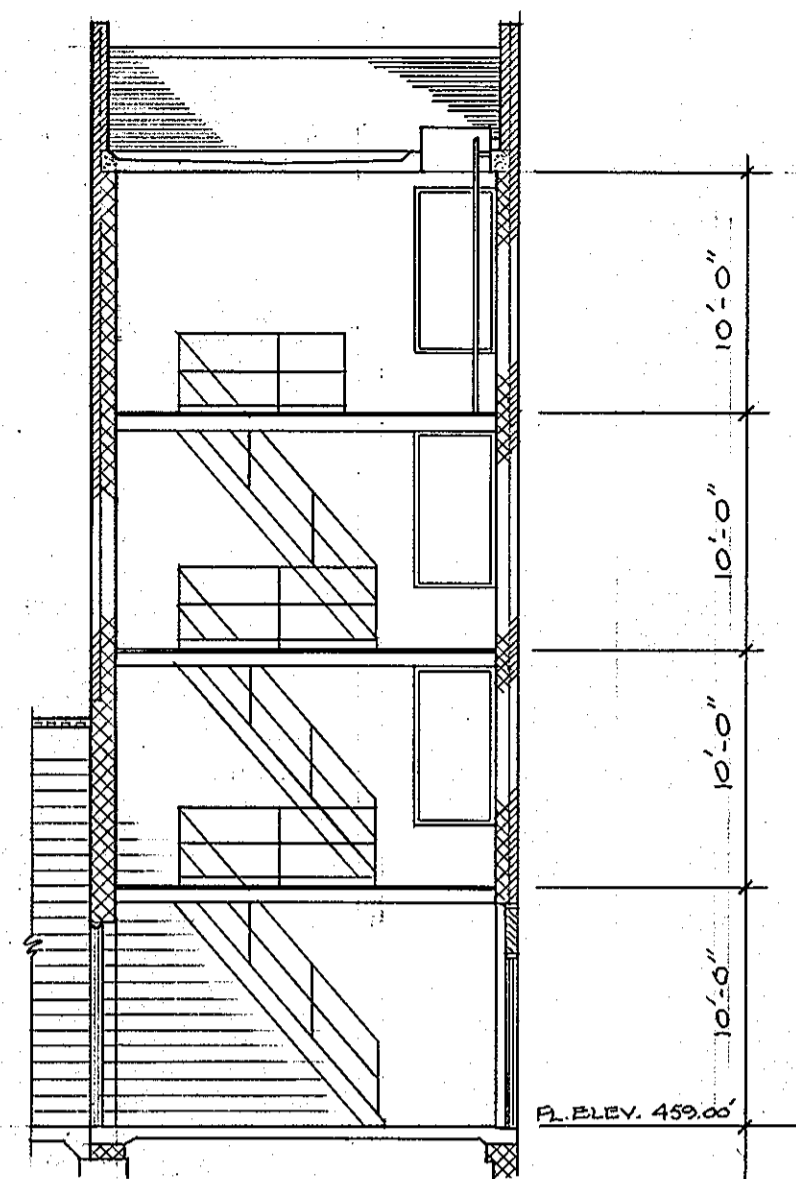
1 TOWER DETAIL \*  
SCALE: 3/4" = 1'-0"



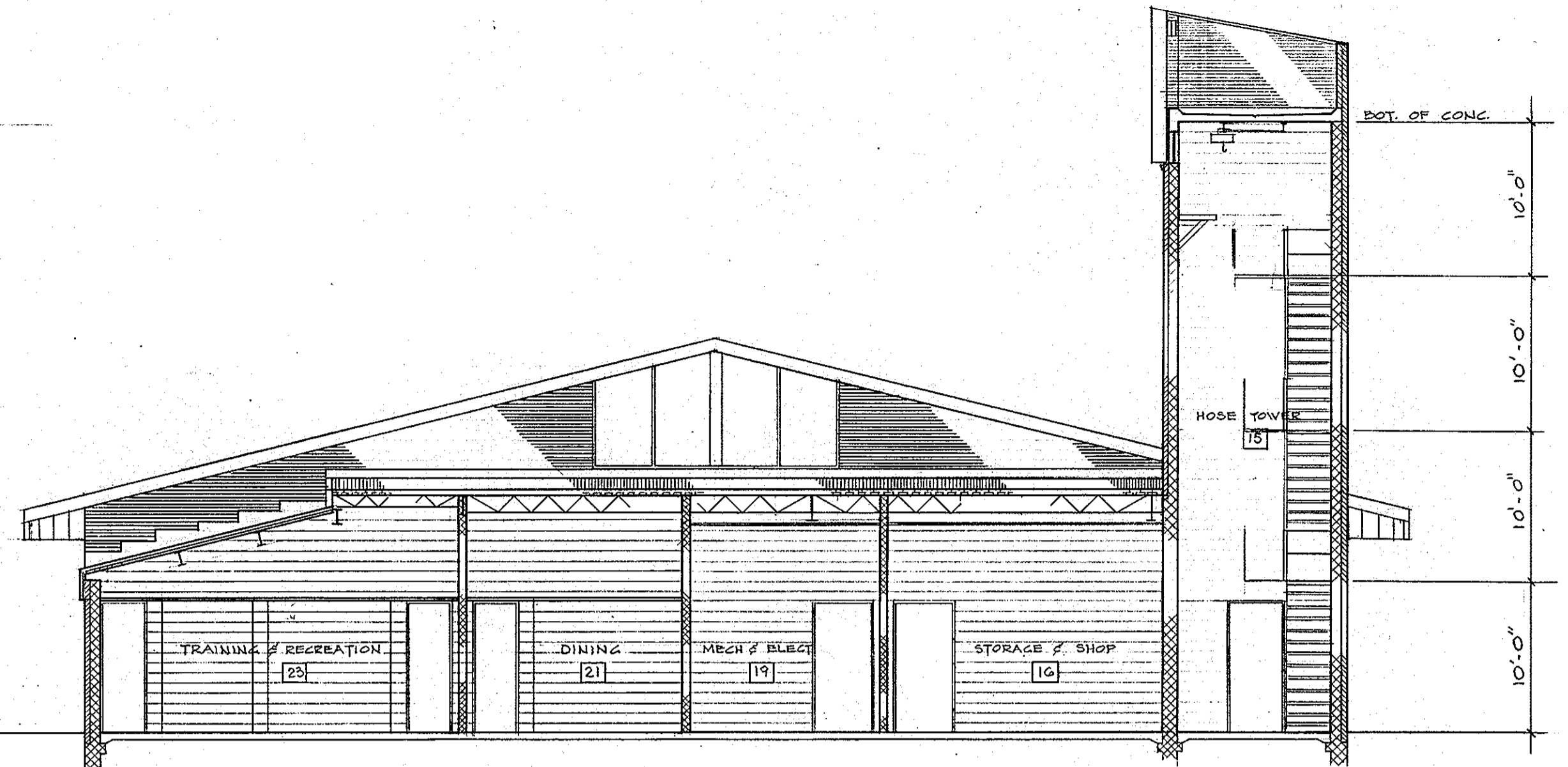
2 TOWER DETAIL  
SCALE: 3/4" = 1'-0"



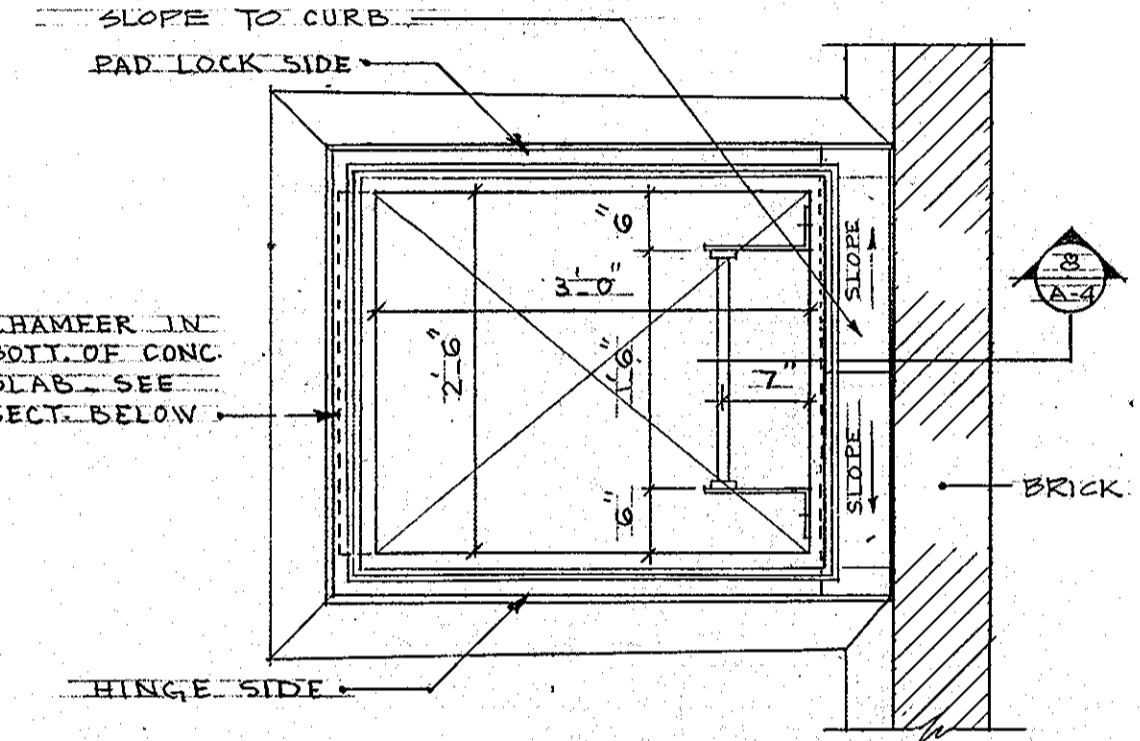
3 PLAN  
SCALE: 3/4" = 1'-0"



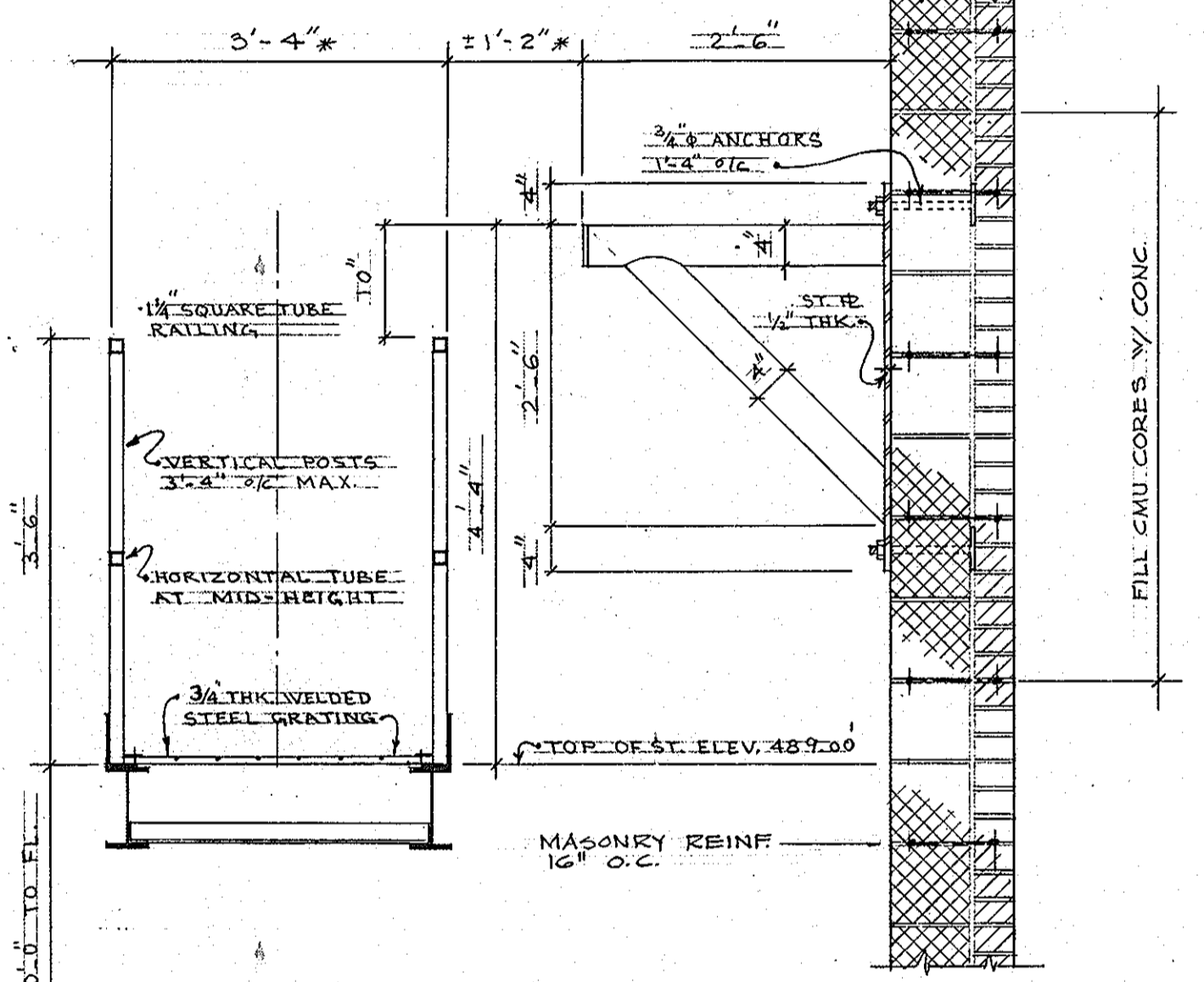
5 SECTION \*  
SCALE: 1/8" = 1'-0"



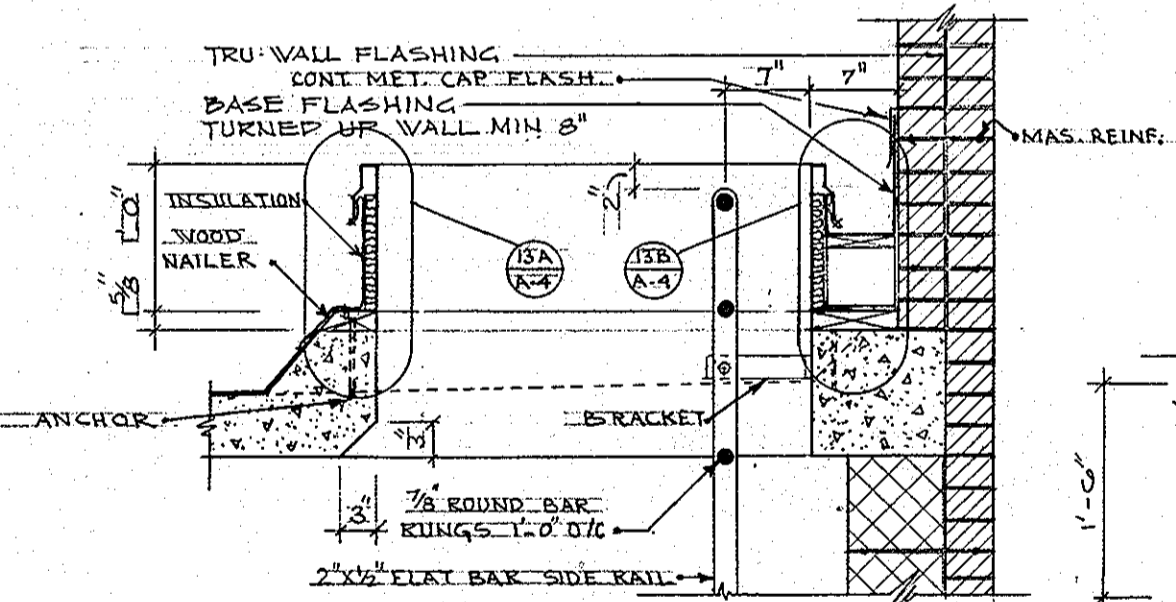
6 SECTION \*  
SCALE: 1/8" = 1'-0"



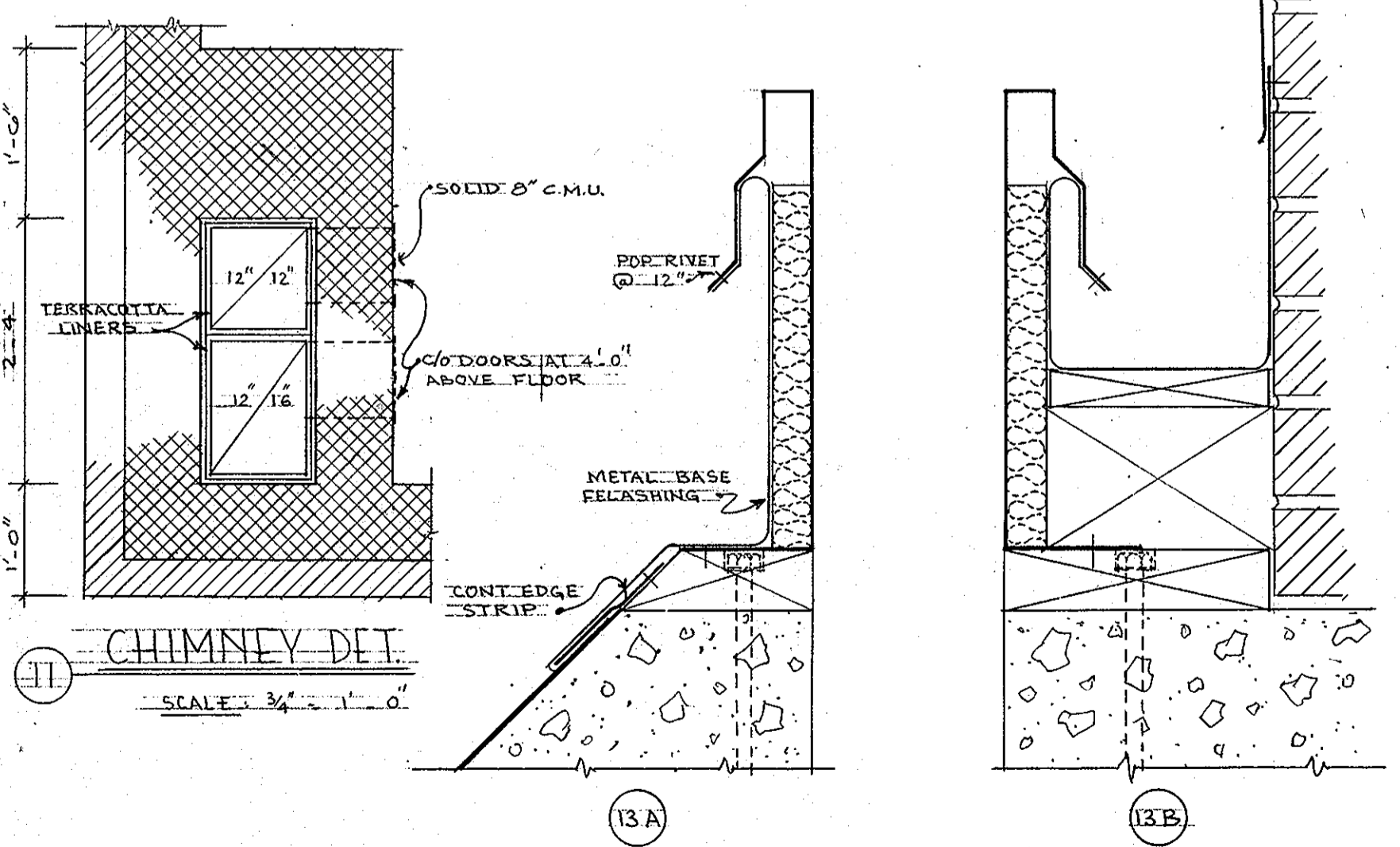
7 TOWER ROOF HATCH PLAN  
SCALE: 3/4" = 1'-0"



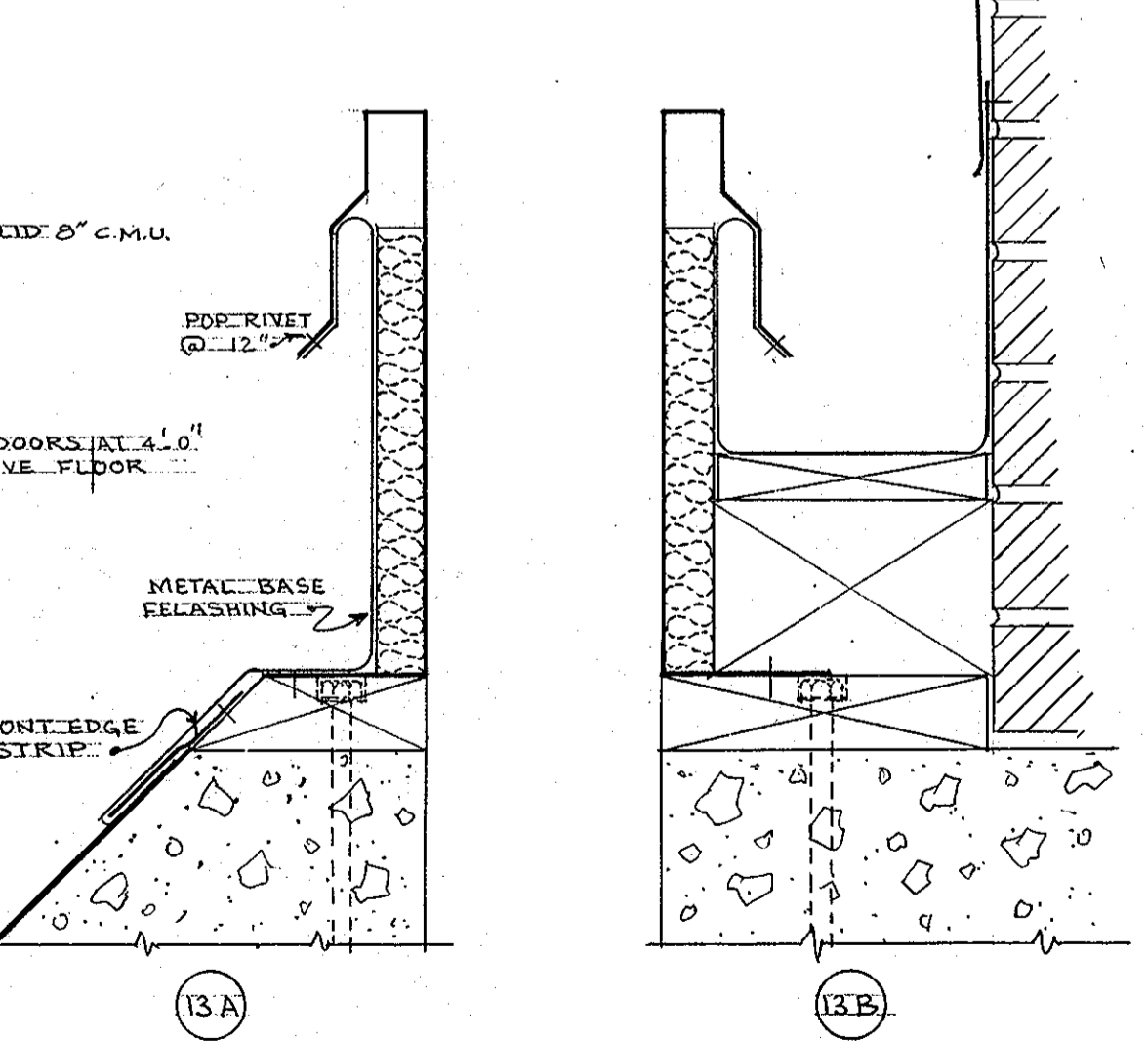
9 CATWALK AND HOSE RACK DETAILS  
SCALE: 3/4" = 1'-0"



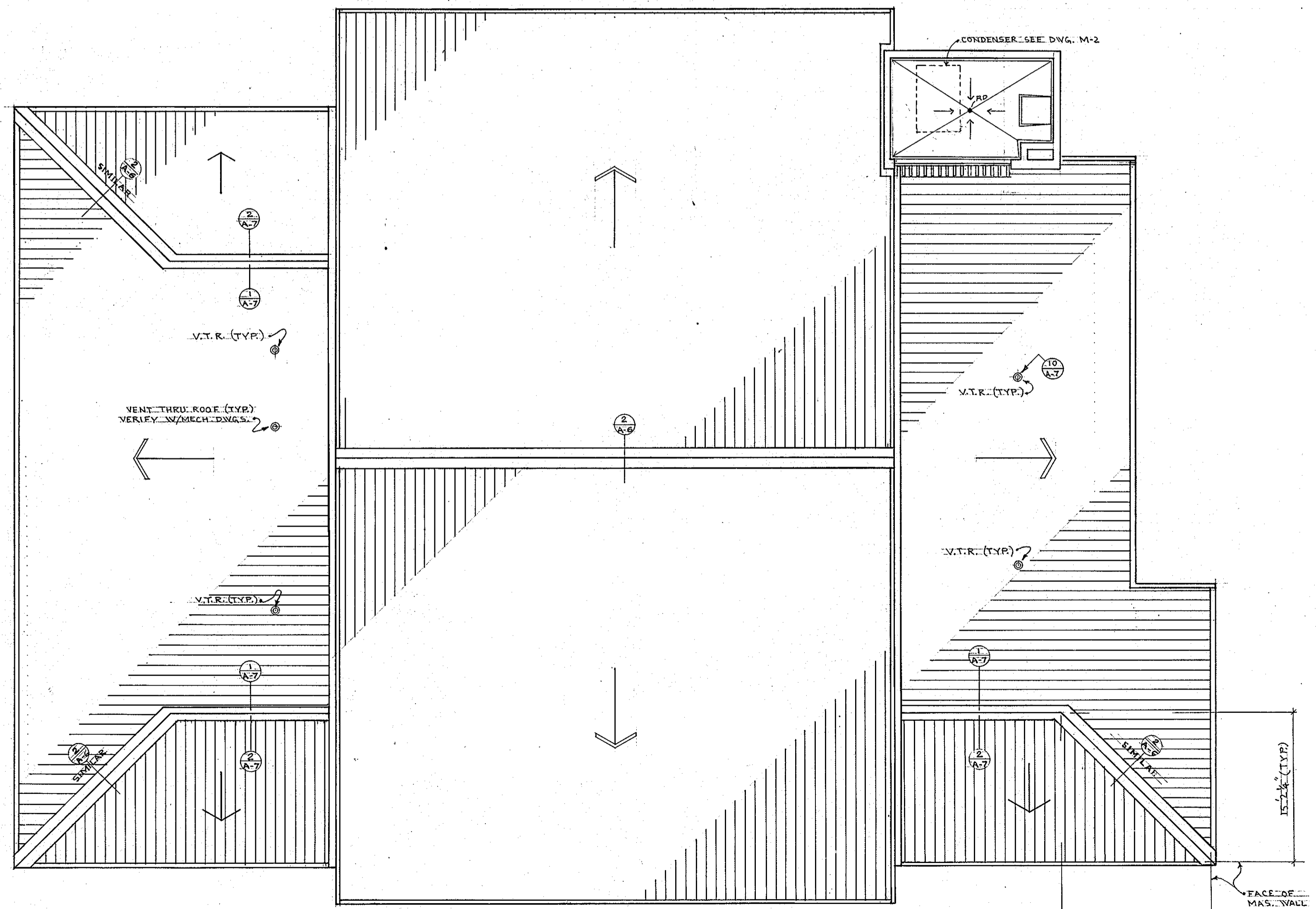
8 TOWER ROOF HATCH SECTION  
SCALE: 3/4" = 1'-0"



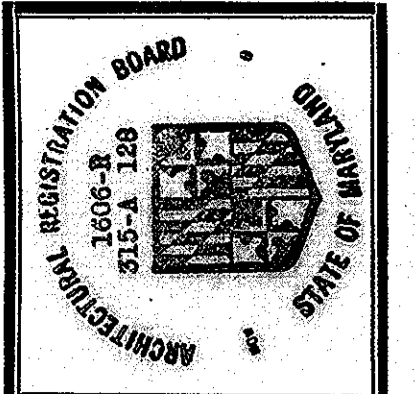
11 CHIMNEY DET.  
SCALE: 3/4" = 1'-0"



13 ROOF HATCH DETAILS  
SCALE: 3/4" = 1'-0"



12 ROOF PLAN  
SCALE: 1/8" = 1'-0"



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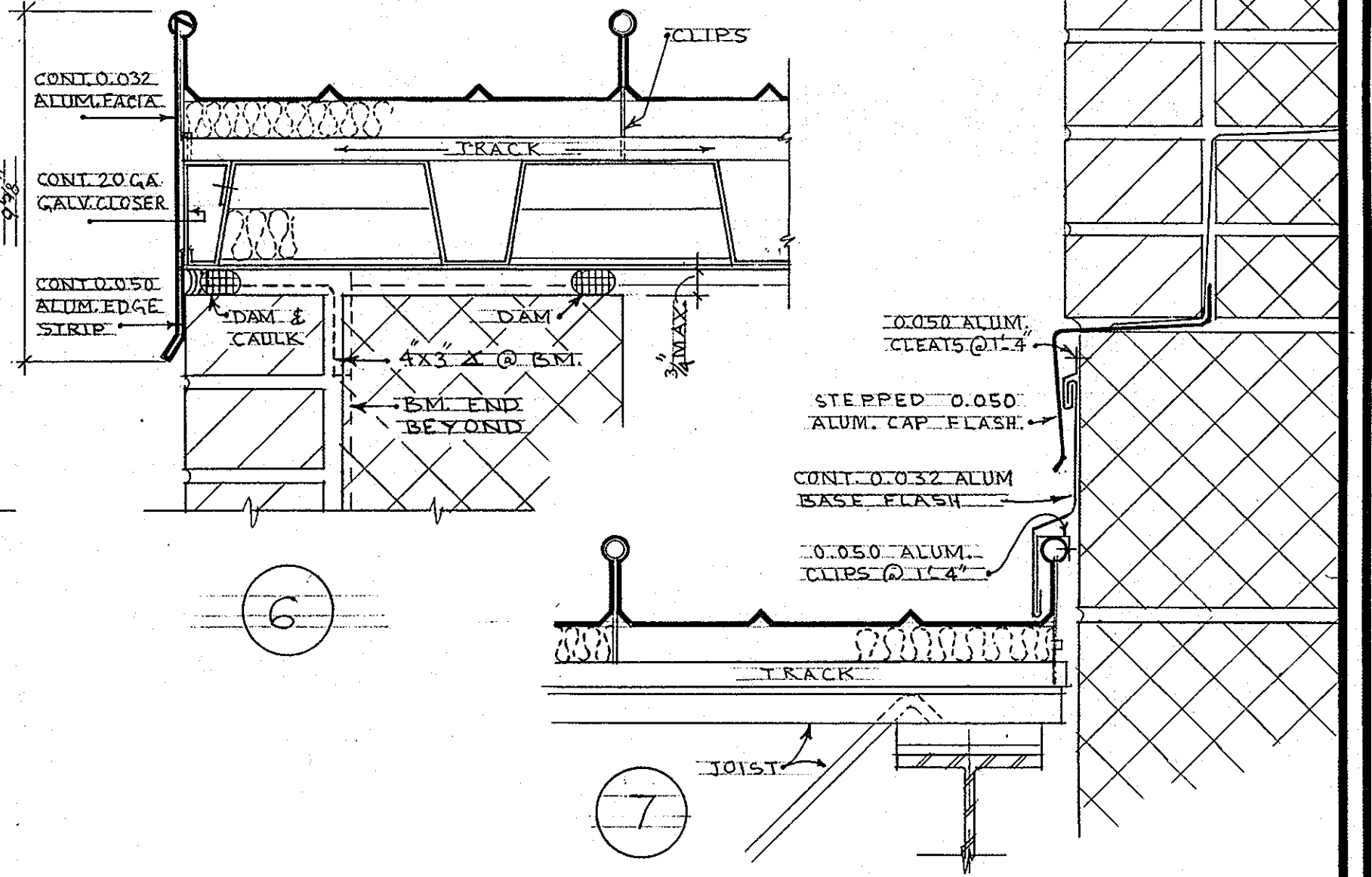
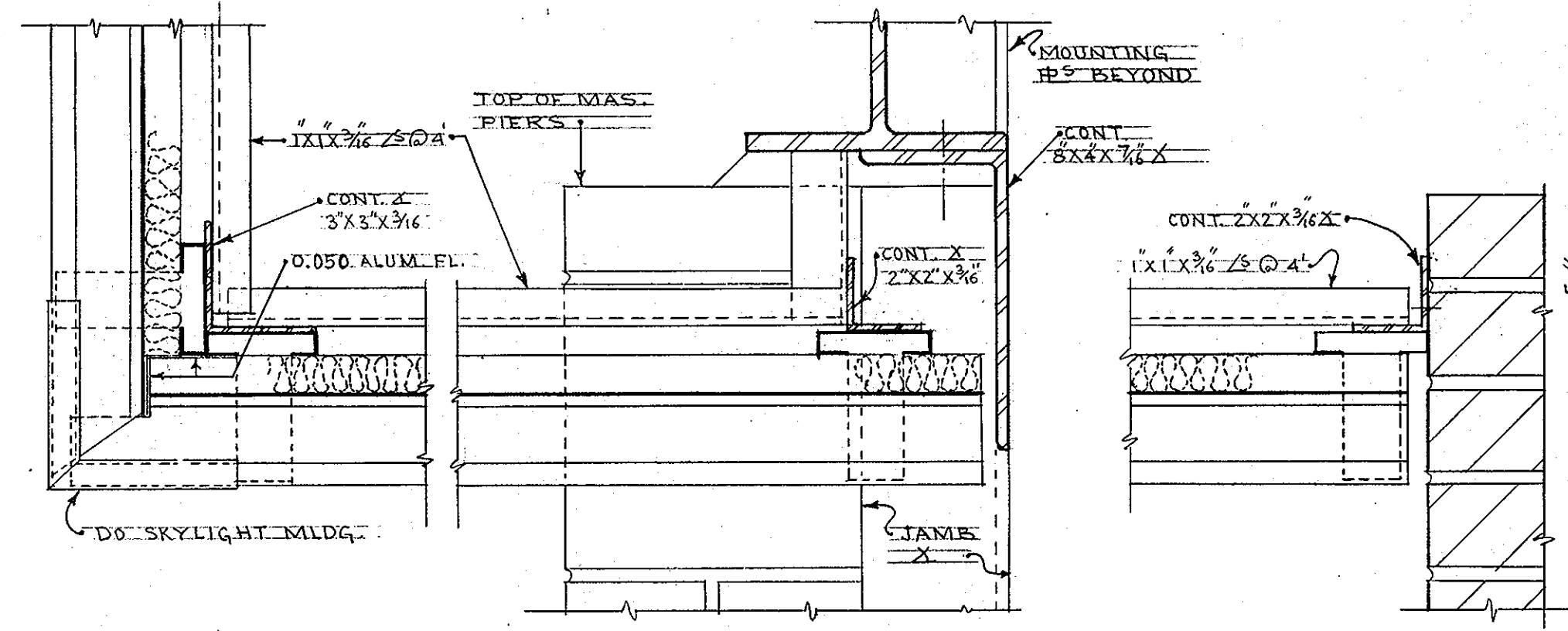
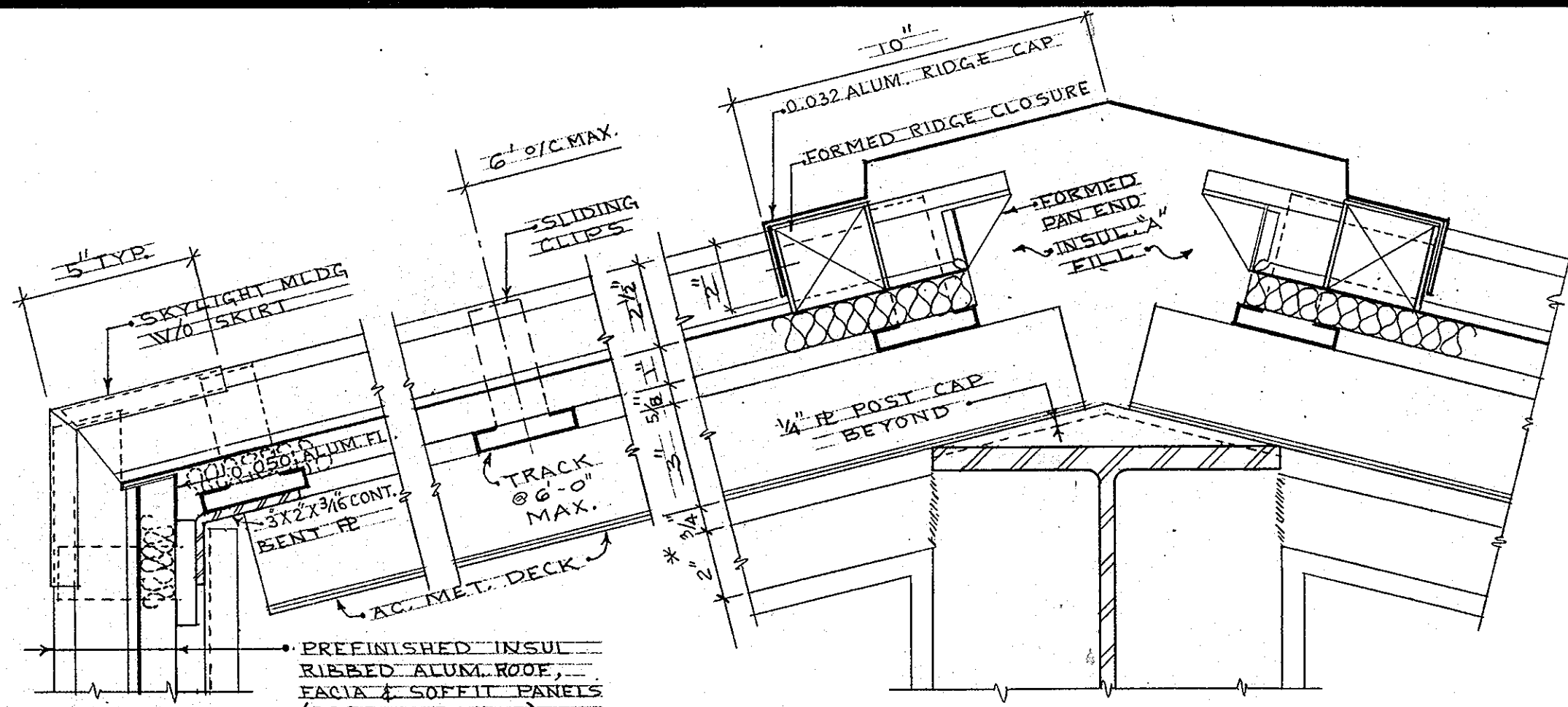
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MECHANICAL ENGINEERS

ROOF PLAN SECTIONS  
& DETAILS  
OCTOBER 1972

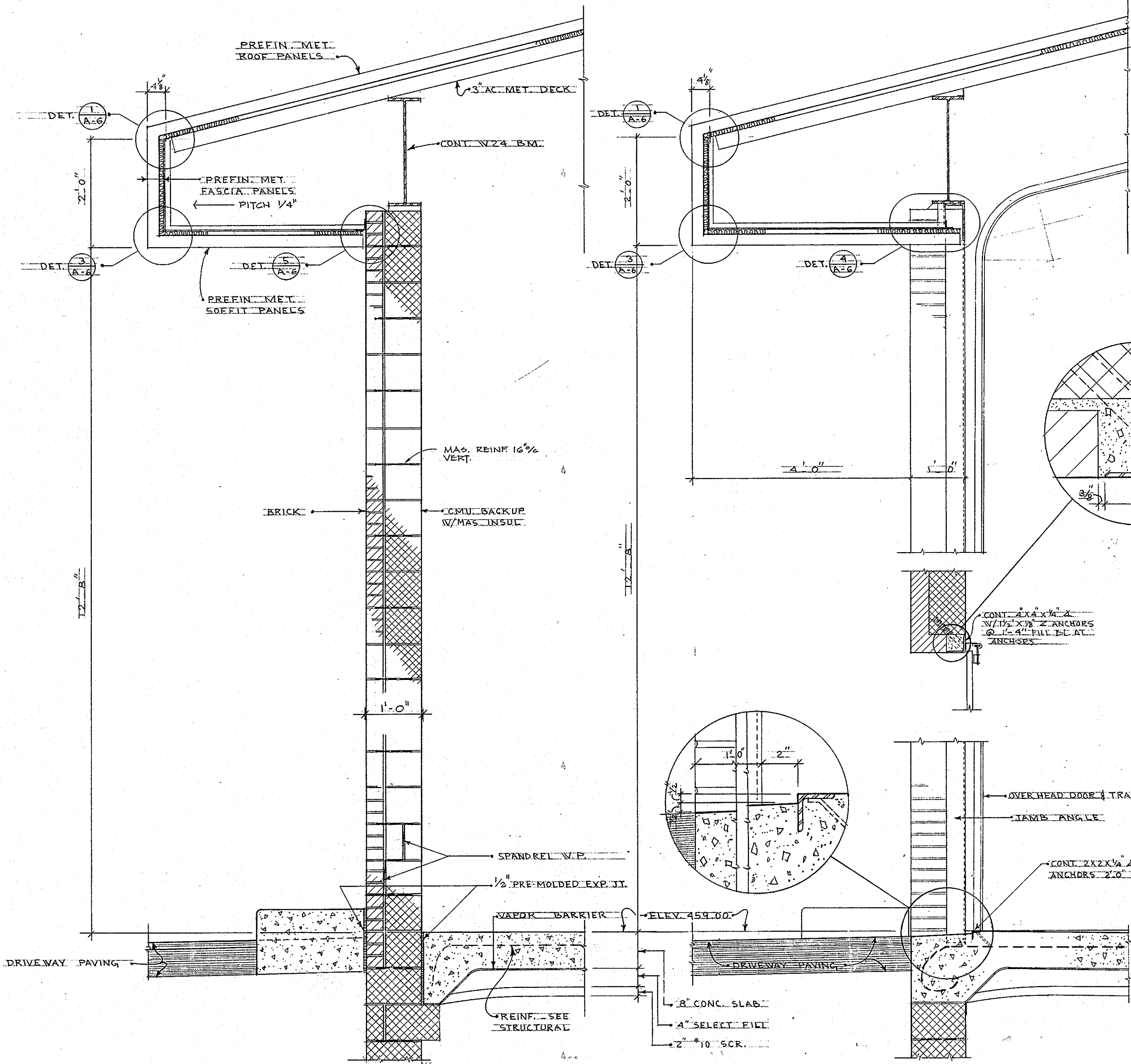
SHEET NO.  
**44**  
RECORD DRAWING  
JUNE 74

517



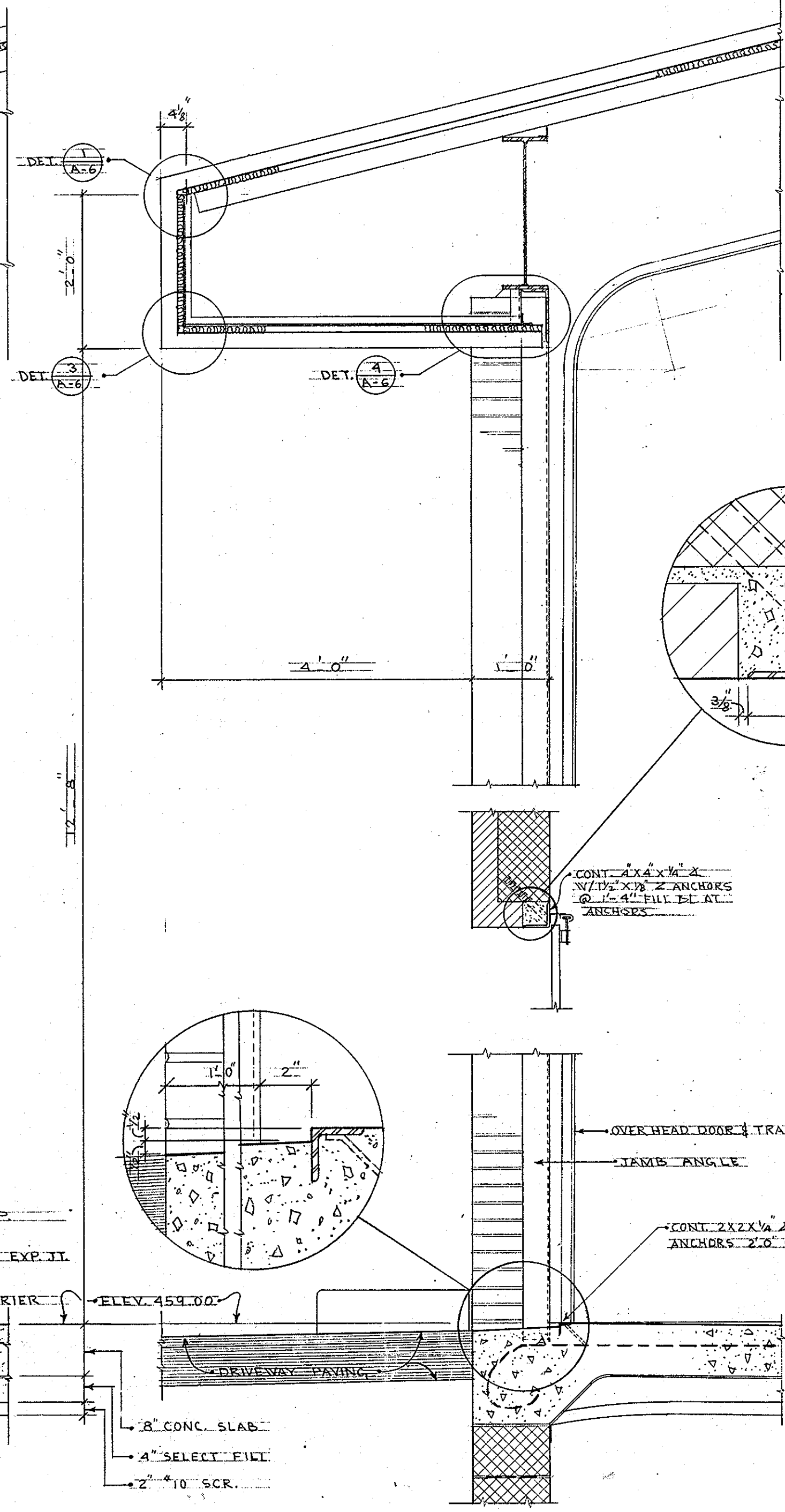


SCALE FOR ALL DETAILS 3/4" = 1'-0" TYPICAL

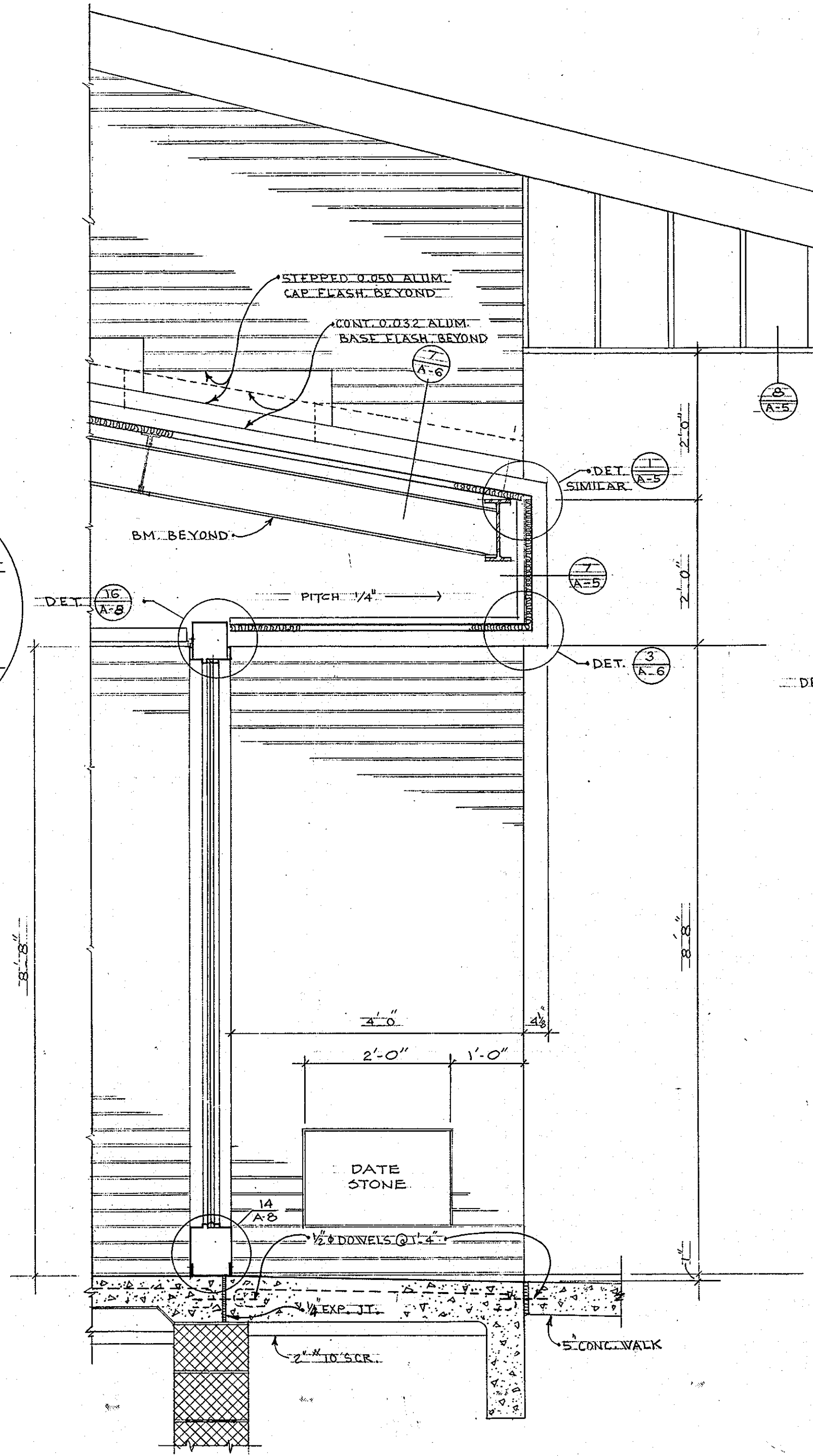


SECTION (F)

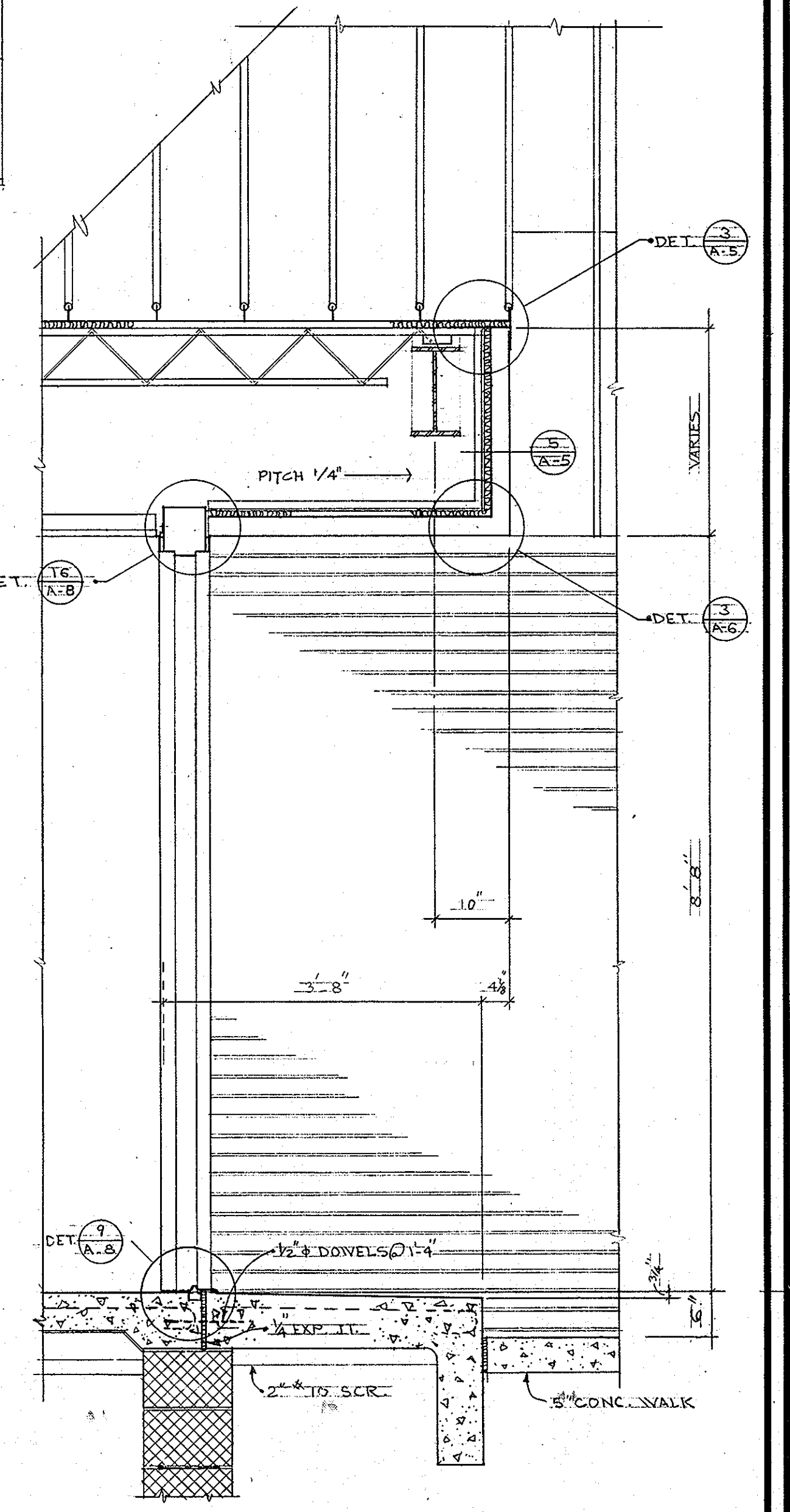
SCALE FOR ALL SECTIONS 3/4" = 1'-0" TYPICAL



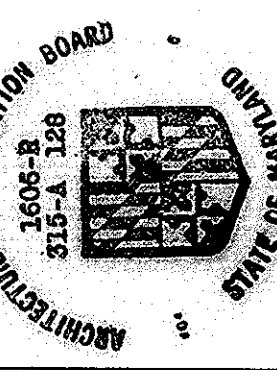
SECTION (H)



SECTION (I)



SECTION (J)



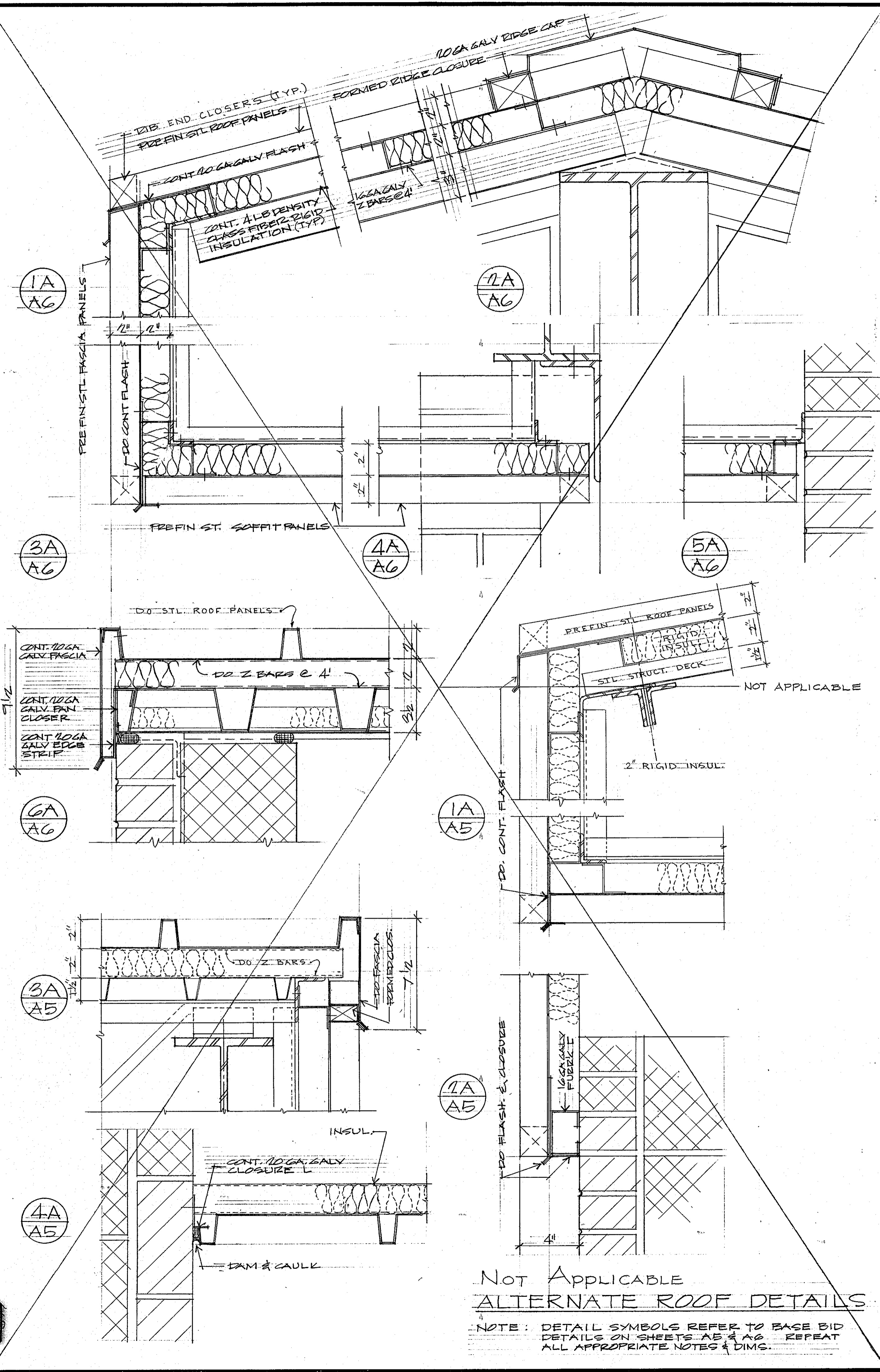
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PROJ. FS0001

SCV SANDLASS, CRAYCROFT & VERKERKE ARCHITECTS  
VAN RENSSELAER P SAXE STRUCTURAL ENGINEER  
S YEARDLEY SMITH INC MECHANICAL ENGINEERS

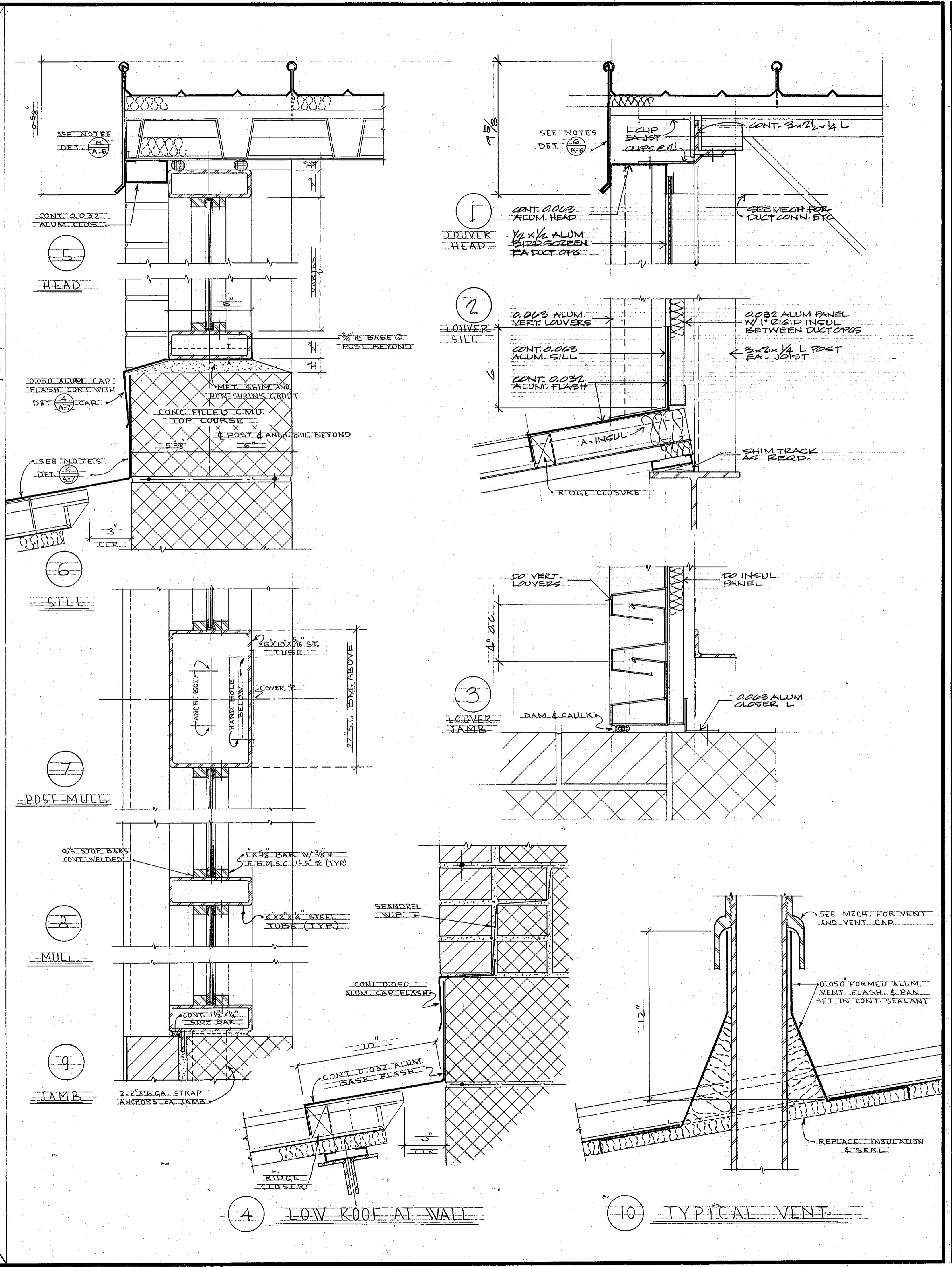
WALL SECTIONS AND DETAILS

OCTOBER 1972  
SHEET NO. **16**  
RECORD DRAWING\* JUNE 74

517



Not Applicable  
 ALTERNATE ROOF DETAILS  
 NOTE: DETAIL SYMBOLS REFER TO BASE BID DETAILS ON SHEETS AB & AG. REPEAT ALL APPROPRIATE NOTES & DIMS.



ARCHITECTURAL REGISTRATION BOARD  
 REGISTERED ARCHITECT  
 DIVISION OF STATE

**ROUTE 99 FIRE STATION**  
 FOR THE DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 PROJ. FS0001

SCV SANDLASS CRAYCROFT & VERKERKE ARCHITECTS  
 VAN RENSSELAER P. SAXE STRUCTURAL ENGINEER  
 S. YEARDLEY SMITH, INC. MECHANICAL ENGINEERS

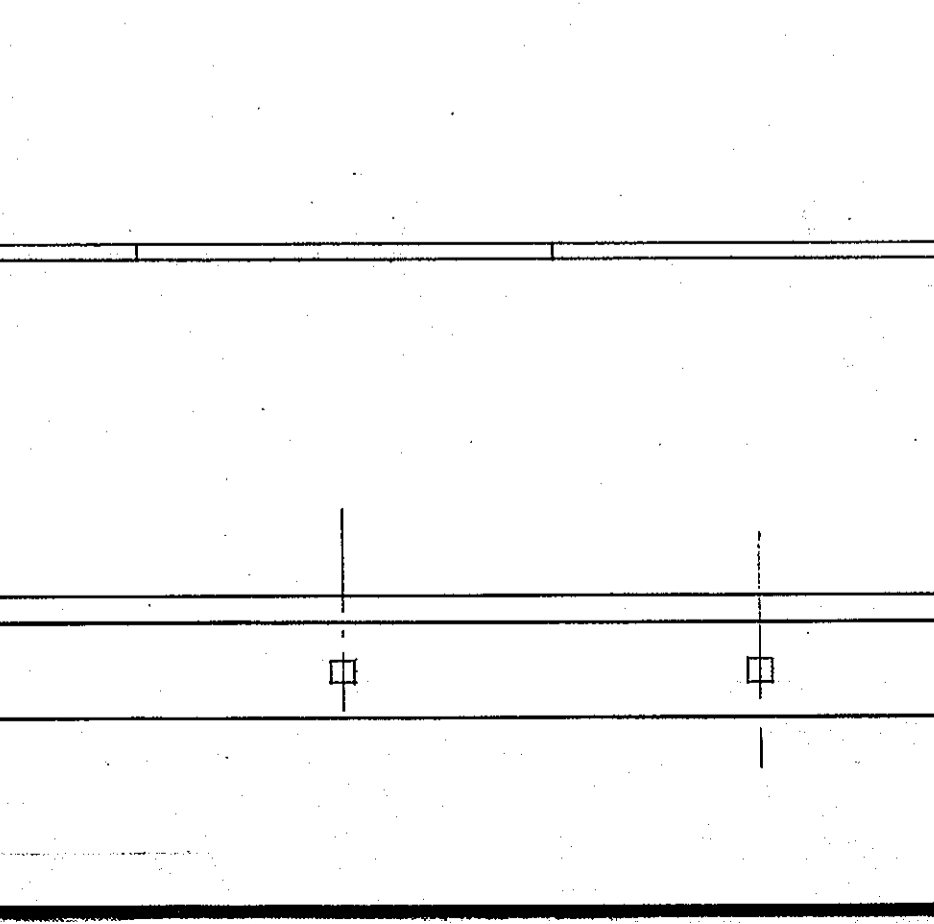
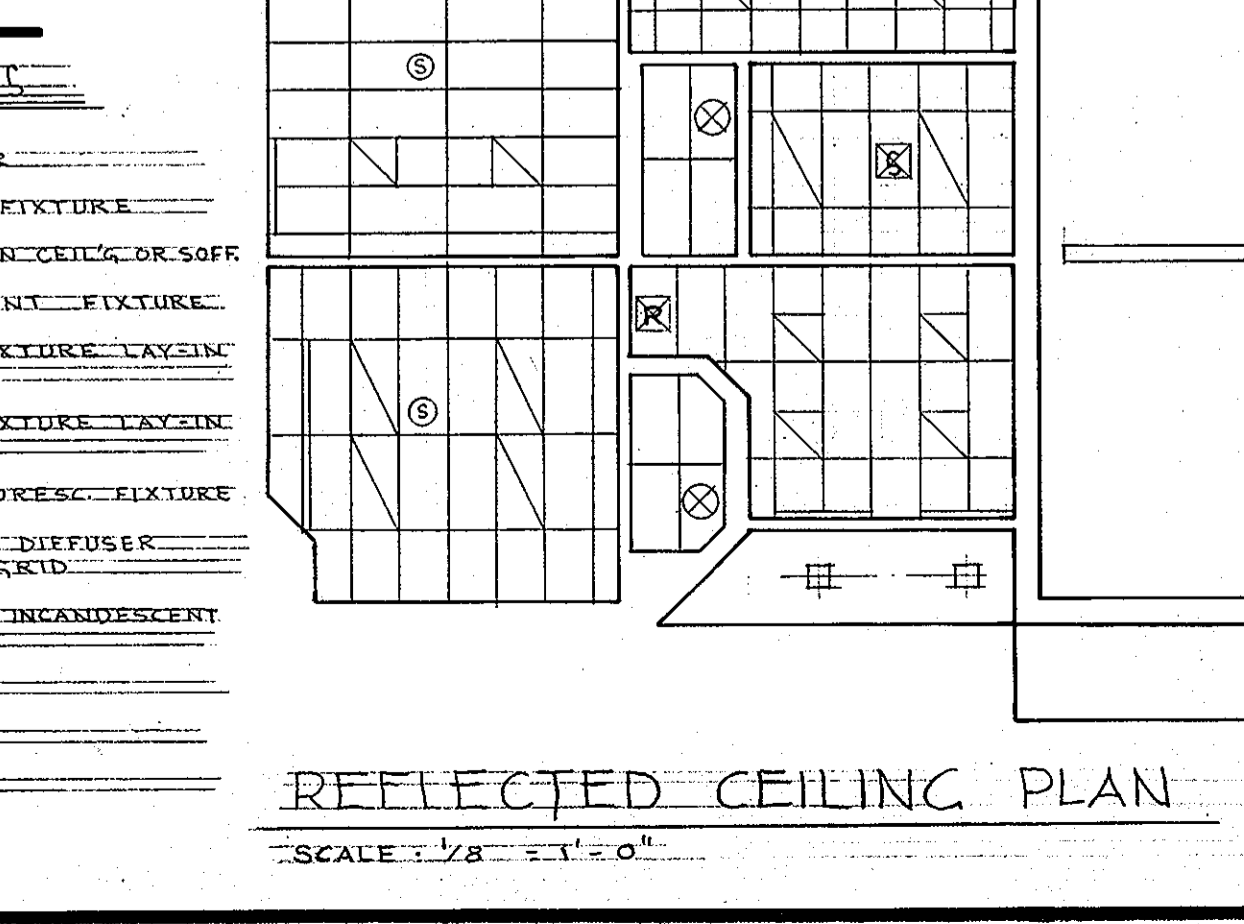
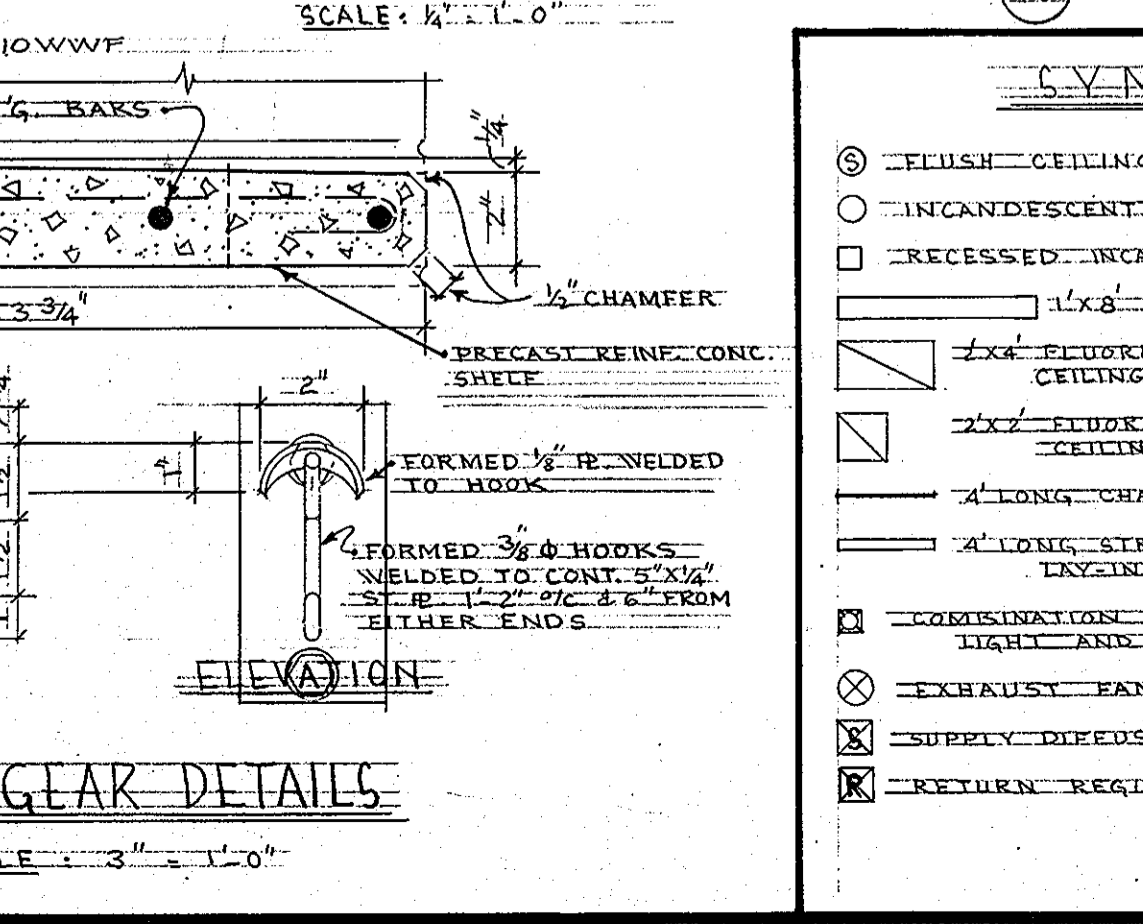
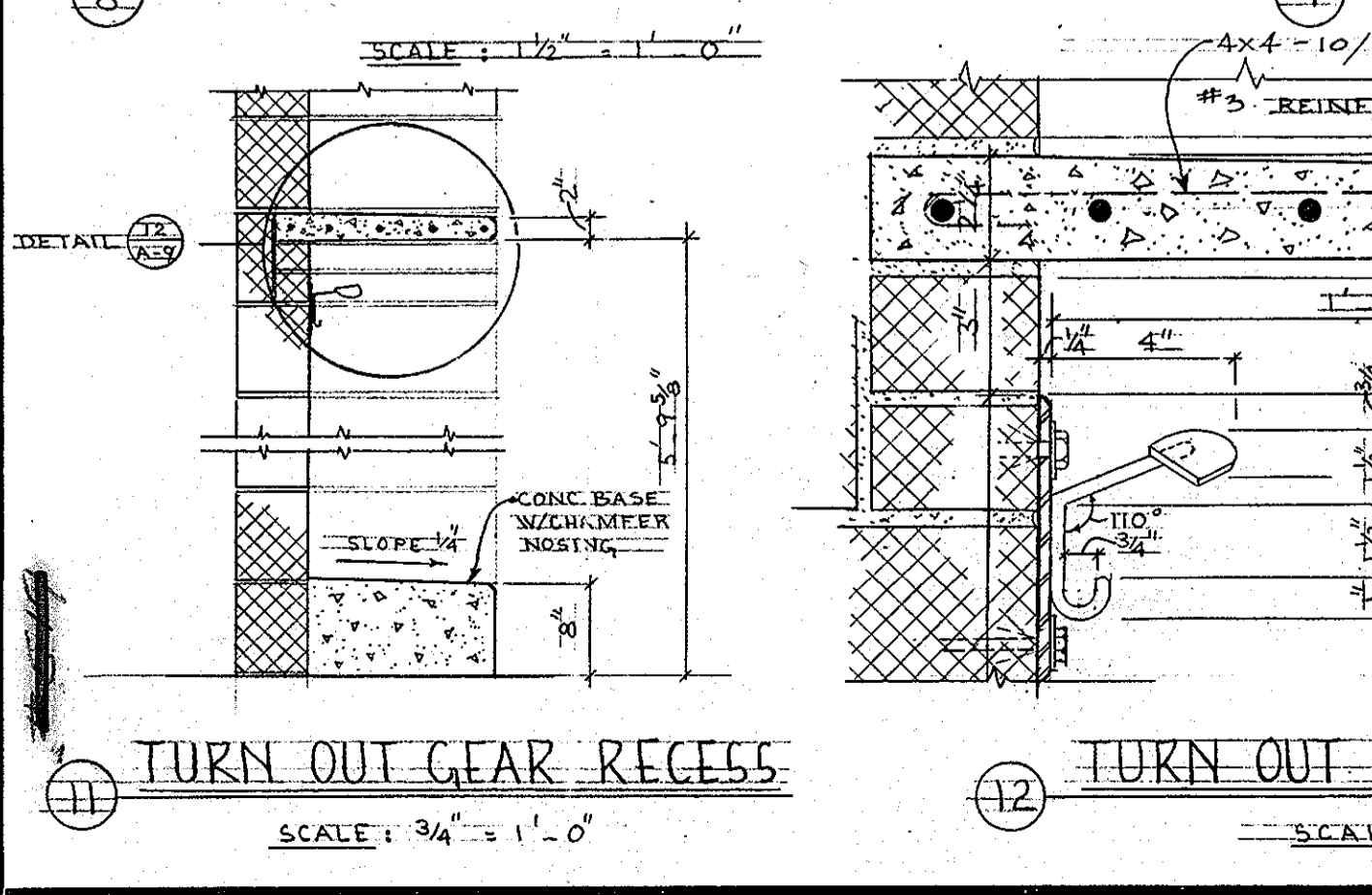
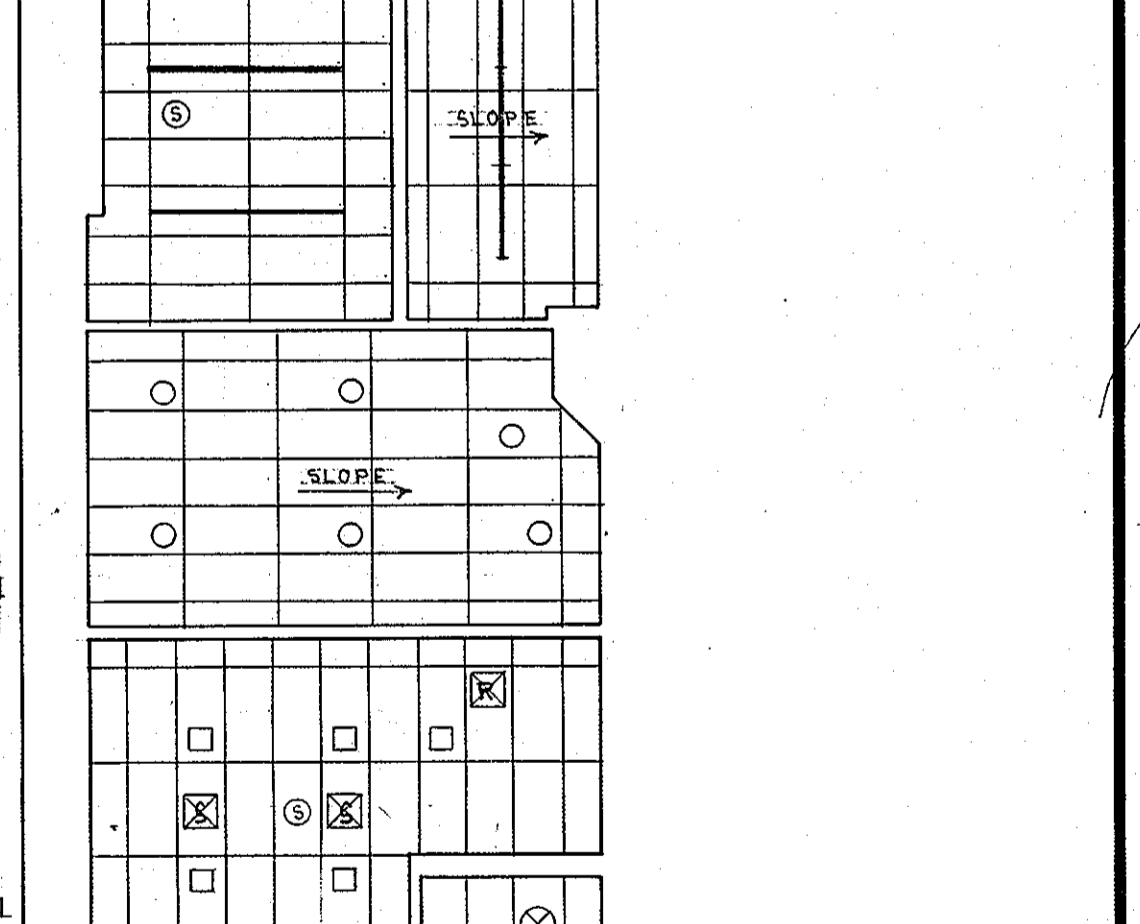
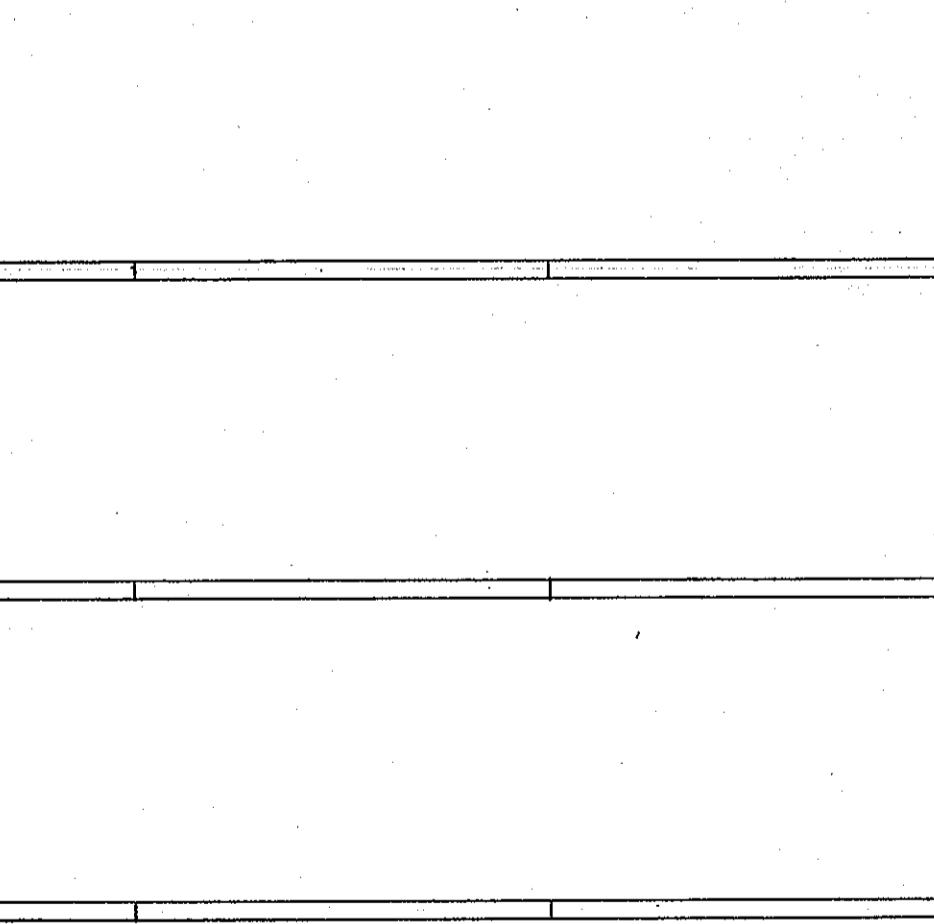
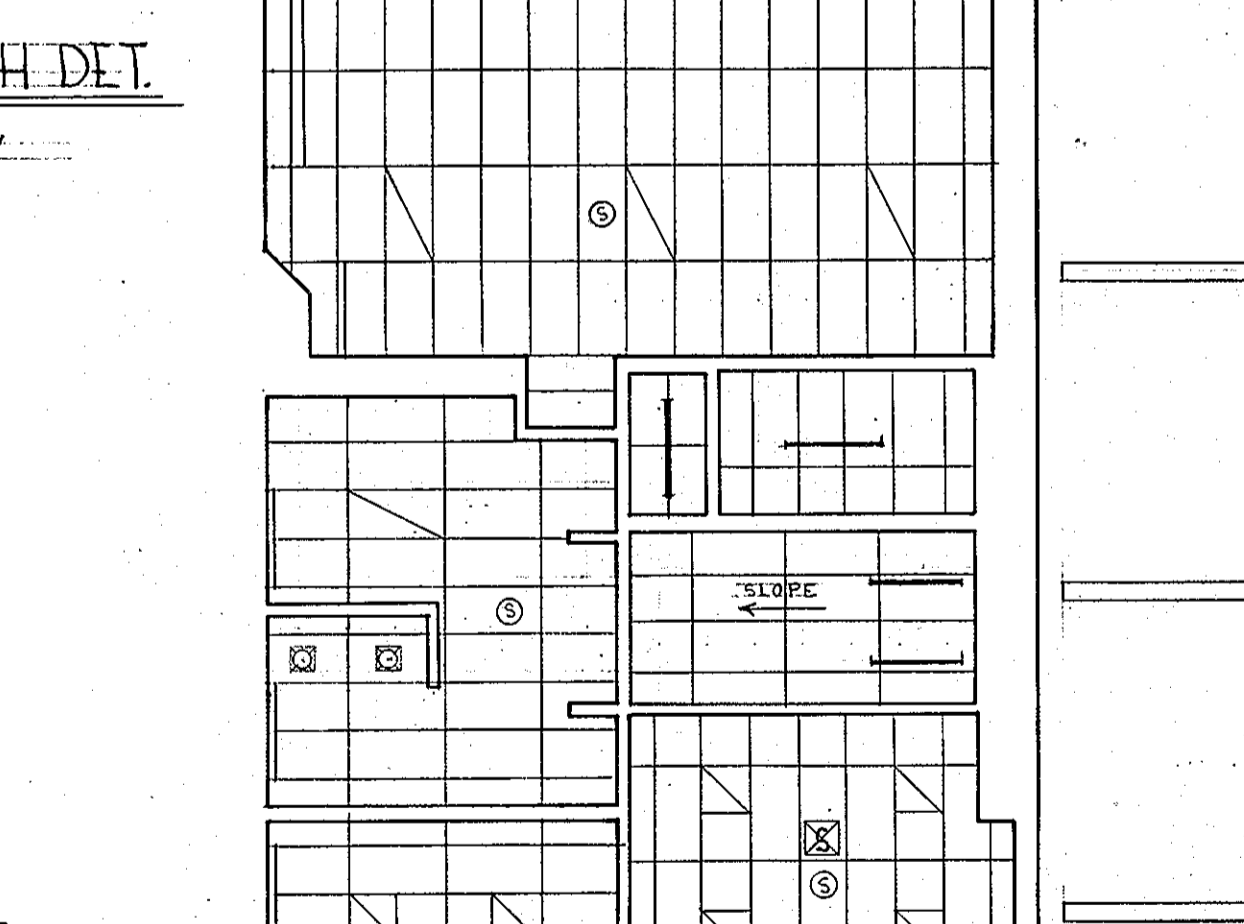
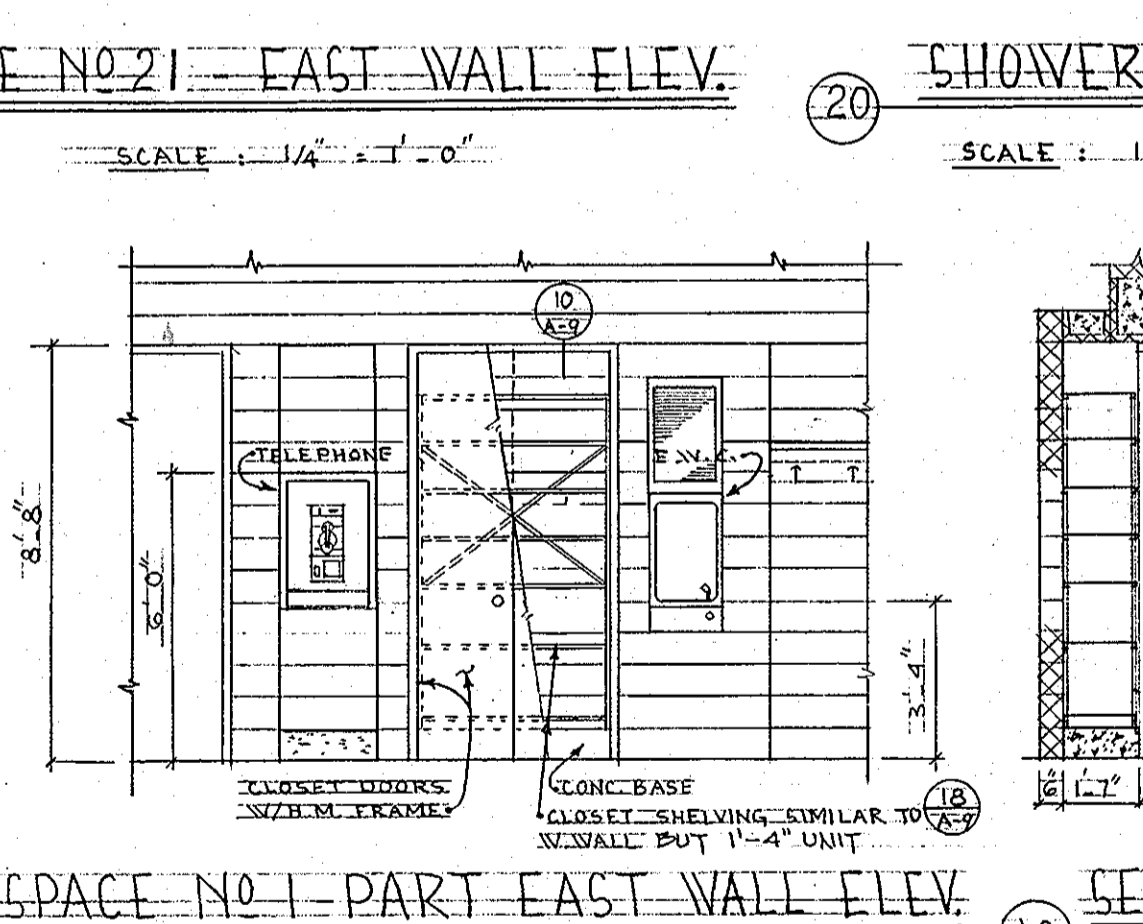
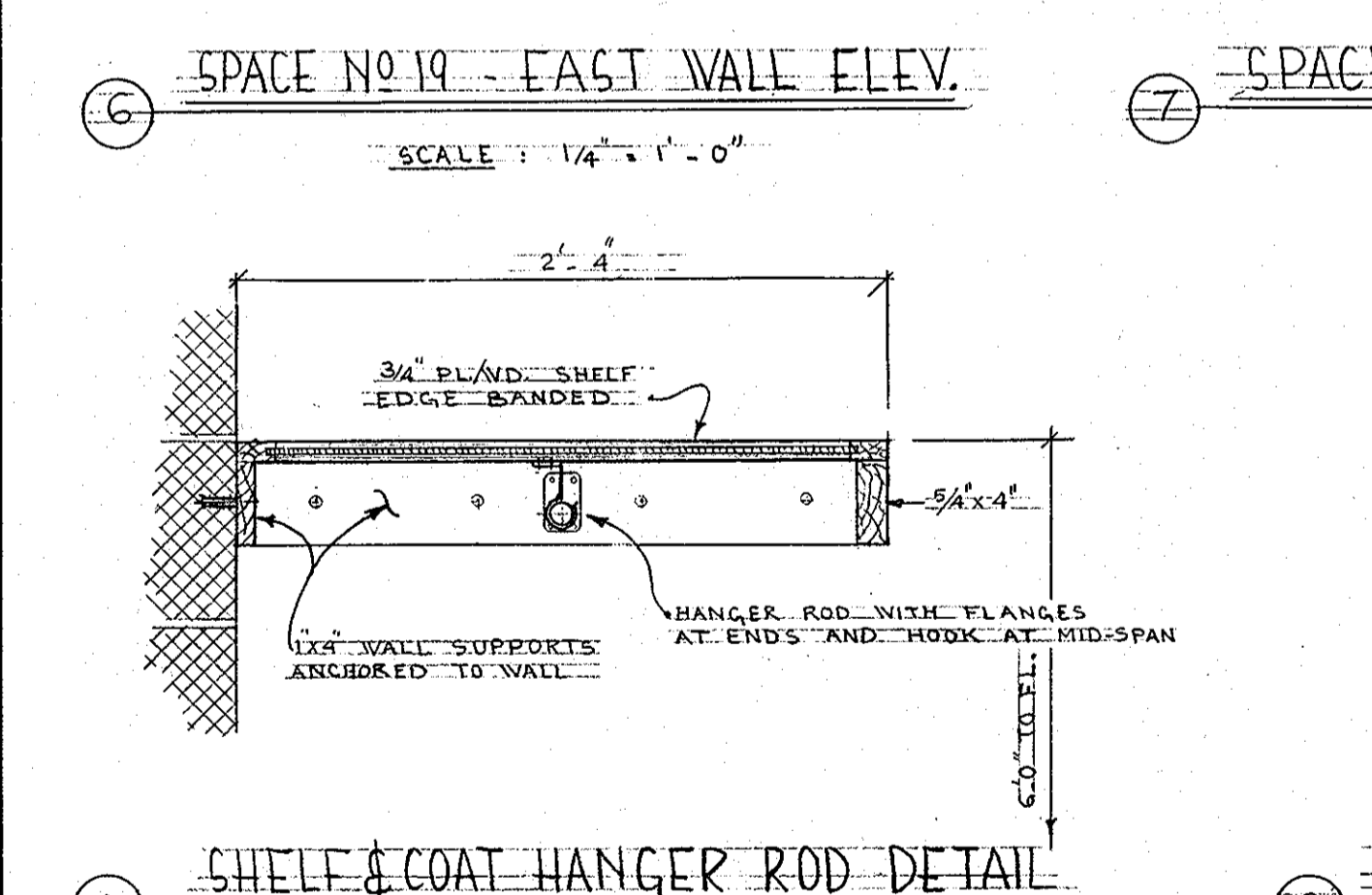
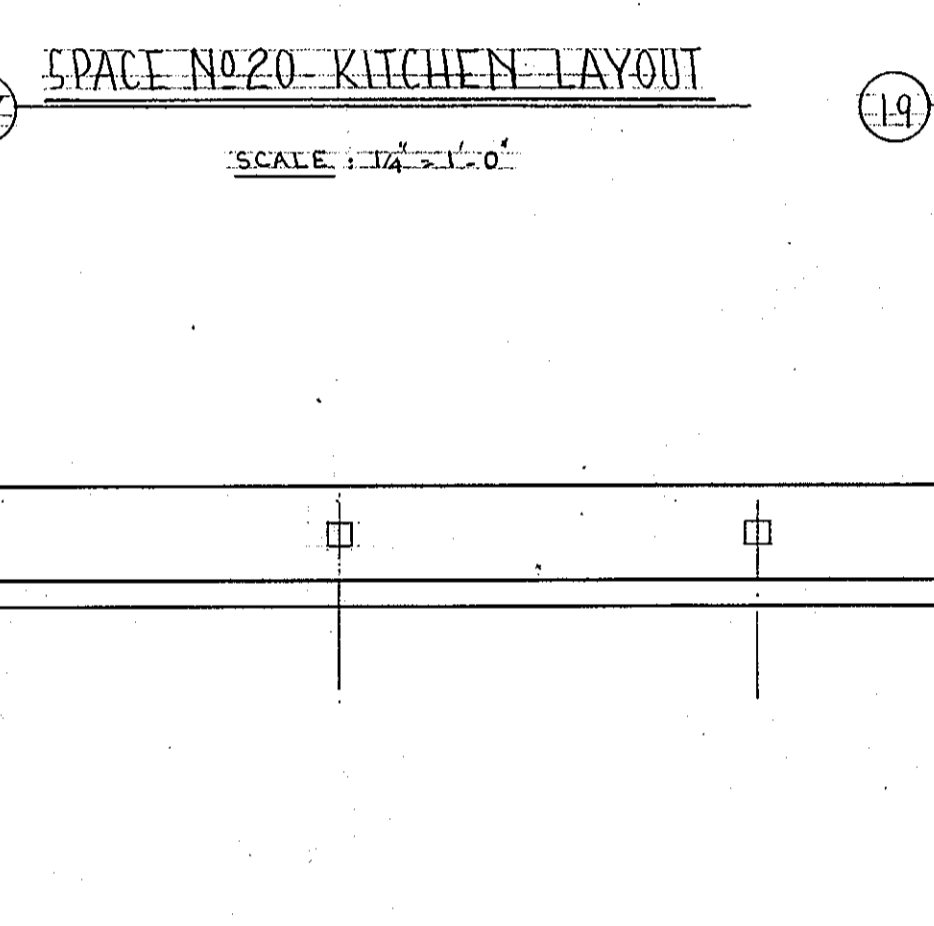
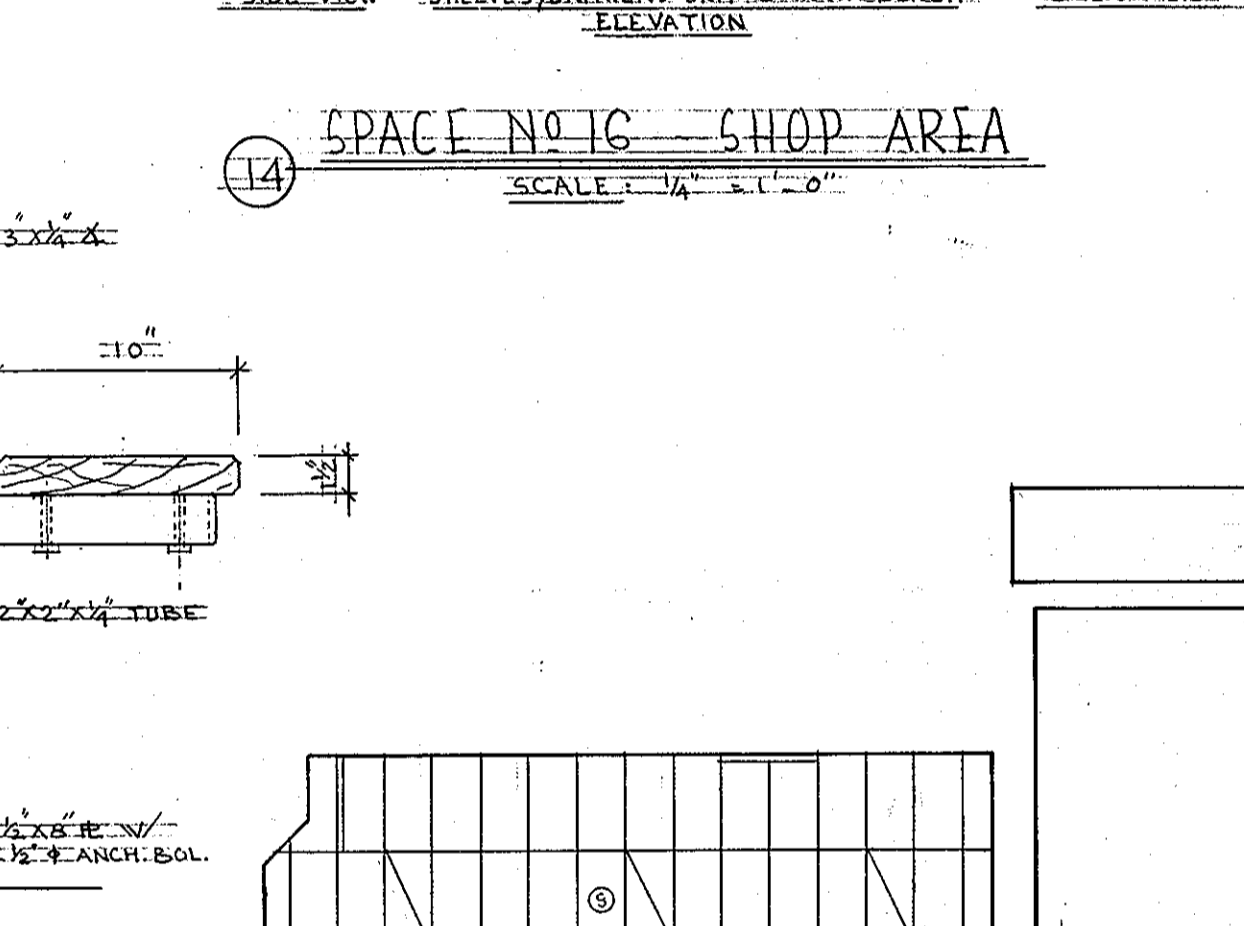
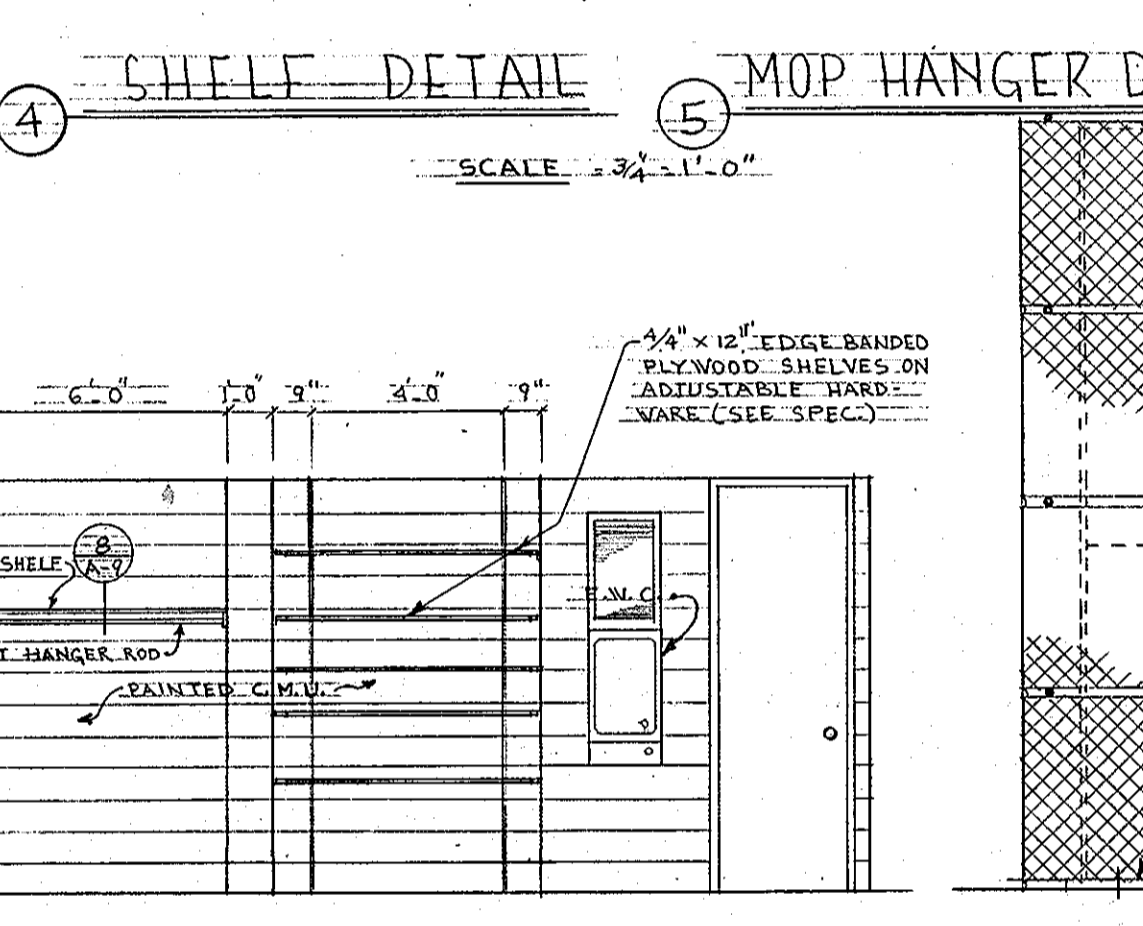
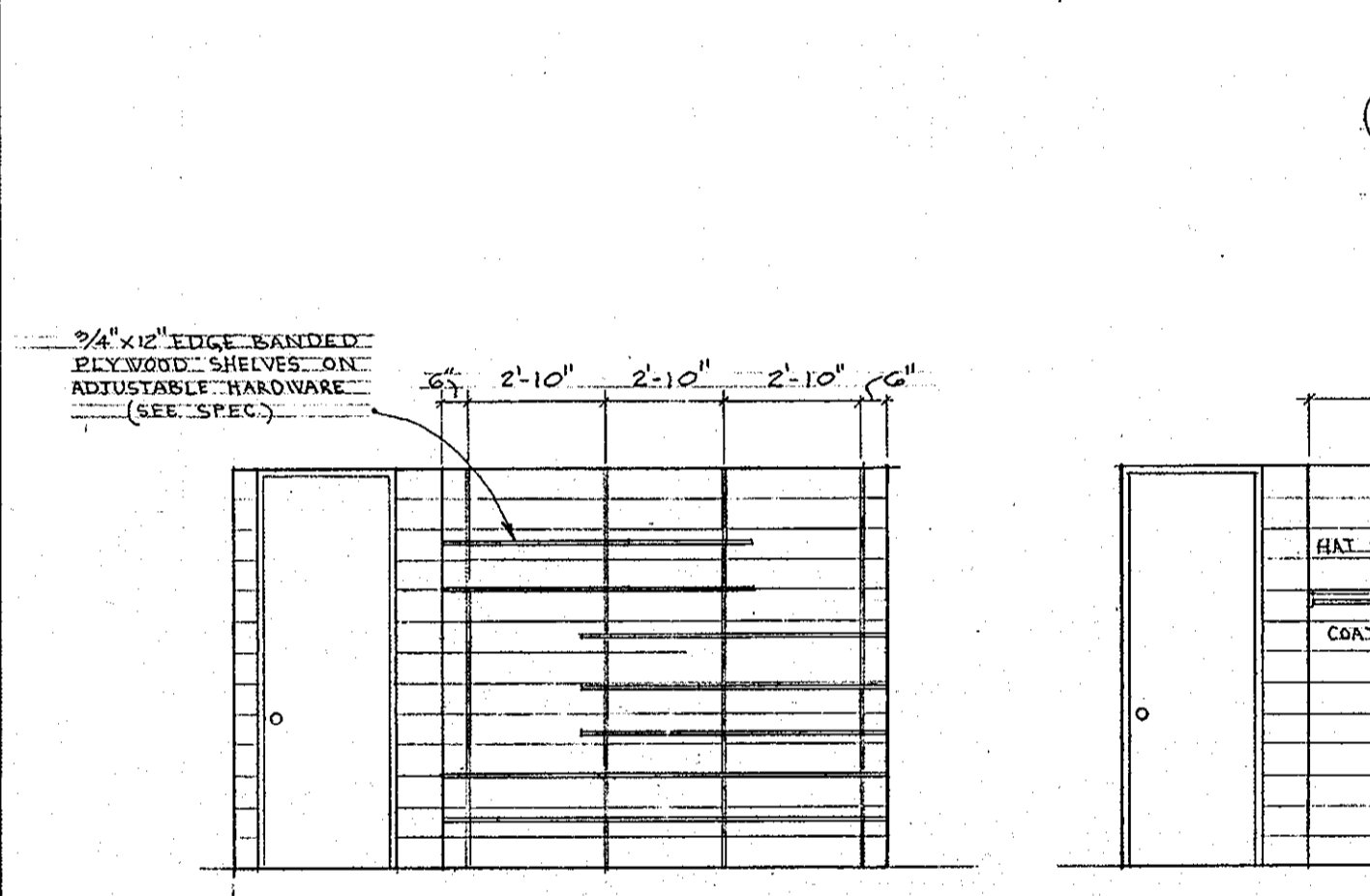
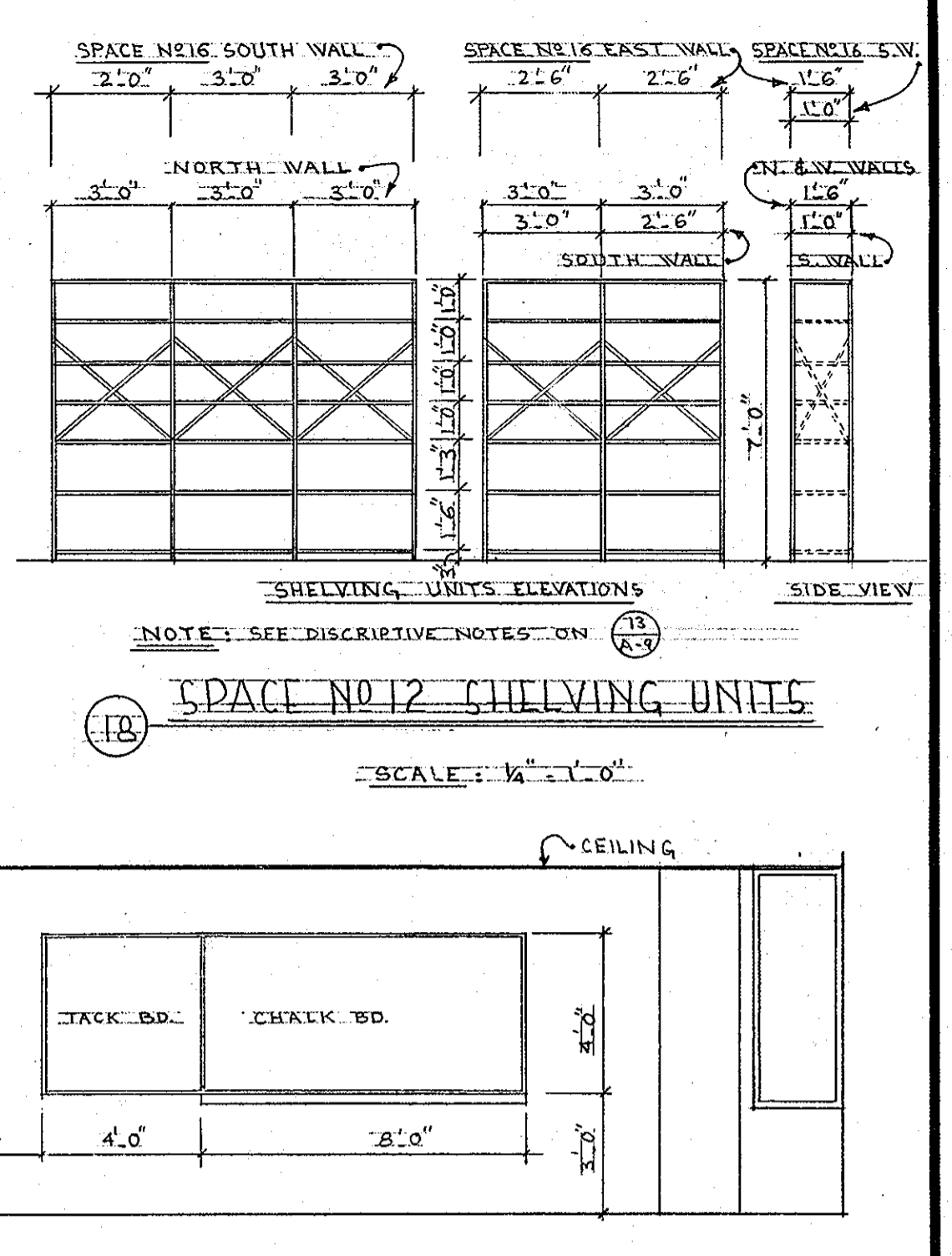
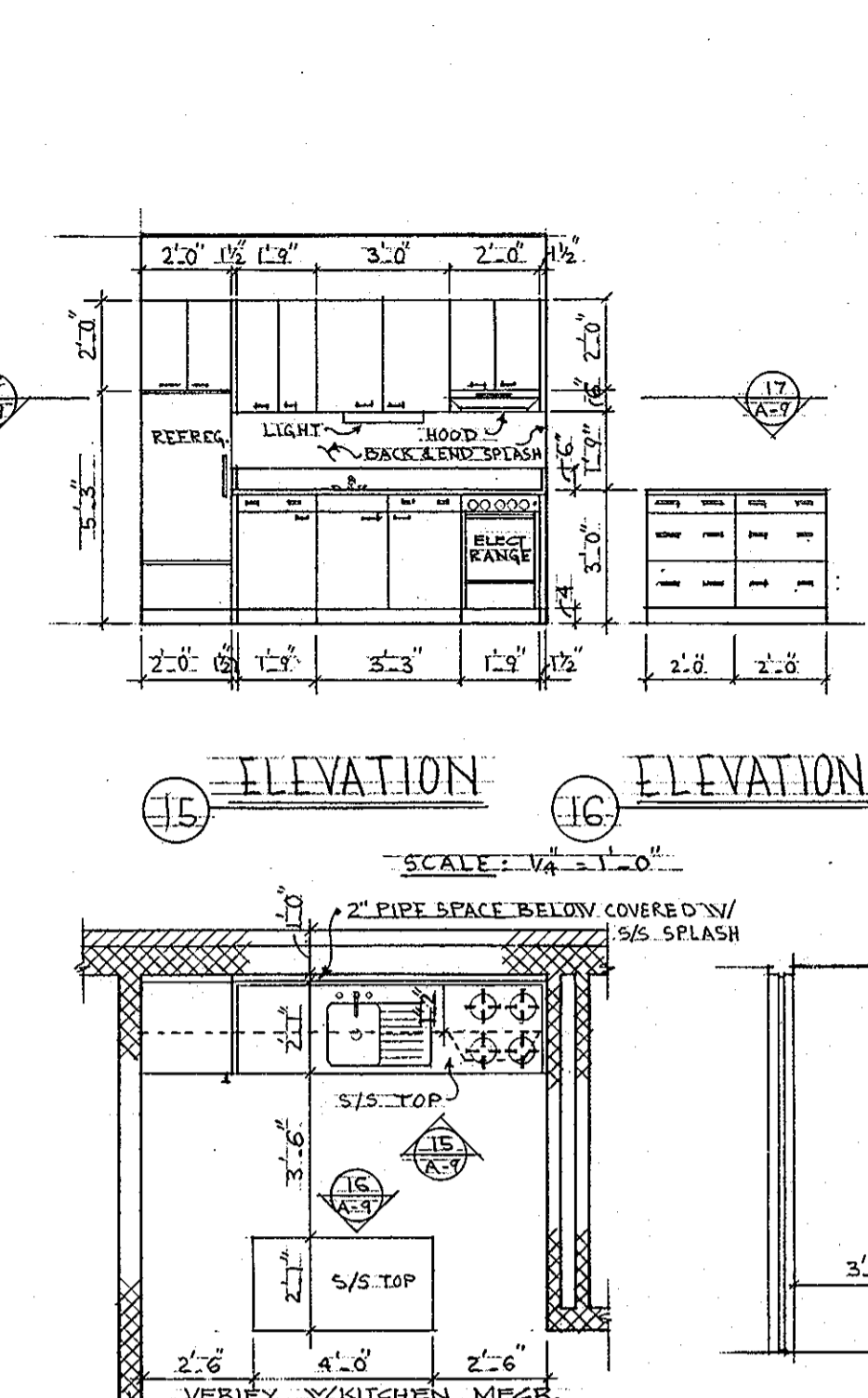
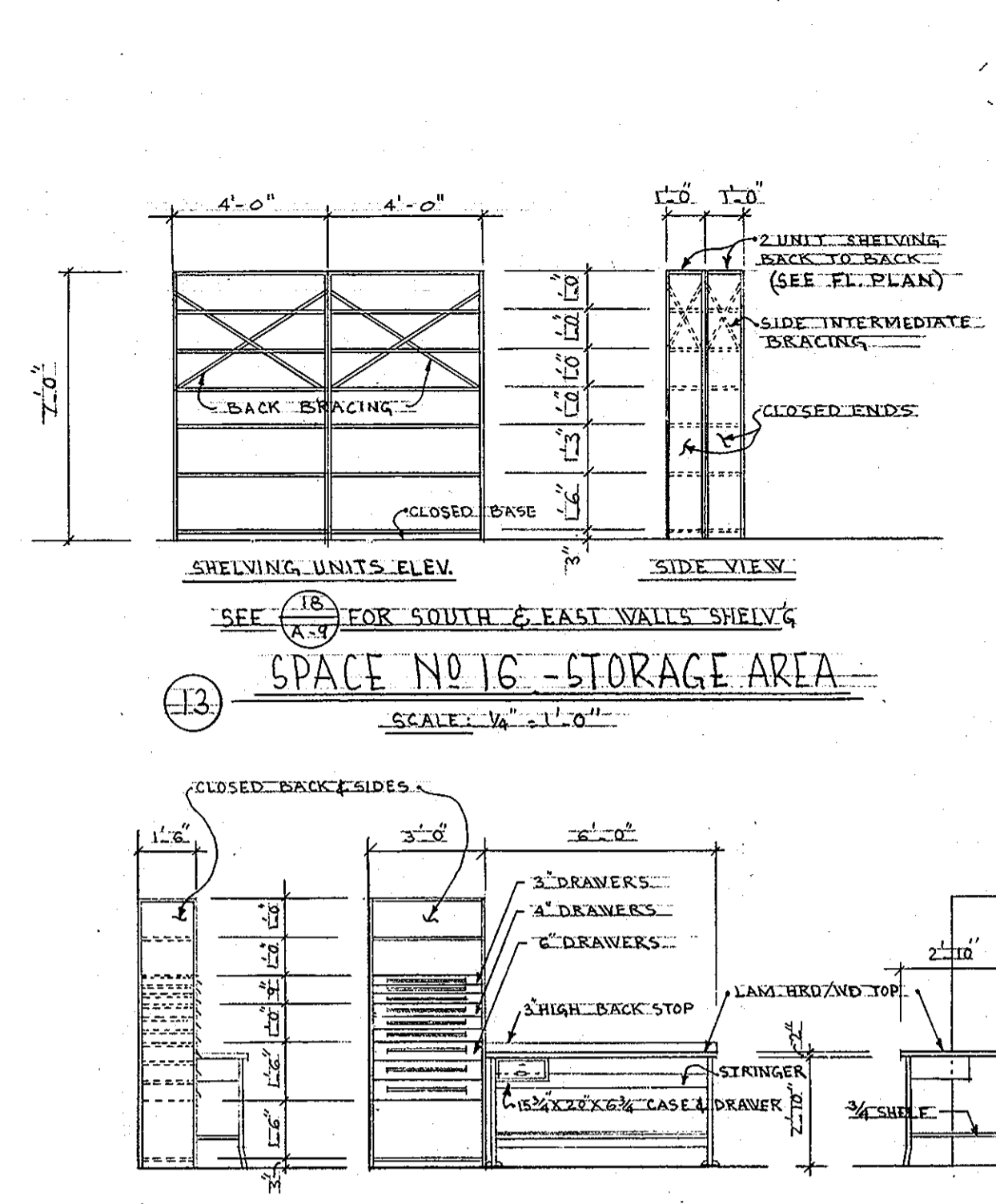
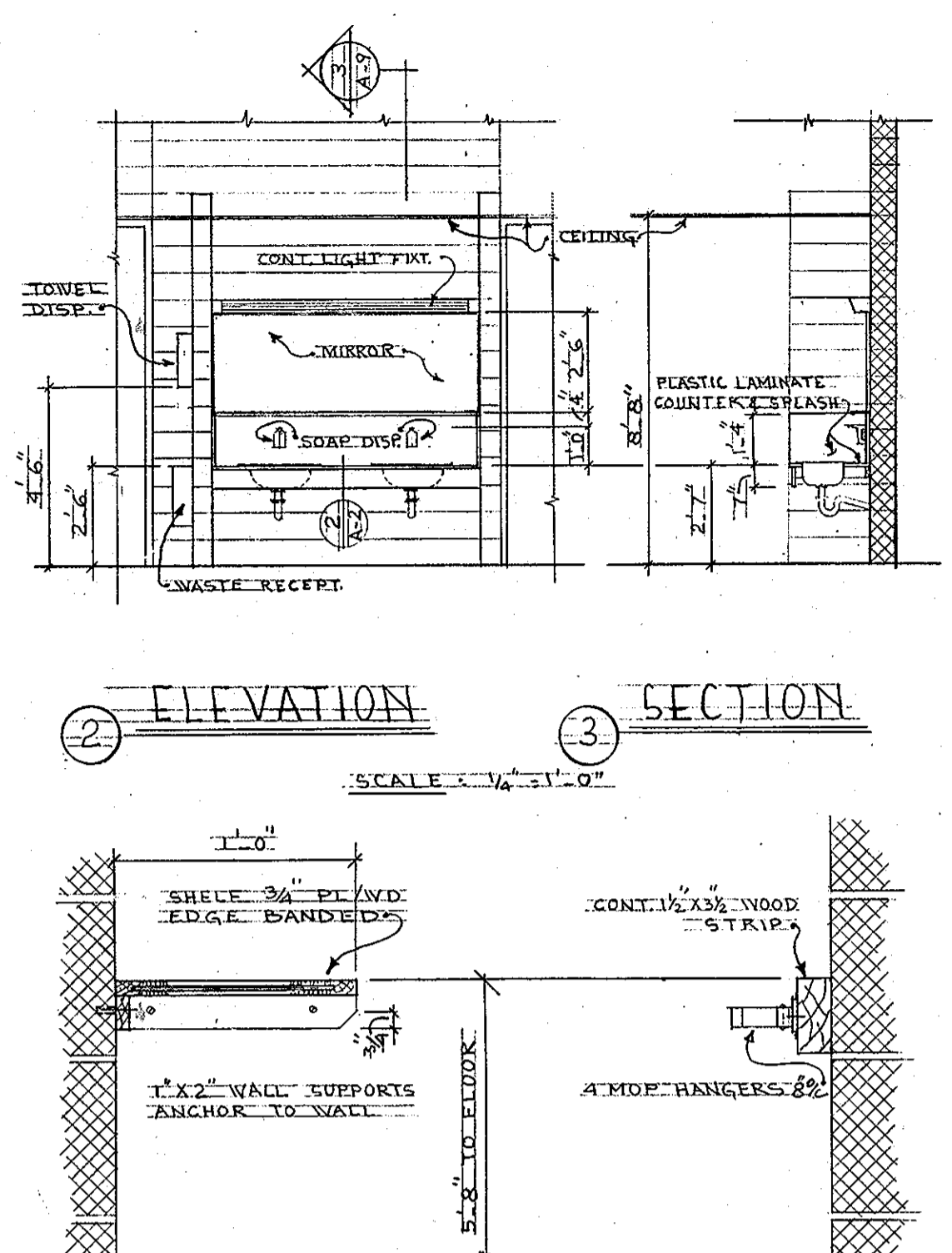
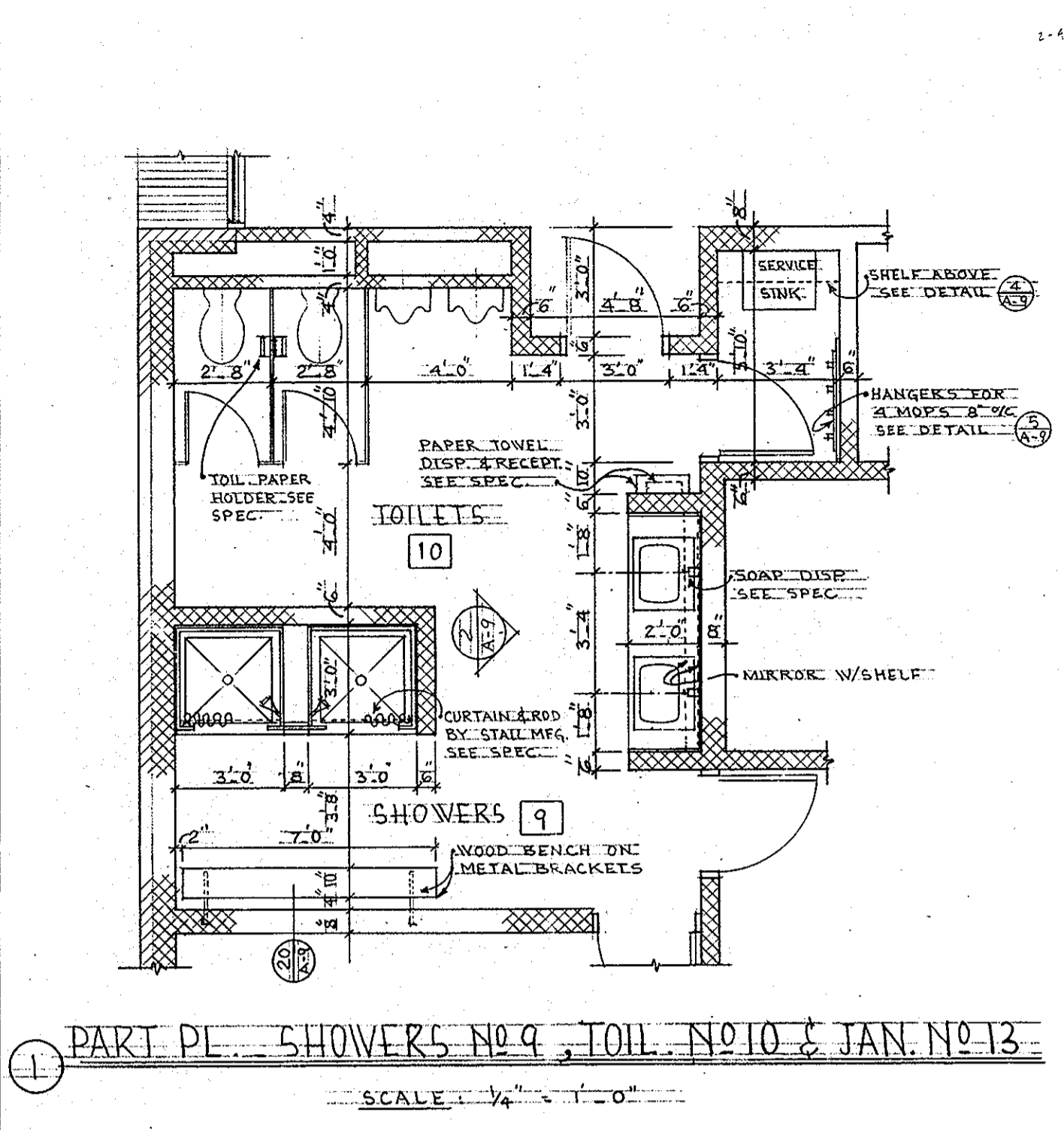
SECTIONS & DETAILS

OCTOBER 1972

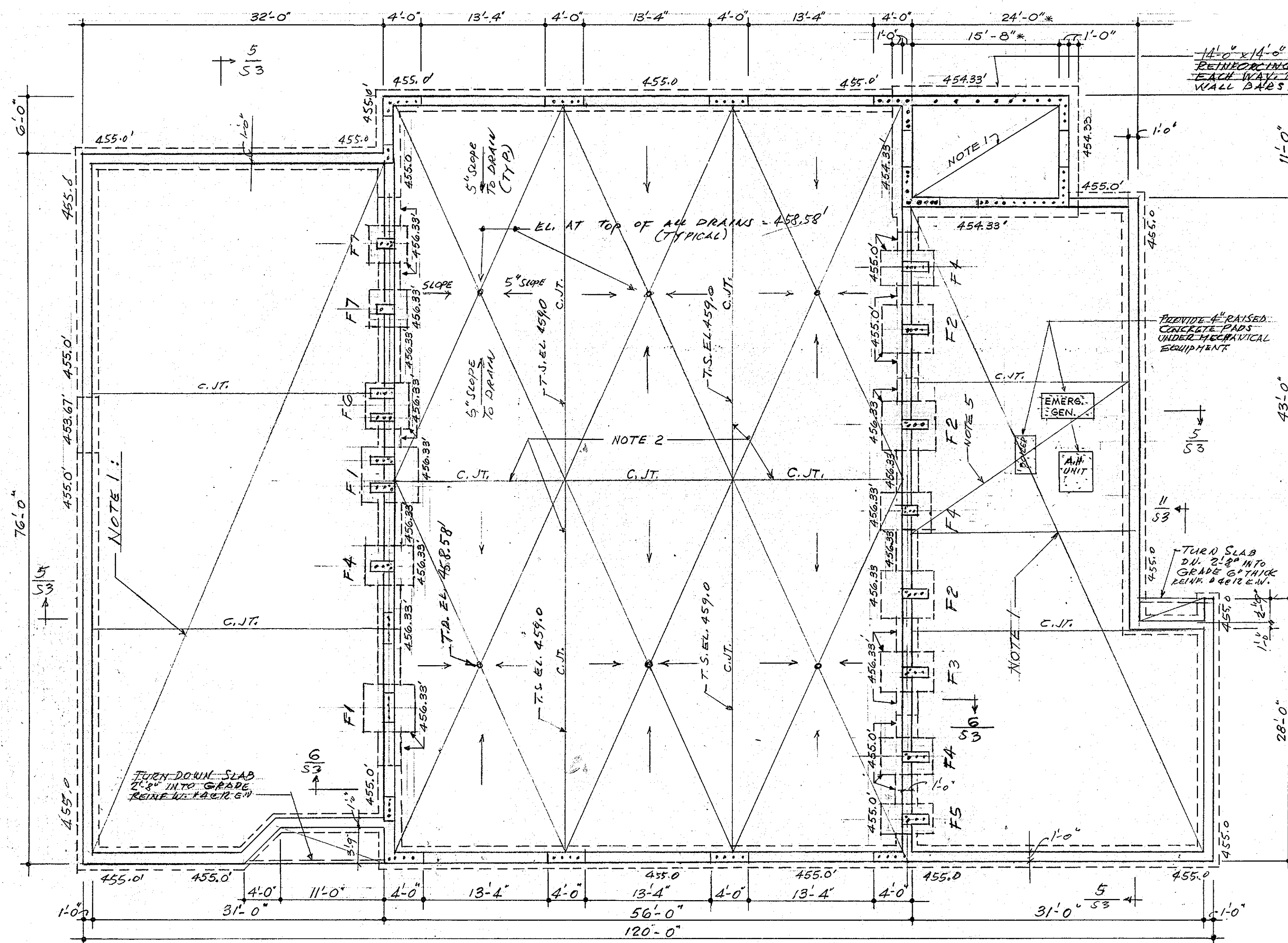
SHEET NO. **A7**  
 RECORD DRAWING  
 JUNE 74





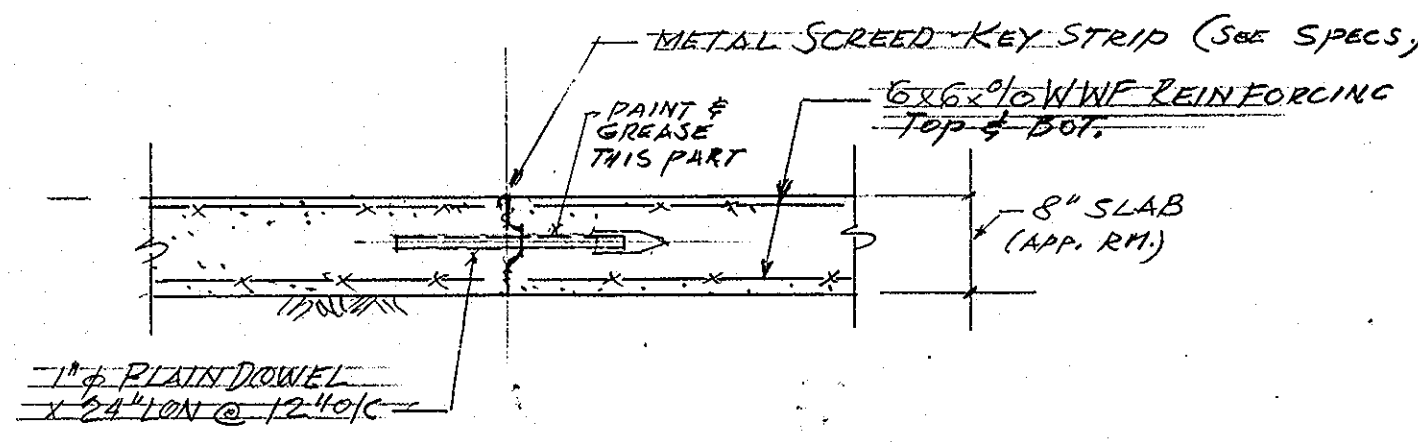


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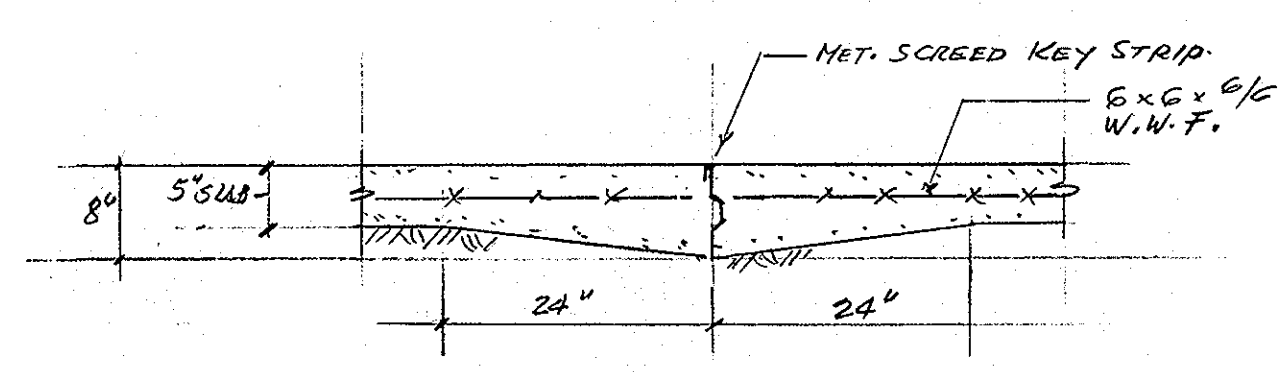


**FOOTING SCHEDULE** NOTE: FIRST DIMENSION IS IN EAST-WEST DIRECTION

NO	SIZE	REINFORCING	
		LONG WAY	SHORT WAY
F1	6'-0" x 6'-0" x 1'-4"	11-#5	11-#5
F2	5'-6" x 5'-6" x 1'-4"	10-#5	10-#5
F3	5'-6" x 4'-6" x 1'-4"	10-#5	8-#5
F4	5'-6" x 4'-0" x 1'-4"	10-#5	7-#5
F5	5'-6" x 3'-6" x 1'-4"	10-#5	6-#5
F6	5'-6" x 5'-6" x 1'-4"	9-#5	9-#5
F7	4'-0" x 4'-0" x 1'-4"	7-#5	7-#5



① TYPICAL CONTROL JOINT (C.J.T.)  
DETAIL FOR 8" SLAB  
NOTE: CONTROL JOINT MAY SERVE AS CONSTRUCTION JOINT



② TYPICAL CONTROL JOINT (C.J.T.)  
IN 5" CONCRETE SLAB  
NOTE: CONTROL JOINT MAY SERVE AS CONSTRUCTION JOINT

**GENERAL NOTES:**

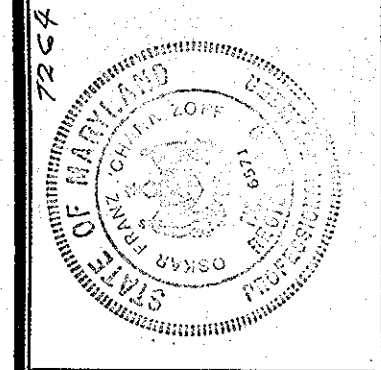
- FOUNDATIONS ARE DESIGNED FOR A SOIL BEARING CAPACITY OF 1500PSF THROUGHOUT. ALL FOOTINGS TO EXCEED A MINIMUM OF 3'-0" BELOW FINISHED GRADE. SEE SPECIFICATION FOR TESTING OF SUBSOIL AND CONTROL OF FILL.
- CONCRETE TO HAVE THE FOLLOWING COMPRESSIVE STRENGTH AT 28 DAYS:  
SLABS ON GRADE: 3500 PSI  
ALL OTHER CONCRETE: 3000 PSI  
REINFORCING STEEL TO CONFORM TO THE FOLLOWING SPECIFICATIONS:  
ASTM-A615 - GRADE 40; ALL STIRRUPS AND TIES  
ASTM-A615 - GRADE 60; ALL OTHER RE-BARS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM-A36 AND TO BE MANUFACTURED AND ERECTED IN STRICT CONFORMANCE TO AISC SPECIFICATIONS AS AMENDED TO DATE. ALL WELDING TO BE PERFORMED IN STRICT ACCORDANCE WITH LATEST RECOMMENDATIONS OF THE A.W.S. SHOP AND FIELD INSPECTION BY APPROVED TESTING LABORATORY (SEE SPECIFICATION FOR ALLOWANCE).
- OPEN WEB STEEL JOISTS. JOIST MANUFACTURER SHALL BE A MEMBER OF THE S.I.I. ALL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED ACCORDING TO S.I.I. STANDARDS, EXCEPT THAT ADDITIONAL BRIDGING SHALL BE SUPPLIED AS SHOWN ON PLANS AND DETAILS (CROSS-BRIDGING AT ENDBAYS). ALL STEEL JOISTS SHALL BE H-SERIES JOISTS.
- ROOF-DECKS SEE SPECIFICATIONS
- LINTELS. ALL OPENINGS IN WALLS AND PARTITIONS TO BE PROVIDED WITH LINTELS OF EITHER CMU FORMED IN PLACE, OR PRECAST CONCRETE OR STRUCTURAL STEEL. PROVIDE 4" MINIMUM END BEARING FOR LINTELS IN NON BEARING PARTITIONS AND 8" MINIMUM END BEARING FOR LINTELS IN ALL BEARING WALLS. FOR ANY OPENING NOT SPECIFICALLY COVERED ON DRAWINGS PROVIDE ONE ANGLE 4x3 1/2 x 5/16 (L.I.V.) FOR EACH 4" OF WALL THICKNESS AND SPANS OF UP TO 6'-0", ONE ANGLE 6x3 1/2 x 5/16 (L.I.V.) FOR EACH 4" OF WALL THICKNESS FOR SPANS OVER 6'-0" UP TO 8'-0". CONCRETE LINTELS SHALL HAVE ONE #5 RE-BAR TOP AND BOT. FOR EACH 4" OF WALL THICKNESS IN BEARING WALLS AND ON #4 BAR TOP AND BOT. IN NON BEARING WALLS.
- DESIGN DATA:  
LIVE LOADS:  
F<sub>y</sub> = 36.0 KSI (STRUCT. STEEL) ROOFS 30 PSF  
F<sub>y</sub> = 60.0 KSI AND 40.0 KSI (REINFORCING STEEL) APPARATUS ROOM FLOOR 250 PSF  
F<sub>c</sub> = .45 F<sub>c</sub> ALL OTHER FLOORS 100 PSF

**FOUNDATION & FIRST FLOOR PLAN. scale 1/8" = 1'-0"**

**NOTE:**

- 5" SLAB ON CONTROLLED COMPACTED FILL REINFORCED WITH 6x6x9/16 W.W.F. TOP OF SLAB EL. 459.0'
- 8" CONCRETE SLAB ON CONTROLLED COMPACTED FILL REINFORCED TOP 1 BOT. LAYER OF 6x6x9/16 W.W.F. SLOPE SLAB TO DRAINS AS SHOWN ON PLAN. HIGH POINTS OF SLAB EL. 459.0'
- PROVIDE ADDITIONAL BOTTOM REINFORCING IN SLABS AT PERIMETER BEARING WALLS AS SHOWN ON SECTIONS AND DETAILS.
- WHEREVER REINFORCING IS SHOWN ON PLAN THUS: [REINFORCING SYMBOL] PROVIDE CORRESPONDING NUMBER OF #5 VERTICAL REINFORCING BARS IN MASONRY WALLS UP TO 2'-0" DEEP BEAM LOCATED ABOVE WALL RECESSES IN APPARATUS ROOM AND UP TO ROOF SLAB IN HOSE TOWER. ALL REINFORCED PORTIONS OF WALLS TO BE FILLED WITH CONCRETE. ALL REINFORCING BARS TO BE DOWELLED TO FOOTINGS WITH 24 DIAMETERS LAP.
- PROVIDE 6x6x9/16 W.W.F. IN TOP OF SLAB AT MECHANICAL EQUIPMENT ROOM.

CALL TO NORTH



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HOWARD COUNTY, MARYLAND  
PROJ. FS0001

SCV ARCHITECTS SANDLASS CRAWCROFT & VERKERKE  
VAN RENSSELAER P SAXE STRUCTURAL ENGINEER  
S YEARDLEY SMITH INC MECHANICAL ENGINEERS

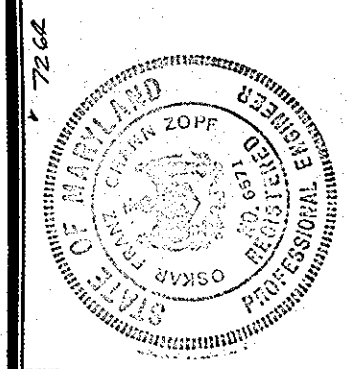
FOUNDATION PLAN

OCTOBER 1972

SHEET NO.

**S-1**  
RECORD DRAWING  
JUNE 74

517



**ROUTE 99 FIRE STATION**  
 FOR THE DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
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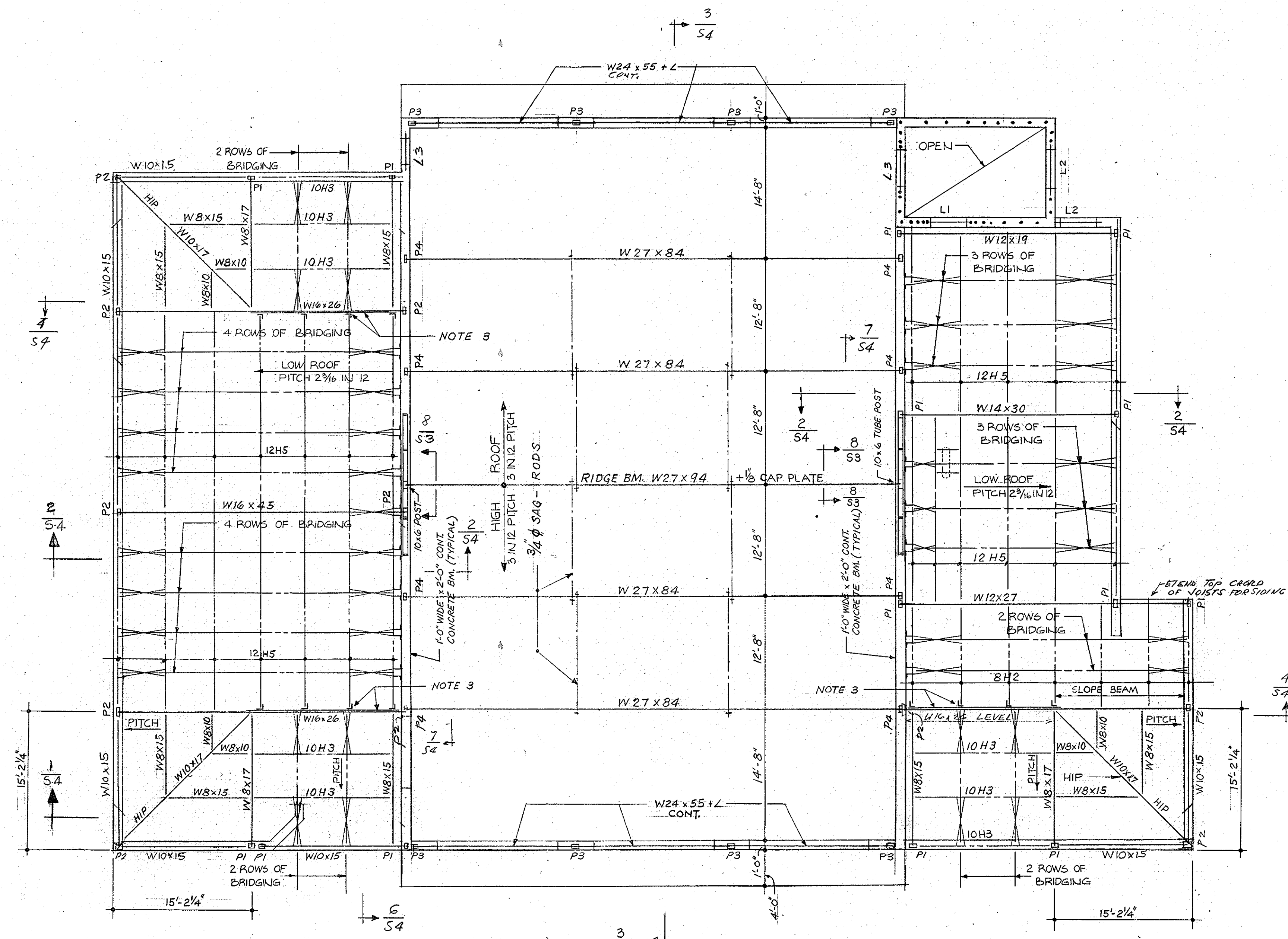
SCV SANDLASS GRAYCROFT & VERKERKE ARCHITECTS  
 VAN RENSSELAER P SAXE STRUCTURAL ENGINEER  
 S. YEARDLEY SMITH, INC. MECHANICAL ENGINEERS

ROOF FRAMING PLAN

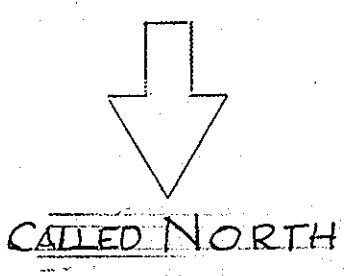
OCTOBER 1972

SHEET NO.

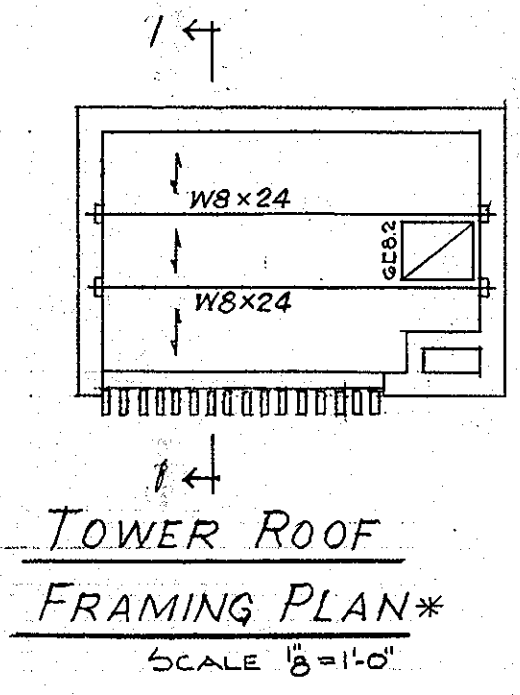
**S-2**  
 RECORD DRAWING  
 JUNE 74



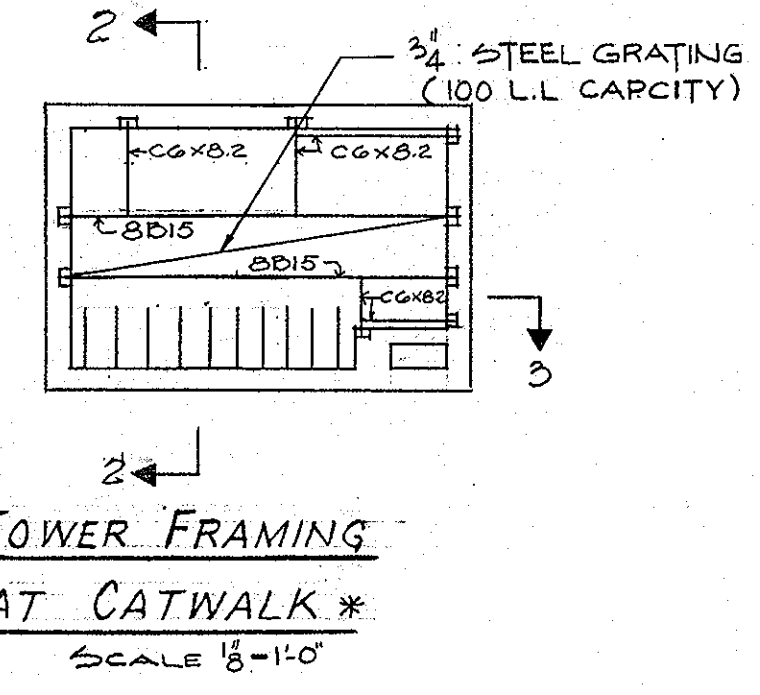
ROOF FRAMING PLAN ; SCALE 1/8"=1'-0"



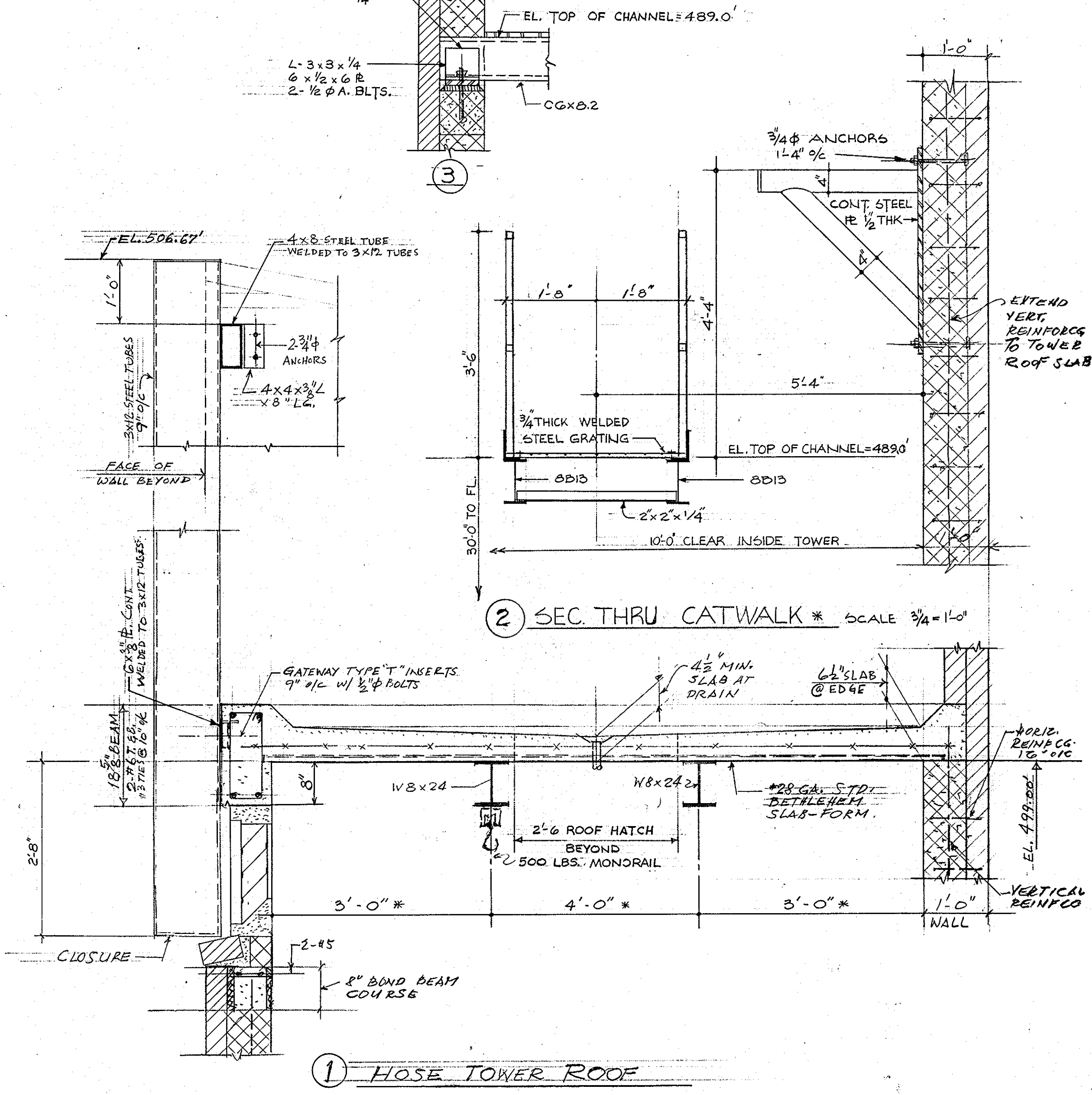
- NOTE: 1. HIGH ROOF DECK TO BE 3" DEEP ACOUSTICAL RIBBED STEELDECK OF SUFFICIENT STRENGTH TO CARRY ALL DEAD LOADS AND 30 PSF LIVE LOAD TOPPED OF BY INSULATED STANDING SEAM ALUMINIUM COVER.
2. LOW ROOF DECK TO BE INSULATED STANDING SEAM ALUMINIUM DECK TO BE CAPABLE OF SUSTAINING ALL DEAD LOADS AND 30 PSF LIVE LOAD.
3. PROVIDE CONTINUOUS L 3x2 1/2 x 1/4 UNDER JOIST BEARING AND L-POSTS 3x2 1/2 x 1/4 UNDER EACH JOIST. WELD POSTS TO HORIZONTAL PART OF W16x26 BEAM.



TOWER ROOF FRAMING PLAN\*  
 SCALE 1/8"=1'-0"

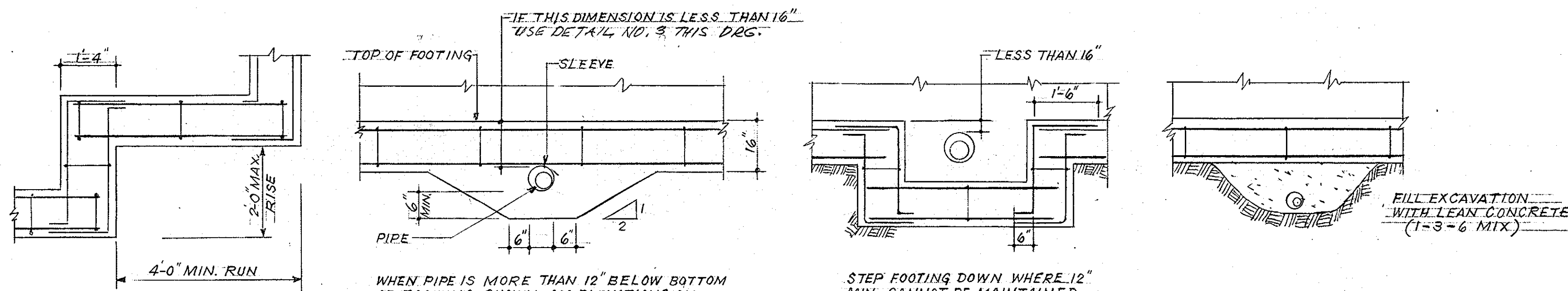


TOWER FRAMING AT CATWALK\*  
 SCALE 1/8"=1'-0"



SECTION THRU CATWALK\* SCALE 3/4"=1'-0"

HOSE TOWER ROOF

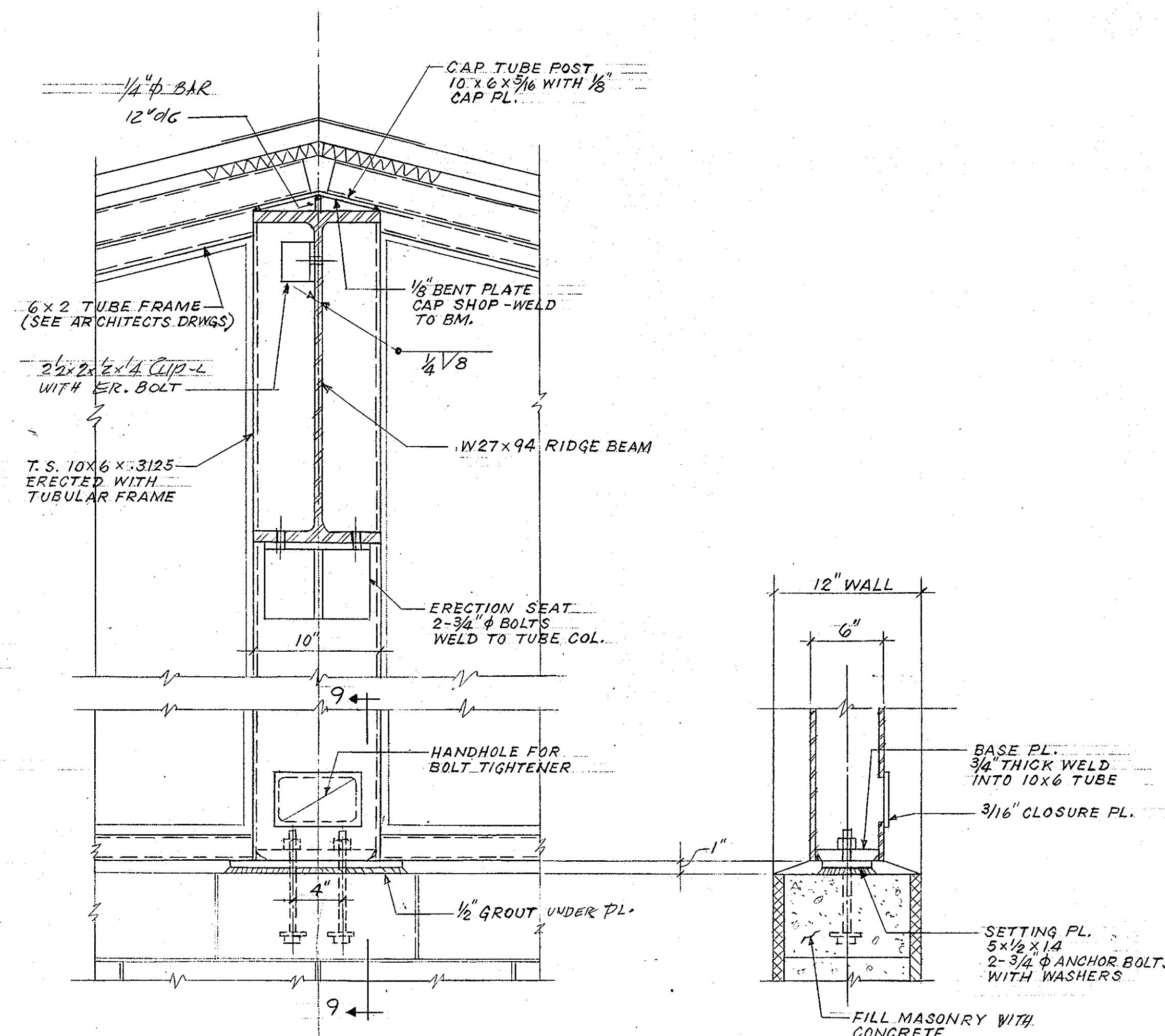


① TYP. STEPPED FOOTING

② TYP. DETAIL FOR PIPE PASSING THRU FOOTING

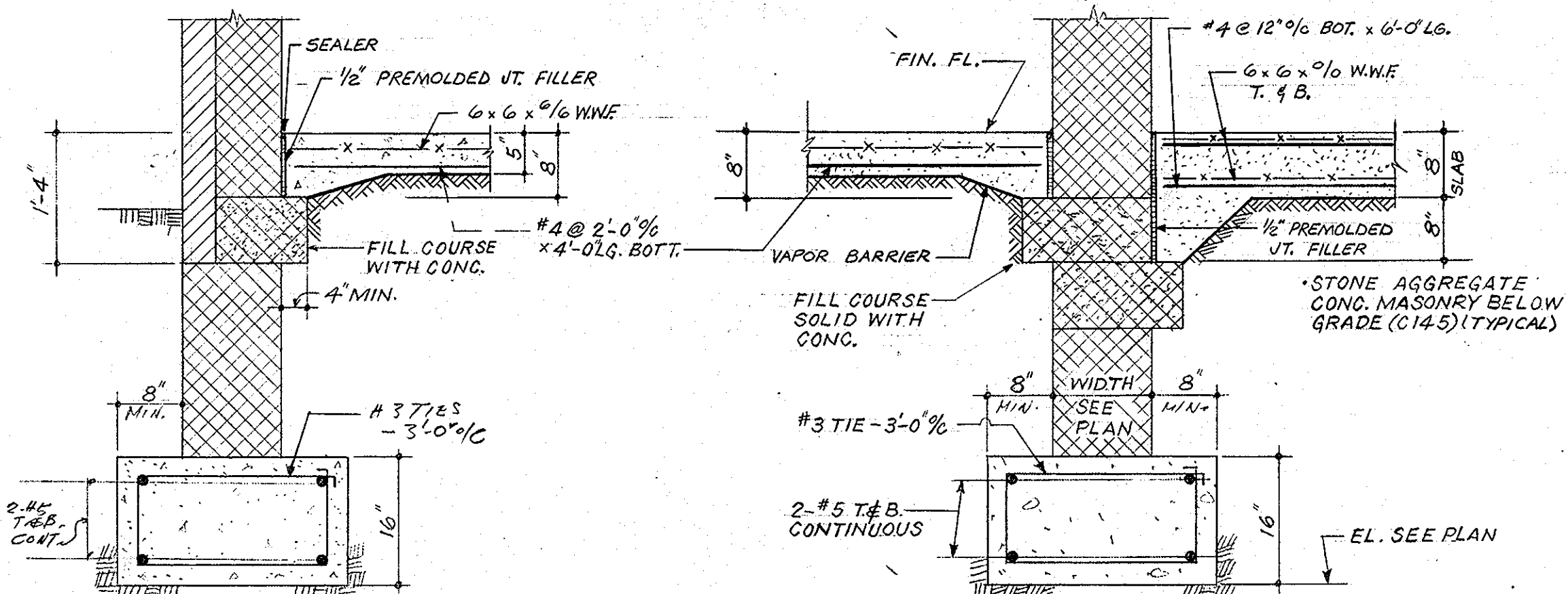
③ PIPE THRU WALL ABOVE FOOTING

④ EXCAVATION FOR PIPE MADE AFTER FOOTINGS HAVE BEEN PLACED



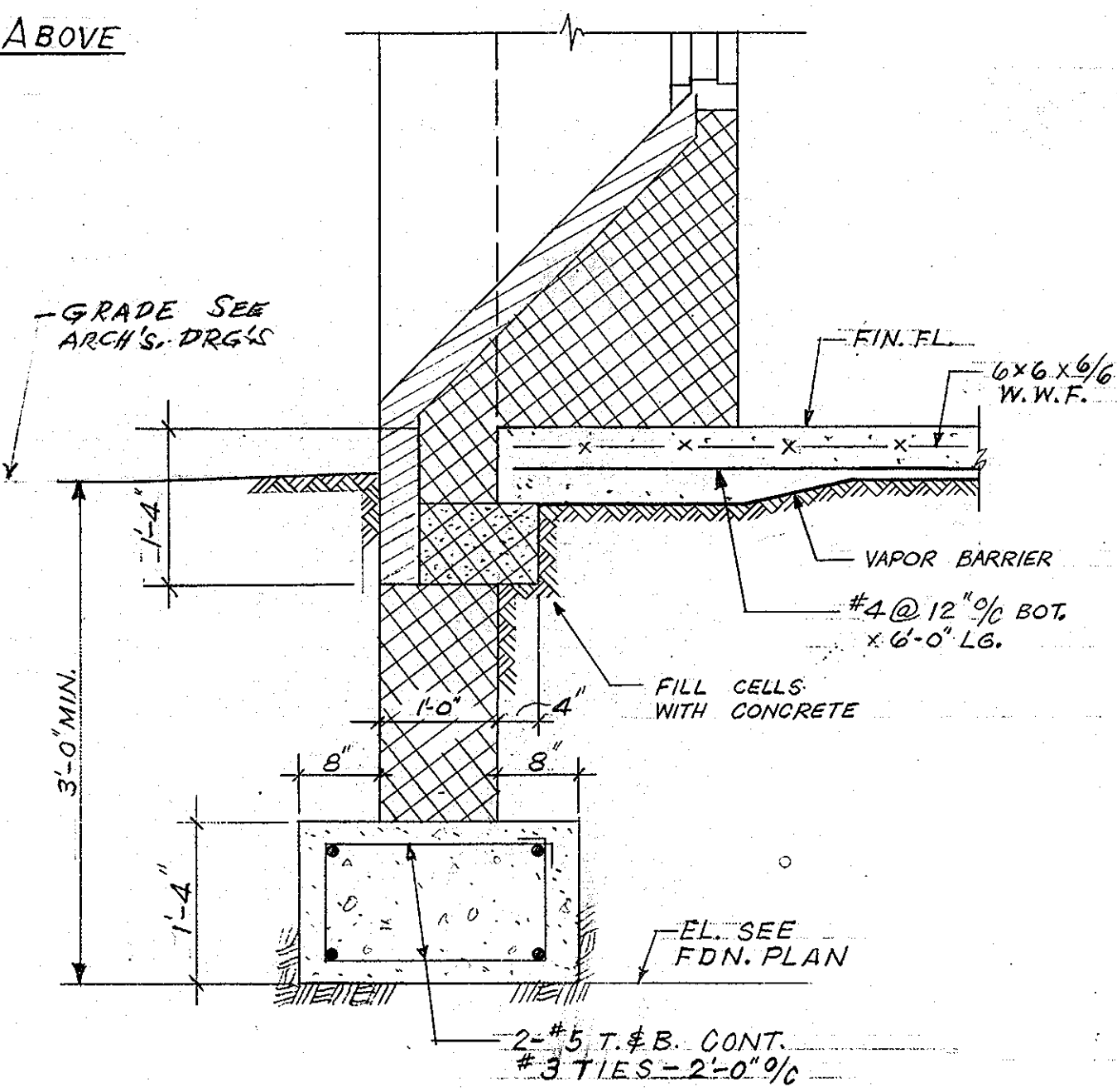
⑧ SECTION THRU RIDGE-BEAM AT APPARATUS ROOM

⑨ THRU POST BASE

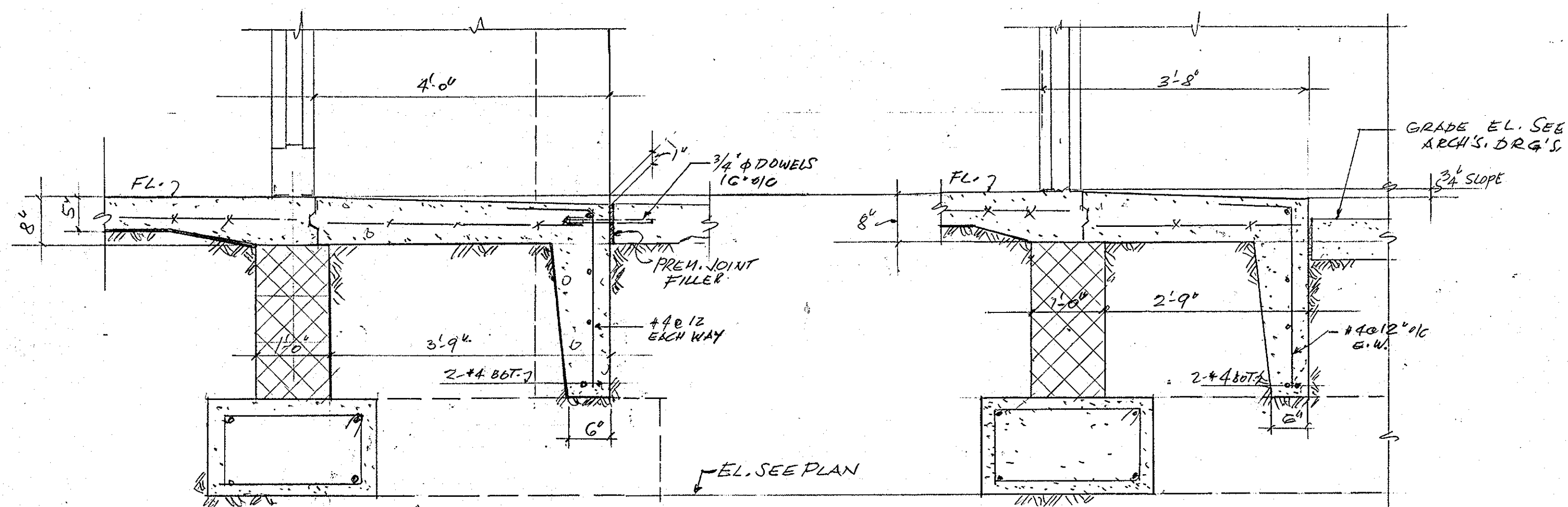


⑤ TYP. EXTERIOR BEARING WALL FOOTING

⑥ TYP. INTERIOR BEARING WALL FOOTING



⑦ FDN. WALL & SLAB DETAIL AT RECESSED WINDOWS

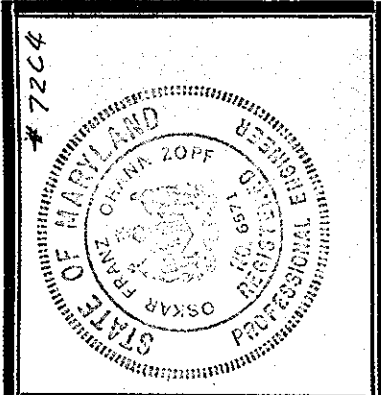


⑩ SECTION AT ENTRY E4

⑪ SECTION AT ENTRY E15

BEARING PLATE SCHEDULE		
MARK	SIZE	ANCHOR BOLTS
P1	8" x 1/2" x 8"	2-9/8" φ
P2	8" x 1/2" x 10"	2-5/8" φ
P3	6" x 1/2" x 12"	DO
P4	7" x 5/8" x 12"	2-3/4" φ

LINTEL SCHEDULE		
MARK	MAKE-UP	REMARK
L1	PREC. CONCR. LINTEL	12" WALL
L2	8" LINTEL BLOCK	12" WALL CAST IN PLACE
L3	8" LINTEL BLOCK WITH BRICK FACE	12" WALL CAST IN PLACE



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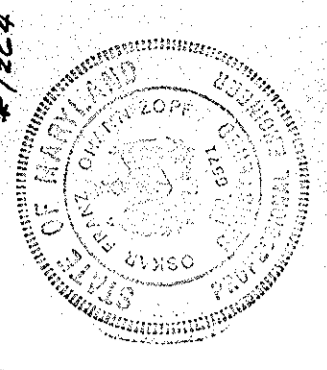
SCV SANDLASS CRAWFORD & VERKERKE ARCHITECTS  
VAN RENSSELAER P. SAXE STRUCTURAL ENGINEER  
S. YEARDLEY SMITH, INC. MECHANICAL ENGINEERS

TYPICAL DETAILS AND SECTIONS

OCTOBER 1972

SHEET NO. **S-3**  
RECORD DRAWING X JUNE 74

517  
#577



**ROUTE 99 FIRE STATION**  
 FOR THE DEPARTMENT OF PUBLIC WORKS  
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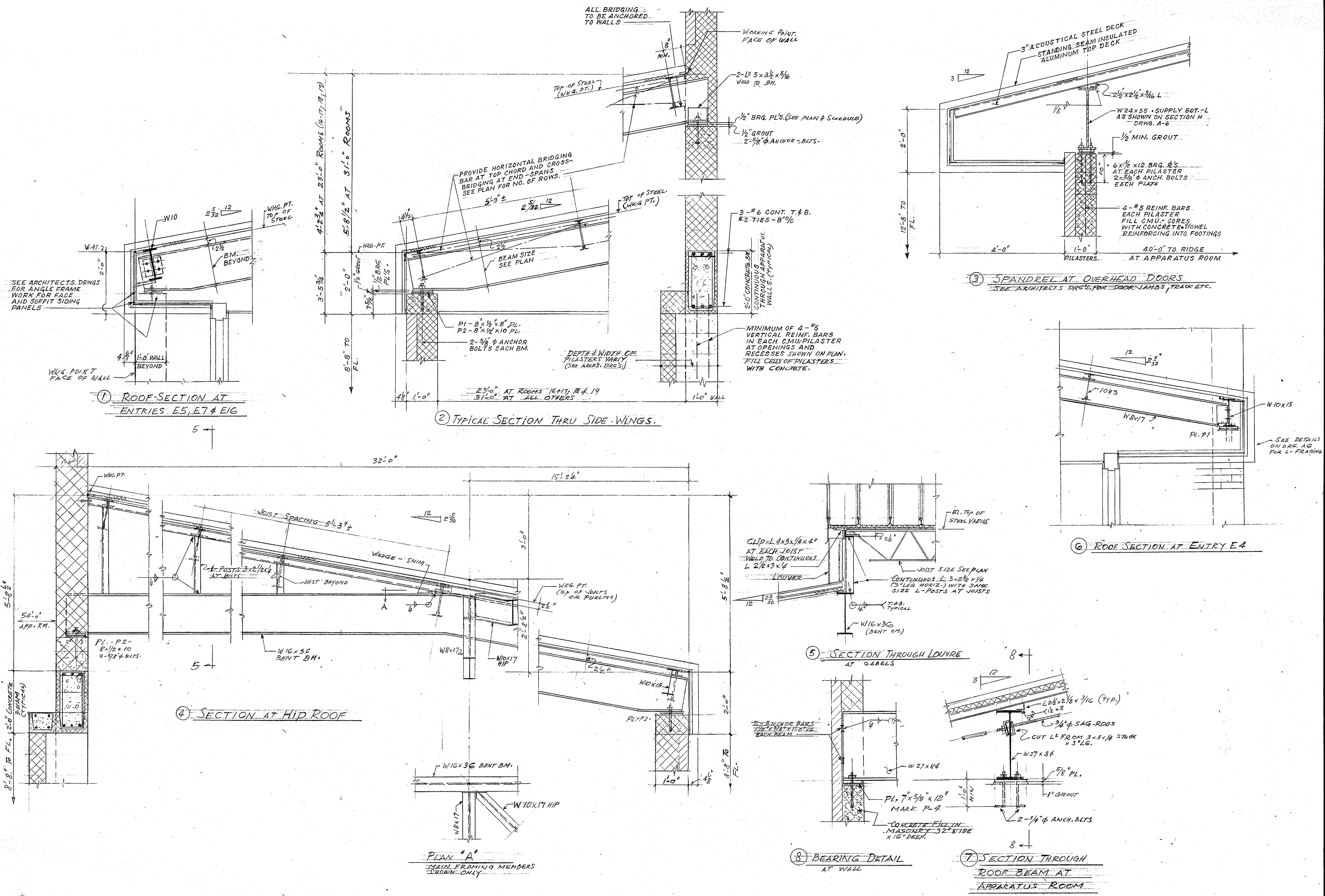
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 ARCHITECTS  
 VAN RENSSELAER P. SAXE  
 STRUCTURAL ENGINEER  
 S. YEARDLEY SMITH, INC.  
 MECHANICAL ENGINEERS

SECTIONS

OCTOBER 1972

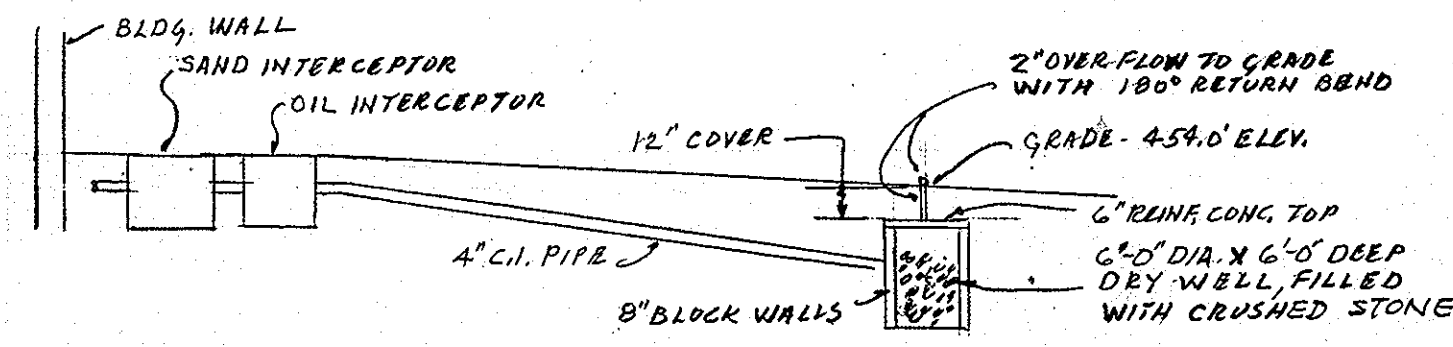
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**S-4**  
 RECORD DRAWING  
 JUNE 74

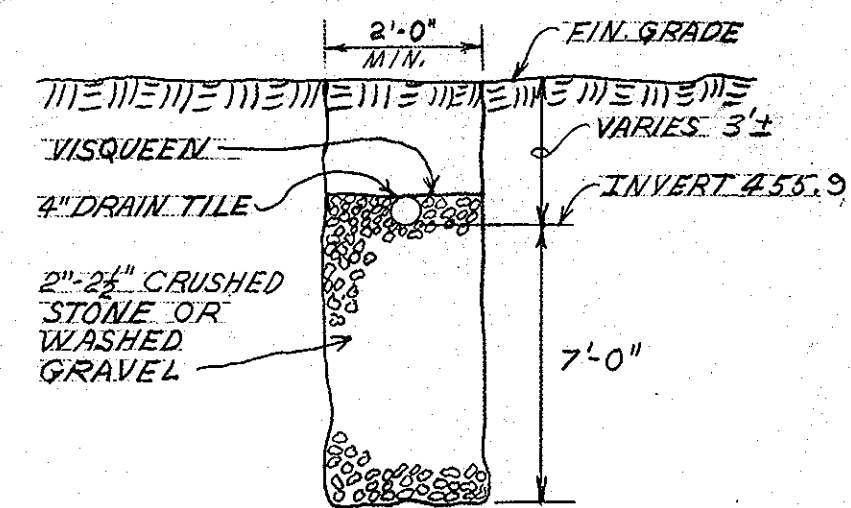


**MECHANICAL LEGEND**

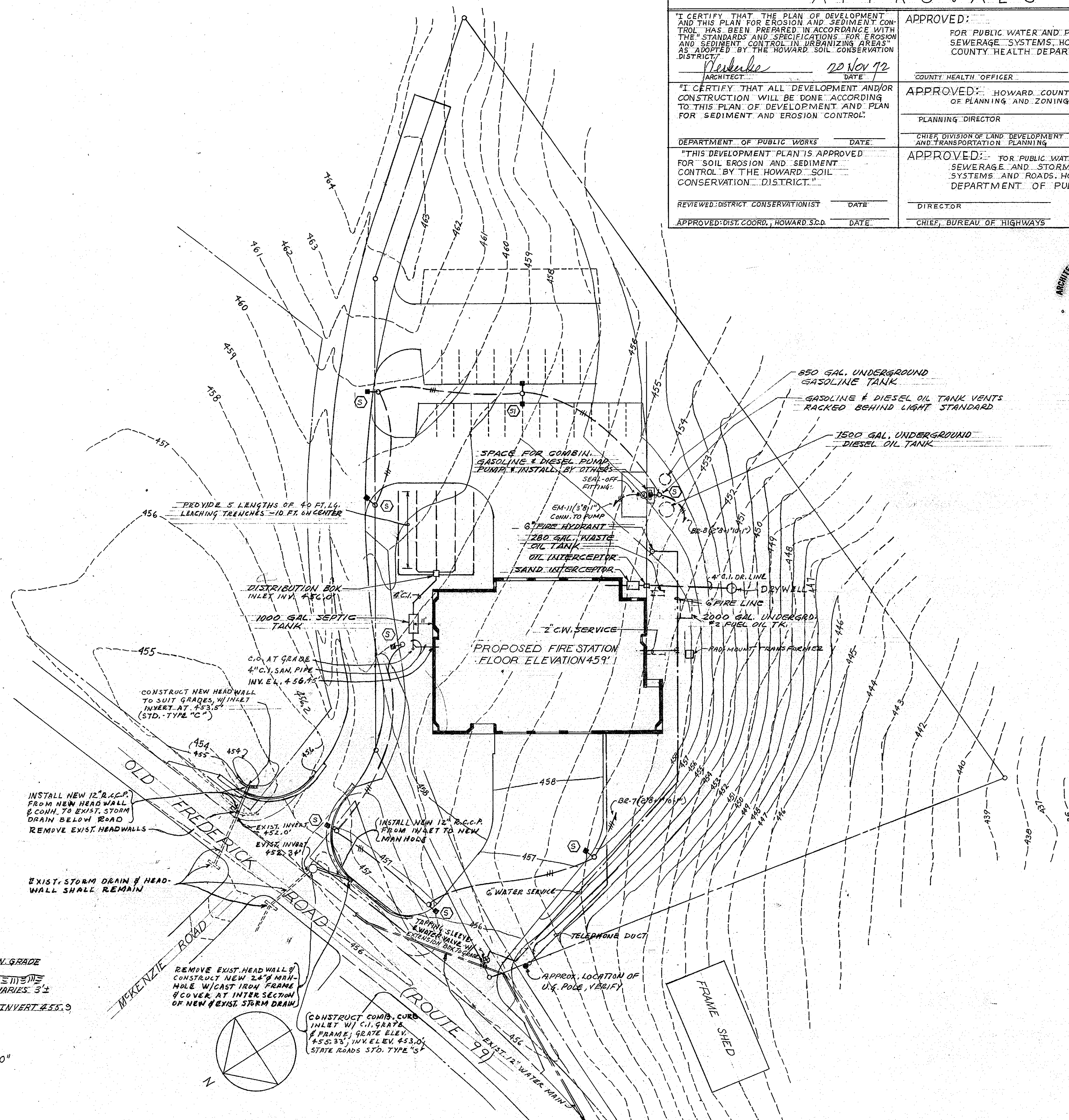
- HS — HEATING SUPPLY
- HR — HEATING RETURN
- CHS — CHILLED HOT WATER SUPPLY
- CHR — CHILLED HOT WATER RETURN
- RL — REFRIG. LIQUID
- HG — HOT GAS
- — EXIST. COLD WATER MAIN
- — SANITARY OR SOIL PIPE, S.P., W.P.
- — STORM WATER, S.W.
- — COLD WATER
- — DOMESTIC HOT WATER, H.W.
- — DOMESTIC HOT WATER RETURN, H.W.R.
- — VENT PIPE, V.P.
- — DIRECTION OF FLOW
- — GATE VALVE, G.V.
- — CHECK VALVE, C.V.
- — STRAINER
- — UNION
- — ANCHOR
- — BALANCING COCK, B.C.
- — 3-WAY VALVE
- — THERMOSTAT
- — THERMOMETER
- — PRESSURE GAUGE
- — S.D. SUPPLY DIFFUSER OR DBL. DEFL. REG.
- — RR. RETURN REGISTER
- — OAI. OUTSIDE AIR INTAKE
- — EF. EXHAUST FAN
- — MOD. MOTOR OPERATED DAMPER
- — RD. ROOF DRAIN
- — DS. DOWN SPOUT
- — CO. CLEAN OUT
- — CI. CAST IRON
- — FU. FIXTURE UNITS
- — WP. WASTE PIPE
- — VTR. VENT THRU ROOF
- — AD. AREA DRAIN
- — WH. WALL HYDRANT
- — FD. FLOOR DRAIN
- — MO. MOTOR OPERATED
- — AV. AIR VENT
- — TURNING VANES
- — VECTROL
- — VOLUME DAMPER
- — FLD. FUSIBLE LINK DAMPER



**DETAIL OF DRY WELL**  
NO SCALE



**DETAIL OF LEACHING TRENCH**  
NO SCALE



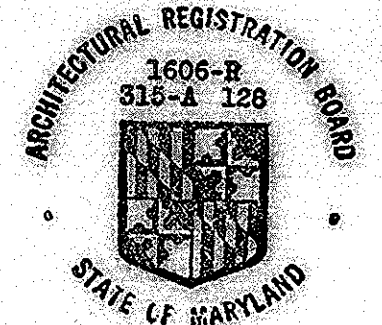
**UTILITY PLAN**

SCALE: 1" = 30'

- NOTES: - 1- SEE DWG. M-3 FOR DETAILS OF GASOLINE & DIESEL OIL TANKS.
- 2- ALL MANHOLES, HEADWALLS & CURB WLETS SHALL BE CONSTRUCTED ACCORDING TO MD. STATE ROAD COMM. STANDARDS.
- 3- WATER SERVICE, & ALL THINGS PERTAINING TO SAME, SHALL BE IN ACCORDANCE WITH HOWARD CO. DEPART. OF PUBLIC WORKS STD. SPECIFICATIONS & DETAILS.

**APPROVALS**

I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THIS PLAN FOR EROSION AND SEDIMENT CONTROL HAS BEEN PREPARED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL IN URBANIZING AREAS AS ADOPTED BY THE HOWARD SOIL CONSERVATION DISTRICT. ARCHITECT: <u>Verkerke</u> DATE: <u>22 Nov 72</u>		APPROVED: _____ FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. COUNTY HEALTH OFFICER _____ DATE _____	
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR SEDIMENT AND EROSION CONTROL. DEPARTMENT OF PUBLIC WORKS _____ DATE _____		APPROVED: _____ HOWARD COUNTY OFFICE OF PLANNING AND ZONING... PLANNING DIRECTOR _____ DATE _____	
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. REVIEWED: DISTRICT CONSERVATIONIST _____ DATE _____ APPROVED: DIST. COORD., HOWARD S.C.D. _____ DATE _____		APPROVED: _____ FOR PUBLIC WATER, PRIVATE SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. DIRECTOR _____ DATE _____ CHIEF, BUREAU OF HIGHWAYS _____ DATE _____	



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VAN RENSSELAER P SAXE STRUCTURAL ENGINEER  
S. YEARDLEY SMITH, INC MECHANICAL ENGINEERS

UTILITY PLAN

OCTOBER 1972

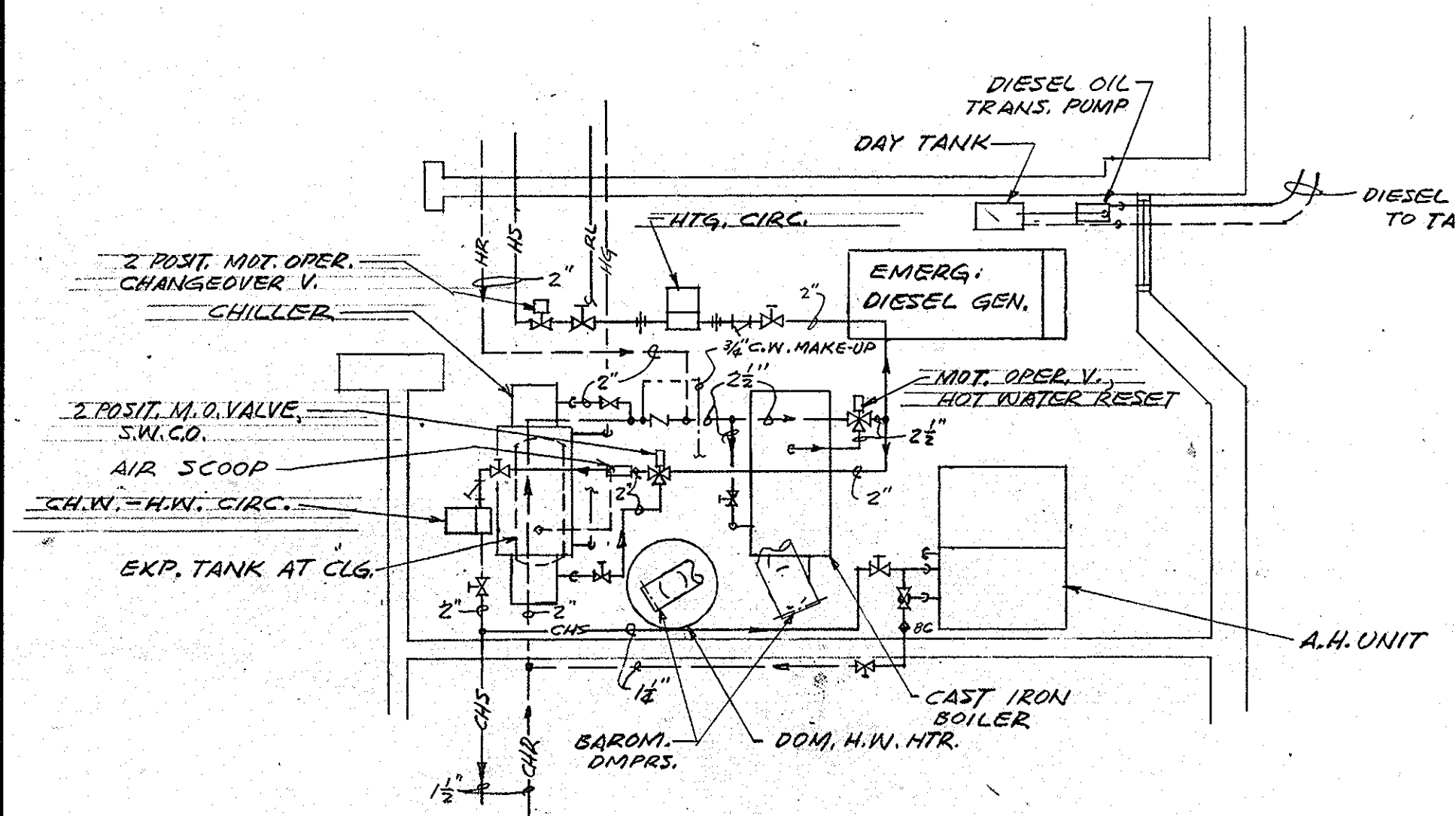
SHEET NO.

**ME1**

REVISED 10-31-73

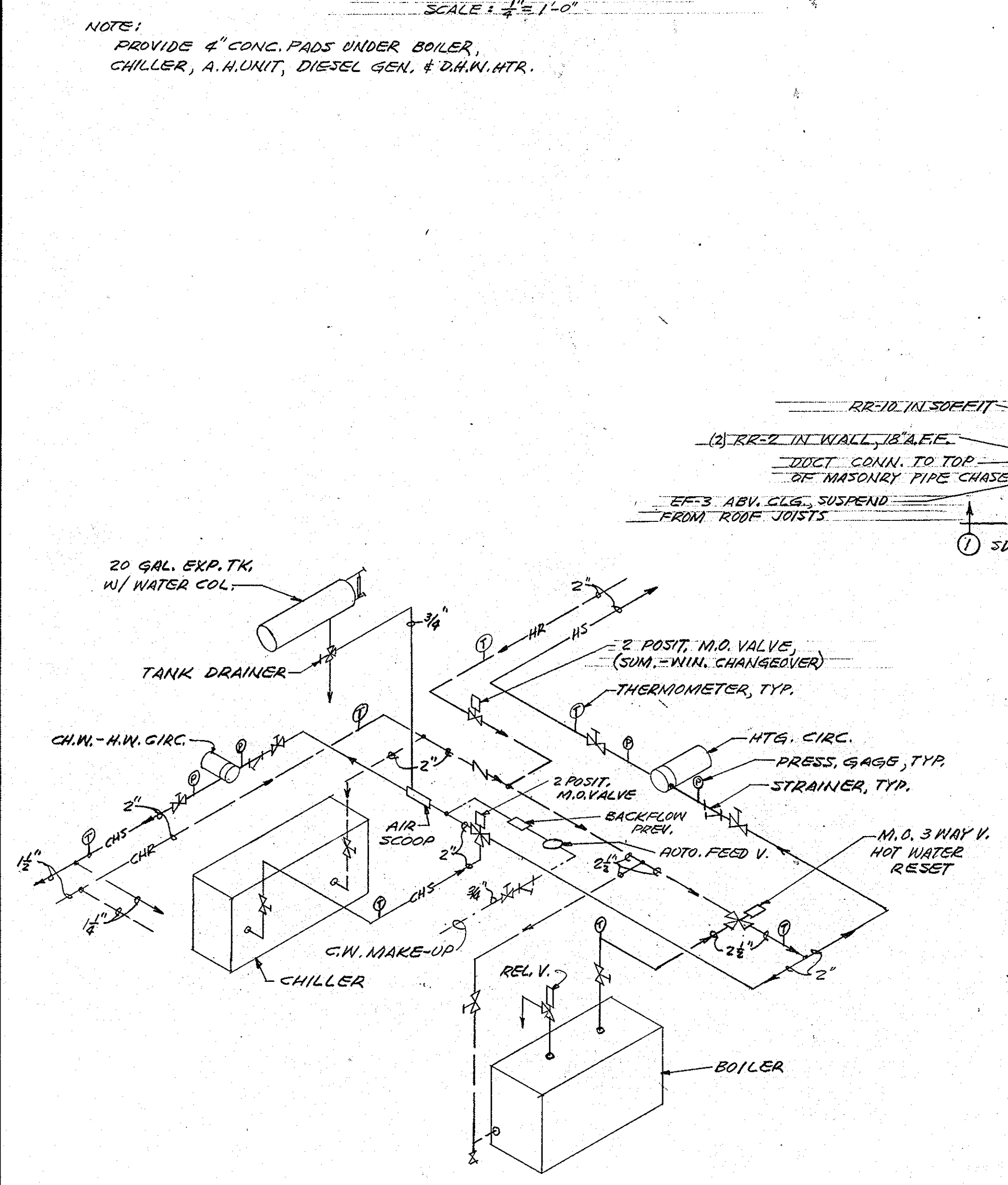
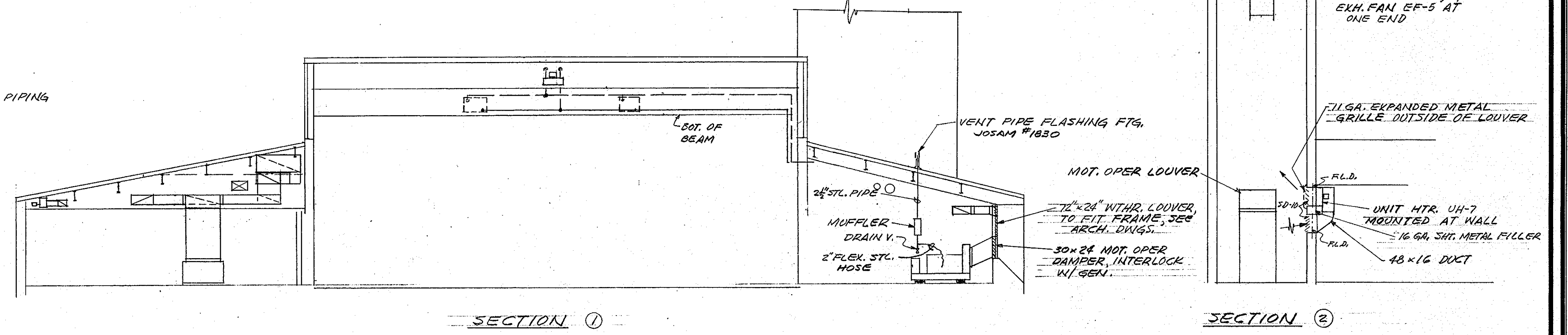
RECORD DRAWING & JUNE, 74

517

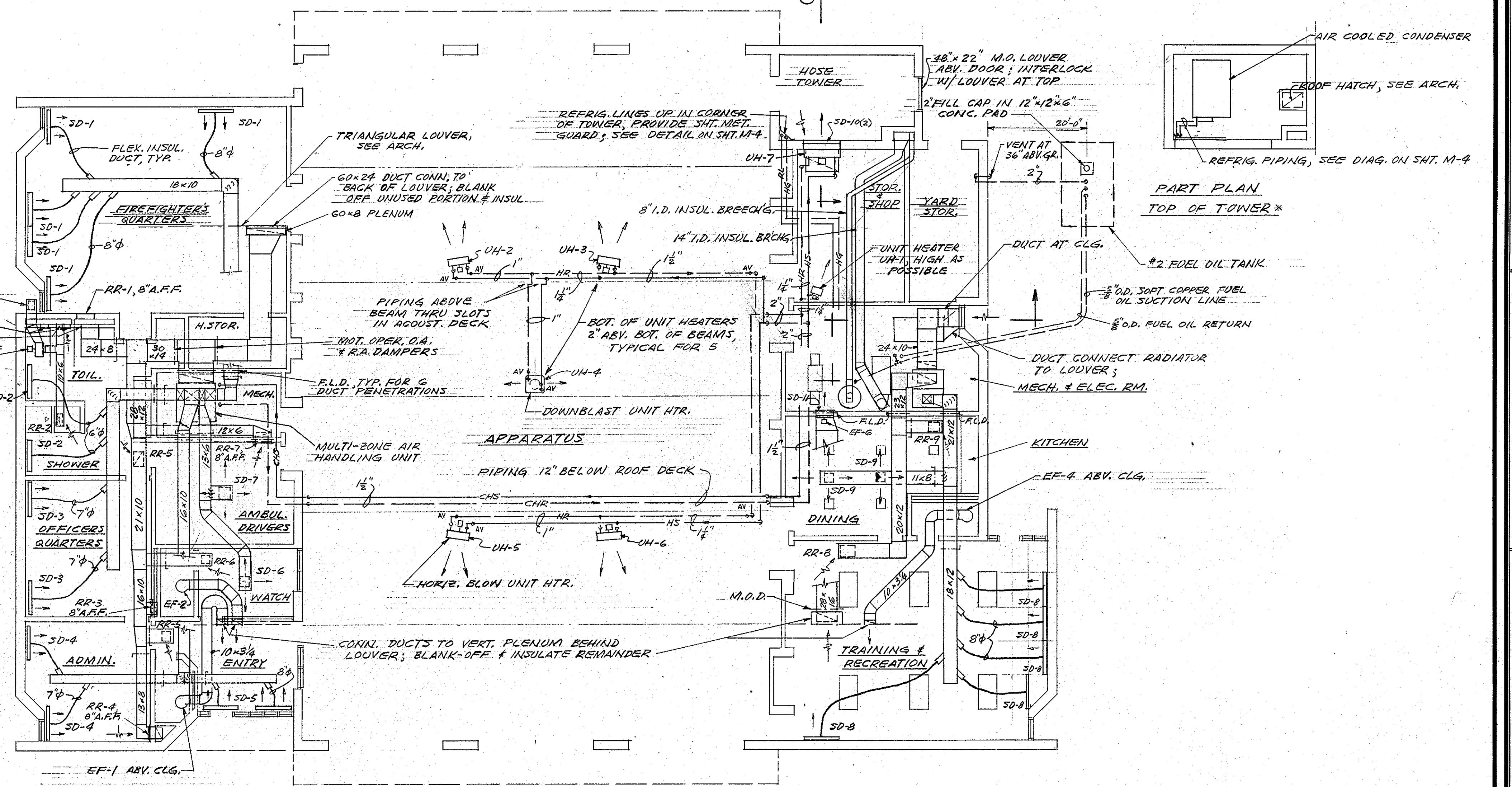


**MECHANICAL ROOM PLAN**  
SCALE: 1/8" = 1'-0"

**NOTE:**  
PROVIDE 4" CONC. PADS UNDER BOILER,  
CHILLER, A.H.UNIT, DIESEL GEN. & D.H.W. HTR.



**BOILER ROOM PIPING DIAGRAM**  
NO SCALE



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

**NOTE:** FINAL CEILING DIFFUSER LOCATIONS SHALL BE  
COORDINATED WITH REFLECTED CEILING PLAN.

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EXHAUST & SUPPLY FAN SCHEDULE						
SYMBOL	C.F.M.	S.P.	H.P.	R.P.M.	MFR. & MODEL NO.	REMARKS
EF-1	180				NUTONE # 8310	
EF-2	180				NUTONE # 8310	
EF-3	510	$\frac{3}{8}$ "	$\frac{1}{2}$ "	1150	PEERLESS DBA	W/C.D.D.
EF-4	180				NUTONE # 8310	
EF-5	4740	$\frac{11}{8}$ "	$\frac{3}{4}$ "	1725	ILG PV-213	W/WIRE GUARD F.B.D.D.
EF-6	2100	$\frac{1}{2}$ "	$\frac{3}{8}$ "	1725	ILG PV-167	SEE NOTE 1

NOTES:  
 1. PROVIDE THERMOSTAT IN BOILER RM. TO START FAN & OPEN M.O. DAMPR. ON RISE IN TEMP.; PROVIDE M.O. DAMPER.

UNIT HEATER SCHEDULE							
SYMBOL	MBH	GPM	RPM	CFM	H.P.	MFR. & MODEL NO.	REMARKS
UH-1	18	1.8	1550	540	$\frac{1}{50}$	TRANE 38-5	
UH-2	81	8.1	1100	1760	$\frac{1}{8}$	" 126-5	
UH-3	81	8.1	1100	1760	$\frac{1}{8}$	" "	
UH-4	81	8.4	1075	1790	$\frac{1}{8}$	" 122-P	
UH-5	81	8.1	1100	1760	$\frac{1}{8}$	" 126-5	
UH-6	81	8.1	1100	1760	$\frac{1}{8}$	" "	
UH-7	121	12.1	1100	2300	$\frac{1}{4}$	" 168-5	①

NOTES:  
 ① PROVIDE 2 STAGE THERMOSTAT & SOL. VALVE  
 ② PROVIDE VERT. & HORIZ. LOUVERS ON ALL HORIZ. BLOW UNITS.  
 ③ RATINGS WITH 200° ENT. W. & 60° ENT. AIR.

REGISTER, GRILL, & DIFF. SCHEDULE						
SYMBOL	C.F.M.	NECK SIZE	FACE SIZE	BLOW	MFR. & MODEL NO.	REMARKS
SD-1	250	8"Ø	48"X12"	1WAY-HORIZ.	TEMPMASTER TSD-C48	①
SD-2	85	6"Ø	48"X12"	1WAY-HORIZ.	TEMPMASTER TSD-A46	①
SD-3	130	7"Ø	48"X12"	1WAY-HORIZ.	TEMPMASTER TSD-B47	①
SD-4	200	7"Ø	48"X12"	1WAY-HORIZ.	TEMPMASTER TSD-B47	①
SD-5	225	8"Ø	48"X12"	1WAY-HORIZ.	TEMPMASTER TSD-C48	①
SD-6	120	6"X6"	11"X11"	4WAY	TITUS TDC-5-1-4A-25	
SD-7	260	9"X9"	14"X14"	4WAY	TITUS TDC-5-1-4A-25	
SD-8	260	8"Ø	48"X12"	1WAY-HORIZ.	TEMPMASTER TSD-C48	①
SD-9	200	9"X9"	14"X14"	4WAY	TITUS TDC-5-1-4A-25	
SD-10	2300	48"X24"	48"X24"	DBL. DEFL.	T. & B. ATG-2B	
SD-11	2100	22"X22"	22"X22"	" "	T. & B. ATG-2B	

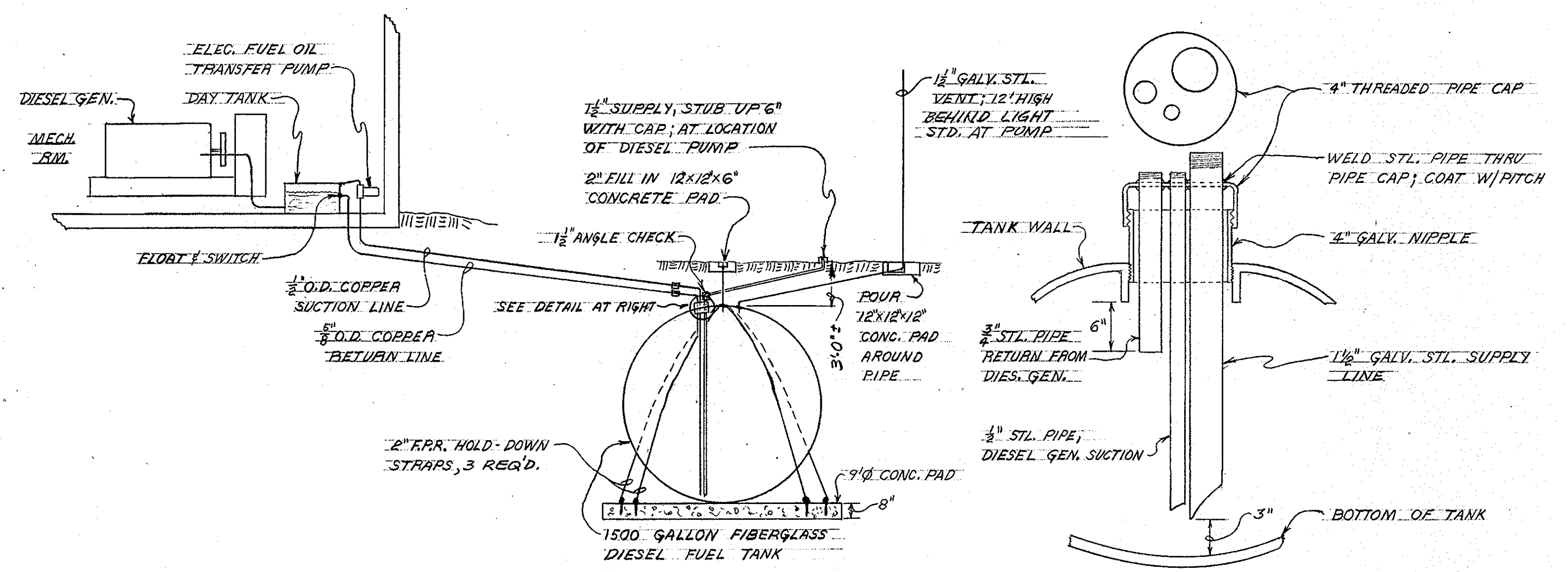
① PROVIDE TYPE D INLET BALANCING DAMPER.  
 ② PROVIDE VOL. DAMPRS. ON ALL SUPPLY DIFFUSERS

SYMBOL	C.F.M.	NECK SIZE	FACE SIZE	BLOW	MFR. & MODEL NO.	REMARKS
RR-1	1000	16"X24"			TITUS 50-F-0-5-0-A-65	
RR-2	230	8"X8"			TITUS 50-F-0-5-0-A-65	
RR-3	260	12"X10"			TITUS 50-F-0-5-0-A-65	
RR-4	420	10"X16"			TITUS 50-F-0-5-0-A-65	
RR-5	450	12"X12"			TITUS 50-F-0-5-0-A-65	
RR-6	120	8"X8"			TITUS 50-F-0-5-0-A-65	
RR-7	260	12"X8"			TITUS 50-F-0-5-0-A-65	
RR-8	1310	20"X18"			TITUS 50-F-0-5-0-A-65	
RR-9	310	12"X12"			TITUS 50-F-0-5-0-A-65	
RR-10	460	12"X12"			TITUS 50-F-0-0-0-A-65	

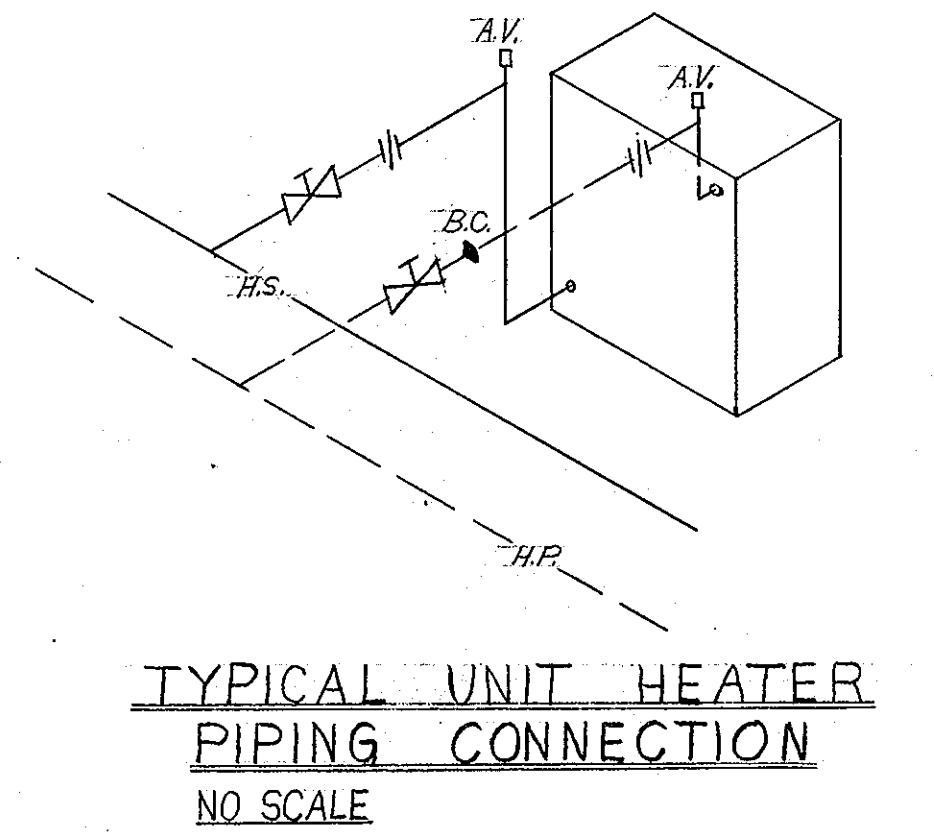
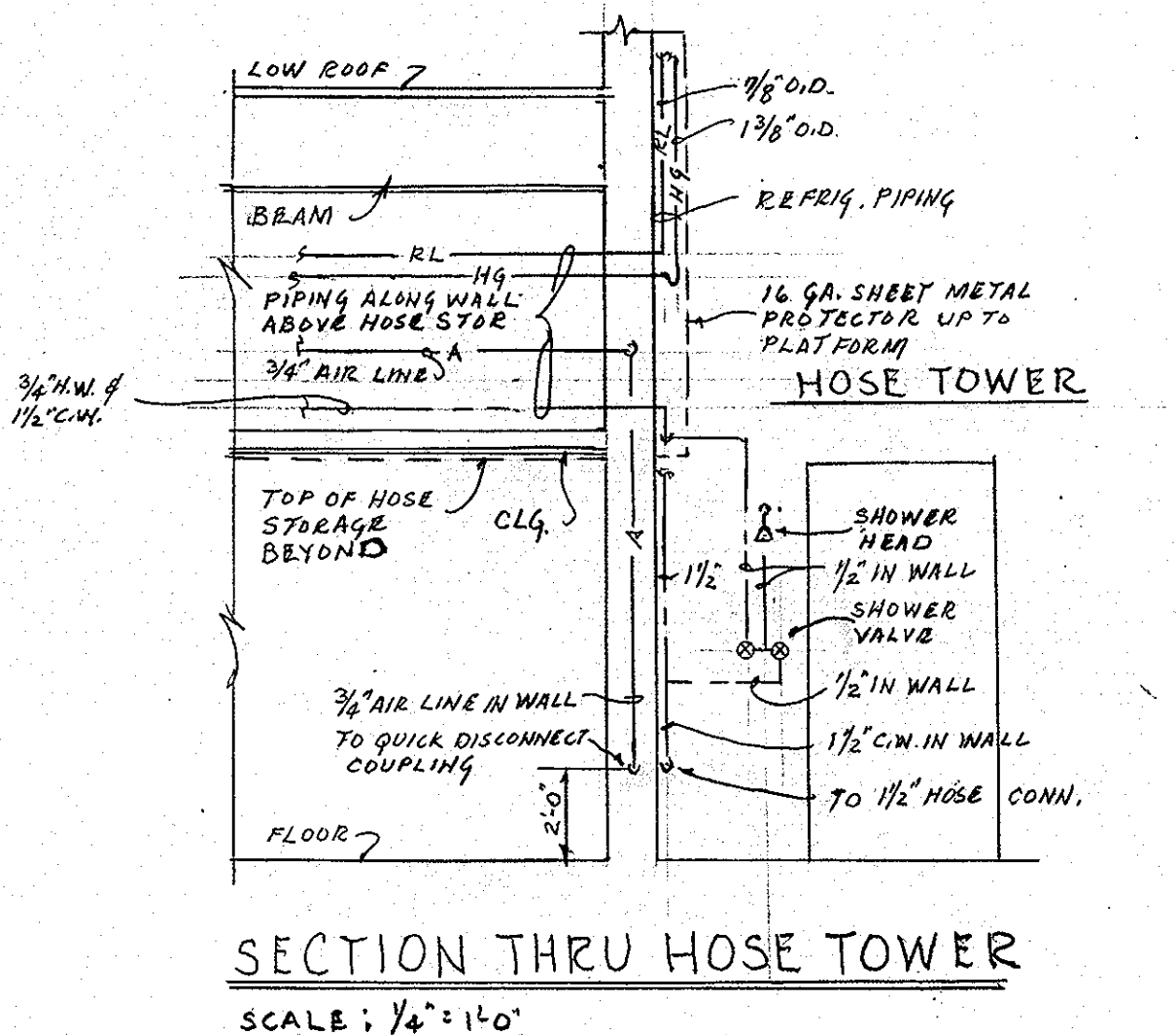
PROVIDE VOL. DAMPRS. ON ALL RETURN GRILLES

**MAJOR EQUIPMENT SCHEDULE:**

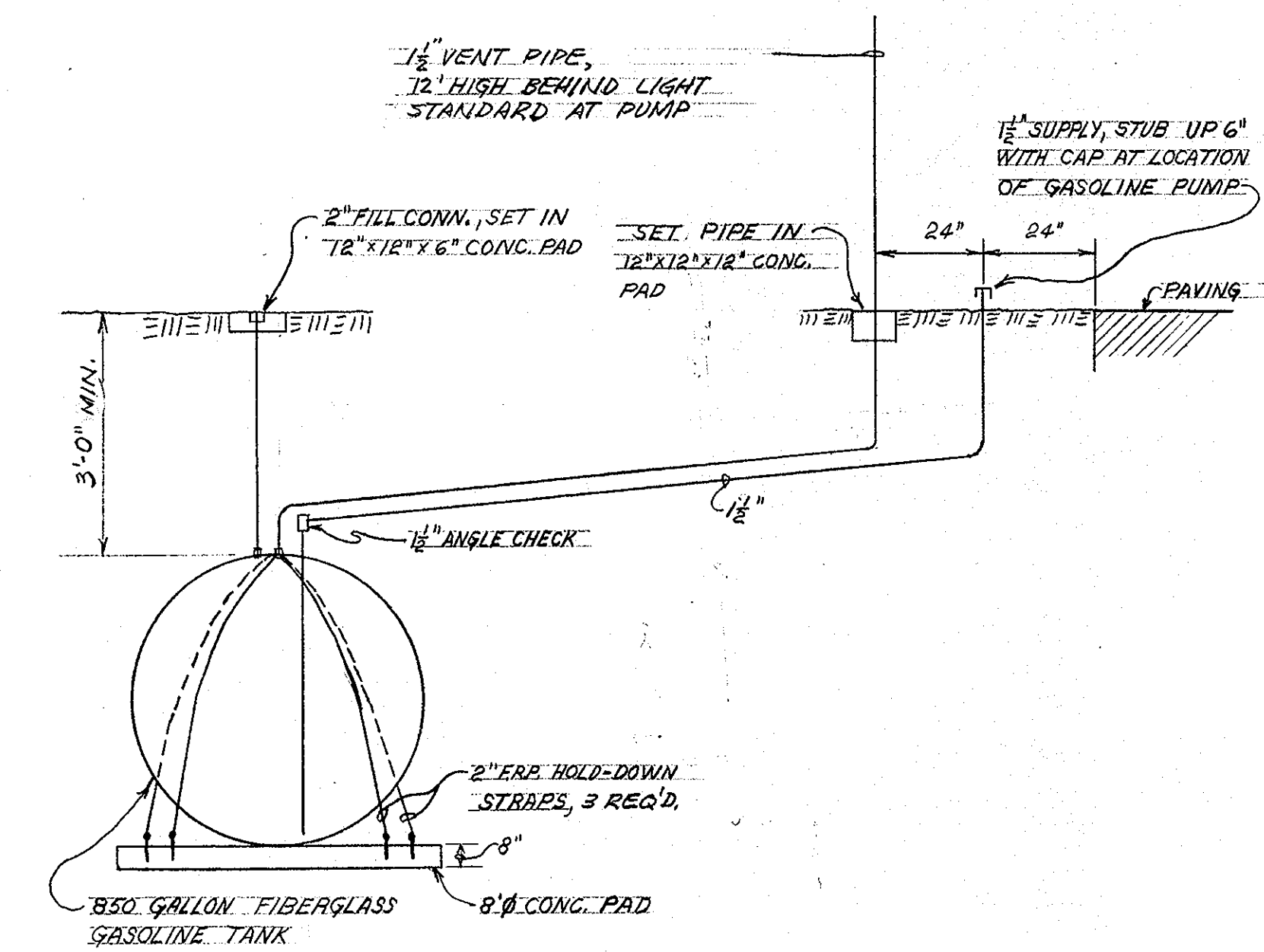
1. BOILER - CAST IRON, #2 OIL FIRED, 680 MBH GROSS, HOT WATER, WEIL-MCLAIN B-782-W OR APPR. EQ.
2. MULTI-ZONE AH UNIT - TO COOL 2960 C.F.M. FROM 80°DB, 67°WB TO 58°DB, 56°WB WITH 20.1 GPM CH.W. ENT. AT 45°, 10° RISE; 101 MBH T.H.; 70 MBH S.H.; 500 FPM COIL FACE VEL.; ACME MOD. MC-62 OR APPROVED EQUAL; 1.75" S.P.; 2" H.P. MIN.; FLAT FILTERS; HOT DECK BAFFLE; COOLING COIL FUNCTIONS AS HTG. COIL.
3. SINGLE ZONE AH UNIT - TO COOL 1860 C.F.M. FROM 80°DB, 67°WB TO 58°DB, 56°WB WITH 13.0 GPM CH.W. ENT. AT 45°, 10° RISE; 69.5 MBH T.H.; SAME COIL TO HEAT 1860 CFM WITH 180° H.W.; 1.5" S.P.; 1.0 HP; ACME VC-43 OR APPROVED EQUAL.
4. CHILLER - RECIPROC. COMP. W/COOLER FOR REMOTE AIR COOLED CONDENS. TO COOL 32.9 GPM WATER FROM 54° TO 44°; 13.6 TONS; 120° SDT.; MAX. COOLER P.D. 8.0 FT.; CARRIER 30HJ05 OR APPROVED EQUAL.
5. AIR COOLED CONDENSER - VERT. DISCHARGE MAX. DIMENSIONS 7'-0" L. X 4'-6" W. X 3'-0" H, 16.5 TONS THR. @ 120° COND. TEMP., 95° AMB.; CARRIER 09 DC 016 OR APPROVED EQUAL.
6. CHILLED-HOT WATER CIRCULATOR - 33 GPM @ 50' HD. LINE MTD., 1750 RPM, 1 1/2 HP, TACO #1618 OR APPROVED EQUAL.
7. HEATING CIRCULATOR - 52 GPM @ 32' HD.; LINE MTD., 1750 RPM; 1 HP; TACO #1622 OR APPROVED EQUAL.



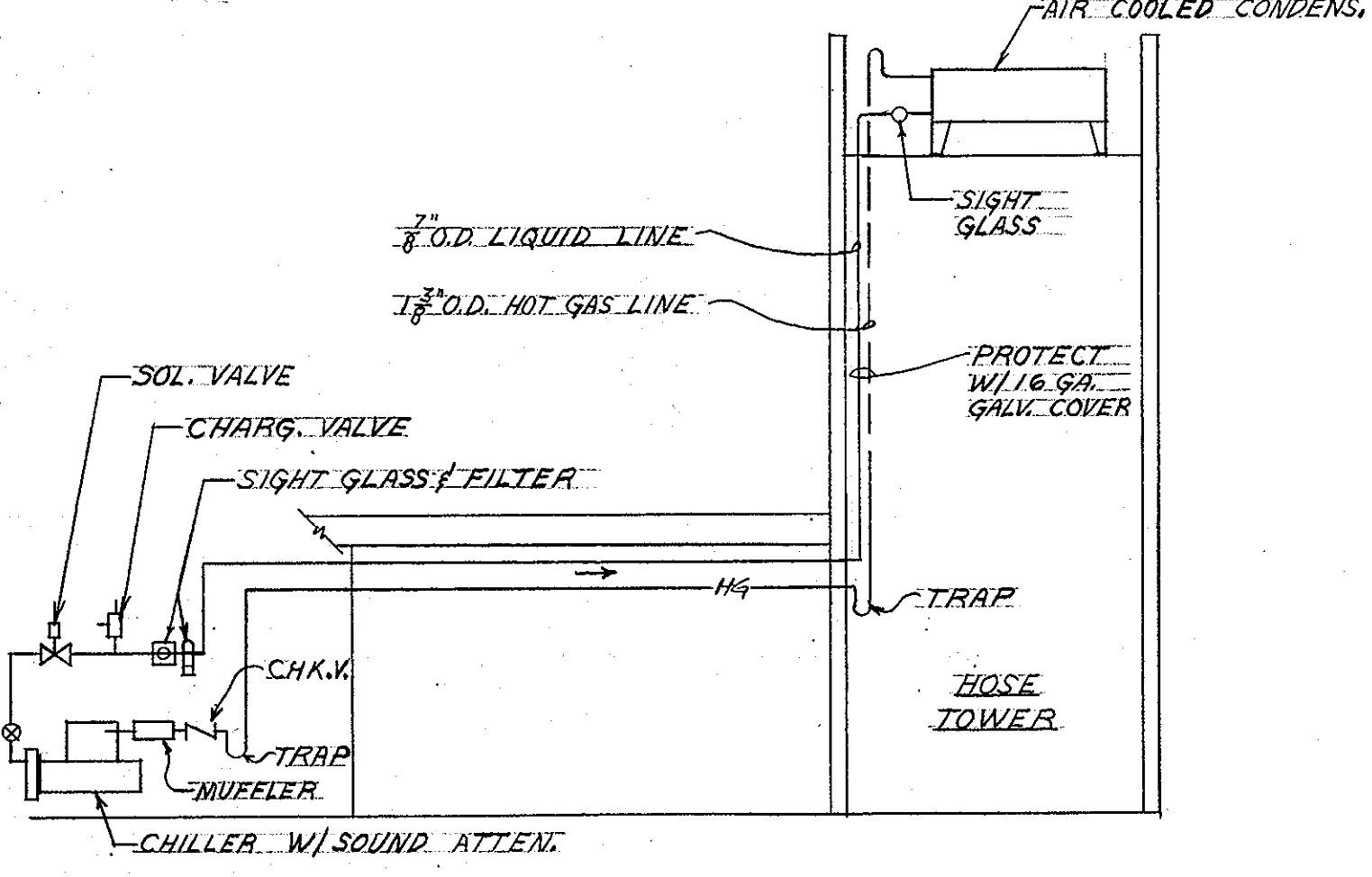
**DIESEL FUEL TANK AND PIPING SYSTEM**  
NO SCALE



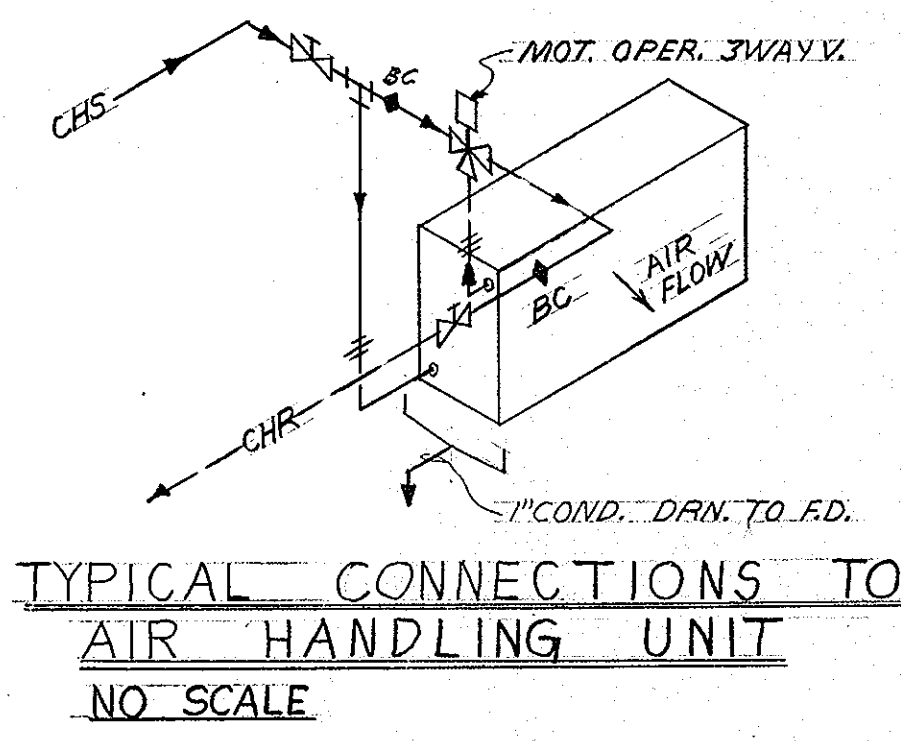
**TYPICAL UNIT HEATER PIPING CONNECTION**  
NO SCALE



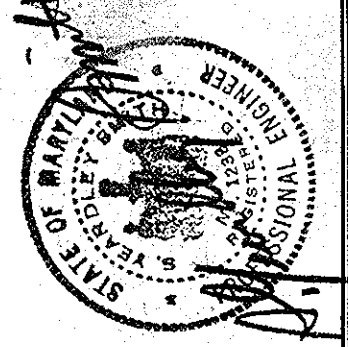
**GASOLINE TANK INSTALLATION & PIPING DIAGRAM**  
NO SCALE



**REFRIGERANT PIPING DIAGRAM (R-22)**  
NO SCALE

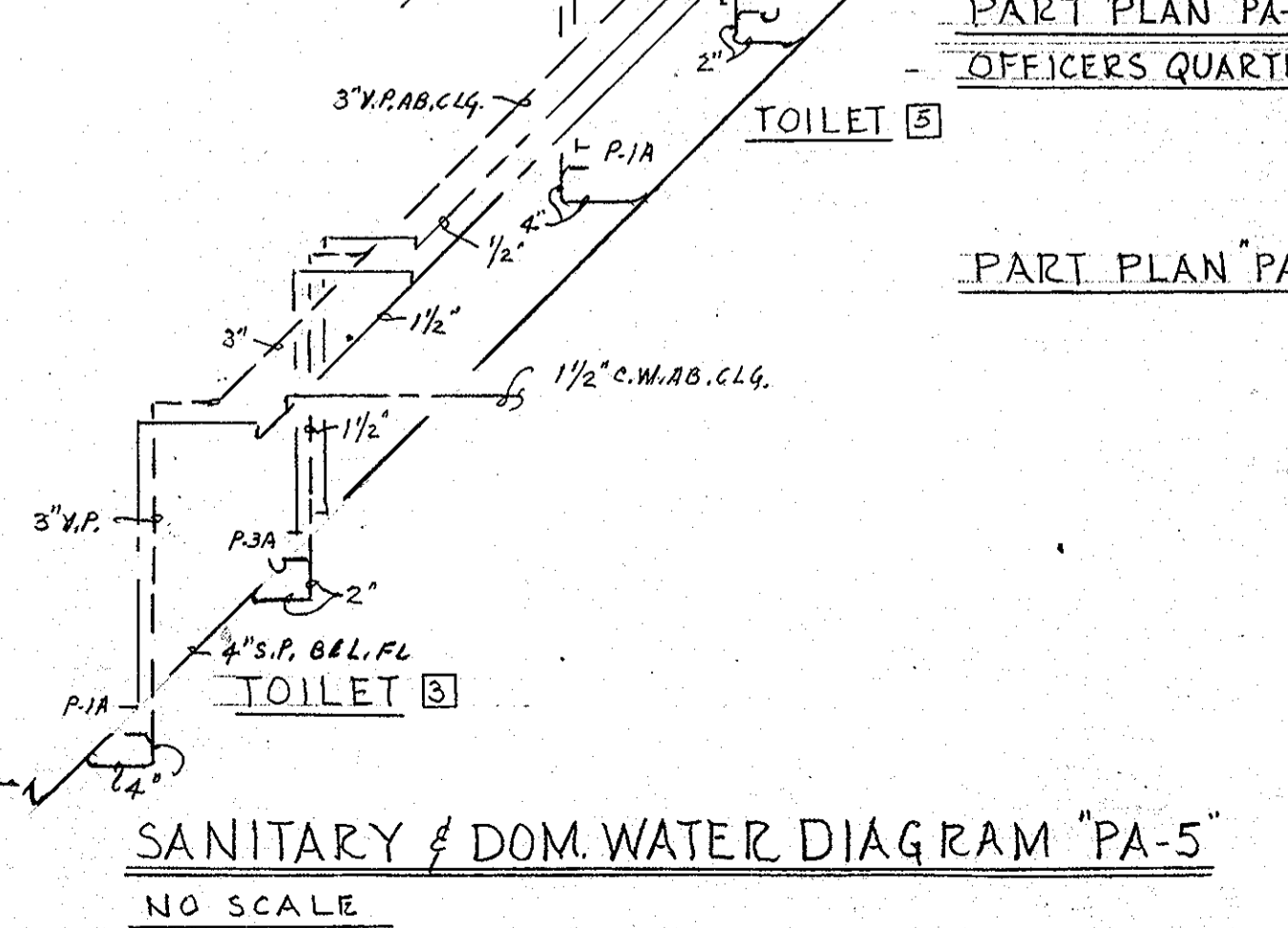
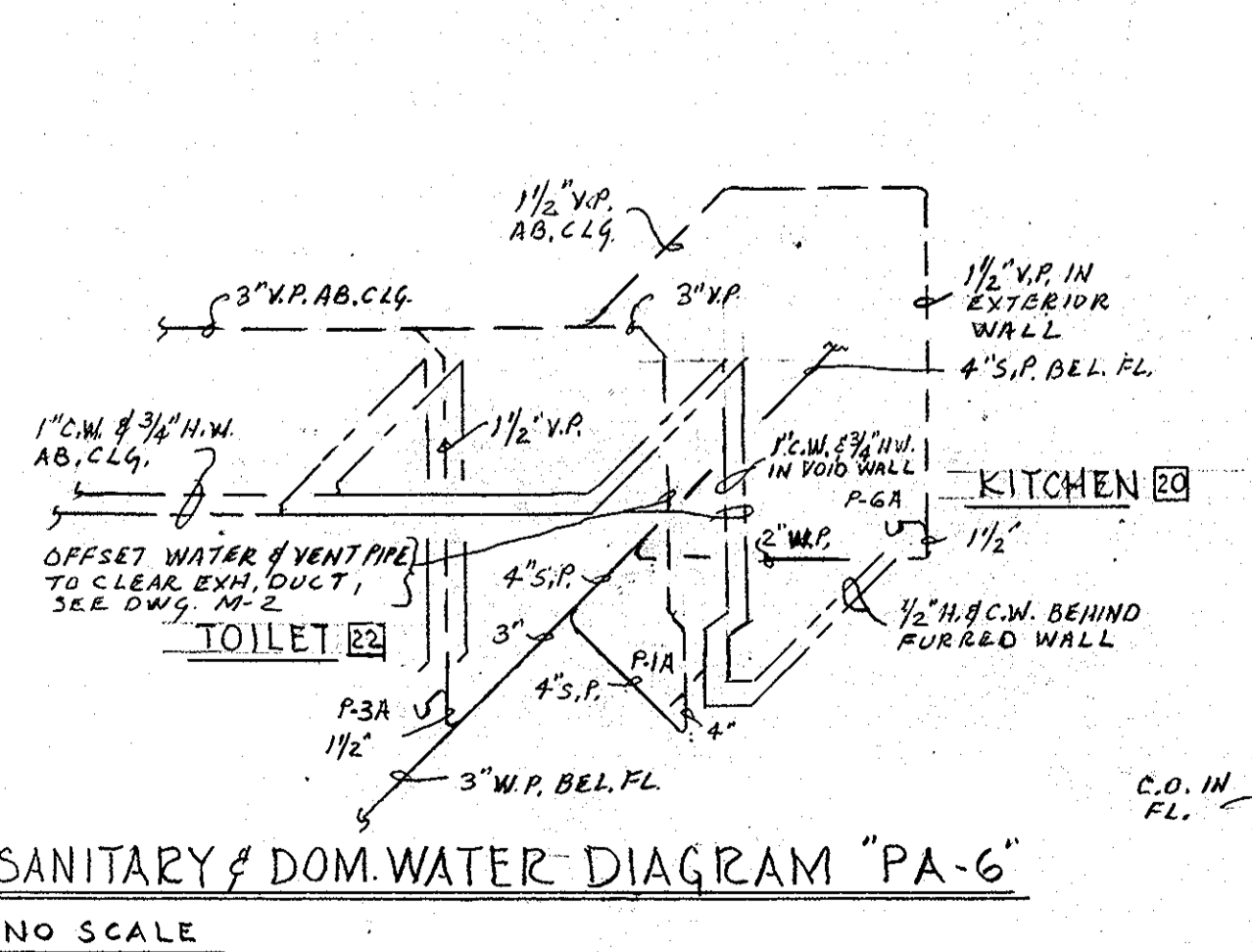
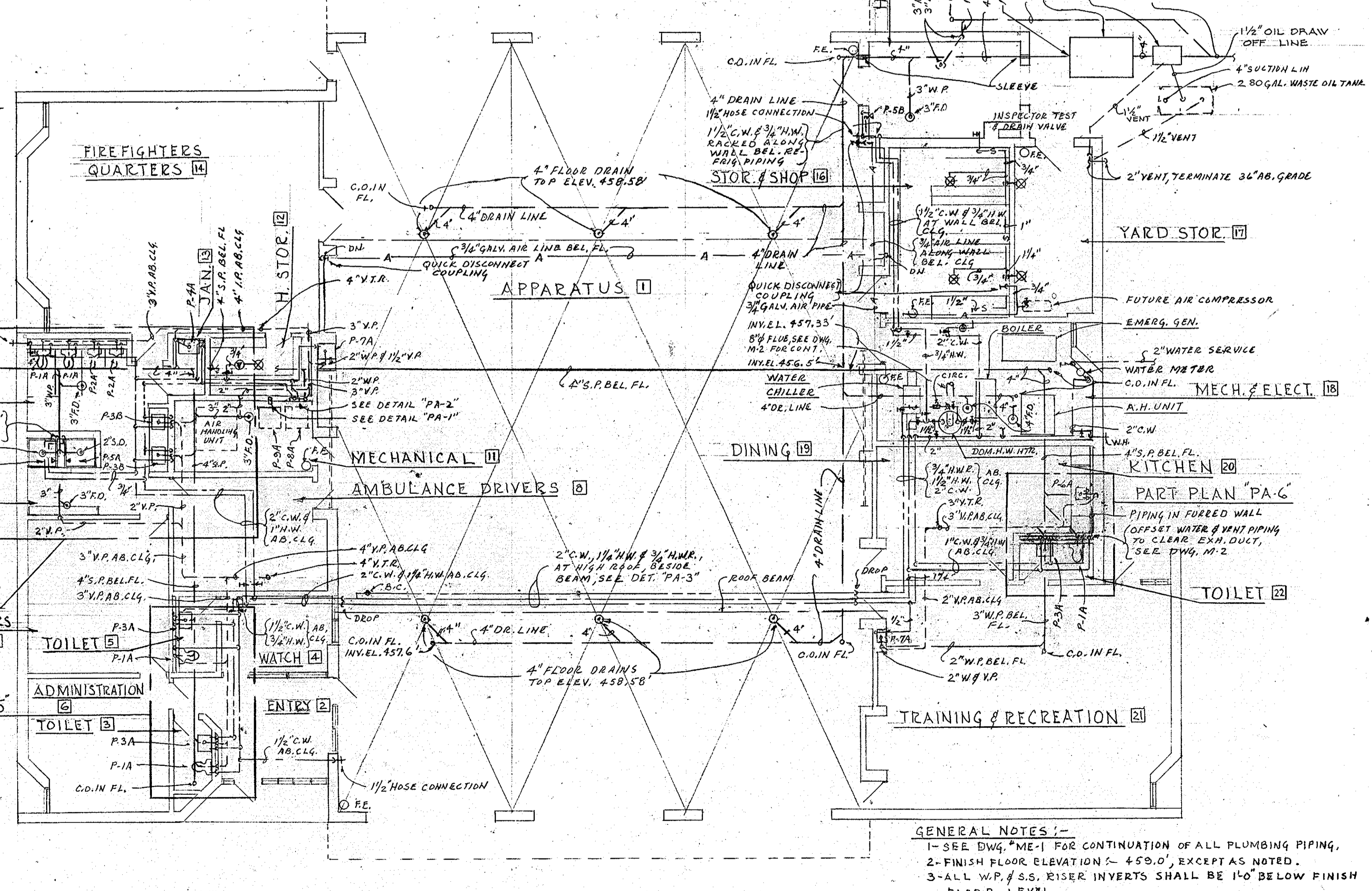
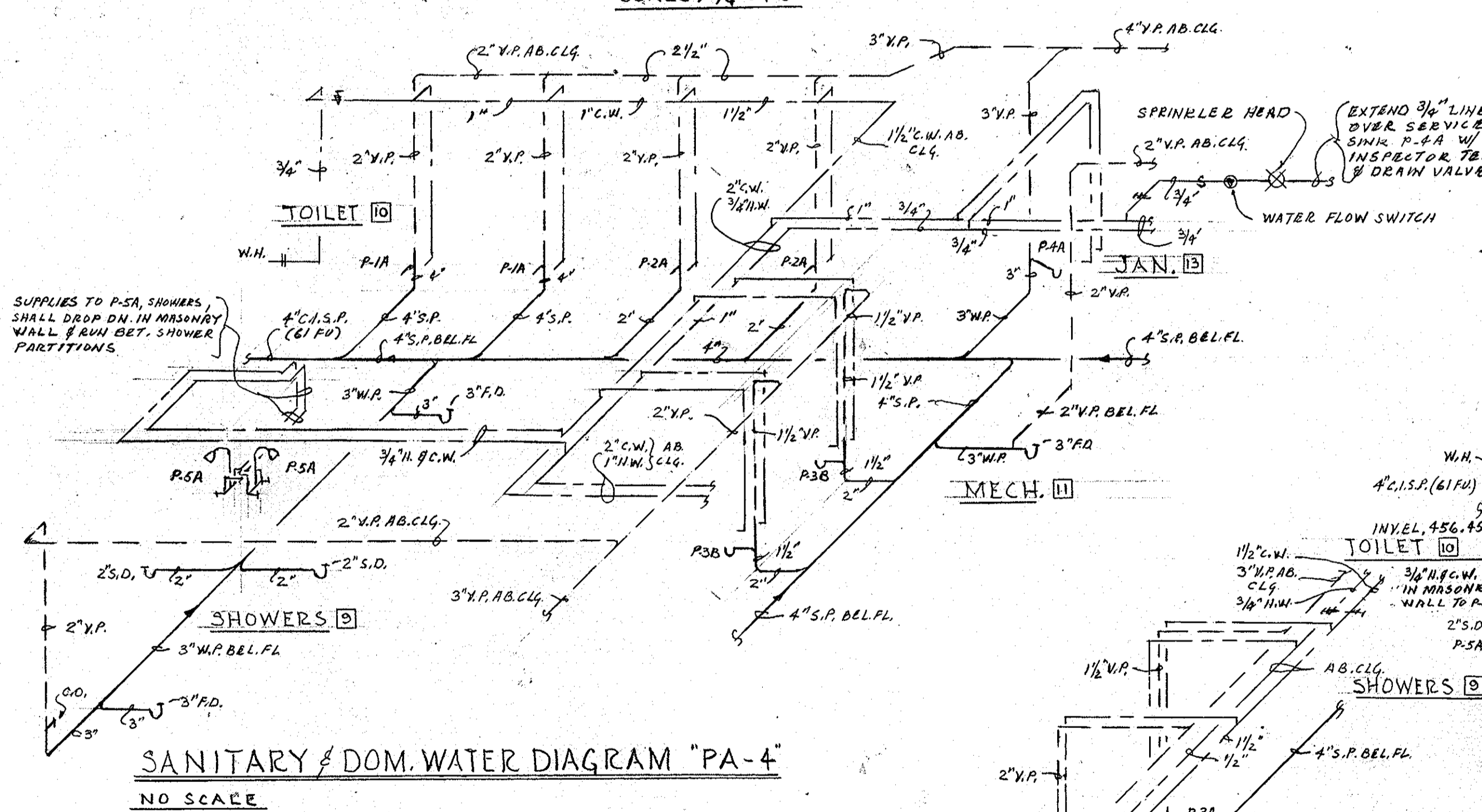
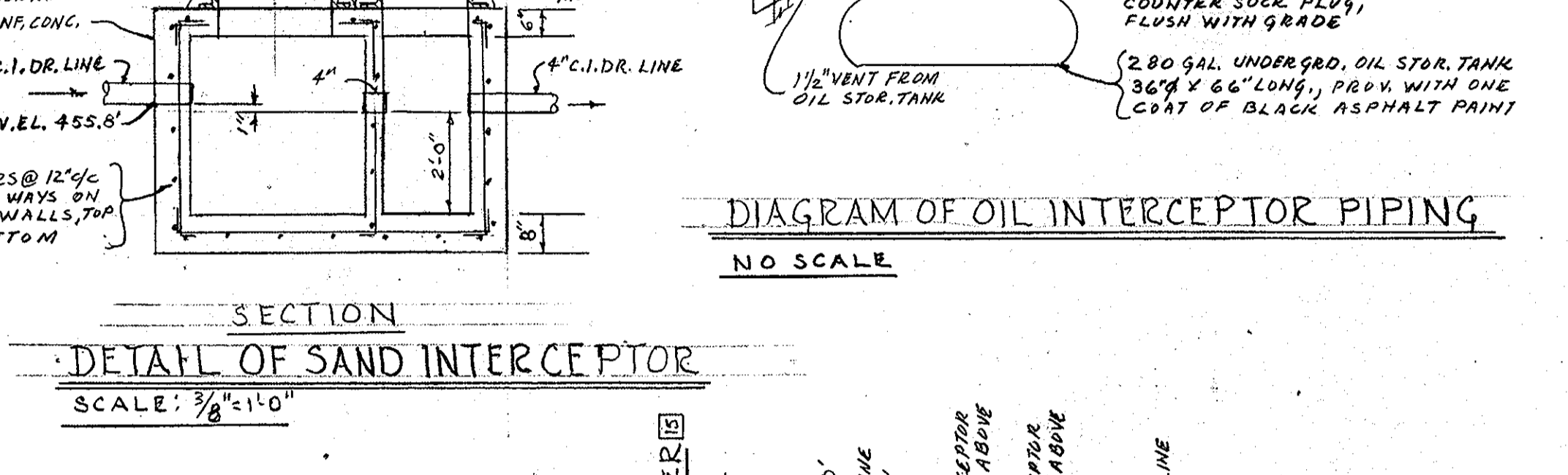
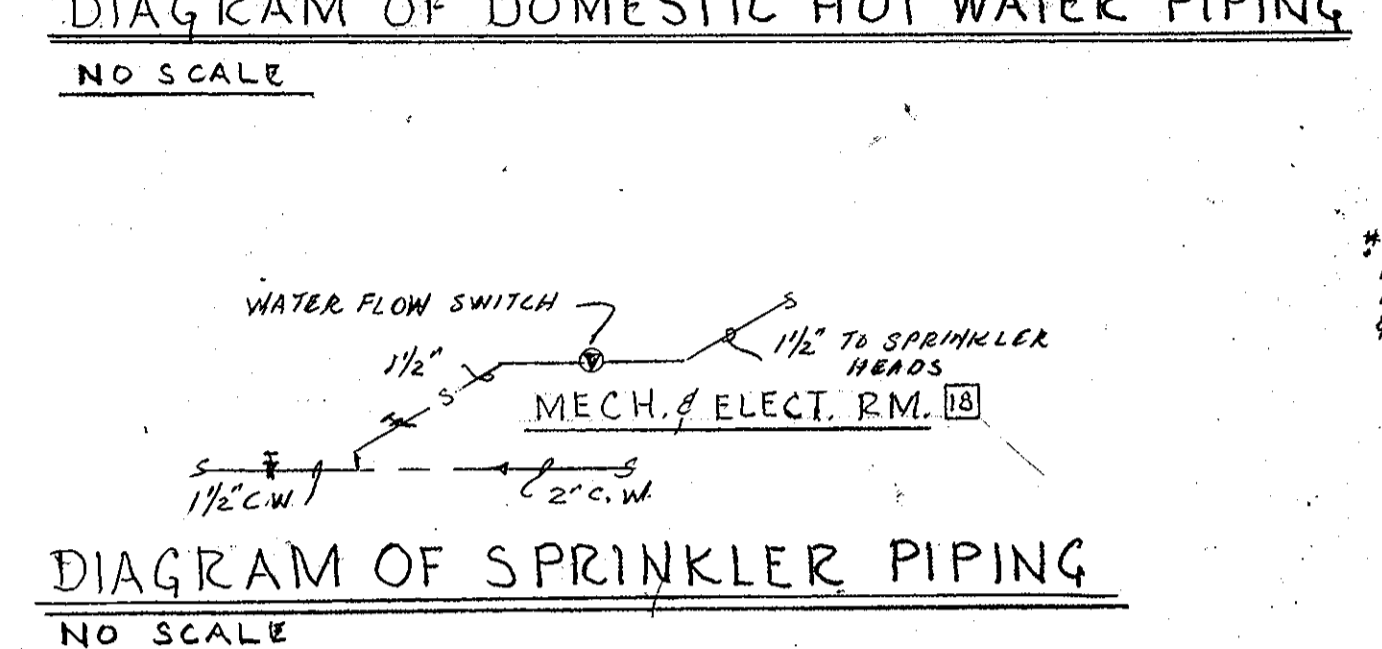
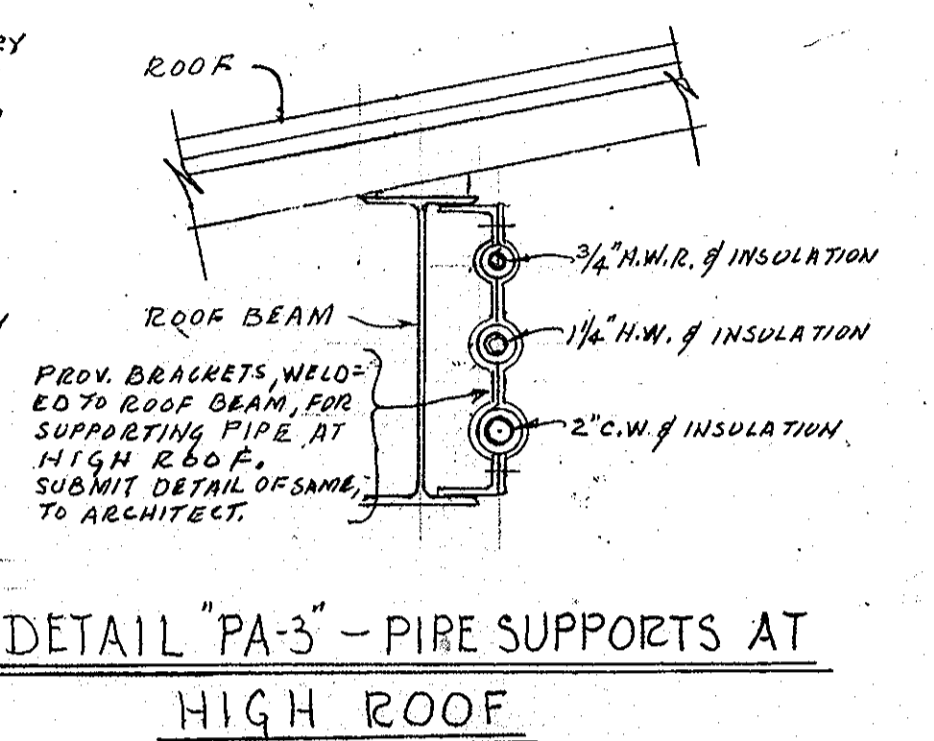
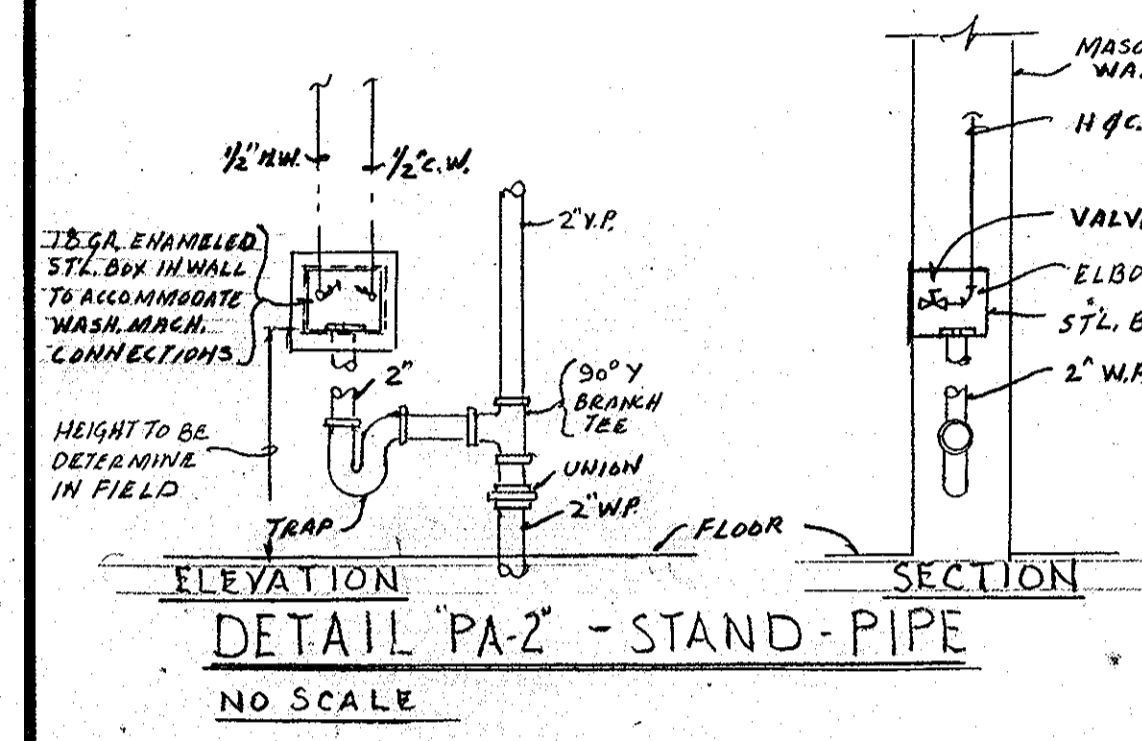
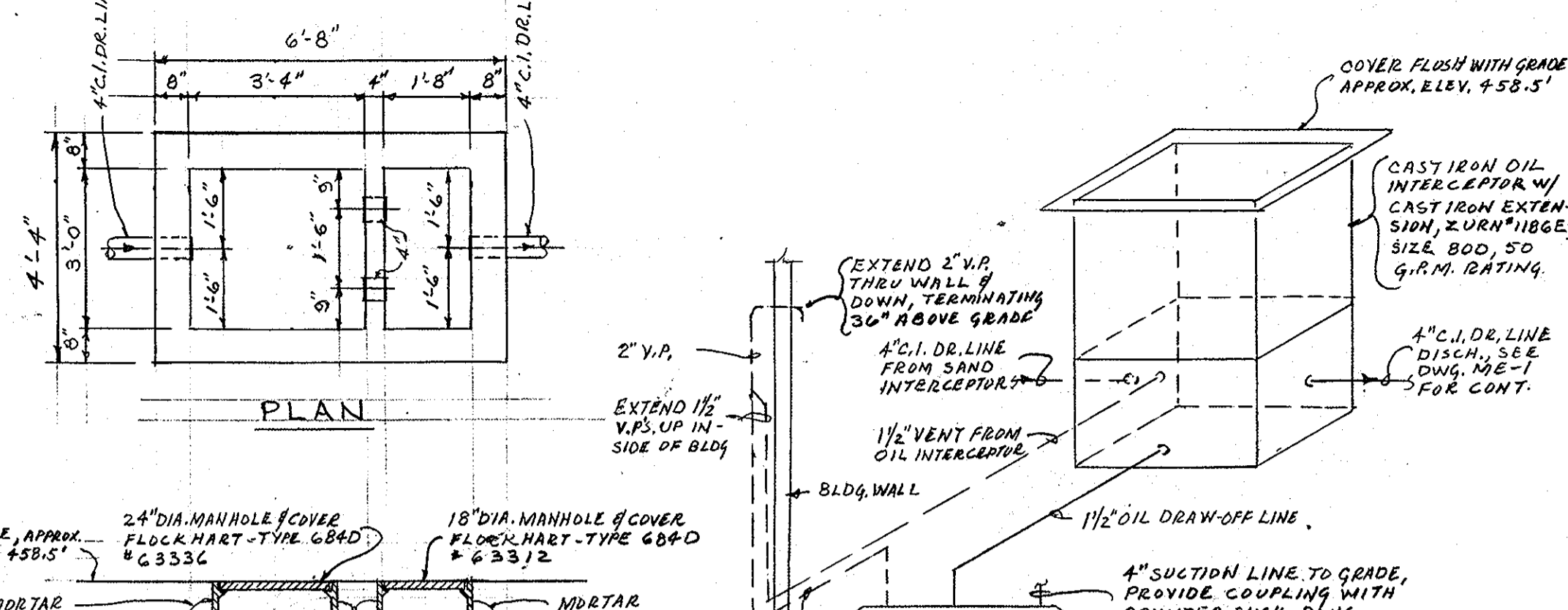
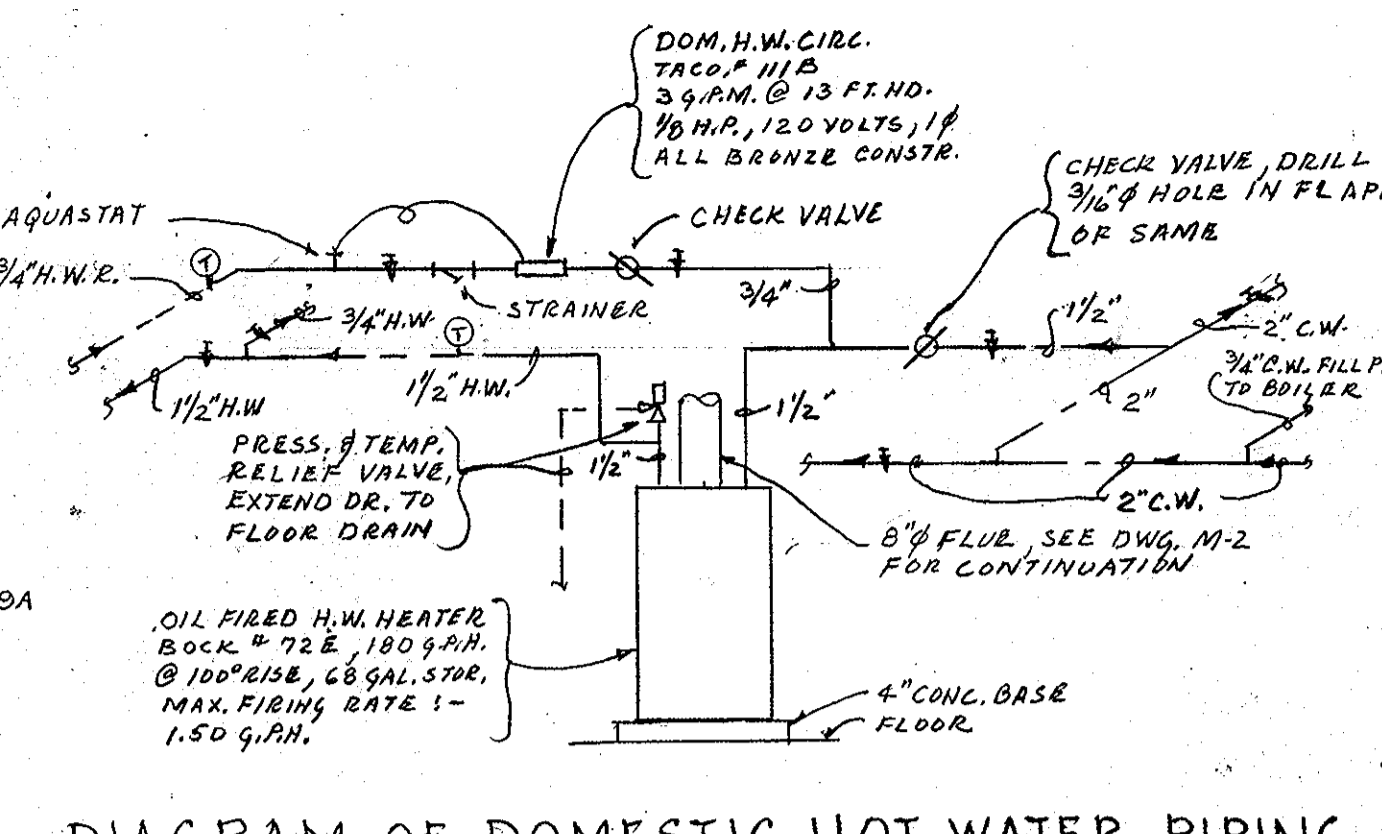
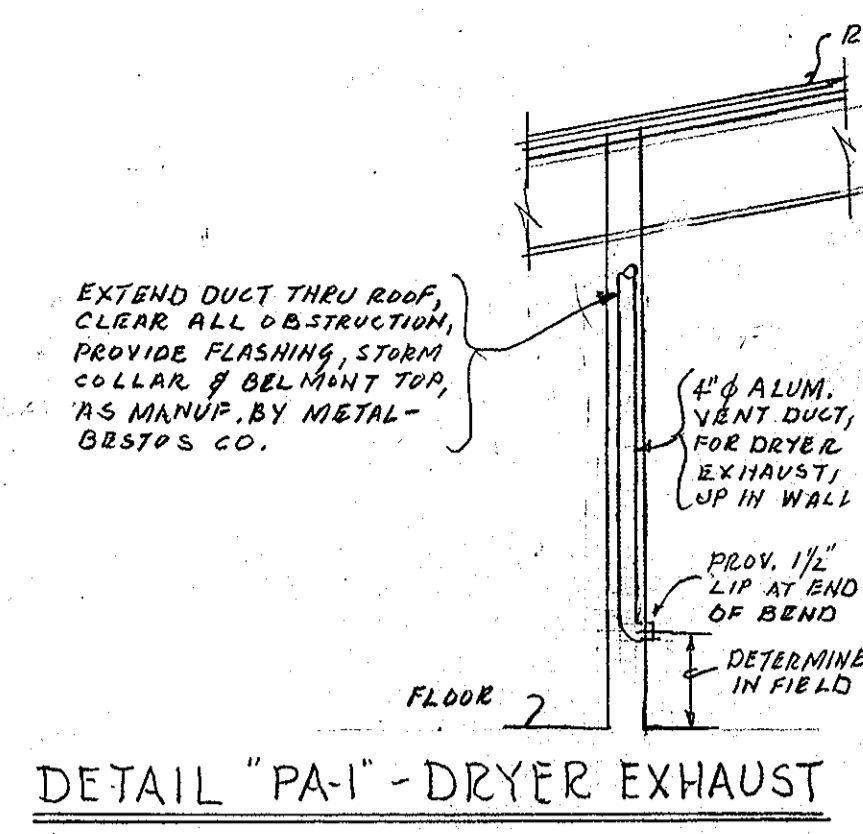


**TYPICAL CONNECTIONS TO AIR HANDLING UNIT**  
NO SCALE

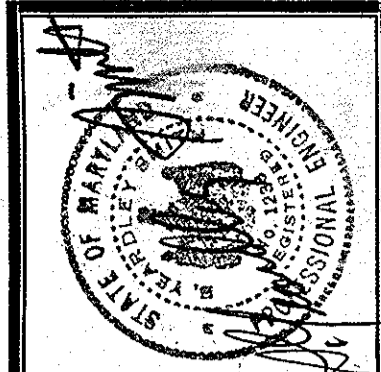
  
**ROUTE 99 FIRE STATION**  
 FOR THE DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 PROJ. FS0001  
 SCV ARCHITECTS SANDLASS CRAWFORD & VERKERKE  
 VAN RENSSELAER P SAXE STRUCTURAL ENGINEER  
 S YEARDLEY SMITH INC MECHANICAL ENGINEERS  
 MECHANICAL SCHEDULES & DIAGRAMS  
 OCTOBER 1972  
 SHEET NO.  
**M3**  
 RECORD DRAWING JUNE 74

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PLUMBING FIXTURE SCHEDULE							
ABB.	FIXTURE	SOIL WASTE	TRAP	VENT	C.W.	H.W.	REMARKS
P-1A	WATER CLOSET	4"	INT.	2"	3/4"	15"	WALL HUNG TANK TYPE
P-2A	URINAL	2"	INT.	2"	1"	24" TO LIP	WALL HUNG FLUSH VALVE
P-3A	LAVATORY	2"	1/2" X 1/2"	1 1/2"	1/2"	32"	CHAIR HANGER MID COUNTER-TOP
P-4A	SERVICE SINK	2"	3"	3"	3/4"	1/2"	P-TRAP STD
P-5A	SHOWER	2" S.D.		1/2"	1/2"	6'-0" TO HD.	
P-5B	SHOWER	2" S.D.		1/2"	1/2"	7'-0" TO HD.	
P-6A	KITCHENETTE UNIT	2"	1 1/2"	1 1/2"	1/2"		COUNTER-TOP RECESSED
P-7A	ELEC. WATER COOLER	2"	1 1/2"	1 1/2"	1/2"		SEE DETAIL "PA-2"
P-8A	DOMESTIC WASH. MACH. (NIC)	2"	2"	2"	1/2"		SEE DETAIL "PA-1"
P-9A	DRYER (NIC)						SEE DETAIL "PA-1"



- GENERAL NOTES:-
- 1-SEE DWG. "ME-1" FOR CONTINUATION OF ALL PLUMBING PIPING, EXCEPT AS NOTED.
  - 2-FINISH FLOOR ELEVATION IS 459.0', EXCEPT AS NOTED.
  - 3-ALL W.P. & S.S. RISER INVERTS SHALL BE 1'-0" BELOW FINISH FLOOR LEVEL.
  - 4-SANITARY SEWER SHALL HAVE 1/8% GRADE, EXCEPT WHERE NOTED OTHERWISE.
  - 5-DRAIN LINE & STORM WATER SHALL HAVE 1/8% GRADE, EXCEPT WHERE NOTED OTHERWISE.

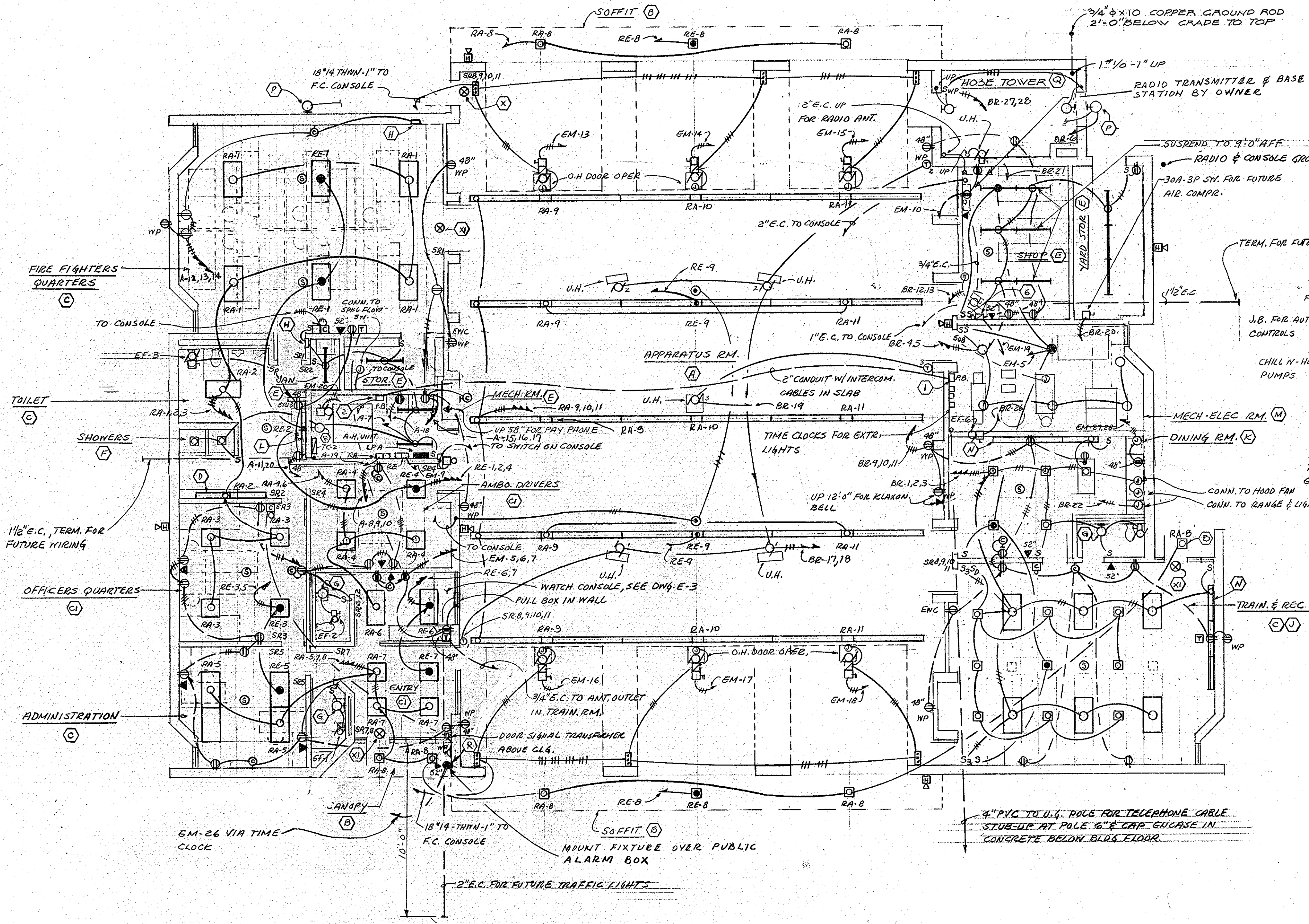
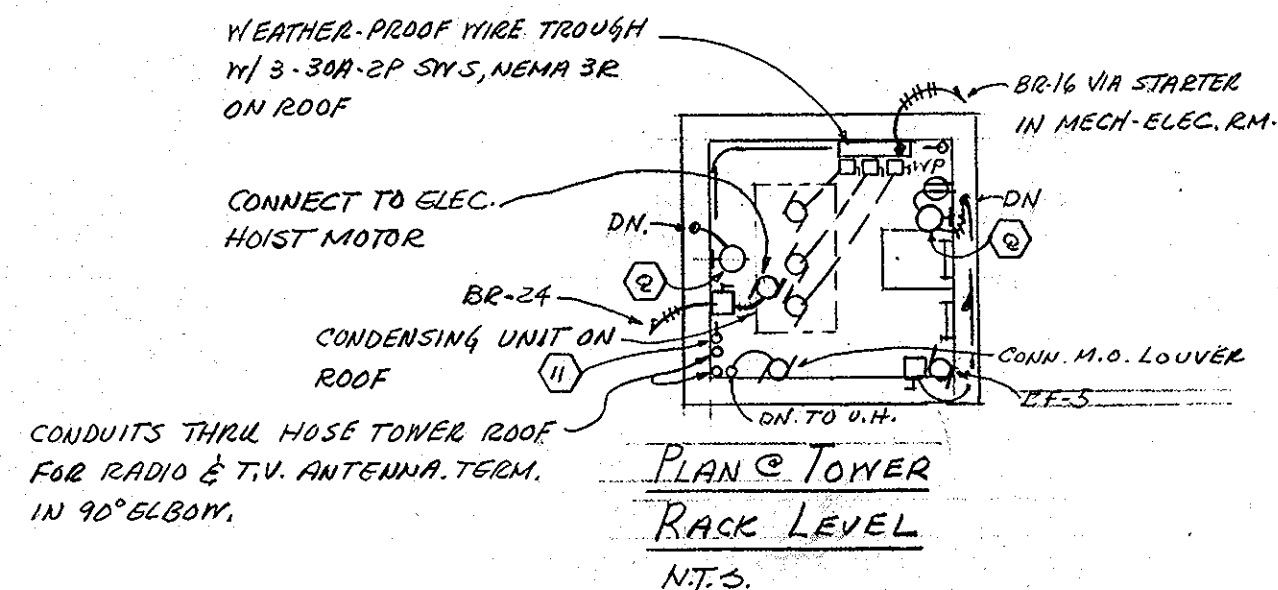
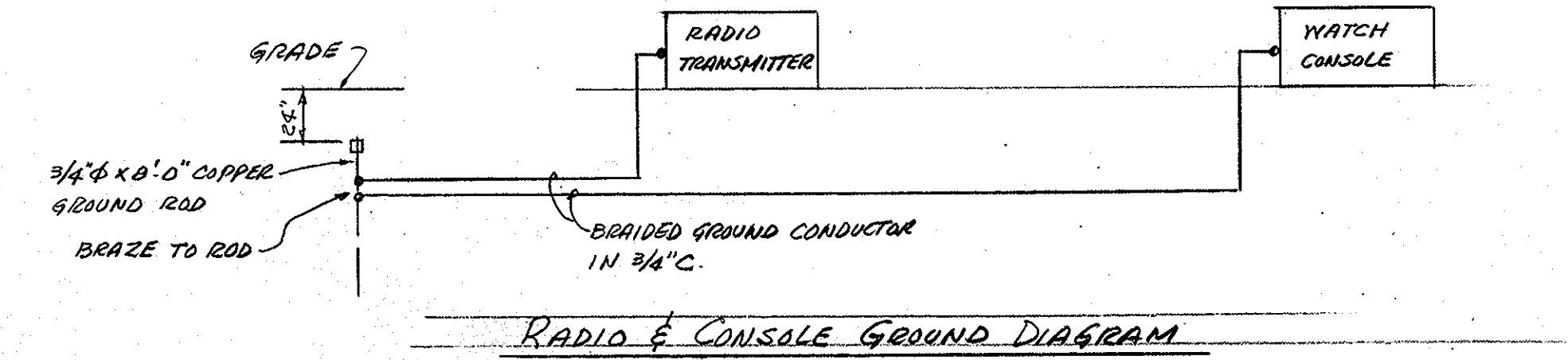
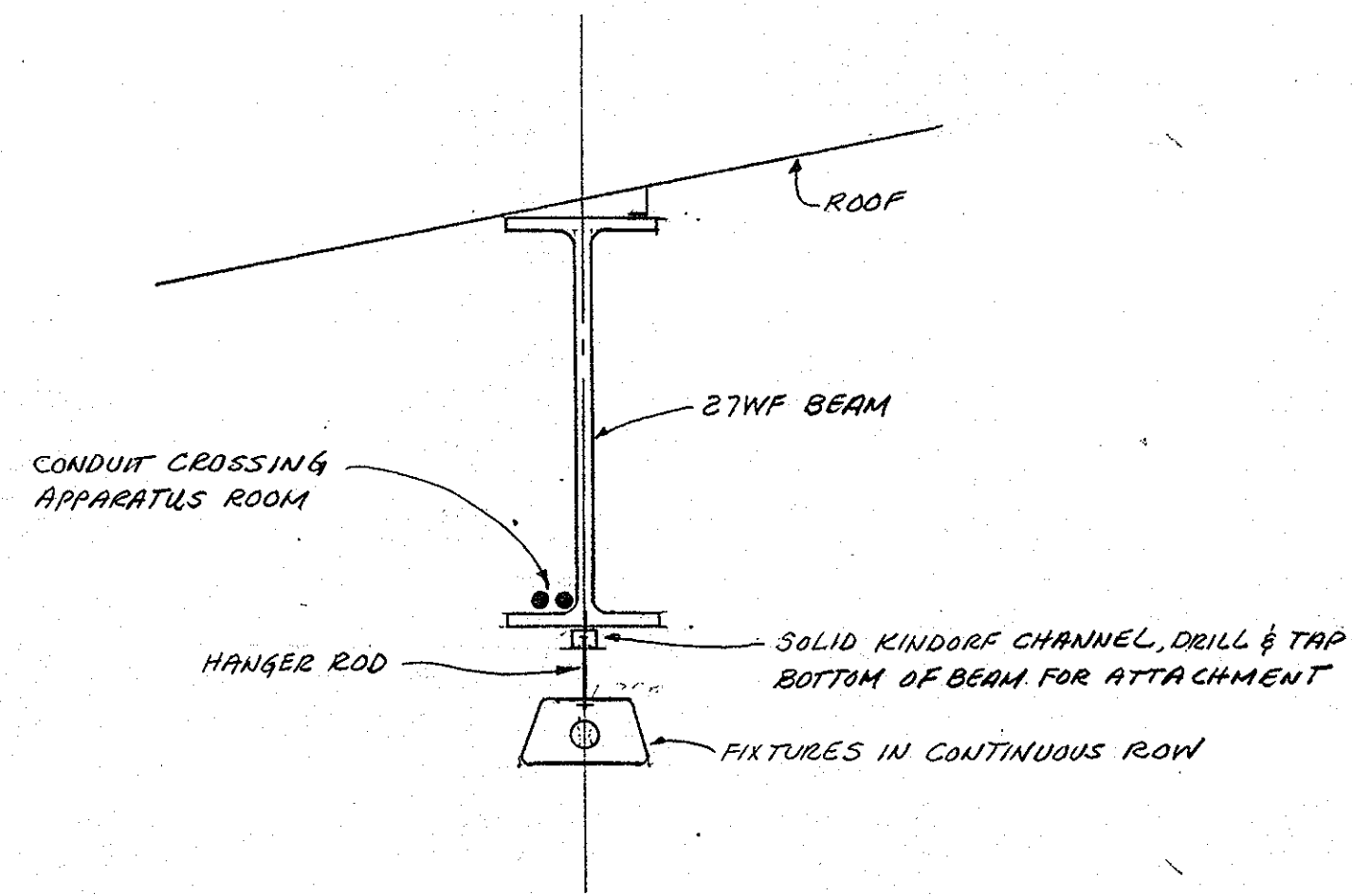


**ROUTE 99 FIRE STATION**  
FOR THE DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
PROJ. FS0001

SCV SANDLASS GRAYCROFT & VERKERKE ARCHITECTS  
VAN RENSSELAER P SAXE STRUCTURAL ENGINEER  
S YEARDLEY SMITH INC MECHANICAL ENGINEERS

PLUMBING PLAN & DETAILS

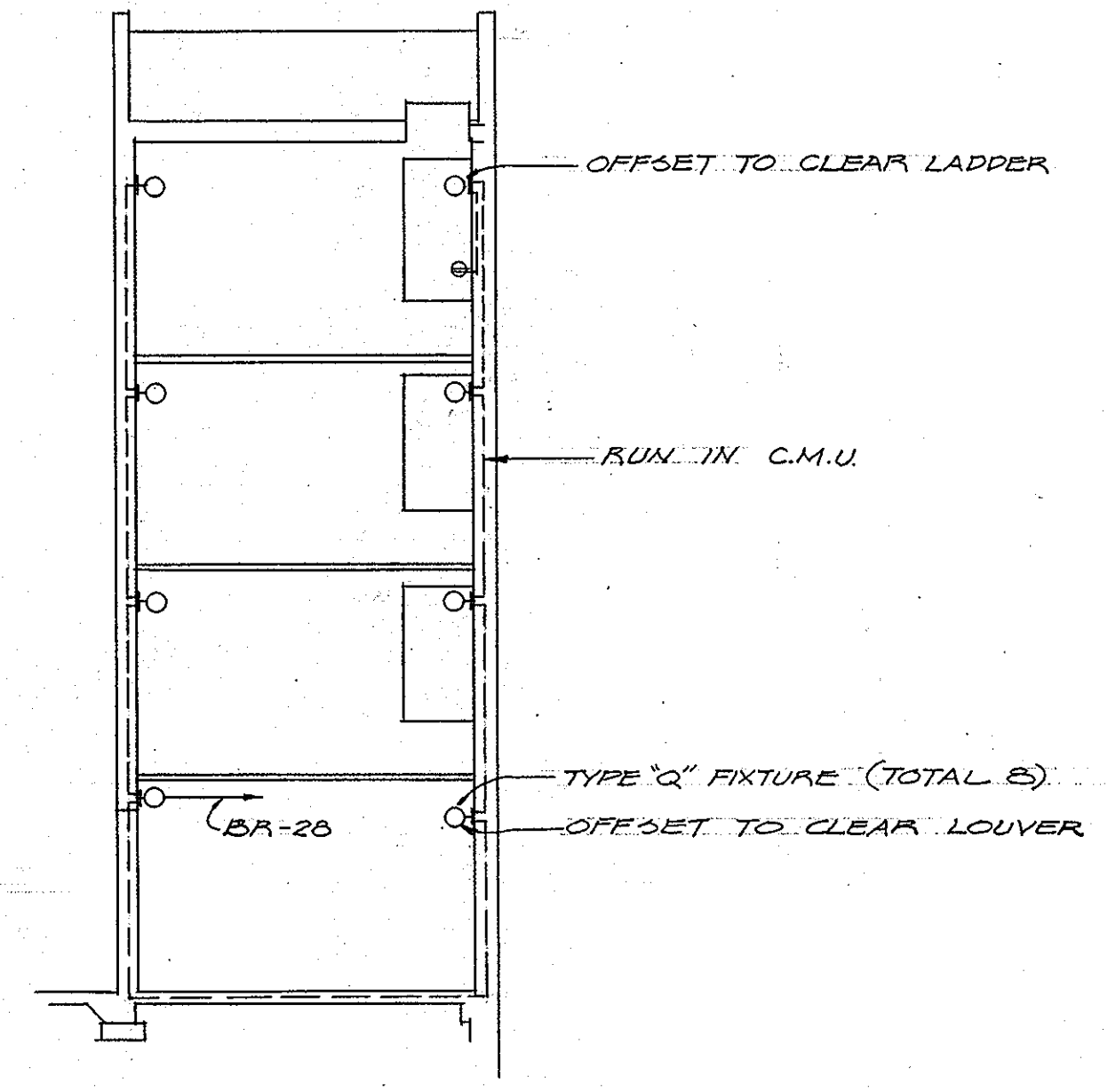
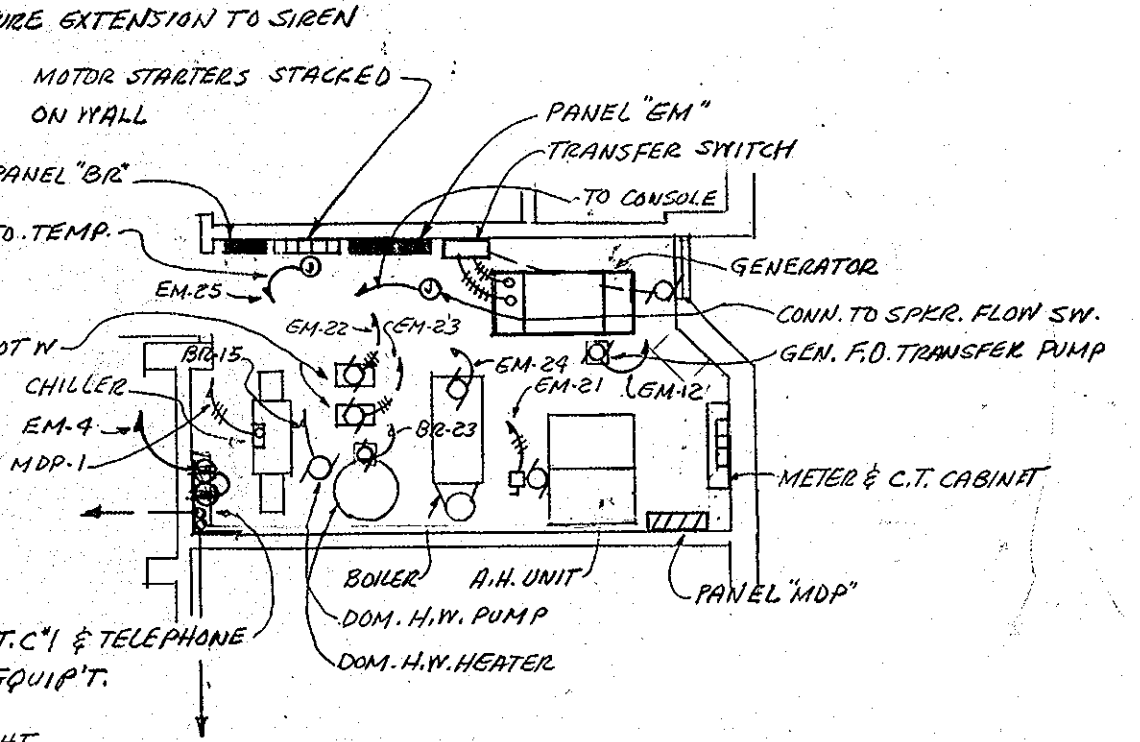
OCTOBER 1972  
SHEET NO. **M4**  
RECORD DRAWING \* JUNE 74



- NOTES:**
- INSTALL INTERCOM SOUND CABLES IN CONDUIT TO PULL BOX IN MECH. RM. NEXT TO AMBO. DRIVERS. INSTALL CABLES IN CONDUIT TO PULL BOX IN MECH-ELEC. RM. FOR SPEAKERS ON THIS SIDE OF BLDG.
  - INSTALL 2 1/2" CONDUIT WITH INTERCOM. CABLES FROM J.B. TO CONSOLE
  - CONDUIT EXPOSED IN APPARATUS RM. SHALL BE INSTALLED ON TOP OF BOTTOM FLANGE OF BEAMS. VERTICAL RUNS SHALL BE INSTALLED CONCEALED IN BLOCK WALL
  - INSTALL 1" CONDUIT FROM TV. ANTENNA OUTLET IN TRAINING RM. TO A POINT ABOVE ROOF NEXT TO RADIO CONDUIT CAP FOR FUTURE ANTENNA WIRE LEAD BY OTHERS.
  - ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL THERMOSTATS CONTROLLING UNIT HEATERS.
  - INSTALL CONDUITS TO SIREN MOTOR STARTER LOCATION. VERIFY ROUGH-IN LOCATION WITH OWNER.
  - INSTALL W.P. PUSH BUTTON OUTSIDE FRONT ENTRY & CONNECT TO DOOR CHIMES IN OFFICERS QUARTERS & TRAINING ROOM. SYSTEM SHALL BE 24V AC.
  - INSTALL SHEET METAL SKIRTS AROUND CONDUITS ENTERING PANELS FROM FLOOR SLAB; TYPICAL ALL PANELS & TELEPHONE CABINETS.
  - ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL ALL WIRING TO APPARATUS RM. O.H. DOORS INCLUDING PNEU-ELEC TAKE-UP REEL. COORDINATE WITH DOOR SUPPLIER.
  - INSTALL HEAT DETECTOR CHIME & SPRINKLER FLOW BUZZER IN T.F. QUARTERS. WIRE ON CIRCUIT WITH SIMILAR DEVICES IN WATCH CONSOLE.
  - TERMINATE LIGHTNING DOWN CONDUCTOR IN CONNECTOR CLAMP FOR CONNECTION TO ANTENNA BY RADIO DIVISION.

**SYMBOLS**

	1'x8' FLUORESCENT FIXTURE
	1'x4' " " "
	2'x4' " " "
	2'x2' " " "
	CHANNEL STRIP " " INCANDESCENT CEILING FIXTURE
	WALL MOUNTED FIXTURE " " INCANDESCENT
	RECESSED INCAN. FIXTURE " " INCANDESCENT
	EXIT FIXTURE " " EXIT
	FIXTURE OUTLET ON EMERGENCY CIRCUIT " " EMERGENCY
	DUPLEX RECEPTACLE " " RECEPTACLE
	JUNCTION BOX " " WEATHER PROOF
	MOTOR OUTLET " " MOTOR
	MOTOR STARTER OR CONTROLLER " " STARTER
	DISCONNECT SWITCH " " SWITCH
	CLOCK OUTLET " " CLOCK
	TELEVISION ANTENNA OUTLET & RECEPTACLE " " ANTENNA
	FLUSH CEILING SPEAKER " " SPEAKER
	WALL MOUNTED HORN TYPE SPEAKER " " SPEAKER
	TELEPHONE OUTLET " " TELEPHONE
	ALARM GONG " " ALARM
	THERMOSTAT " " THERMOSTAT
	HEAT DETECTOR " " DETECTOR
	UP-DN STOP FLUSH MOUNTED PUSH BUTTON STATION " " STOP
	DISTRIBUTION PANEL BOARD " " PANEL
	BRANCH CIRCUIT PANEL BOARD " " PANEL
	TELEPHONE TERMINAL CABINET " " CABINET
	RELAY CABINET " " RELAY
	INDICATES REFER. NOTE " " REFER
	INDICATES LIGHTING FIXTURE TYPE " " LIGHTING
	CONDUIT & WIRING IN WALL OR CEILING " " CONDUIT
	CONDUIT & WIRING IN FLOOR SLAB " " CONDUIT
	SINGLE POLE TOGGLE SWITCH " " SWITCH
	DOUBLE POLE " " SWITCH
	DIMMER SWITCH WITH ON-OFF CONTROL " " SWITCH
	MANUAL MOTOR SWITCH WITH PILOT LIGHT " " SWITCH
	SWITCH WITH PILOT LIGHT " " SWITCH
	LOW-VOLT. REMOTE SWITCH " " SWITCH
	WEATHER PROOF " " SWITCH
	EMPTY CONDUIT " " CONDUIT
	LOW-VOLT RELAY " " RELAY
	AUTO. TRANSFER SWITCH " " SWITCH
	RECEPTACLE ON EMERGENCY CIRCUIT " " RECEPTACLE
	FLUSH FLOOR RECEPTACLE " " RECEPTACLE
	DOOR SIGNAL CHIME " " CHIME
	DOOR CHIME PUSHBUTTON STATION " " CHIME
	30A-125/250V GND. RECEPTACLE " " RECEPTACLE
	OIL BURNER SAFETY SW. " " SWITCH
	SPRINKLER FLOW SWITCH BUZZER " " BUZZER
	HEAT DETECTOR CHIME " " CHIME



**ROUTE 99 FIRE STATION**  
FOR THE DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
PROJ. FS0001

**SCV ARCHITECTS**  
SANDLASS CRAWFORD & VERKERKE  
VAN RENSSLAER P SAXE  
STRUCTURAL ENGINEER  
SEWARDLEY SMITH INC  
MECHANICAL ENGINEERS

ELECTRICAL PLAN

OCTOBER 1972  
SHEET NO. **E 2**  
RECORD DRAWING  
JUNE 74

517

