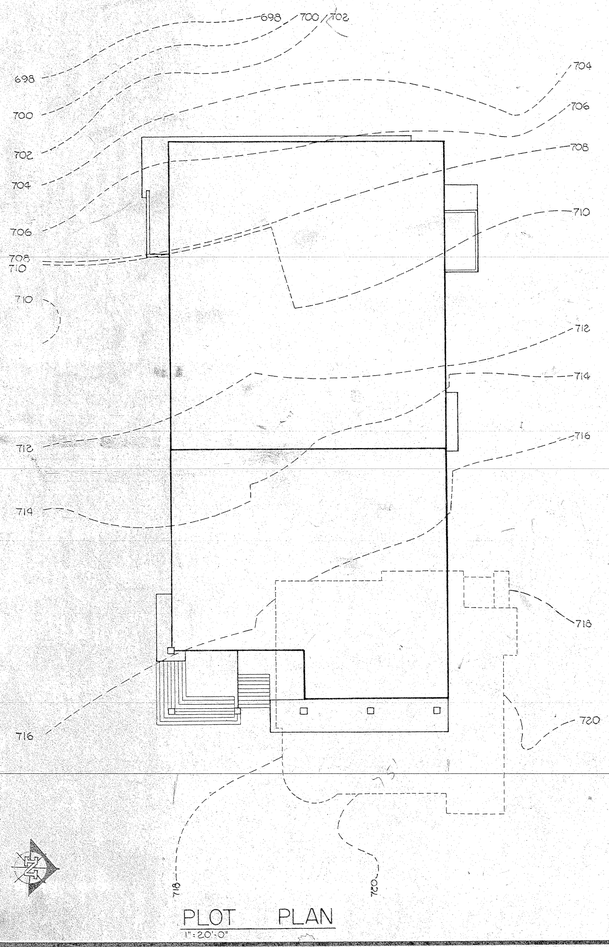
PUBLIC SAFETY BUILDING

(COURTS-POLICE PORTION OF GOVERNMENTAL COMPLEX) FOR THE CITY OF

LYNCHBURG, VIRGINIA

COMM. NO. 6905



PLOT PLAN
1"=20'-0"

NOTE: CONTOURS SHOWN ON THIS PLOT PLAN ARE TAKEN FROM EXISTING SITE TOPOGRAPHIC SURVEY DATED 2-17-70 AS FURNISHED BY WILEY & WILSON AND SHOW EXISTING CONTOURS ONLY. FOR FINISH CONTOURS, SEE ELEVATIONS THESE DRAWINGS AND TOPOGRAPHICAL MAP AS FURNISHED BY WILEY & WILSON.

FIRST FLOOR ELEV. ——— 723.00
GROUND FLOOR ELEV. ——— 713.00
BASEMENT FLOOR ELEV. ——— 703.00

---------- EXISTING BUILDING
———— PUBLIC SAFETY BUILDING

1" = 20' = N Actual

LEGEND

- BRICK
- L.W.A. BLOCK
- MARBLE
- CONCRETE
- STEEL
- STUCCO OR PLASTER
- INSULATION
- SUSPENDED CEILING
- FIN. WOOD
- PLYWOOD
- CARPET
- BUILT UP ROOFING
- METAL DECK
- EXPANSION JOINT
- GRAVEL
- EARTH
- GLASS

INDEX TO PLANS

1 PLOT PLAN, LEGEND, & INDEX
2 FOUNDATION & FOOTING PLANS, KEY PLAN
3 BASEMENT FLOOR PLAN, GROUND FLOOR STRUCTURAL
4 GROUND FLOOR PLAN, FIRST FLOOR STRUCTURAL
5 FIRST FLOOR PLAN, LOW & HIGH ROOF PLAN, LOW & HIGH ROOF STRUCTURAL
6 COURT ROOM PLAN & DETAILS
7 FRONT & REAR ELEVATIONS, GLASS WALL ELEVATIONS
8 SIDE ELEVATIONS
9 FULL SECTIONS, STAIR DETAILS
10 WALL SECTIONS
11 WALL SECTIONS
12 WALL SECTIONS
13 WINDOW DETAILS, WALL SECTIONS
14 WALL CABINET CLERK NO.1, WALL SECTIONS
15 EXTERIOR STAIR DETAILS, WALL SECTIONS
16 AREAWAY SECTIONS, PASS WINDOW DETAILS
17 CABINET DETAILS
18 CABINET DETAILS
19 JAIL DETAILS, DARK ROOM DETAILS
20 FIRST FLOOR PLAN - PLUMBING
21 GROUND FLOOR PLAN - PLUMBING
22 BASEMENT FLOOR PLAN - PLUMBING
23 DRAIN TILE PLAN & DETAILS-PLUMBING
24 RISER DIAGRAMS & DETAILS-PLUMBING
25 SCHEDULES & DETAILS-PLUMBING
26 HEATING, VENTILATING & AIR CONDITIONING, BASEMENT FLOOR PLAN
27 HEATING, VENTILATING & AIR CONDITIONING, GROUND FLOOR PLAN
28 HEATING, VENTILATING & AIR CONDITIONING, FIRST FLOOR PLAN
29 HEATING, VENTILATING & AIR CONDITIONING, EQUIPMENT SCHEDULES
30 HEATING, VENTILATING & AIR CONDITIONING, CONTROL DIAGRAMS
31 HEATING, VENTILATING & AIR CONDITIONING, DETAILS
32 HEATING, VENTILATING & AIR CONDITIONING, DETAILS
33 ELECTRICAL, BASEMENT FLOOR PLAN
34 ELECTRICAL, GROUND FLOOR PLAN
35 ELECTRICAL, FIRST FLOOR PLAN
36 ELECTRICAL SCHEDULES AND DIAGRAMS
37 COMMUNICATIONS, BASEMENT FLOOR PLAN
38 COMMUNICATIONS, GROUND FLOOR PLAN
39 COMMUNICATIONS, FIRST FLOOR PLAN

SECTION OR DETAIL
SHEET WHERE SECTION IS CUT
SHEET WHERE SECTION IS SHOWN

ELEVATION

CERTIFYING THAT BASEMENT E.O.C. AREA MEETS ALL REQUIREMENTS FOR MINIMUM 100% PROTECTION FACTOR

LUCK, GERALD B. SR. ANALYST
2TT0059 265

SIGNED Gerald B Luck Sr
11-6-70

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

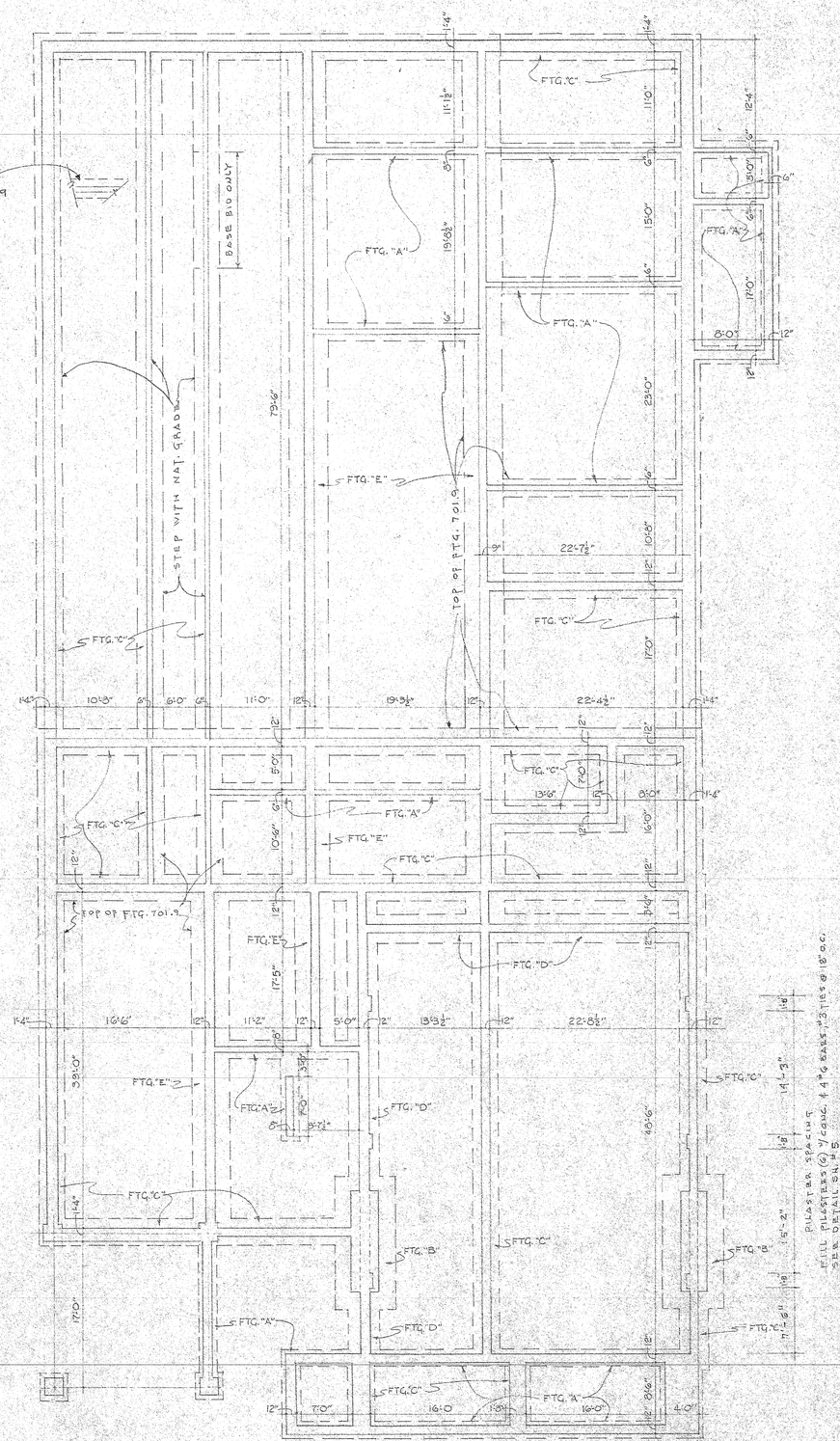
COMMONWEALTH OF VIRGINIA
ROBERT R. HINNANT
PROFESSIONAL ENGINEER
CERTIFICATE No. 44
CERTIFIED PROFESSIONAL ENGINEER

Hinnant, Addison and Hin
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG,

COMM NO	DRAWN BY	DATE	DR
6905	BRATTON	12-1-70	3

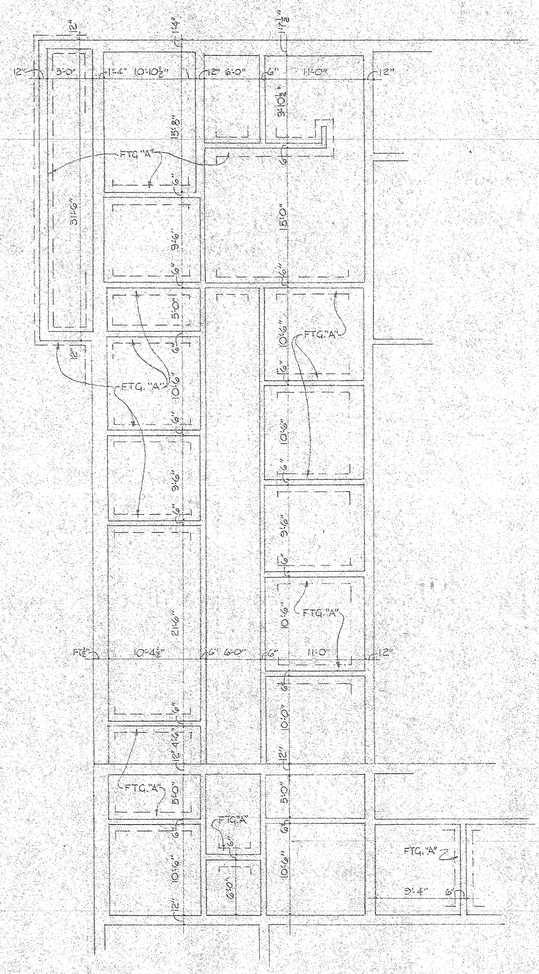
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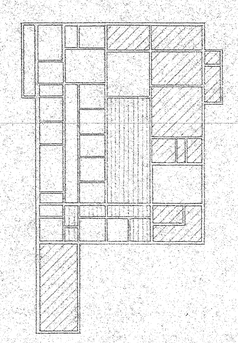
BASE & ALT. NO. 2 FOOTING & FOUNDATION PLAN

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



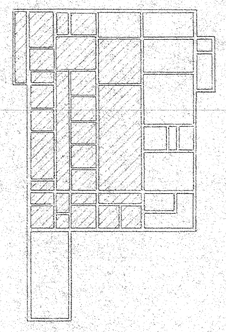
ALT. NO. 1 FOOTING & FOUNDATION PLAN

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



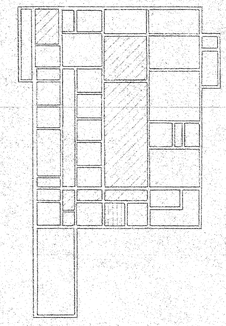
BASE BID

(FIRST FLOOR & GROUND FLOOR INCLUDED)



ALTERNATE #1

(E.O.C.)



ALTERNATE #2

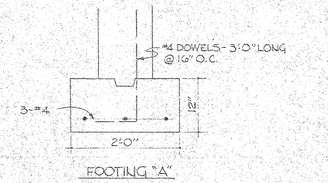
FINISHED AREAS

UNFINISHED AREAS

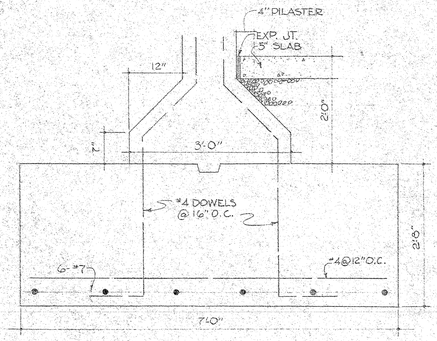
NOT INCLUDED (UNEXCAVATED)

KEY PLAN

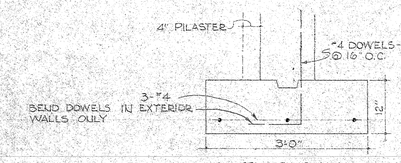
SCALE: 1/32" = 1'-0"



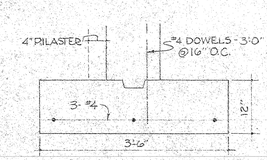
FOOTING "A"



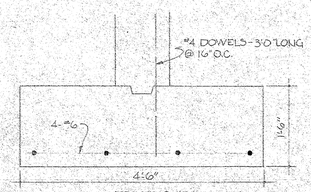
FOOTING "B"



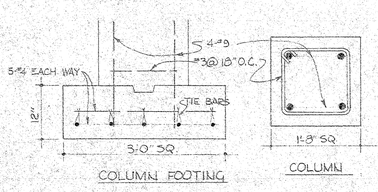
FOOTING "C"



FOOTING "D"



FOOTING "E"



COLUMN FOOTING

COLUMN

FOOTING DETAILS

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

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

COMMONWEALTH OF VIRGINIA — ROBERT H. HINNANT — PROFESSIONAL ENGINEER — CERTIFICATE No. 44 — CERTIFIED PROFESSIONAL ENGINEER

Hinnant, Addison and Hinnant

ARCHITECT AND ENGINEERS

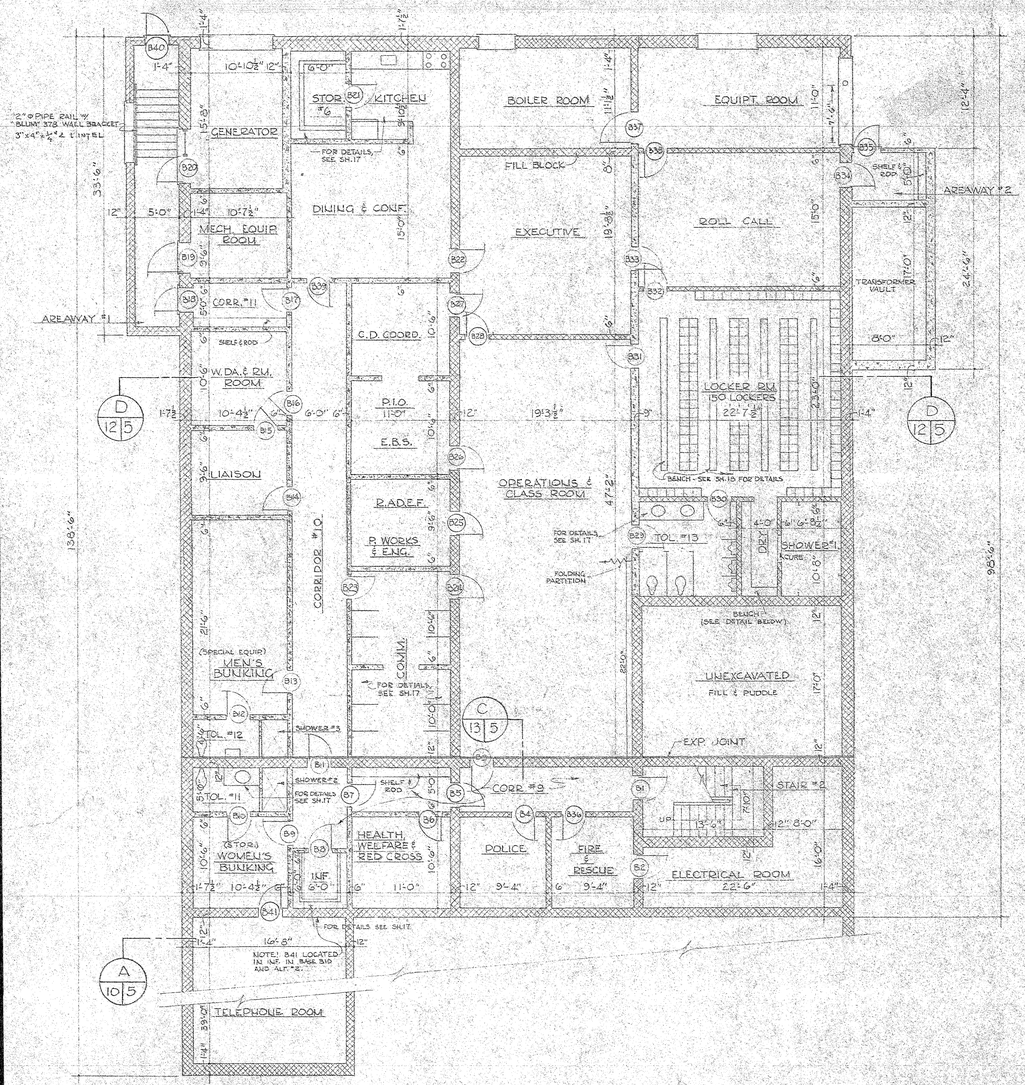
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G.
6905	BJA & TEZ	12-1-70	OF 39

REVISIONS

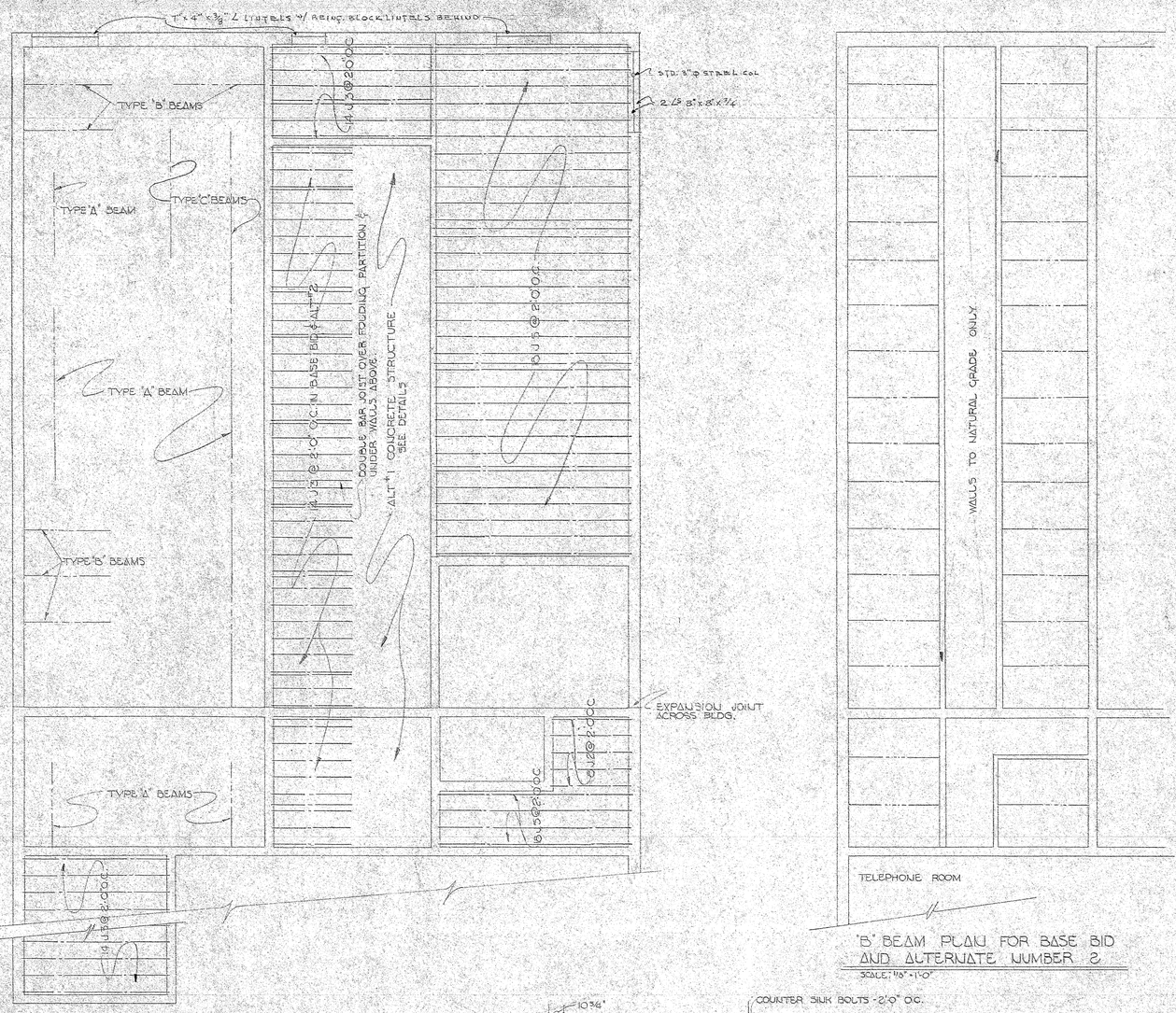
2

BRUNING 40-105 11017



BASEMENT FLOOR PLAN

SCALE: 1/8"=1'-0" FLOOR ELE. 703.00



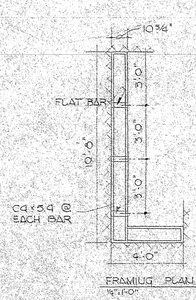
'B' BEAM PLAN FOR BASE BID AND ALTERNATE NUMBER 2

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

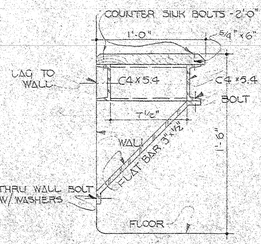
STRUCTURAL - GROUND FLOOR - FLOOR

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

NOTE: CONCRETE BEAMS ARE SHOWN AS IN ALT #1 ONLY.
ALL BRICK OPENINGS TO HAVE MIN. 3"x3½"x¼" L ALL FLOORS



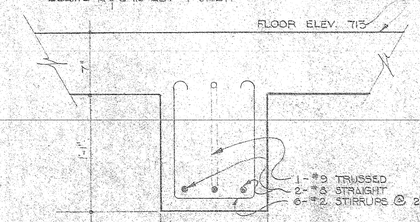
FRAMING PLAN
¼"=1'-0"



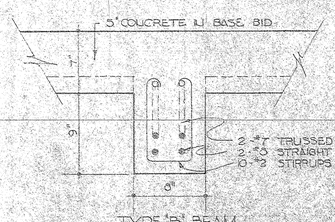
SECTION
½"=1'-0"

BENCH FOR DRY ROOM

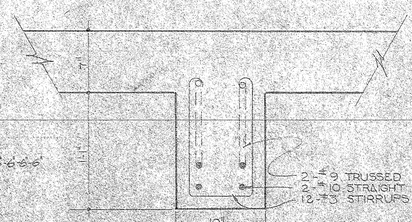
NOTE:
BEAMS A & C IN ALT #1 ONLY.



TYPE 'A' BEAM
SCALE: 1½"=1'-0"



TYPE 'B' BEAM
SCALE: 1½"=1'-0"



TYPE 'C' BEAM
SCALE: 1½"=1'-0"

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

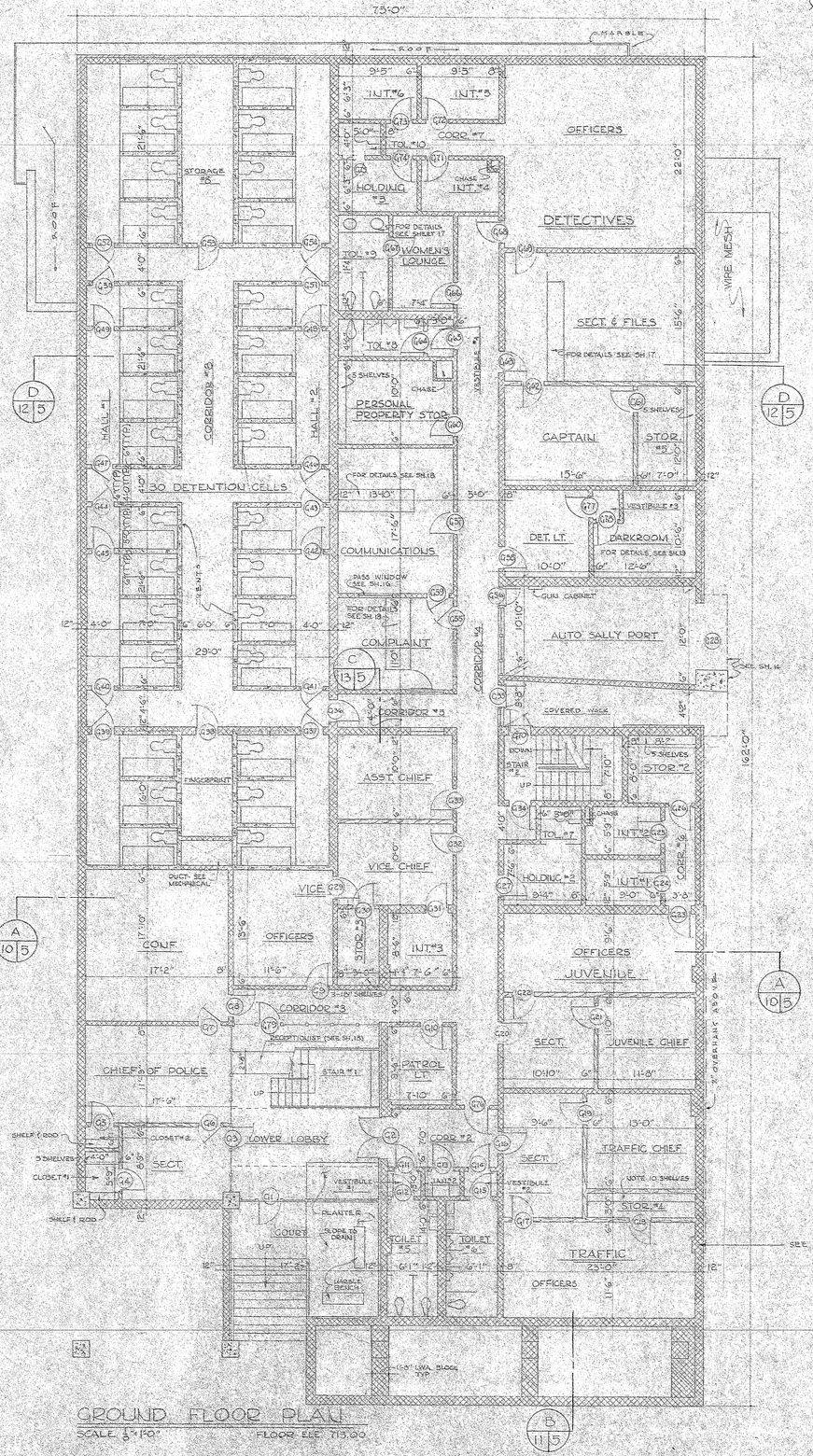
ROBERT H. HINNANT
PROFESSIONAL ENGINEER
CERTIFICATE No. 44
CERTIFIED PROFESSIONAL ENGINEER

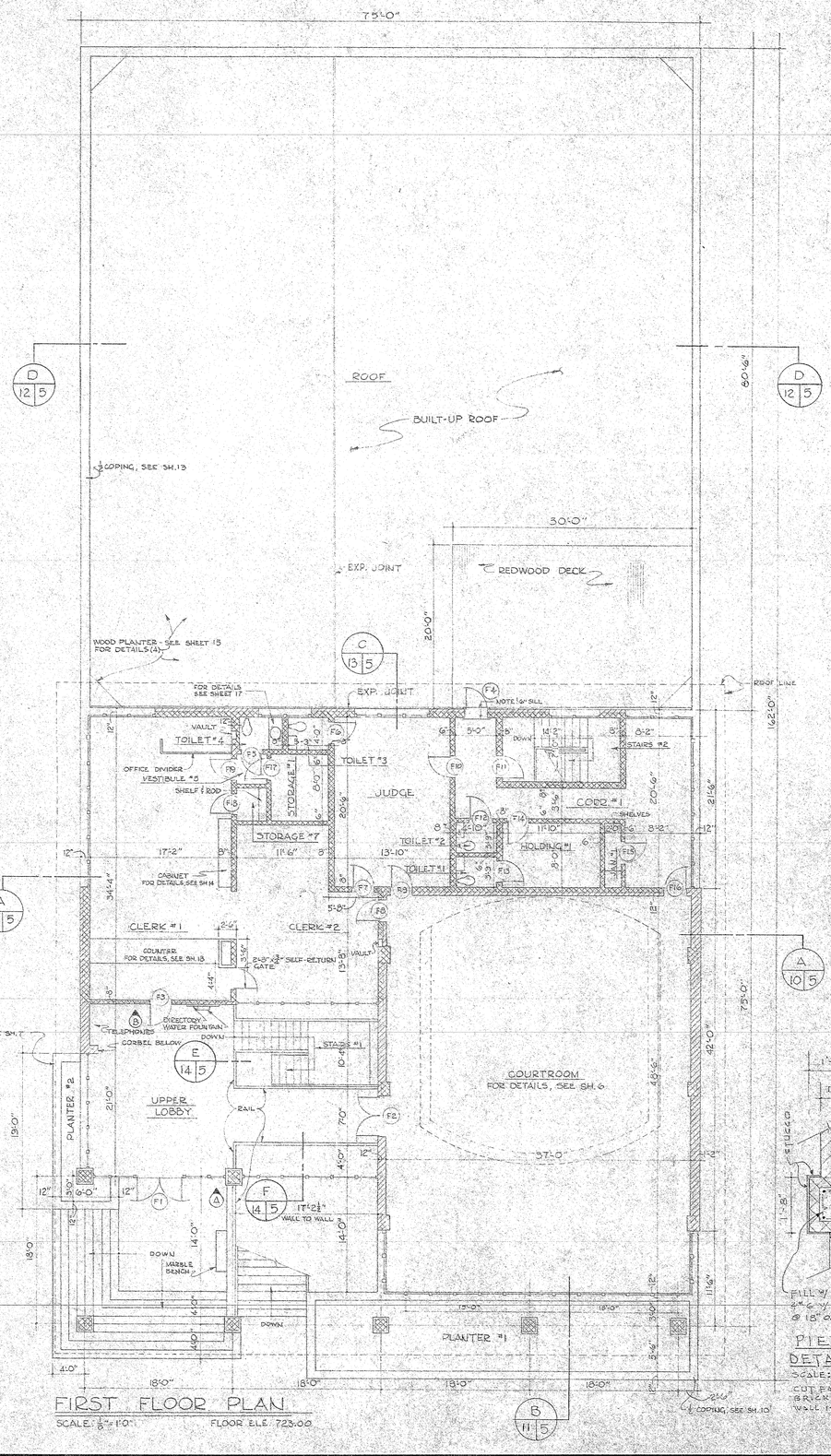
Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

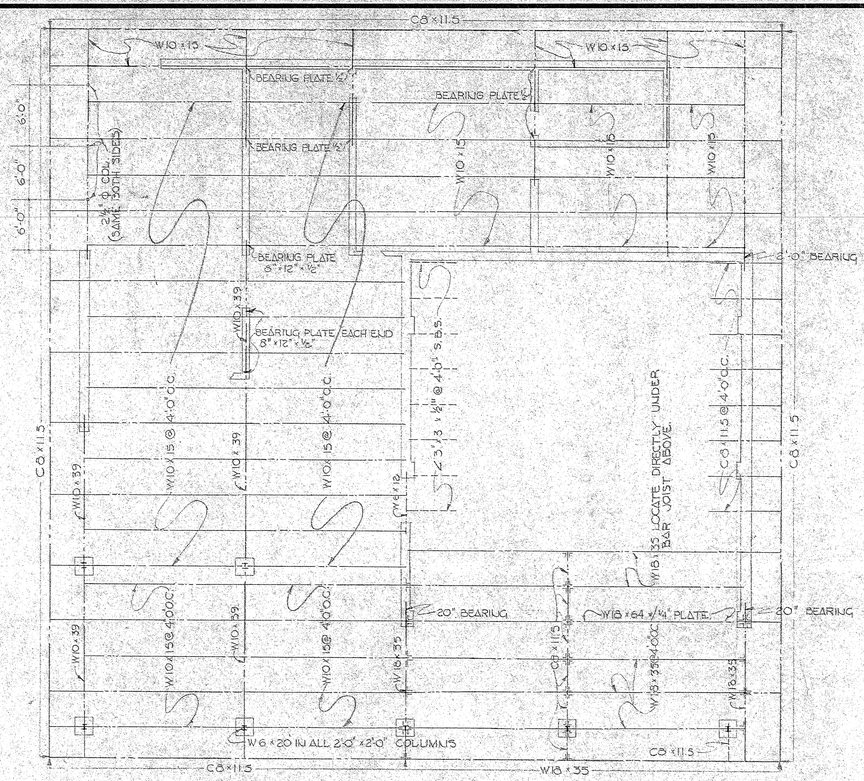
COMM NO	DRAWN BY	DATE	DRW'G.
6905	TRB	12-1-70	3 OF 23

REVISIONS

BROWNING 40105 11017


75'-0"
MARBLE
ROOF
INT. #6
INT. #5
OFFICERS
CORR. #7
TOL. #10
HOLDING #3
CHASE INT. #4
DETECTIVES
FOR DETAILS SEE SHEET 17
TOL. #9
WOMEN'S LOUNGE
WIRE MESH
SECT. & FILES
FOR DETAILS SEE SH. 17
TOL. #8
5 SHELVES
CHASE
PERSONAL PROPERTY STOR.
VESTIBULE #4
CAPTAIN
STOR. #5
5 SHELVES
FOR DETAILS SEE SH. 18
VESTIBULE #3
DET. LT.
DARKROOM
FOR DETAILS SEE SH. 19
GUN CABINET
COMMUNICATIONS
PASS WINDOW SEE SH. 19
FOR DETAILS SEE SH. 18
COMPLAINT
AUTO SALLY PORT
SEE SH. 11
COVERED WALK
DOWN
STAIR #2
UP
STOR. #2
5 SHELVES
CHASE
TOL. #7
INT. #2
INT. #1
CORR. #6
HOLDING #2
HOLDING #1
ASST. CHIEF
VICE CHIEF
VICE CHIEF
OFFICERS
STOR. #3
IJT. #3
CONF.
OFFICERS
JUVENILE
CORRIDOR #3
RECEPTIONIST (SEE SH. 15)
CHIEF of POLICE
STAIR #1
UP
PATROL LT.
SECT.
JUVENILE CHIEF
SECT.
TRAFFIC CHIEF
LOWER LOBBY
CLOSET #3
CLOSET #4
5 SHELVES
SHELF ROD
SECT.
VESTIBULE #1
PLANTER
SLOPE TO DRAIN
COURT
UP
LANDING
TOILET #5
TOILET #6
MARBLE BENCH
TRAFFIC
OFFICERS
SEE PIER DETAIL SH. #5
30 DETENTION CELLS
HALL #1
HALL #2
CORRIDOR #2
CORRIDOR #4
STORAGE #8
FINGERPRINT
DUCT SEE MECHANICAL
STORAGE #6
6'-0" R.
22'-10"
9'-5"
9'-5"
6'-3"
5'-0"
10'-0"
21'-6"
4'-0"
6'-0"
21'-6"
6'-0"
21'-6"
6'-0"
12'-0"
4'-0"
7'-3"
6'-0"
6'-0"
7'-0"
4'-0"
29'-0"
12'-0"
12'-4½"
6'-0"
10'-0"
17'-6"
10'-0"
10'-10"
12'-6"
10'-10½"
12'-0"
4'-0"
9'-6"
4'-2"
7'-10"
4'-0"
9'-6"
9'-6"
9'-6"
15'-6"
7'-0"
12"
5'-0"
10'
6'
6'
6

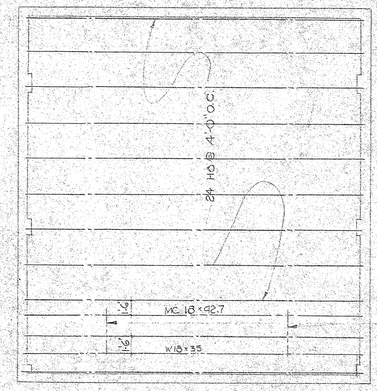




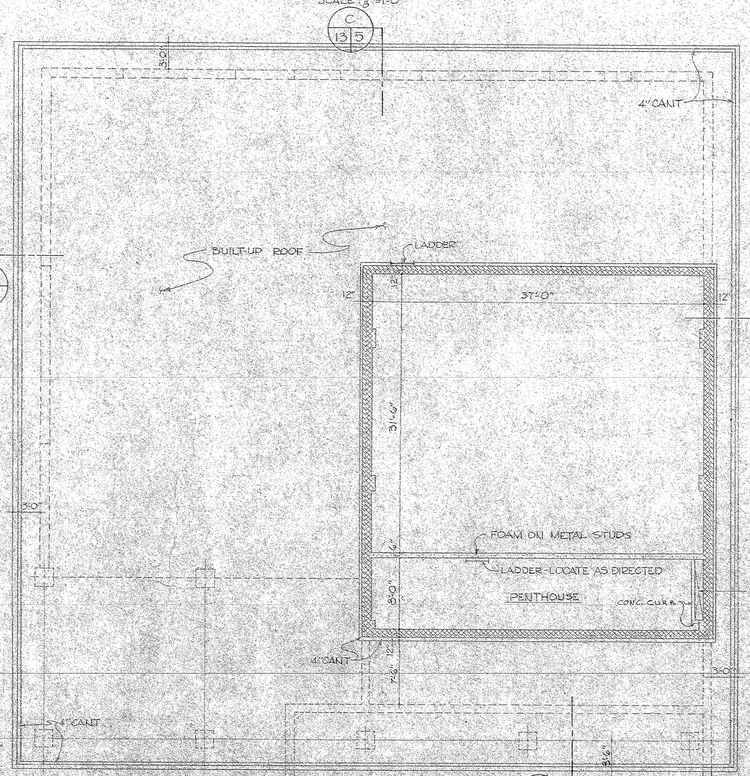
LOW ROOF - STRUCTURAL
SCALE: 1/8"=1'-0"

STRUCTURAL NOTES:
- BAR JOIST
- STEEL CHANNEL
- STEEL BEAM
- STEEL ANGLE
- ○ 3½" ø STEEL COLUMN
- ⊥ BUTT EVEN
- MASONRY LINTEL (SPECIAL CONDITION)

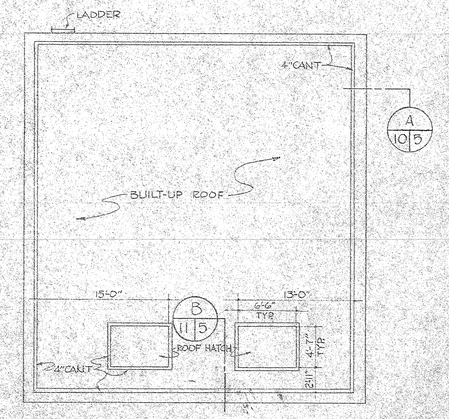
NOTE: DOUBLE BAR JOIST OVER FOLDING PARTITION & UNDER WALLS ABOVE.
IF STEEL MUST SLICED SPLICE AT FIFTH (⅕) POINT (MIN.)
FIRST JOIST LOCATED APPROX. 4" OFF FACE OF WALL.



HIGH ROOF - STRUCTURAL
SCALE: 1/8"=1'-0"



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



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

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

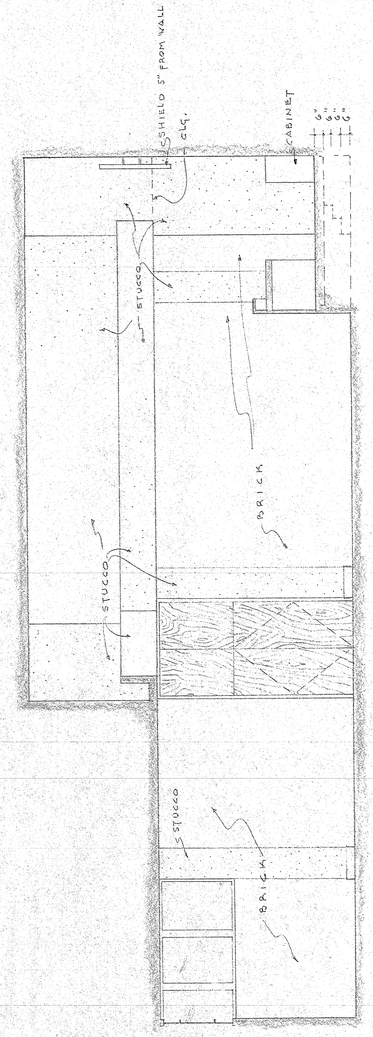
COMMONWEALTH OF VIRGINIA — ROBERT H. HINNANT — PROFESSIONAL ENGINEER — CERTIFICATE No. 44 — CERTIFIED PROFESSIONAL ENGINEER

Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

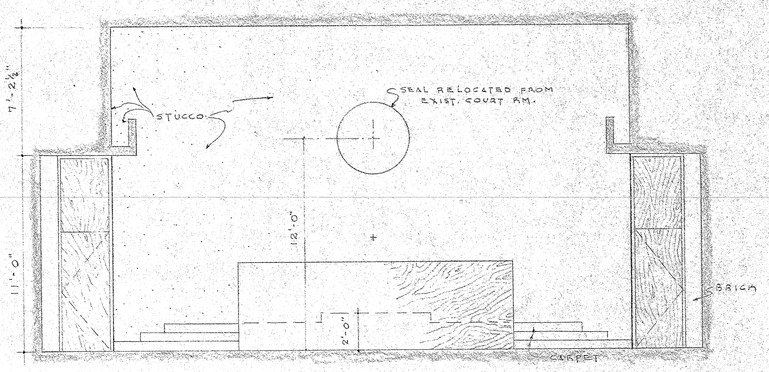
COMM. NO	DRAWN BY	DATE	DRW'G.
6905	TEL & TRB	12-1-70	5 OF 39

REVISIONS

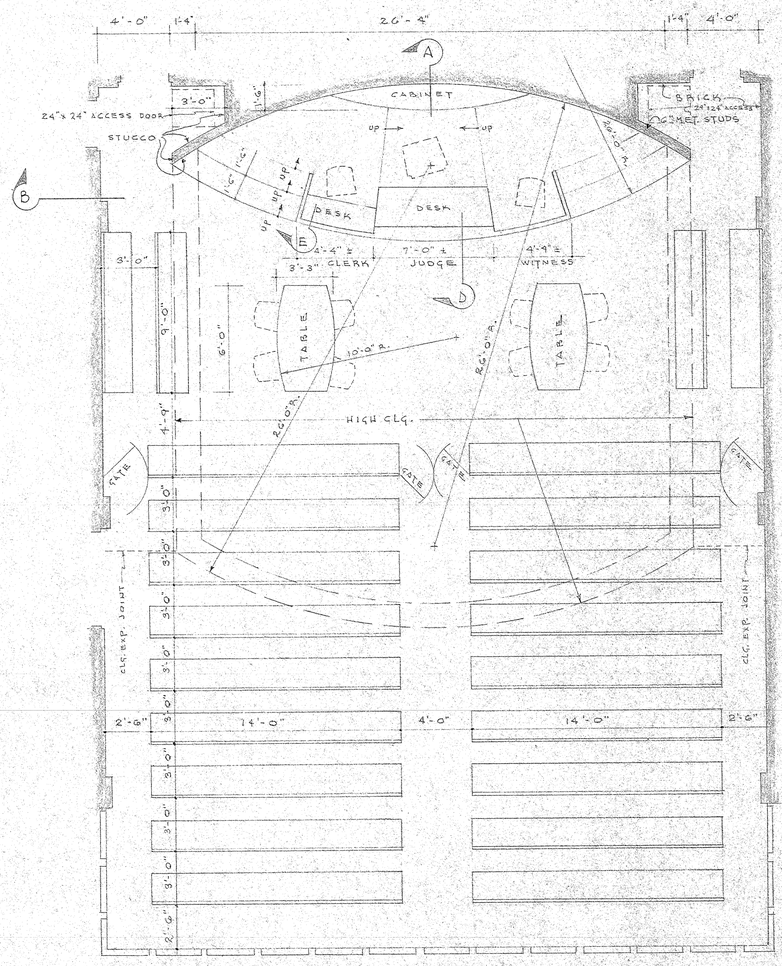
BRUNING 40-105 11017



SECTION "A"
(OPPOSITE SIDE SIMILAR)

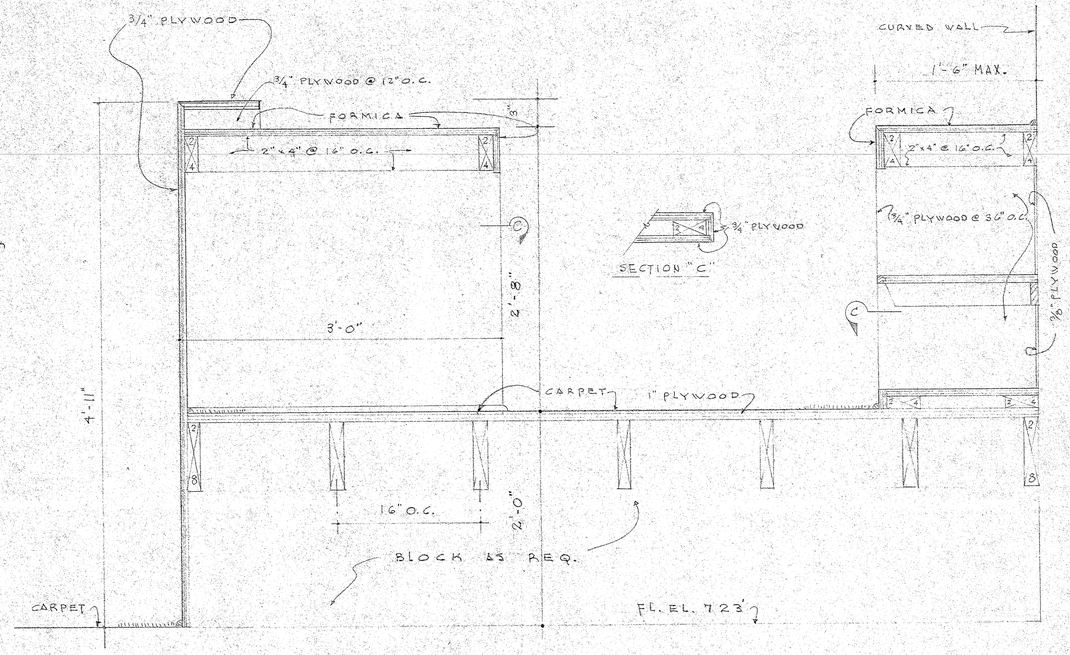


SECTION "B"

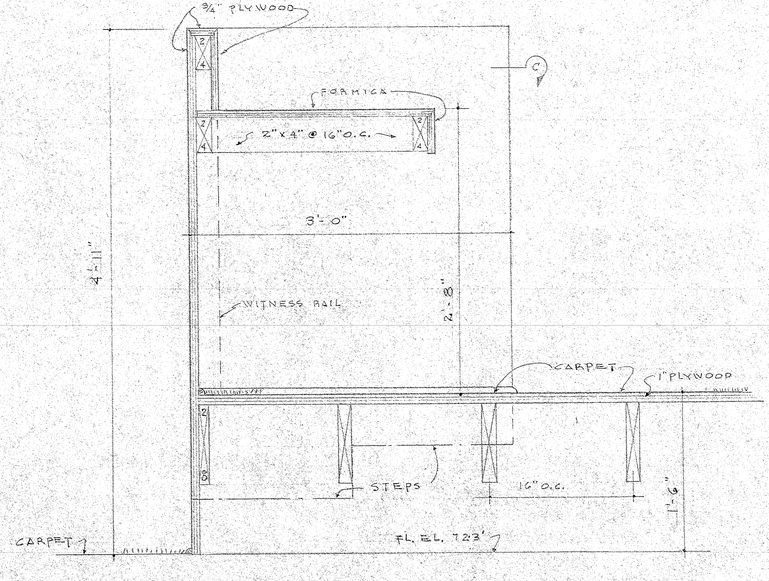


COURTROOM PLAN
SCALE ¼"=1'-0"

NOTES:
TABLES (2) TO BE "PARSONS" TYPE OF ¾" PLYWOOD W/ 3" SQ. LEGS
GATES TO BE 1¾" THICK "SLAB" DESIGN
PEW BODY NO. 32 , ENDS #701, NYLON FABRIC SEAT & BACK
CHAIRS N.I.C.



SECTION "D"
SCALE: 1½"=1'-0"



SECTION "E"
SCALE: 1½"=1'-0"
(WITNESS SIMILAR)

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA
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CERTIFICATE No. 1149
CERTIFIED ARCHITECT

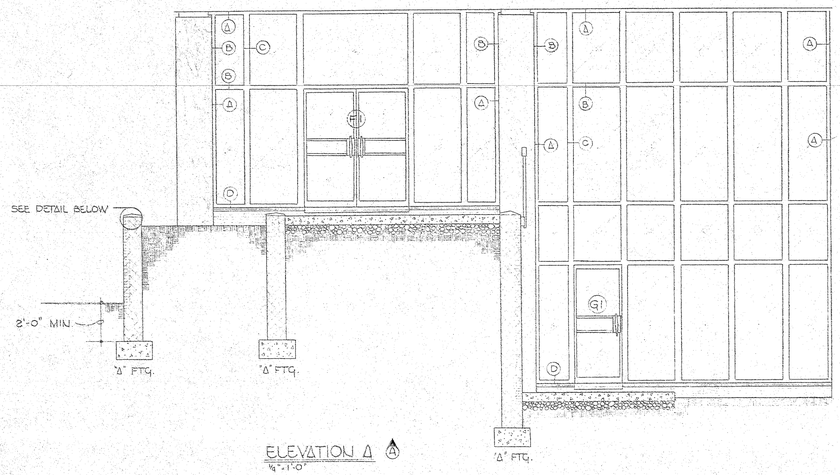
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ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G.
6905	B.J.A.	12-1-70	6 OF 39

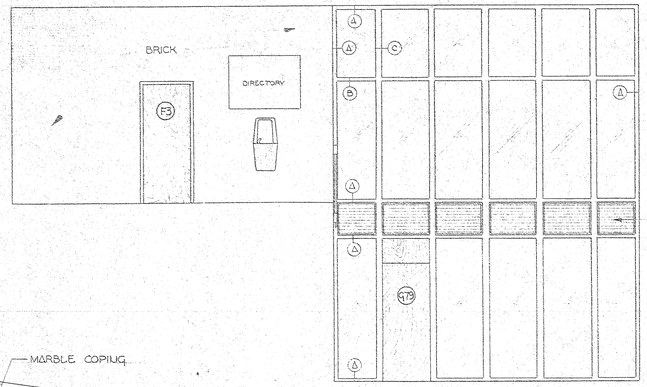
REVISIONS

BRUNING 40-105 1017

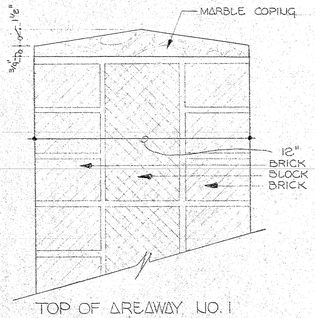


ELEVATION A
1/8" = 1'-0"

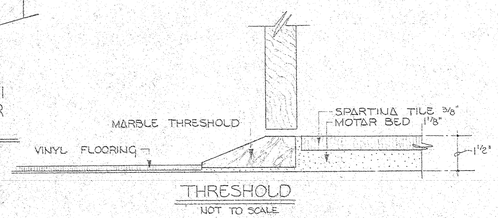
NOTES
DOORS F1 & G1 ARE 'STYLE LEADER' 125 WITH
69-148 FILLERS
A - 60-101
B - 60-104
C - 60-132
D - 60-145 WITH 60-108 BEVEL STOP
(KAWNEER NUMBERS)
DOOR G79 TO HAVE 69-148 FILLER.
VERTICAL BS NOT TO HAVE
STEEL REINFORCING.



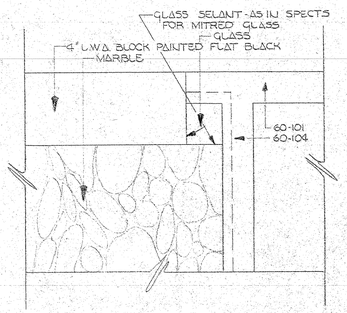
ELEVATION B
SCALE 1/8" = 1'-0"



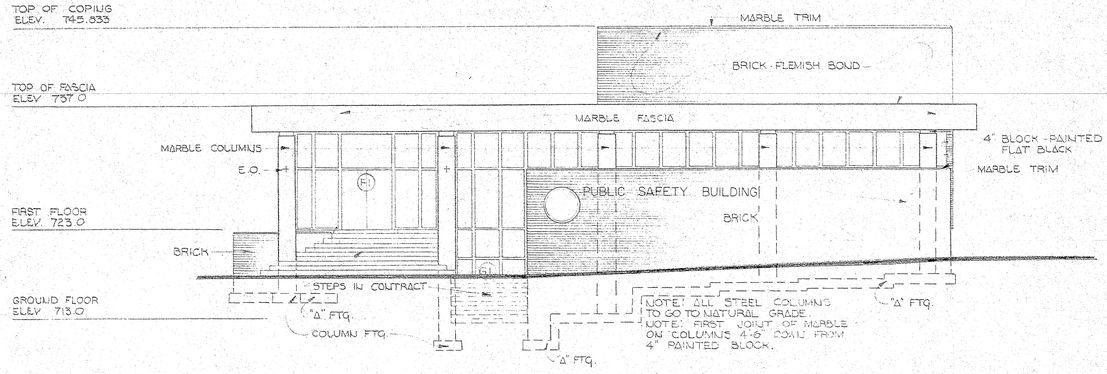
TOP OF AREAWAY NO. 1 PARAPET & PLANTER ABOVE.
3" = 1'-0"



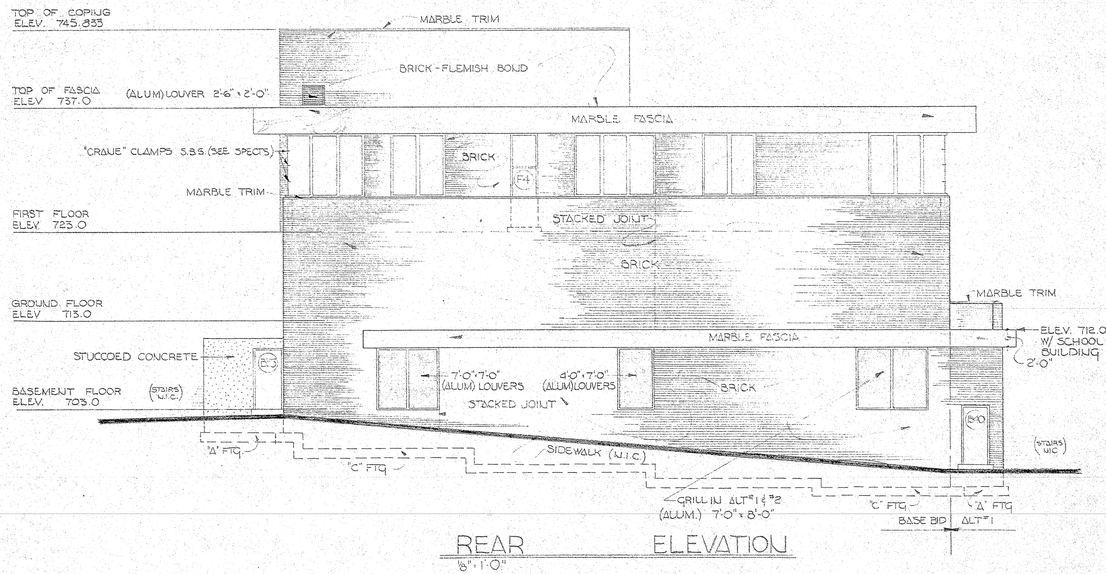
THRESHOLD
NOT TO SCALE



DETAIL WHERE WINDOW FRAMES MEETS COLUMNS
3" = 1'-0"



FRONT ELEVATION
1/8" = 1'-0"



REAR ELEVATION
1/8" = 1'-0"

NOTE: STEP FOOTINGS WHERE REQUIRED TO MEET 2'-0" MIN. REQUIREMENT

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

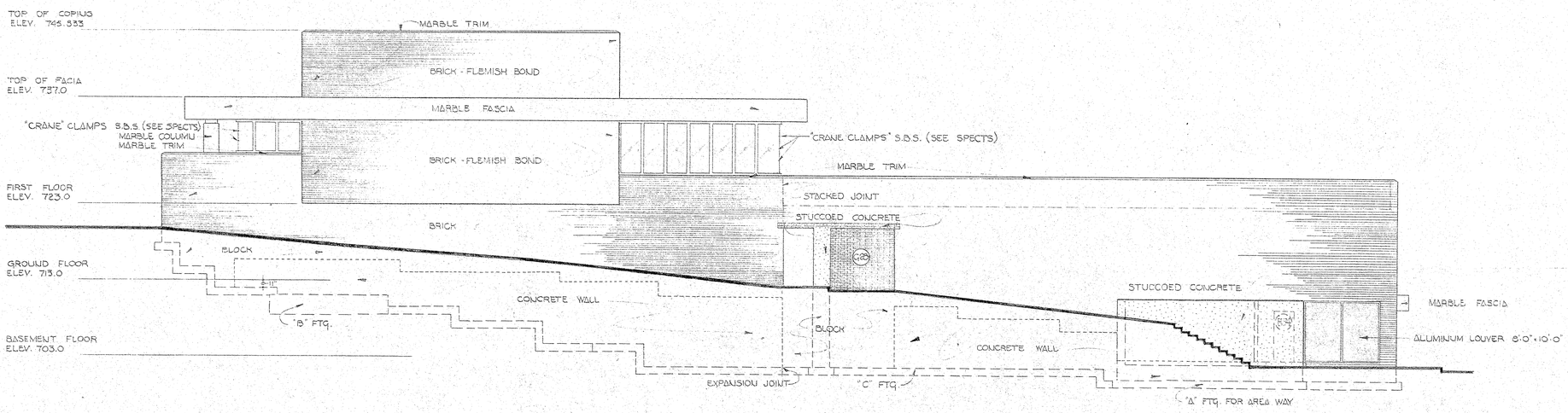
COMMONWEALTH OF VIRGINIA
ROBERT H. HINNANT
PROFESSIONAL ENGINEER
CERTIFICATE No. 44
CERTIFIED PROFESSIONAL ENGINEER

Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G.
6905	BRATTON	12-1-70	OF 39 7

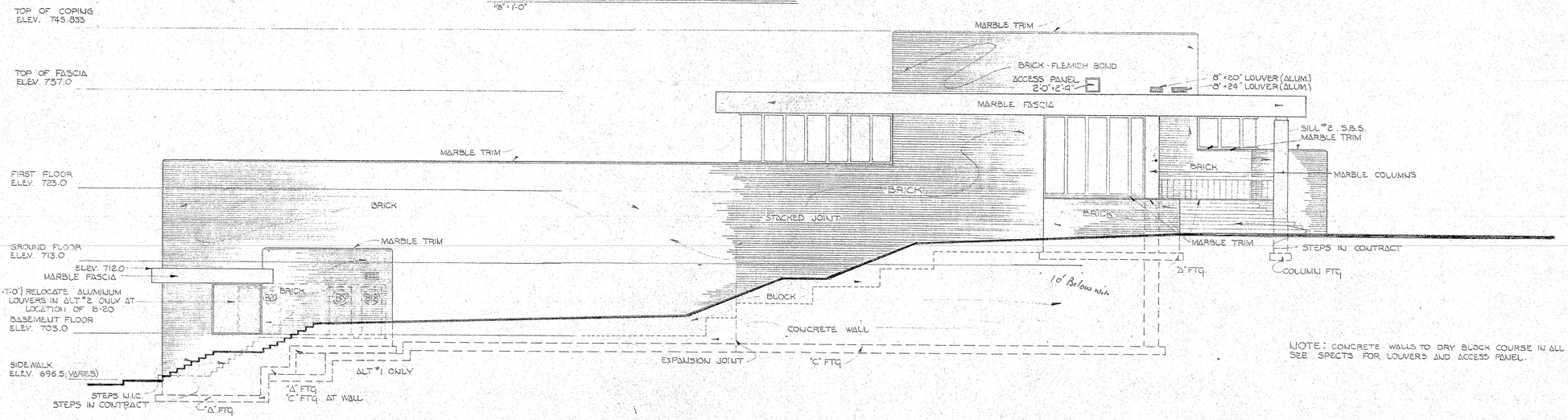
REVISIONS

BRUNING 40-105 11017



RIGHT SIDE ELEVATION

1/8"=1'-0"



NOTE: CONCRETE WALLS TO DRY BLOCK COURSE IN ALL CASES. SEE SPECTS FOR LOUVERS AND ACCESS PANEL.

LEFT SIDE ELEVATION

1/8"=1'-0"

BEGUNING 40.105 11017

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

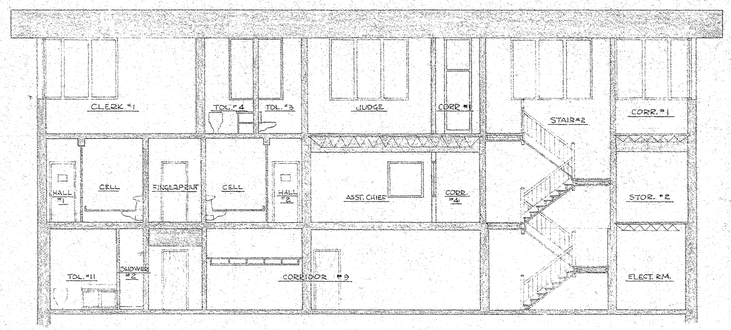
COMMONWEALTH OF VIRGINIA
ROBERT H. HINNANT
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CERTIFICATE No. 44
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1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G
6905	BRATTON	12-1-70	OF 39

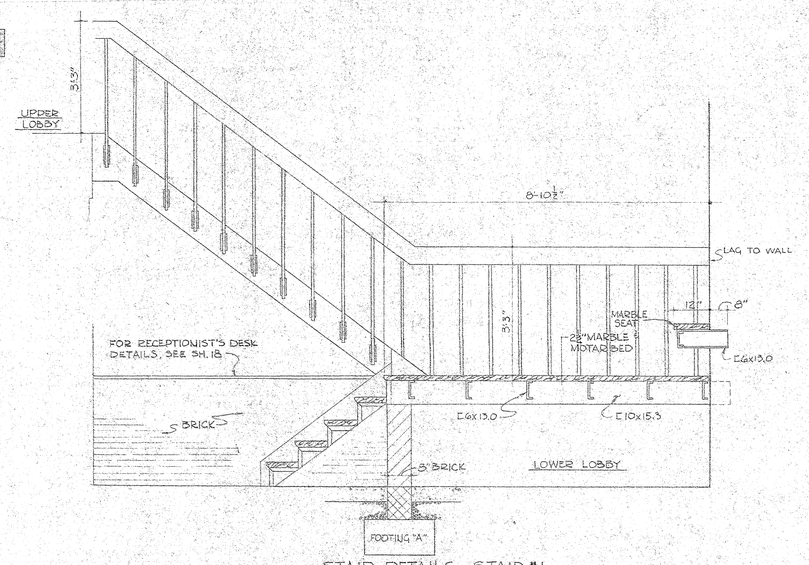
REVISIONS

8



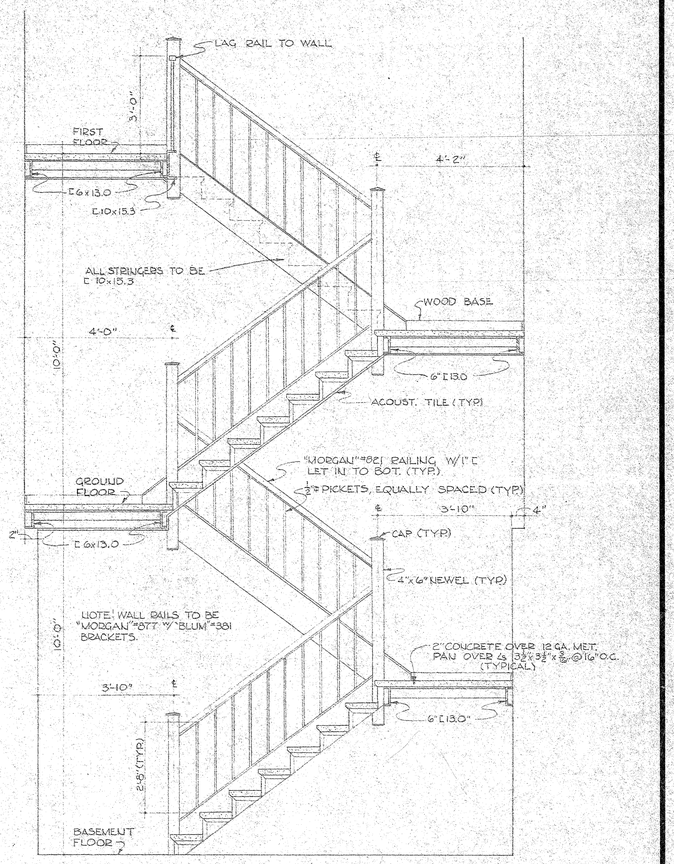
CROSS SECTION

SCALE $\frac{1}{8}$"=1'-0"



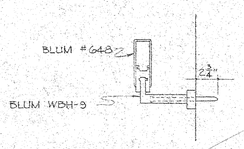
STAIR DETAILS- STAIR #1

SCALE: ½"=1'-0"



STAIR DETAILS – STAIR #2

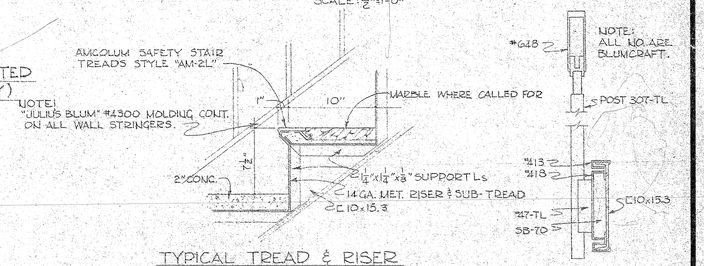
SCALE: ½"=1'-0"



TYPICAL WALL MOUNTED RAIL (EXTERIOR ONLY)

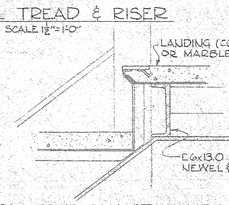
SCALE: ½"=1'-0"

NOTE: "JULIUS BLUM" #1300 MOLDING CONT. ON ALL WALL STRINGERS.



TYPICAL TREAD & RISER

SCALE 1½"=1'-0"

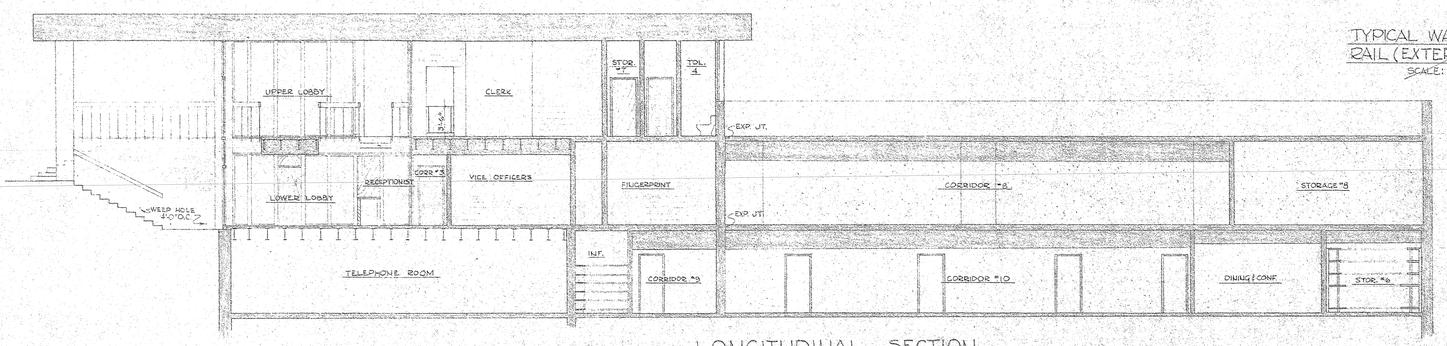


TYPICAL RAIL-STAIR #1

SCALE: 1½"=1'-0"

TYPICAL CONDITION AT LANDING

SCALE: 1½"=1'-0"



LONGITUDINAL SECTION

SCALE $\frac{1}{8}$"=1'-0"

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

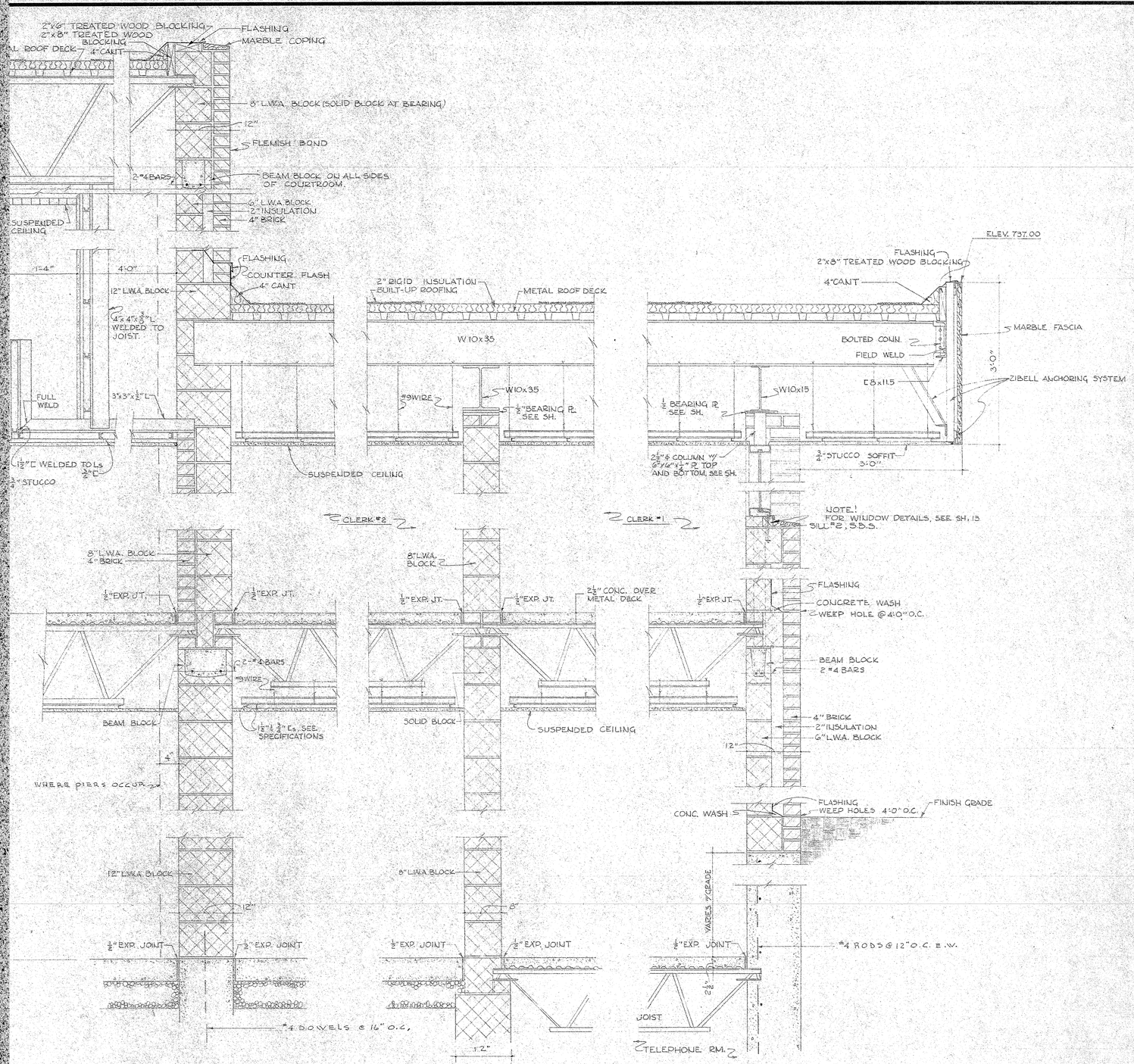
COMMONWEALTH OF VIRGINIA
ROBERT H. HINNANT
PROFESSIONAL ENGINEER
CERTIFICATE No. 44
CERTIFIED PROFESSIONAL ENGINEER

Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G.
6905	TEL	12-1-70	9 OF 39

REVISIONS

BRUNING 40-105 11017



A/10/5

SCALE 1"=1'-0"

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

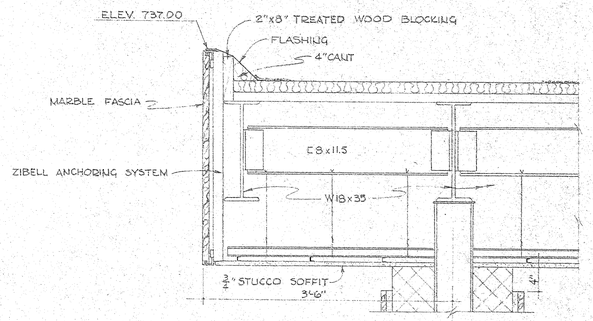
COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

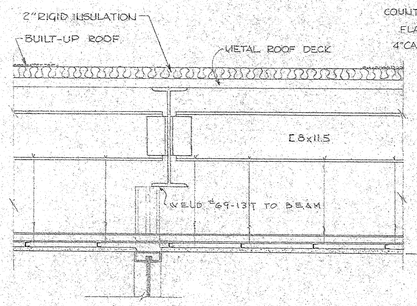
COMMONWEALTH OF VIRGINIA
ROBERT H. HINNANT
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CERTIFICATE No. 44
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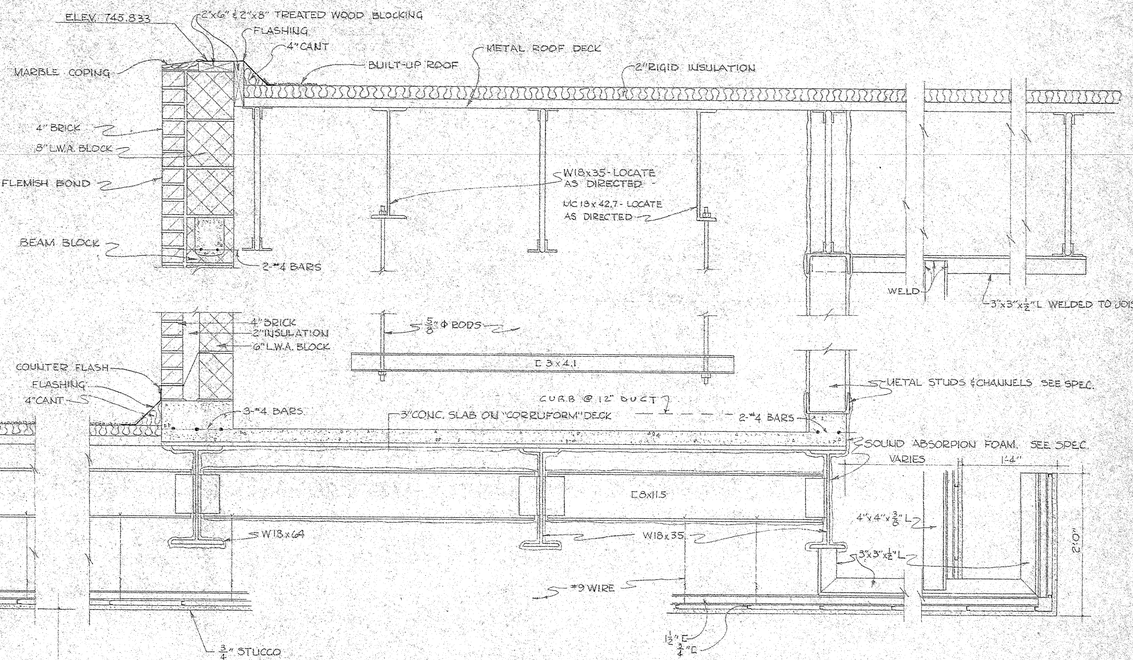
Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

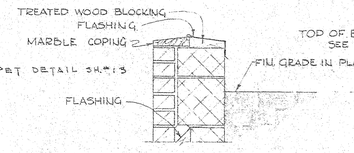
COMM NO	DRAWN BY	DATE	DRW'G.
6905	~~TEE~~	12-1-70	10 OF 39

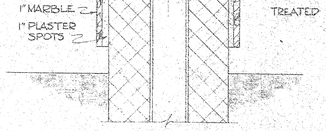
REVISIONS

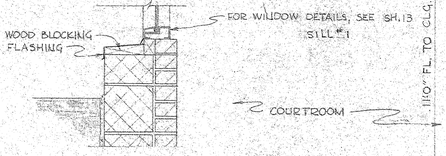


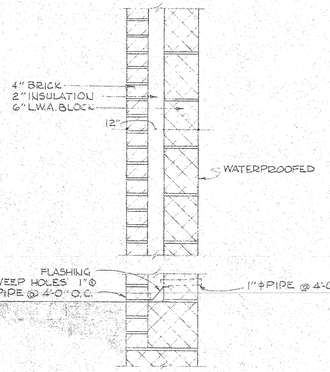


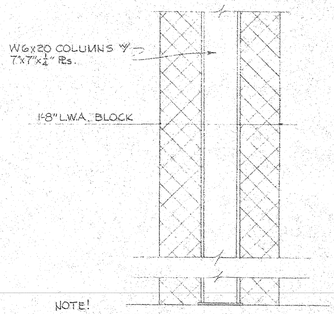


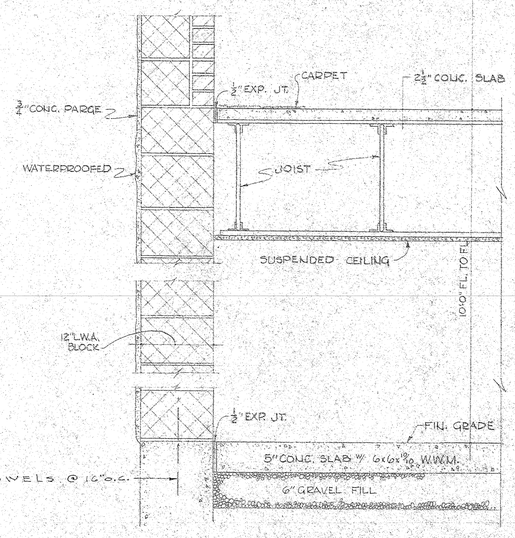












SECTION B 11/5

SCALE 1"=1'-0"

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

COMMONWEALTH OF VIRGINIA — ROBERT H. HINNANT — PROFESSIONAL ENGINEER — CERTIFICATE No. 44 — CERTIFIED PROFESSIONAL ENGINEER

Hinnant, Addison and Hinnant

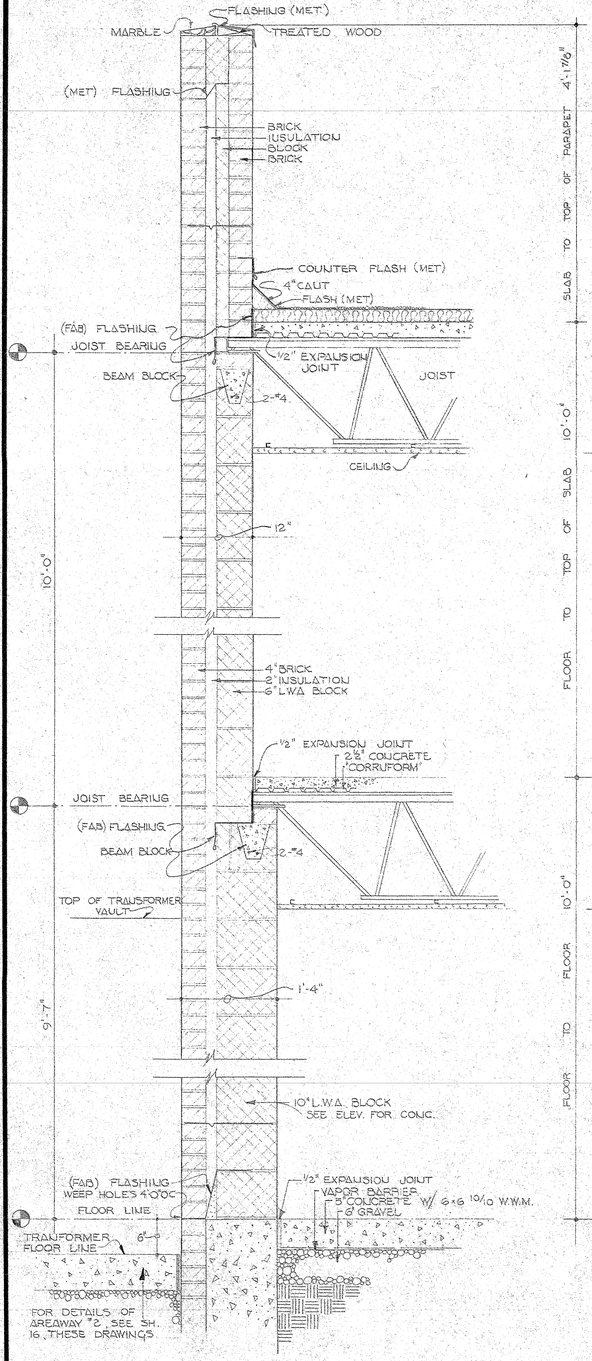
ARCHITECT AND ENGINEERS

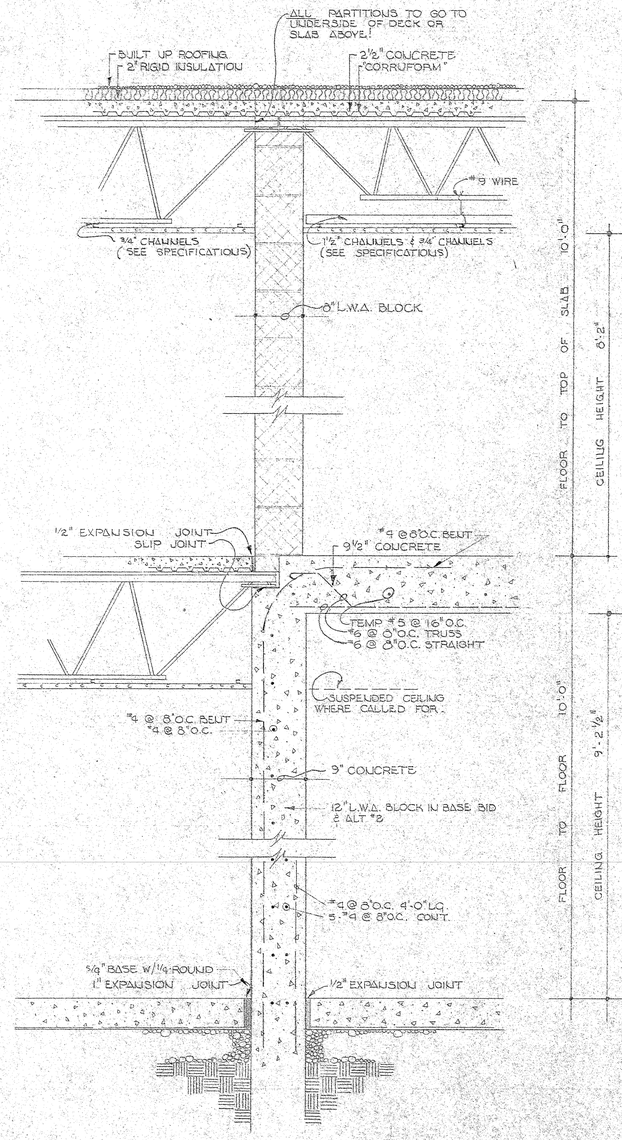
1022 COURT ST. LYNCHBURG, VIRGINIA

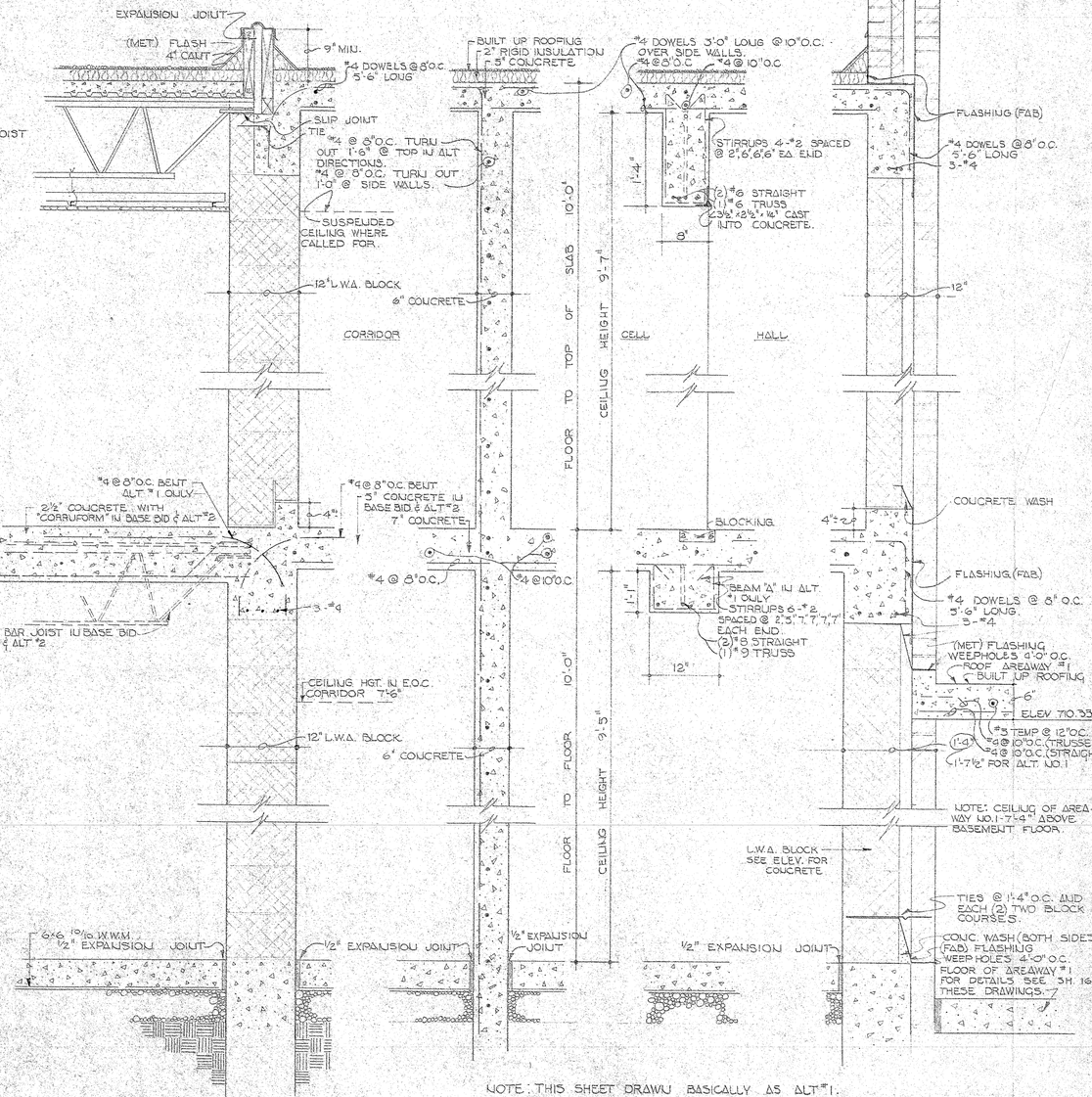
COMM NO	DRAWN BY	DATE	DRW'G
6905	TEL	12-1-70	11 OF 39

REVISIONS

BRUNING 40-105 11017







NOTE: THIS SHEET DRAWN BASICALLY AS ALT "1.

SECTION D 12 5

SCALE 1"-1'-0"

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

COMMONWEALTH OF VIRGINIA — ROBERT H. HINNANT — PROFESSIONAL ENGINEER — CERTIFICATE No. 44 — REGISTERED PROFESSIONAL ENGINEER

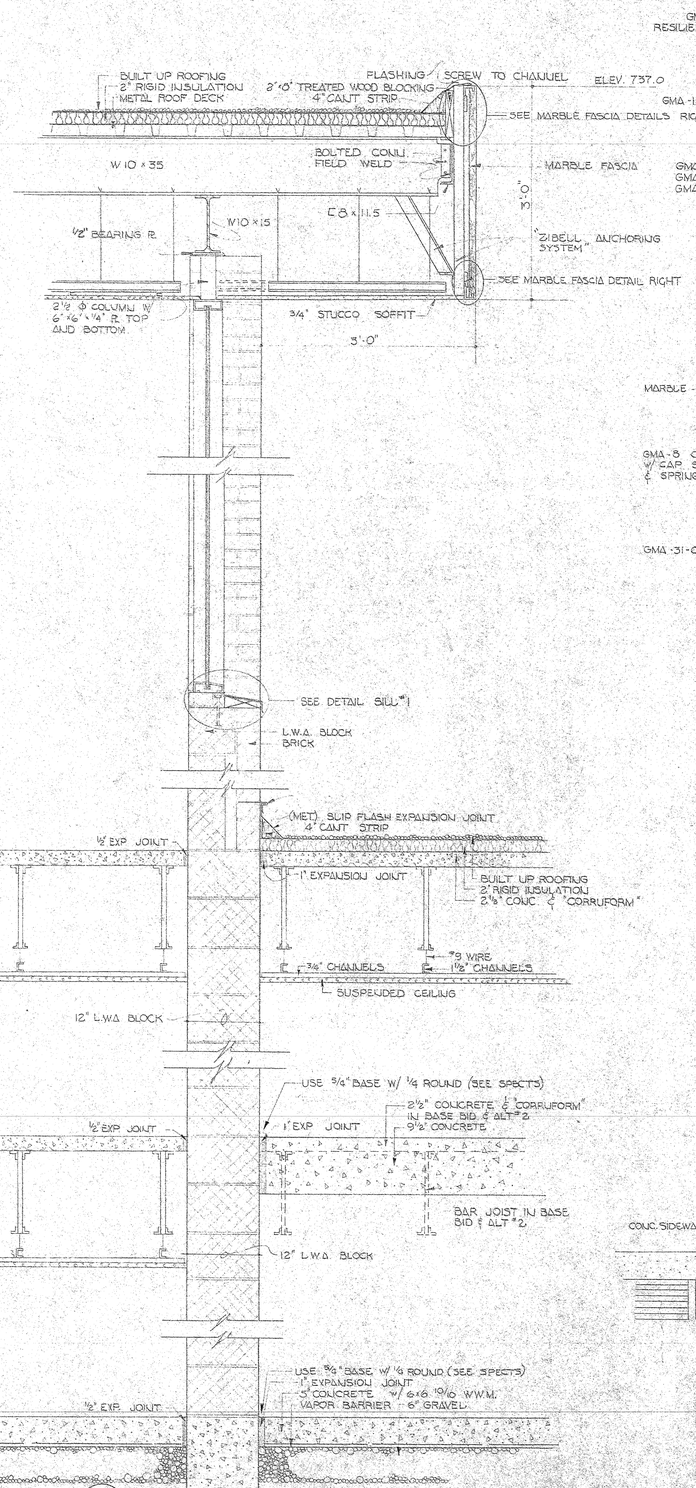
Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	RW'G.
6905	BRATTON	12-1-70	OF 59

REVISIONS

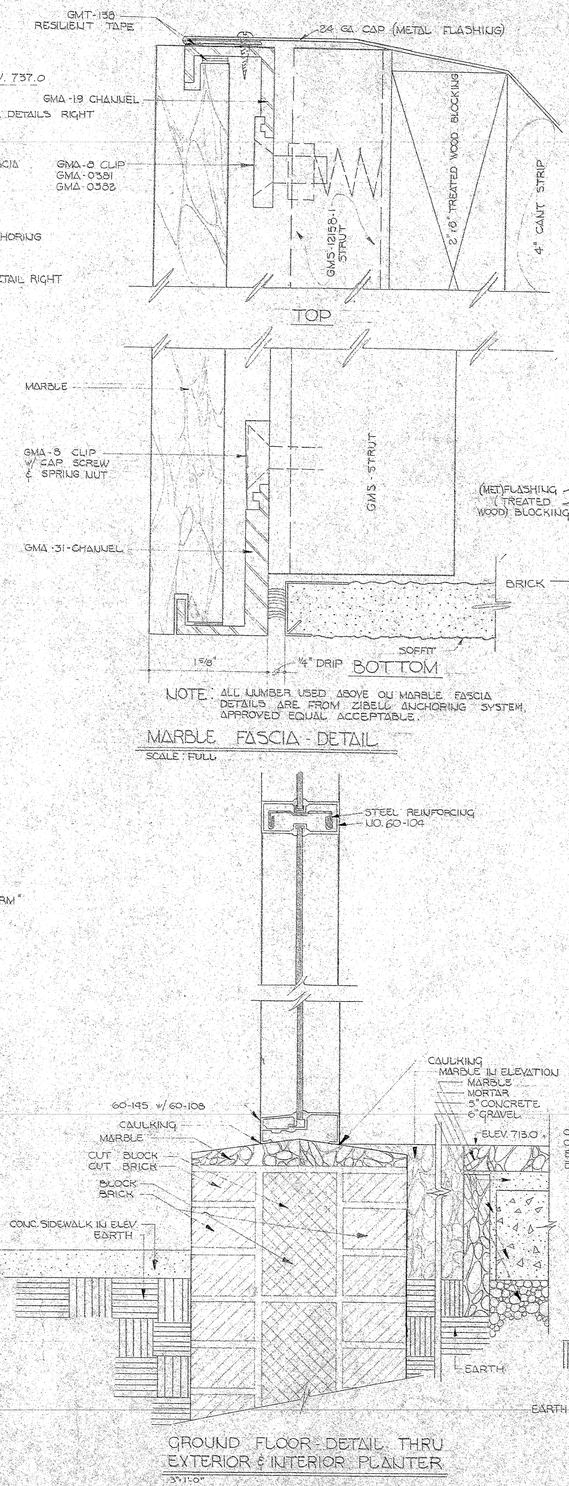
12

BRUNING 40-105 11017



SECTION C/13/5

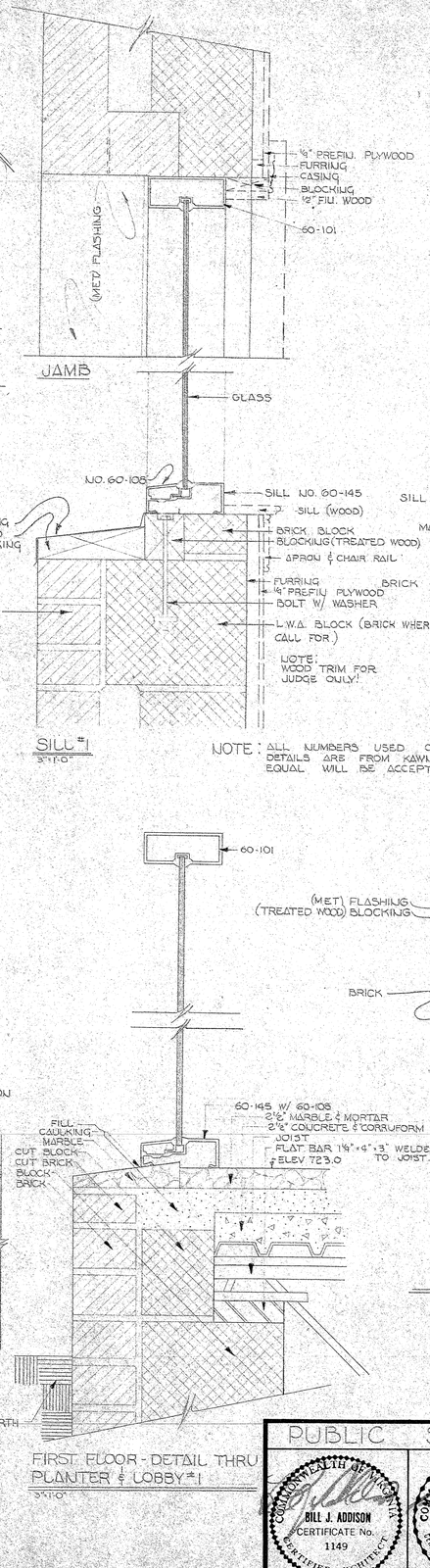
SCALE: 1" = 3'-0"



NOTE: ALL NUMBER USED ABOVE ON MARBLE FASCIA DETAILS ARE FROM ZIBELL ANCHORING SYSTEM. APPROVED EQUAL ACCEPTABLE.

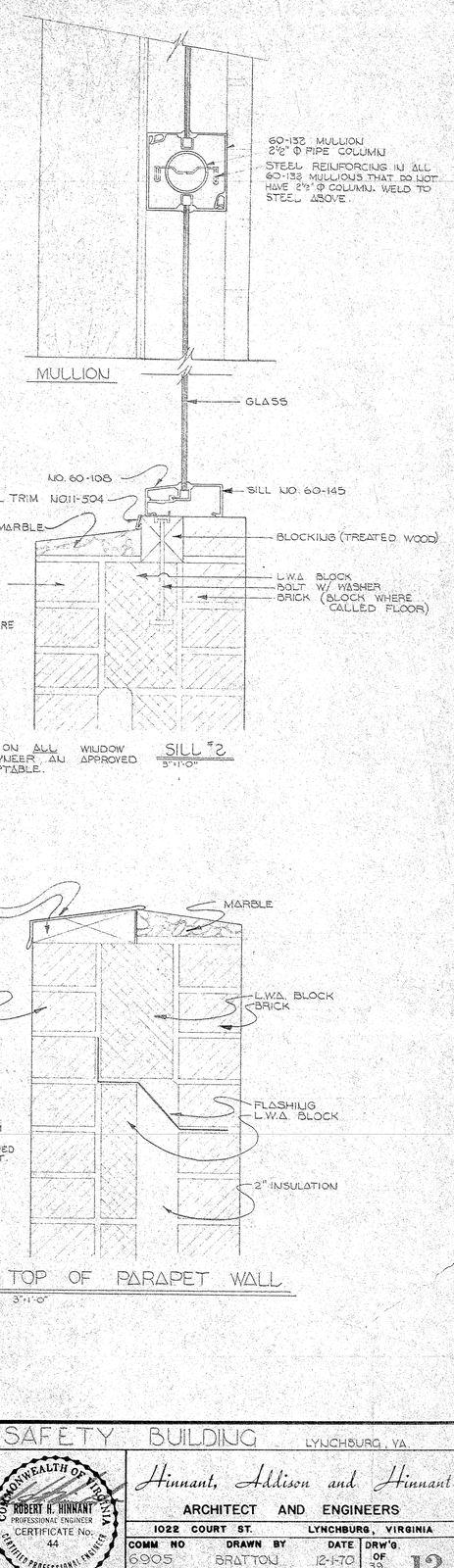
MARBLE FASCIA - DETAIL

SCALE: FULL



SILL #1

3"=1'-0"



NOTE: ALL NUMBERS USED ON ALL WINDOW DETAILS ARE FROM KAWNEER. AN APPROVED EQUAL WILL BE ACCEPTABLE.

SILL #2

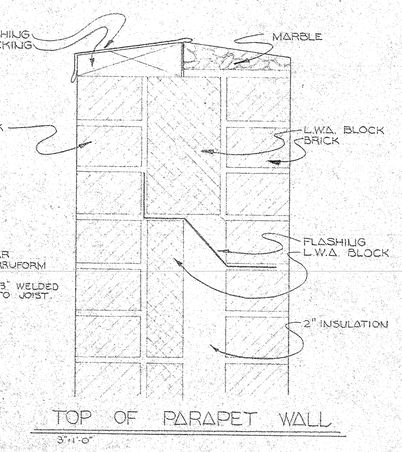
3"=1'-0"

GROUND FLOOR - DETAIL THRU EXTERIOR & INTERIOR PLANTER

3"=1'-0"

FIRST FLOOR - DETAIL THRU PLANTER & LOBBY #1

3"=1'-0"



TOP OF PARAPET WALL

3"=1'-0"

PUBLIC SAFETY BUILDING — LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

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Hinnant, Addison and Hinnant

ARCHITECT AND ENGINEERS

1022 COURT ST. LYNCHBURG, VIRGINIA

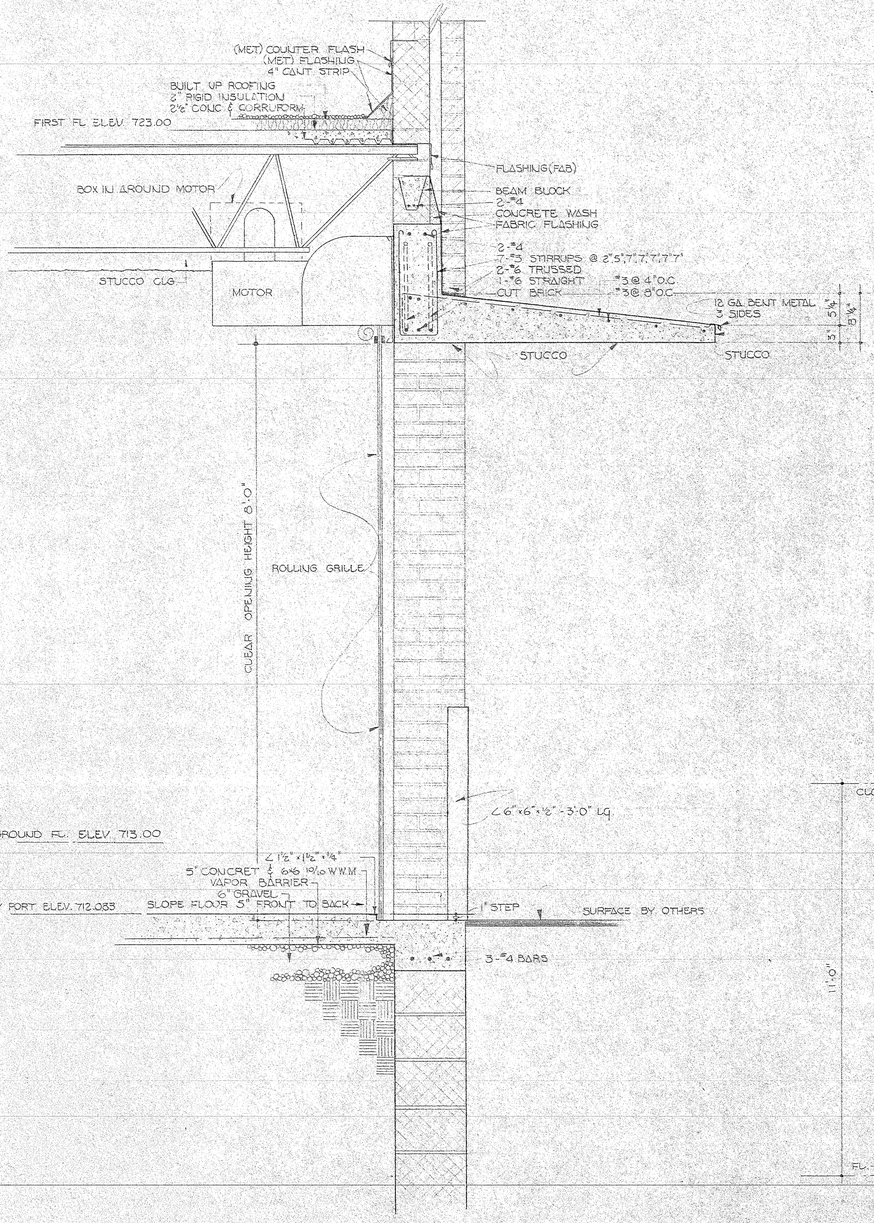
COMM NO	DRAWN BY	DATE	DRW'G.
6905	BRATTON	12-1-70	13

REVISIONS

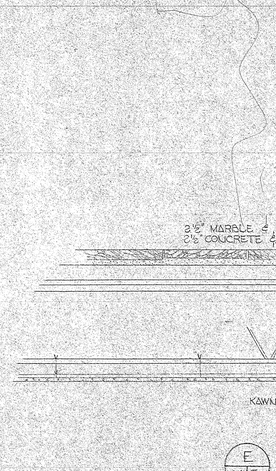
OF 39

BRUNING 40-105 11017

FOR PARAPET TOP SEE SH.12 & SH.13

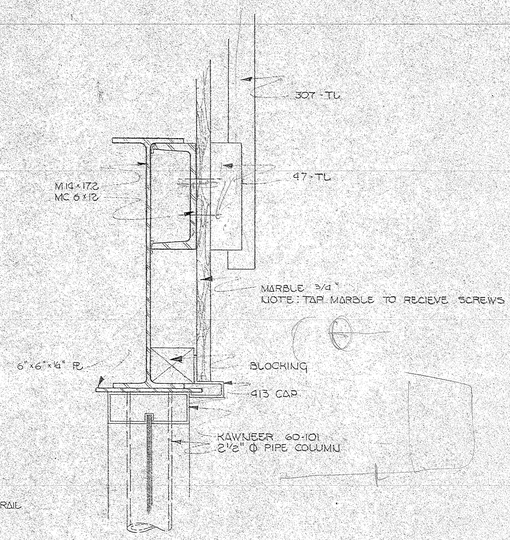


SECTION - SALLY PORT
1"=1'-0"

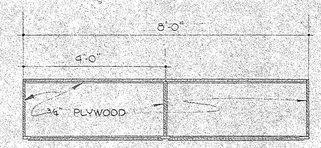


SECTION E/14|5
SCALE 1"=1'-0"

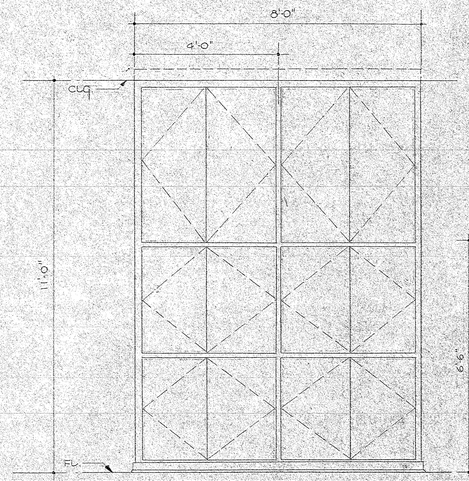
NOTE: ALL NUMBERS USED ON THESE RAIL DETAILS ARE FROM BOUMCRAFT. APPROVED EQUAL ACCEPTABLE.



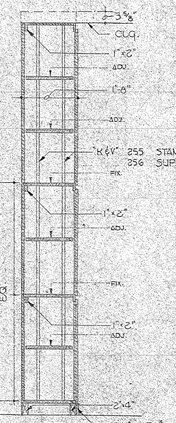
DETAIL
3"=1'-0"



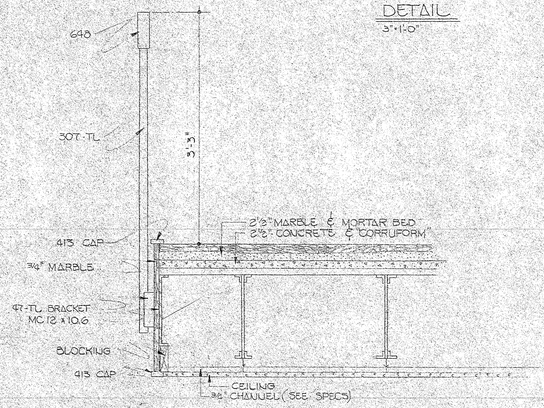
PLAN
3"=1'-0"



ELEVATION
3"=1'-0"



SECTION
½"=1'-0"



SECTION F/14|5
SCALE 1"=1'-0"

NOTE: ALL EXPOSED PLYWOOD EDGES TO HAVE HARDWOOD EDGES GLUED AND BRADDED. CONSTRUCTION DETAILS SIMULAR TO THOSE DETAILS ON SHEETS 17 & 18.

WALL CABINET FOR CLERK NUMBER 1

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
REGISTERED ARCHITECT

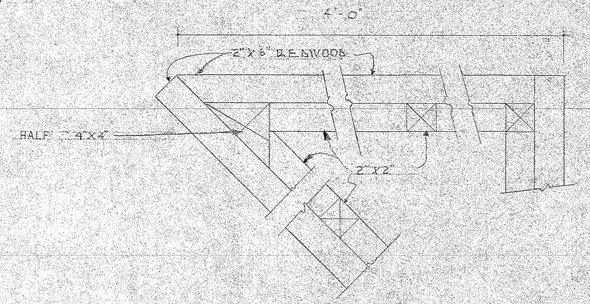
COMMONWEALTH OF VIRGINIA
ROBERT H. HINNANT
PROFESSIONAL ENGINEER
CERTIFICATE No. 44
CERTIFIED PROFESSIONAL ENGINEER

Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G.
6905	BRATTON		14 OF 39

REVISIONS

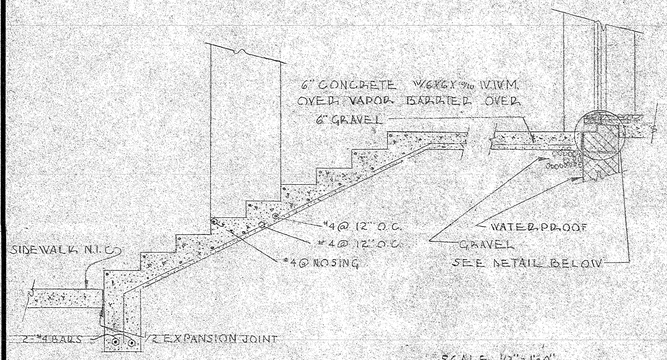
BRUNING 46-105 11017



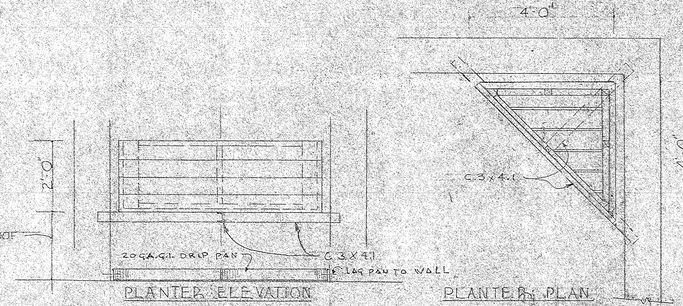
PLANTER DETAILS
SCALE 3"=1'0



REDWOOD DECK DETAIL
SCALE : 3" = 1'-0"
SEE SH.#5

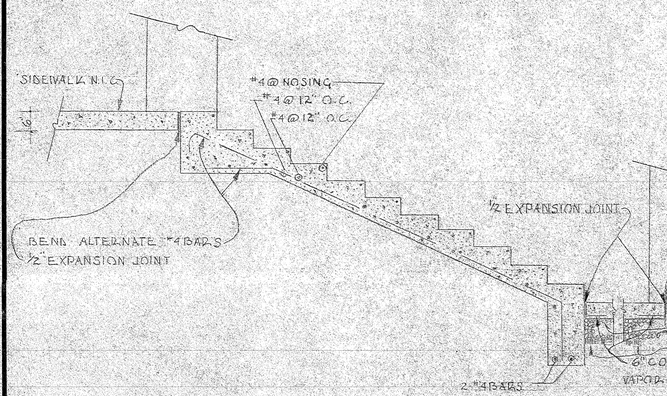


SCALE 1/2"=1'-0"

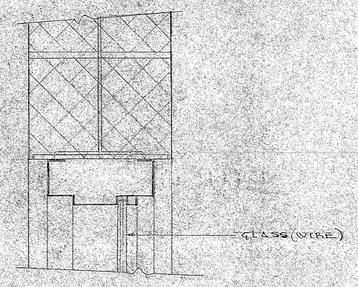


PLANTER ELEVATION

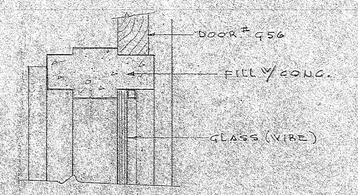
PLANTER PLAN
SCALE 1/2"=1'0



SCALE 1/2"=1'-0"

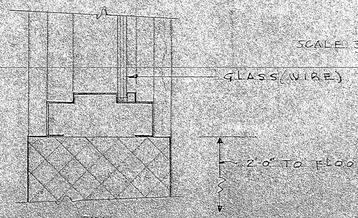


HEAD

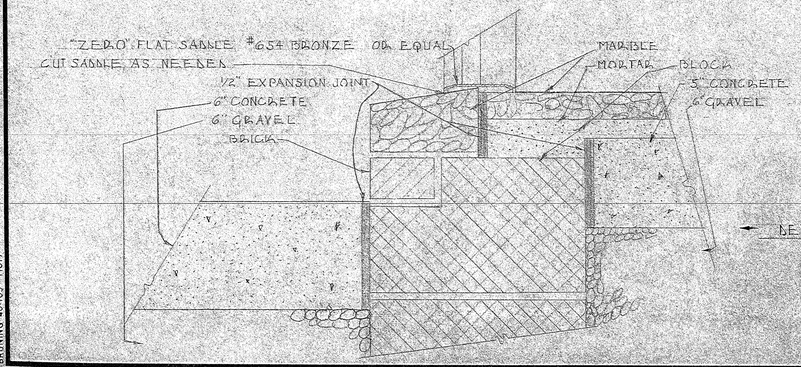


JAMB

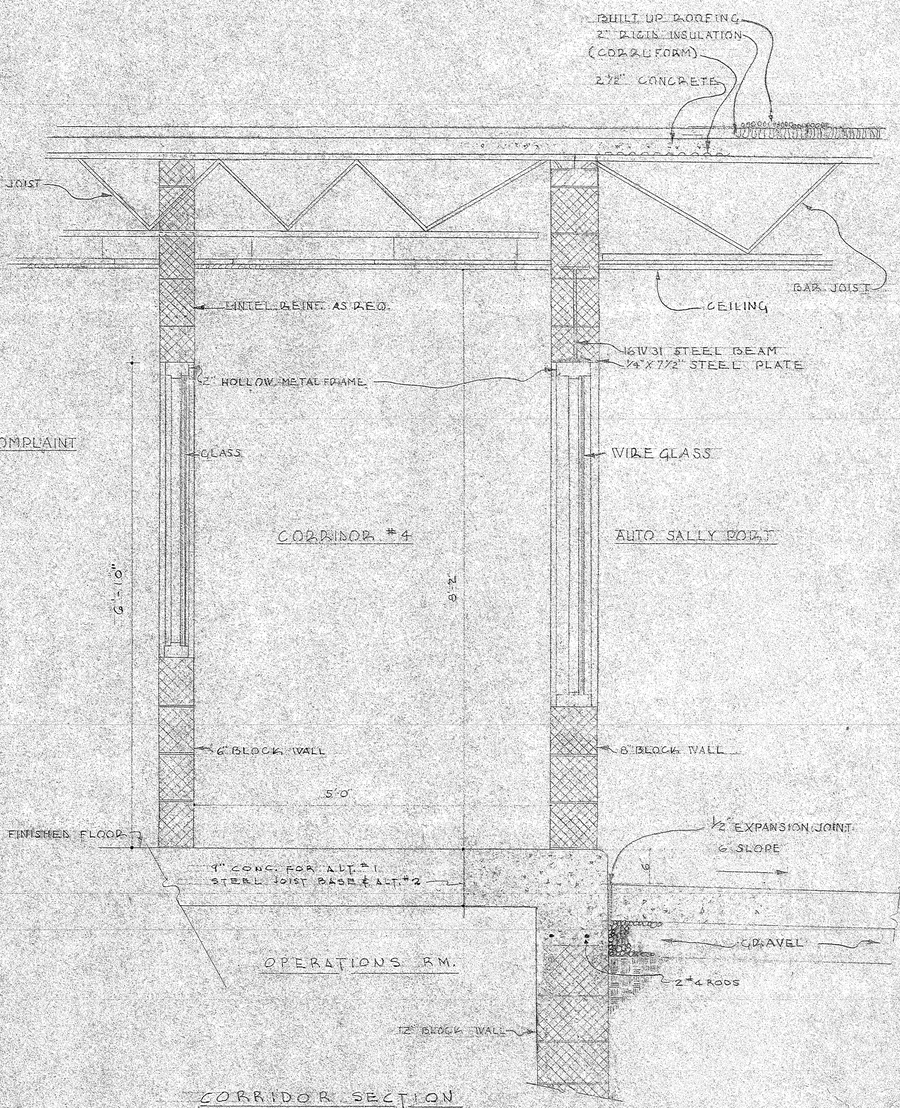
WINDOW DETAILS



SILL



DETAIL OF SILL @ DOORS #1 & #1
SCALE 3"=1'-0"



CORRIDOR SECTION
SCALE 1"=1'0"

PUBLIC SAFETY BUILDING LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

COMMONWEALTH OF VIRGINIA
ROBERT H. HINNANT
PROFESSIONAL ENGINEER
CERTIFICATE No. 44
LICENSED PROFESSIONAL ENGINEER

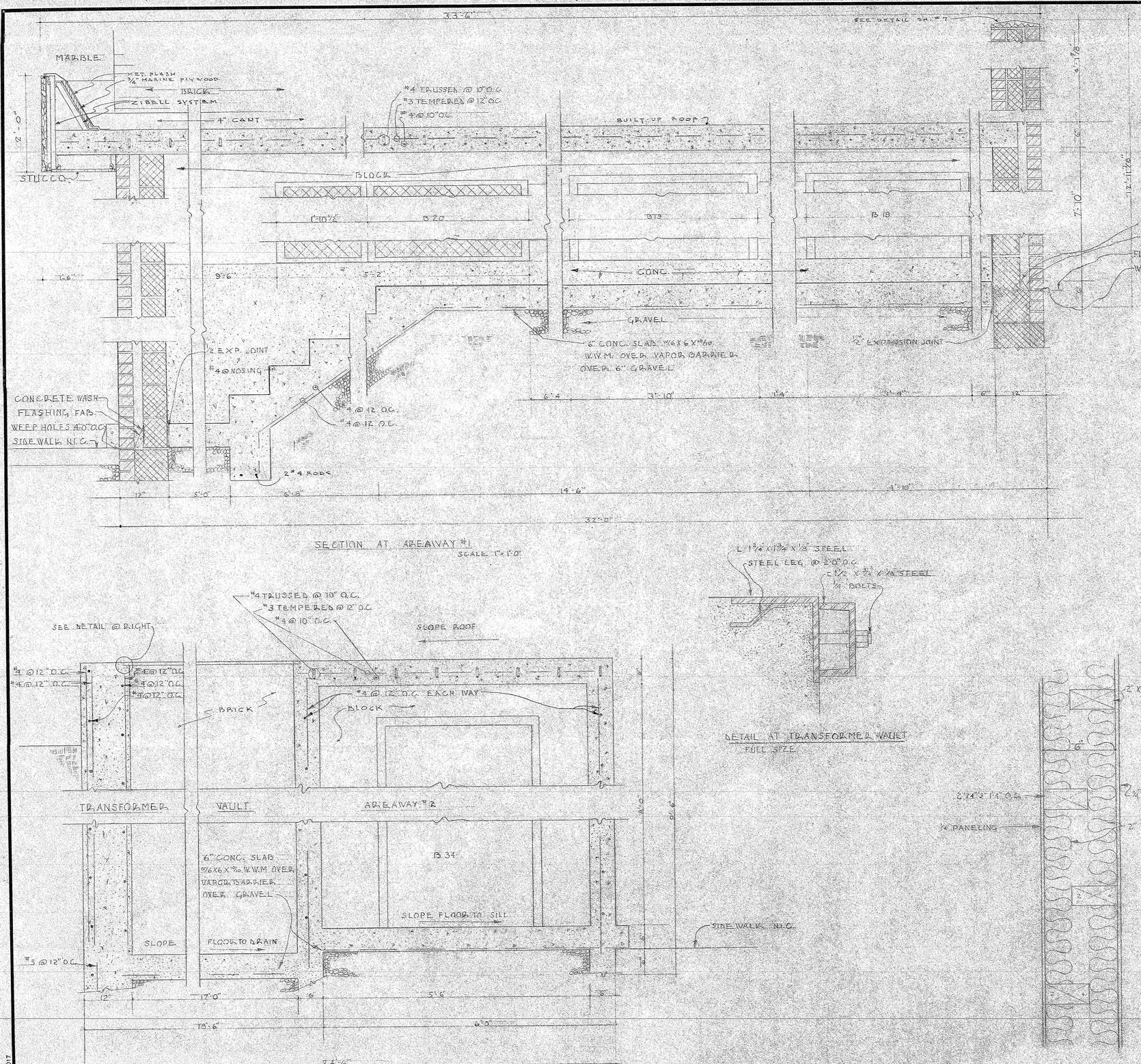
Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G.
6305	AC	12-1-70	OF 39

REVISIONS

15

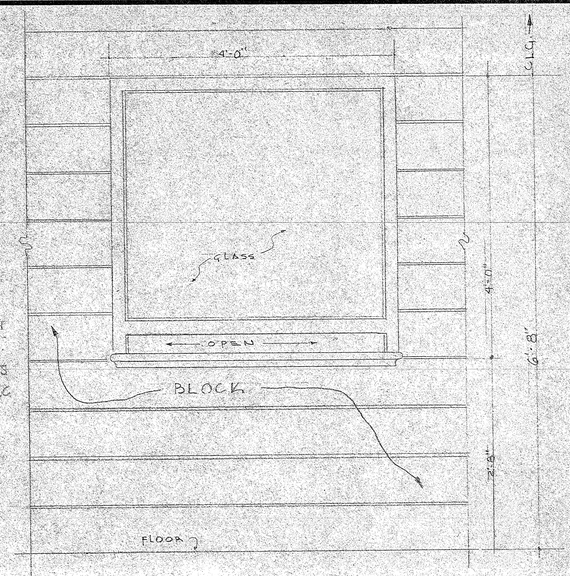
BRUNING 40-105 11017



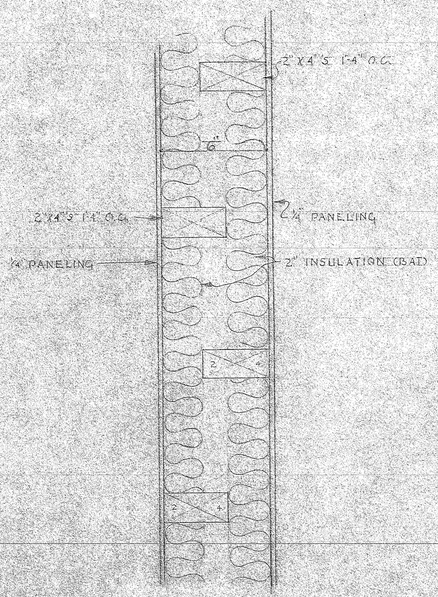
SECTION AT AREAWAY #1
SCALE 1"=1'-0"

SECTION AT AREAWAY #2
SCALE 1"=1'-0"

DETAIL AT TRANSFORMER VAULT
FULL SIZE

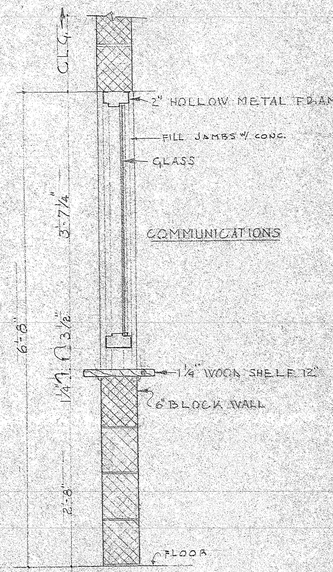


PASS WINDOW ELEVATION
SCALE 1"=1'-0"



DETAIL OF SOUNDPROOF STUD WALL
SCALE 3"=1'-0"

NOTE: THIS WALL FROM FLOOR TO SLAB ABOVE.



DETAIL OF PASS WINDOW
SCALE 1"=1'-0"

COMPLAINT

PUBLIC SAFETY BUILDING LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

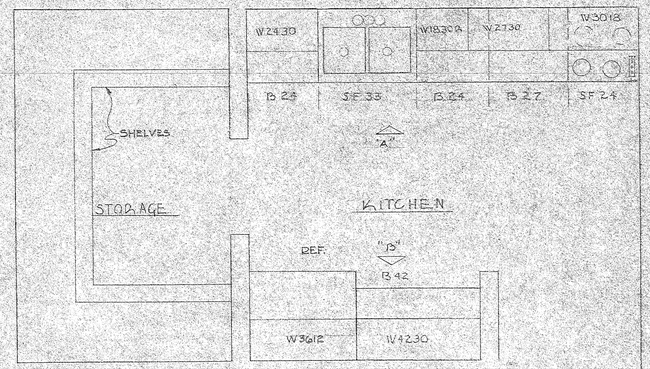
COMMONWEALTH OF VIRGINIA
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1022 COURT ST. LYNCHBURG, VIRGINIA

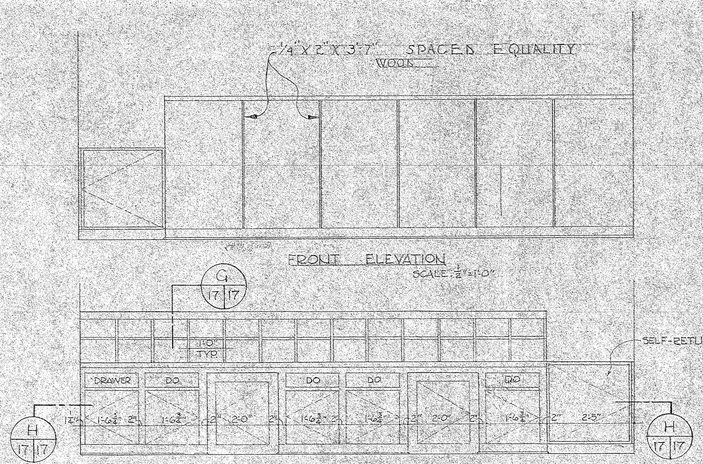
COMM NO	DRAWN BY	DATE	DRW'G.
6905	AC	12-1-70	16 OF 33

REVISIONS

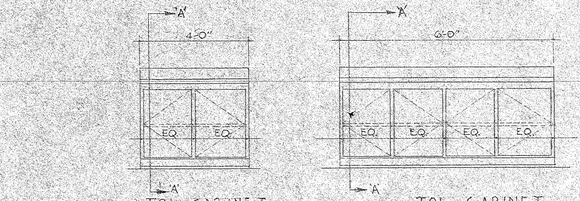
BRUNING 40-105 11017



KITCHEN FLOOR PLAN
SCALE: 1/2"=1'-0"

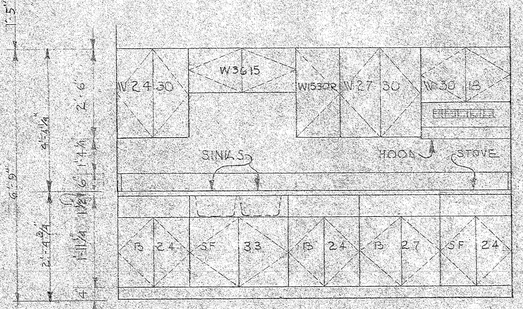


REAR ELEVATION
SCALE: 1/2"=1'-0"

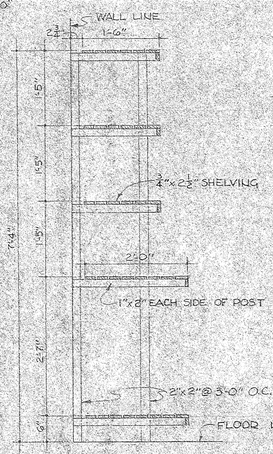


TOL. CABINET

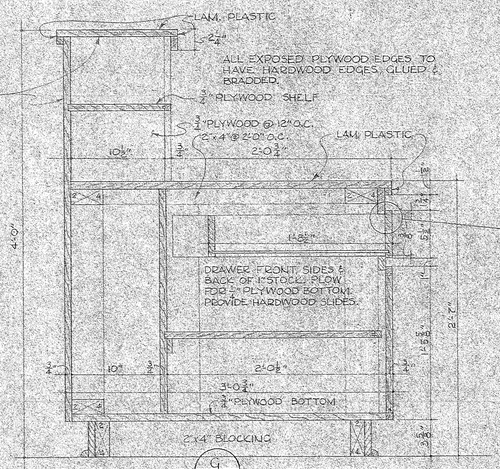
TOL. CABINET
SCALE: 1/2"=1'-0"



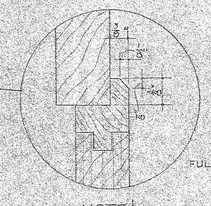
ELEVATION "A"
SCALE: 1/2"=1'-0"



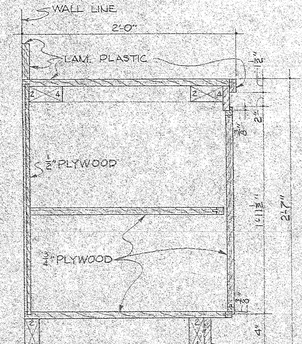
SHELVES FOR STORAGE AREAS & INFIRMARY
SCALE: 3/4"=1'-0"



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

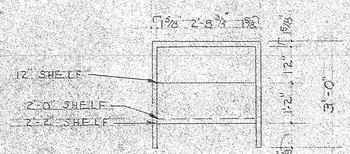


NOTE:
THIS DETAIL TYPICAL ON ALL CABINETS THROUGHOUT BUILDING (EXCEPT PRE-FINISHED KITCHEN CABINETS)

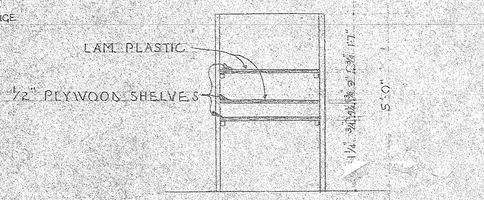


NOTE: ALL EXPOSED PLYWOOD TO BE EDGE BANDED.

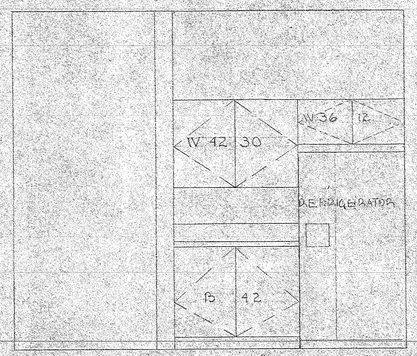
SECTION "A-A"
SCALE: 1 1/2"=1'-0"



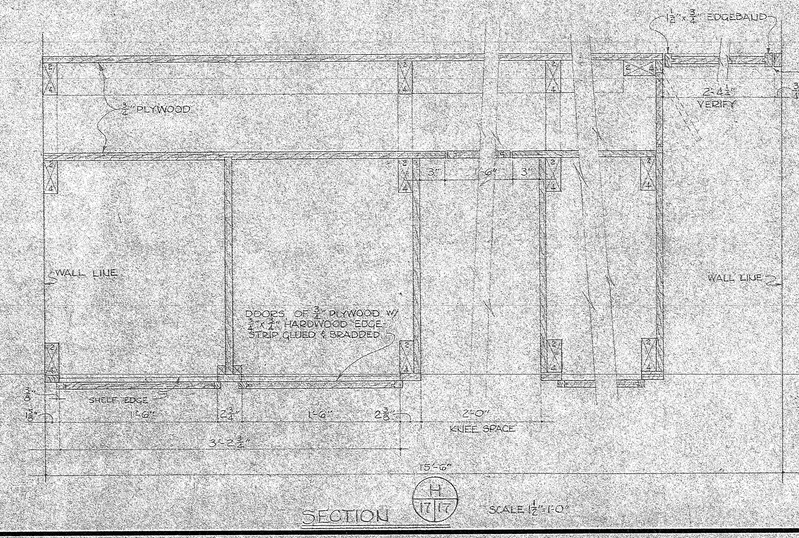
E.O.C. COMM. CARREL'S PLAN
SCALE: 1"=1'-0"



E.O.C. COMM. CARREL'S ELEVATION
SCALE: 1/2"=1'-0"



ELEVATION "B"
SCALE: 1/2"=1'-0"



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

PUBLIC SAFETY BUILDING, LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

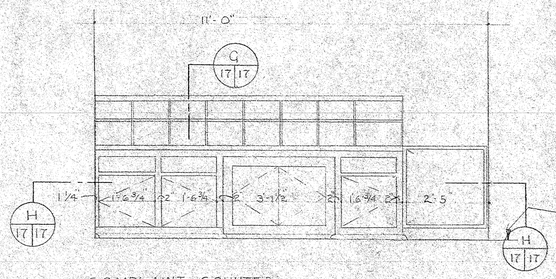
COMMONWEALTH OF VIRGINIA
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CERTIFICATE No. 44
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Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G.
6905	AV & ZZZ	12-1-70	17 OF 39

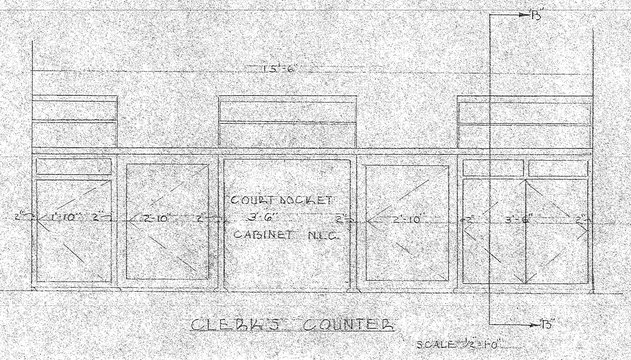
REVISIONS

BRUNING 40-105-11017



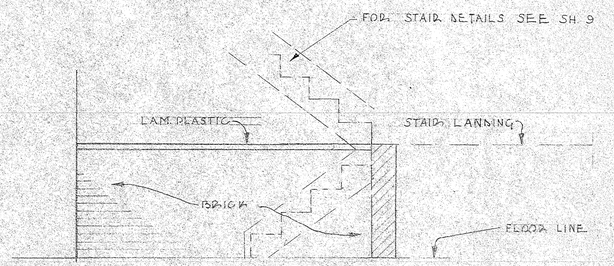
COMPLAINT COUNTER

SCALE 1/2"=1'-0"



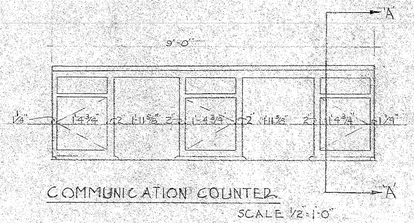
CLERKS COUNTER

SCALE 1/2"=1'0"



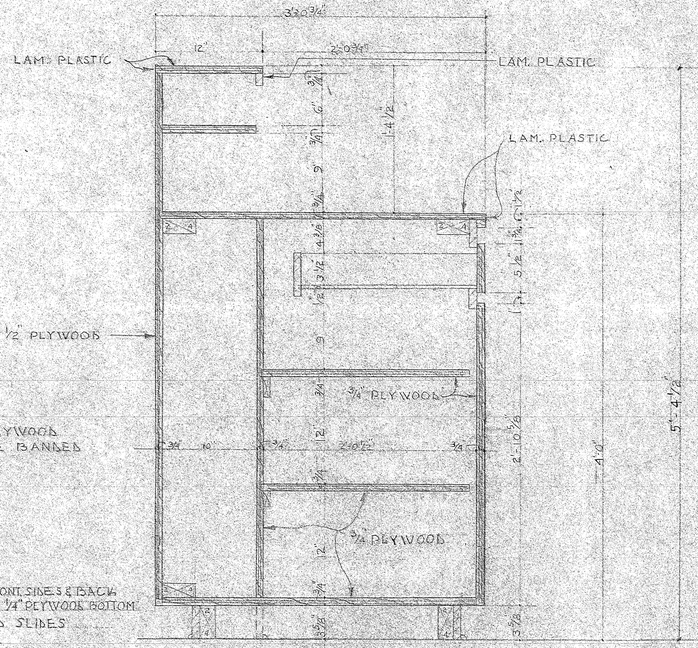
FRONT VIEW OF RECEPTIONIST COUNTER

SCALE 1/2"=1'-0"



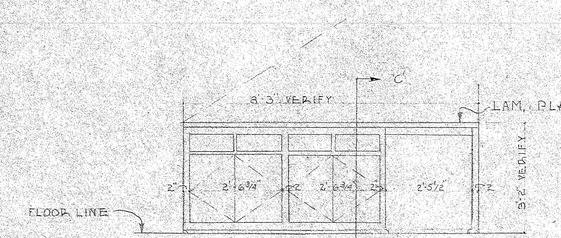
COMMUNICATION COUNTER

SCALE 1/2"=1'-0"



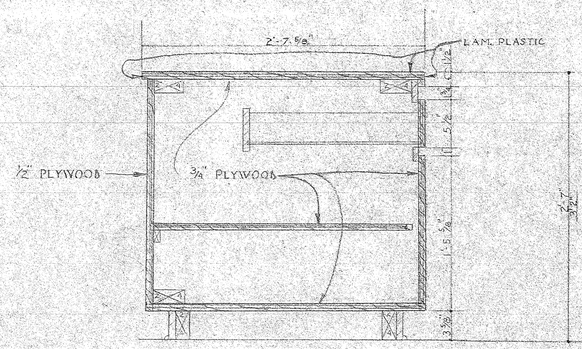
SECTION B-B

SCALE 1½"=1'-0"



REAR VIEW OF RECEPTIONIST COUNTER

SCALE 1/2"=1'-0"



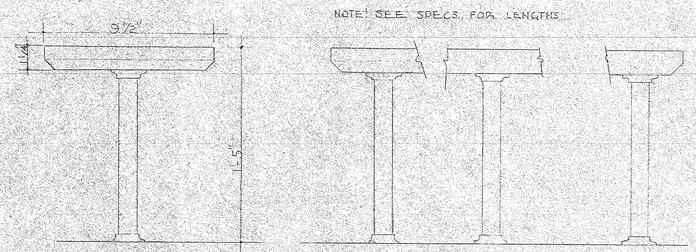
NOTE!
ALL EXPOSED PLYWOOD TO BE EDGE BANDED

NOTE!
ALL DRAWERS FRONT SIDES & BACK OF 1" STOCK & PLOW FOR ¼" PLYWOOD BOTTOM. PROVIDE HARDWOOD SLIDES

SECTION A-A

SECTION C-C SIMILAR

SCALE 1½"=1'-0"



LOCKER ROOM BENCH

SCALE 3"=1'-0"

PUBLIC SAFETY BUILDING LYNCHBURG, VIRGINIA

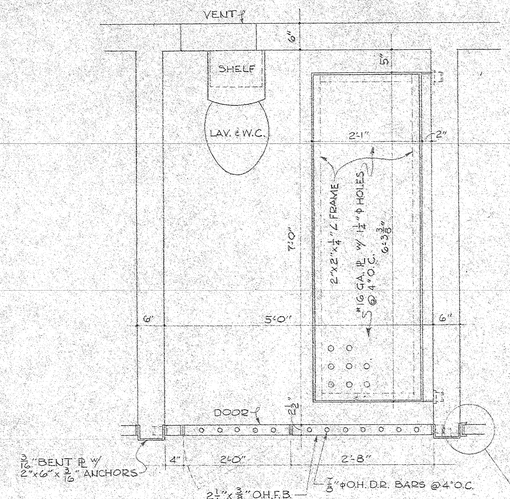
COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

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ROBERT H. HINNANT
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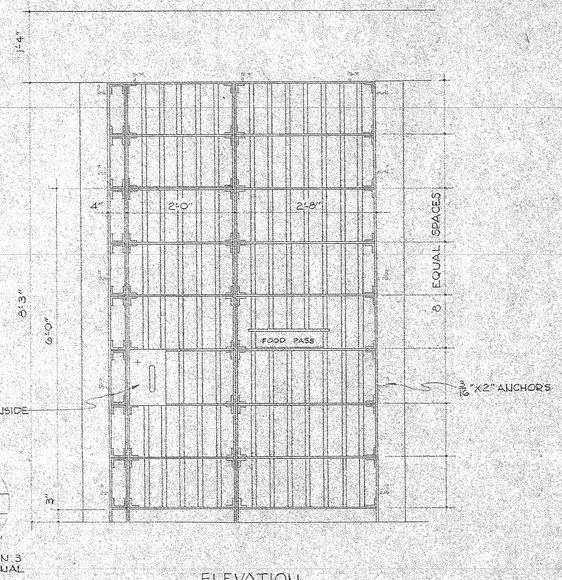
Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G. NO. OF 59
6905	AC	12-70	18
REVISIONS			

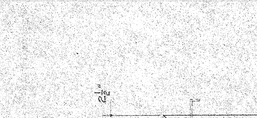
BRUNING 40-105 11017



PLAN OF TYPICAL CELL

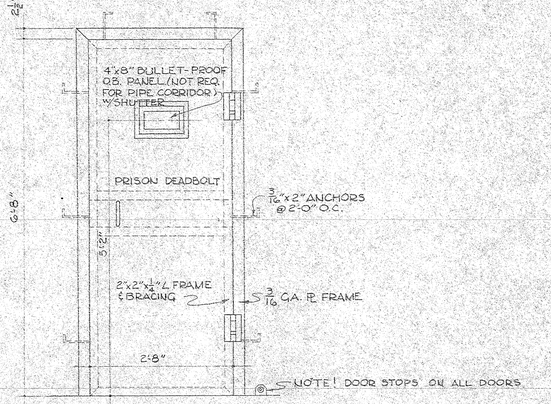


ELEVATION

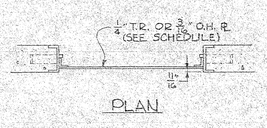


TYPICAL JAIL DETAILS

SCALE ¾"=1'-0"



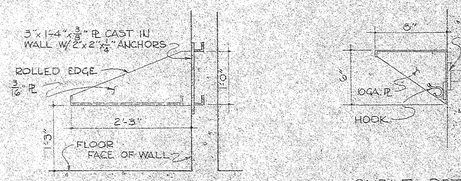
ELEVATION



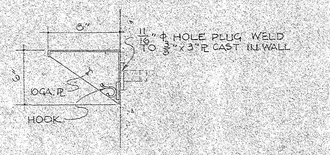
PLAN

TYPICAL SECURITY DOOR

SCALE: ¾"=1'-0"

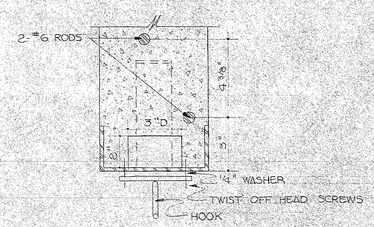


ELEVATION OF BUNK END



SHELF DETAIL

SCALE: 1½"=1'-0"



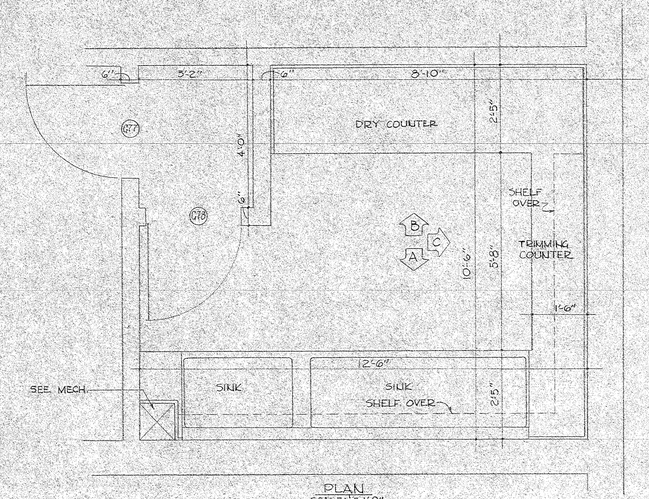
PLAN

ELEVATION

MICROPHONE DETAILS

3"=1'-0"

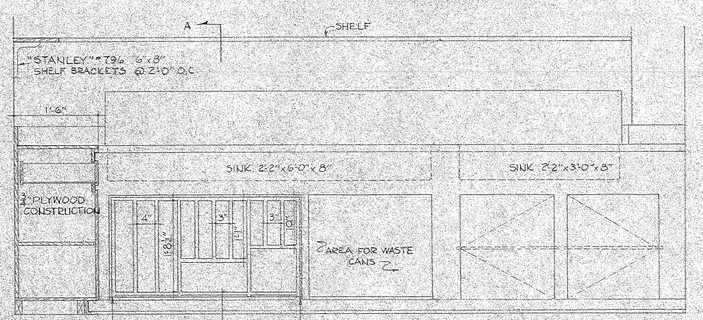
NOTE: 2 MICROPHONES, 6 DUMMIES.



PLAN

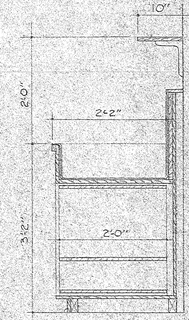
SCALE: ¾"=1'-0"

DARKROOM DETAILS



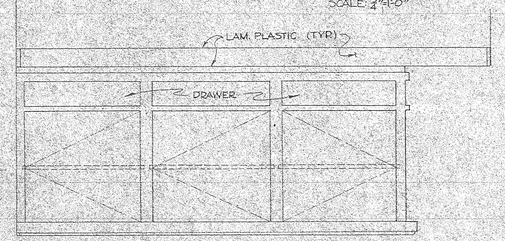
A

SCALE: ¾"=1'-0"



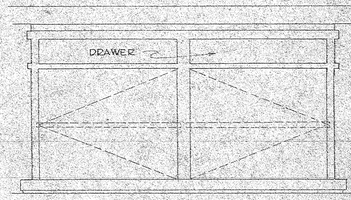
SECTION A-A

SCALE: ¾"=1'-0"



B

SCALE: ¾"=1'-0"



C

SCALE: ¾"=1'-0"

NOTE!
CONSTRUCTION DETAILS OF THESE CABINETS TO BE SIMILAR TO THOSE ON SHEETS 17 & 18.

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
REGISTERED ARCHITECT

COMMONWEALTH OF VIRGINIA
ROBERT H. HINNANT
PROFESSIONAL ENGINEER
CERTIFICATE No. 44
CERTIFIED PROFESSIONAL ENGINEER

Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G
6905	TEF	12-70	19

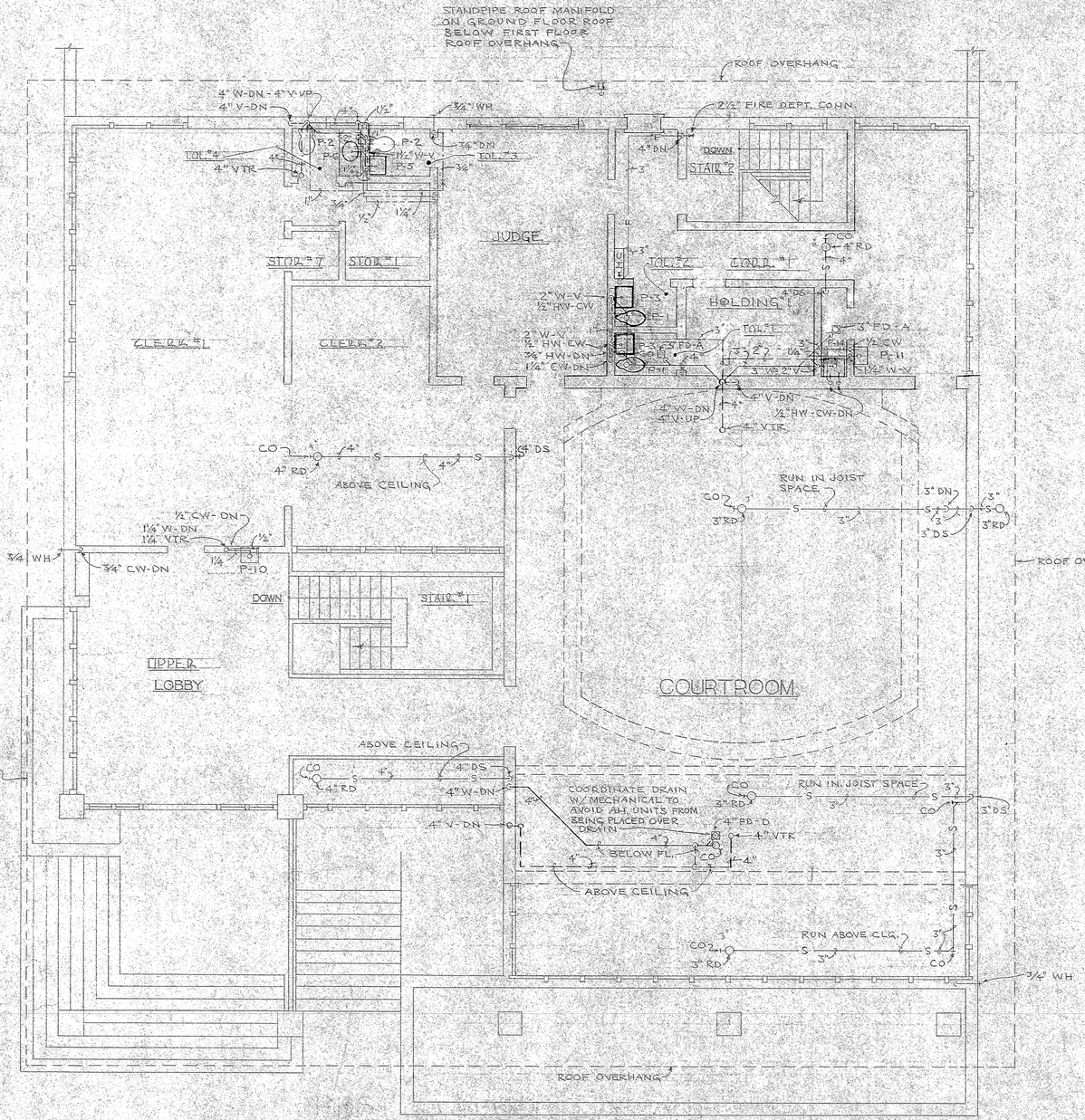
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OF 38

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NOTES:

1. ALL FLOOR DRAINS IN THE 30 DETENTION CELLS AND HOLDING CELLS NO. 1, NO. 2 AND NO. 3 SHALL HAVE VANDAL PROOF TRIM. ALSO ALL ACCESSORIES SHALL HAVE VANDAL PROOF HARDWARE.
2. ELECTRICAL OUTLET FOR ELECTRIC WATER COOLERS SHALL BE INSTALLED CENTERED UNDER COOLER AND AS CLOSE TO BOTTOM OF COOLER AS POSSIBLE.
3. ALL ROOF DRAIN PIPING (STORM DRAIN) IN CEILING SPACE SHALL BE SLOPED ⅛" PER FOOT OF PIPE AND ALL ROOF STORM DRAIN PIPING BELOW SLAB ON GRADE SHALL BE SLOPED ¼" PER FOOT OF PIPE.



FIRST FLOOR PLAN - PLUMBING

SCALE: 3/16" = 1'-0"

LEGEND

———	SANITARY SOIL & WASTE PIPING (W)
———	SANITARY & STORM VENT PIPING (V)
—S—	STORM SEWER (SD)
—CD—	CHEMICAL DRAIN (CD)
—CV—	CHEMICAL VENT (CV)
———	DOMESTIC COLD WATER (CW)
———	DOMESTIC HOT WATER (HW)
———	DOMESTIC HOT WATER CIRCULATING (HWC)
—F—	FIRE LINE
——O	PIPING TURNING UP
——⊃	PIPING TURNING DOWN
——⋈	GATE VALVE
——⋈	CHECK VALVE
——⋈	BALANCING VALVE
——⋈	STRAINER
——⋈	UNION
——O—CO	CLEANOUT FLUSH W/ FLOOR OR GRADE (CO)
——O—CO	CLEANOUT IN CEILING SPACE OR BELOW GRADE (CO)
——⊠	FLOOR DRAIN WITH TRAP
——⊣	EXTERIOR WALL HYDRANT - NON FREEZE (WH)
——⊣	INTERIOR WALL HYDRANT - WARM CLIMATE (WH)
——⊣	HOSE BIBB (HB)
[FH HC]	FIRE HOSE CABINET W/ FIRE DEPT. CONNECTION
	WATER MOTOR GONG (WMG)
	SHOCK ABSORBER (SA)
	TEMPERATURE & PRESSURE RELIEF VALVE (T&P)
RD	ROOF DRAIN
DS	DOWNSPOUT
VTR	VENT THRU ROOF
CI	CAST IRON
TC	TERRA COTTA
EWH	ELECTRIC WATER HEATER
EWC	ELECTRIC WATER COOLER
HPT	HYDRO PNEUMATIC TANK
HG	HYDROGUARD
SLOPE ⅛"	SLOPE PIPE ⅛" PER FOOT OF PIPE
SLOPE ¼"	SLOPE PIPE ¼" PER FOOT OF PIPE
SLOPE 1"	SLOPE 1" PER 25 FEET OF DRAIN TILE
—DT—	DRAIN TILE
BV.	BACKWATER VALVE
FWG	FLUSH WITH GRADE
MH	MAN HOLE
O.C	ON CENTER
EW	EACH WAY

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

COMMONWEALTH OF VIRGINIA — ROBERT H. HINNANT — PROFESSIONAL ENGINEER — CERTIFICATE No. 44 — CERTIFIED PROFESSIONAL ENGINEER

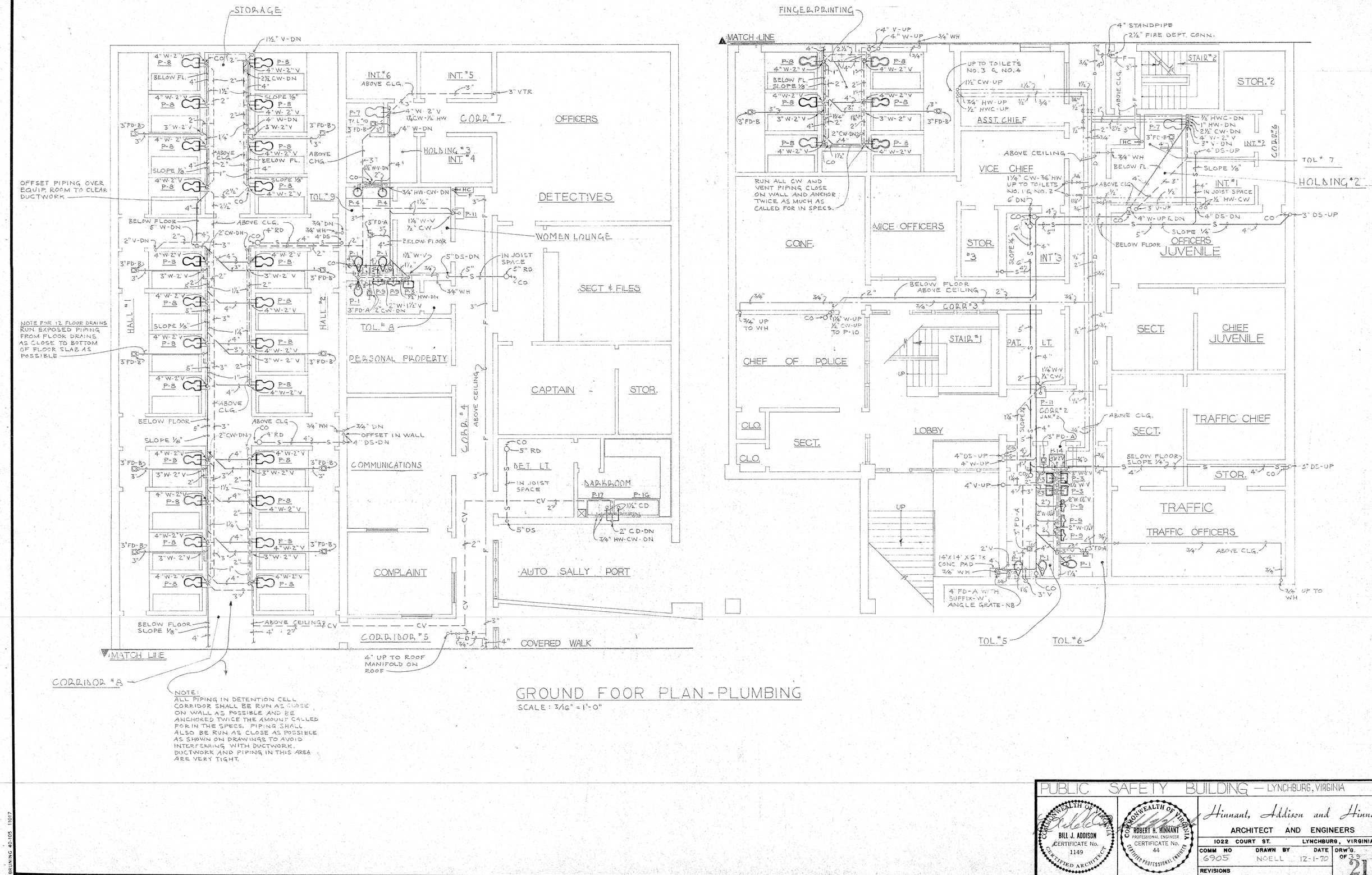
Hinnant, Addison and Hinnant
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1022 COURT ST. LYNCHBURG, VIRGINIA

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6905	NOELL	12-1-70	OF 33

REVISIONS

20

BRUNING 40105 - 11017



GROUND FOOR PLAN - PLUMBING

SCALE: 3/16" = 1'-0"

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

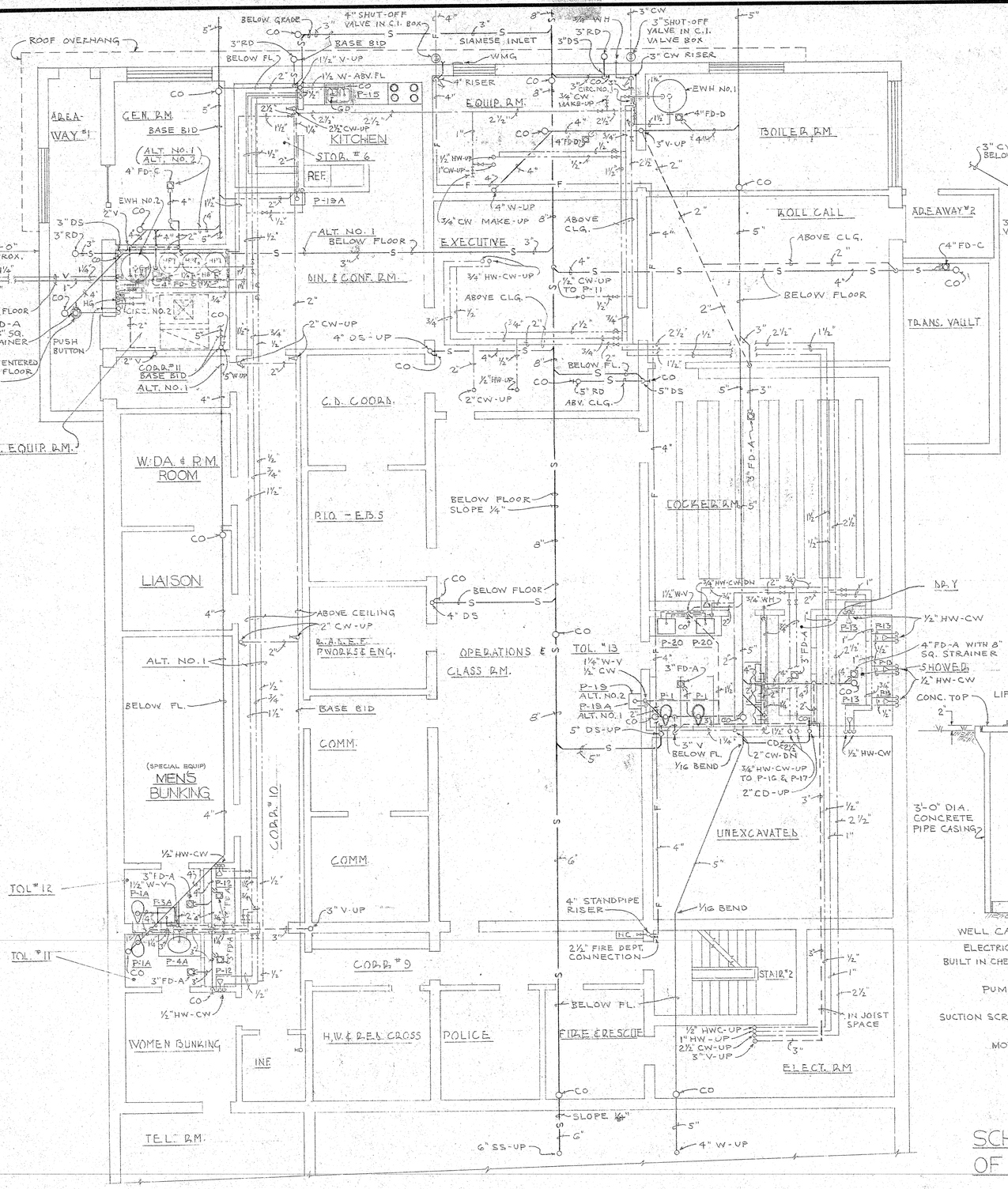
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6905	NOELL	12-1-70	OF 35 21

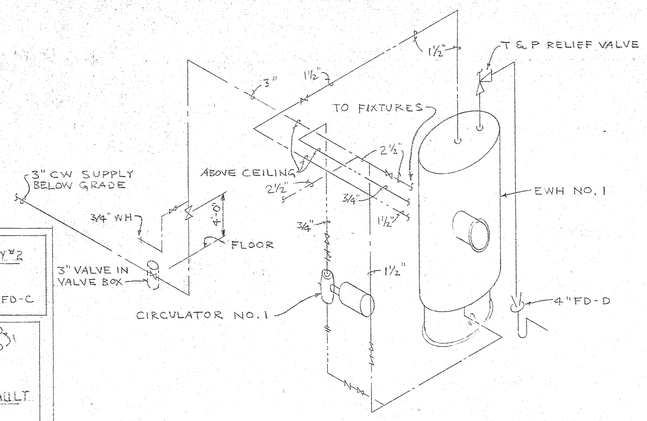
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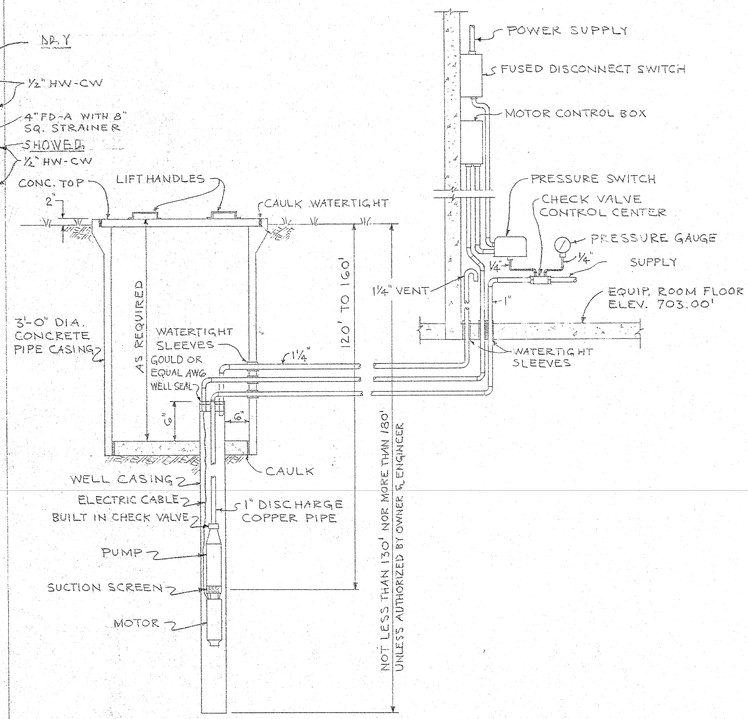
BASEMENT FLOOR PLAN-PLUMBING

SCALE: 3/16" = 1'-0"



E.W.H. NO. 1 & C.W. RISER PIPING DIAGRAM - (BASE BID)

NOT TO SCALE



SCHEMATIC PIPING DIAGRAM OF WELL (ALT. NO. 1 ONLY)

EQUIPMENT SCHEDULE FOR ALT. NO. 1 (E.O.C)

WATER HEATER NO. 2 SHALL BE A RECO VERTICAL ELECTRIC WATER HEATER MODEL NO. RV-307 AS MFG. BY RICHMOND ENGINEERING CO. OR APPROVED EQUAL. HEATER SHALL HAVE A 240 GALLON CAPACITY STORAGE, 147 GPH RECOVERY @ 100° RISE, 36 KW, 480 VOLTS, 3 PHASE. TANK SHALL BE FABRICATED OF STEEL AND TO BE CEMENT LINED WITH 1½" FIBER GLASS INSULATION COVERED WITH A PAINTED STEEL JACKET AND LIFTING LUGS. TANK SHALL BE ASME & UL APPROVED AND BE DESIGNED FOR 125 P.S.I.G. WORKING PRESSURE. HEATER SHALL BE FURNISHED WITH CONTROL PANEL MOUNTED ON TANK IN A NEMA ENCLOSURE WIRED TO NEC AND UL STANDARDS. PROVIDE HEATER WITH TEMPERATURE AND PRESSURE ASME APPROVED RELIEF VALVE. HEATER SIZE SHALL BE APPROX. 30 INCH DIAMETER BY 84 INCHES HIGH.

CIRCULATOR NO. 2 SHALL BE MODEL NO. HB, ¾" SIZE AS MFG. BY H.A. THRUSH & CO. OR APPROVED EQUAL. PUMP SHALL DELIVER 2 GPM AGAINST 4 FOOT HEAD, ⅙ H.P., 1750 RPM, 115/1/60. PUMP SHALL HAVE CLOSED TYPE IMPELLER, STAINLESS STEEL SHAFT, CONSTANT BEARING LUBRICATION AND FLAT SPRING BARREL TYPE COUPLING.

HYDRO-PNEUMATIC TANKS (HPT) SHALL BE AS MFG. BY W.L. JACKSON MFG. CO. OR APPROVED EQUAL AS SPECIFIED IN SECTION 22A OF THE SPECIFICATIONS.

WELL SHALL BE AS SPECIFIED IN SECTION 22A OF THE SPECIFICATIONS. IF WELL DEPTH VARIES FROM WITHIN 130 FEET TO 180 FEET DEEP, THE ENGINEER SHALL BE CONSULTED TO RESIZE WELL PUMP.

SUBMERIBLE WELL PUMP SHALL BE MODEL NUMBER AND OF CAPACITY AS SPECIFIED IN SECTION 22A OF THE SPECIFICATIONS.

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

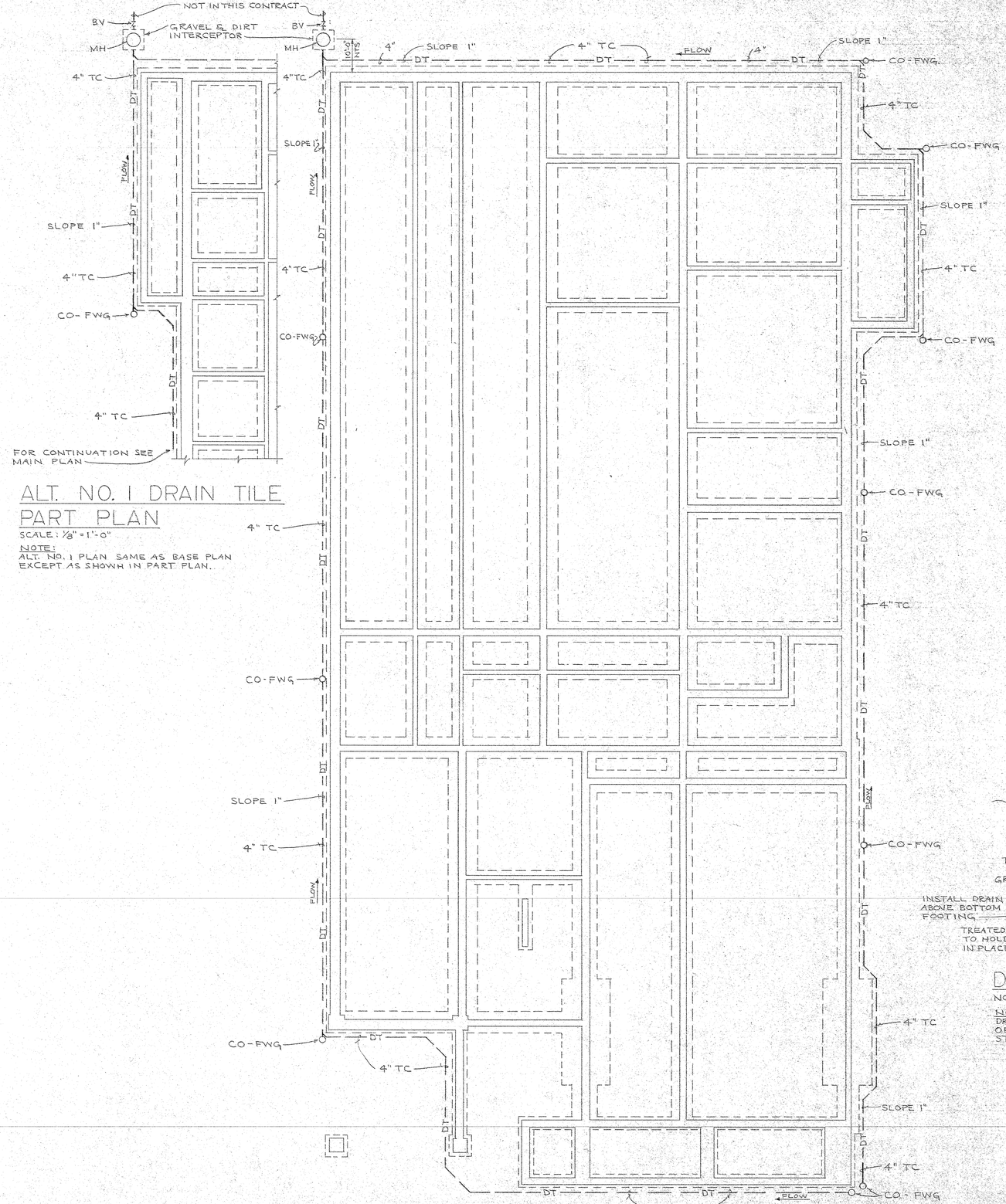
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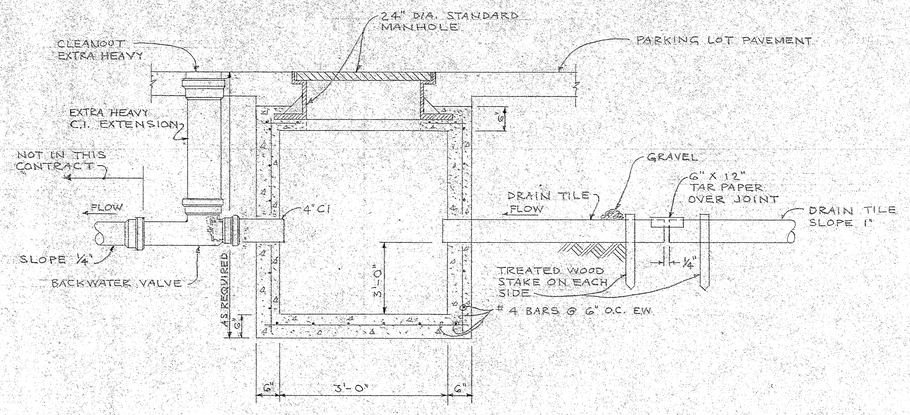
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ALT. NO. 1 DRAIN TILE PART PLAN

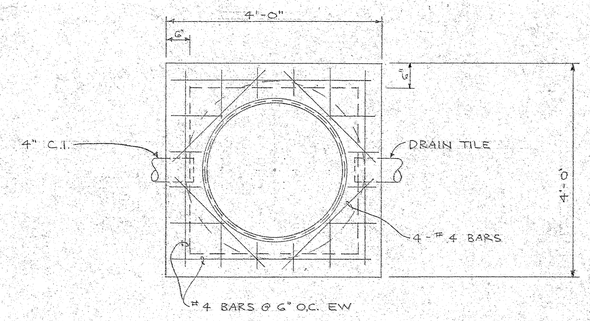
SCALE: 1/8" = 1'-0"

NOTE:
ALT. NO. 1 PLAN SAME AS BASE PLAN EXCEPT AS SHOWN IN PART PLAN.



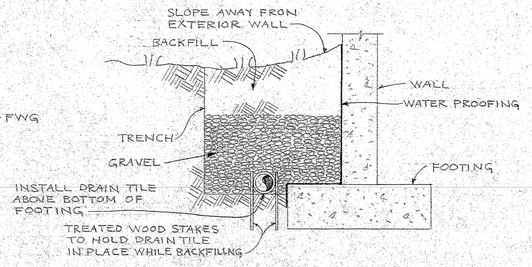
ELEVATION

NOT TO SCALE



INTERCEPTOR PLAN

NOT TO SCALE



DRAIN TILE AT FOOTING DETAIL

NOT TO SCALE

NOTE:
DRAIN TILE SHALL SLOPE 1" PER 25 FEET OF DRAIN TILE AND SHALL SLOPE WITH STEP DOWN OF FOOTINGS.

FOUNDATION DRAIN TILE PLAN-PLUMBING

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

PUBLIC SAFETY BUILDING - LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

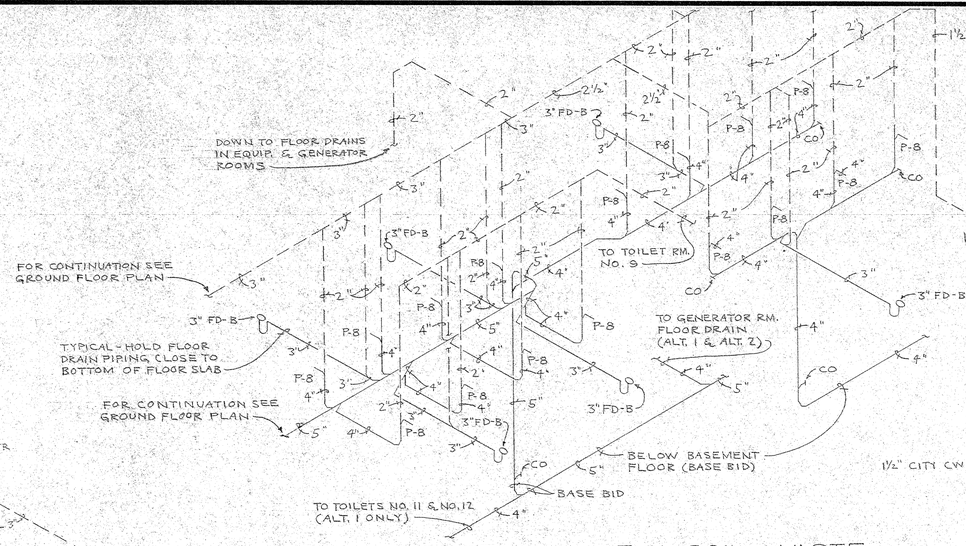
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1022 COURT ST. LYNCHBURG, VIRGINIA

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6905	NOELL	12-1-70	23 OF 39

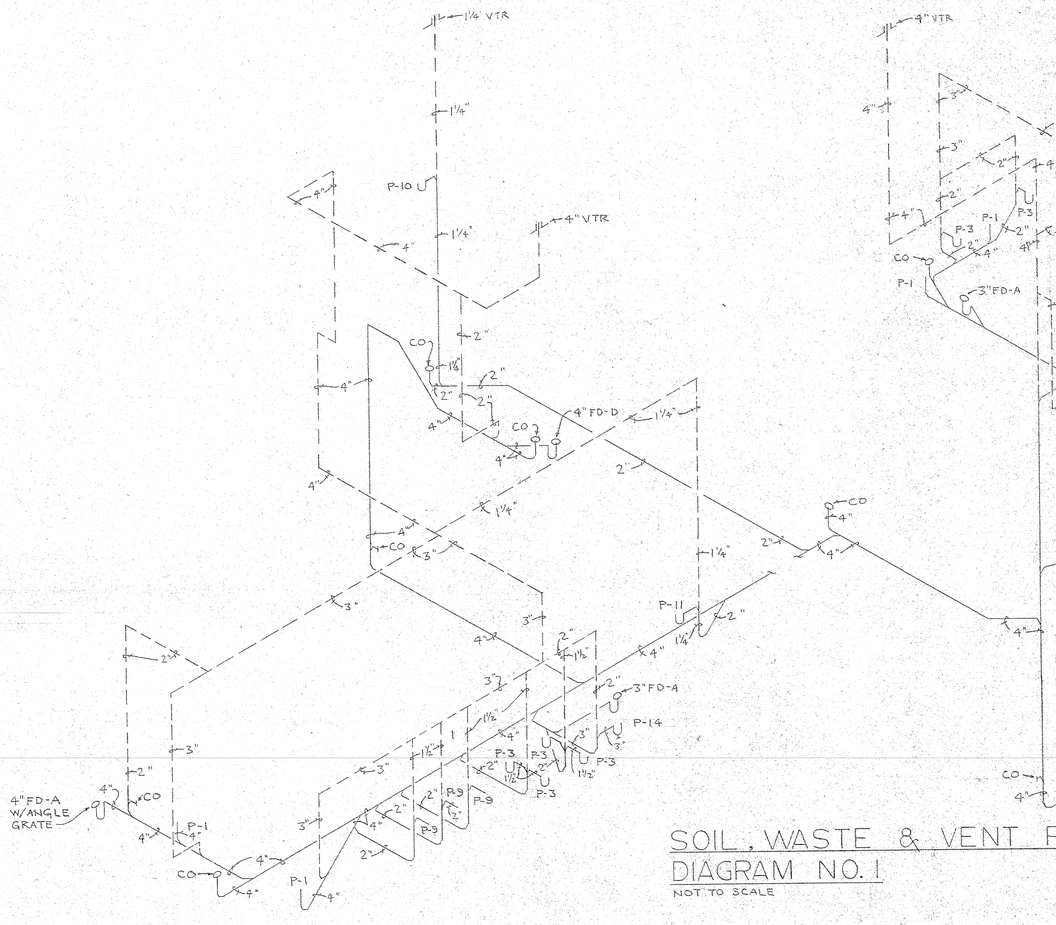
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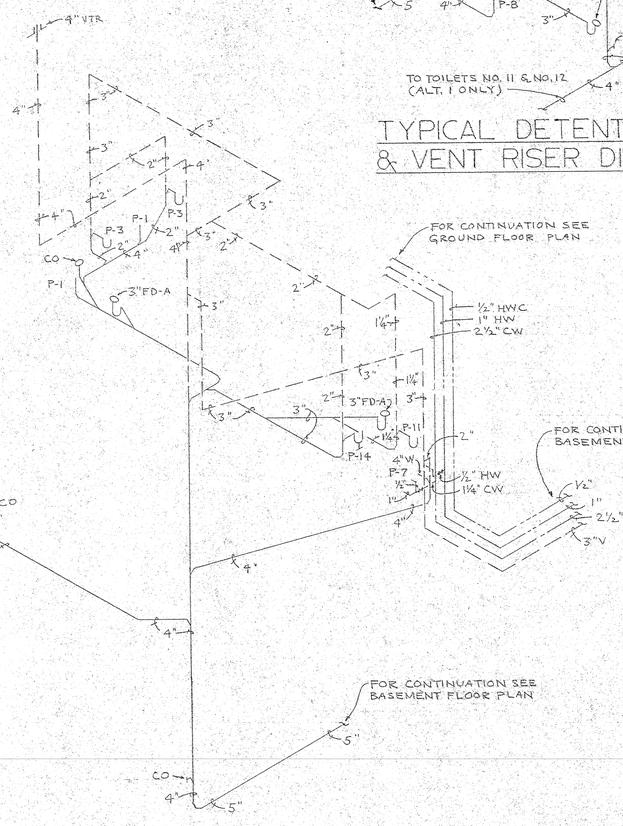
TYPICAL DETENTION CELL SOIL WASTE & VENT RISER DIAGRAM

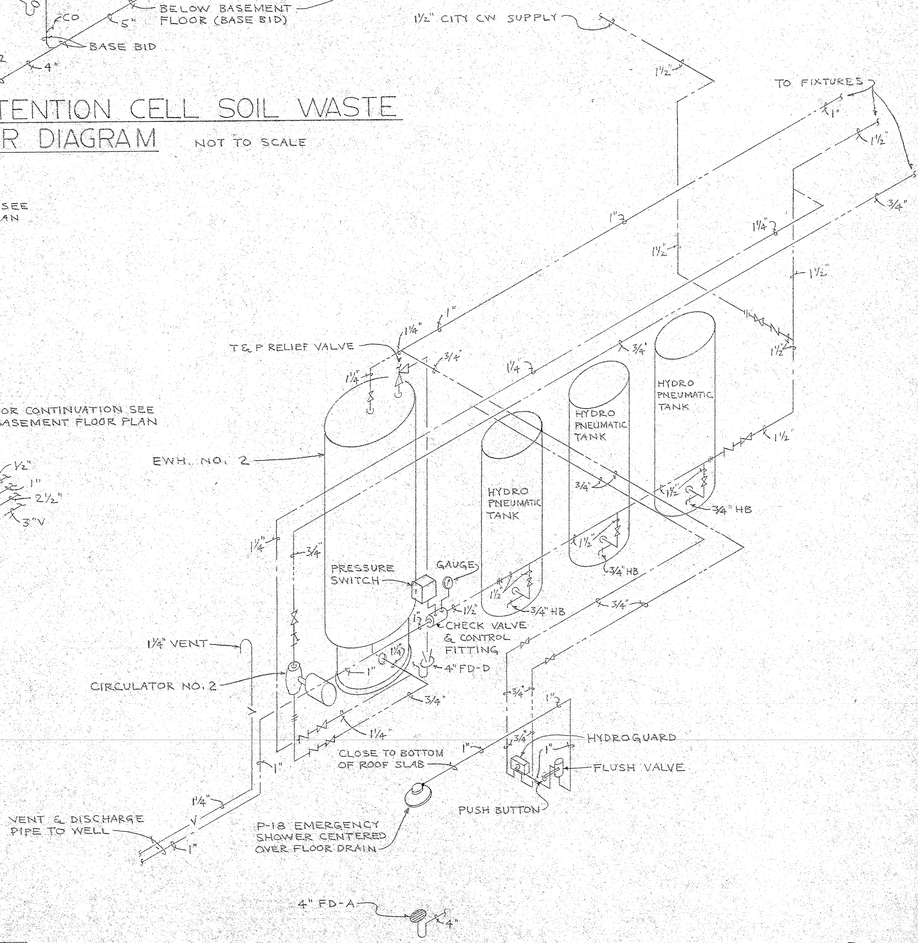
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SOIL, WASTE & VENT RISER DIAGRAM NO. 1

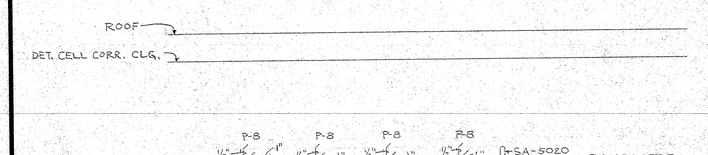
NOT TO SCALE





HYDRO PNEUMATIC TANKS, EWH. NO. 2 & EMERGENCY SHOWER PIPING DIAGRAM

(ALT. NO. 1 ONLY) NOT TO SCALE



TYPICAL DETENTION CELL WATER RISER DIAGRAM NO. 1.

NOT TO SCALE



TYPICAL DETENTION CELL WATER RISER DIAGRAM NO. 2

NOT TO SCALE

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

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ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

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6905	NOELL	12-1-70	24

REVISIONS

OF 39

BRUNING 40-105 11017

FIXTURE SCHEDULE & SPCIFICATIONS

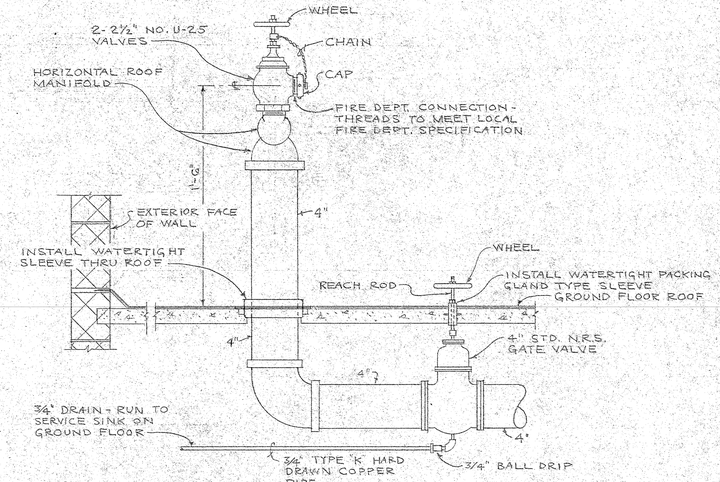
NOTE: FIXTURES SHALL BE AS SPECIFICIED OR APPROVED EQUAL

FIXTURE NO.	FIXTURE	MANUFACTURER	PLATE NO.	MATERIAL	SIZE	FLUSH VALVE	SEAT	SUPPLY & DRAIN FITTING	TRAP	SUP PIPES & STOP	PIPE SIZE WASTE	VENT	HOT WATER	COLD WATER	CARRIER	ACCESSORIES	REMARKS
P-1 (P-1A)	WATER CLOSET	KOHLER CO.	ROCKWELL K-4252-ET	VITREOUS CHINA	ELONGATED	DELANY FLUSHBOY 402-A-Q-VB	CHURCH MOLTEX 5320.445	1½" TOP SPUD	INTEGRAL		4"	AS ON DWG'S		1"	FLOOR MOUNTED		SEAT: WHITE W/ CHECK TYPE HINGE. P-1A SAME AS P-1 EXCEPT FOR ALT. NO. 1 (EOC)
P-2	WATER CLOSET	KOHLER CO.	CAYUGA K-3440-EB	VITREOUS CHINA	ELONGATED	DELANY FLUSHBOY 402-A-Q-VB-D	CHURCH MOLTEX 5321.019	1½" TOP SPUD	INTEGRAL		4"	2"		1"	JAY R. SMITH 210-LB 420-R		PIPING FROM JUDGES WATER CLOSET SHALL BE RUN IN COUNTER SPACE
P-3 (P-3A)	LAVATORY	KOHLER CO.	GREENWICH K-2020	VITREOUS CHINA	20"X18"			TRITON TRIM K-7436	K-9000 1¼"X1½"	K-7606	1½"	1¼	½"	½"	WALL MOUNTED		P-3A SAME AS P-3 EXCEPT FOR ALT. NO. 1 (EOC) ONLY
P-4 (P-4A) ALT. 1	LAVATORY	KOHLER CO.	PENNINGTON K-2196	VITREOUS CHINA	19"X16"			TRITON TRIM K-7436	K-9000 1¼"X1½"	K-7606	1½"	1¼"	½"	½"	COUNTER TOP MOUNTED		P-4A SAME AS P-4 EXCEPT FOR ALT. NO. 1 (EOC) ONLY.
P-5	LAVATORY	KOHLER CO.	GREENWICH K-2020	VITREOUS CHINA	20"X18"			FLAIR TRIM K-7436-FL	K-9000 1¼"X1½"	K-7606	1½"	1¼"	½"	½"	WALL MOUNTED		
P-6	LAVATORY	KOHLER CO.	PENNINGTON K-2196	VITREOUS CHINA	19"X16"			FLAIR TRIM K-7436-FL	K-9000 1¼"X1½"	K-7606	1½"	1¼"	½"	½"	COUNTER TOP MOUNTED		
P-7	LAVATORY-WATER CLOSET COMBINATION	ALUM. PLUMBING FIXTURE CORP.	SUPER SECUR WARE A-350	CAST ALUMINUM	ELONGATED	DELANY FLUSHBOY 568-3-A-VB	MADE IN CLOSET	COMBINATION DRINKING BUBBLER SOAP DISH & INLET	INTEGRAL	1" SUPPLY ½" SUPPLY	4"	2"	½"	1" & ½"	JAY R. SMITH 480-B	TOWEL BARS & PAPER HOLDER	HW-CW SUPPLY FITTINGS SHALL BE FLUSH VALVE AS NOTED IN FLUSH VALVE COL.
P-8	LAVATORY-WATER CLOSET COMBINATION	ALUM. PLUMBING FIXTURE CORP.	SUPER SECUR WARE A-350A	CAST ALUMINUM	ELONGATED	DELANY FLUSHBOY 568-2-A-VB	MADE IN CLOSET	COMBINATION DRINKING BUBBLER SOAP DISH & INLET	INTEGRAL	1" SUPPLY ½" SUPPLY	4"	2"		1" & ½"	JAY R. SMITH 480-B	TOWEL BARS & PAPER HOLDER	CW-SUPPLY FITTING SHALL BE FLUSH VALVE AS NOTED IN FLUSH VALVE COL.
P-9	URINAL	KOHLER CO.	STANWELL K-4971-T	VITREOUS CHINA	18" WIDE	DELANY FLUSHBOY 452-A-VB		1¼" TOP SPUD	INTEGRAL		2"	1½"		1"	WALL MOUNTED		
P-10	ELECTRIC WATER COOLER	SUNROC CO	SR-12 CA	STAINLESS STEEL TOP-STEEL CABINET	17"X15½"X35				K-9004 1¼"X1¼"	K-7668	1¼"	1¼"		½"	WALL MOUNTED	SEMI-RECESSED	CABINET COLOR-VINYL LAMINATED NO. 852J RUSSET WALNUT WOOD GRAIN
P-11	ELECTRIC WATER COOLER	SUNROC CO	NSW-14	STAINLESS STEEL TOP-STEEL CABINET	15"X15"X31"				K-9004 1¼"X1¼"	K-7668	1¼"	1¼"		½"	WALL MOUNTED	NO. 3130 GLASS FILLER	CABINET COLOR-VINYL LAMINATED NO. 852J RUSSET WALNUT WOOD GRAIN
P-12 (ALT. 1)	SHOWER FITTINGS	POWERS REGULATING CO.	425-1100								FLOOR DRAIN	AS ON DWG'S.	½"	½"		141-138 HEAD/W 141-185, 3 GPM MAX. FLOW CONTROL	SHOWER FITTINGS FOR ALT. NO. 1 (EOC) ONLY
P-13	SHOWER FITTINGS	POWERS REGULATING CO.	425-11-55								FLOOR DRAIN	AS ON DWG'S.	½"	½"			
P-14	SERVICE SINK.	KOHLER CO.	BANNON K-6716	ACID-RESISTING ENAMELED CAST IRON	22"X18"			K-8905 W/ VACUUM BREAKER	K-6673	½" SUPPLY	3"	2"	½"	½"	WALL MOUNTED	K-8936 STAINLESS STEEL RIM GUARD	
P-15 (ALT. 1)	KITCHEN SINK	ELKAY CO.	LUSTERTONE L-3221	18 GAUGE TYPE 302 STAINLESS STEEL	32"X21"			LK-245	K-9004 1½"X1½"	K-7606	1½"	1½"	½"	½"	COUNTER TOP MOUNTED	F-3221 FRAME-4 HOLE DRILLING	LEFT SINK SHALL HAVE MODEL NO. 66OC FOOD WASTE DISPOSER BY NATIONAL OR EQUAL. P-15 FOR ALT. NO. 1 (EOC) ONLY.
P-16	DARK-ROOM SINK	KREONITE INC.	2461O	FIBER GLASS	72"X24"X8"			KOHLER K-8958 W/ VACUUM BREAKER			1½"	1½"	½"	½"	COUNTER TOP MOUNTED	3 HOLE DRILLING IN SINK SHELF	
P-17	DARK-ROOM SINK	KERONITE INC.	17310	FIBER GLASS	36"X24"X8"			KOHLER K-8958 W/ VACUUM BREAKER			1½"	1½"	½"	½"	COUNTER TOP MOUNTED	3 HOLE DRILLING IN SINK SHELF	
P-18 (ALT. 1)	EMERGENCY SHOWER FITTING	WESTERN INC.	SHOWER HEAD 828	BRASS-POLISHED CHROME PLATED		DELANY FLUSHBOY 533-VB				1" SUPPLY	FLOOR DRAIN	AS ON DWG'S.	¾"	¾"		POWERS-432-20-65 HYDROGUARD	FLUSH VALVE SHALL HAVE SLOW CLOSING ACTION & EXTENDED PUSH BUTTON. P-18 FOR ALT. NO. 1 (EOC) ONLY.
(P-19) (ALT. 2) P-19A) (ALT. 1)	ELECTRIC WATER COOLER	SUNROC CO.	NSW-14	STAINLESS STEEL TOP-STEEL CABINET	15"X15"X31"				K-9004 1¼" X 1¼"	K-7668	1¼"	1¼"		½"	WALL MOUNTED	NO. 3130 GLASS FILLER	CABINET COLOR-VINYL LAMINATED NO. AK-645 WHITE. P-19-ALT. NO. 2 ONLY. P-19A SAME AS P-19 EXCEPT FOR ALT. NO. 1 ONLY.
P-20	LAVATORY	KOHLER CO.	ARROWHEAD K-2192	VITREOUS CHINA	20"X18"			TRITON TRIM K-7436	K-9000 1¼" X 1½"	K-7606	1½"	1½"	½"	½"	COUNTER TOP MOUNTED	K-6685 METAL FRAME	

EQUIPMENT SCHEDULE FOR BASE BID

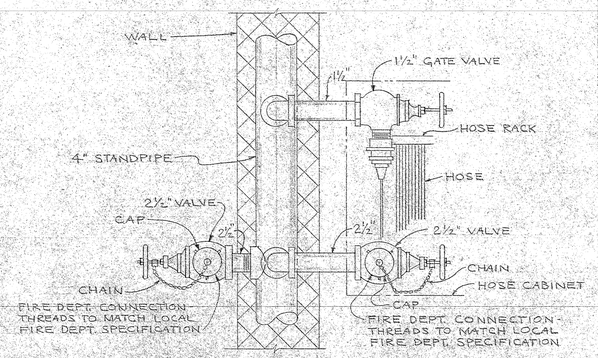
WATER HEATER NO. 1 SHALL BE A RECO VERTICAL ELECTRIC WATER HEATER MODEL NO. RV-366 AS MFG. BY RICHMOND ENGINEERING CO. OR APPROVED EQUAL. HEATER SHALL HAVE A 286 GALLON CAPACITY STORAGE, 164 GPH RECOVERY @ 100° RISE, 40 KW, 480 VOLTS, 3 PHASE. TANK SHALL BE FABRICATED OF STEEL AND TO BE CEMENT LINED WITH 1½" FIBER GLASS INSULATION COVERED WITH A PAINTED STEEL JACKET AND LIFTING LUGS. TANK SHALL BE ASME & UL APPROVED AND BE DESIGNED FOR 125 P.S.I.G. WORKING PRESSURE. HEATER SHALL BE FURNISHED WITH CONTROL PANEL MOUNTED ON TANK IN A NEMA ENCLOSURE WIRED TO NEC AND UL STANDARDS. PROVIDE HEATER WITH TEMPERATURE AND PRESSURE ASME APPROVED RELIEF VALVE. HEATER SIZE SHALL BE APPROX. 36 INCH DIAMETER BY 72 INCHES HIGH.

CIRCULATOR NO. 1 SHALL BE MODEL NO. HB, 3/4 SIZE AS MFG. BY H.A. THRUSH & CO. OR APPROVED EQUAL. PUMP SHALL DELIVER 3 GPM AGAINST 5 FT. HEAD, 1/6 HP, 1750 RPM, 115/1/60. PUMP SHALL HAVE CLOSED TYPE IMPELLER, STAINLESS STEEL SHAFT, CONSTANT BEARING LUBRICATION AND FLAT SPRING BARREL TYPE COUPLING.



ROOF MANIFOLD & PIPING DETAIL

NOT TO SCALE



TYPICAL HOSE CABINET AND FIRE DEPT. CONNECTION DETAIL

NOT TO SCALE

PUBLIC SAFETY BUILDING LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

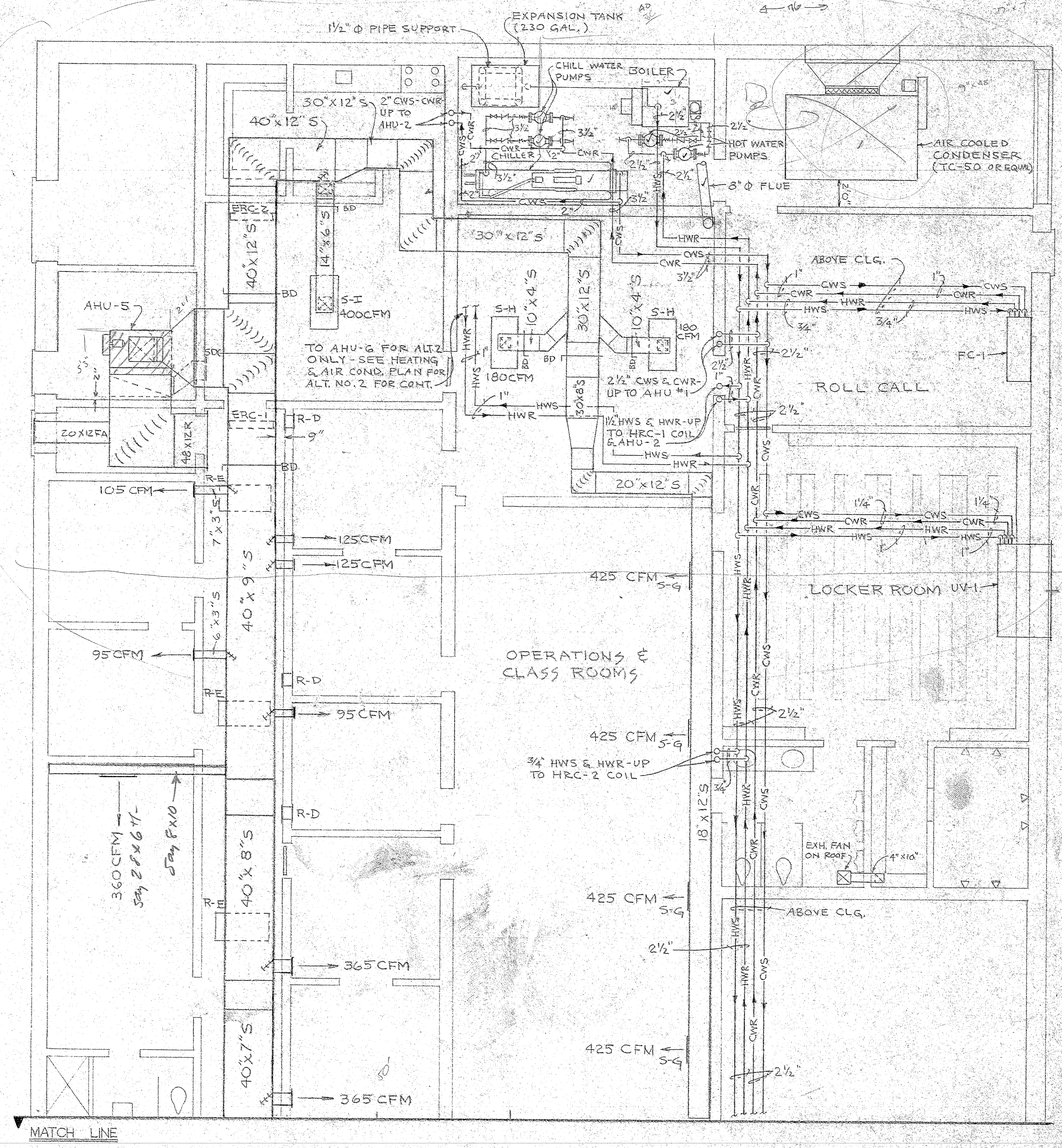
COMMONWEALTH OF VIRGINIA — ROBERT H. HINNANT — PROFESSIONAL ENGINEER — CERTIFICATE No. 44 — CERTIFIED PROFESSIONAL ENGINEER

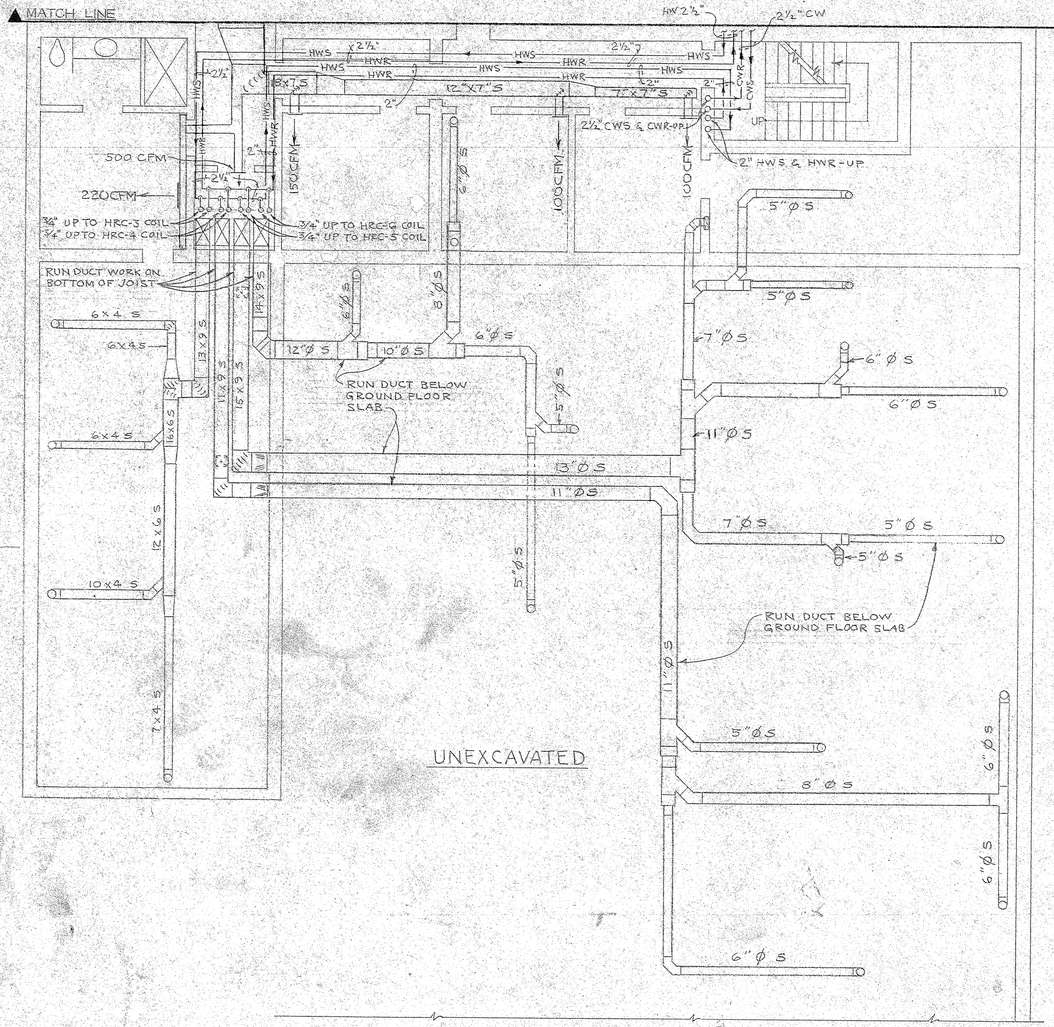
Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G.
6905	NOELL	12-1-70	25 OF 39

REVISIONS

BRUNING 40-105 11017





BASEMENT FLOOR PLAN
HEATING, VENTILATING & AIR-CONDITIONING PLAN
SCALE: 3/16" = 1'-0"

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

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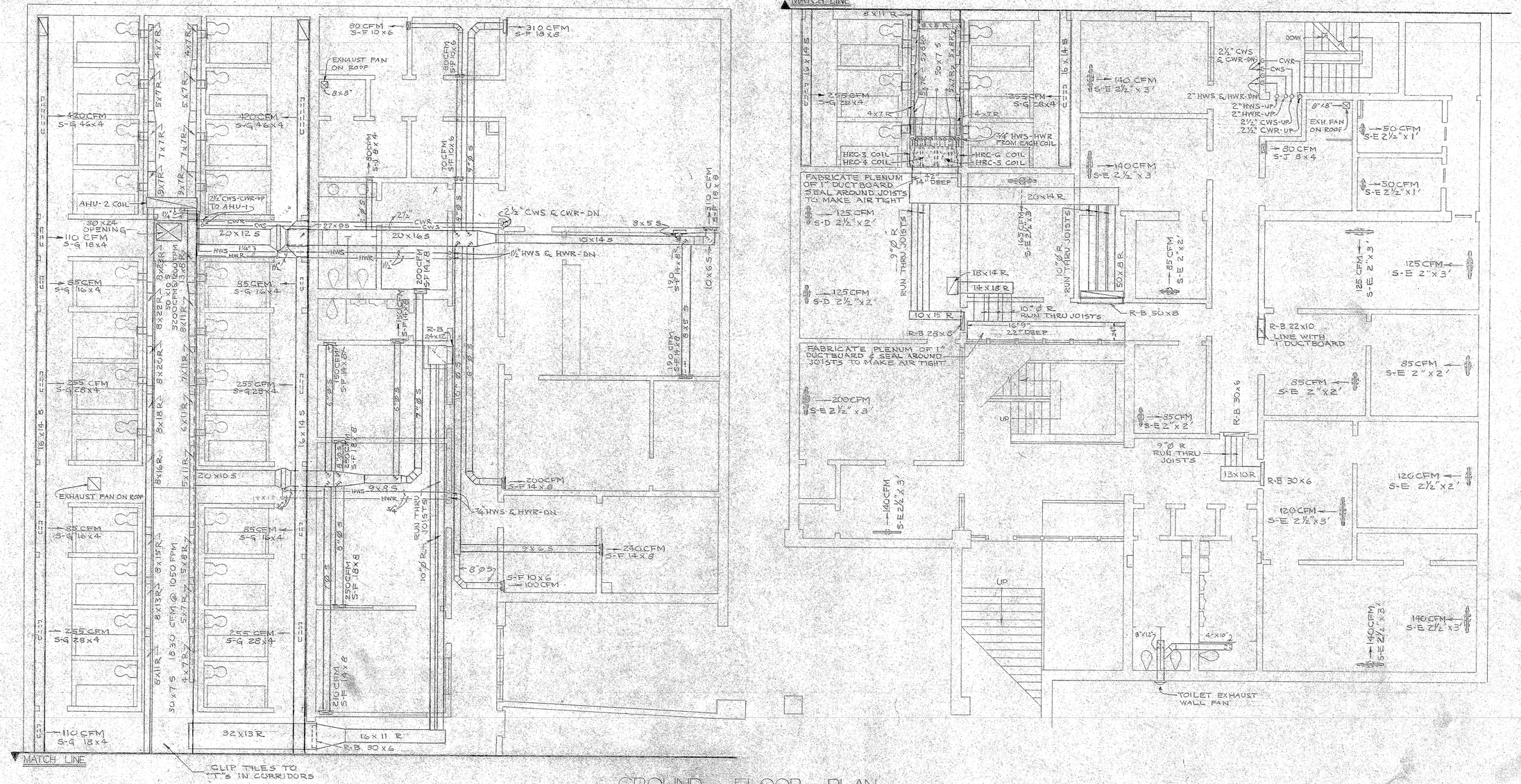
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REVISIONS

OF 39

BRUNING 40-105 11017



GROUND FLOOR PLAN
HEATING, VENTILATING, & AIR-CONDITIONING PLAN

SCALE: 3/16"=1'-0"

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

BILL J. ADDISON
CERTIFICATE No. 1149
CERTIFIED ARCHITECT

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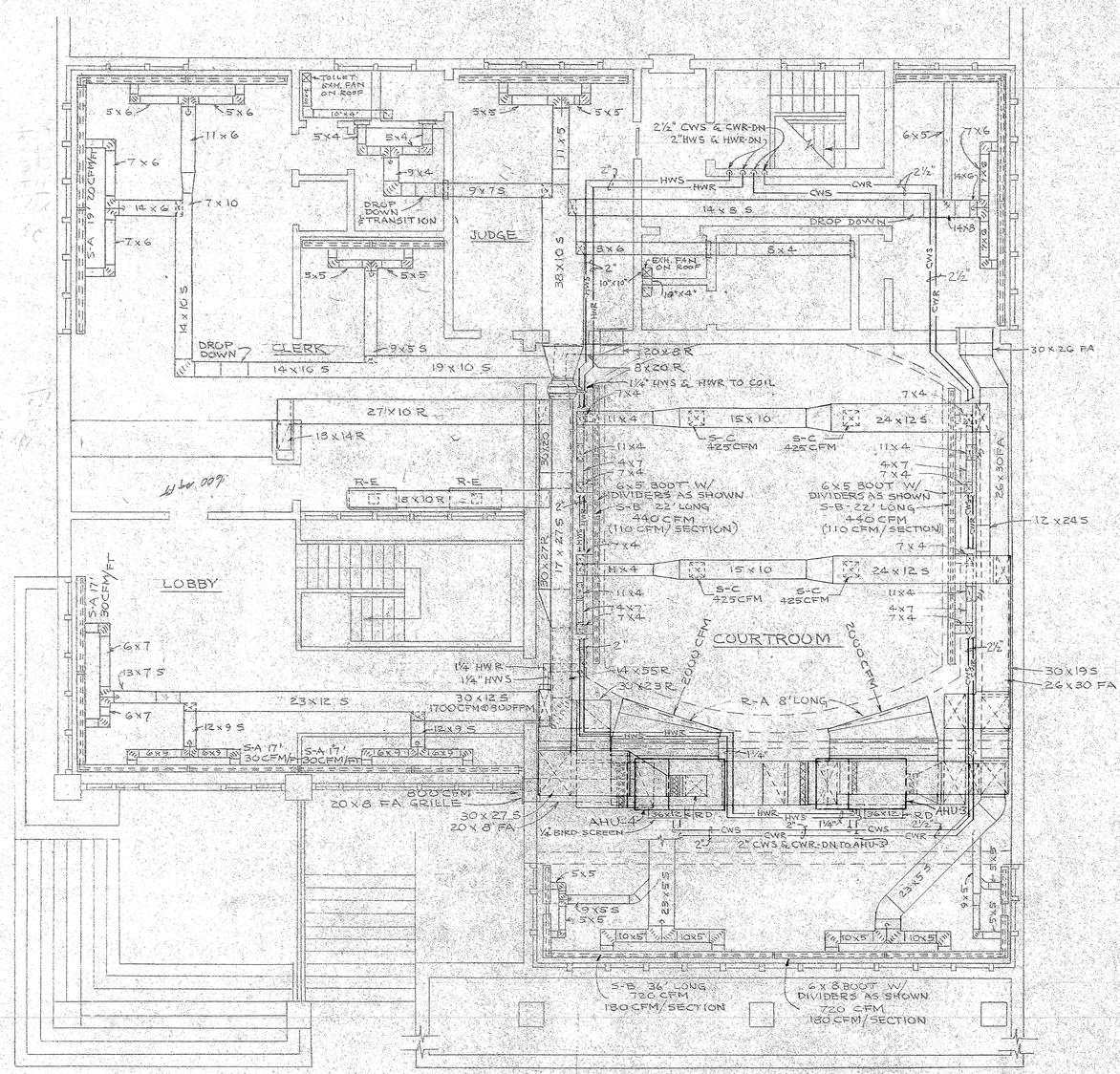
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6905	RYS & ELN	12-1-70	OF 39

REVISIONS

27

BRUNING 40-105 11017



FIRST FLOOR PLAN

HEATING, VENTILATING & AIR CONDITIONING PLAN

SCALE 3/16 = 1'-0"

PUBLIC SAFETY BUILDING — LYNCHBURG, VA.

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
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1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G
6905	ELN & RYS	12-1-70	28 OF 39

REVISIONS

BRUNING 40-105 11017

AIR CONDITIONING EQUIPMENT SCHEDULE

COMPRESSOR / CHILLER

MODEL	NOMINAL TONS	OPERATING TONS	GALLONS PER MIN.	COOLING SOLUTION	REFRIGERANT	ENTERING TEMP.	LEAVING TEMP.	FOULING FACTOR IN CHILLER	WATER GAGE MAX. P.D.	VOLTAGE
TRANE CG-75D	75	60	153	AQUEOUS SOLUTION 32% BY WT. ETHYLENE GLYCOL	R-22	55°F	45°F	.0005	9.4 FT.	480/60/3

CENTRIFUGAL FAN AIR COOLED CONDENSER

MODEL	NET TONS	MIN. SCFM	E.S.P.	MAX. B.H.P.	MOTOR H.P.	AMBIENT	MIN. O.A. OPERATION	MIN. COIL AREA	MAX. OUTLET VELOCITY	VOLTAGE
TRANE TC-50	60	34,100	1½"	17.04	20	95°F	50°F	48.2 SQ. FT.	2060 FPM	480/60/3

AIR HANDLING UNITS

UNIT NO.	MODEL	TOTAL SCFM	O.A. SCFM	ESP	MAX H.P.	MIN. COIL F.A.	COOLING COIL						HEATING COIL		
							TOTAL MBH	GPM	ENT. AIR D.B.	ENT. AIR W.B.	LVG. AIR D.B	LVG AIR W.B.	MBH	EAT	LAT
AHU-1	NO. 10	5622	1900	3½"	7½	9.37	264.0	54	80.9°F	67.6°F	55.0°F	54.0°F	SEE REHEAT COIL SCHEDULE		
AHU-2	NO. 6	3150	900	1½"	3	5.62	120.0	26	80.7°F	67.2°F	55.0°F.	54.0°F.	138	70°	127°
AHU-3	NO. 8	4030	1500	2"	3	7.50	188.4	40	82.4°F	68.6°F	55.0°F	54.0°F	170	44°	83°
AHU-4	NO. 8	4230	600	2"	3	7.50	142.0	24	77.8°F	65.0°F	55.0°F.	54.0°F	SEE REHEAT COIL SCHEDULE		
AHU-5	NO. 10	5700	1335	2½"	5	9.37	138.0	—	79.7°F	66.4°F	55.0°F	54.0°F	SEE REHEAT COIL SCHEDULE		
AHU-6	BU-70	3000	850.	½"	1	6.5	90.0	—	80.7°F	67.2°F	55.0°F	54.0°F.	67	50°	71°

UNIT VENTILATOR

UNIT NO.	MODEL	TOTAL SCFM	O.A. SCFM	TOTAL COOLING MBH	ENTERING WATER TEMP.	GPM	ENTERING AIR D.B.	ENTERING AIR W.B.	TOTAL HEATING MBH	ENTERING AIR TEMP	LEAVING AIR TEMP
UV-1	CD312D2	1250	563	40.4	45°	10	85°	67°	48.6	41°	77°

FAN COIL UNIT

UNIT NO.	MODEL	NOMINAL CFM	COIL E.A.T.		COIL ENT. WATER			COIL CAPACITY MBH & TH	E.A.T.	COIL ENT. WATER			COIL CAPACITY MBH
			DB	WB	TEMP.	GPM	P.D.			TEMP.	GPM	P.D.	
FC-1		800	85	71	45	5.5	20.0	20.0	35	200	3.0	4.0	25.0
		COOLING CAPACITY							HEATING CAPACITY				

HYDRONIC RE-HEAT COIL SCHEDULE

UNIT NO.	TOTAL MBH	TOTAL AIR CFM	OUTSIDE AIR CFM	ENT. AIR TEMP.	FACE DIMENSIONS	MAX. FACE VEL.	GPM	ZONE
HRC-1	70.9	1230	400		18 x 24	600 FT/MIN	7.19	DETECTIVE
HRC-2	30.0	1210	396		18x18	do	3.0	INNER
HRC-3	23.0	590	194		12 x 18	do	2.3	CHIEF
HRC-4	24.7	520	168		12x18	do	2.47	TRAFFIC
HRC-5	32.3	600	196		9x18	do	3.23	JUVENILE
HRC-6	19.3	615	200		9x18	do	1.93	VICE
HRC-7	90.0	1500	200		12x30	do	9.0	LOBBY
HRC-8	91.5	2640	300		24x30	do	9.15	JUDICIAL

ELECTRIC RE-HEAT COIL SCHEDULE

UNIT NO.	TOTAL MBH	TOTAL AIR CFM	OUTSIDE AIR CFM	ENT. AIR TEMP.	FACE DIMENSIONS	MAX. FACE VEL.	ZONE	KW	VOLTS	PHASE
ERC-1	67	3580	840		40"x12"	800	EOC	18.5	480	3
ERC-2	72	2220	490		40" x9"	800	EOC	20	480	3
ERC-3									480	3

AIR-COOLED CONDENSING UNITS

UNIT NO.	NOM. TONS	AMBIENT	MAX. KW INPUT	VOLTAGE	MODEL	ALT. NO.
CU-1	7.5	95°	12.0	480/60/3	RAS-8	2
CU-2	12.5	95°	20.0	480/60/3	RAS-12	1

NOTES

1. WHEREVER "TRANE" IS SHOWN IT IS TO BE UNDERSTOOD THAT "OR APPROVED EQUAL" IS ALSO INFERRED.
2. THE DESIGN HOT WATER TEMPERATURE USED FOR HEATING IS 210°F LEAVING BOILER WITH A 20° DROP & AVG. OF 200°.
3. COOLING CAPACITIES FOR AHU-1 THRU AHU-4 ARE BASED ON 45° ENTERING AQUEOUS SOLUTION OF 32% BY WT. ETHYLENE GLYCOL.
4. AHU-5 & AHU-6 ARE DX UNITS.
5. AHU-1 & AHU-2 TO HAVE HIGH EFFICIENCY MIXING BOXES.

RETURN AIR FAN

SCFM	ESP	FAN DIA.	MAX. B.H.P.	MOTOR H.P.
5622	3½"	21"	4.61	5

ALTERNATE 1 ONLY

ALTERNATE 2 ONLY

BRUNING 40-105 11017

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

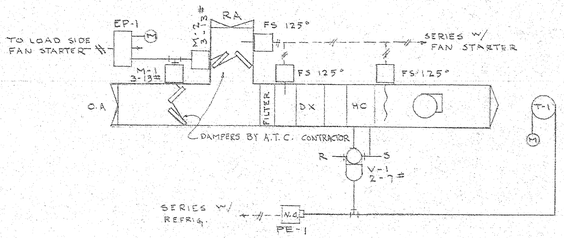
COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — CERTIFIED ARCHITECT

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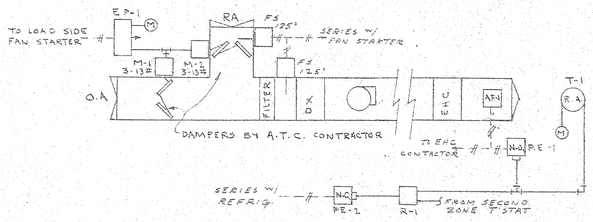
Hinnant, Addison and Hinnant
ARCHITECT AND ENGINEERS
1022 COURT ST. LYNCHBURG, VIRGINIA

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6905	RHH & RYS	12-1-70	OF 39 29

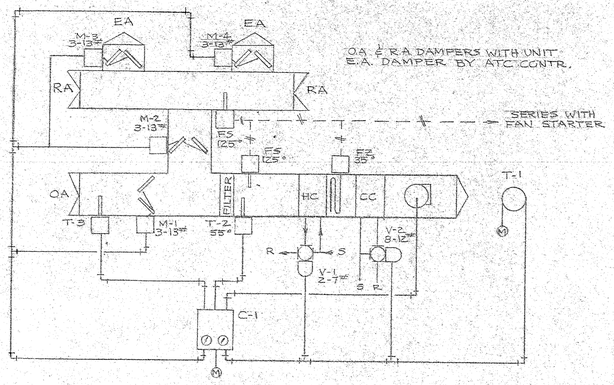
REVISIONS



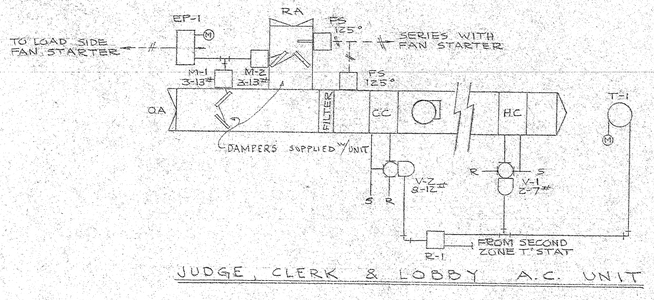
E.O.C. A.C. UNIT - ALT. 2



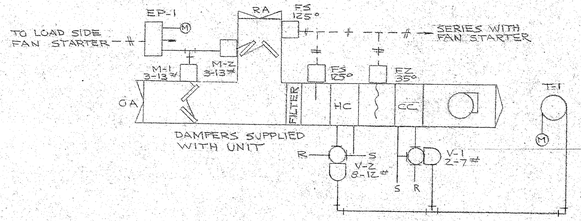
E.O.C. A.C. UNIT - ALT. 1



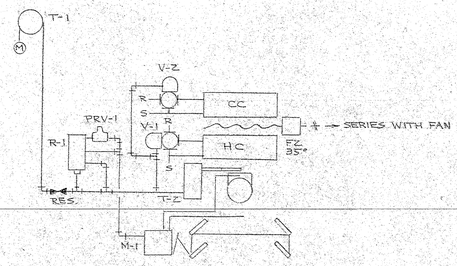
COURTROOM A.C. UNIT CONTROL



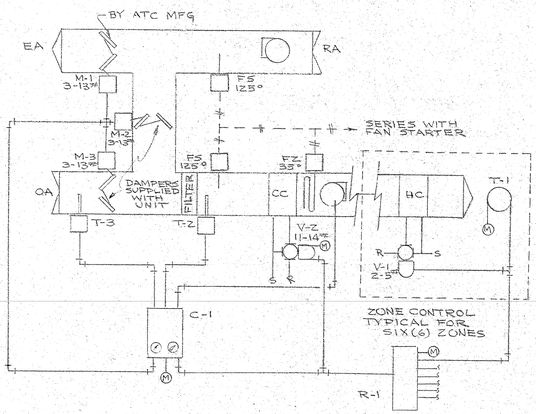
JUDGE, CLERK & LOBBY A.C. UNIT



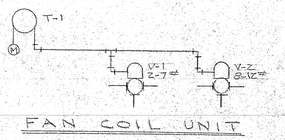
CELL BLOCK A.C. UNIT



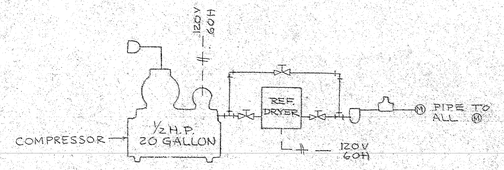
UNIT VENTILATOR CONTROL



GROUND FLOOR OFFICE A.H. UNIT CONTROL



FAN COIL UNIT



A.T.C. AIR SUPPLY

HEATING, VENTILATING & AIR CONDITIONING
CONTROL DIAGRAMS

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA
BILL J. ADDISON
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CERTIFIED ARCHITECT

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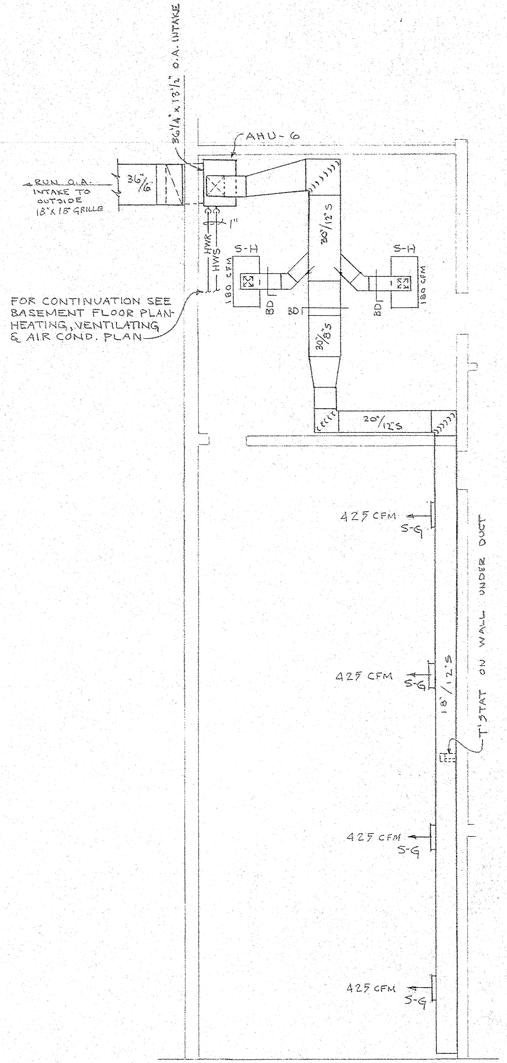
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1022 COURT ST. LYNCHBURG, VIRGINIA

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HEATING & AIR CONDITIONING PLAN

FOR ALT. NO. 2

SCALE: 3/16" = 1'-0"

BRUNING 40-105 10/17

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

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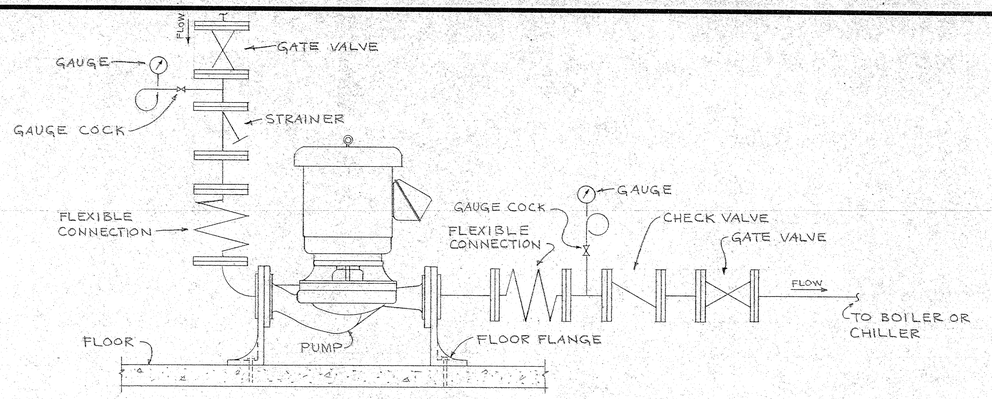
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COMM NO	DRAWN BY	DATE	DRW'G.
6905	ELN	12-1-70	31

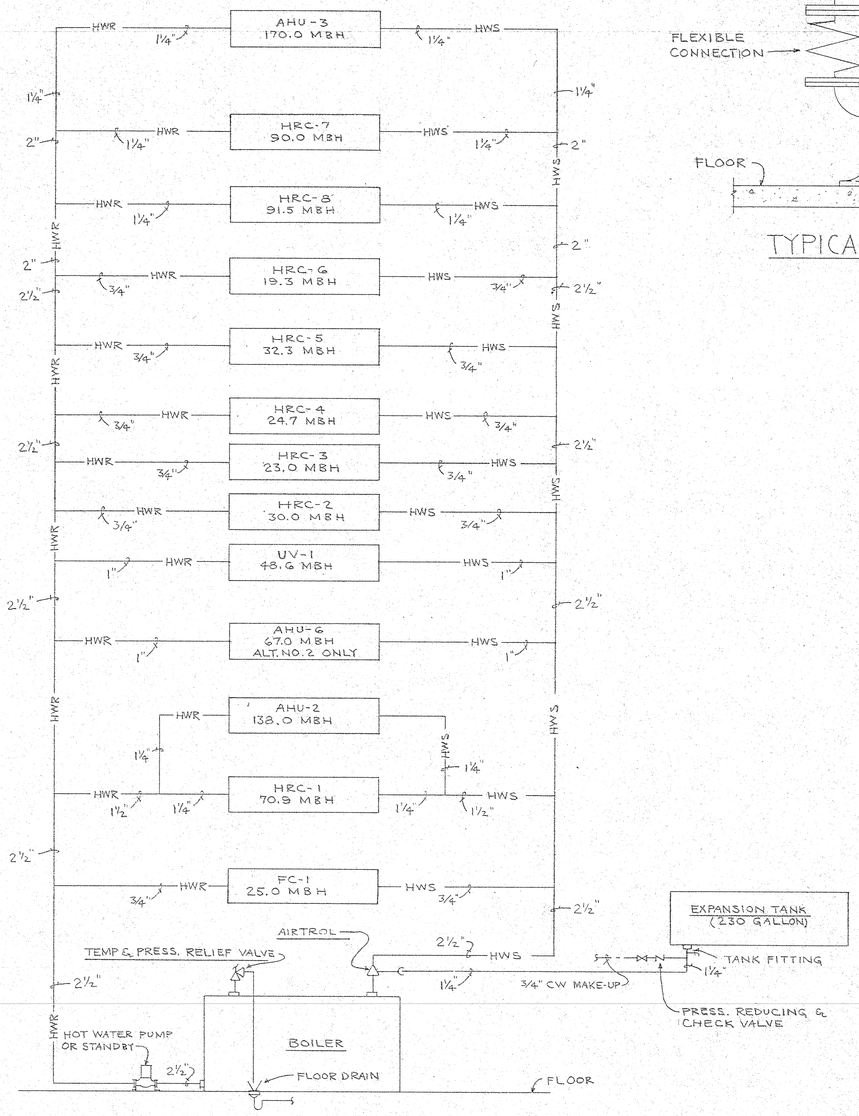
REVISIONS

OF 39



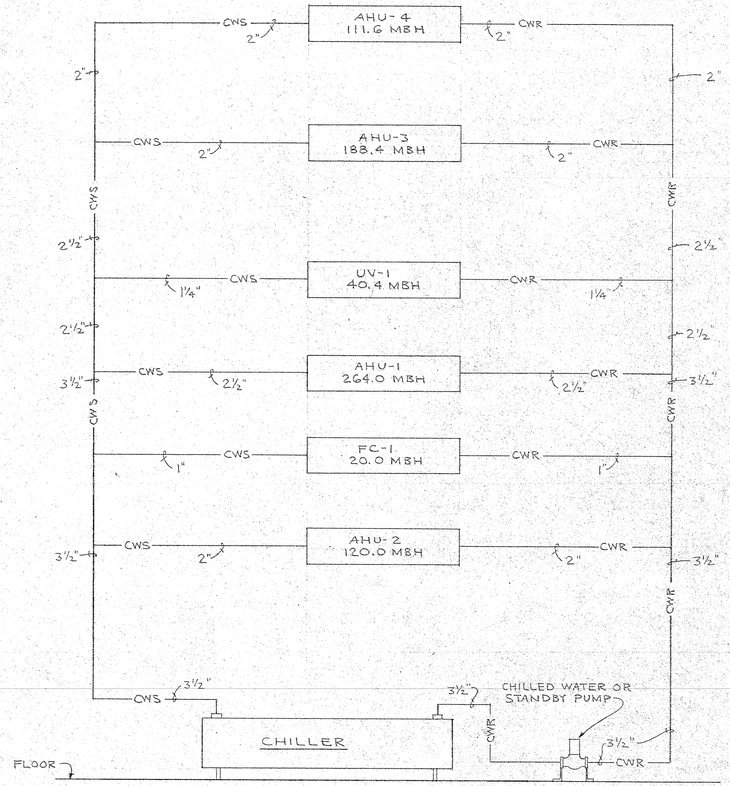
TYPICAL PUMP PIPING DETAIL

NOT TO SCALE



HOT WATER SCHEMATIC PIPING DIAGRAM

NOT TO SCALE



CHILLED WATER SCHEMATIC PIPING DIAGRAM

NOT TO SCALE

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

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REVISIONS

OF 39

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RECEPTACLES OVER KITCHEN COUNTERS TO BE MOUNTED 3'6" ABOVE FLOOR

DUSK TO DAWN SW.

BOILER ROOM

MECH. ROOM

GEN.

ATS

MTS

EMERGENCY SERVICES

DINING & CONFERENCE

EQUIP.

EXECUTIVE

ROLL CALL

C.D. COORD.

W.D.A.&R.M.

P.I.O.

E.B.S.

LIAISON

R.A.D.E.F.

OPERATIONS & CLASS ROOMS

COMMUNICATIONS

MEN'S BUNKING

LOCKER ROOM 150 LOCKERS

TOILET

SHOWER

UNEXCAVATED

FAID MTD. TRANSF. BY POWER CO.

MATCH LINE

MATCH LINE

WOMEN

WELFARE

POLICE

RESCUE

ELECTRICAL ROOM

TELEPHONE ROOM

UNFINISHED AREA
BASE BID ONLY

BASEMENT FLOOR PLAN
ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

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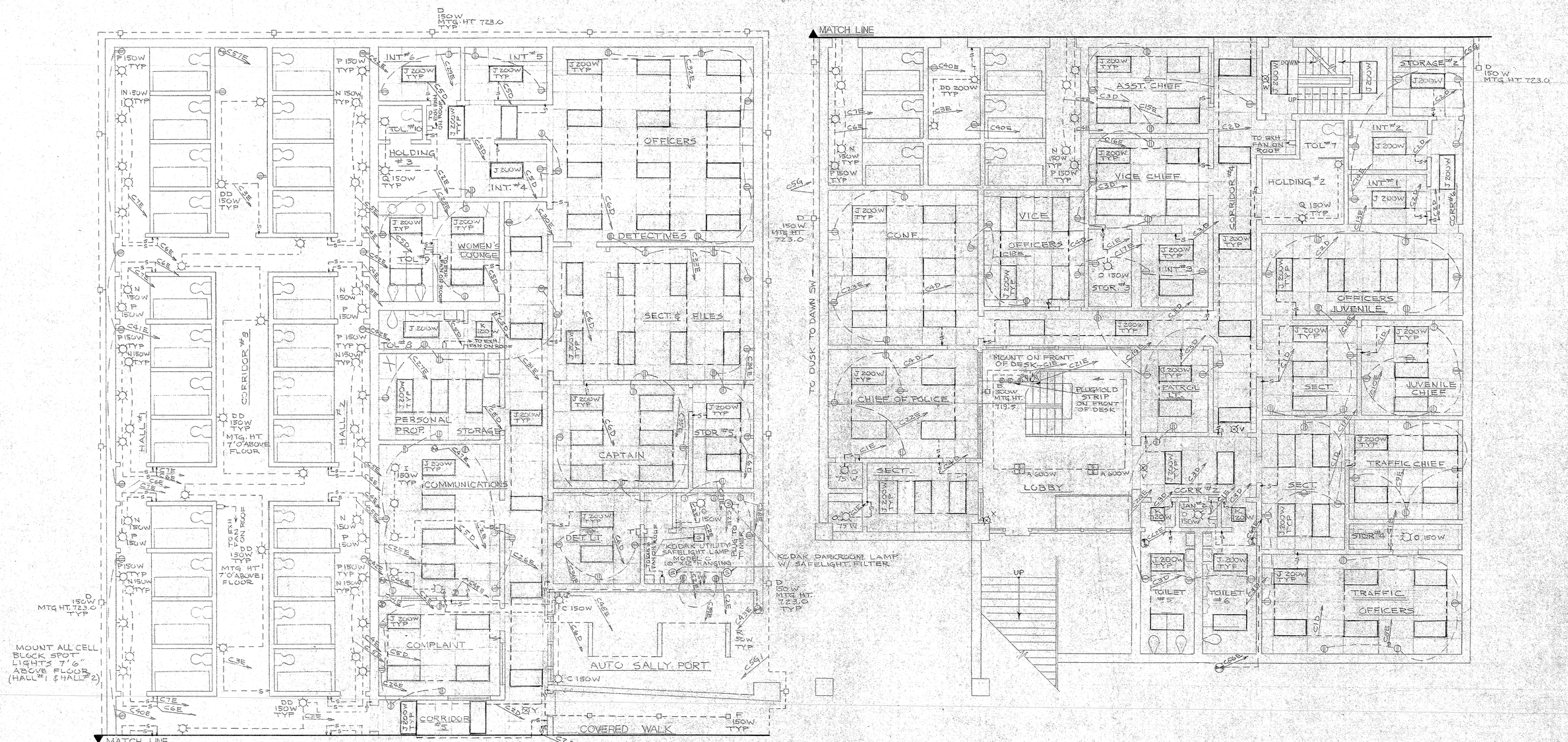
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COMM NO	DRAWN BY	DATE	DRW'G
6905	RYS	12-1-70	33 OF 33

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BRUNING 40-105 11017



GROUND FLOOR PLAN
ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

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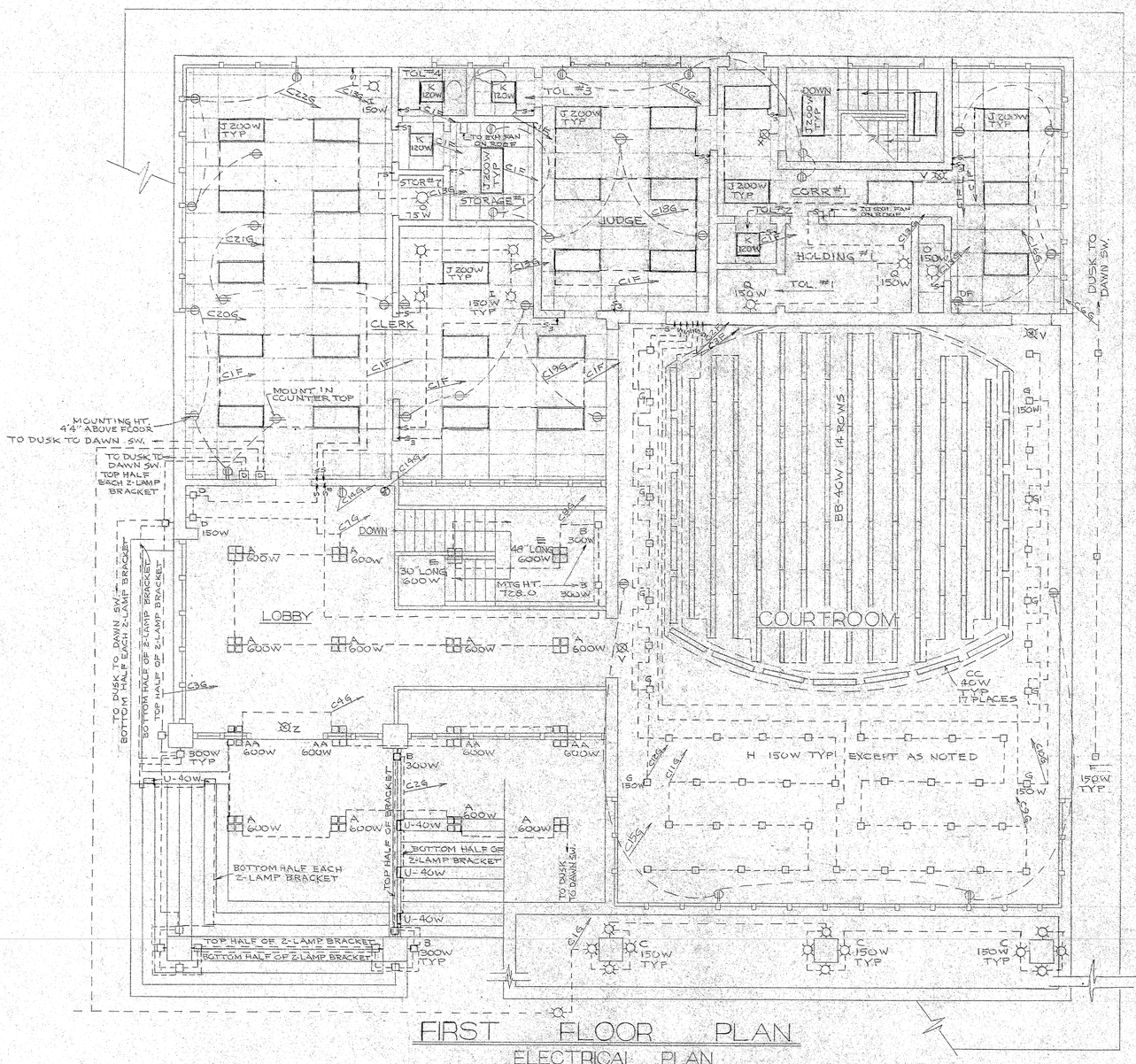
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1022 COURT ST. LYNCHBURG, VIRGINIA

COMM NO	DRAWN BY	DATE	DRW'G
6905	RYS	12-1-70	34 OF 35

REVISIONS

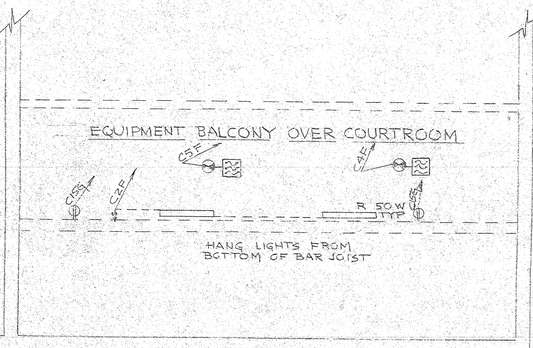
BRUNING 40-105 10/17



FIRST FLOOR PLAN

ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"



LEGEND

SYMBOL	MEANING
L-2-A	CIRCUIT NO. 2 PANEL A
L 200 W	FLUORESCENT LIGHT FIXTURE TYPE "L" 200 W
TYP.	TYPICAL
	INCANDESCENT LIGHT (CEILING)
	INCANDESCENT LIGHT (WALL BRACKET)
	EXIT LIGHT
	QUADRILLE 6 WITH QUAD MOUNTING KIT
	QUADRILLE 6 SURFACE OR RECESSED SINGLE UNIT
	QUADRILLE 6 WALL BRACKET
S	LIGHT SWITCH
S3	3 WAY LIGHT SWITCH
	POWER OUTLET
	FUSED DISCONNECT
	WALL MOUNTED RECEPTACLE
	FLOOR RECEPTACLE
	MOTOR STARTER WITH RED LIGHT INDICATING SW.
	ELECTRONIC DIMMER

PUBLIC SAFETY BUILDING — LYNCHBURG, VIRGINIA

COMMONWEALTH OF VIRGINIA — BILL J. ADDISON — CERTIFICATE No. 1149 — REGISTERED ARCHITECT

COMMONWEALTH OF VIRGINIA — ROBERT H. HINNANT — PROFESSIONAL ENGINEER — CERTIFICATE No. 44 — CERTIFIED PROFESSIONAL ENGINEER

Hinnant, Addison and Hinnant

ARCHITECT AND ENGINEERS

1022 COURT ST. LYNCHBURG, VIRGINIA

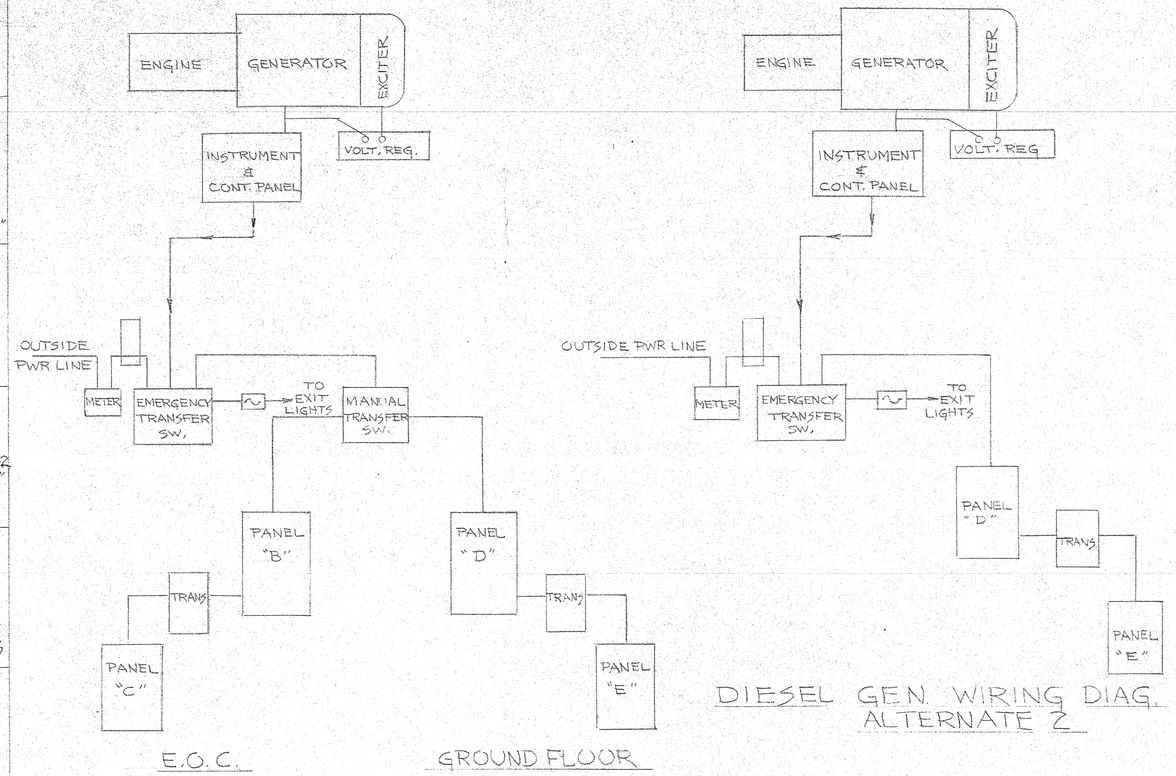
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6905	RYS	12-1-70	35 OF 39

REVISIONS

BRUNING 40-105 11017

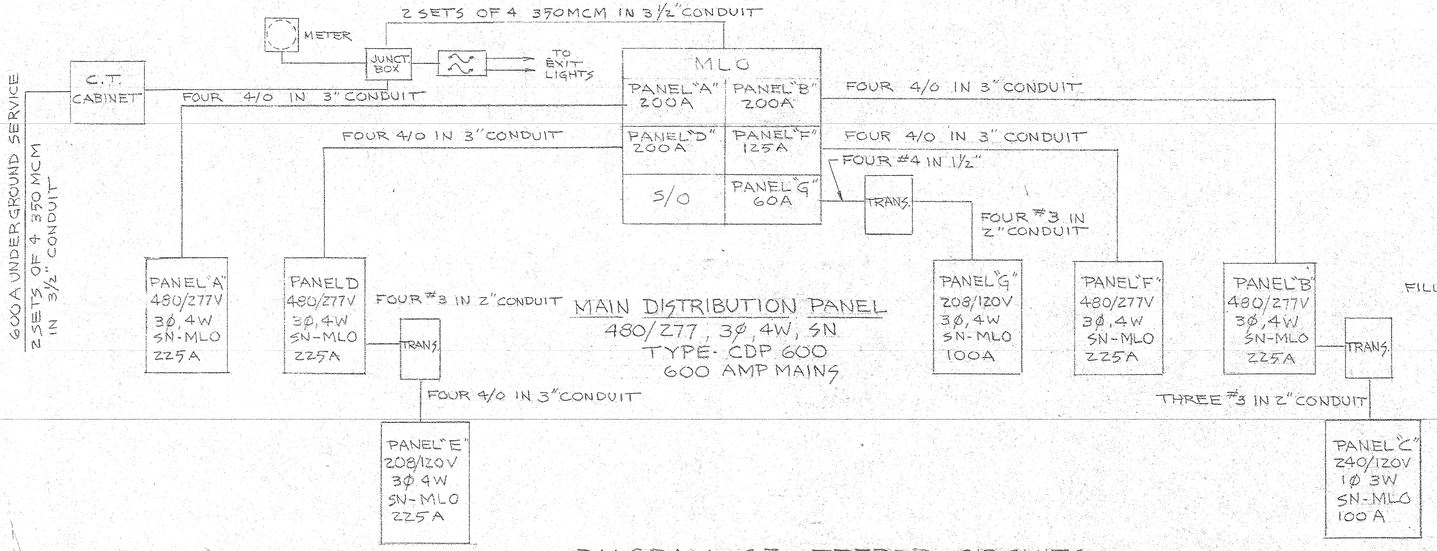
SCHEDULE OF BRANCH CIRCUIT PANELBOARDS

PANEL	CIRCUITS	NO.	AMPS	POLES	FRAME	VOLTS	MAINS	TYPE	TRIM	WIRE SIZE, TYPE	DEVICE
PANEL "A"	1	1	175	3	CA	480	225	CDP	SURFACE	3, THW	COMPRESSOR/CHILLER
480/277V	2	1	100	3	EB	480				3, THW	AIR COOLED COND.
3Ø, 4W	3 & 4	2	20	3	EB	480				12, THW	CHILLED WATER PUMPS
SN - MLO											
225 AMP											
CDP											
PANEL "B"	1 & 3	2	20	1	EH	277	225	NDP	SURFACE	12, THW	FLUOR. LIGHTS
480/277V	2	1	30	1	EH	277				10, THW	FLUOR. LIGHTS
3Ø, 4W	4	1	60	3	EH	480				6, THW	WATER HEATER
SN - MLO	5 & 6	2	20	3	EH	480				12, THW	AHU-5 & PUMP
225 AMP	7 - 9	3	30	3	EH	480				10, THW	IN-DUCT HTRS. & CU-2
NDP 480		1	100	2	EH	480				3, THW	TRANS. FEEDER-PANEL "C"
PANEL "C"	1	1	20	1	EB	120	100	NDP	SURFACE	12, THW	INCAND. LIGHTS
240/120V	2 - 22	21	20	1	EB	120				12, THW	RECEPTACLES
1Ø, 3W	23	1	30	1	EB	120				10, THW	RECEPTACLES
SN - MLO	24-26 & 28	1	20	1	EB	120				12, THW	PUMPS, FAN & G.D.
100 AMP	27	1	40	2	EB	240				8, THW	RANGE
NDP 250											
PANEL "D"	1 - 5	5	20	1	EH	277	225	NDP	SURFACE	12, THW	FLUOR. LIGHTS
480/277V	6 & 7	2	30	1	EH	277				10, THW	FLUOR. LIGHTS
3Ø, 4W	8	1	70	3	EH	480				4, THW	WATER HEATER
SN - MLO	9 - 13	5	20	3	EH	480				12, THW	PUMPS, FAN, AHU-1 & AHU-2
225 A	14	1	90	3	EH	480				3, THW	TRANS. FEEDER-PANEL "E"
NDP 480											
PANEL "E"	1, 2, 5 & 7	4	20	1	EB	120	225	NDP	SURFACE	12, THW	INCAND. LIGHTS
208/120V	3, 4 & 6	3	30	1	EB	120				12, THW	INCAND. LIGHTS
3Ø, 4W	9 - 42 & 49 - 51	37	20	1	EB	120				12, THW	RECEPTACLES
SN - MLO	42 & 48	2	20	1	EB	120				12, THW	ELECTRIC DOORS
225 A	44 - 47	4	20	1	EB	120				12, THW	COMM. EQUIP.
NDP 250-DOUBLE	52 - 61	10	20	1	EB	120				12, THW	PUMPS, COMPRESSOR, FANS
PANEL "F"	1	1	30	1	EH	277	100	NDP	SURFACE	10, THW	FLUOR. LIGHTS
480/277V	2 & 3	2	20	1	EH	277				12, THW	FLUOR. LIGHTS
3Ø, 4W	4 & 5	2	20	3	EH	480				12, THW	AHU-3 & AHU-4
SN - MLO											
100 A											
NDP 480											
PANEL "G"	1 - 12	12	20	1	EB	120	100	NDP	SURFACE	12, THW	INCAND. LIGHTS
208/120V	13 - 22	10	20	1	EB	120				12, THW	RECEPTACLES
3Ø, 4W											
SN - MLO											
100 A											
NDP 250											



DIESEL GEN. WIRING DIAG. ALTERNATE 1

DIESEL GEN. WIRING DIAG. ALTERNATE 2



MAIN DISTRIBUTION PANEL
480/277, 3Ø, 4W, SN
TYPE - CDP 600
600 AMP MAINS

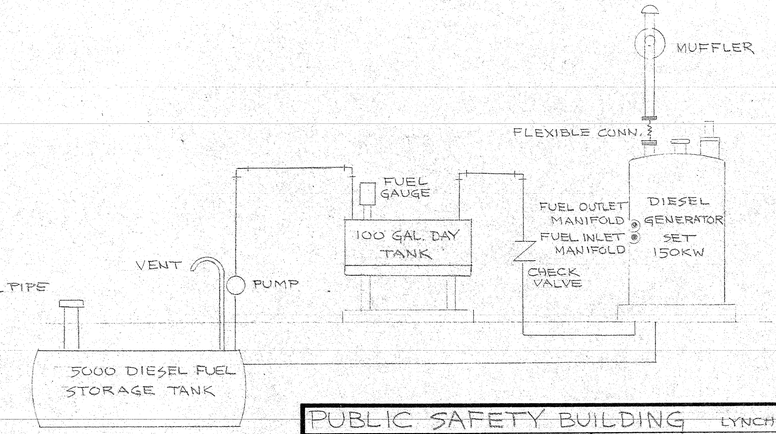


DIAGRAM OF FEEDER CIRCUITS

PUBLIC SAFETY BUILDING LYNCHBURG, VIRGINIA

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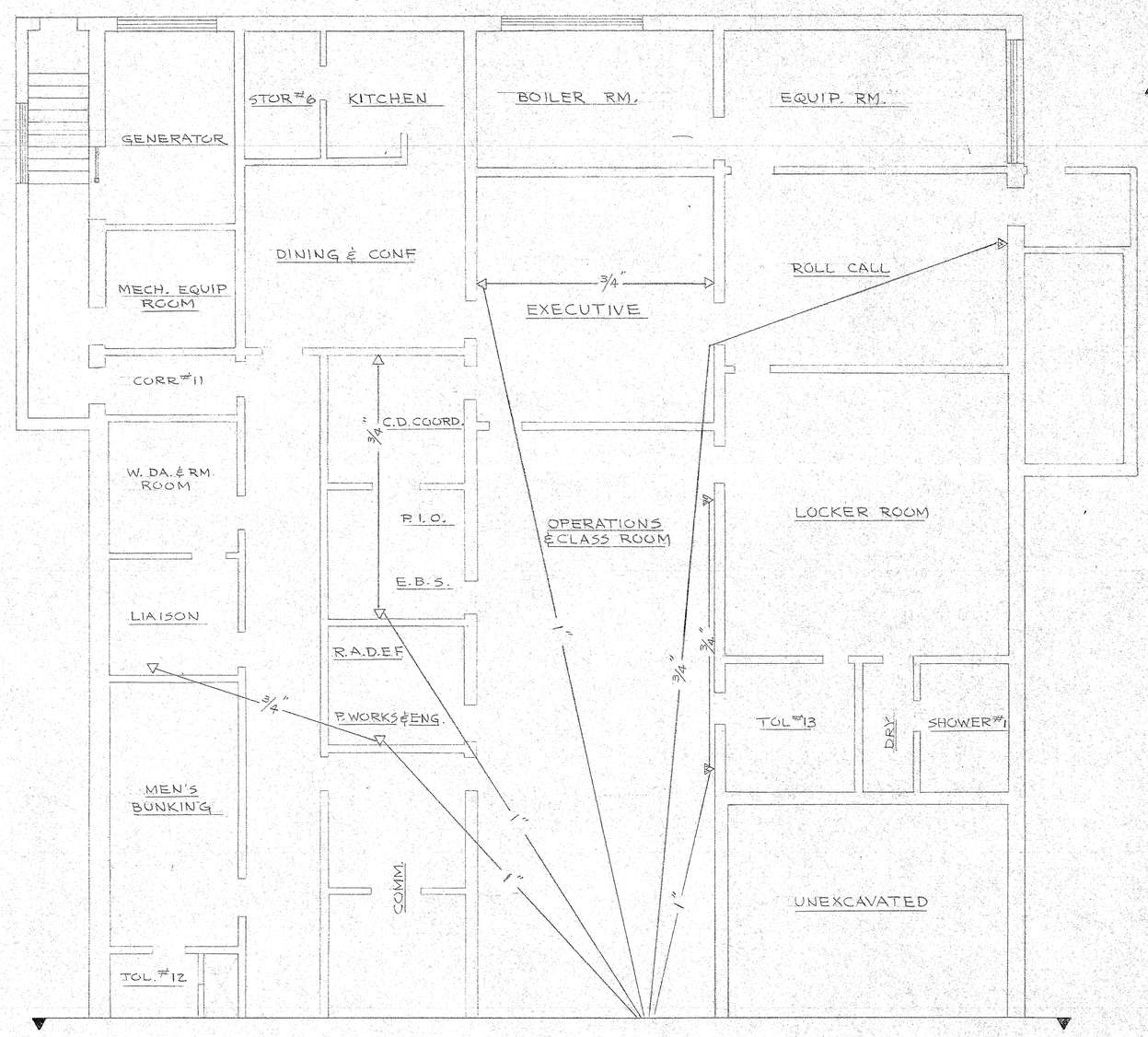
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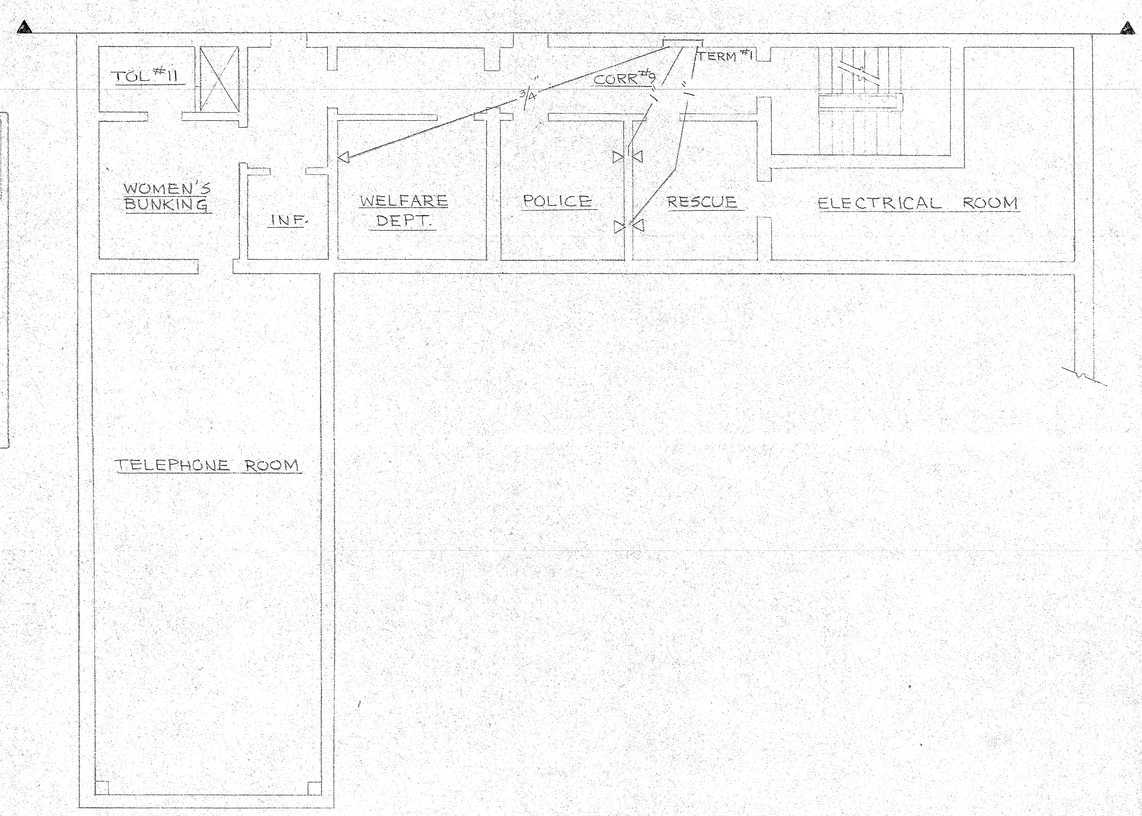
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6905	RYS	12-1-70	36 OF 39

REVISIONS

BRUNING 40-105 11017





BASEMENT FLOOR PLAN
COMMUNICATIONS PLAN

SCALE 3/16"=1'-0"

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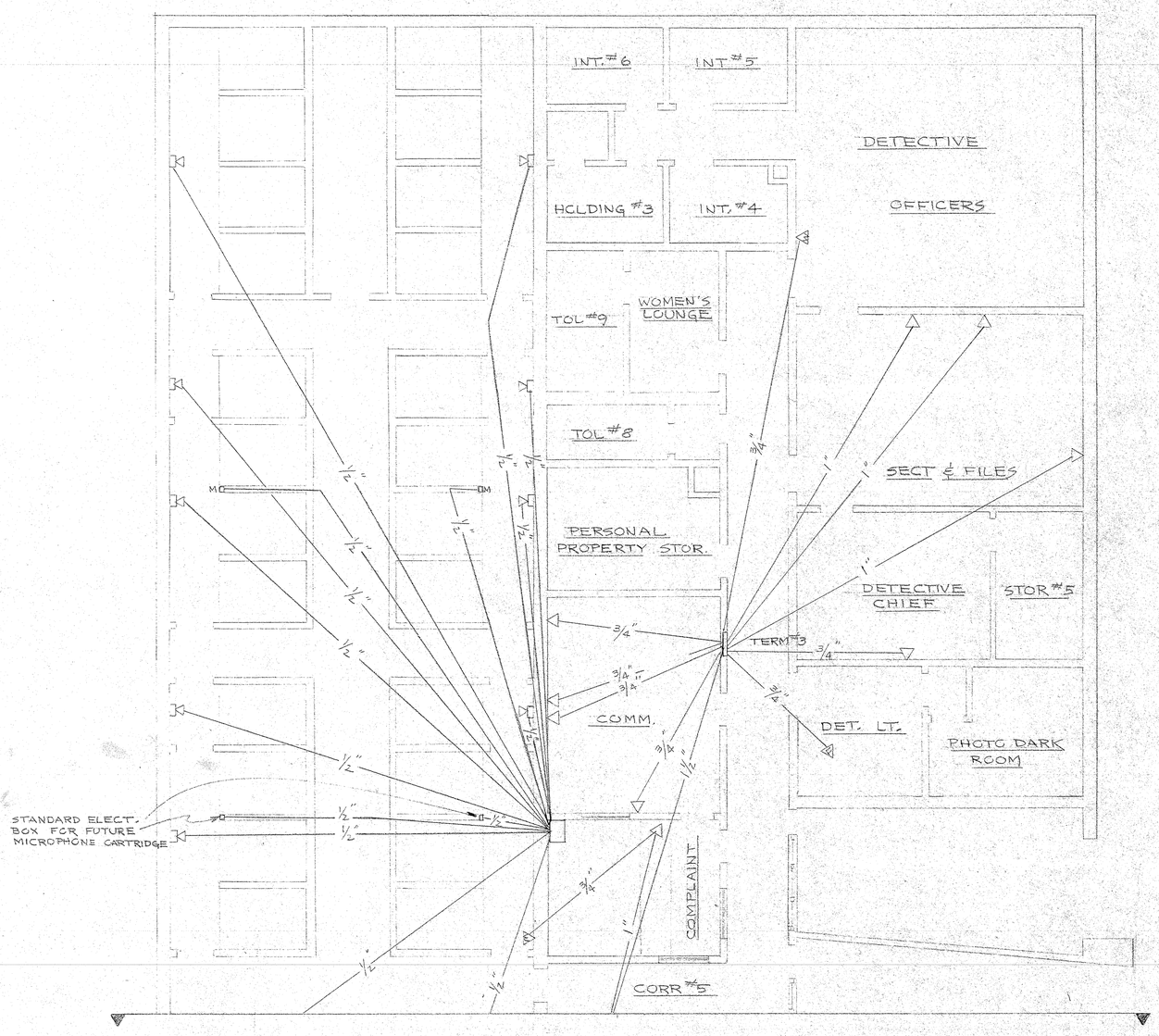
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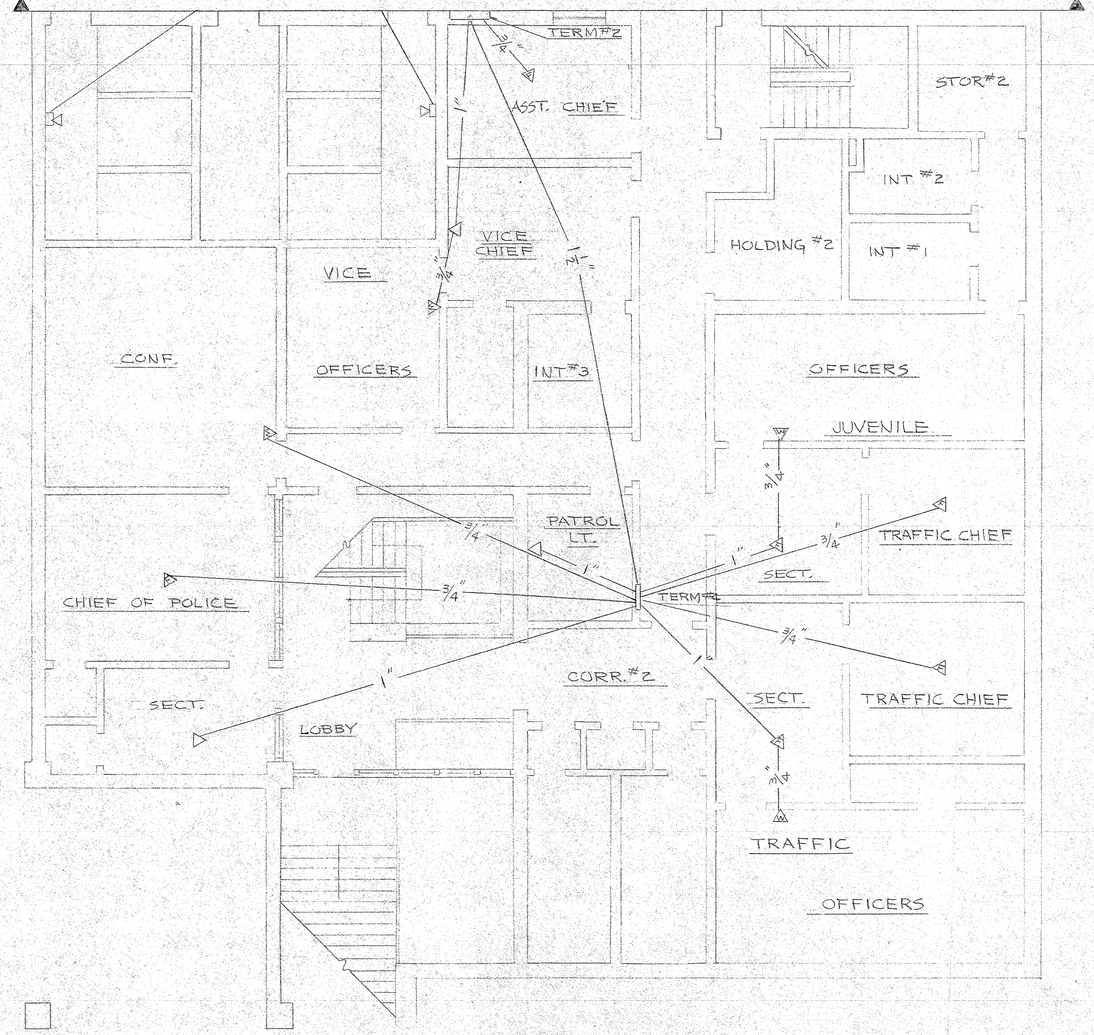
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6905	D.YS	12-1-70	35 OF 37

REVISIONS

BRUNING 40-105 11017





GROUND FLOOR PLAN
COMMUNICATIONS PLAN

SCALE: 3/16" = 1'-0"

PUBLIC SAFETY BUILDING LYNCHBURG, VIRGINIA

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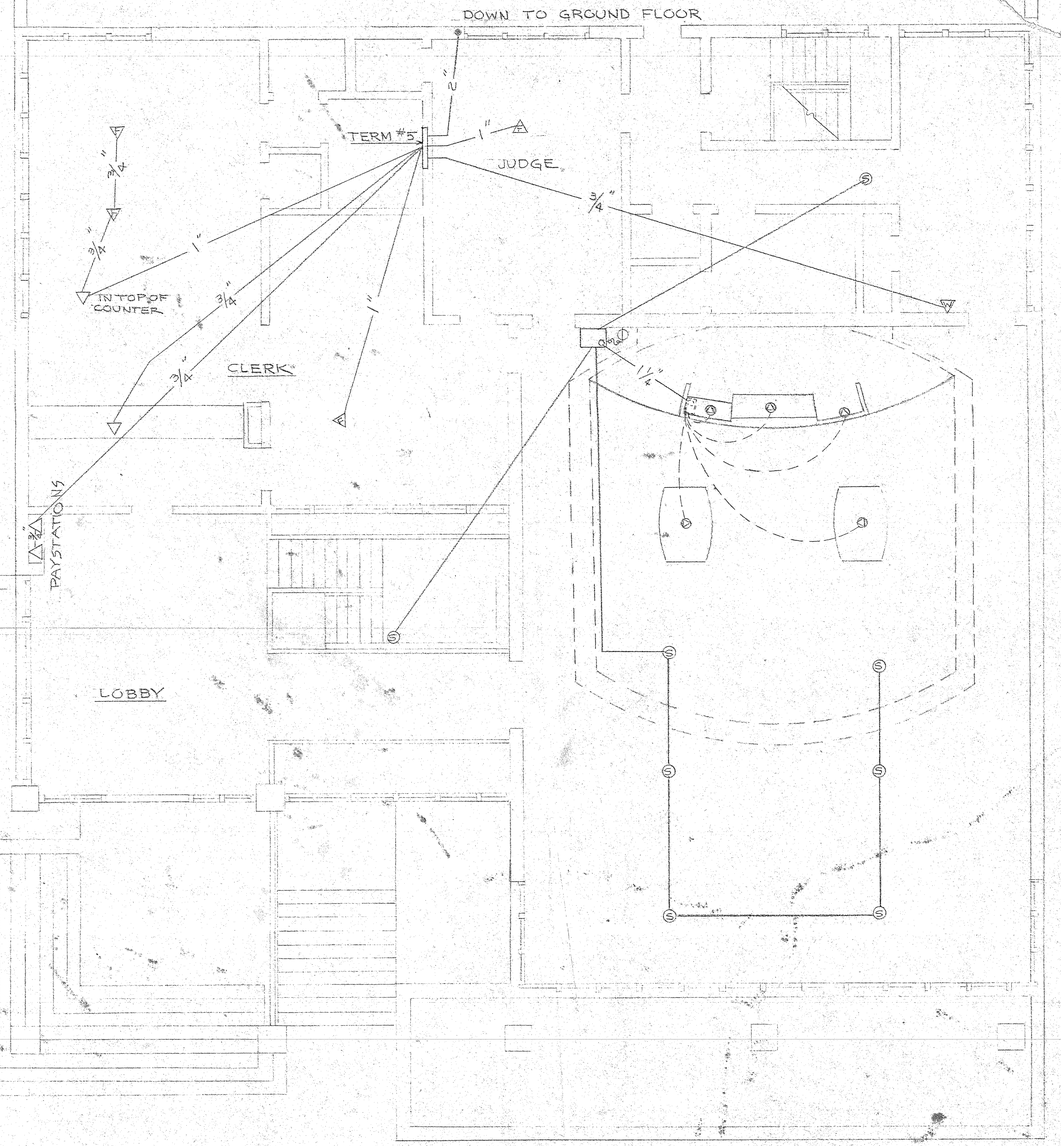
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1. RISER CONDUIT E / BETWEEN FLOORS
2. 2" CONDUIT FROM EQUIPMENT LOCATION TERMINAL PANEL OR RISER CONDUIT
3. 2" CONDUIT FROM EQUIPMENT ROOM TO BUILDING FOR ENTRANCE CABLE - CONDUIT OF 2" BELOW FINAL GRADE
4. TERMINAL SIZE
   - A - TERM #1 — 36" x 36" x 4"
   - B - TERM #2 — 36" x 36" x 4"
   - C - TERM #3 — 24" x 30" x 4"
   - D - TERM #4 — 24" x 30" x 4"
   - E - TERM #5 — 36" x 36" x 4"
5. 3/4" PLYWOOD BACKBOARDS REQUIRED IN TERM

LEGEND

SYMBOL — DEVICE

- △ — TELEPHONE OUTLET (18" MTG HEIGHT
- ▲ — WALL MOUNTED TELEPHONE OUTLET (4'6" MTG HT.
- ▲ — FLOOR TELEPHONE OUTLET
- ▯▯ — WALL MOUNTED SPEAKER
- Ⓢ — CEILING SPEAKER
- Ⓜ — MICROPHONE
- CM — MONITORING DEVICE

PUBLIC SAFETY BUILDING

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102