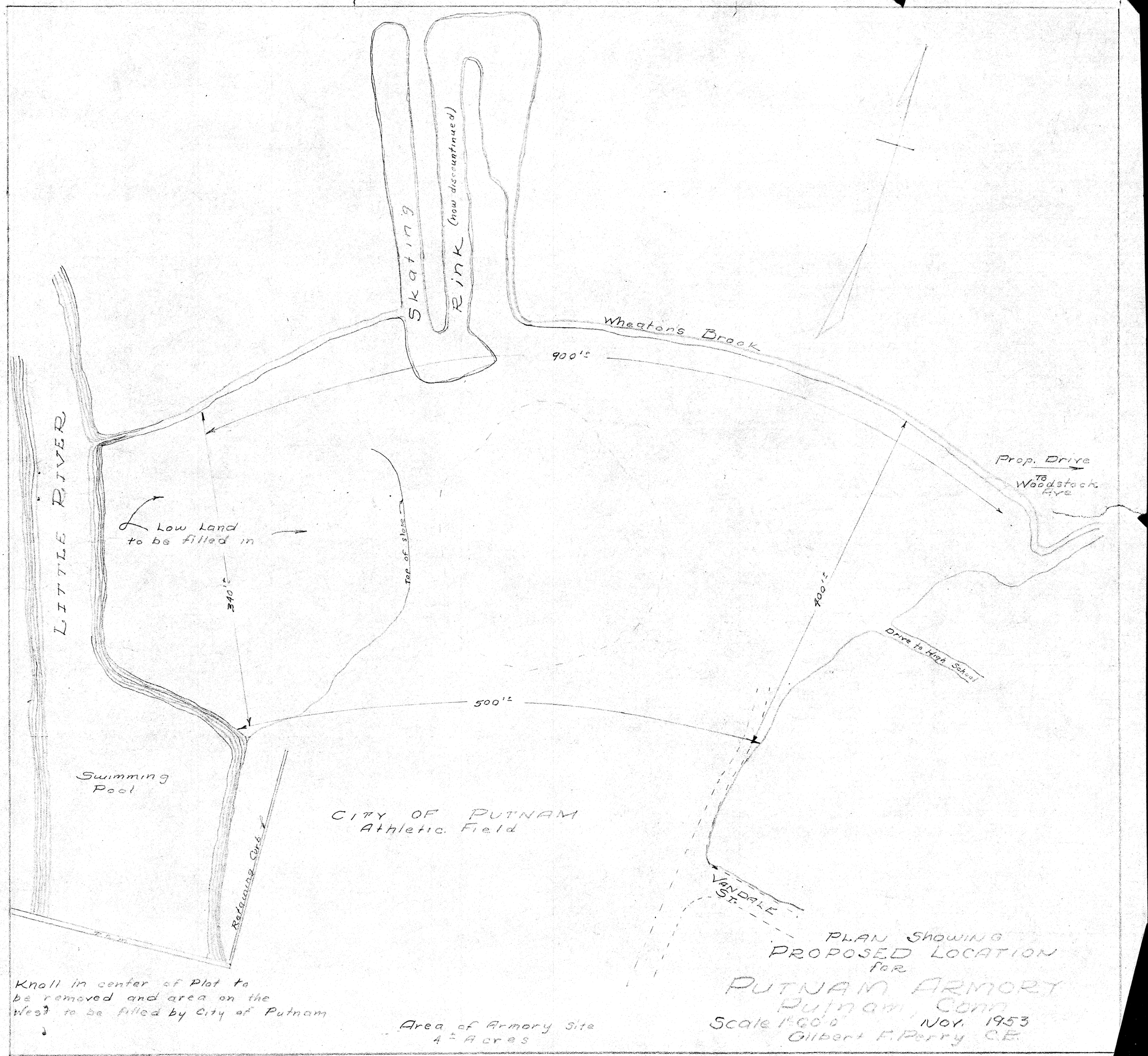

Skating Rink (now discontinued)
Wheaton's Brook
900'±
LITTLE RIVER
Prop. Drive To Woodstock Ave
Low Land to be filled in
Top of slope
340'±
400'±
Drive to High School
500'±
Swimming Pool
CITY OF PUTNAM
Athletic Field
Retaining Curb
VAN DALE ST.
Knoll in center of Plot to be removed and area on the West to be filled by City of Putnam
Area of Armory Site
4 ± Acres
PLAN SHOWING
PROPOSED LOCATION
for
PUTNAM ARMORY
Putnam, Conn.
Scale 1"=60'0
NOV. 1953
Gilbert F. Perry C.E.

# ONE UNIT ARMORY
FOR
# CONNECTICUT NATIONAL GUARD
## PUTNAM, CONN.
## PROJECT NO. CP-Q-166

**ABRAHAM A. RIBICOFF**
GOVERNOR

**T. J. MURPHY, JR**
COMMISSIONER
PUBLIC WORKS DEPARTMENT

**MAJ. GEN. FREDERICK G. REINCKE**
ADJUTANT GENERAL

STANDARD PLANS OF THE DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
ADAPTED TO SITE CONDITIONS
BY


**FLETCHER - THOMPSON, INC.**
**ARCHITECTS & ENGINEERS**
BRIDGEPORT, CONN.


2-16-56

STATE OF CONNECTICUT
(MILITARY DEPARTMENT)

MAJOR GEN. FRED'K. G. REINCKE, ADJ. GENERAL
ABRAHAM A. RIBICOFF GOVERNOR
T.J. MURPHY, JR COMMISSIONER OF PUBLIC WORKS DEPARTMENT
FLETCHER-THOMPSON, INC., ARCH. & ENGINEERS
PROJECT CP-Q-166

# ONE UNIT ARMORY

## NATIONAL GUARD BUREAU

## WASHINGTON, D.C.

| PUBLIC WORKS DEPARTMENT REVIEWED BY | | DATE | DATE |
|---|---|---|---|
| Architectural | W.J.M. | 9-13-54 | |
| Structural | W.S.A | 9-13-54 | |
| Mechanical | R.C.R | 9-13-54 | |
| Electrical | [illegible] | [illegible] | J.R.B. 2-3-55 |
| Civil | W.S.A | 9-13-54 | |

### DRAWING SCHEDULE

| SPEC. | SHEET NO. | TITLE |
|---|---|---|
| | 1 | TITLE SHEET |
| " | 2 | SITE PLAN |
| " | 3 | FLOOR PLAN |
| | 4 | ROOF & UPPER PART OF ASSEMBLY PLANS |
| " | 5 | ELEVATIONS |
| " | 6 | SECTIONS, FINISH SCHEDULE & DETAILS |
| " | 7 | WALL SECTIONS |
| " | 9 | WALL SECTIONS |
| " | 9 | WALL SECTIONS & ALTERNATE DETAILS |
| " | 10 | TOILET, SHOWER & KITCHEN DETAILS |
| " | 11 | DOOR SCHEDULE & DETAILS |
| " | 12 | WINDOW SCHEDULE & DETAILS |
| " | 13 | RIFLE RANGE & MISCELLANEOUS DETAILS |
| " | 14 | FOUNDATION PLAN |
| " | 15 | FOUNDATION DETAILS |
| " | 16 | FOUNDATION DETAILS |
| " | 17 | LOW ROOF FRAMING PLAN |
| " | 18 | HIGH ROOF FRAMING PLAN & DETAILS |
| " | 19 | ROOF FRAMING (WOOD ALTERNATE) |
| " | 20 | HEATING & VENTILATING - FLOOR PLAN |
| " | 21 | HEATING & VENTILATING - ROOF & UPPER PART OF ASSEMBLY PLANS |
| " | 22 | HEATING & VENTILATING - BOILER ROOM LAYOUT & DETAILS |
| " | 23 | PLUMBING - FLOOR PLAN |
| " | 24 | PLUMBING - ROOF PLAN |
| " | 25 | PLUMBING - DETAILS |
| " | 26 | ELECTRICAL - FLOOR PLAN |
| " | 27 | ELECTRICAL - SCHEDULES |
| " | 3A | FLOOR PLAN - EMERGENCY EXIT REVISIONS |
| | 3B | RECORD VAULT ADDED - REVISED RIFLE RANGE & [illegible] |

### HEATING & VENTILATING SYMBOLS

STEAM, LOW PRESSURE
ELBOW, TURNED DOWN
ELBOW, TURNED UP
TEE, OUTLET DOWN
TEE, OUTLET UP
TEE, SIDE OUTLET, OUTLET DOWN
TEE, SIDE OUTLET, OUTLET UP
BLANK FLANGE
CAP
PLUG
REDUCER, CONCENTRIC
REDUCER, ECCENTRIC
UNION, FLANGED
UNION, SCREWED
VALVE, GENERAL
VALVE, ANGLE
VALVE, GATE
VALVE, GLOBE
CHECK VALVES, GENERAL
VALVE, THERMOSTATICALLY CONTROLLED
Y STRAINER
FLOAT AND THERMOSTATIC TRAP
FLOAT TRAP
THERMOSTATIC TRAP
VACUUM TRAP
MOTOR
PUMP, CENTRIFUGAL
THERMOMETER
DAMPER, VOLUME (ELEVATION)
HEAT TRANSFER SURFACE (ALL TYPES).
HEATER, UNIT - PROPELLER TYPE
PLAN
VENTILATOR, GOOSENECK
ELEV.

END
FAN, PROPELLER
SIDE
DUCT
DUCT, DIRECTION OF FLOW IN
DUCT, EXHAUST, SECTION
DUCT, INCLINED DROP IN RESPECT TO AIR FLOW
DUCT, INCLINED RISE IN RESPECT TO AIR FLOW
DUCT, RECIRCULATION SECTION
DUCT, SUPPLY, SECTION
EXHAUST INLET
FAN & MOTOR WITH BELT GUARD & FLEXIBLE CONNECTIONS
LOUVER OPENING
LOUVERS & SCREEN, INTAKE, AIR OR WEATHER
SUPPLY OUTLET
VANES

### MATERIAL INDICATIONS

EARTH
CONCRETE
MASONRY UNITS
DRAINAGE FILL
BLOCKING
WOOD
STEEL
INSULATION
CEMENT OR STONE
SLATE
PREMOULDED EXPANSION JOINTS
BRICK
GLAZED STRUCTURAL FACING UNITS
ACOUSTIC MATERIAL

### PLUMBING SYMBOLS

| PLAN | STACK OR RISER | SERVICE |
|---|---|---|
| | S, W | SOIL OR WASTE - SANITARY PIPING |
| | V | VENT PIPING |
| | | COLD WATER |
| | | HOT WATER |
| G | G | GAS PIPING |
| F | | FIRE MAIN |
| | | GATE VALVE |
| | | GLOBE VALVE |
| | | SWING CHECK VALVE |
| F G | | PLUG COCK VALVE |
| | | A.S.M.E. PRESSURE RELIEF VALVE |
| | | TEMPERATURE RELIEF VALVE |
| | | HOSE BIBB OR WALL HYDRANT |

### ELECTRICAL SYMBOLS

| CEILING | WALL | |
|---|---|---|
| | | OUTLET |
| H | H | UNIT HEATER OR COOLER |
| J | J | JUNCTION BOX |
| | T | THERMOSTAT, 5'-0" UP |
| X | X | EXIT LIGHT OUTLET |
| | | FLUORESCENT FIXTURE OUTLET |
| | S | SINGLE POLE SWITCH 4'-0" UP |
| | | DUPLEX CONVENIENCE OUTLET 1'-0" UP |
| R | | RANGE OUTLET |
| | | SPECIAL PURPOSE OUTLET (DES. IN SPEC.) |
| | | LIGHTING PANEL |
| | | POWER PANEL |
| | | BRANCH CIRCUIT; CONCEALED IN CEILING OR WALL |
| | | BRANCH CIRCUIT; CONCEALED IN FLOOR |
| | | BRANCH CIRCUIT; EXPOSED |
| | | HOME RUN TO PANEL BOARD. ARROWS INDICATE NUMBER OF CIRCUITS. NOTE: ANY CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A TWO-WIRE CIRCUIT. GREATER NUMBER OF WIRES SHOWN AS FOLLOWS: (3 WIRES), (4 WIRES), ETC. |
| | | FEEDERS |
| | | CONTROLLER |
| | | ISOLATING SWITCH |
| | | PUSH BUTTON |
| | M | MOTOR |

### LIST OF ABBREVIATIONS

A ..... AMPERES
AC ..... AIR CHAMBER
AD ..... AREA DRAIN
ALT. ..... ALTERNATE
BLDG. ..... BUILDING
BOT. ..... BOTTOM
BR ..... BRANCH
C ..... CONDUIT
C ..... COURSE
CAP. ..... CAPACITY
CEM ..... CEMENT
CER ..... CERAMIC
CFM ..... CUBIC FEET PER MINUTE
CKT ..... CIRCUIT
CLG ..... CEILING
CN ..... CANVAS NECK
CO ..... CLEANOUT
CODP ..... CLEANOUT DECK PLATE
COL ..... COLUMN
CONC ..... CONCRETE
CONN ..... CONNECTION
CONT ..... CONTINUOUS
CSINK ..... COUNTERSINK
CT ..... CURRENT TRANSFORMER
CW ..... COLD WATER
DET ..... DETAIL
DIA ..... DIAMETER
DIM ..... DIMENSION
DL ..... DEAD LOAD
DN ..... DOWN
DR ..... DRAIN
DWG ..... DRAWING
EA ..... EACH
EDR ..... EQUIVALENT DIRECT RADIATION
EL ..... ELEVATION
EM ..... ENLISTED MEN
EQUIP ..... EQUIPMENT
EXP. ..... EXPANSION
EXT ..... EXTERIOR
F ..... FAHRENHEIT
FD ..... FLOOR DRAIN
FDN ..... FOUNDATION
FIN ..... FINISH
FL ..... FLOOR
FPM ..... FEET PER MINUTE
FT ..... FOOT
FTG ..... FOOTING
FUNN DR ..... FUNNEL DRAIN
GAL ..... GALLONS
GALV ..... GALVANIZED
GL ..... GLASS, GLAZED
GPM ..... GALLONS PER MINUTE
GSFU ..... GLAZED STRUCT. FACING UNITS
GWB ..... GYPSUM WALLBOARD
HGT ..... HEIGHT
HOR ..... HORIZONTAL
HP ..... HORSEPOWER
HTG ..... HEATING
HW ..... HARDWARE
HW ..... HOT WATER
ID ..... INSIDE DIAMETER
INCR ..... INCREASER
INT ..... INTERIOR
INV ..... INVERT
IPS ..... IRON PIPE SIZE
JT ..... JOINT
KAL ..... KALAMEIN
LAV ..... LAVATORY
LG ..... LENGTH OR LONG
LH ..... LEFT HAND
LL ..... LIVE LOAD
LP ..... LIGHTING PANEL
MATL ..... MATERIAL
MAX ..... MAXIMUM
MECH ..... MECHANICAL
MET ..... METAL
MIN ..... MINIMUM
MLDG ..... MOLDING
MO ..... MASONRY OPENING
MU ..... MASONRY UNITS
NCO ..... NON-COMMISSIONED OFFICER
NIC ..... NOT IN CONTRACT
OC ..... ON CENTER
OD ..... OUTSIDE DIAMETER
OFF. ..... OFFICERS
OS & Y ..... OUTSIDE STEM & YOKE
PARTN ..... PARTITION
PL ..... PLATE
PP ..... POWER PANEL
PSF ..... POUNDS PER SQUARE FOOT
PSI ..... POUNDS PER SQUARE INCH
R ..... RISER
RAD ..... RADIATOR
REG ..... REGISTER
RET ..... RETURN
REQD ..... REQUIRED
RH ..... RIGHT HAND
RH ..... HEAT RESISTING WAVE
RL ..... RUBBER INSULATED LEAD SHEATHED WIRE
RM ..... ROOM
RPM ..... REVOLUTIONS PER MINUTE
RW ..... RUBBER INSULATED WEATHER PROOF WIRE
SBI ..... STEEL BOILER INSTITUTE
SD ..... SHOWER DRAIN
SDL ..... SADDLE
SECT. ..... SECTION
SK ..... SINK
S/N ..... SOLID NEUTRAL
SP ..... STATIC PRESSURE
SPEC ..... SPECIFICATION
SQ FT ..... SQUARE FEET
ST ..... STEEL
STD ..... STANDARD
STRUCT ..... STRUCTURAL
T & B ..... TOP & BOTTOM
TEMP ..... TEMPERATURE
T & G ..... TONGUE & GROOVE
THK ..... THICK
TL ..... TOTAL LOAD
TYP ..... TYPICAL
V ..... VOLTS
VENT ..... VENTILATE
VERT ..... VERTICAL
WI ..... WROUGHT IRON
WT ..... WEIGHT
XHCI ..... EXTRA HEAVY CAST IRON

### STRUCTURAL SYMBOLS

C CHANNEL
L ANGLE
PL PLATE
@ AT
Ø DIAMETER
□" SQUARE INCH
℄ CENTER LINE
# POUNDS OR NUMBER
fs STEEL STRESS
fc CONCRETE STRESS

### REVISIONS

| SYMBOL | DESCRIPTION | DATE | APPROVAL |
|---|---|---|---|
| | GENERAL REVISIONS - ALL SHEETS (CHECKING CORRECTIONS) | 5/15/52 | |

PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
6-21-54
REVISED 2-1-56
PUTNAM
CP-Q-166
CONTRACT NO 1737
FLETCHER-T

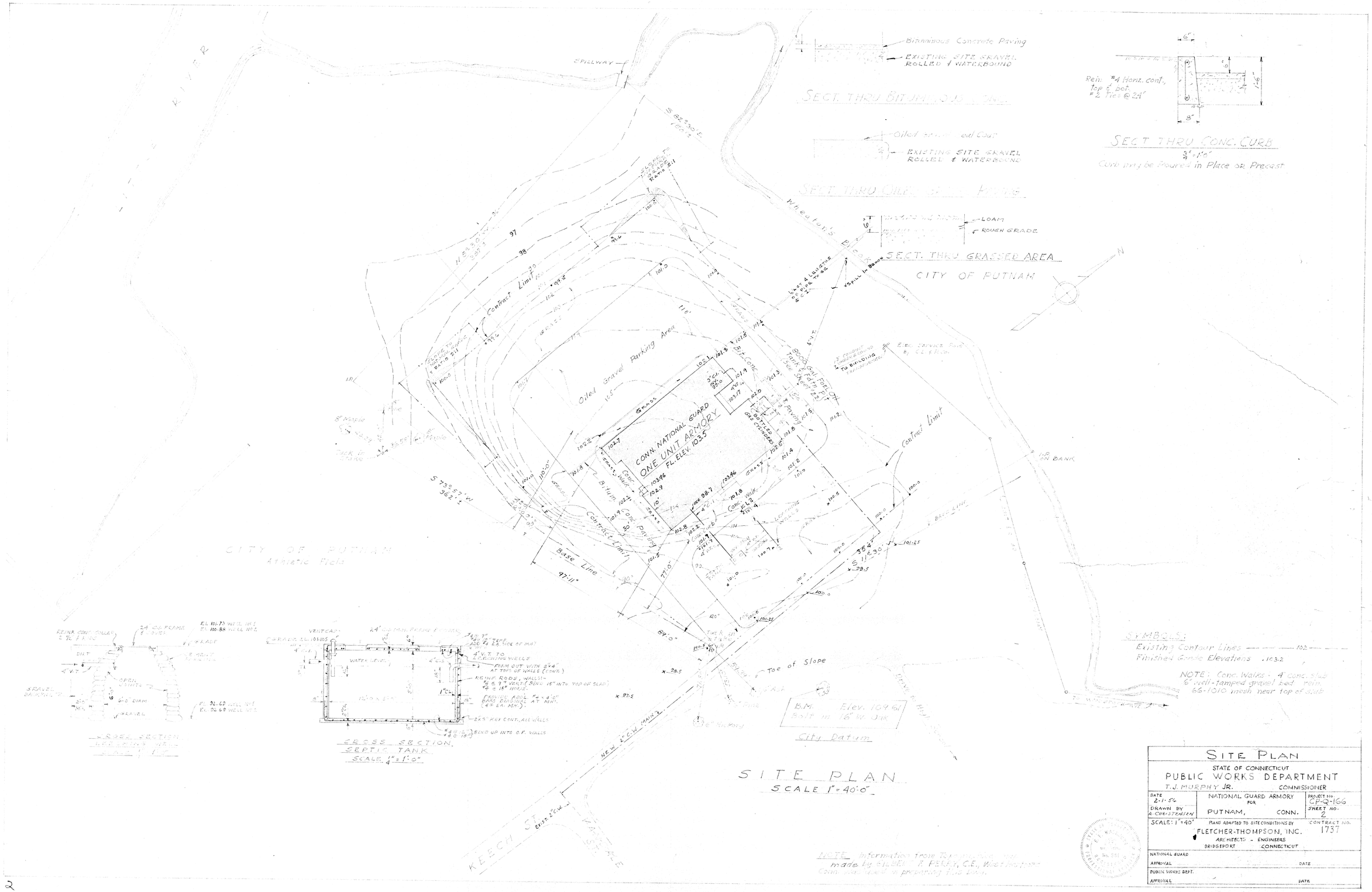
DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

**ONE UNIT ARMORY**
PUTNAM, CONN.
TITLE SHEET

APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, NGB
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE
SPECIFICATIONS 10
SHEET 1 OF 29

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.



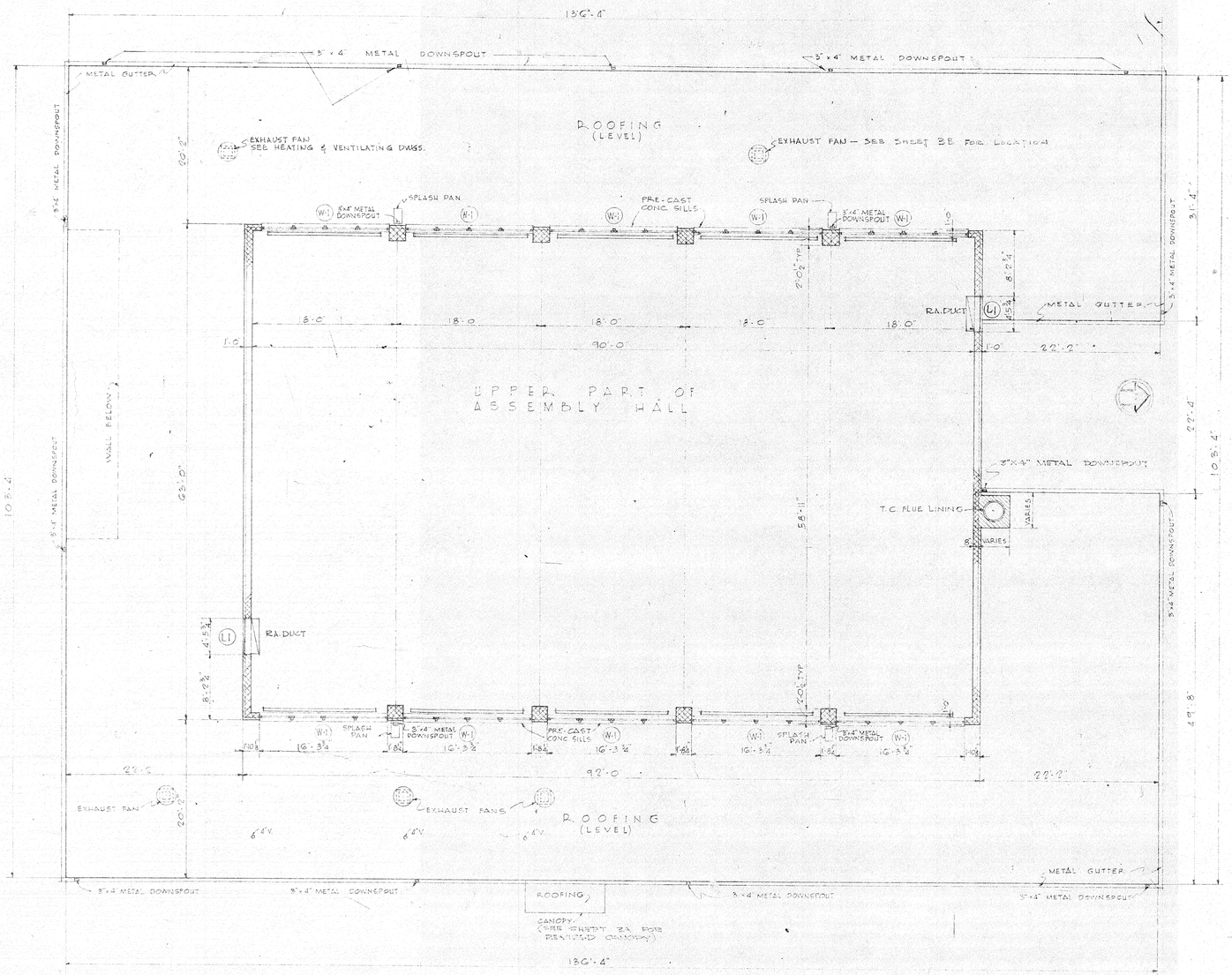

NOTE: Information from Topographic map made by Gilbert F. Perry, C.E., West Hartford Conn. was used in preparing this Dwg.

# SITE PLAN

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY JR. COMMISSIONER

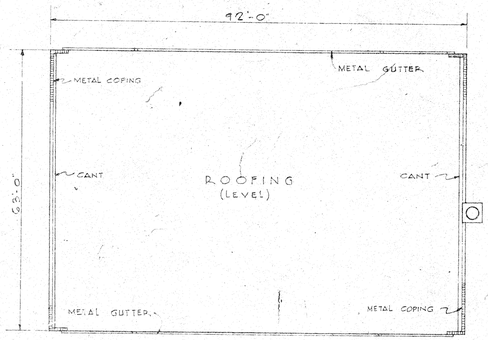
| | | |
|---|---|---|
| DATE 2-1-56 | NATIONAL GUARD ARMORY FOR PUTNAM, CONN. | PROJECT No. CP-Q-166 |
| DRAWN BY A. CHRISTENSEN | | SHEET NO. 2 |
| SCALE: 1" = 40' | PLANS ADAPTED TO SITE CONDITIONS BY FLETCHER-THOMPSON, INC. ARCHITECTS - ENGINEERS BRIDGEPORT CONNECTICUT | CONTRACT NO. 1737 |
| NATIONAL GUARD APPROVAL | | DATE |
| PUBLIC WORKS DEPT. APPROVAL | | DATE |

2




PLAN OF UPPER PART OF ASSEMBLY HALL & LOW ROOF

SCALE 1/8" = 1'-0"




PLAN OF ROOF OVER UPPER PART OF ASSEMBLY HALL

SCALE 1/16" = 1'-0"

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR. COMMISSIONER

| | | |
|---|---|---|
| DATE 6-21-54 REVISED 2-1-56 | NATIONAL GUARD ARMORY PUTNAM CONN. | CP-Q-166 CONTRACT NO. 1737 |

PLANS PREPARED BY THE ARCHITECT OF
FLETCHER-THOMPSON, INC.
ARCHITECTS ENGINEERS
BRIDGEPORT CONNECTICUT

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

**ONE UNIT ARMORY**

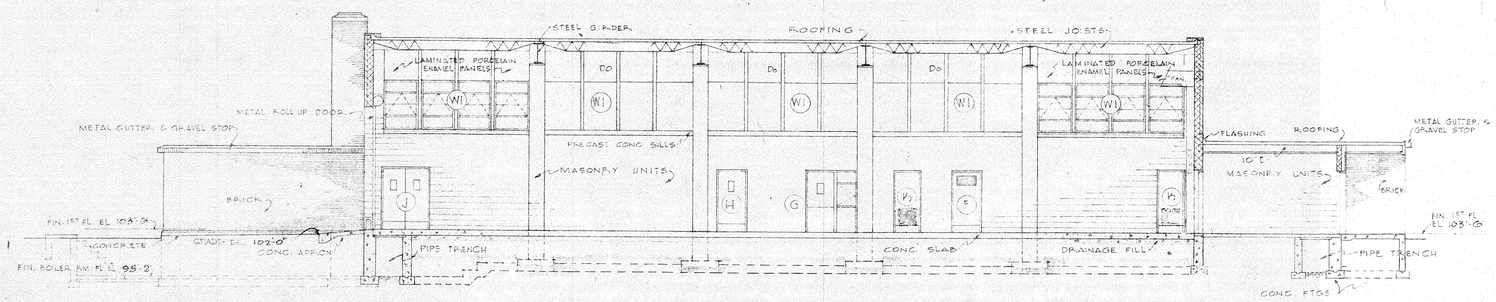
ROOF & UPPER PART OF ASSEMBLY PLANS

APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, NGB
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE AS NOTED
SPECIFICATIONS
SHEET 4 OF 29

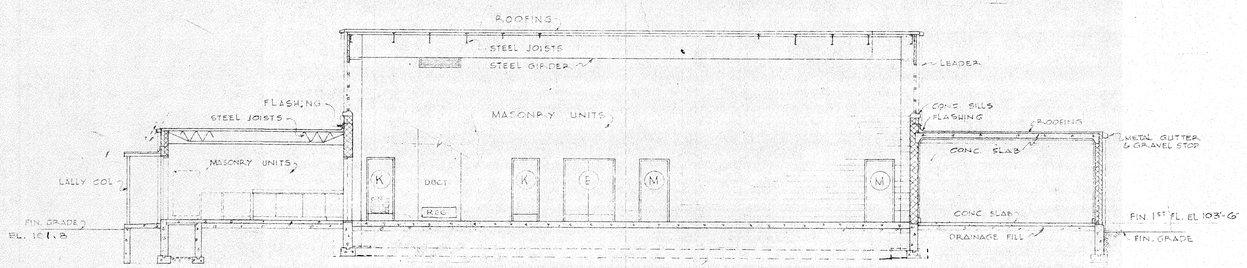
REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

7




## SECTION 1 - 1

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




## SECTION 2 - 2

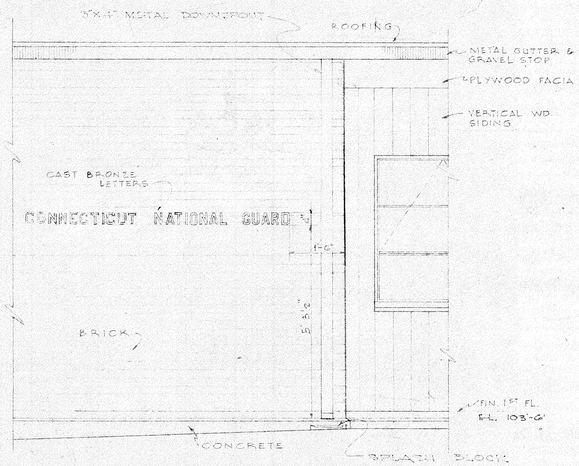
SCALE : 1/8"=1'-0"

## SCHEDULE OF INTERIOR FINISHES

| ROOM NAME | FLOOR | BASE | WALLS | CEILING |
|---|---|---|---|---|
| ASSEMBLY HALL | CONCRETE SLAB INTEGRAL FINISH | PAINTED | MASONRY - PAINTED | EXPOSED CONSTRUCTION - PAINTED |
| BOILER ROOM | CONCRETE SLAB MONOLITHIC FINISH | | DO | DO ~~SEE NOTE 1 BELOW~~ |
| CLASSROOMS | ASPHALT TILE | RUBBER TILE | DO | G.W.B. - PAINTED ON 2"x3" FURRING |
| COMMANDING OFF | DO | DO | MASONRY - PAINTED G.W.B. - PAINTED | DO |
| E.M. LOCKERS | CONCRETE SLAB INTEGRAL FINISH | G.S.F.U | G.S.F.U. | DO |
| E.M. TOILET & SHOWER | CERAMIC TILE | G.S.F.U. - COVE | G.S.F.U | METAL LATH CEMENT PLASTER |
| INSTRUCTOR | ASPHALT TILE | RUBBER TILE | MASONRY - PAINTED G.W.B. - PAINTED | G.W.B. - PAINTED ON 2"x3" FURRING |
| KITCHEN | DO GREASEPROOF TYPE | ASPHALT TILE GREASEPROOF TYPE | MASONRY - PAINTED | METAL LATH CEMENT PLASTER |
| LOBBY | CONCRETE SLAB INTEGRAL FINISH | PAINTED | DO | G.W.B. - PAINTED ON 2"x3" FURRING |
| MAINTENANCE & UTILITY STORAGE | CONCRETE SLAB MONOLITHIC FINISH | PAINTED | DO | EXPOSED CONSTRUCTION - PAINTED |
| NCO STAFF | ASPHALT TILE | RUBBER TILE | MASONRY - PAINTED G.W.B. - PAINTED | G.W.B. - PAINTED ON 2"x3" FURRING |
| OFFICERS' TOILET & LOCKERS | CERAMIC TILE | G.S.F.U. - COVE | G.S.F.U. | METAL LATH CEMENT PLASTER |
| ORDNANCE STORAGE | CONCRETE SLAB MONOLITHIC FINISH | | MASONRY - PAINTED | CONC. SLAB - PAINTED |
| RIFLE RANGE | DO | CEMBASE AT ACOUSTIC MATERIAL | DO | DO |
| UNIT STORAGE | DO | | DO | EXPOSED CONSTRUCTION - PAINTED |

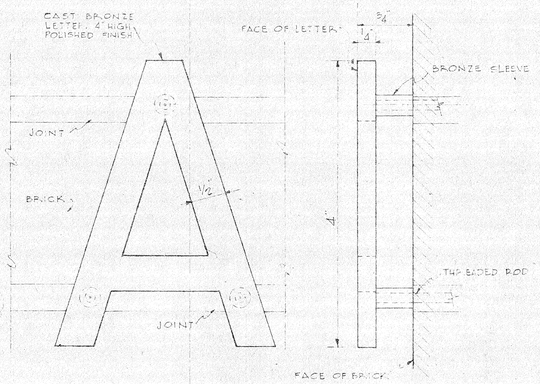
NOTE:

~~1. FOR WOOD ALTERNATE ROOF FRAMING 2 LAYERS OF 1/2" GALV. WIRE MESH REINFORCING BETWEEN.~~ } DELETED




## ELEVATION OF CAST BRONZE EMBLEM & LETTERS

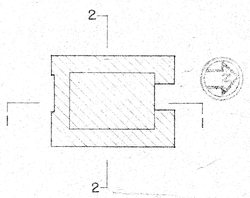
SCALE: 1/2"=1'-0"




ELEVATION SIDE VIEW

## DETAIL OF TYPICAL LETTER

FULL SIZE




## KEY PLAN

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
COMMISSIONER

6-21-54
REVISED 2-1-56

PUTNAM,

CP-Q-166
CONTRACT NO. 1737

PETERSON-WEBER, INC.

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

**ONE UNIT ARMORY**

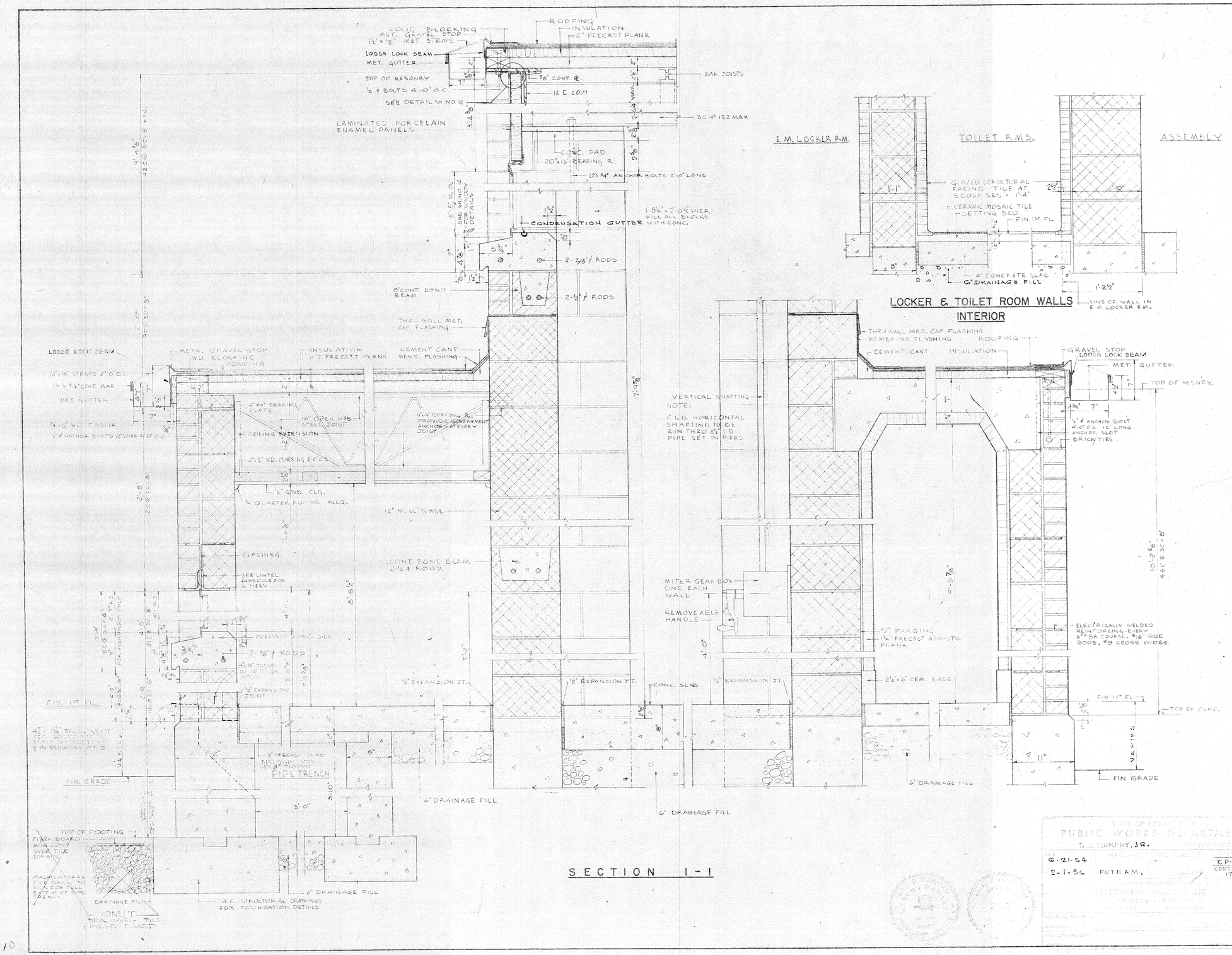
SECTIONS, FINISH SCHEDULE & DETAILS

APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: AS NOTED
SPECIFICATIONS
SHEET 6 OF 23

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

9




STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.

| | | |
|---|---|---|
| 6-21-54 | | CP-Q-166 |
| 2-1-56 | PUTNAM, | CONTRACT NO 1737 |

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

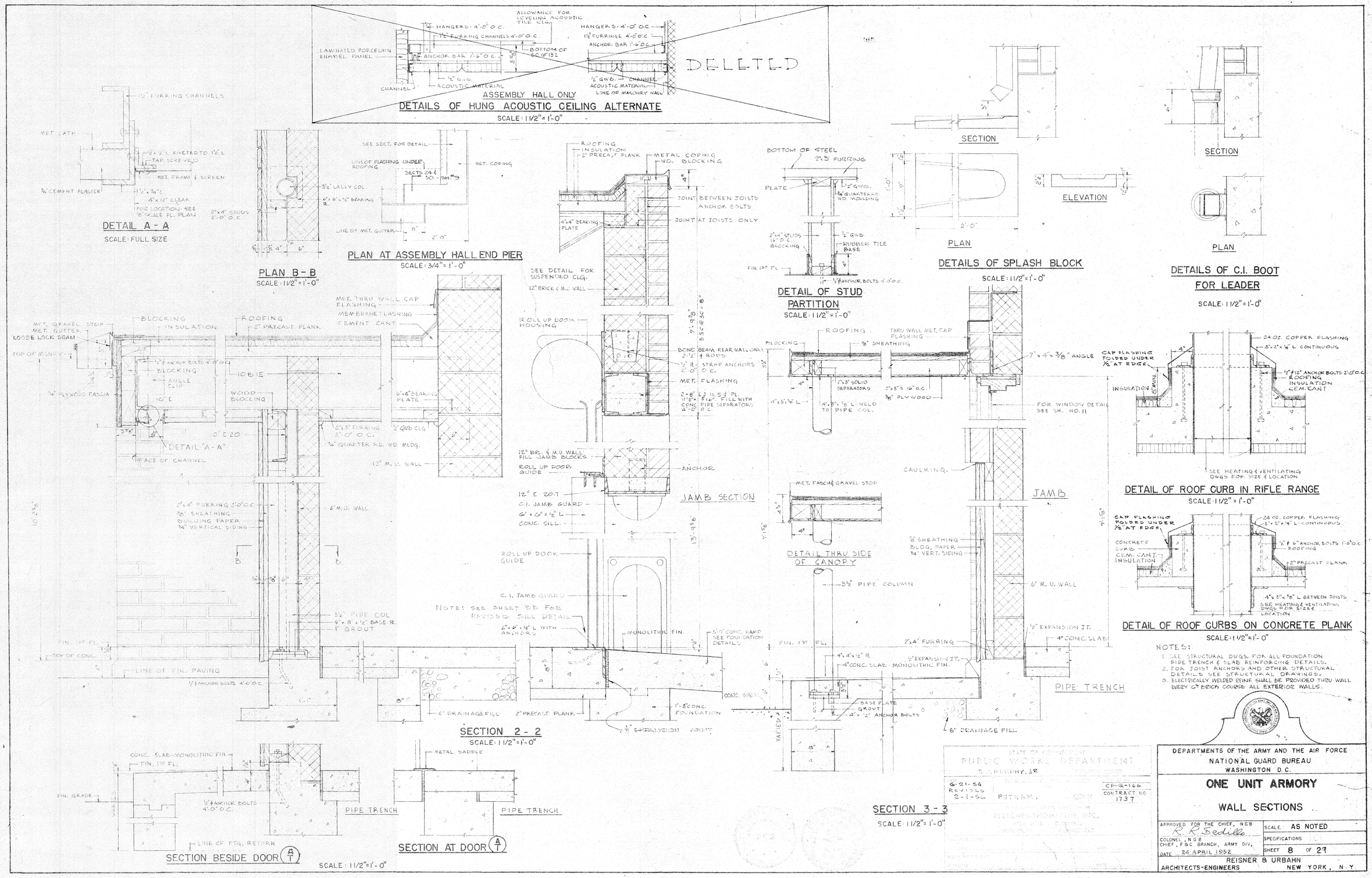
**ONE UNIT ARMORY**

**WALL SECTIONS**

| | |
|---|---|
| APPROVED FOR THE CHIEF, NGB R. R. Sedillo COLONEL, N.G.B. CHIEF, F&C BRANCH, ARMY DIV. | SCALE: 1 1/2" = 1'-0" |
| | SPECIFICATIONS |
| DATE 24 APRIL 1952 | SHEET 7 OF 29 |

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

10




NOTES:

1. SEE STRUCTURAL DWGS. FOR ALL FOUNDATION PIPE TRENCH & SLAB REINFORCING DETAILS.
2. FOR JOIST ANCHORS AND OTHER STRUCTURAL DETAILS SEE STRUCTURAL DRAWINGS.
3. ELECTRICALLY WELDED REINF. SHALL BE PROVIDED THRU WALL EVERY 6" BRICK COURSE ALL EXTERIOR WALLS.

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
6-21-54
REVISED 2-1-56
PUTNAM, CONN.
CP-Q-166
CONTRACT NO 1737
FLETCHER-THOMPSON, INC.

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

**ONE UNIT ARMORY**

**WALL SECTIONS**

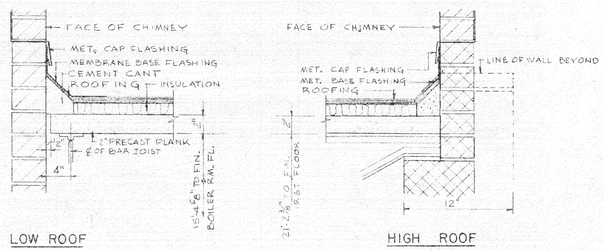
APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: AS NOTED
SPECIFICATIONS
SHEET 8 OF 29

REISNER & URBAHN
ARCHITECTS-ENGINEERS
NEW YORK, N.Y.

11

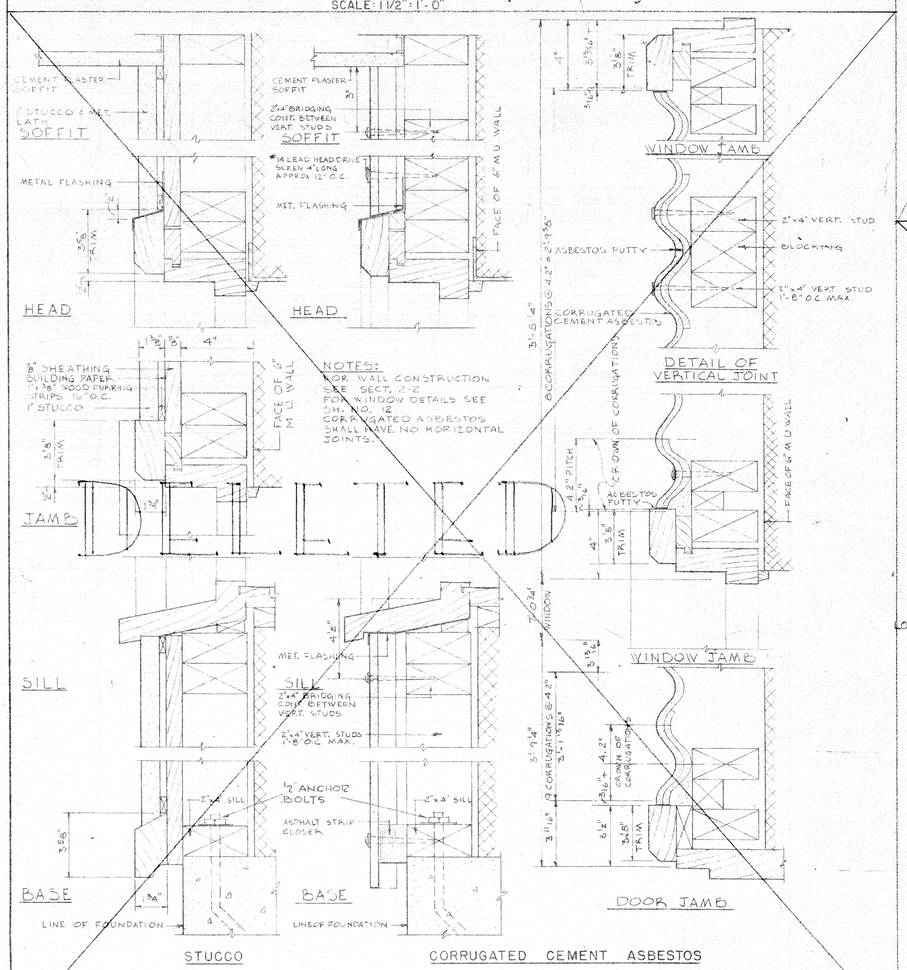
DELETED




LOW ROOF HIGH ROOF

## CHIMNEY FLASHING DETAILS

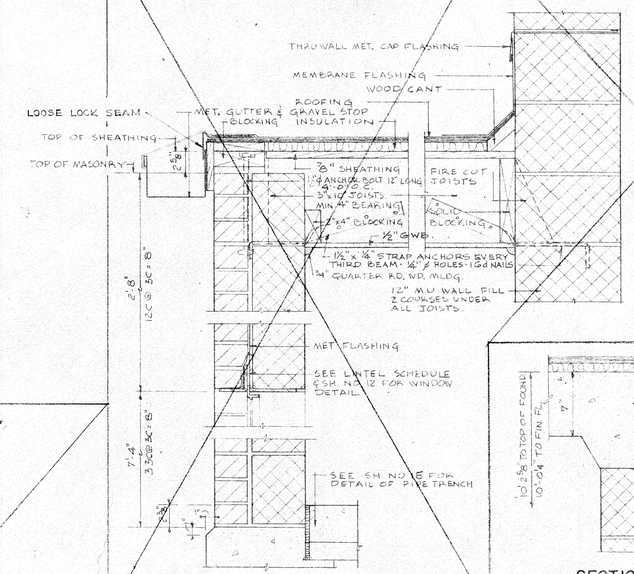
SCALE: 1 1/2" = 1'-0"



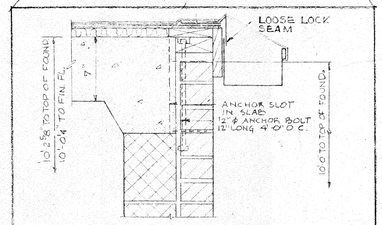

## ALTERNATE DETAILS FOR MAIN ENTRANCE

SEE SHEET NO. 8

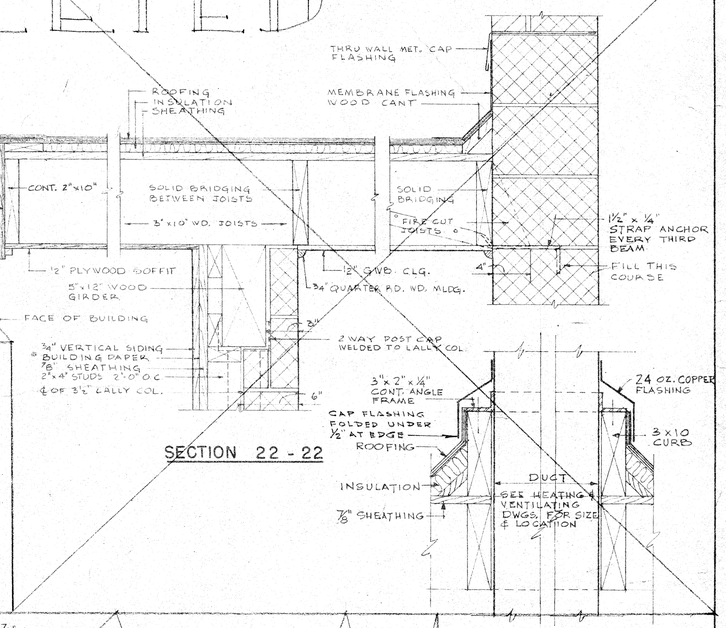
SCALE: 3" = 1'-0"



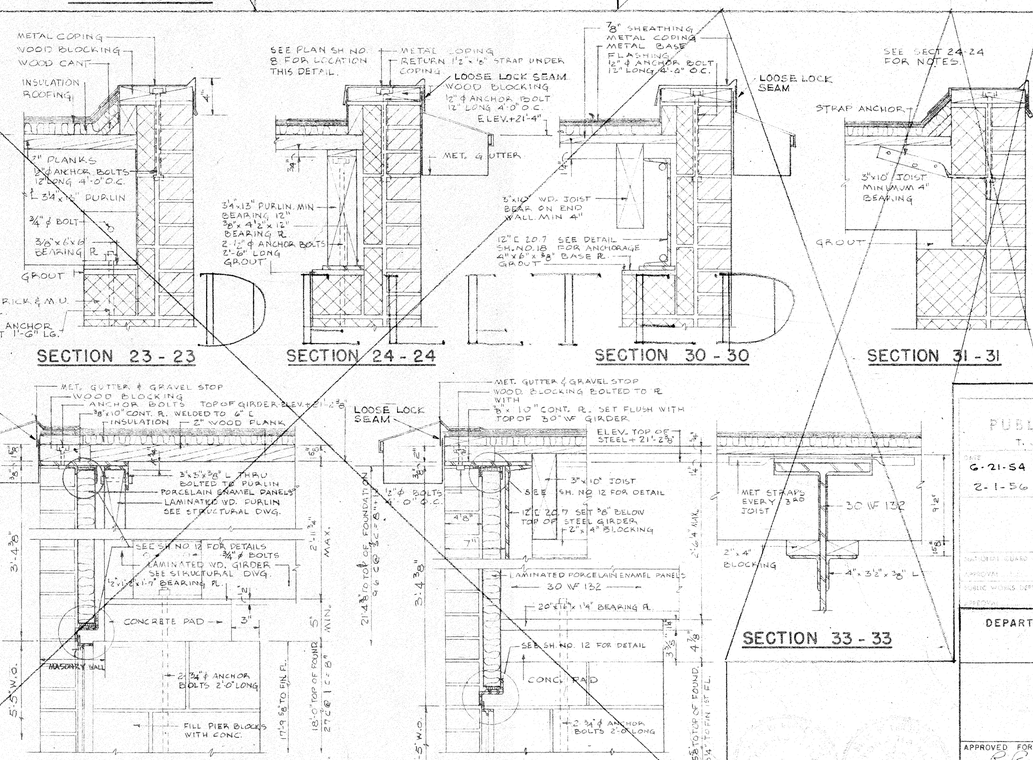

SECTION 20 - 20



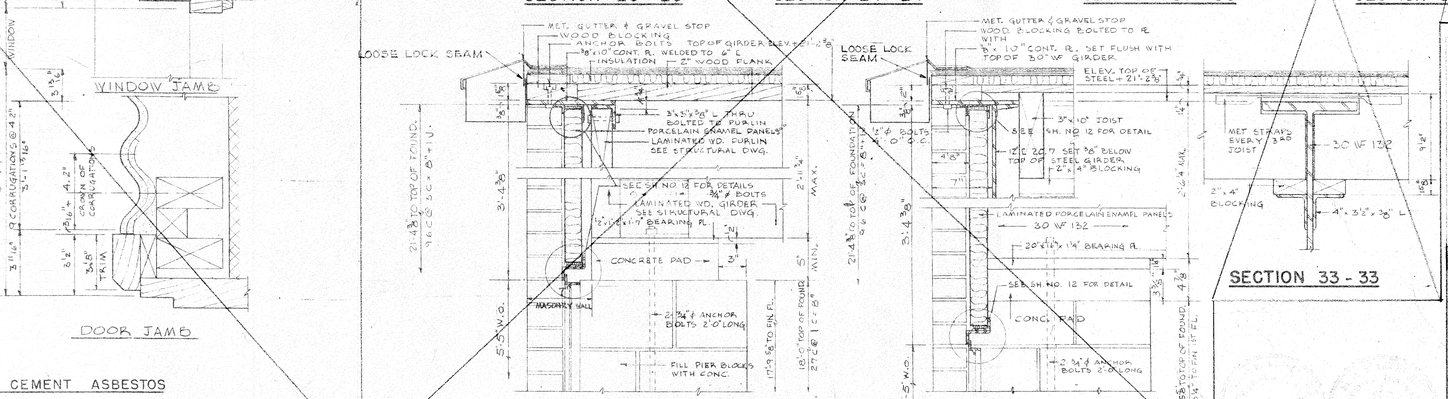

SECTION 21 - 21




SECTION 22 - 22




SECTION 23 - 23 SECTION 24 - 24 SECTION 30 - 30 SECTION 31 - 31




SECTION 25 - 25 SECTION 32 - 32 SECTION 33 - 33

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

NOTES:

1. SECTIONS 30-31-32-33 ARE FOR ALTERNATE WOOD JOIST FRAMING OF ROOF OVER ASSEMBLY. SEE SHEET #12 FOR LOCATION. DELETED
2. SECTIONS 20-21-22 ARE FOR ALTERNATE WOOD JOIST FRAMING OF LOW ROOF.
3. SECTIONS 23-24-25 ARE FOR WOOD BEAMS, PURLIN & LAMINATED GIRDER FRAMING OF ROOF OVER ASSEMBLY.
4. SEE STRUCTURAL DWGS. FOR ALL FOUNDATION, PIPE TRENCH & SLAB REINFORCING DETAILS.
5. FOR JOIST ANCHORS & OTHER STRUCTURAL DETAILS SEE STRUCTURAL DWGS.
6. ELECTRICALLY WELDED REINFORCING SHALL BE PROVIDED THRU WALL EVERY 6th BRICK COURSE ALL EXTERIOR WALLS.

PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
CONSULTING ARCHITECTS
NATIONAL GUARD ARMORY
6-21-54
2-1-56
PUTNAM, CONN.
CP-G-16
CONTRACT NO. 1737
PLANS PREPARED BY AND CORRESPONDENCE TO
FLETCHER-THOMPSON, INC.
ARCHITECTS - ENGINEERS
BRIDGEPORT CONNECTICUT
CHIEF, DIVISION OF PUBLIC WORKS DEPT. DATE
APPROVED
PUBLIC WORKS DEPT. DATE
APPROVED

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

# ONE UNIT ARMORY

## WALL SECTIONS & ALTERNATE DETAILS

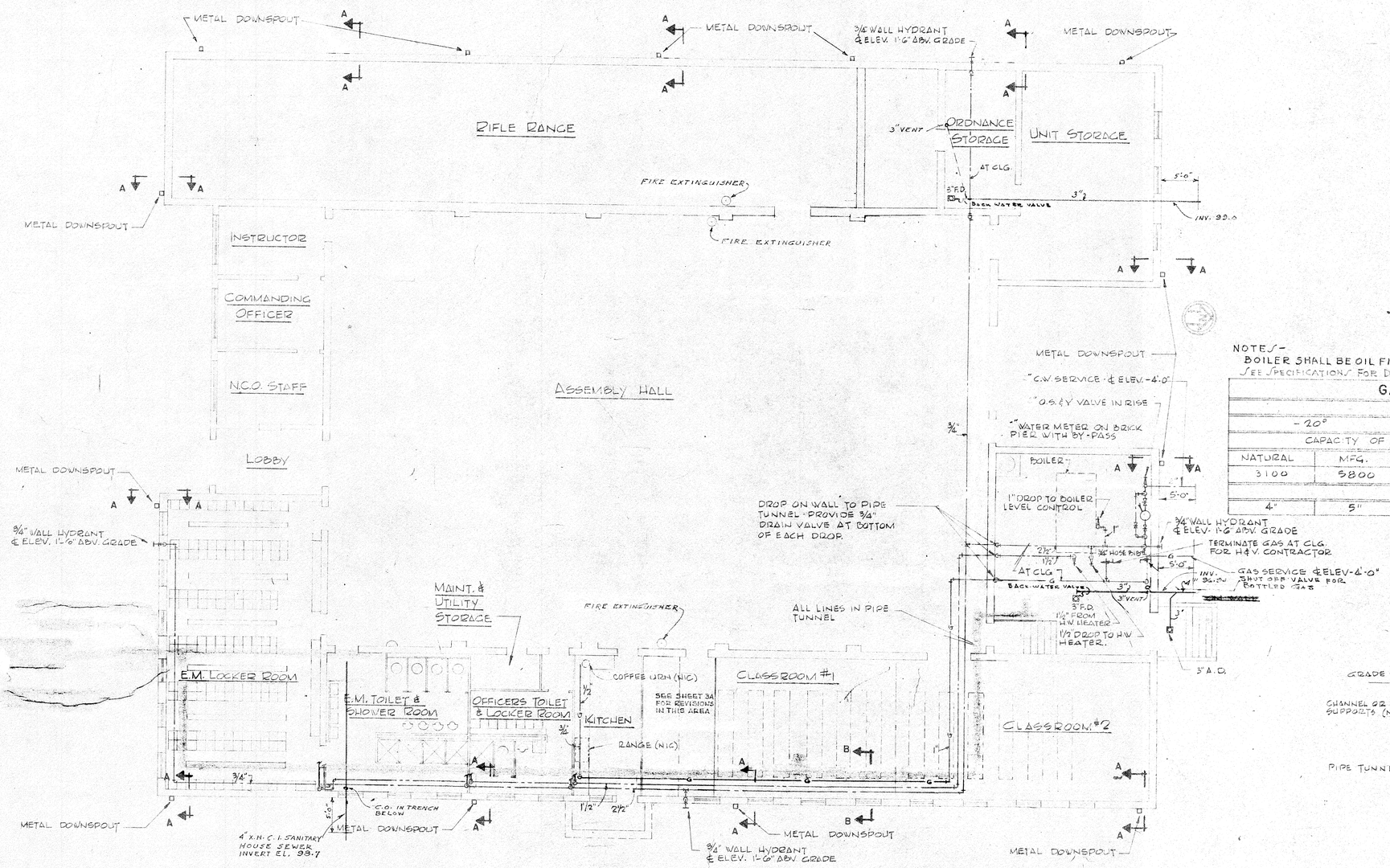
| | |
|---|---|
| APPROVED FOR THE CHIEF, NGB: R. C. Sedillo, COLONEL, N.G.B., CHIEF, F&C BRANCH, ARMY DIV. | SCALE: AS NOTED |
| DATE: 24 APRIL 1952 | SPECIFICATIONS |
| | SHEET 9 OF 29 |

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

12

## GENERAL NOTES:

1. WHEN OIL BURNER IS USED, GAS METER & REGULATOR SHALL BE 3/4" SIZE FOR GAS IGNITION SYSTEM.
2. WATER METER & BY-PASS TO BE INSTALLED ONLY WHEN REQUIRED BY UTILITY CO.
3. SUMP PUMP SHALL BE A DUPLEX UNIT WHEN FOOTING DRAINS ARE DRAINED TO SUMP.
4. SUMP BASIN SHALL BE 5'-0" DEEP EXCEPT WHEN FOOTING DRAINS ARE RUN IN. WHERE FOOTING DRAINS ARE INSTALLED, DEPTH OF SUMP SHALL BE 2 FT BELOW LOWEST INLET.
5. VENT STACKS SHALL EXTEND 24" ABOVE ROOF
6. INSTALL A GAS COCK AT EACH GAS CONNECTION.
7. PLUMBING CONTRACTOR SHALL TERMINATE WITHIN 3'-0" OF BOILER WATER LEVEL CONTROLLER BUT SHALL MAKE ALL CONNECTIONS TO HOT WATER HEATER.
8. ALL RELIEF VALVES SHALL BE FURNISHED WITH 1/2" DRAIN PIPED TO WITHIN 6" OF FLOOR DRAIN.

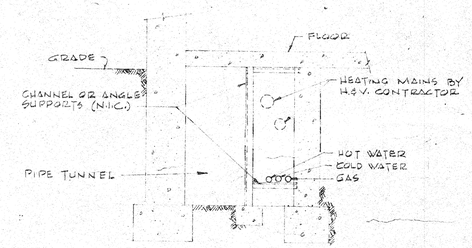



FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTE:-
USE INVERT ELEV. AS GIVEN ON THIS DRAWING

NOTES-
BOILER SHALL BE OIL FIRED
SEE SPECIFICATIONS FOR DELETION OF INTERIOR FIRE PROTECTION LINES & HOSE RACKS.

| GAS FITTING SCHEDULE | | | | | |
|---|---|---|---|---|---|
| HEATING ZONE | | | | | |
| -20° | | 0° | | +20° | |
| CAPACITY OF METER & REGULATOR IN CUBIC FEET PER HOUR | | | | | |
| NATURAL | MFG. | NATURAL | MFG. | NATURAL | MFG. |
| 3100 | 5800 | 2550 | 4800 | 1820 | 3430 |
| PIPE SIZE TO BOILER | | | | | |
| 4" | 5" | 3" | 4" | 3" | 4" |




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

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
COMMISSIONER
NATIONAL GUARD ARMORY
DATE 6-21-54
REVISED 2-1-56
PUTNAM, CONN.
CP-Q-166
CONTRACT NO 1737
FRETCH & THOMPSON, INC.
ARCHITECTS ENGINEERS
COMMISSIONER

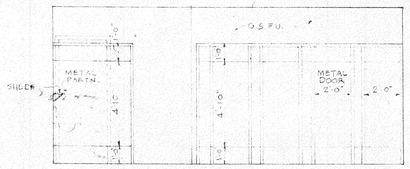
DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

# ONE UNIT ARMORY
# PLUMBING
# FLOOR PLAN

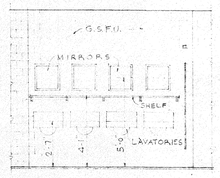
APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: 1/8" = 1'-0"
SPECIFICATIONS
SHEET 23 OF 28

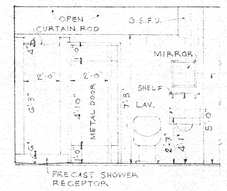
REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.



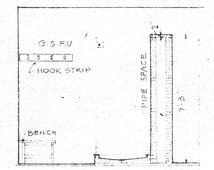

ELEVATION 1-1



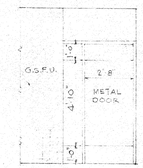

ELEVATION 2-2



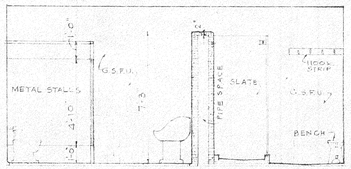

ELEVATION 5-5



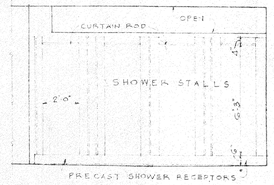

ELEVATION 6-6



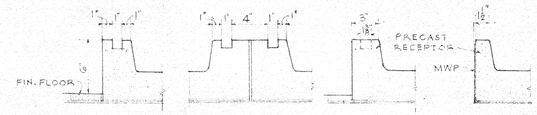

ELEVATION 7-7




ELEVATION 3-3



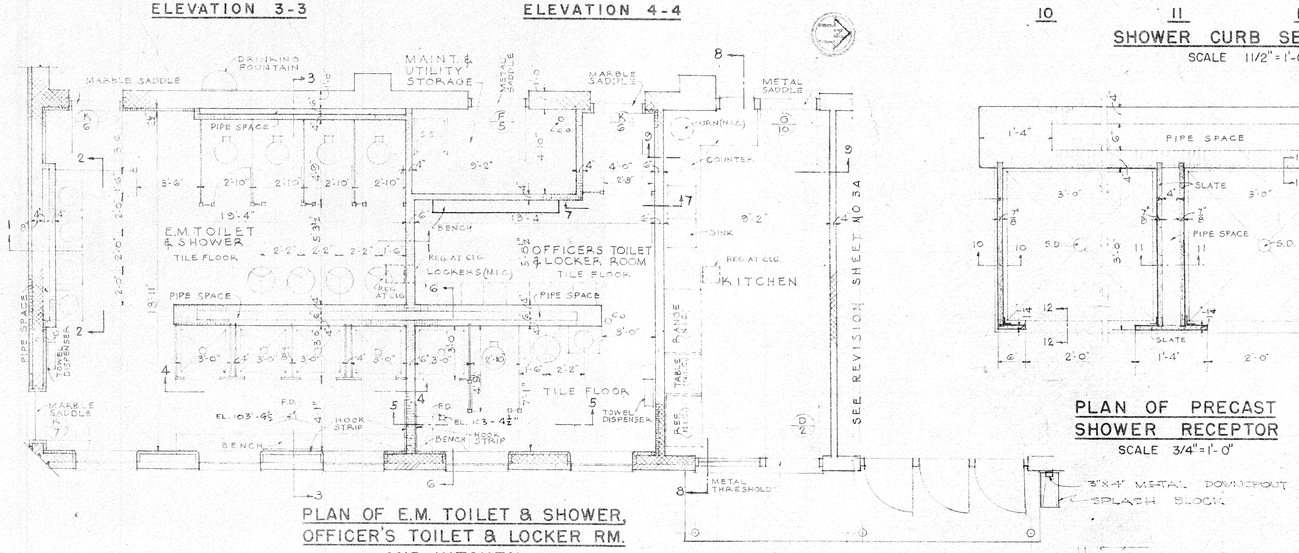

ELEVATION 4-4




10 11 12 13

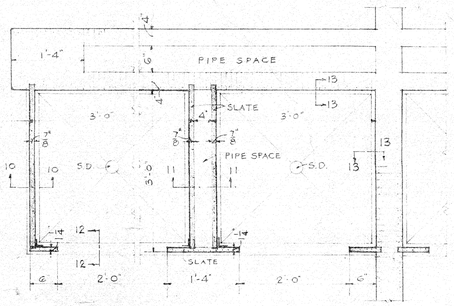
SHOWER CURB SECTIONS

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



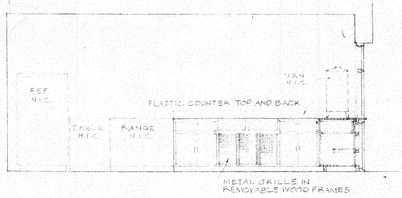

PLAN OF E.M. TOILET & SHOWER, OFFICER'S TOILET & LOCKER RM. AND KITCHEN

SCALE 1/4" = 1'-0"

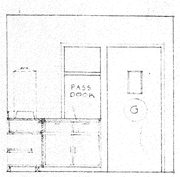



PLAN OF PRECAST SHOWER RECEPTOR

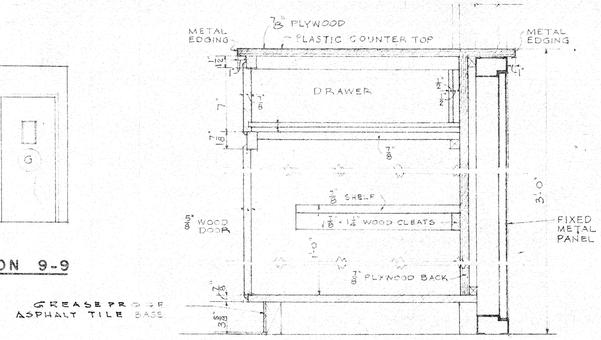
SCALE 3/4" = 1'-0"




ELEVATION 8-8

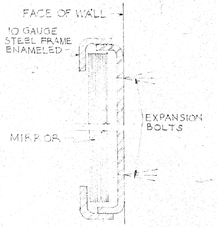



ELEVATION 9-9



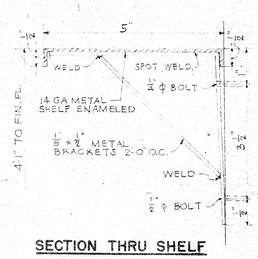

DETAIL OF KITCHEN COUNTER

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



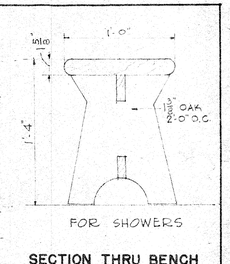

SECTION THRU MIRROR

SCALE FULL SIZE




SECTION THRU SHELF

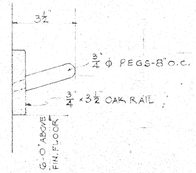
SCALE HALF SIZE




FOR SHOWERS

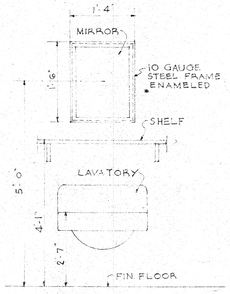
SECTION THRU BENCH

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




HOOK STRIP DETAIL

SCALE 3" = 1'-0"




WALL MIRROR & SHELF OVER LAVS IN TOILETS

SCALE 3/4" = 1'-0"

PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.

6-21-54
REVISED 2-1-56 PUTNAM,

CP-G-166
CONTRACT NO. 1737

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

**ONE UNIT ARMORY**

TOILET, SHOWER & KITCHEN DETAILS

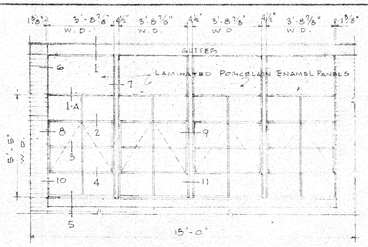
APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: AS NOTED
SPECIFICATIONS
SHEET 10 OF 29

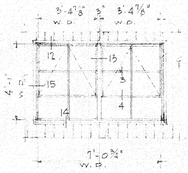
REISNER & URBAHN
ARCHITECTS-ENGINEERS
NEW YORK, N.Y.

13

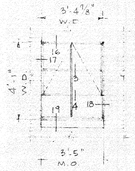
STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
G-21-54
2-1-56
PUTNAM
CP-Q 166
CONTRACT NO 1737



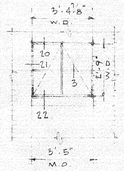

W1 COMMERCIAL PROJECTED



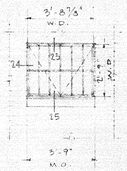
W2 ARCHITECTURAL PROJECTED



W3 ARCHITECTURAL PROJECTED



W4 ARCHITECTURAL PROJECTED

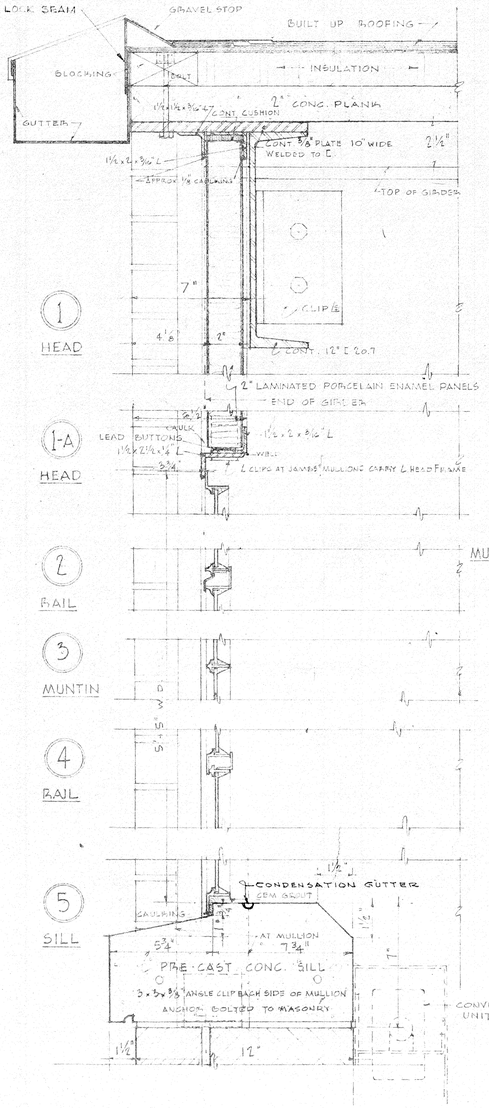


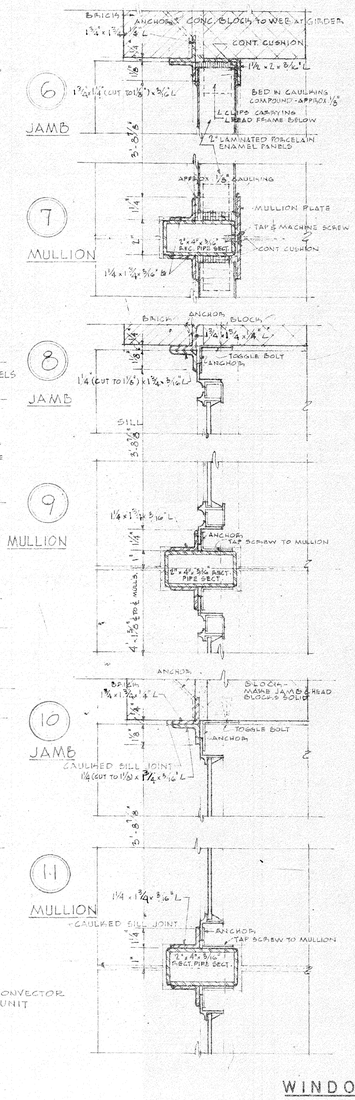
W5 SECURITY SASH

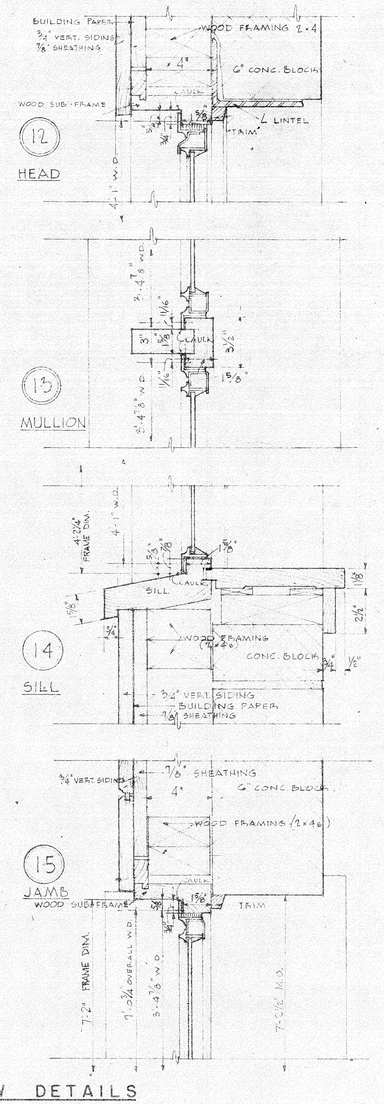
W6 ARCHITECTURAL PROJECTED FOR DETAILS SEE SHEET 11

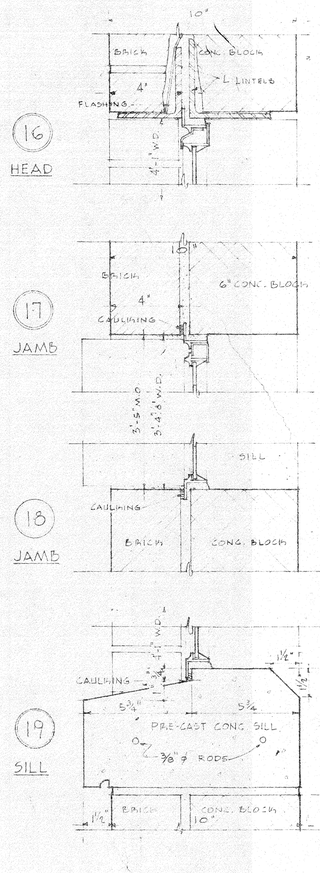
## WINDOW TYPES

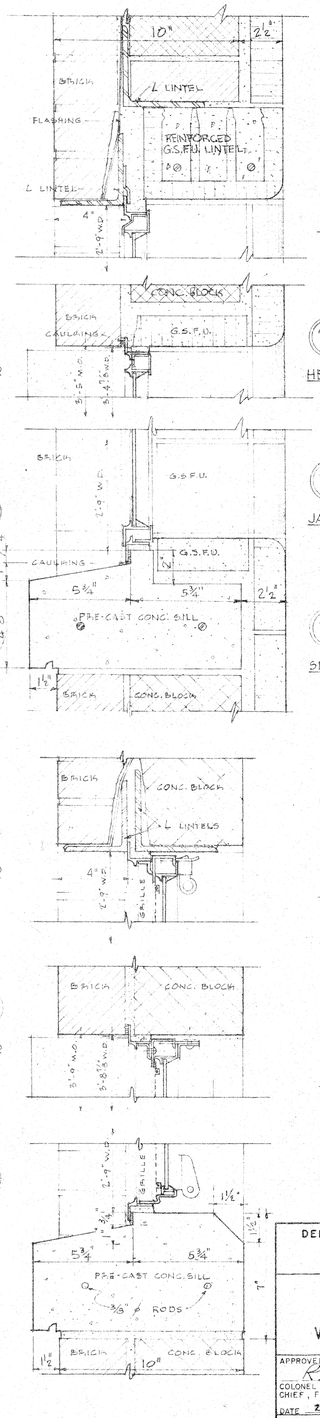
SCALE : 1/4" = 1'-0"

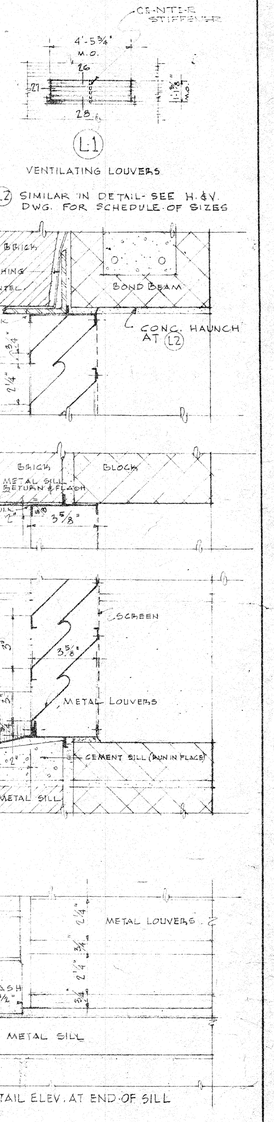



DETAIL ELEV. AT END OF SILL

## WINDOW DETAILS

SCALE : 3" = 1'-0"

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

**ONE UNIT ARMORY**

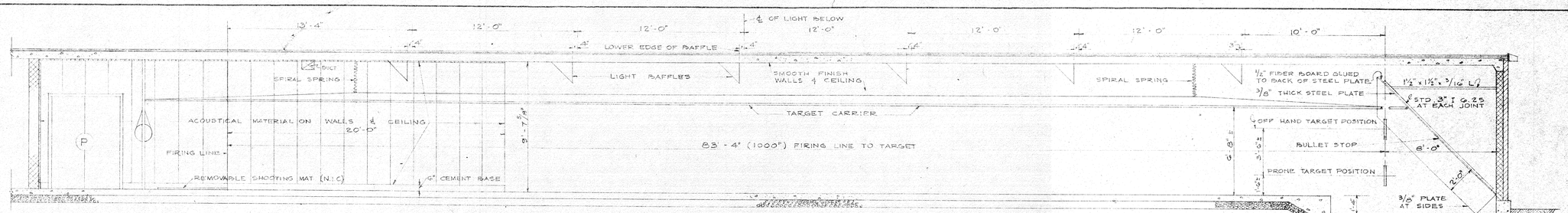
WINDOW SCHEDULE & DETAILS

APPROVED FOR THE CHIEF, NGB
R. R. Sedille
COLONEL, N.G.B.
CHIEF, F.B.C. BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: AS NOTED
SPECIFICATIONS
SHEET 12 OF 29

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

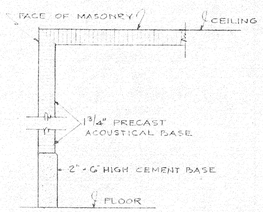
15




NOTE: SEE SHEET 3B FOR REVISED →

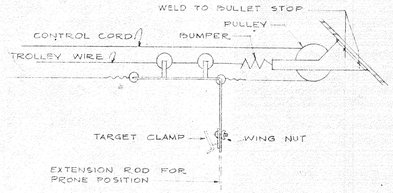
## SECTION THRU RIFLE RANGE

SCALE 1/4" = 1'-0"



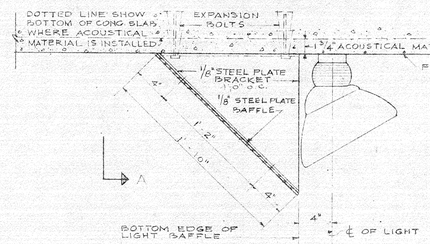

SECTION SHOWING ACOUSTIC MATERIAL IN RIFLE RANGE

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

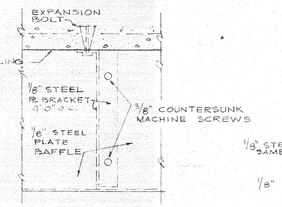



TARGET CARRIER

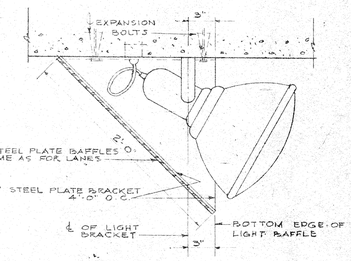
NO SCALE




LANE LIGHT BAFFLE



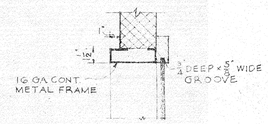

ELEVATION A




TARGET LIGHT BAFFLE

## DETAILS OF LIGHT BAFFLES

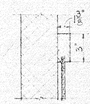
SCALE 1 1/2" = 1'-0"




SECTION K

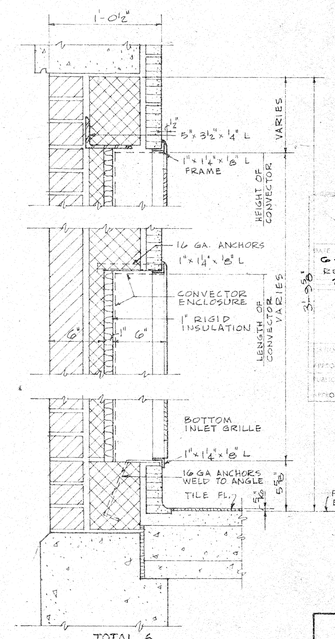
(JAMB & SILL SIMILAR)

SECTION L



SECTION M

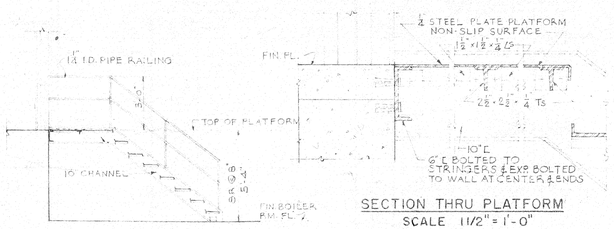
SECT. SCALE 1 1/2" = 1'-0"




TOTAL 6

DETAIL OF RECESSED CONVECTOR

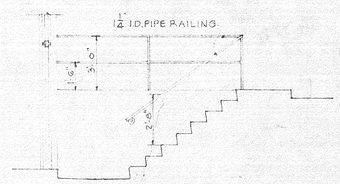
SCALE: 1 1/2" = 1'-0"



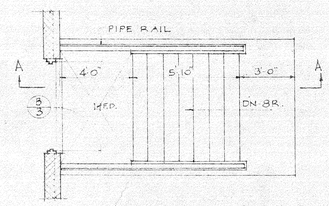

SECTION

SECTION THRU PLATFORM

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



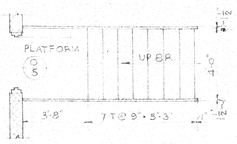

SECTION A-A




PLAN

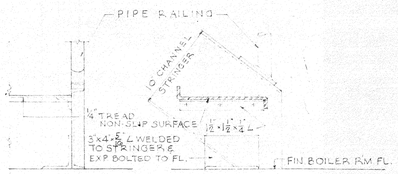
DETAILS OF BOILER ROOM STAIR

SCALE 1/4" = 1'-0"




PLAN

SCALE 1/4" = 1'-0"

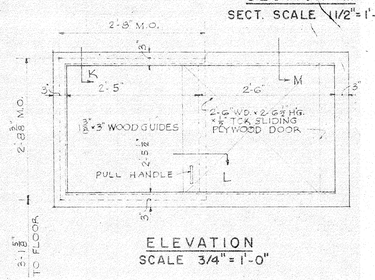



ELEVATION SECTION

DETAIL AT FOOT OF STRINGER

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

DETAILS OF STAIR IN BOILER ROOM




ELEVATION

SCALE 3/4" = 1'-0"

SLIDING WICKET DETAILS

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR. COMMISSIONER
NATIONAL GUARD BUREAU
6-21-54 REVISED 2-1-56
PUTNAM, CONN.
CP-G-166 CONTRACT NO 17.37
FLETCHER-THOMPSON, INC
ARCHITECTS ENGINEERS
BRIDGEPORT, CONNECTICUT
NATIONAL GUARD
APPROVAL DATE
PUBLIC WORKS DIR.
APPROVAL DATE

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

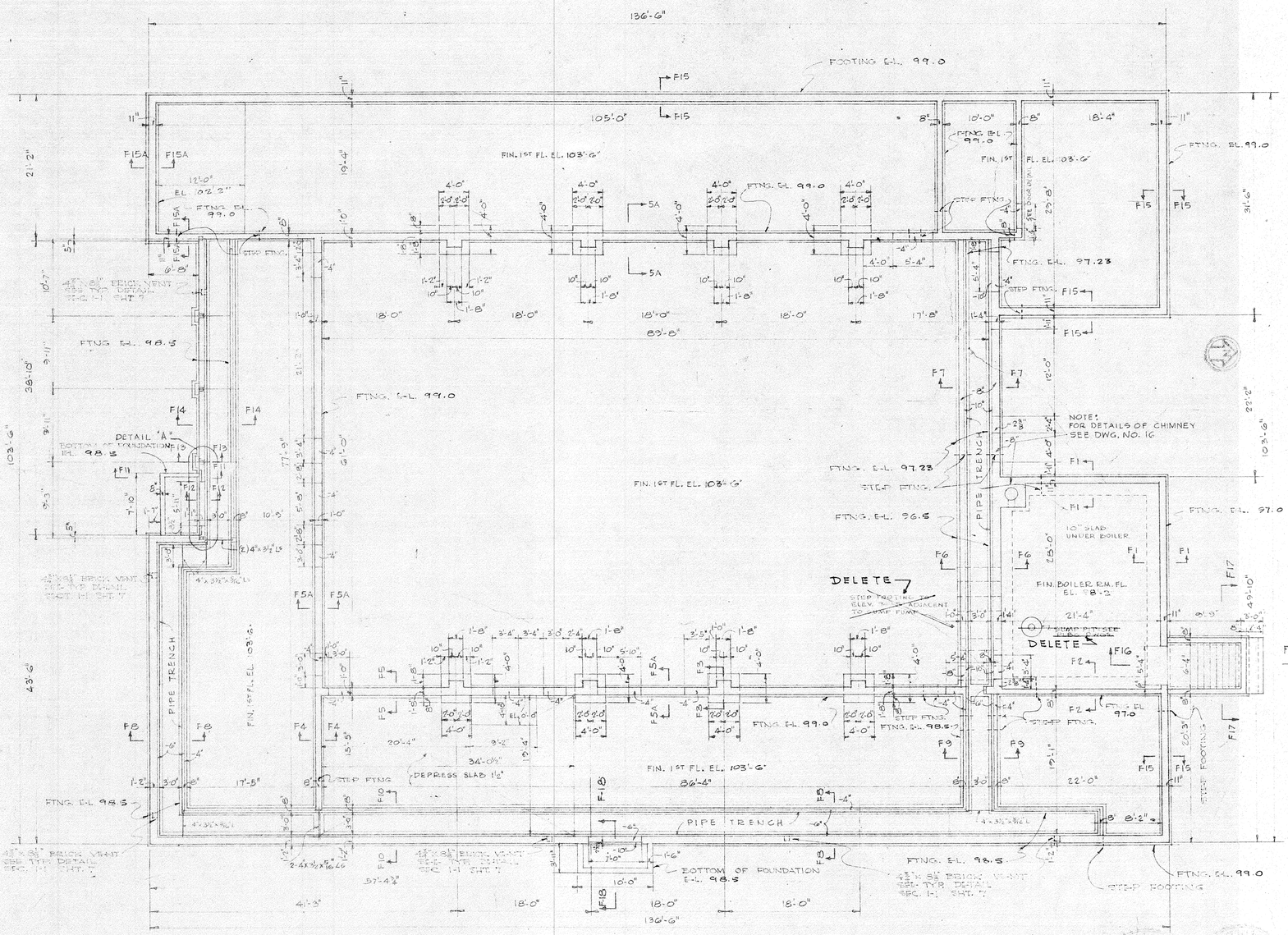
# ONE UNIT ARMORY

## RIFLE RANGE & MISCELLANEOUS DETAILS

| | |
|---|---|
| APPROVED FOR THE CHIEF, NGB<br>R. R. Sedillo<br>COLONEL, N G B<br>CHIEF, F&C BRANCH, ARMY DIV.<br>DATE 24 APRIL 1952 | SCALE AS NOTED<br>SPECIFICATIONS<br>SHEET 13 OF 29 |

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

16




FOUNDATION PLAN

NOTE
TOP OF FOUNDATION WALL AT ELEVATION 103'-3⅜" UNLESS OTHERWISE INDICATED.
ALL FOOTING ELEVATIONS ARE TO BOTTOM OF FOOTING UNLESS OTHERWISE NOTED.

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
6-21-54
REVISED 2-1-56
PUTNAM,
CP-G-166
CONTRACT NO 1737
FLETCHER-THOMPSON, INC.

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

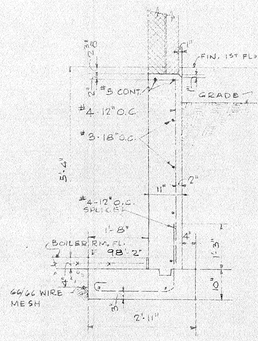
# ONE UNIT ARMORY

## FOUNDATION PLAN

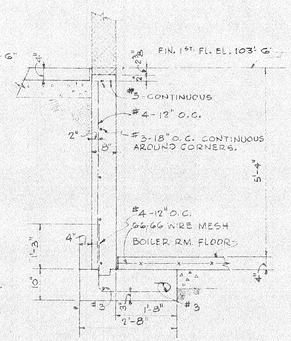
APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: 1/8" = 1'-0"
SPECIFICATIONS
SHEET 14 OF 29

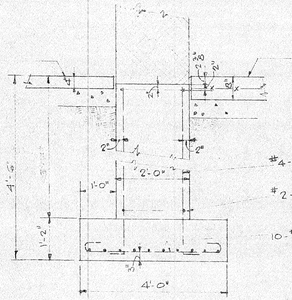
REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.



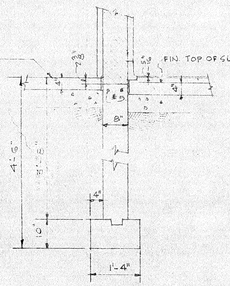

SECTION F1-F1



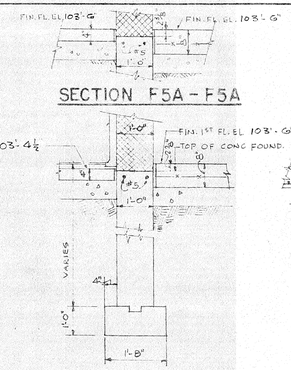

SECTION F2-F2




SECTION F3-F3

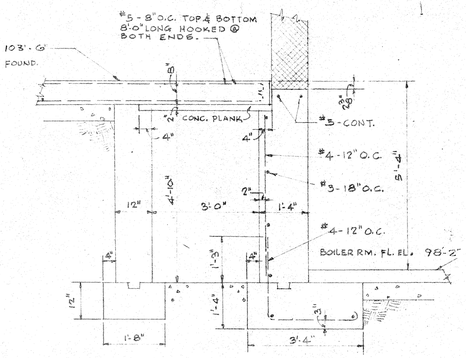



SECTION F4-F4



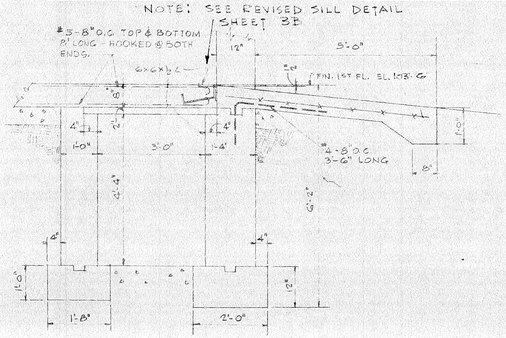

SECTION F5A-F5A

SECTION F5-F5

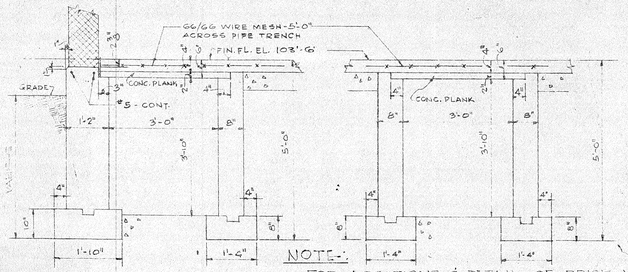



SECTION F6-F6

NOTE: SEE REVISED SILL DETAIL SHEET 3B




SECTION F7-F7

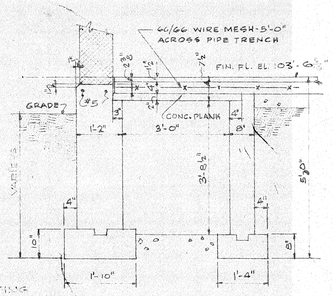



SECTION F8-F8

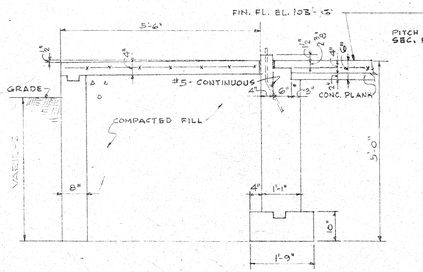



SECTION F9-F9

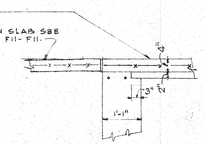
NOTE: FOR LOCATIONS & DETAIL OF BRICK VENTING TO PIPE TRENCHES SEE SHEETS 5, 7, & 14



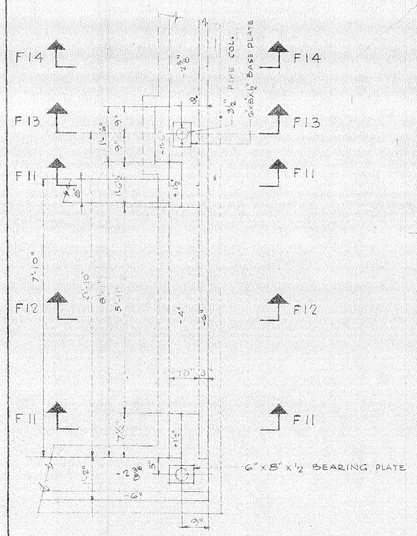

SECTION F10-F10



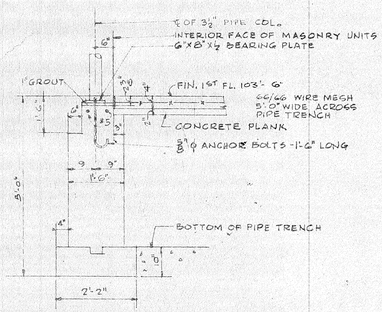

SECTION F11-F11



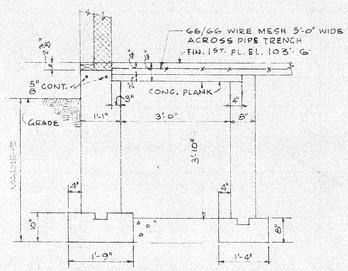

SECTION F12-F12



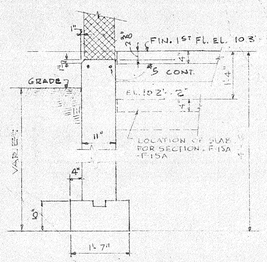

DETAIL A




SECTION F13-F13



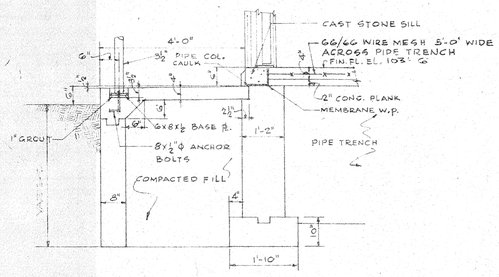

SECTION F14-F14




SECTION F15-F15

SECTION F15A-F15A

(SHOWN DOTTED)




SECTION F18-F18

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.

6-21-54
REVISED
2-1-56

PUTNAM, CONN.

CP-Q-166
CONTRACT NO 1737

FIELDNER-ISAACSON CO., INC.

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

# ONE UNIT ARMORY

## FOUNDATION DETAILS

APPROVED FOR THE CHIEF, NGB
R. R. Searles
COLONEL, N.G.B.
CHIEF, F&C BRANCH, ARMY DIV.

DATE 24 APRIL 1952

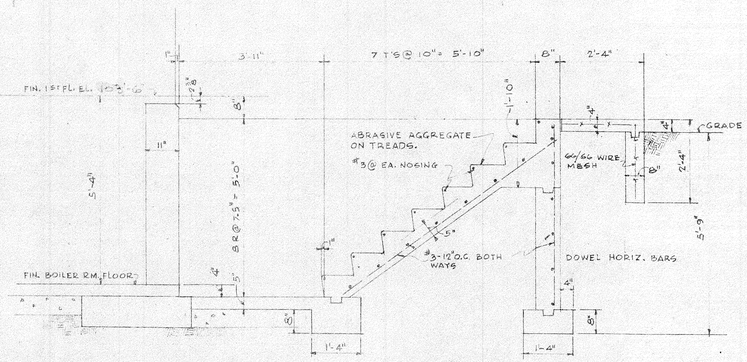
SCALE: 1/2" = 1'-0"

SPECIFICATIONS

SHEET 15 OF 23

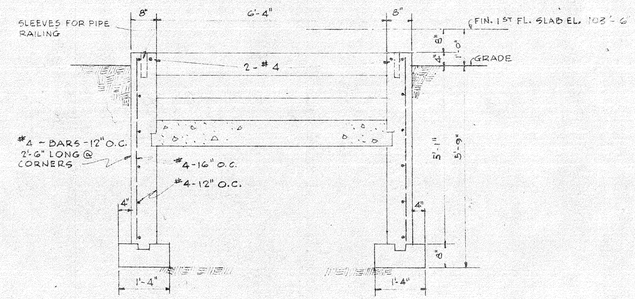
REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

18



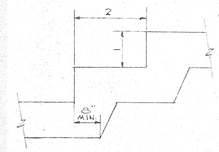

SECTION F16 - F16

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




SECTION F17-F17

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

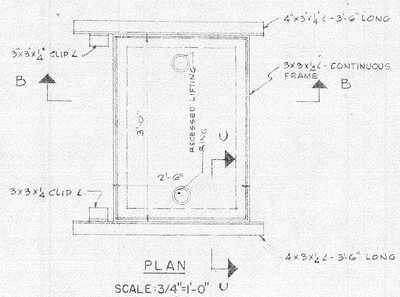



TYPICAL FOOTING STEP

NO SCALE

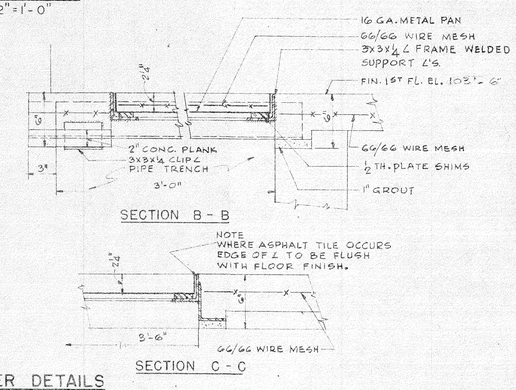
## FOUNDATION NOTES

1. FOUNDATIONS DESIGNED FOR 4000 LBS/FT$^2$
2. CONCRETE SHALL DEVELOPE A STRENGTH OF 2500#/IN.$^2$ AT 28 DAYS.
3. NO BACKFILLING AGAINST PIPE TRENCH WALLS UNTIL CONCRETE PLANK OVER TRENCH IS IN PLACE.
4. FOOTINGS SHALL EXTEND TO BELOW FROST OR 1'-0" BELOW EXISTING GRADE AND BEAR ON UNDISTURBED SOIL.
5. PROVIDE ½" PREMOLDED JOINT FILLER AT JUNCTION OF SLABS AND FOUNDATION WALLS, EXCEPT WHERE OTHERWISE NOTED.
6. NO REINFORCEMENT REQUIRED FOR SLABS ON FILL EXCEPT AS SHOWN.
7. INSTALL PIPE SLEEVES AND INSERTS WHERE REQUIRED BY OTHER TRADES.
8. PROVIDE 2-#5 RODS CONTINUOUS AT TOP OF ALL FOUNDATION WALLS.
9. THICKNESS OF SLAB ON EARTH IN ASSEMBLY HALL TO BE 8" WITH 66/44 STYLE MESH. SLAB DESIGNED FOR 15000 # WHEEL LOADS. FOR OTHER LOADS CONSULT WAR DEPARTMENT MANUAL FOR PAVEMENT DESIGN, PART XII, CHAPTER 3.




PLAN

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

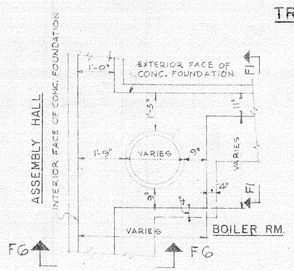



SECTION B - B

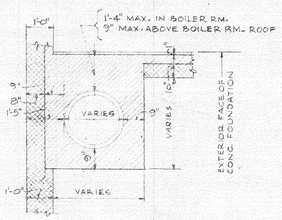
SECTION C - C

TRENCH COVER DETAILS

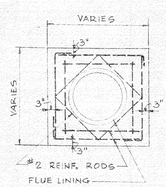
SCALE: 1 1/2" & 3/4" = 1'-0"



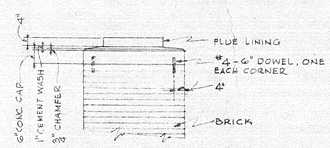

CHIMNEY FOUNDATION PLAN




PLAN THRU CHIMNEY AT BOILER RM.




REINFORCED CONCRETE CAP

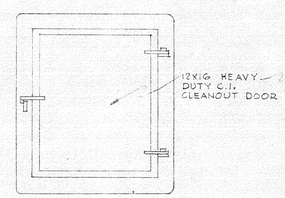



NOTE: FOR SIZE OF FLUE LINING SEE MECHANICAL DRAWINGS.

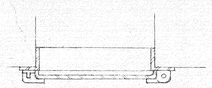
ELEVATION

DETAILS OF CHIMNEY

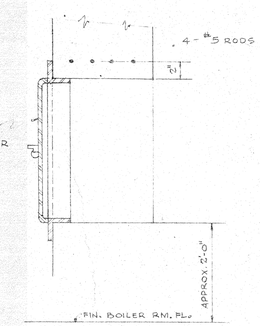
SCALE: 3/8" = 1'-0"




ELEVATION



PLAN

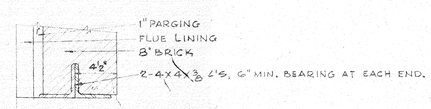



SECTION

NOTE: SEE MECHANICAL DW'GS FOR LOCATION OF CLEANOUT DOOR

DETAIL OF CLEANOUT DOOR

NO SCALE




NOTE: FOR SIZE & LOCATION OF BREECHING SEE MECHANICAL DW'GS.

DETAIL OF LINTEL AT BREECHING

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

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
THOMAS J. O'BRIEN, JR.

6-21-54
REV. 1-5-50
2-1-56

PUTNAM, CONN.

CP-Q-166
CONTRACT NO. 1737

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

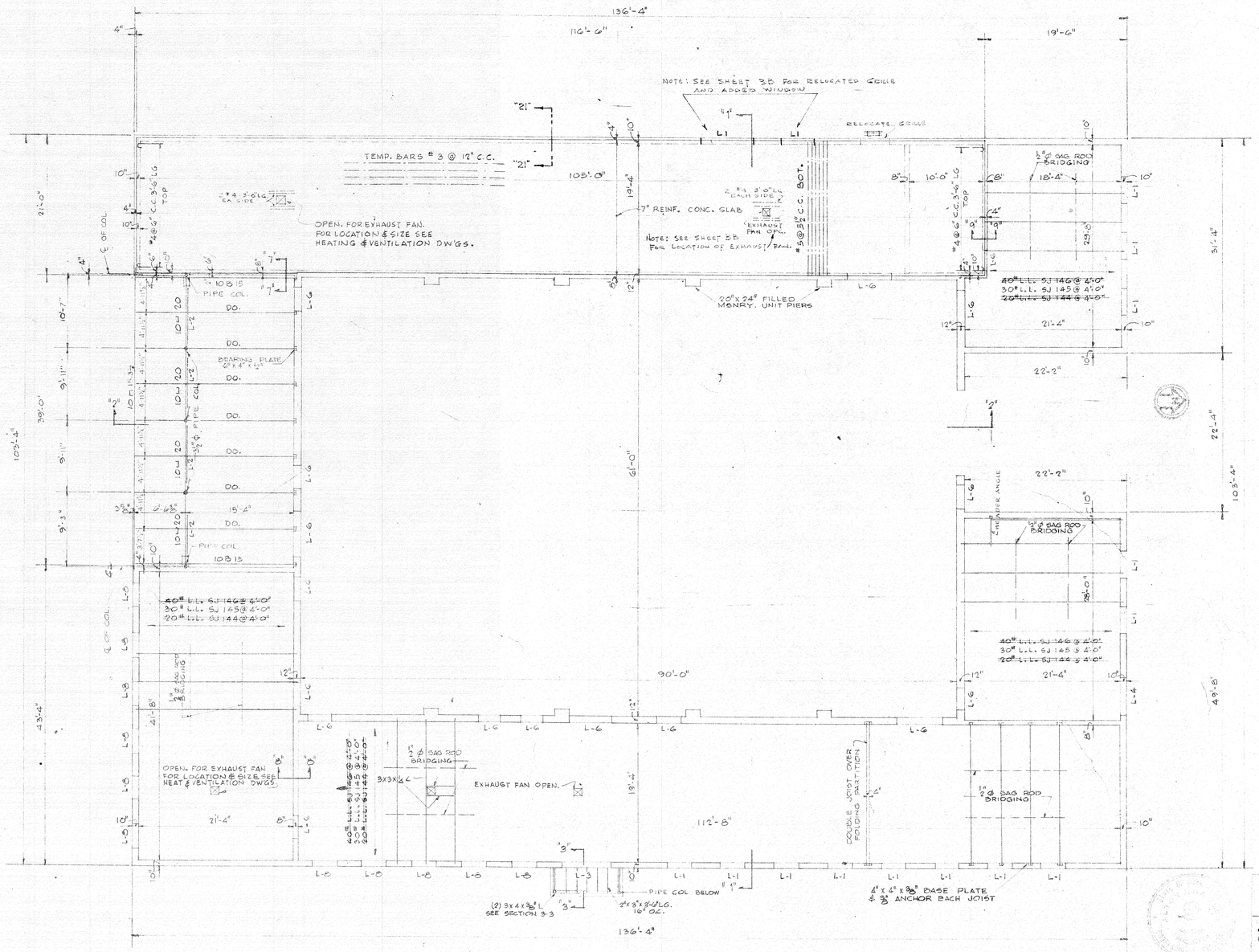
**ONE UNIT ARMORY**

FOUNDATION DETAILS

APPROVED FOR THE CHIEF, NGB
R. K. Sedille
COLONEL, N.G.B.
CHIEF, F.B.C. BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: AS NOTED
SPECIFICATIONS
SHEET 16 OF 29

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.




LOW ROOF FRAMING PLAN

(BASE BID)

## DESIGN CRITERIA

ROOF LIVE LOADS

~~20~~ 30 ~~40~~ PSF

ROOF DEAD LOAD

| | |
|---|---|
| 5 PLY ROOFING | 6.0 PSF |
| 2" CONC. PLANK | 13.0 " |
| CEILING | 10.0 " |
| INSULATION | 1.0 " |
| | 30.0 PSF |

WORKING STRESSES

STEEL GIRDERS 20,000 PSI

NOTE:

FOR SECTIONS 1, 2, & 3 SEE ARCH.

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.

6-21-54
REVISED 2-1-56
PUTNAM,

CP-Q-166
CONTRACT NO 1737

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

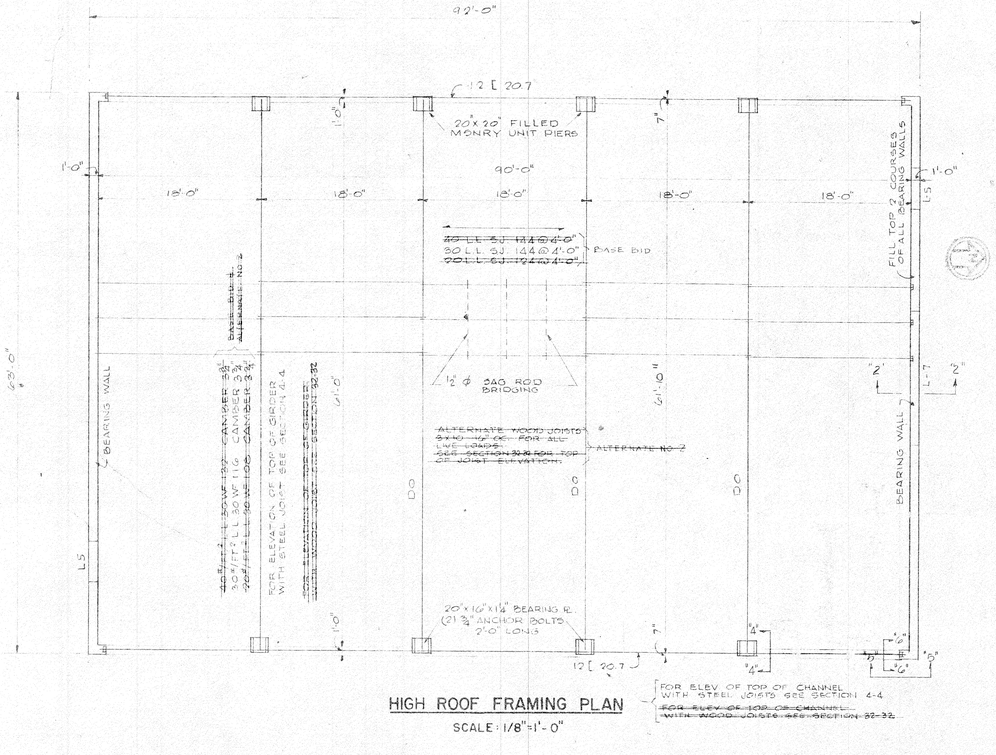
# ONE UNIT ARMORY

## LOW ROOF FRAMING PLAN

APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F.B.C. BRANCH, ARMY DIV.
DATE 24 APRIL 1952

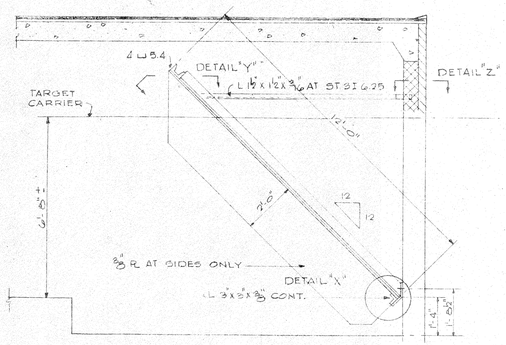
SCALE: 1/8" = 1'-0"
SPECIFICATIONS
SHEET 17 OF 29

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.



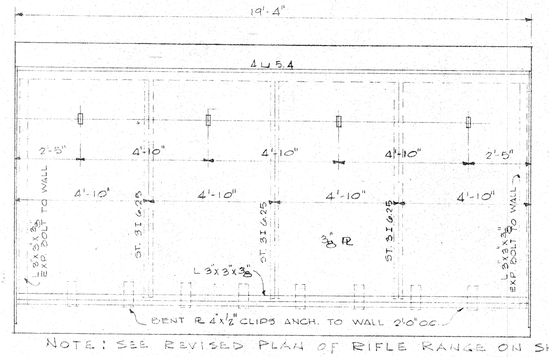

## HIGH ROOF FRAMING PLAN

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




## SECTION

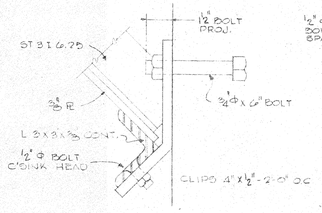
SCALE: 3/8"=1'-0"




NOTE: SEE REVISED PLAN OF RIFLE RANGE ON SHEET 38

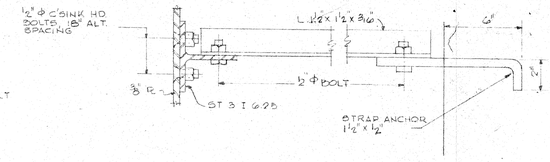
## ELEVATION

SCALE: 3/8"=1'-0"




## DETAIL - "X"

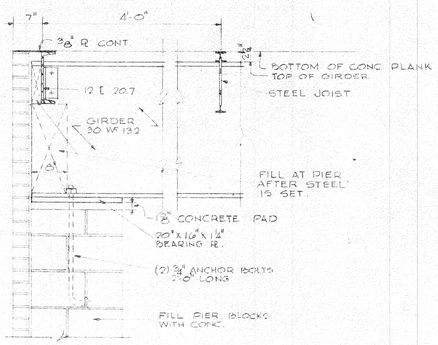
SCALE: 3"=1'-0"



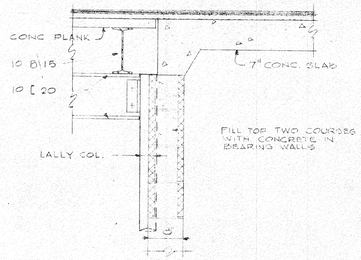

## DETAIL - "Y" DETAIL - "Z"

SCALE: 3" = 1'-0"

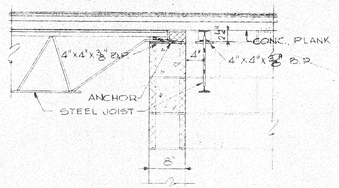
## DETAILS OF BULLET STOP



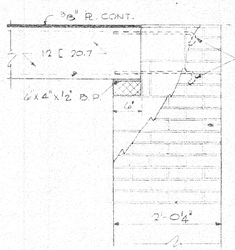

## SECTION 4 - 4



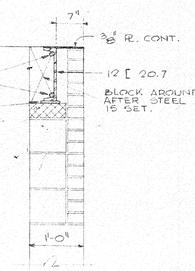

## SECTION 7 - 7



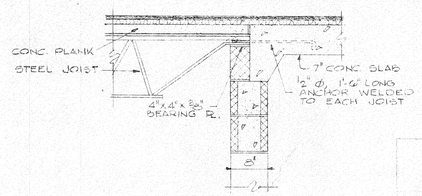

## SECTION 8 - 8




## SECTION 5 - 5




## SECTION 6 - 6




## SECTION 9 - 9

## TYPICAL DETAILS

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

## GENERAL NOTES

1. ALL BOND BEAMS TO BE CONTINUOUS UNLESS OTHERWISE SHOWN AND TO HAVE (2) #4 CONTINUOUS BARS IN BOTTOM. ADDITIONAL BARS OVER OPENINGS AS CALLED FOR IN LINTEL SCHEDULE.
2. ALL MASONRY UNITS RECEIVING ANCHOR BOLTS OR STRAPS ARE TO BE FILLED WITH CONCRETE.
3. IN ALL BEARING WALLS THE TWO COURSES BELOW BOTTOM OF JOIST BEARING ARE TO BE FILLED WITH CONCRETE.
4. ALL BLOCK BETWEEN JOISTS ARE TO BE FILLED SOLID.
5. PROVIDE GOVERNMENT ANCHORS FOR ALL BEAMS AND JOISTS BEARING ON MASONRY UNLESS OTHERWISE SHOWN.
6. ALL LINTELS SHALL HAVE 6" MINIMUM BEARING EACH SIDE UNLESS OTHERWISE SHOWN.
7. CONCRETE SHALL DEVELOPE A STRENGTH OF 2500 P.S.I. AT 28 DAYS. REINFORCEMENT SHALL BE INTERMEDIATE GRADE DEFORMED BARS.
8. PROVIDE 3/4" COVER FOR REINFORCEMENT IN SLABS.
9. BRIDGING SHALL BE 1/2" SAG ROD BRIDGING AT THIRD POINTS OF ALL SPANS.
10. PROVIDE A TYPICAL JOIST 4" CLEAR OF ALL END WALLS AND BEARING WALLS PARALLEL TO JOIST, WITH SIDE WALL ANCHORS AT EVERY THIRD POINT.
11. ALL STEEL JOISTS TO HAVE 4"x4"x3/8" BP & 4" MINIMUM BEARING AT BEARING WALLS - UNLESS OTHERWISE NOTED.

## LINTEL SCHEDULE

| MARK | WALL THICK. | WALL TYPE | LINTEL | REMARKS |
|---|---|---|---|---|
| L-1 | 10" | CONC BLK & BRICK | L 3 1/2 x 3 1/2 x 1/4" L 3 1/2 x 5 x 1/4" | |
| L-2 | 6" | CONC. BLK. | L 5 x 3 1/2 x 5/16 8'-0" LONG. | |
| L-3 | 10" | CONC BLK & BRICK | (2) L's 3 1/2" x 3 1/2" x 1/4" 7" x 4" x 3/8" 3'-0" LONG | |
| L-4 | 10" | CONC BLK & BRICK | L 3 1/2" x 3 1/2" x 1/4" L 4" x 3" x 1/4" 6'-4" LONG | |
| L-5 | 12" | CONC. BLK & BRICK | CONT. BOND BEAM 2 #4 TOP L 5" x 3 1/2" x 1/4" 5'-6" LG. | |
| L-6 | 8" & 12" | CONC BLK | CONT. BOND BEAM 2 #4 TOP | |
| L-7 | 12" | CONC BLK & BRICK | (2) 8 [ 11.5 R. 11.5" x 3/16" x 12'-0" LONG | |
| L-8 | 10" | BRICK & G.S.F.U. | L 3 1/2" x 3 1/2" x 1/4" L 3 1/2" x 5" x 1/4" 4'-5" LONG | |

PUBLIC WORKS DEPARTMENT
T. A. MURPHY, JR.
6-21-54
REVISED 2-1-56
PUTNAM,
LP-Q-166
CONTRACT NO 1737

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

# ONE UNIT ARMORY

## HIGH ROOF FRAMING PLAN & DETAILS

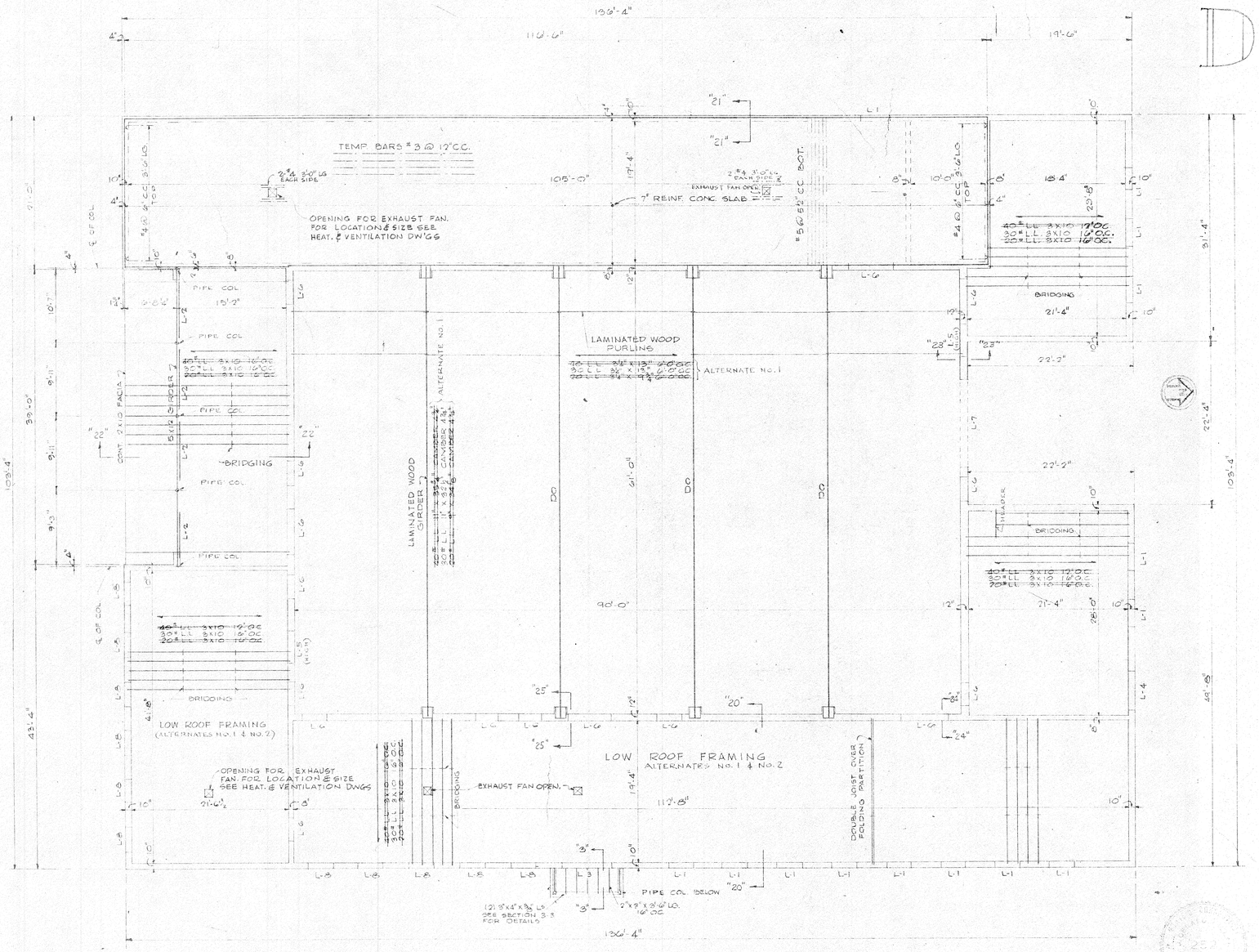
APPROVED FOR THE CHIEF, NGB
R. R. Scobillo
COLONEL, N G B
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: AS NOTED
SPECIFICATIONS
SHEET 18 OF 29

REISNER & URBAHN
ARCHITECTS-ENGINEERS
NEW YORK, N.Y.

21

THIS SHEET DELETED




ROOF FRAMING (WOOD ALTERNATE)

## DESIGN CRITERIA
(FOR ALTERNATE WOOD FRAMING)

ROOF LIVE LOADS:
~~20~~, 30, ~~40~~ PSF.

ROOF DEAD LOADS:

| | | |
|---|---|---|
| HIGH ROOF | 5 PLY ROOFING | 6.0 PSF |
| | 2 PLANKING | 5.5 " |
| | INSULATION | 1.0 " |
| | CEILING | 8.0 " |
| | | 20.0 PSF |
| LOW ROOF | 5 PLY ROOFING | 6.0 PSF |
| | SHEATHING | 3.0 " |
| | INSULATION | 1.0 " |
| | CEILING | 8.0 " |
| | JOIST | 6.0 " |
| | | 24.0 PSF |

WORKING STRESSES

| | |
|---|---|
| LAMINATED GIRDERS & PURLINS | 2,475 PSI BENDING<br>1,800,000 MODULUS |
| WOOD JOIST | 1,100 PSI BENDING<br>1,600,000 MODULUS |

15% INCREASE IN STRESSES FOR DESIGN OF ROOF MEMBERS.

FOR GENERAL NOTES AND LINTEL SCHEDULE SEE SHEET NO.

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.

6-21-52
2-1-56 PUTNAM,

CP-Q-166
CONTRACT NO 1737

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

**ONE UNIT ARMORY**

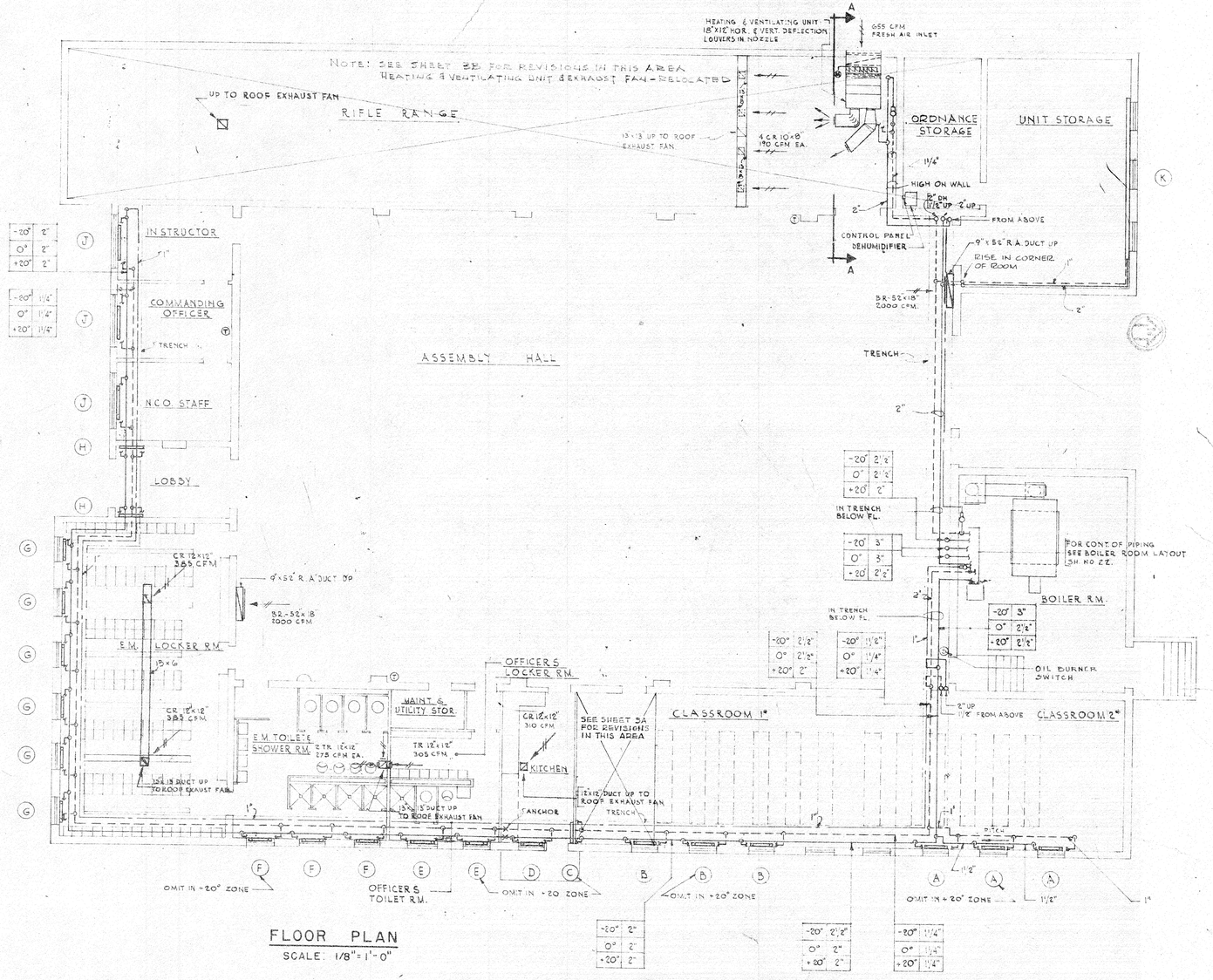
ROOF FRAMING
(WOOD ALTERNATE)

APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, NGB
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: 1/8" = 1'-0"
SPECIFICATIONS
SHEET 19 OF 29

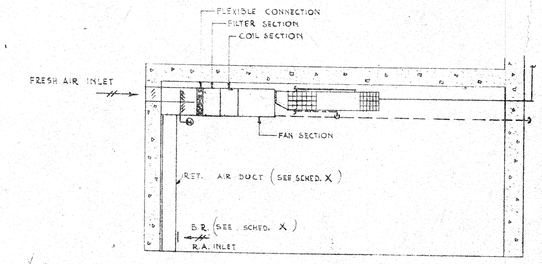
REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

22




## FLOOR PLAN

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




## SECTION A-A

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

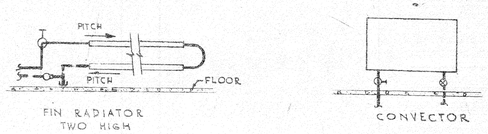
| SCHEDULE X | | | |
|---|---|---|---|
| ZONE | R.A. CFM | DUCT SIZE | B.R. SIZE |
| -20° | 1345 | 9 x 36 | 18 x 36 |
| 0° | 845 | 9 x 25 | 18 x 24 |
| +20° | 445 | 8 x 14 | 18 x 12 |

NOTE
DESIGN BASED ON 0° OUTSIDE TEMPERATURE

| RADIATION SCHEDULE | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CONVECTORS | | | | | | | | | FIN. TYPE RADIATORS | | |
| | 20° | | | 0° | | | +20° | | | -20° | 0° | +20° |
| | DEPTH IN | HEIGHT IN | ▯ | DEPTH IN | HEIGHT IN | ▯ | DEPTH IN | HEIGHT IN | ▯ | ▯ | ▯ | ▯ |
| A | 6 | 32 | 73 | 6 | 32 | 57 | 6 | 32 | 61 | 73 | 57 | 61 |
| B | 6 | 32 | 57 | 6 | 24 | 45 | 6 | 32 | 48 | 57 | 45 | 48 |
| C | 4 | 32 | 30 | 4 | 32 | 27 | — | — | — | 30 | 27 | — |
| SEMI RECESSED D | 6 | 32 | 43 | 4 | 32 | 30 | 6 | 32 | 43 | 43 | 30 | 40 |
| RECESSED E | 6 | 24 | 35 | 4 | 24 | 27 | 6 | 32 | 38.5 | 35.5 | 27.5 | 39 |
| RECESSED F | 6 | 24 | 35 | 4 | 32 | 28 | 6 | 24 | 30.5 | 35.5 | 27.5 | 29.5 |
| G | 6 | 32 | 47 | 6 | 24 | 36 | 4 | 32 | 26 | 46.5 | 36 | 26 |
| H | 4 | 32 | 30 | 4 | 24 | 22.5 | 4 | 24 | 16 | 29 | 23 | 16 |
| J | 6 | 32 | 61 | 6 | 24 | 47.5 | 4 | 24 | 36 | 60 | 47 | 34 |
| K | — | — | — | — | — | — | — | — | — | 252 | 197 | 141 |
| L | — | — | — | — | — | — | — | — | — | 82 | 82 | 78 |

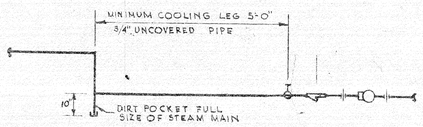
| SCHEDULE OF RISER & RADIATOR CONNECTIONS | | | | | | |
|---|---|---|---|---|---|---|
| | SUPPLY | | | RETURN | | |
| SQ. FT. OF RADIATION | RISERS | RADIATOR RUNOUTS | VALVE | TRAP | RADIATOR RUNOUTS | RISERS |
| 0 - 25 | 1" | 1" | 1/2" | 1/2" | 3/4" | 1" |
| 26 - 50 | 1 1/4" | 1 1/4" | 1/2" | 1/2" | 3/4" | 1" |
| 51 - 90 | 1 1/2" | 1 1/2" | 3/4" | 1/2" | 3/4" | 1" |
| 91 - 120 | 2" | 2" | 1" | 1/2" | 3/4" | 1" |
| 121 - 200 | 2" | 2" | 1 1/4 | 3/4" | 1" | 1" |
| 201 - 400 | 2 1/2" | 2 | 1 1/4 | 3/4 | 1 | 1" |
| | | | | | | |

NOTE
1 - FOR (K), (L) USE 2" FIN TYPE RADIATORS WITH 2" RUNOUT & 3/4" TRAP




## DETAILS OF TYPICAL CONNECTIONS

NO SCALE




## TYPICAL DRIP CONNECTION

NO SCALE

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MEAGHER, JR.
ARCHITECT

| | | |
|---|---|---|
| 6-21-54 | | CP-G-166 |
| REVISED | | CONTRACT NO |
| 2-1-56 | PUTNAM, | 1737 |

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

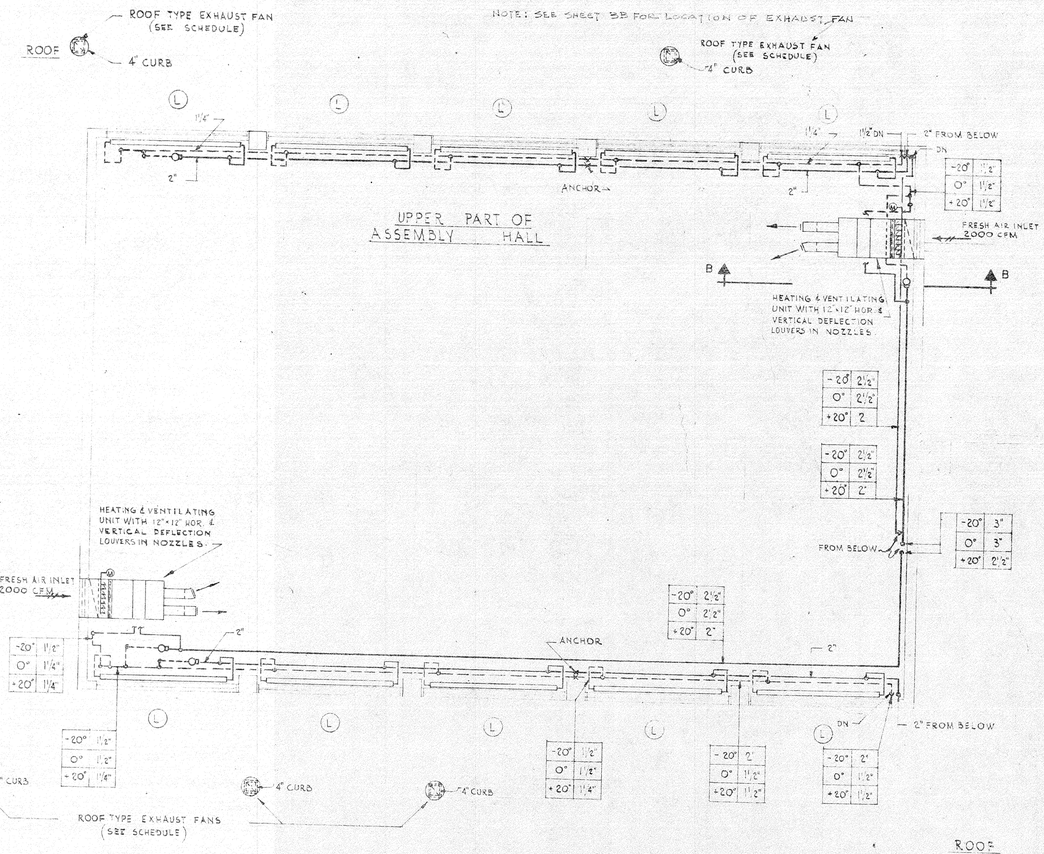
# ONE UNIT ARMORY
## HEATING & VENTILATING
## FLOOR PLAN

APPROVED FOR THE CHIEF, NGB
K. R. Sedille
COLONEL, NGB
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE AS NOTED
SPECIFICATIONS
SHEET 20 OF 29

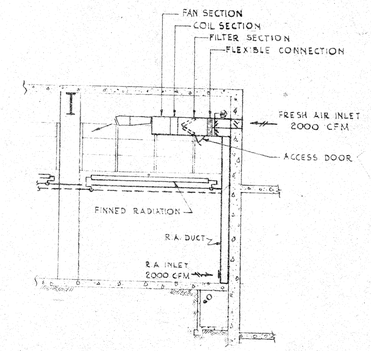
REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

23




## ROOF PLAN

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




## SECTION B-B

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

NOTE
DESIGN BASED ON 0° OUTSIDE TEMPERATURE

### HEATING & VENTILATING UNIT SCHEDULE

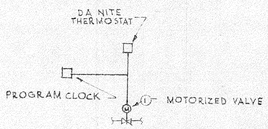
| | ASSEMBLY HALL | | | RIFLE RANGE | | |
|---|---|---|---|---|---|---|
| ZONE | - 20° | 0° | + 20 | - 20° | 0° | + 20 |
| C.F.M. OF STANDARD AIR DELIVERED | 2000 | 2000 | 2000 | 2000 | 1500 | 1100 |
| MAXIMUM OUTLET VELOCITY | 1430 | 1430 | 1430 | 1100 | 1100 | 1100 |
| TOTAL STATIC PRESSURE IN WATER | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 1/2" |
| COIL CAP. REQD. IN B.T.U.H. AT 2# STEAM & CORRESPONDING ENTERING AIR | 1225 | 860 | 640 | 795 | 620 | 430 |
| TEMP. OF AIR TO COILS | - 20° | 0° | + 20° | 42 | 38 | 41 |
| FINAL TEMP. | 116 | 96 | 80 | 130 | 130 | 130 |
| MOTOR HP | 3/4" | 3/4" | 3/4" | 3/4" | 1/2" | 1/3" |
| TRAP | 1¼" | 1" | 1" | 1" | 1" | 3/4" |
| SIZE OF STEAM VALVE | 2½" | 2" | 2" | 2" | 2" | 1½" |
| CAP. #/HR. AT 2# STEAM & 1# PRES. | 330 | 215 | 170 | 220 | 155 | 115 |

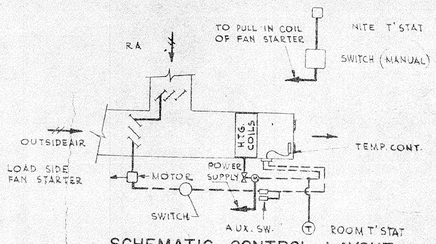
NOTE
1- COILS TO BE NON FREEZE TYPE

### EXHAUST FAN SCHEDULE

| LOCATION | S.P. | C.F.M. | FAN R.P.M. | WHEEL DIA. | MOTOR H.P. | MOTOR R.P.M. |
|---|---|---|---|---|---|---|
| E.M. TOILET & OFF. TOILET | 1/8" | 855 | 1140 | 13 1/8" | 1/8" | 1140 |
| KITCHEN | 1/8" | 370 | 1140 | 11 1/8" | 1/20" | 1140 |
| E.M. LOCKER R.M. | 3/8" | 770 | 1140 | 11 1/8" | 1/8" | 1140 |
| RIFLE RANGE | 3/8" | 750 | 1140 | 13 1/8" | 1/8" | 1140 |

NOTES.
FANS TO BE PROVIDED WITH AUTOMATIC DAMPERS ON INTAKE - TO CLOSE WHEN FAN MOTOR STOPS.




## SCHEMATIC CONTROL LAYOUT

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
COMMISSIONER
NAT. GUARD
DATE 6-21-54
REVISED 2-1-56
PUTNAM, CONN.
CP-Q-166
CONTRACT NO. 1737
FLETCHER-THOMPSON, INC.
ARCHITECTS - ENGINEERS
BRIDGEPORT, CONNECTICUT
NATIONAL GUARD
APPROVAL
PUBLIC WORKS DEPT.
APPROVAL

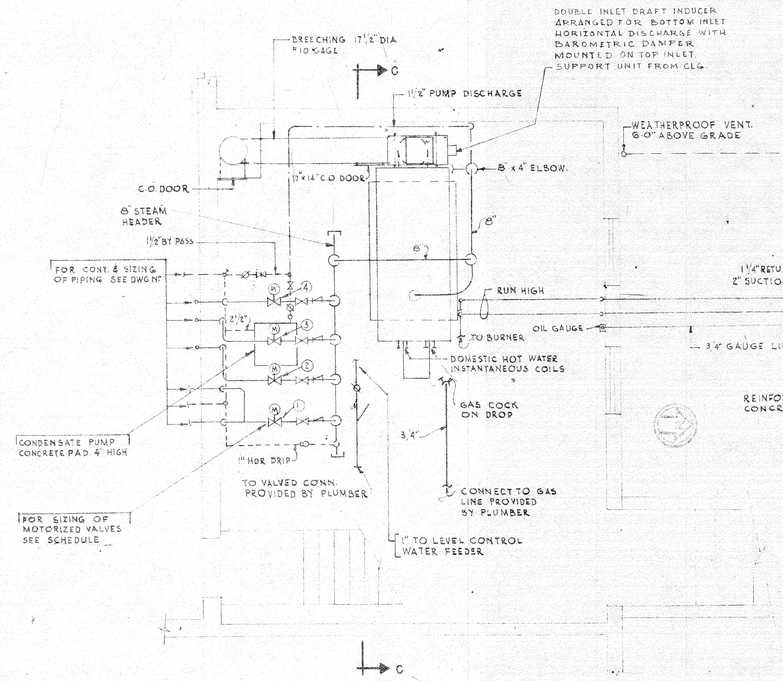
DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

# ONE UNIT ARMORY
## HEATING & VENTILATING ROOF & UPPER PART OF ASSEMBLY PLANS

APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F.B.C. BRANCH, ARMY DIV.
DATE 24 APRIL 1952

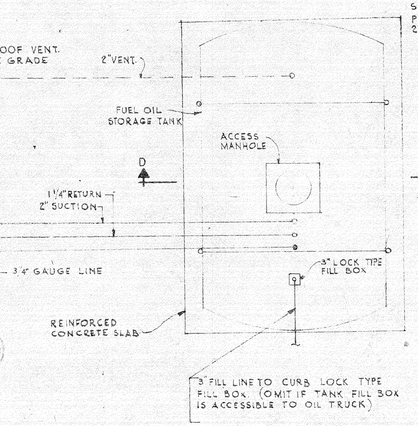
SCALE AS NOTED
SPECIFICATIONS
SHEET 21 OF 29

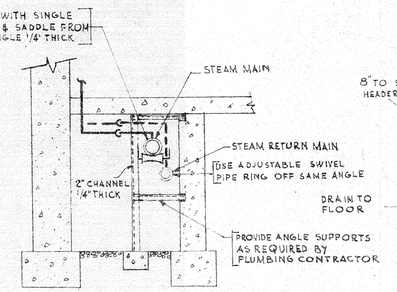
REISNER & URBAHN
ARCHITECTS-ENGINEERS
NEW YORK, N.Y.




BOILER ROOM PLAN

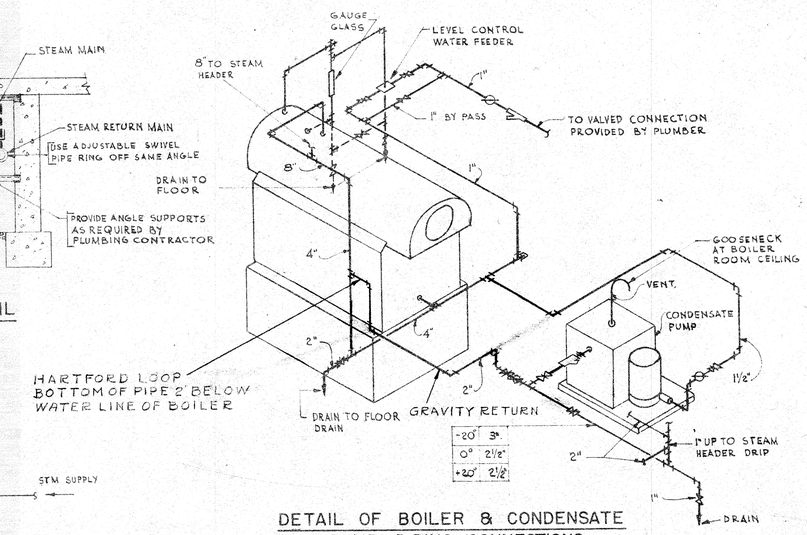
SCALE: 1/4" = 1'-0"




TRENCH DETAIL

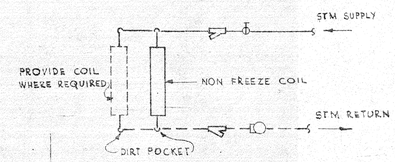
SCALE: 1/2" = 1'-0"




| | | |
|---|---|---|
| -20° | 3" | |
| 0° | 2 1/2" | |
| +20° | 2 1/2" | |

DETAIL OF BOILER & CONDENSATE PUMP PIPING CONNECTIONS

NO SCALE




TYPICAL COIL CONNECTION FOR HEATING & VENTILATING UNIT

NO SCALE

CONDENSATE PUMP SCHEDULE

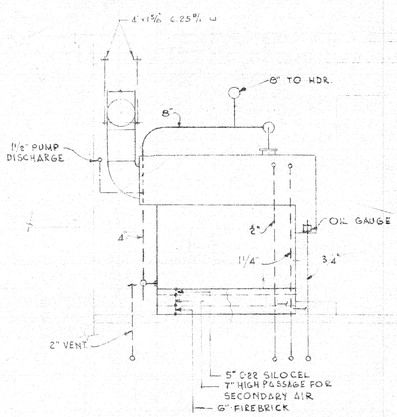
| ZONE | E.D.R. | CAP. G.P.M. | GAL. STORED BET. START & STOP. | CAP. GAL. TANK | DISCHARGE PRESSURE (P.S.I.) | MOTOR HP | MOTOR R.P.M. |
|---|---|---|---|---|---|---|---|
| -20° | 15,000 | 22.5 | 11.3 | 31 | 20 | 1 | 1750 |
| 0° | 10,000 | 15 | 7.5 | 31 | 20 | 3/4 | 1750 |
| +20 | 8,000 | 12 | 6.5 | 20 | 20 | 3/4 | 1750 |

NOTE
DESIGN BASED ON 0° OUTSIDE TEMPERATURE
BOILER SHALL BE OIL FIRED

BOILER ROOM EQUIPMENT SCHEDULE

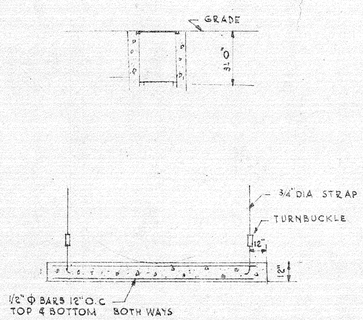
| ZONE | BOILER CAPACITY E.D.R. OIL | GAS INPUT | GAS OUTPUT | SMOKE CONN. DIA | CHIMNEY SIZE DIA | CHIMNEY SIZE HT ABOVE B.R.F.L. | OIL TANK CAP. | INDUCED DRAFT FAN DIA | INDUCED DRAFT FAN HP | MOTORIZED VALVE 1 | MOTORIZED VALVE 2 | MOTORIZED VALVE 3 | MOTORIZED VALVE 4 | OIL BURNER MAX GAL/HR. | OIL BURNER HP. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -20° | 10330 | 12920 | 10330 | 17 1/2" | 18" | 29' | 10,000 | 18 | 3/4 | 3" | 3" | 3" | 2" | 30 | 3/4 |
| 0° | 8500 | 10620 | 8500 | 17 1/2" | 18" | 29' | 8,000 | 18 | 3/4 | 3" | 3" | 3" | 2" | 30 | 3/4 |
| +20° | 6080 | 7600 | 6050 | 17 1/2" | 18" | 29' | 6,000 | 18 | 1/3 | 3" | 2 1/2 | 2 1/2 | 2" | 30 | 3/4 |

NOTES
1 FOR GAS FIRED BOILER PROVIDE ALL NECCESSARY GAS PIPING & EQUIPMENT REQUIRED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION AND AS PER STANDARDS OF AMERICAN GAS ASSOCIATION. A VALVED OUTLET WILL BE PROVIDED BY PLUMBING CONTRACTOR.
2. FOR GAS FIRED BOILER OMIT ALL OIL BURNING EQUIPMENT & ACCESSORIES.




SECTION C-C

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




SECTION D-D

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

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
DATE 6-21-54 2-1-56
NATIONAL GUARD ARMORY
PUTNAM, CONN.
PROJECT No. CP-G-166
CONTRACT No. 17.37
FLETCHER-THOMPSON, INC.
ENGINEERS
BRIDGEPORT CONNECTICUT
NATIONAL GUARD
APPROVAL DATE
PUBLIC WORKS DEPT.
APPROVAL DATE

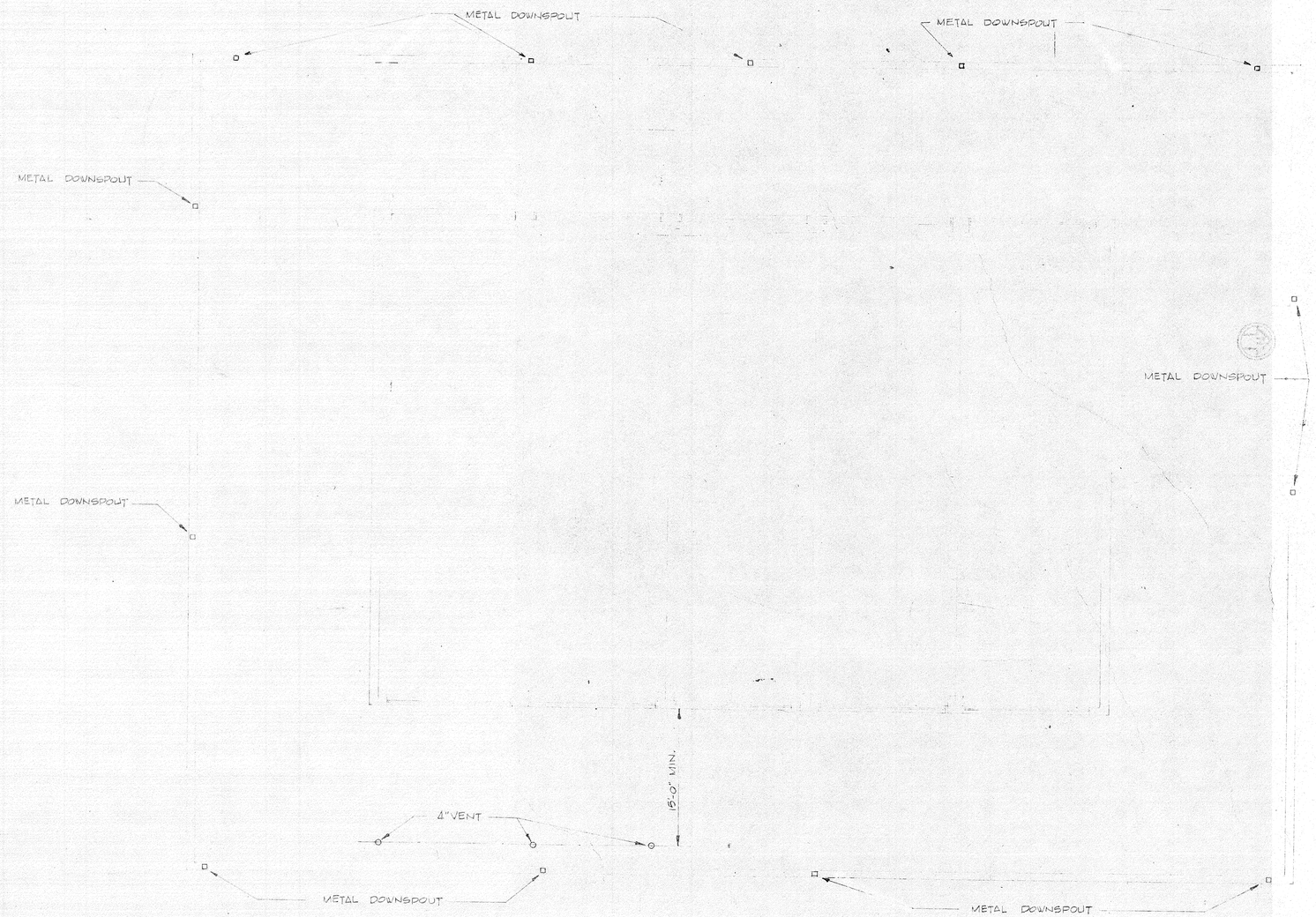
DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

# ONE UNIT ARMORY
## HEATING & VENTILATING
## BOILER ROOM LAYOUT & DETAILS

APPROVED FOR THE CHIEF, N.G.B.
R. R. Scalle
COLONEL, N.G.B.
CHIEF, F.B.C. BRANCH, ARMY DIV.
DATE 24 APRIL 1952

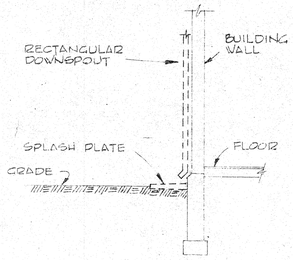
SCALE: AS NOTED
SPECIFICATIONS
SHEET 22 OF 29

REISNER & URBAHN
ARCHITECTS-ENGINEERS
NEW YORK, N.Y.




## ROOF PLAN

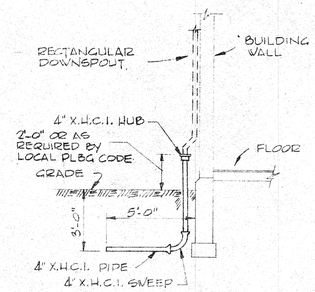
SCALE: 1/8"=1'-0"




## SECTION A-A
## SCHEME 1

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

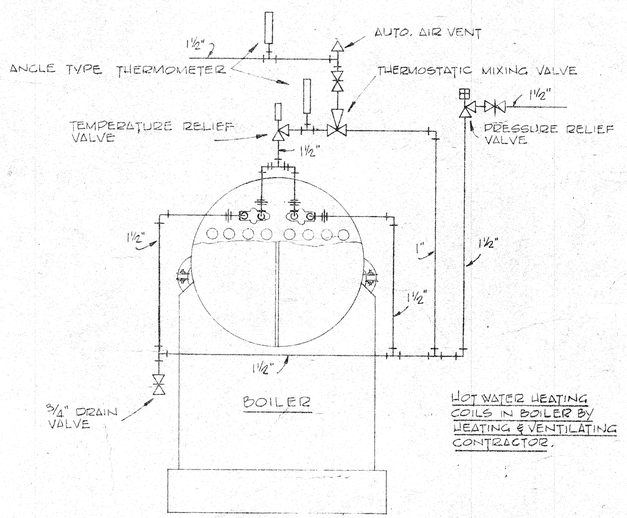
SHOWING DOWNSPOUT TERMINATING ON SPLASH PLATE.




## SECTION A-A
## SCHEME 2

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

SHOWING DOWNSPOUT TERMINATING IN X.H.C.I. HUB.




## DETAIL OF CONNECTION TO HOT WATER HEATER

NO SCALE

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR.
DATE
6-21-54
REVISED 2-1-56
PUTNAM, CONN.
CP-G-166
CONTRACT NO. 1757
FLETCHER-THOMPSON, INC.

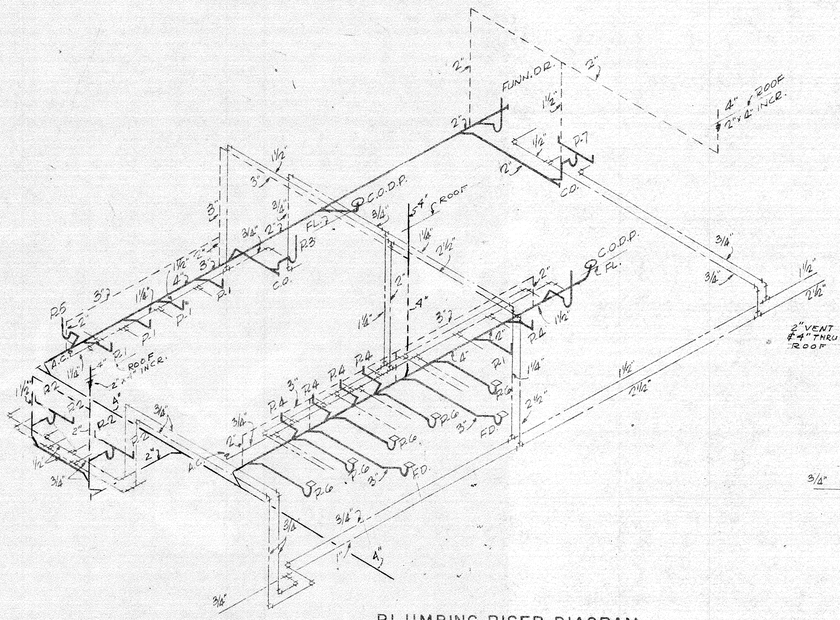
DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

**ONE UNIT ARMORY**
**PLUMBING**
**ROOF PLAN**

| | |
|---|---|
| APPROVED FOR THE CHIEF, NGB<br>R. R. Sedillo<br>COLONEL, N.G.B.<br>CHIEF, F&C BRANCH, ARMY DIV. | SCALE: AS NOTED |
| | SPECIFICATIONS |
| DATE 24 APRIL 1952 | SHEET 24 OF 23 |

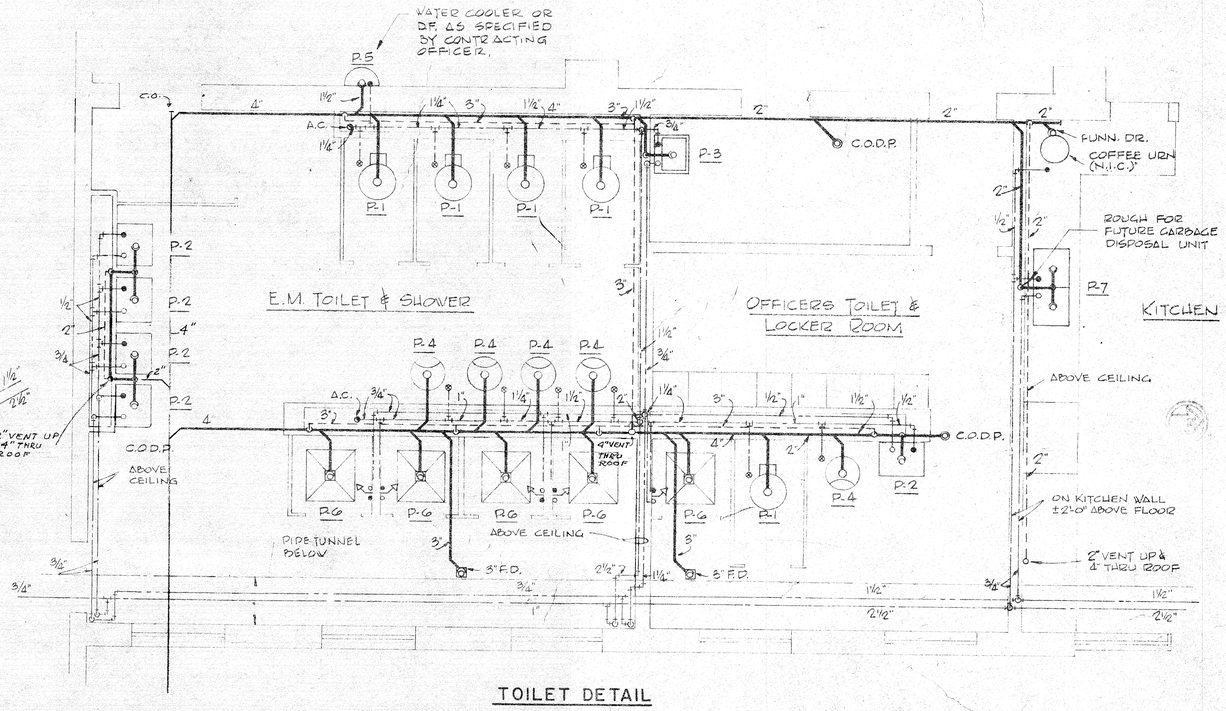
REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

27



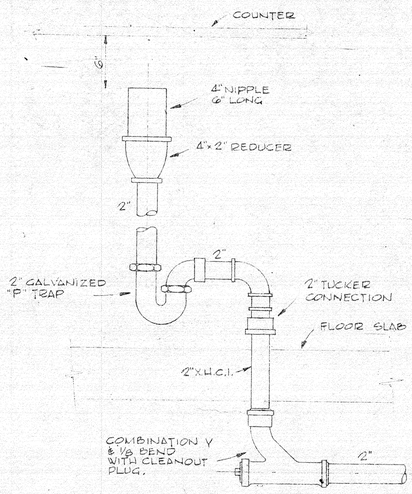

## PLUMBING RISER DIAGRAM

NO SCALE




## TOILET DETAIL

SCALE: 3/8" = 1'-0"




## DETAIL OF FUNNEL DRAIN

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

### TABLE OF MINIMUM PIPE SIZES

| ITEM NO. | P-1 | P-2 | P-3 | P-4 | P-5 | P-6 | P-7 |
|---|---|---|---|---|---|---|---|
| WASTE | 4 | 1 1/2 | 3 | 3 | 1 1/2 | 2 | 2 |
| VENT | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 | 1 1/2 |
| COLD WATER | 1 1/4 | 1/2 | 3/4 | 1 | 1/2 | 1/2 | 1/2 |
| HOT WATER | – | 1/2 | 3/4 | – | – | 1/2 | 1/2 |

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR. COMMISSIONER

DATE 6-21-54 REVISED 2-1-56
NATIONAL GUARD ARMORY AT PUTNAM, CONN.
PROJECT CP-G-166
CONTRACT NO 1737

PLANS ADAPTED TO SITE CONDITIONS BY
FLETCHER-THOMPSON, INC.
ARCHITECTS - ENGINEERS
BRIDGEPORT CONNECTICUT

NATIONAL GUARD
APPROVAL DATE
PUBLIC WORKS DEPT.
APPROVAL DATE

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

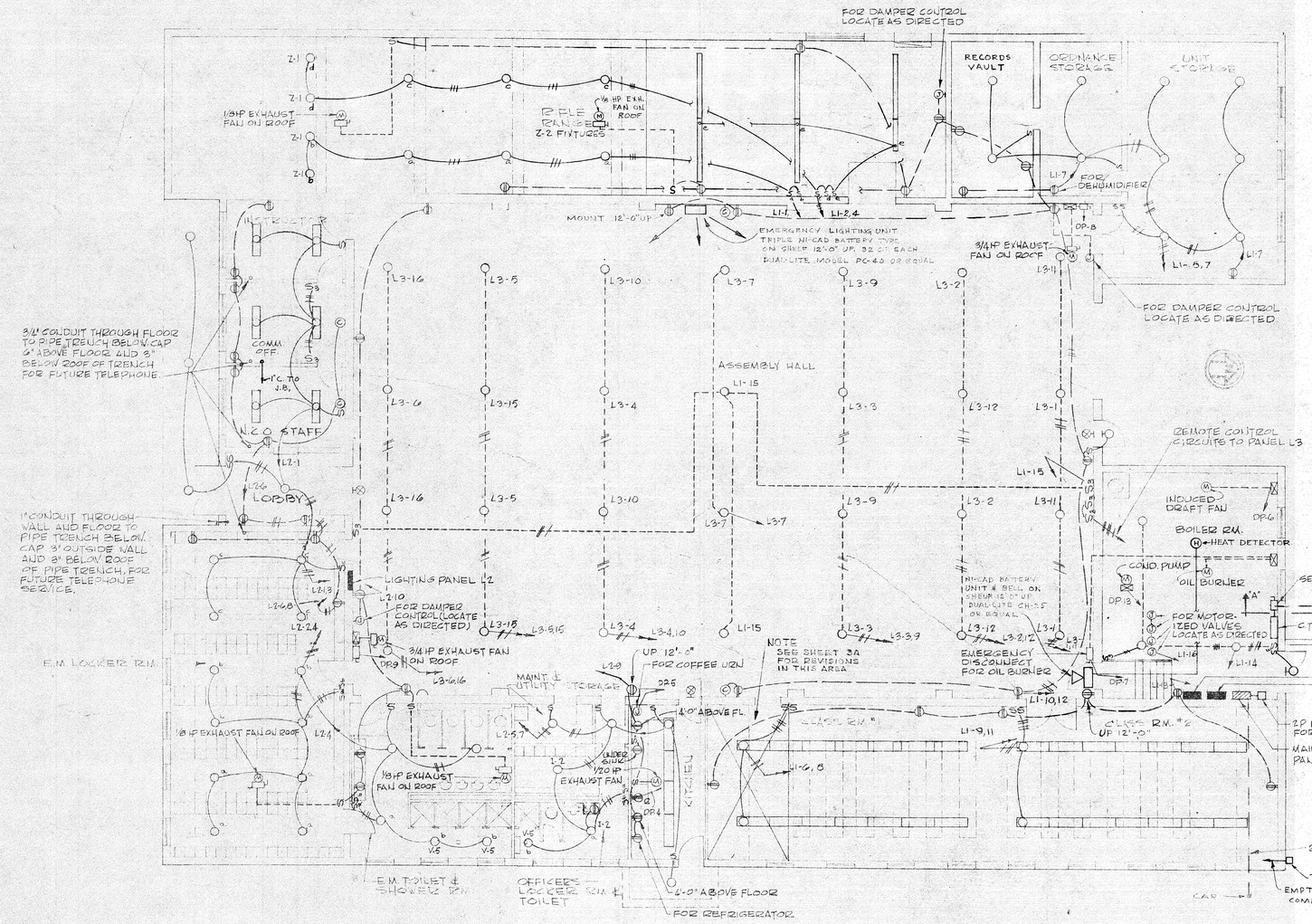
# ONE UNIT ARMORY
# PLUMBING
# DETAILS

APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F.&C. BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: AS NOTED
SPECIFICATIONS NO
SHEET 25 OF 28

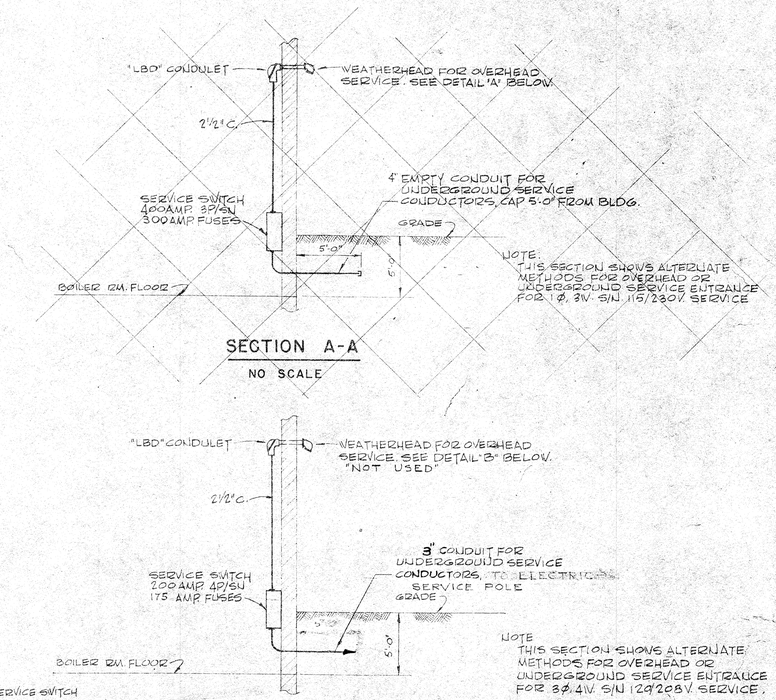
REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

28




## FLOOR PLAN

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



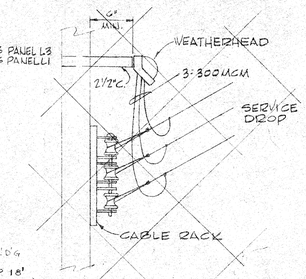

## SECTION A-A

NO SCALE



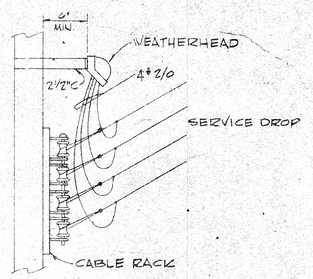

## SECTION A-A

NO SCALE



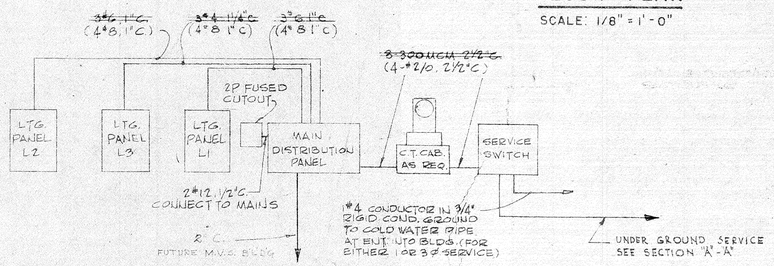

## DETAIL "A"

NO SCALE




## DETAIL "B" "NOT USED

NO SCALE




## RISER DIAGRAM

NO SCALE

NOTE:
CONDUCTOR & CONDUIT SIZES ENCLOSED WITHIN PARENTHESES ARE FOR 3 PHASE SERVICE

CONDUCTOR & CONDUIT SIZES NOT ENCLOSED WITHIN PARENTHESES ARE FOR 1 PHASE SERVICE.

FOR OTHER NOTES SEE SHEET 27

PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR
DATE 6-21-54
REVISED 2-1-56
PUTNAM,
CP-G-166
CONTRACT NO 1757
FITCHER & CARLSON, INC.

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D. C.

# ONE UNIT ARMORY
# ELECTRICAL
# FLOOR PLAN

APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F&C BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: AS NOTED
SPECIFICATIONS
SHEET 26 OF 29

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.

## LIGHTING FIXTURE SCHEDULE

| ROOM DESIGNATION | FIXTURE TYPE | SHEET NO. | NO. OF FIXT. | WATTS PER FIXT. | MOUNTING & HEIGHT ABOVE FINISHED FLOOR |
|---|---|---|---|---|---|
| ASSEMBLY HALL | HOLOPHANE #2685 | 28 | 28 | 500 | STEM MOUNTED 18'-6" |
| INSTRUCTOR | F-15 | 46 | 2 | 3-40 | STEM MOUNTED 7'-6" |
| COMMANDING OFFICER | F-15 | 46 | 2 | 3-40 | STEM MOUNTED 7'-6" |
| N.C.O. STAFF | F-15 | 46 | 2 | 3-40 | STEM MOUNTED 7'-6" |
| LOBBY | CL-1 | 18 | 1 | 2-75 | CEILING MOUNTED |
| E.M. LOCKER ROOM | I-1 | 3 | 12 | 100 | STEM MOUNTED 7'-6" |
| E.M. TOILET & SHOWER | I-2 | 3 | 3 | 150 | CEILING MOUNTED |
| E.M. TOILET & SHOWER | V-5 | 8 | 2 | 100 | CEILING MOUNTED |
| MAIN & UTILITY STOR. | LR | 2 | 1 | 60 | CEILING MOUNTED |
| OFF. LOCKER RM. | I-1 | 3 | 1 | 100 | STEM MOUNTED 7'-6" |
| OFF. LOCKER RM. | I-2 | 3 | 1 | 150 | STEM MOUNTED 7'-6" |
| OFF. TOILET RM. | V-5 | 8 | 1 | 100 | CEILING MOUNTED |
| OFF. TOILET RM. | I-2 | 3 | 1 | 150 | CEILING MOUNTED |
| OFF. TOILET RM. | | | | | |
| KITCHEN | F-10 | 43 | 4 | 2-40 | STEM MOUNTED 7'-6" |
| CLASS RMS. NOS. 1 & 2 | F-10 | 43 | 24 | 2-40 | STEM MOUNTED 7'-6" |
| BOILER ROOM | I-3 | 3 | 3 | 200 | STEM MOUNTED 9'-0" |
| UNIT STORAGE | I-2 | 3 | 6 | 150 | STEM MOUNTED 7'-6" |
| ORDNANCE STORAGE & RECORDS VAULT | I-1 | 3 | 2 | 100 | STEM MOUNTED 7'-6" |
| RIFLE RANGE | Z-1 | NONE | 4 | 500 | SEE NOTE 1 |
| RIFLE RANGE | Z-2 | NONE | 10 | 100 | SEE NOTE 2 |
| RIFLE RANGE | TWO TUBE OPEN SHALLINE | | 5-8' 1-4' | 2-60 2-38 | CEILING MOUNTED |
| OUTSIDE LIGHTS | VG-3 | 11 | 2 | 100 | WALL MOUNTED |
| CANOPY (MAIN ENT.) | FL-18 | 16 | 3 | 100 | RECESSED IN CANOPY 30" STEEL BACK BOX |
| CANOPY (OUTSIDE KITCH.) | Z-3 | NONE | 1 | 3-60 | MOUNTED ON CANOPY SEE NOTE 3 |
| EXIT LIGHTS | PRESCOLITE CAT. # E-52 | | 4 | 25 | WALL MTD. ABOVE DOOR |

### NOTES FOR LIGHTING FIXTURE SCHEDULE:

NOTE 1:
GENERAL SERVICE FLOODLIGHT COMPLETE WITH HEAVY "ALCOAD ALZAK" POLISHED ALUMINUM REFLECTOR, MOGUL BASE PORCELAIN SOCKET CONVEX PLAIN HEAT RESISTING GLASS LENS GALVANIZED STEEL MOUNTING BOW. SIMILAR AND EQUAL TO WESTINGHOUSE TYPE A-14, NO. 889755.

NOTE 2:
PORCELAIN ENAMEL STEEL STANDARD ANGLE REFLECTOR FOR OUTLET BOX MOUNTING.

NOTE 3:
CAST BRASS VAPORTIGHT DRUM TYPE FIXTURE WITH GUARD. SIMILAR AND EQUAL TO RUSSELL & STOLL #1470 FG

NOTE 4:
NUMBERS IN COLUMN ENTITLED SHEET NO. REFER TO CORPS OF ENGINEERS DWG NO. 40-06-04 SHEET NUMBERS

NOTE 5:
IF HUNG CEILING IS INSTALLED IN ASSEMBLY HALL, CONTRACTOR SHALL FURNISH & INSTALL PLASTER AND FINISHING RINGS.

## DISTRIBUTION PANEL & FEEDER SCHEDULE

| MAINS | | | BRANCHES | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| SERVICE | FEEDER SIZE | COND. SIZE | CIRCUIT NO. | CIRCUIT BREAKER NO. OF POLES | CIRCUIT BREAKER FRAME | CIRCUIT BREAKER SETTING | WIRE SIZE | COND. SIZE | TYPE OF LOAD | LOAD KW OR HP |
| 115/230V. 1Ø-3W | 3#300 MCM RH | 2 1/2" | DP-1 | 2 | 50A | 50A | 3#6 | 1" | LIGHTING PANEL L1 | 11.4 KW |
| | | | DP-2 | 2 | 50A | 50A | 3#6 | 1" | LIGHTING PANEL L2 | 7.1 KW |
| | | | DP-3 | 2 | 100A | 70A | 3#4 | 1 1/4" | LIGHTING PANEL L3 | 13.0 KW |
| | | | DP-4 | 2 | 50A | 50A | 3#6 | 1" | ELECTRIC RANGE | 11.0 KW |
| | | | DP-5 | 2 | 50A | 50A | 3#6 | 1" | COFFEE URN | 5.0 KW |
| | | | DP-6 | 2 | 50A | 15A | 2#12 | 1/2" | INDUCED DRAFT FAN | 3/4 HP 20"x20" ZONES 1/3 HP 20"x20" ZONE |
| | | | DP-7 | 2 | 50A | 15A | 2#12 | 1/2" | OIL BURNER | 3/4 HP |
| | | | DP-8 | 2 | 50A | 15A | 2#12 | 1/2" | ASSEMBLY HALL FAN | 3/4 HP |
| | | | DP-9 | 2 | 50A | 15A | 2#12 | 1/2" | ASSEMBLY HALL FAN | 3/4 HP |
| | | | DP-10 | 2 | 50A | 15A | 2#12 | 1/2" | RIFLE RANGE VENT UNIT | 1/3 HP 20"x20" ZONE 1/3 HP 20"x20" ZONE |
| | | | DP-11 | 2 | 50A | 15A | 2#12 | 1/2" | SUMP PUMP | 3/4 HP |
| | | | DP-12 | 2 | 50A | 15A | 2#12 | 1/2" | SUMP PUMP | 3/4 HP |
| | | | DP-13 | 2 | 50A | 15A | 2#12 | 1/2" | CONDENSATE PUMP | 1/3 HP 20" ZONE 3/4 HP 20"x20" ZONES |
| | | | DP-14 | 2 | 50A | – | – | – | SPACE ONLY | — |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 120/208V. 3Ø-4W. | 4#2/0 RH | 2 1/2" | DP-1 | 3 | 50A | 40A | 4#8 | 1" | LIGHTING PANEL L1 | 10.7 KW |
| | | | DP-2 | 3 | 50A | 40A | 4#8 | 1" | LIGHTING PANEL L2 | 6.1 KW |
| | | | DP-3 | 3 | 50A | 40A | 4#8 | 1" | LIGHTING PANEL L3 | 13.0 KW |
| | | | DP-4 | 2 | 50A | 50A | 3#6 | 1" | ELECTRIC RANGE | 11.0 KW |
| | | | DP-5 | 2 | 50A | 50A | 3#6 | 1" | COFFEE URN | 5.0 KW * |
| | | | DP-6 | 3 | 50A | 15A | 3#12 | 1/2" | INDUCED DRAFT FAN | 3/4 HP 20"x20" ZONE |
| | | | (DP-6) | (2) | 50A | 15A | 2#12 | (1/2") | (INDUCED DRAFT FAN) | (1/3 HP - 20" ZONE) |
| | | | DP-7 | 3 | 50A | 15A | 3#12 | 1/2" | OIL BURNER | 3/4 HP |
| | | | DP-8 | 3 | 50A | 20A | 3#12 | 1/2" | ASSEMBLY HALL FAN | 3/4 HP |
| | | | DP-9 | 3 | 50A | 20A | 3#12 | 1/2" | ASSEMBLY HALL FAN | 3/4 HP |
| | | | DP-10 | 3 | 50A | 20A | | | SPARE | |
| | | | | | | | | | | |
| | | | DP-11 | 3 | 50A | 15A | | | SPARE | |
| | | | DP-12 | 3 | 50A | 15A | | | SPARE | |
| | | | DP-13 | 3 | 50A | 15A | 3#12 | 1/2" | CONDENSATE PUMP | 3/4 HP |
| | | | DP-14 | 3 | 50A | – | – | – | SPACE ONLY | — |
| | | | DP-15 | 2 | 100A | 70A | – | – | FUTURE M.V.S. BLD'G | 15 KW |

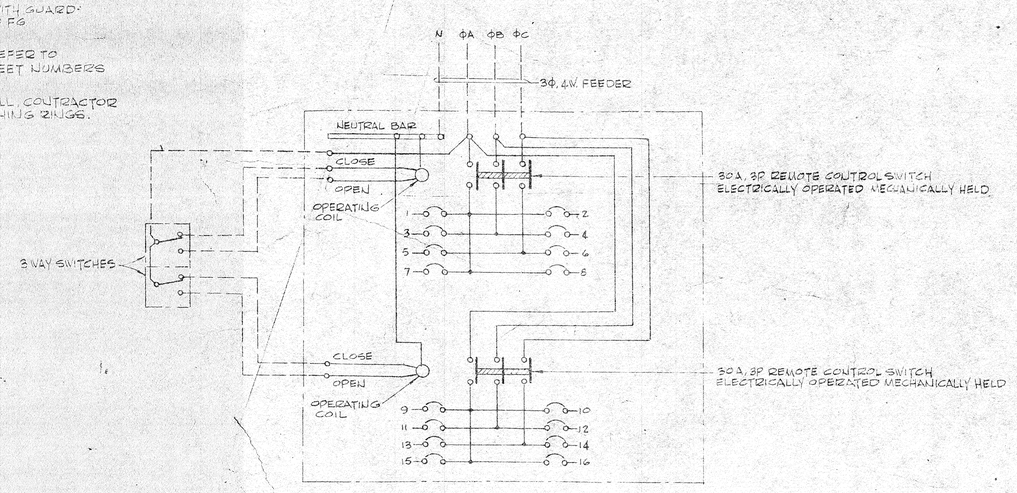
## LIGHTING PANEL SCHEDULE

| PANEL DESIGNATION | 15A SINGLE POLE CIRCUIT BREAKERS IN USE | SPARE | TOTAL | REMARKS |
|---|---|---|---|---|
| L1 | 16 | 4 | 20 | |
| L2 | 10 | 4 | 14 | |
| L3 | 13 | 3 | 16 | TWO SECTION REMOTE CONTROL PANEL. SEE WIRING DIAGRAM BELOW |

## CONNECTED LOAD

| TYPE OF LOAD | KW |
|---|---|
| LIGHTING, RECEPTACLES AND SMALL MOTORS | 81.6 |
| ELECTRIC RANGE | 11.0 |
| COFFEE URN | 5.0 |
| MOTORS | 6.8 |
| FUTURE M.V.S. BUILDING | 15.0 |
| TOTAL | 68.8 |

NOTES:
1. EXPOSED CONDUIT IN ASSEMBLY HALL SHALL BE RUN ABOVE GIRDERS
2. IN ASSEMBLY HALL AND RIFLE RANGE CONVENIENCE RECEPTACLES SHALL BE INSTALLED FLUSH AND CONDUIT CONCEALED IN WALL.
3. SWITCHES CONTROLLING EXHAUST FAN MOTORS SHALL BE THERMAL TYPE WITH PILOT LIGHTS.
4. EXIT LIGHTS SHOWN ON PLAN SHALL BE CONNECTED WITH 2#12 IN 1/2" CONDUIT TO FUSED CUTOUT IN BOILER ROOM.




WIRING DIAGRAM
LIGHTING PANEL L3

NOTE:
PANEL IS SHOWN AS REQUIRED FOR 3Ø, 4 WIRE SYSTEM. FOR 1Ø, 3 WIRE SYSTEM OMIT ONE CONTACT PER REMOTE CONTROL SWITCH AND CHANGE BUS BAR CONNECTIONS AS NECESSARY.

STATE OF CONNECTICUT
PUBLIC WORKS DEPARTMENT
T. J. MURPHY, JR. COMMISSIONER
NATIONAL GUARD ARMORY
G-21-54 REVISED 2-1-56 | PUTNAM, CONN. | CP-Q-166 CONTRACT NO. 1737
FLETCHER THOMPSON, INC.
ARCHITECTS ENGINEERS
CONSULTANTS

DEPARTMENTS OF THE ARMY AND THE AIR FORCE
NATIONAL GUARD BUREAU
WASHINGTON D.C.

ONE UNIT ARMORY
ELECTRICAL
SCHEDULES

APPROVED FOR THE CHIEF, NGB
R. R. Sedillo
COLONEL, N.G.B.
CHIEF, F.B.C. BRANCH, ARMY DIV.
DATE 24 APRIL 1952

SCALE: NONE
SPECIFICATIONS 101
SHEET 27 OF 29

REISNER & URBAHN
ARCHITECTS-ENGINEERS NEW YORK, N.Y.