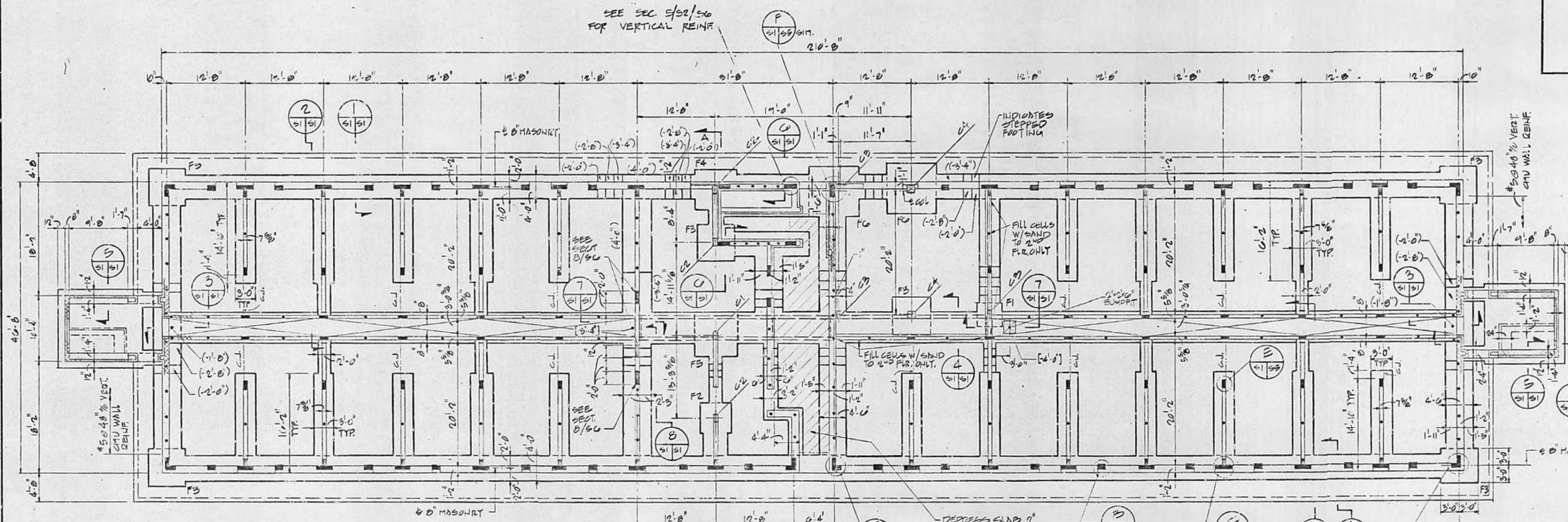
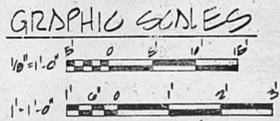
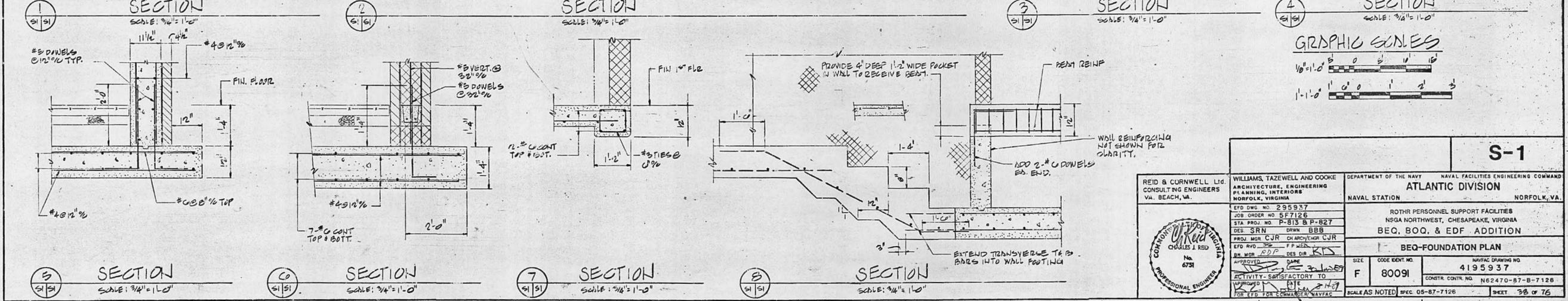
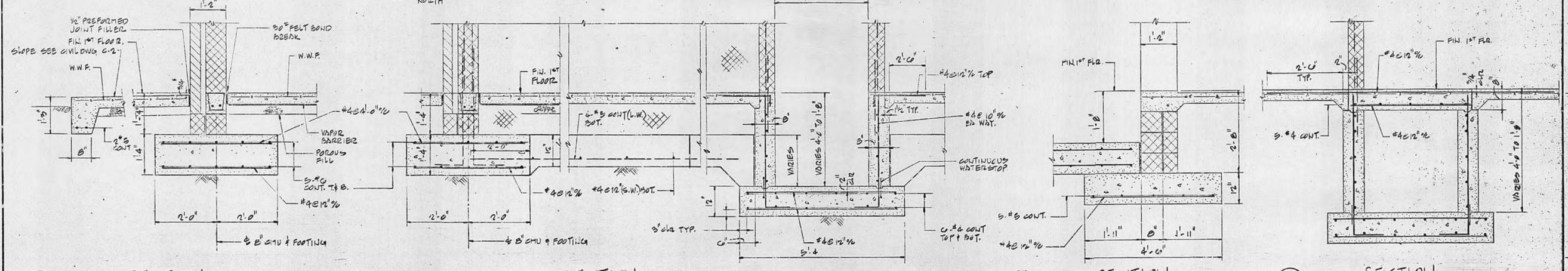


REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



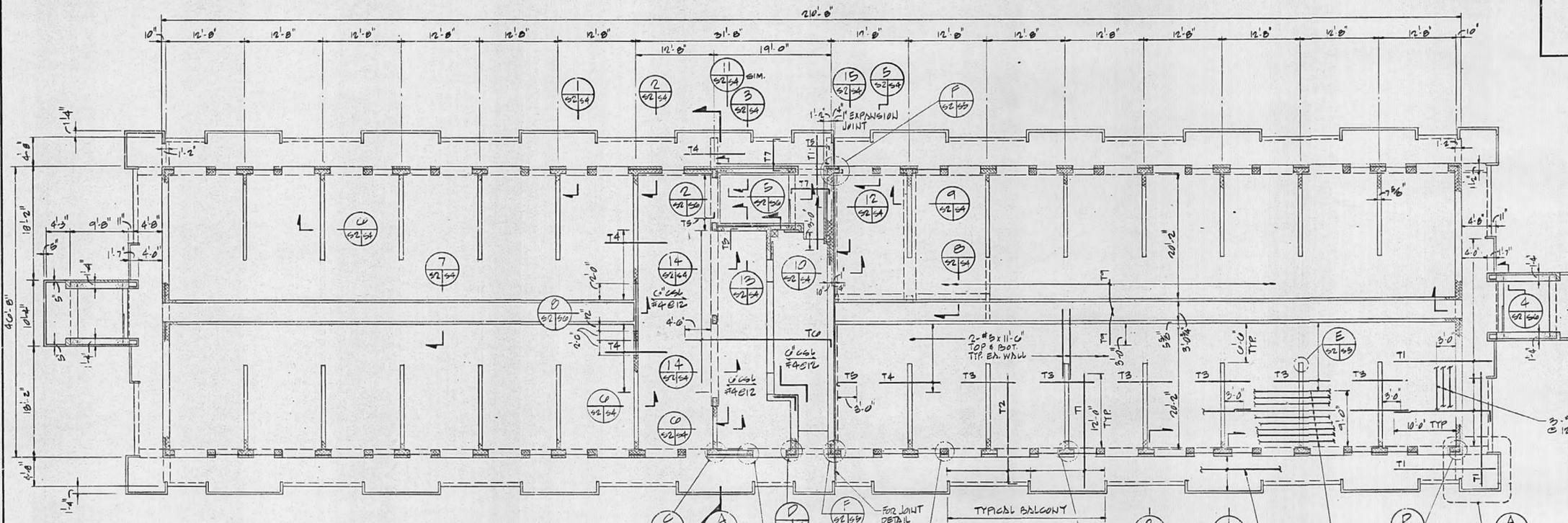
- FOUNDATION NOTES**
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE DWG. S-12.
 - FOR COLUMN AND FOOTING SCHEDULES SEE DWG. S-5.
 - FOOTINGS SHALL BE CENTERED UNDER THE COLUMN OR WALL ABOVE UNLESS OTHERWISE NOTED.
 - TOP OF FOOTING ELEVATION IS 1'-4" BELOW FINISH FLOOR UNLESS OTHERWISE NOTED THUS (-2'-8") ON PLAN WHICH INDICATES THE VERTICAL DISTANCE BELOW FIN. FLOOR. FIN. FIRST FLOOR ELEVATION IS 19.00.
 - UNLESS OTHERWISE NOTED OR SHOWN, PROVIDE 4" THICK CONCRETE SLAB-ON-GRADE OVER ENTIRE GROUND FLOOR AREA. REINFORCE WITH 6"x6"-42.5 W/M.S. WELDED WIRE FABRIC PLACED 1 1/2 INCHES FROM TOP OF SLAB.
 - PROVIDE 6 MIL. POLYETHYLENE VAPOR BARRIER ON 4 INCH POROUS FILL BENEATH ALL SLABS-ON-GRADE.
 - FOR EXACT LOCATIONS OF SLAB DEPRESSIONS, THRESHOLDS, FINISHES, ETC. SEE ARCHITECTURAL DRAWINGS. SEE TYPICAL DEPRESSION SLAB DETAIL ON DWG. S-12.
 - PROVIDE CONSTRUCTION JOINTS OR CRACK CONTROL JOINTS AT LOCATIONS INDICATED ON PLAN THUS: C.J. - SEE TYPICAL DETAILS.
 - WHERE SLAB-ON-GRADE BEARS ON FOUNDATION WALLS, PROVIDE ADDITIONAL REINFORCING AS SHOWN IN TYPICAL DETAILS.
 - FOR MASONRY WALL REINFORCING SCHEDULE, SEE DWG. S-5.

FOUNDATION PLAN - BEQ
SCALE: 1/8" = 1'-0"



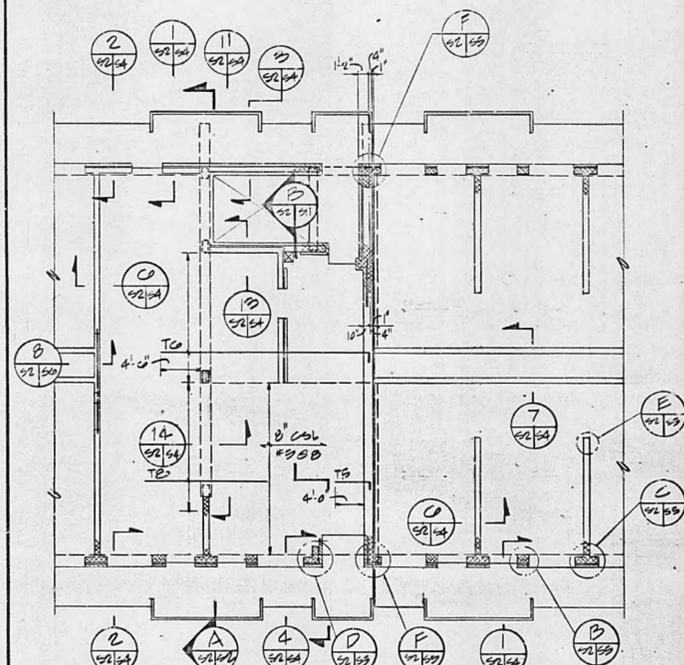
	WILLIAMS, TAZEWELL AND COOKE ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.
	JOB ORDER NO. 57126 STA. PROJ. NO. P-813 & P-827 DES. SRN PROJ. MGR. C.J.R. ETD. NO. 295937 DES. DIR. R.D.P.	ROTHR PERSONNEL SUPPORT FACILITIES NSGA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ. BOQ. & EDF ADDITION

REV.	DESCRIPTION	DATE	APPROVED



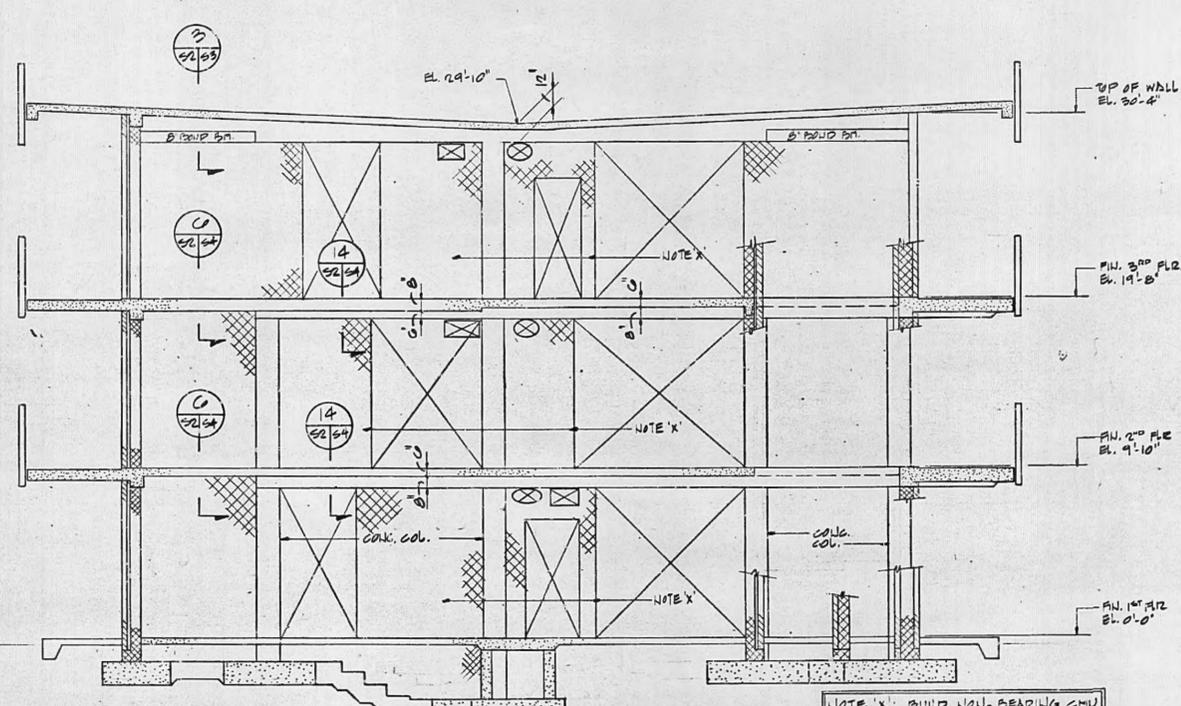
SECOND FLOOR FRAMING PLAN - BEQ
SCALE: 1/8" = 1'-0"

- FRAMING NOTES**
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE DWG. NO. S-12.
 - FOR COLUMN SCHEDULE SEE DWG. NO. S-5.
 - UNLESS OTHERWISE NOTED, PROVIDE A 6-INCH DEEP CONCRETE SLAB OVER ENTIRE FLOOR AREA. REINFORCE WITH #4 BARS @ 12" O/C BOTTOM IN THE E-W DIRECTION AND #4 @ 18" O/C BOTTOM (TEMP.) IN N-S DIRECTION UNLESS OTHERWISE INDICATED. SEE PLAN AND RELEVANT DETAILS FOR ADDITIONAL REINFORCING.
 - INDICATES SLAB DEPTH, BAR SIZE, SPACING AND DIRECTION OF MAIN BOTTOM REIN. FOR OTHER THAN TYPICAL 6-INCH SLABS. PROVIDE #4 @ 12" O/C BOTTOM TEMP. REIN. IN N-S DIRECTION.
 - TYPICAL TOP SLAB REINFORCING (T1, T2, ETC.) IS SHOWN ON PLAN FOR ONE QUADRANT OF SLEEPING QUARTERS AND THE CENTRAL CORE. REINFORCING AND DETAILS ARE THE SAME FOR OTHER QUADRANTS UNLESS OTHERWISE NOTED.



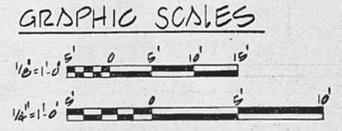
PART THIRD FLOOR FRAMING PLAN - BEQ
SCALE: 1/8" = 1'-0"
(ENTIRE 3RD FLOOR IS A CONSTRUCTION OPTION)

EXCEPT WHERE INDICATED, THE LAYOUT, FRAMING DETAILS AND REINFORCING FOR THE THIRD FLOOR ARE IDENTICAL TO THE SECOND FLOOR.



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

MARK	SIZE	SPACING	LENGTH
T1	#3	0'0"	SEE PLAN
T2	#5	0'0"	SEE PLAN
T3	#4	12'0"	9'0"
T4	#4	12'0"	10'0"
T5	#4	12'0"	SEE PLAN
T6	#4	10'0"	SEE PLAN
T7	#5	12'0"	SEE PLAN
T8	#6	8'0"	14'0"
T9	#4	12'0"	5'-0"



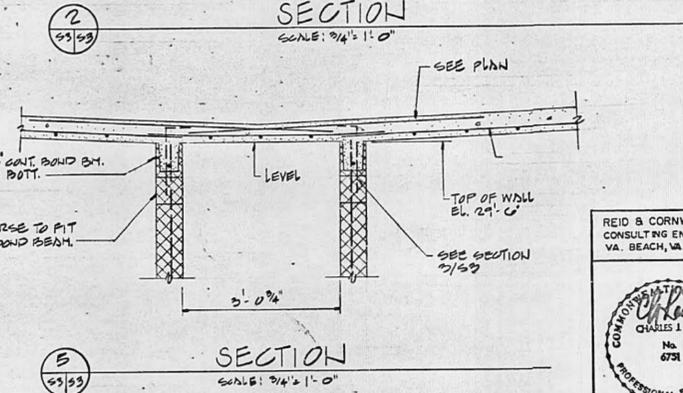
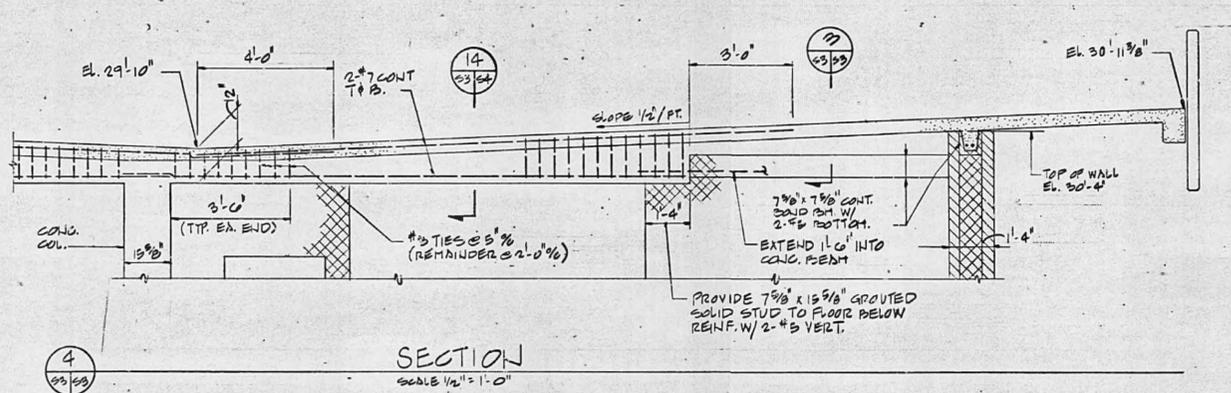
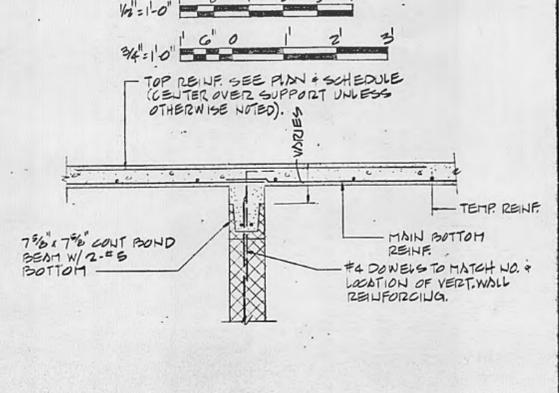
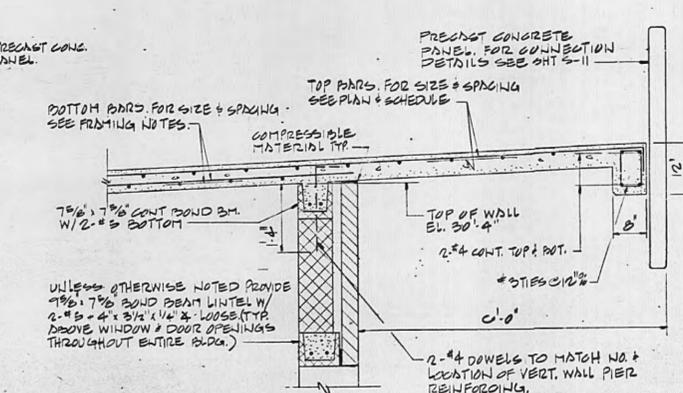
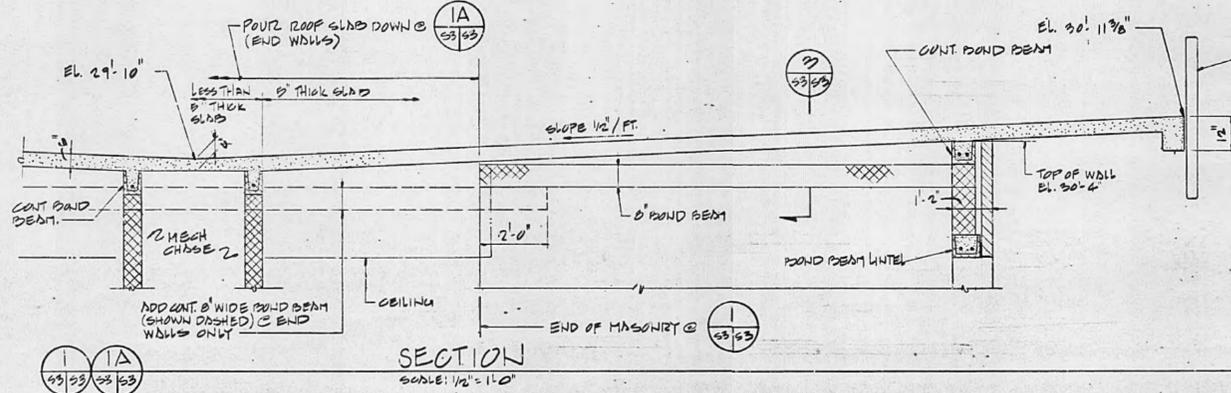
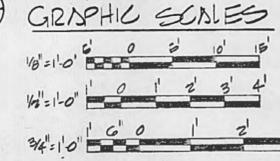
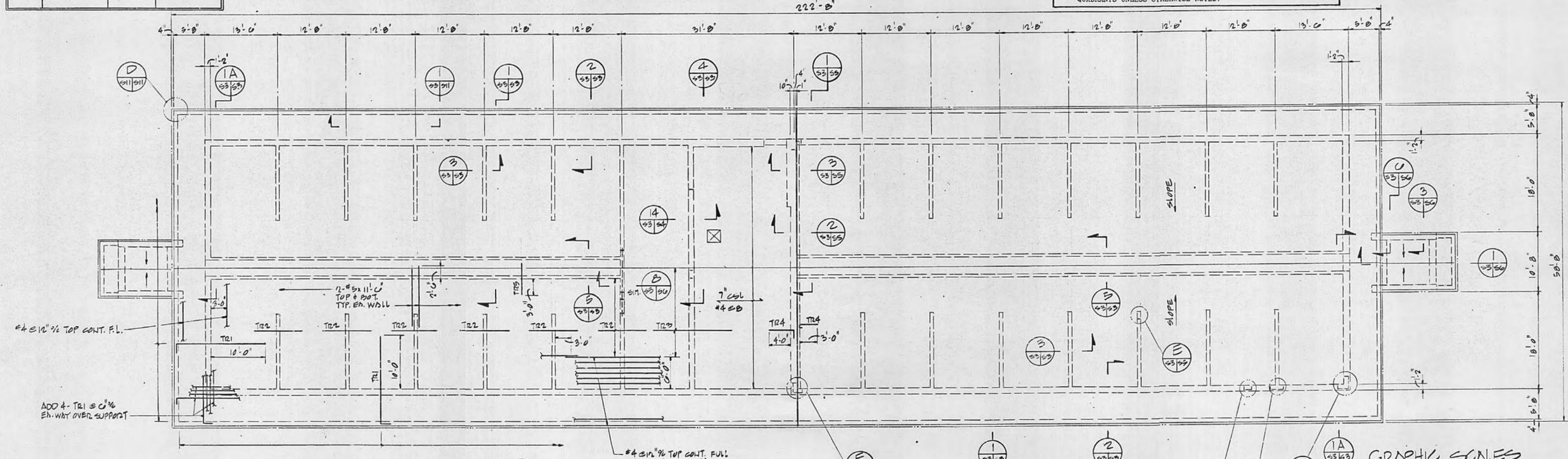
REID & CORNWELL LTD. ARCHITECTURE, ENGINEERING CONSULTING ENGINEERS VA. BEACH, VA.	WILLIAMS, TAZEWELL AND COOKE ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NORFOLK, VA.
	EFD DWG. NO. 295938 JOB ORDER NO. 517126 STA. PROJ. NO. P-813 & P-827 DES. SRN PROJ. MGR. CJR EFD. RVD. SFC BR. MGR. PJP APPROVED DATE: 11/15/57 ACTIVITY SATISFACTORY TO: 11/15/57 FOR EFD FOR COMNAVSTA	NAVAL FACILITIES ENGINEERING COMMAND ROTH PERSONNEL SUPPORT FACILITIES NSGA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ, BOQ, & EDF ADDITION
S-2	BEQ-2ND & 3RD FLOOR FRAMING PLAN	SIZE: 11" x 17" CODE DENT NO.: 4195938 CONSTR. CONTR. NO. N62470-87-B-7126 SCALE: AS NOTED SPEC. 05-87-7126 SHEET 39 OF 76

NOTE X: BUILD NON-BEARING CMU PARTITIONS AFTER FLOORING SLABS HAVE BEEN POURED & CURED

TOP BAR REINFORCING SCHEDULE			
MARK	SIZE	SPACING	LENGTH
TR1	#5	12"Ø	SEE PLAN
TR2	#4	12"Ø	9'-0"
TR3	#4	8"Ø	14'-0"
TR4	#4	12"Ø	SEE PLAN
TR5	#4	12"Ø	5'-0"

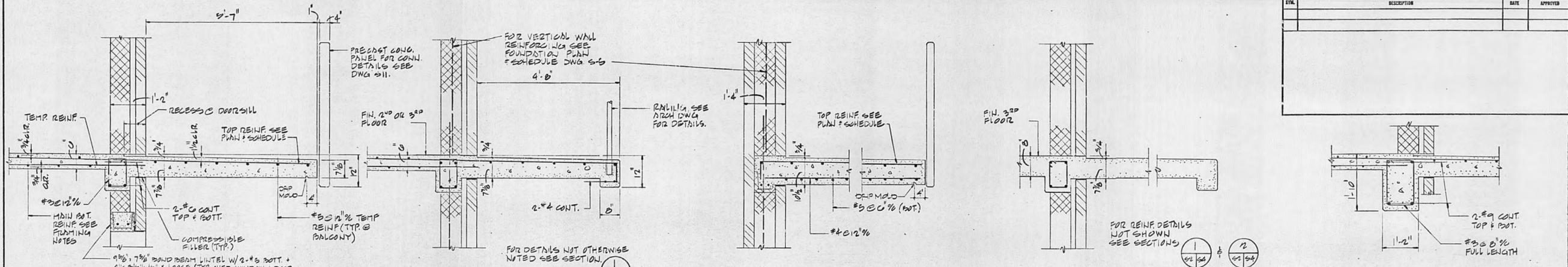
- FRAMING NOTES**
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE DWG. NO. S-12.
 - UNLESS OTHERWISE NOTED, PROVIDE A 5-INCH DEEP CONCRETE SLAB OVER ENTIRE ROOF AREA. REINFORCE WITH #4 BARS @ 12" O/C BOTTOM IN THE E-W DIRECTION AND #4 @ 18" O/C BOTTOM (TEMP.) IN N-S DIRECTION UNLESS OTHERWISE INDICATED. SEE PLAN AND RELEVANT DETAILS FOR ADDITIONAL REINFORCING.
 - 7"CSL INDICATES SLAB DEPTH. BAR SIZE, SPACING AND DIRECTION OF MAIN BOTTOM REINF. FOR OTHER THAN TYPICAL 5-INCH SLABS. PROVIDE #4 @ 12" O/C BOTTOM TEMP. REINF. IN N-S DIRECTION.
 - TYPICAL TOP SLAB REINFORCING (TR1, TR2, ETC.) IS SHOWN ON PLAN FOR ONE QUADRANT OF SLEEPING QUARTERS AND THE CENTRAL CORE. REINF. AND DETAILS ARE THE SAME FOR OTHER QUADRANTS UNLESS OTHERWISE NOTED.

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED

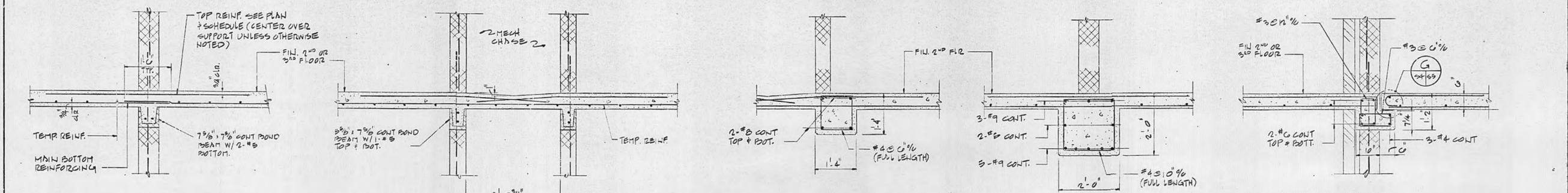


REID & CORNWELL LTD. CONSULTING ENGINEERS VA. BEACH, VA.		WILLIAMS, TAZEWELL AND COOKE ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA	
		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.	
EFD DWG NO. 295939 JOB ORDER NO. 5F7126 STA PROJ NO. P-813 B-D-827 DES. SEN. DRN. BBB PROJ. MGR. C.J.R. CHARVENOR C.J.R. EFD RVD. S.S.G. F.P. J.W.C. BR. MGR. R.D.P. DES. DIR. K.D.S.		ROTH PERSONNEL SUPPORT FACILITIES NSGA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ, BOQ, & EDF ADDITION	
APPROVED: [Signature] DATE: 12-1-87 ACTIVITY: SATISFACTORY TO [Signature] FOR EFD FOR COMMANDER NAVFAC		BEQ-ROOF FRAMING PLAN SIZE: F CODE: 80091 CONSTR. CONTR. NO. NS2470-87-B-7128 SCALE(S) NOTED: SPEC. 05-87-7128 SHEET: 40 OF 76	

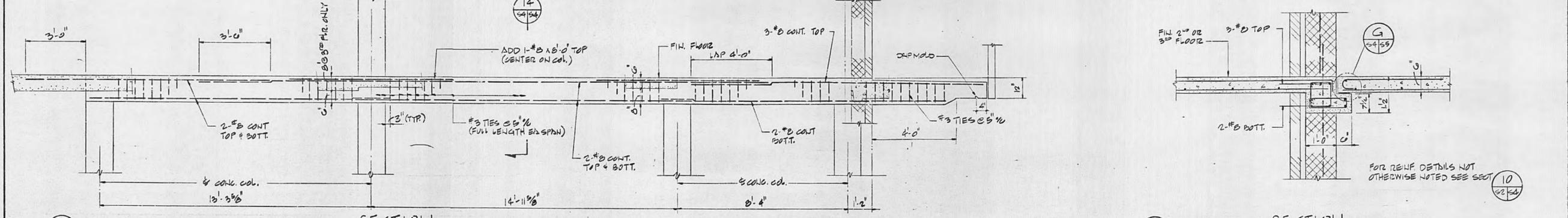
REVISIONS		
NO.	DESCRIPTION	DATE



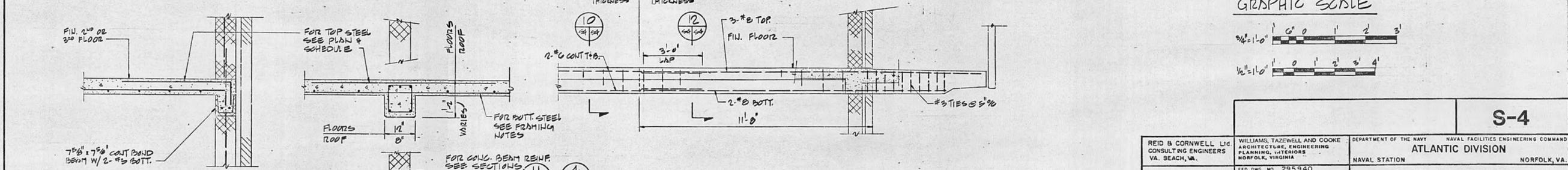
SECTION 1 SCALE: 3/4" = 1'-0"
 SECTION 2 SCALE: 3/4" = 1'-0"
 SECTION 3 SCALE: 3/4" = 1'-0"
 SECTION 4 SCALE: 3/4" = 1'-0"
 SECTION 5 SCALE: 3/4" = 1'-0"



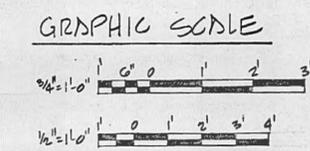
SECTION 6 SCALE: 3/4" = 1'-0"
 SECTION 7 SCALE: 3/4" = 1'-0"
 SECTION 8 SCALE: 3/4" = 1'-0"
 SECTION 9 SCALE: 3/4" = 1'-0"
 SECTION 10 SCALE: 3/4" = 1'-0"



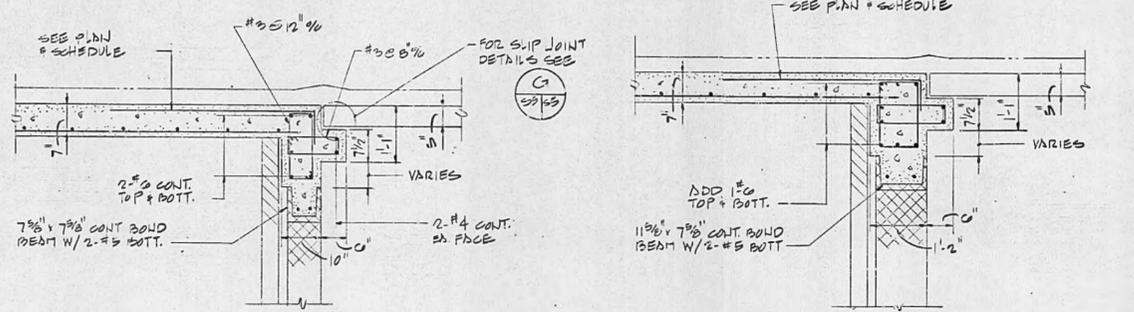
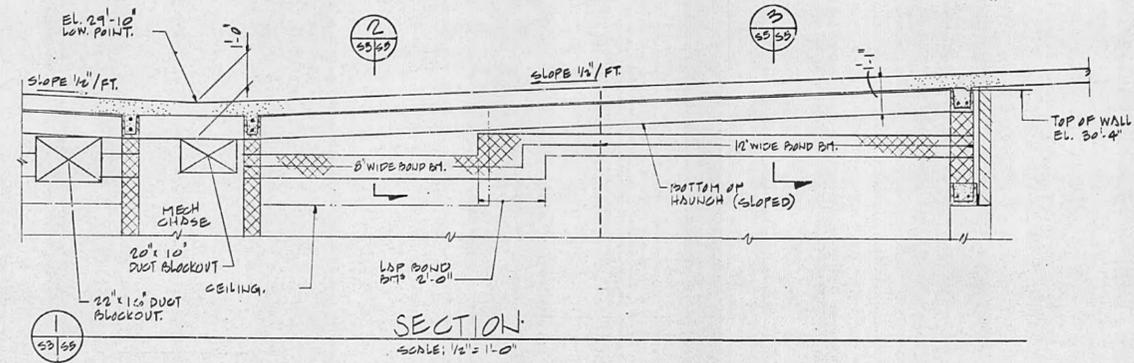
SECTION 11 SCALE: 1/2" = 1'-0"
 SECTION 12 SCALE: 3/4" = 1'-0"



SECTION 13 SCALE: 3/4" = 1'-0"
 SECTION 14 SCALE: 3/4" = 1'-0"
 SECTION 15 SCALE: 1/2" = 1'-0"



REID & CORNWELL LTD. CONSULTING ENGINEERS VA. BEACH, VA.		WILLIAMS, TAZEWELL AND COOKE ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NORFOLK, VA.	
		JOB ORDER NO. 57126 STA. PROJ. NO. P-813 B P-827 DES. SRN. DRWN. BBB PROJ. MGR. CUR. CHARGED/DR. CUR. ETD. PWD. S.S. P.J. JONES BR. MGR. R.D.P. DES. DIR. R.T. APPROVED: DATE: 12/21/57 ACTIVITY SATISFACTORY TO: (DATE) FOR ETD. FOR COMMANDER NAVFAC		ROTHR PERSONNEL SUPPORT FACILITIES NSGA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ, BOQ, & EDF ADDITION	
ETD. DNG. NO. 295940 NAVFAC DRAWING NO. 4195940		BEQ-SECTIONS SIZE: F CODE: 80091 CONSTR. CONTR. NO. N62470-87-B-7128		SHEET 41 OF 76	

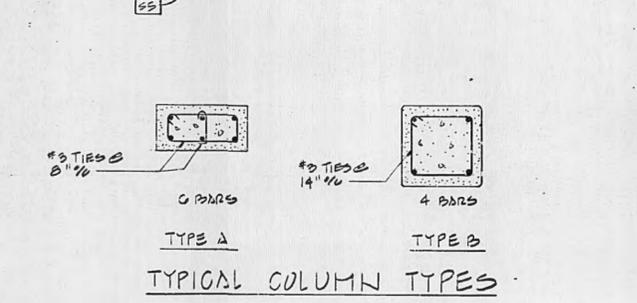


SECTION SCALE: 3/4" = 1'-0"

COLUMN SCHEDULE				
MARK	C1	C2	C3	C4
LEVEL				
ROOF				
5 TH FLOOR	0-#0			
4 TH FLOOR	0-#7	0-#7		
3 RD FLOOR	0-#7	0-#7	0-#7	4-#10
TOP OF FOOTING	0-#7	0-#7	0-#7	4-#10
SIZE	7 7/8" x 15 3/8"	7 7/8" x 15 3/8"	7 7/8" x 15 3/8"	14" x 14"
TYPE	A	A	A	B

FOOTING SCHEDULE		
MARK	SIZE	BOTT. REINF. E.W.
F1	4'-0" x 4'-0" x 1'-4"	5-#5
F2	5'-0" x 5'-0" x 1'-4"	6-#5
F3	6'-0" x 6'-0" x 1'-4"	7-#5
F4	6'-0" x 6'-0" x 1'-4"	7-#6
F5	7'-0" x 7'-0" x 1'-4"	8-#6
F6	8'-0" x 8'-0" x 2'-0"	9-#6

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



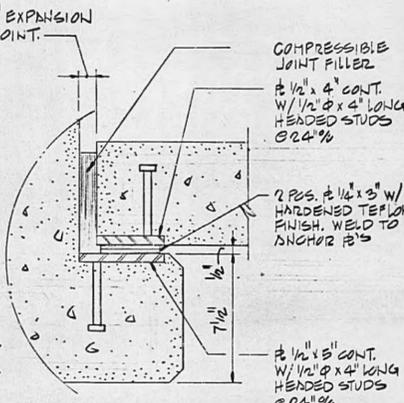
SCHEDULE OF MASONRY WALL REINFORCING BEQ

EXTERIOR WALLS:
 NORTH & SOUTH: SEE PIER DETAILS DWG. S-5
 EAST & WEST: INDICATES 1-#5 VERTICAL @ 4'-0" (MAX) GROUT CELL SOLID FULL HEIGHT.

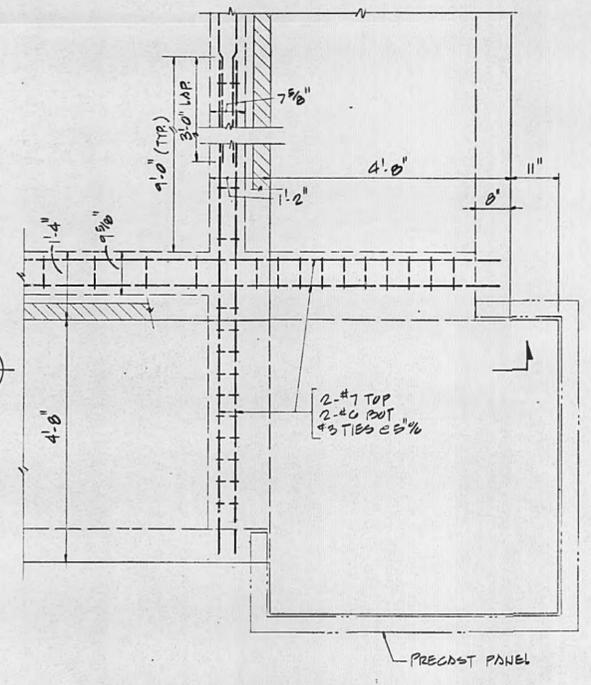
INTERIOR WALLS:
 CHASE & PART: INDICATES 2-#4 VERT @ 0' OR 2-#5 VERT @ 8' GROUT 2 CELLS SOLID FULL HEIGHT.
 INDICATES 1-#4 VERT @ 0' (MAX) GROUT 1 CELL SOLID FULL HEIGHT.

INTERIOR PARTITIONS: (NOT SHOWN ON PLAN) REINF W/ 1-#4 VERT @ 0' (MAX)

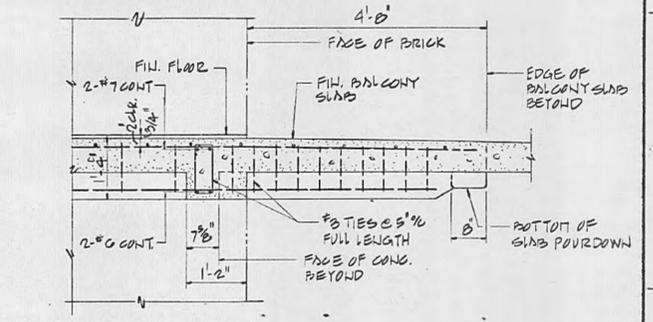
- NOTES
- PROVIDE VERT REINF AT THE JAMES OF ALL OPENINGS AND AT THE ENDS OF ALL MASONRY WALL & PARTITIONS.
 - PROVIDE A CONTINUOUS BAND BEAM AT THE TOP OF ALL MASONRY PARTITIONS. REINF W/ 1-#4 T & B CONT.
 - ALL VERT REINF SHALL EXTEND FROM FOUNDATION TO ROOF SLAB. FOOTING DOWELS SHALL MATCH SIZE & NUMBER OF VERT REINF.
 - LAP ALL VERTICAL REINFORCING 40 x BAR DIAM. OR 24" MIN. AT SPLICES. SPLICES SHALL OCCUR JUST ABOVE FLOOR SLABS.
 - FOR ADDITIONAL REINF AROUND MASONRY OPENINGS, SEE TYPICAL DETAIL ON DWG S-12.



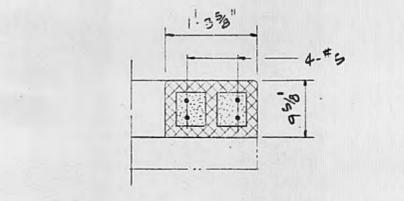
DETAIL SCALE: 3" = 1'-0"



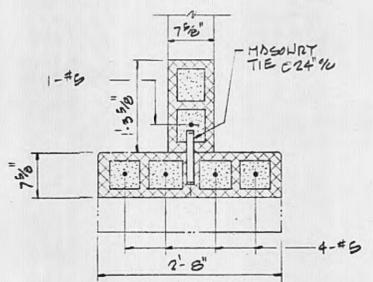
PLAN DETAIL SCALE: 3/4" = 1'-0"



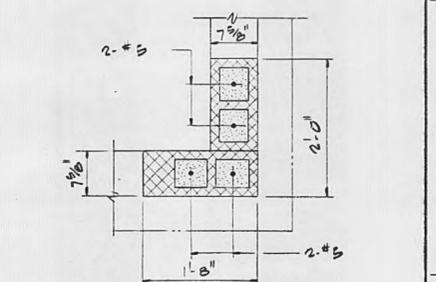
SECTION SCALE: 3/4" = 1'-0"



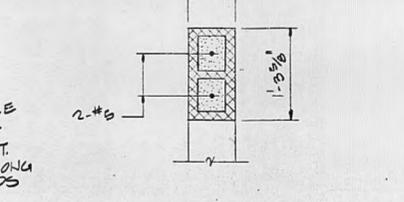
PLAN DETAIL SCALE: 1" = 1'-0"



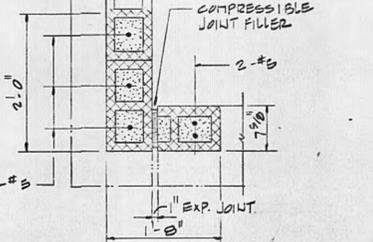
PLAN DETAIL SCALE: 1" = 1'-0"



PLAN DETAIL SCALE: 1" = 1'-0"

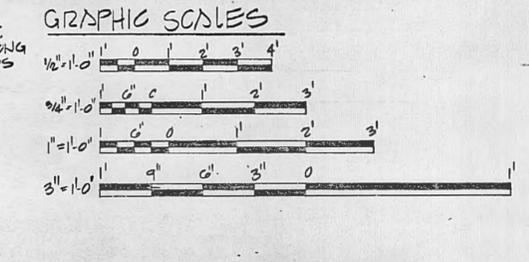


PLAN DETAIL SCALE: 1" = 1'-0"



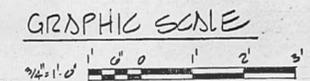
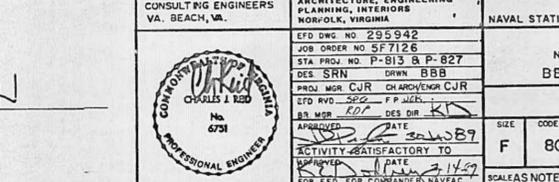
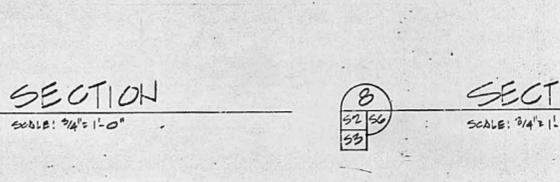
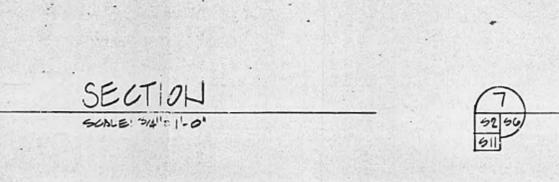
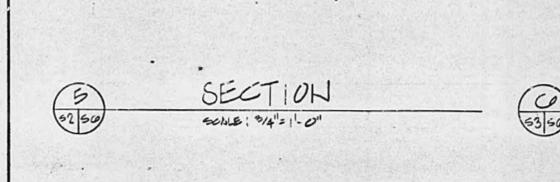
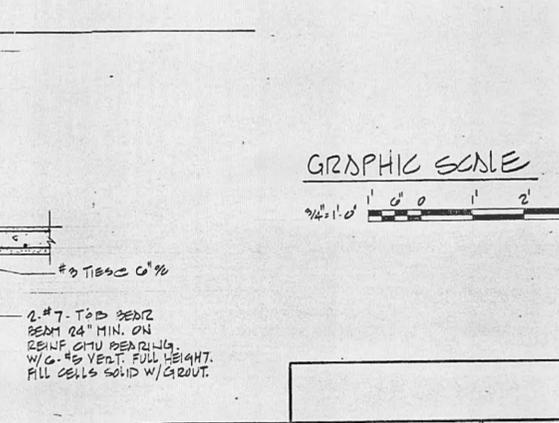
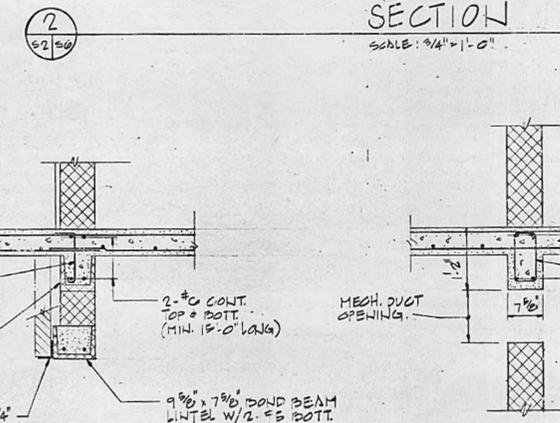
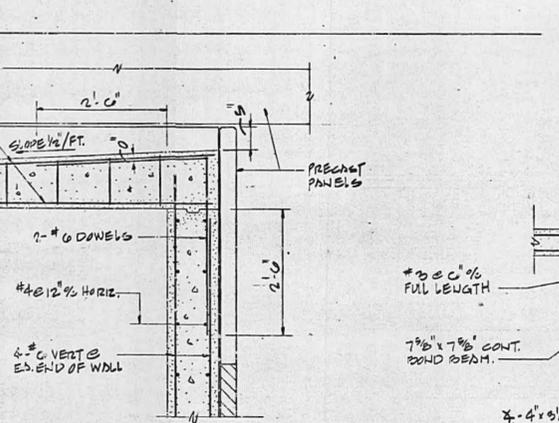
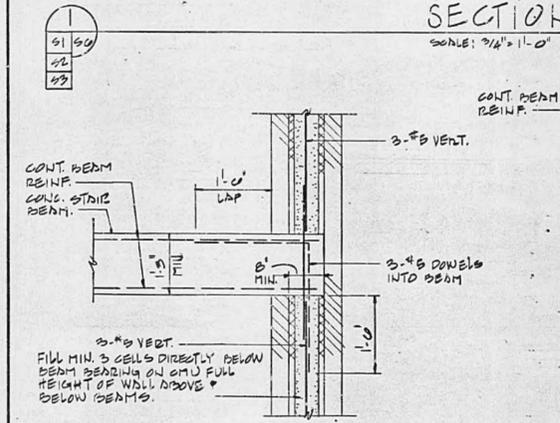
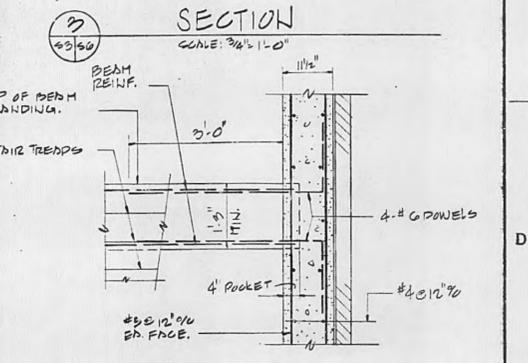
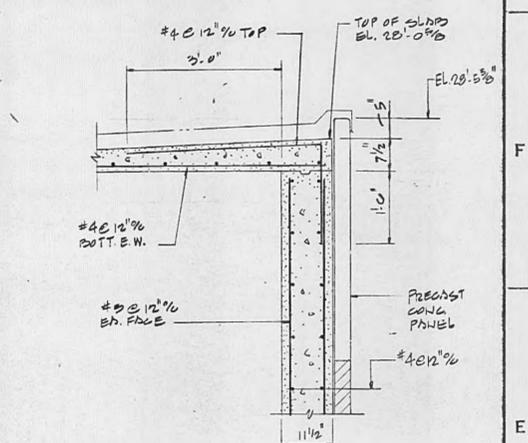
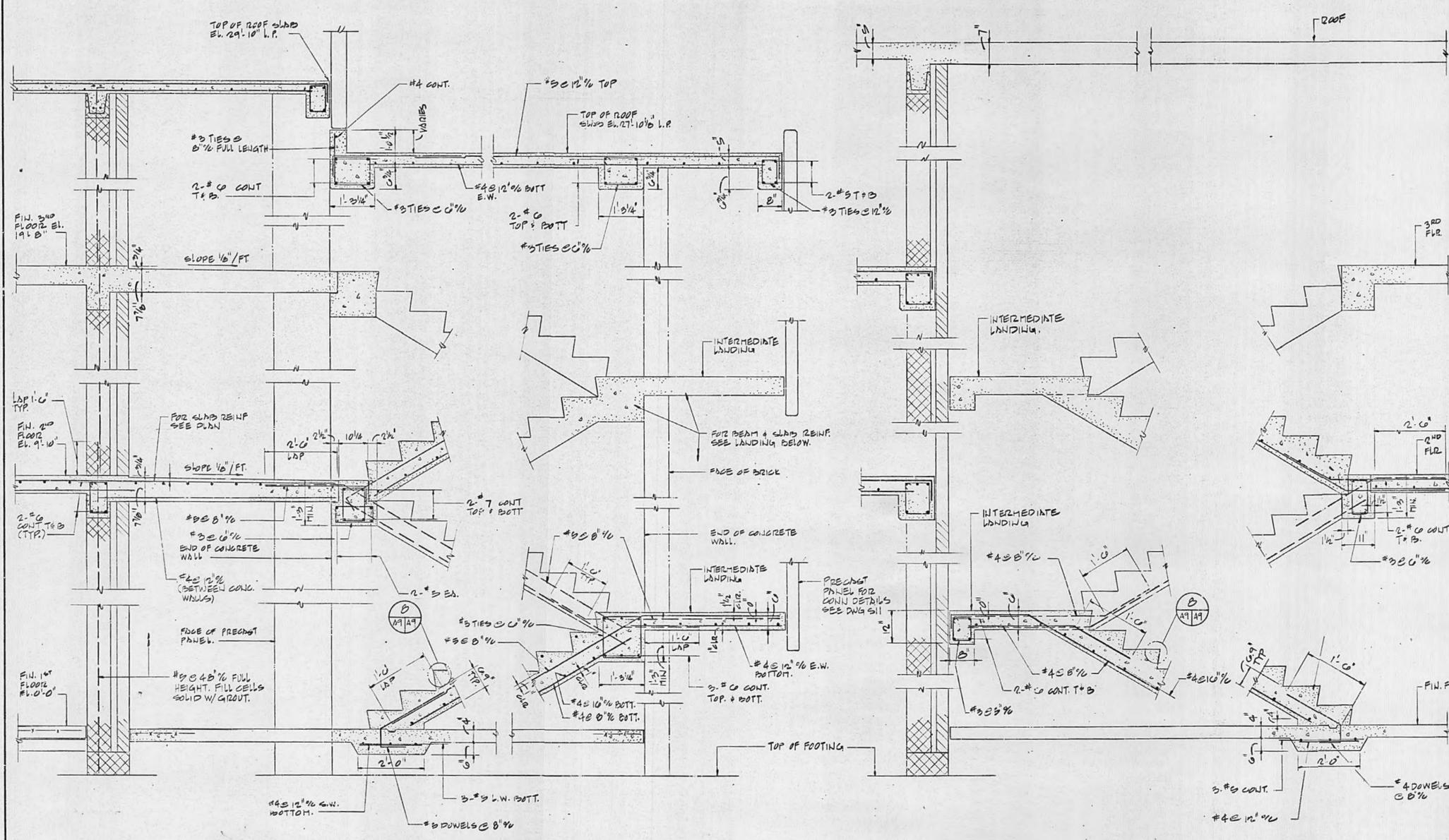
PLAN DETAIL SCALE: 1" = 1'-0"

NOTE: ALL MASONRY REINFORCING IS CONTINUOUS THRU SLABS TO WALL ABOVE. LAP BARS SIMILAR TO TYP CONG COL DETAIL.



REID & CORNWELL, L.L.C. ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA VA. BEACH, VA.		WILLIAMS, TAZEWELL AND COOKE ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.	
EFD DWG NO 295941 JOB ORDER NO SF7126 STA PROJ NO P-813 B P-827 DES. SRN DWG. BBB PROJ. MGR. CJR OR. ARCHITECT. CJR EFD RVD. SRG P.P. SEC. BR. MGR. RFP DES. DIR. KD		ROTHR PERSONNEL SUPPORT FACILITIES NSGA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ, BOQ, & EDF ADDITION		BEQ-SECTIONS SIZE CODE BENT NO 4195941 CONSTR. CONTR. NO N62470-87-B-7126 SCALES NOTED SPEC 05-87-7126 SHEET 42 OF 76	

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



S-6

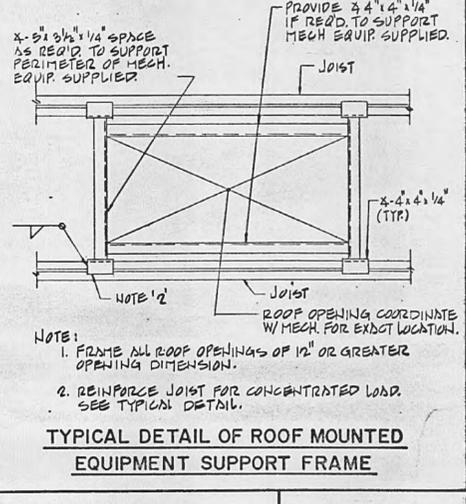
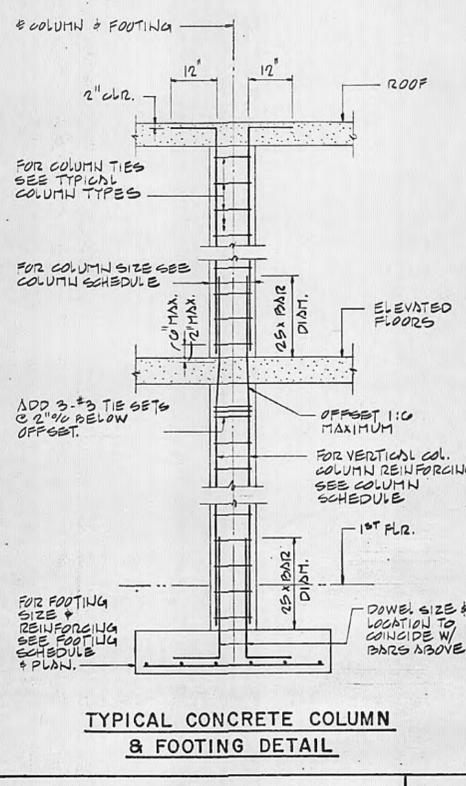
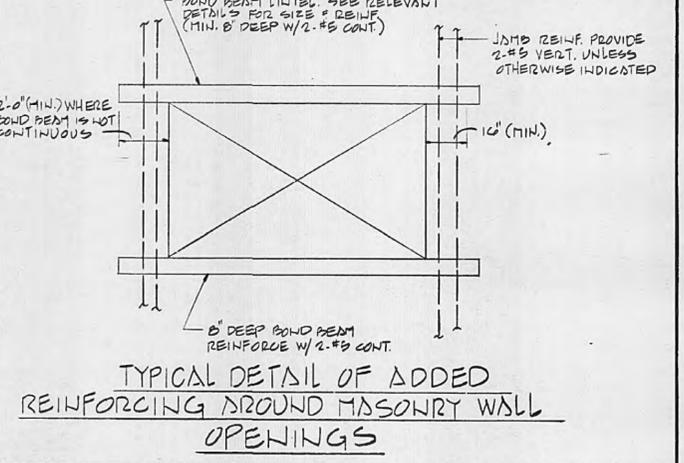
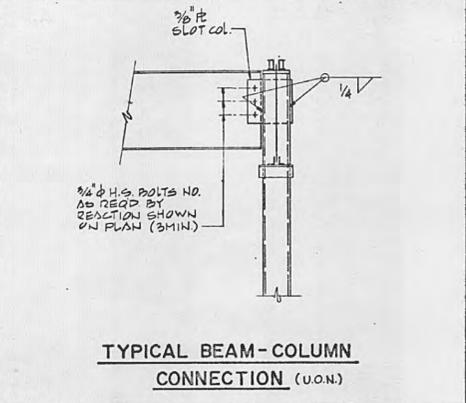
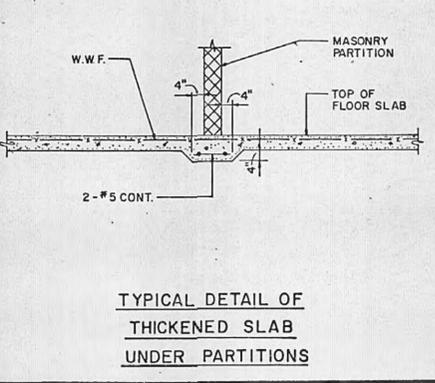
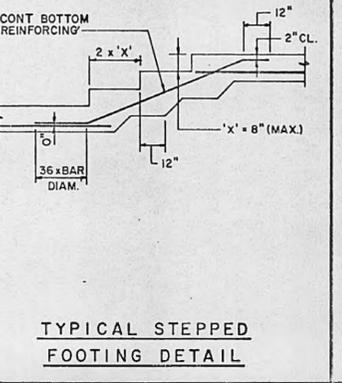
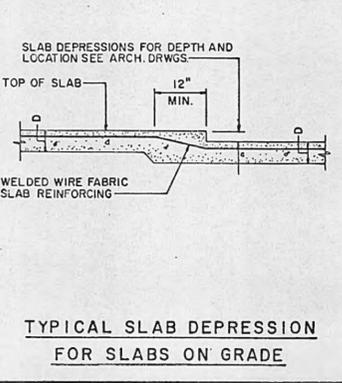
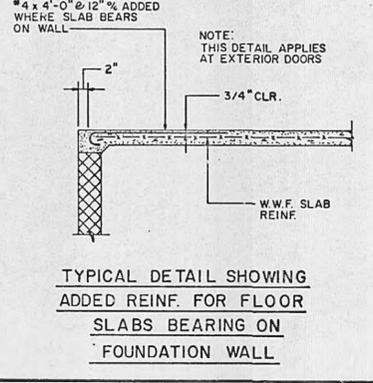
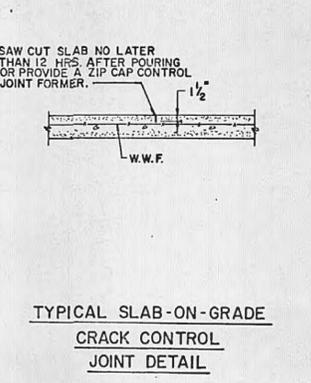
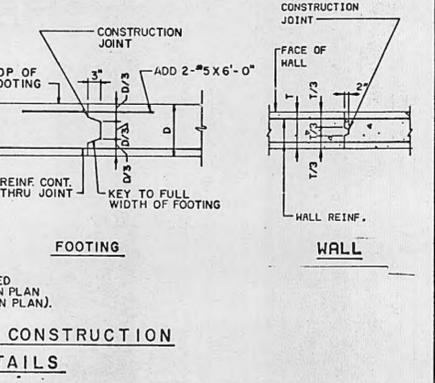
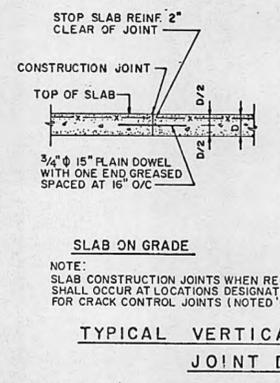
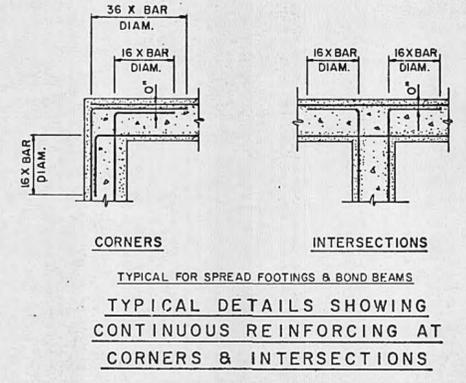
REID & CORNWELL, Ltd. CONSULTING ENGINEERS VA. BEACH, VA.	WILLIAMS, TAZEWELL AND COOKE ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.
JOB ORDER NO. 295942 STA. PROJ. NO. P-813 P-827 DES. SRN. DWG. BBB PROJ. MGR. CJR. CH. ARCH. VNCR. CJR. ETD. RVD. SGP. F.P. JAC. BR. MGR. ROP. DES. DIR. KT	ROTHR PERSONNEL SUPPORT FACILITIES NSGA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ, BOQ, & EDF ADDITION	BEQ-STAIR SECTIONS SIZE: F CODE: 80091 NAVFAC DRAWING NO. 4195942 CONSTR. CONTR. NO. N62470-87-B-7126 SCALES AS NOTED SPEC. 05-87-7126 SHEET 43 OF 76

GENERAL NOTES

- FOOTINGS SHALL BE FOUNDED ON UNDISTURBED SOIL OR COMPACTED FILL HAVING A MINIMUM SAFE BEARING CAPACITY AS FOLLOWS:
 BEQ-----2500 PSF
 BOQ-----1500 PSF
 EDF-----1500 PSF
- COMPACTED FILL INSTALLATION SHALL BE INSPECTED, TESTED AND APPROVED BY THE CONTRACTING OFFICER'S REPRESENTATIVE PRIOR TO FOUNDATION CONSTRUCTION.
- ANCHOR BOLTS FOR COLUMN BASE PLATES SHALL BE POSITIONED WITH A TEMPLATE PRIOR TO POURING CONCRETE FOR PIERS OR FOOTINGS.
- CONCRETE FOR THE STRUCTURES SHALL BE STANDARD WEIGHT AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT AN AGE OF 28 DAYS.
- REINFORCING STEEL SHALL BE DEFORMED NEW BILLET STEEL BARS CONFORMING TO ASTM A 615, GRADE 60.
- REINFORCING STEEL MARKED CONTINUOUS (CONT.) SHALL BE LAPPED 40 X BAR DIAMETER AT SPLICES AND CORNERS.
- WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM A 185.(MAT-TYPE)
- SPLICES (LAPS) IN WELDED WIRE FABRIC SHALL BE SO MADE THAT THE OVERLAP MEASURED BETWEEN OUTERMOST CROSS WIRES IS NOT LESS THAN 2 INCHES.
- EXCEPT AS OTHERWISE SHOWN, CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT SHALL BE AS FOLLOWS:
 CONCRETE SURFACE EXPOSED TO SOIL: 1-1/2" FOR SLABS
 2" FOR WALLS AND BEAMS
 3" FOR FOOTINGS
 CONCRETE SURFACE EXPOSED TO WEATHER: 1-1/2" FOR SLABS
 1-1/2" FOR WALLS, BEAMS AND COLUMNS (#5 BAR AND SMALLER)
 2" FOR WALLS, BEAMS AND COLUMNS (#6 BAR AND LARGER)
 INTERIOR CONCRETE SURFACES: 3/4" FOR SLABS AND WALLS
 1-1/2" FOR BEAMS AND COLUMNS
- ALL REINFORCING STEEL SHALL BE HELD SECURELY IN PLACE TO PREVENT DISLOCATION DURING THE POURING OPERATION. SLAB REINFORCING BARS SHALL BE SUPPORTED ON HIGH CHAIRS AND BAR SPACERS OF SUITABLE DESIGN.
- CONSTRUCTION JOINTS IN ROOF AND FLOOR CONSTRUCTION SHALL BE LOCATED AT THE CENTER OF SLAB SPANS (THE POINT OF MINIMUM SHEAR). CONSTRUCTION JOINTS IN MAJOR BEAMS AND GIRDERS SHALL BE AVOIDED. FOR ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS, SEE TYPICAL DETAILS.
- PROVIDE 3/4" CHAMFER ON ALL EXPOSED CONCRETE CORNERS.
- UNLESS OTHERWISE NOTED OR SHOWN, ALL SLABS ON GROUND SHALL HAVE 6" X 6" - 1/2.9/42.9 WELDED WIRE FABRIC REINFORCING PLACED 1-1/2" FROM TOP.
- ALL SLAB PENETRATIONS FOR PIPING SHALL BE SLEEVED. PIPE SLOTS WILL BE PERMITTED ONLY WHERE SHOWN ON THE STRUCTURAL DRAWINGS. SUBMIT LAYOUT OF SLAB PENETRATIONS TO CONTRACTING OFFICER FOR APPROVAL PRIOR TO POURING CONCRETE.
- SLAB REINFORCING SHALL BE SPREAD AT OPENINGS. NO REINFORCING SHALL BE CUT IN THE FIELD.
- NO CONCRETE SHALL BE POURED UNTIL ALL EMBEDDED WORK HAS BEEN INSTALLED, TESTED AND INSPECTED.
- EXCEPT WHERE OTHERWISE NOTED, PROVIDE 30# FELT BOND BREAK BETWEEN EDGE OF SLAB ON GROUND AND ALL GRADE BEAMS, FOUNDATIONS, WALLS, BUTTRESSES, ETC.
- MORTAR FOR STRUCTURAL MASONRY SHALL CONFORM TO ASTM C476 TYPE M OR S. GROUT SHALL HAVE A 28 DAY STRENGTH OF 3,000 PSI AND MAXIMUM AGGREGATE SIZE OF 3/8 INCH. HOLLOW CONCRETE MASONRY SHALL BE LIGHTWEIGHT UNITS CONFORMING TO ASTM C90 GRADE N-1.
- STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE A.I.S.C. SPECIFICATIONS EIGHTH EDITION AND SHALL CONFORM TO ASTM A36.
- EXCEPT WHERE OTHERWISE NOTED CONNECTIONS FOR STEEL BEAMS SHALL HAVE THE CAPACITY TO SUPPORT THE MAXIMUM UNIFORM LOAD FOR THE MEMBER SPAN AND STEEL GRADE AS TABULATED ON PAGES 2-27 TO 2-46 OF THE A.I.S.C. MANUAL EIGHTH EDITION. CONNECTIONS SHALL BE SYMMETRICAL STANDARD TYPES WHERE POSSIBLE.
- BOLTED CONNECTIONS SHALL BE MADE WITH ASTM A325 HIGH STRENGTH BOLTS IN BEARING TYPE CONNECTIONS. SHOP CONNECTIONS SHALL BE WELDED WHEREVER POSSIBLE WITH E70XX ELECTRODES.
- ALL HOLES REQUIRED IN STRUCTURAL STEEL MEMBERS FOR PIPING SHALL BE SHOWN ON THE SHOP DRAWINGS AND SHALL BE MADE IN THE SHOP. NO HOLES SHALL BE CUT IN THE FIELD WITHOUT THE APPROVAL OF THE ENGINEER.
- OPEN WEB STEEL JOISTS SHALL BE FABRICATED, ERECTED AND BRIDGED IN ACCORDANCE WITH THE LATEST STANDARD SPECIFICATIONS OF THE STEEL JOIST INSTITUTE.
- ALL STEEL JOISTS SHALL BE WELDED WHEREVER THEY BEAR ON STRUCTURAL STEEL MEMBERS.
- OPEN WEB STEEL JOISTS SHALL BEAR 4 INCHES MINIMUM ON MASONRY SUPPORT; 2 1/2 INCHES MINIMUM ON STEEL SUPPORT.
- ALL PIPING, MECHANICAL EQUIPMENT AND OTHER ITEMS (EXCEPT CEILINGS) SUSPENDED FROM OPEN WEB STEEL JOISTS SHALL BE HUNG OR SUPPORTED FROM PANEL POINTS ONLY.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. CONTRACTOR SHALL VERIFY AND COORDINATE THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, INSERTS, HANGERS, CHASES, ANCHORS, HOLES, ETC. TO BE PROVIDED OR SET IN THE STRUCTURAL WORK.
- SUBMIT SHOP DRAWINGS ON ALL MATERIALS FOR APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL REVIEW, APPROVE, SIGN AND DATE ALL SHOP DRAWING SUBMITTALS PRIOR TO SUBMISSION. REPRODUCTIONS OF THE CONTRACT DRAWINGS SHALL NOT BE PERMITTED FOR SHOP DRAWING SUBMITTALS.

DESIGN LOADINGS

- FLOOR LIVE LOADS:
 SLABS ON GRADE-----150 PSF
 ELEVATED SLABS-----100 PSF
 BALCONIES-----100 PSF
 CORRIDORS-----100 PSF
 STAIRS-----100 PSF
 LOUNGE-----100 PSF
 LAUNDRY-----100 PSF
 STORAGE-----100 PSF
 ALL OTHER-----40 PSF
- ROOF LIVE LOAD:-----20 PSF
- WIND:-----110 MPH
- SEISMIC:-----ZONE 1

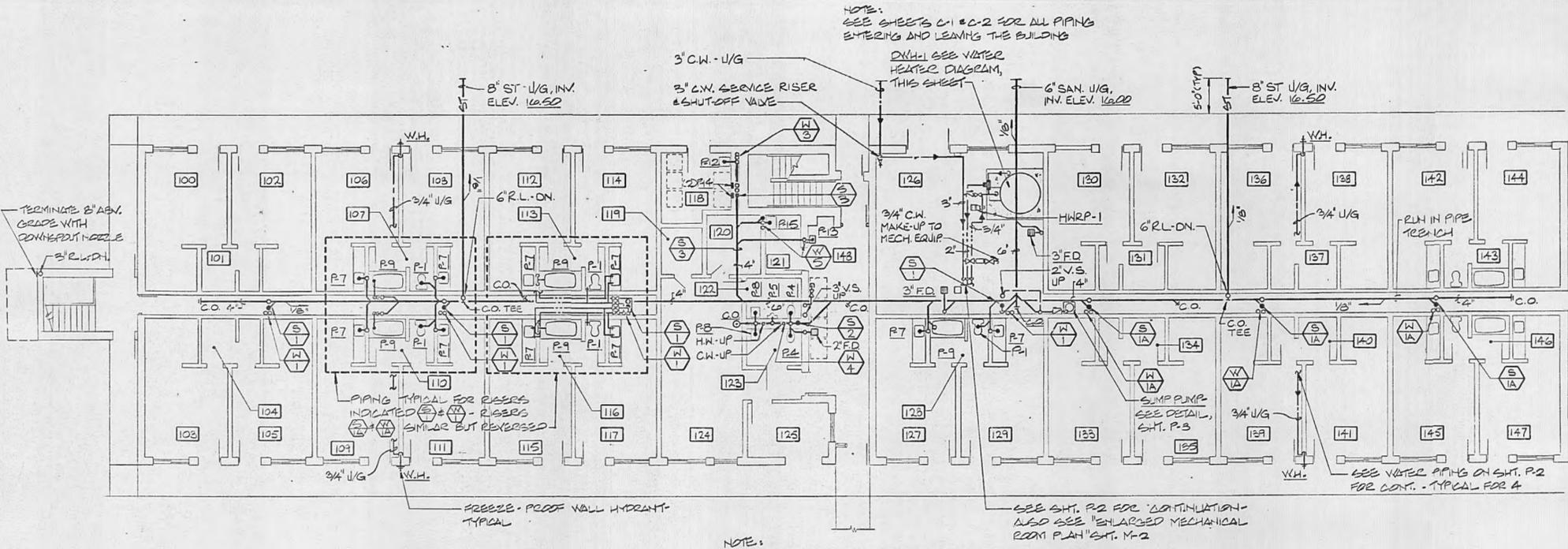


REVISIONS		
NO.	DESCRIPTION	DATE

S-12

REID & CORNWELL LTD. CONSULTING ENGINEERS VA. BEACH, VA.	WILLIAMS, TAZEWELL AND COOKE ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.
	EFD DWG NO 295948 JOB ORDER NO 5F7126 STA PROJ NO P-813 & P-827 DES. B.B.B. PROJ. MGR. C.J.R. CH. ARCH. C.J.R. EFD RVD. 2-14-99 BR. MGR. R.P.P. DES. DIR. K.D.	ROTHM PERSONNEL SUPPORT FACILITIES HSCA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ, BOQ, & EDF ADDITION GENERAL NOTES & TYP. DETAILS
APPROVED: [Signature] DATE: 2-14-99 ACTIVITY: FACTORY TO [Signature] DATE: 2-14-99 APPROVED: [Signature] DATE: 2-14-99 FOR EFD FOR COMMANDER NAVFAC		SCALE(S) NOTED SPEC 05-87-7126 SHEET 49 OF 76

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



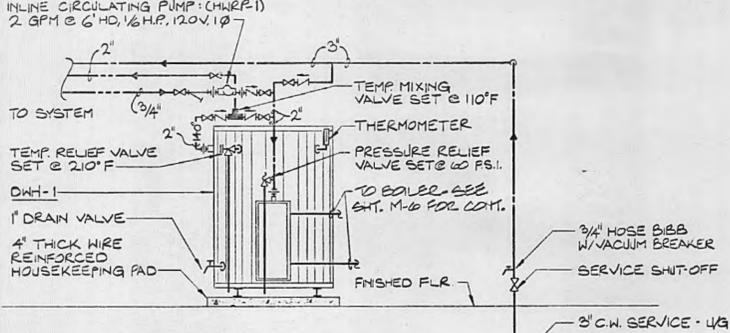
FIRST FLOOR PLUMBING PLAN-BEQ
SCALE 1/8" = 1'-0"

LEGEND

- DOMESTIC COLD WATER PIPING (C.W.)
- DOMESTIC HOT WATER PIPING (H.W.) 110°
- DOMESTIC HOT WATER RETURN (H.W.R.)
- SANITARY SEWER OR WASTE PIPE (W.P.)
- SANITARY VENT PIPING (V.P.)
- RL RAIN LEADER PIPING (ABOVE GRADE)
- ST STORM DRAIN PIPING (BELOW GRADE)
- RLE RAIN LEADER
- RDO ROOF DRAIN (R.D.)
- WCOH CLEANOUT (WALL TYPE) (W.C.O.)
- C.OO CLEANOUT (FLOOR TYPE) (C.O)
- C.O.P CLEANOUT PLUG
- V.T.R VENT THRU ROOF (V.T.R.)
- F.D.F FLOOR DRAIN (F.D.)
- PIPING TURN UP
- PIPING TURN DOWN
- DIRECTION OF PITCH
- DIRECTION OF FLOW
- GATE VALVE
- CHECK VALVE
- BACKFLOW PREVENTER, REDUCED PRESSURE
- BALANCING VALVE
- VACUUM BREAKER
- VALVE IN RISER
- UNION
- TEMPERATURE AND PRESSURE RELIEF VALVE
- PRESSURE RELIEF VALVE
- AFF ABOVE FINISHED FLOOR
- A.F.G ABOVE FINISH GRADE
- CAPPED CONNECTION
- LIMIT OF DEMOLITION WORK
- POINT OF CONNECTING NEW TO EXISTING
- WATER HAMMER ARRESTOR (PDI SIZE NOTED)
- THERMOMETER (0-200 DEGREES F.)
- ACCESS PANEL (A.P.) 12"x12"
- NOT IN CONTRACT
- WASTE RISER DIAGRAM DESIGNATION
- WATER RISER DIAGRAM DESIGNATION
- FOS FUEL OIL SUPPLY PIPING
- FOR FUEL OIL RETURN PIPING
- H.B.H HOSE BIBB
- W.H.W WALL HYDRANT
- INV. ELEV. INVERT ELEVATION
- DEMOLITION NOTE REFERENCE
- 140° DOMESTIC HOT WATER PIPING (140°F)
- * EXISTING PIPING OR EQUIPMENT
- V.S. VENT STACK
- U.B. UNDERGROUND

FIXTURE CONNECTION SCHEDULE						
MK.	FIXTURE	C.W.	H.W.	W.P.	V.P.	REMARKS
P1	WATER CLOSET	1/2"	—	4"x3"	2"	FLOOR MOUNTED, FLUSH VALVE
P2	LABORATORY	1/2"	1/2"	1 1/2"	1 1/2"	WALL MOUNTED
P3	WATER CLOSET	1"	—	4"x3"	2"	FLOOR MOUNTED, FLUSH VALVE
P4	WATER CLOSET - WHEELCHAIR	1"	—	4"x3"	2"	FLOOR MOUNTED, FLUSH VALVE
P5	URINAL	3/4"	—	2"	1 1/2"	WALL MOUNTED, FLUSH VALVE
P6	LABORATORY	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED - OVAL
P7	LABORATORY	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED - RECTANGULAR
P8	LABORATORY - WHEELCHAIR	1/2"	1/2"	1 1/2"	1 1/2"	WALL MOUNTED
P9	BATHUB SHOWER	1/2"	1/2"	2"	1 1/2"	ENAMELED CAST IRON
P10	LABORATORY - WHEELCHAIR	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED
P11	KITCHEN SINK	1/2"	1/2"	1 1/2"	1 1/2"	SINGLE COMP., STAINLESS STL.
P12	LAUNDRY SINK	1/2"	1/2"	1 1/2"	1 1/2"	WALL MOUNTED
P13	ELECTRIC WATER COOLER	1/2"	—	1 1/2"	1 1/2"	WALL MOUNTED - FOR WHEELCHAIR
P14	CLOTHES WASHER CONNECTION	3/4"	3/4"	2"	1 1/2"	SEE DETAIL ON SHT. P-2
P15	MOP RECEIVING	3/4"	3/4"	5"	1 1/2"	FLOOR MOUNTED

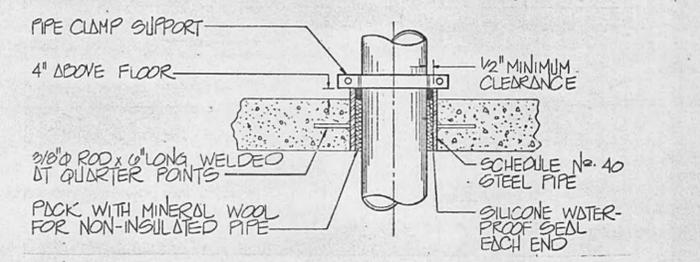
* WATER COOLER POWER REQUIREMENTS SHALL BE 1/2 H.P., 120V, 1Ø



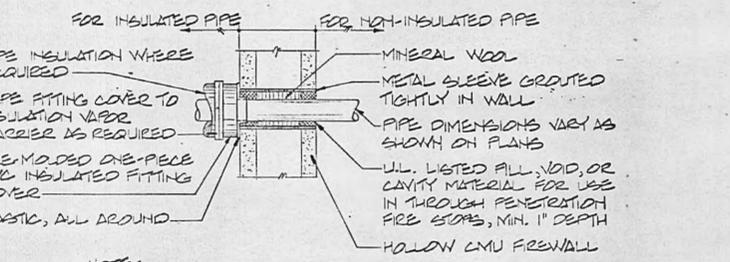
WATER HEATER DIAGRAM - (DWH-1)
NO SCALE

GENERAL NOTES

- ALL PLUMBING VENTS IN EXTERIOR WALLS SHALL BE OFFSET A MINIMUM OF 3'-0" IN CEILING AT ROOF BEFORE ROOF PENETRATION.
- ALL PLUMBING VENTS WITHIN A 10'-0" RADIUS OF EXHAUST VENTS SHALL BE EXTENDED TO A HEIGHT ABOVE EXHAUST VENT CROWN.
- ALL VENTS WITHIN A 15'-0" RADIUS OF ANY ROOF TOP UNIT SHALL BE EXTENDED TO A HEIGHT ABOVE THE FRESH AIR INTAKE.
- SLOPES AND INVERT ELEVATIONS SHALL BE ESTABLISHED BEFORE ANY PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED. ALL PIPING SHALL BE LOCATED AND DETERMINED WHERE TO BE RUN TO AVOID CONFLICT WITH OTHER TRADES.
- ALL HOSE BIBBS SHALL BE MOUNTED 24" ABOVE FINISHED FLOOR UNLESS OTHERWISE SPECIFIED.
- ALL WALL HYDRANTS SHALL BE MOUNTED 24" ABOVE FINISHED GRADE UNLESS OTHERWISE SPECIFIED.
- SEE SITE PLAN FOR THE EXTENT OF ALL PIPING LEAVING AND ENTERING BUILDING.
- MAKE PROPER PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL BRANCH MAINS, ELBOWS AND CONNECTIONS ARE NOT SHOWN.
- CHECK WITH ARCHITECTURAL WORKING DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES.
- COORDINATE THE LOCATION OF ALL PIPING WITH LIGHTING FIXTURES, DUCTS, GRILLES, HEATING PIPING, ETC.
- ALL OPENINGS IN CEILING AND PLENUM WALLS FOR PLUMBING PIPES SHALL BE SEALED AIR TIGHT.



FIRE RATED PIPE SLEEVE DETAIL
NO SCALE

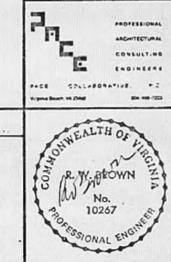
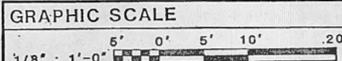


NOTE: DETAIL ILLUSTRATES PIPE INSULATION ON ONE SIDE OF FIRE RATED WALL, WHERE PIPE IS REQUIRED TO BE INSULATED ON BOTH SIDES, THE INSULATION END TREATMENT SHALL BE DUPLICATED ON BOTH SIDES.

TYPICAL FIRE STOP SLEEVE DETAIL
NO SCALE

WATER HEATER SCHEDULE						
MARK	LOCATION	STORAGE CAPACITY	RECOVERY	INPUT BTU/HR	MOUNTING	REMARKS
DWH-1	BEA	1000	1401*	1,459,000	FLOOR	BOILER WATER FEED
DWH-2	BBB	125	205*	214,000	FLOOR	OIL-FIRED
DWH-3	EDF	200	270*	282,000	FLOOR	STEAM-FIRED

* RELIEF @ 90° TEMP. RISE (50° TO 140°)



P-1

WILLIAMS, TAZEWELL AND COOKE
ARCHITECTURE, ENGINEERING
PLANNING, INTERIORS
NORFOLK, VIRGINIA

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NAVAL STATION
NORFOLK, VA.

ROTHR PERSONNEL SUPPORT FACILITIES
NSGA NORTHWEST, CHESAPEAKE, VIRGINIA
BEQ, BOQ, & EDF ADDITION

FIRST FLOOR PLUMBING PLAN & LEGEND -BEQ

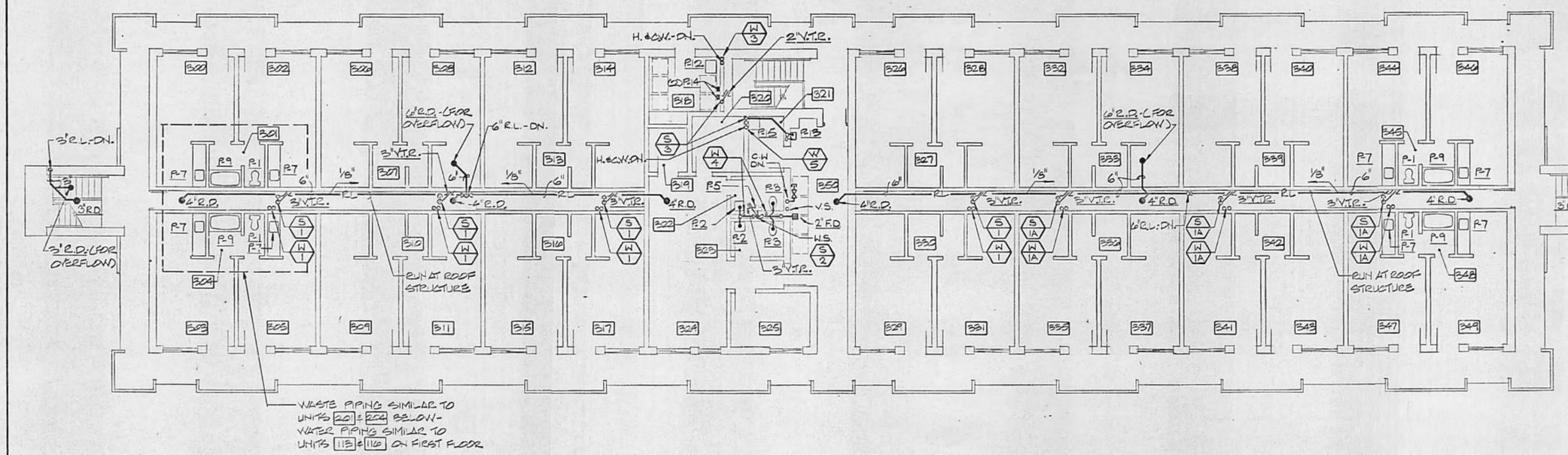
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DATE: 2-14-59

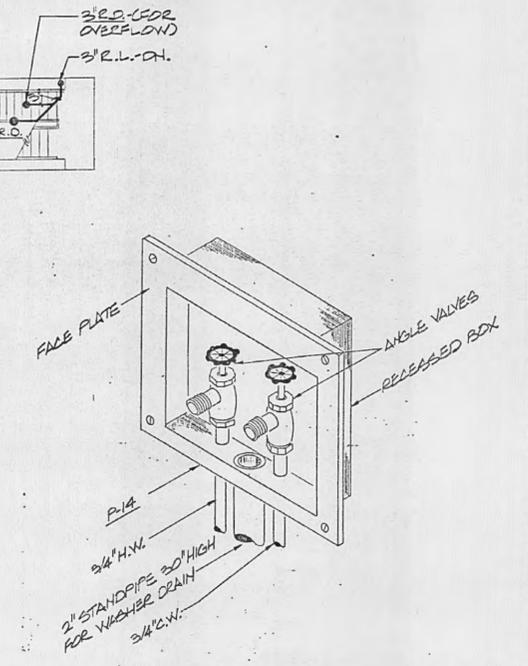
SCALE NOTED SPEC 05-87-7126

SHEET 50 OF 76

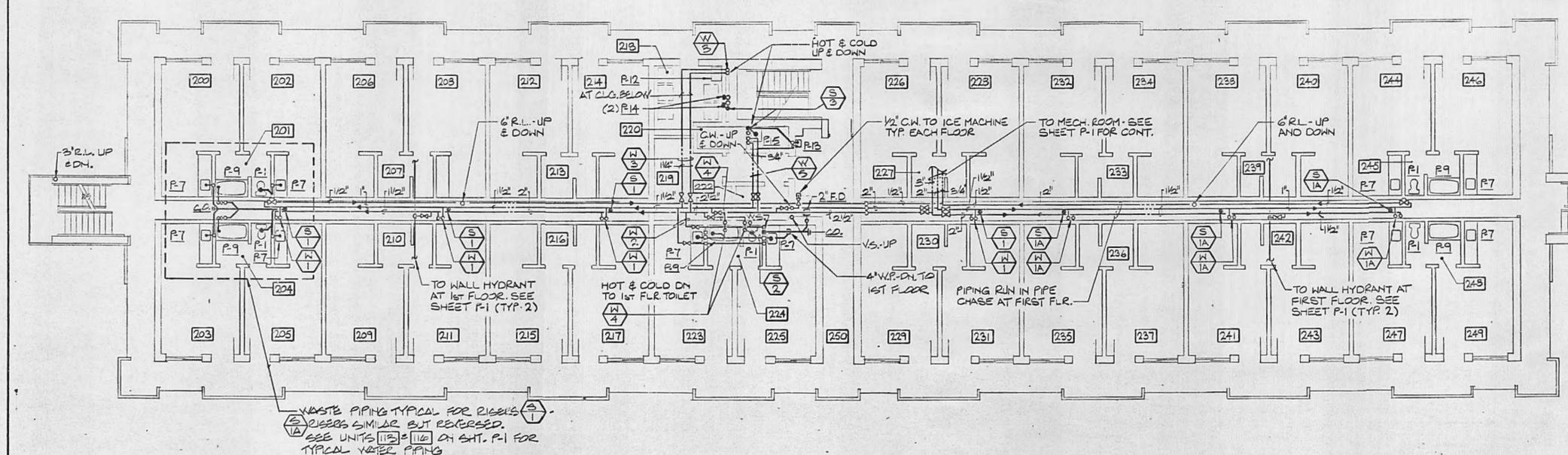
REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



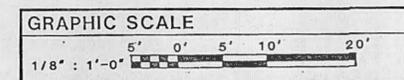
THIRD FLOOR PLUMBING PLAN-BEQ
 SCALE 1/8" = 1'-0"
 (THIRD FLOOR IS A CONSTRUCTION OPTION)



CLOTHES WASHER CONNECTION DETAIL
 NO SCALE

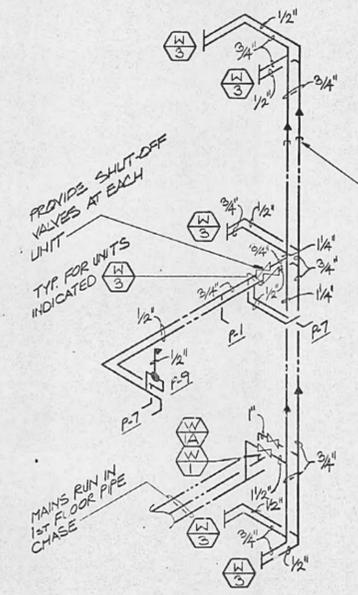


SECOND FLOOR PLUMBING PLAN-BEQ
 SCALE 1/8" = 1'-0"
 NOTE: SEE SHEET P-1 FOR FIXTURE CONNECTION SCHEDULE.



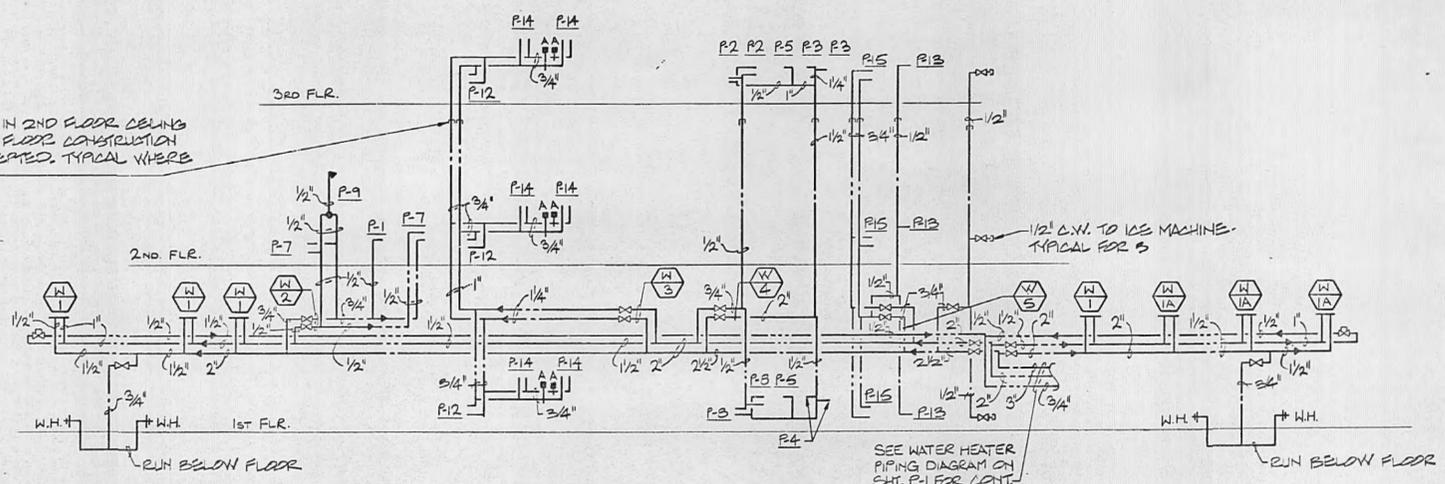
	WILLIAMS, TAZEWELL AND COOKE ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.	P-2
	EFD DWG NO 295950 JOB ORDER NO 5F7126 STA PROJ NO DES TLM PROJ MGR RWB EFD RVD SEV BR MGR APPROVED DATE ADJUTANT SATISFACTORY TO SUPERVISOR FOR EFD FOR COMMANDER NAVFAC	ROTHR PERSONNEL SUPPORT FACILITIES NSGA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ, BOQ, & EDF ADDITION	SECOND AND THIRD FLOOR PLUMBING PLANS-BEQ NAVFAC DRAWING NO 4195950 CONSTR CONTR NO N62470-87-8-7126 SCALE NOTED SPEC 05-87-7126 SHEET 51 OF 76

REVISIONS		
NO.	DESCRIPTION	DATE

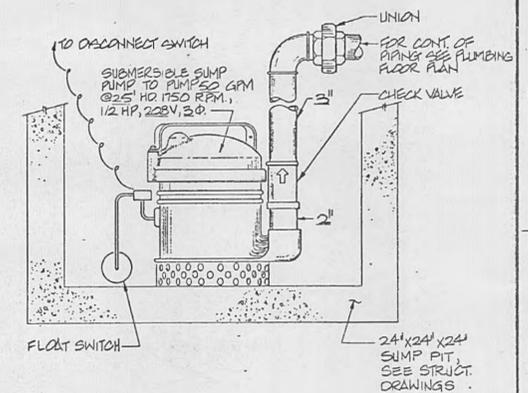


TYPICAL WATER RISER
NO SCALE
SIMILAR BUT REVERSED

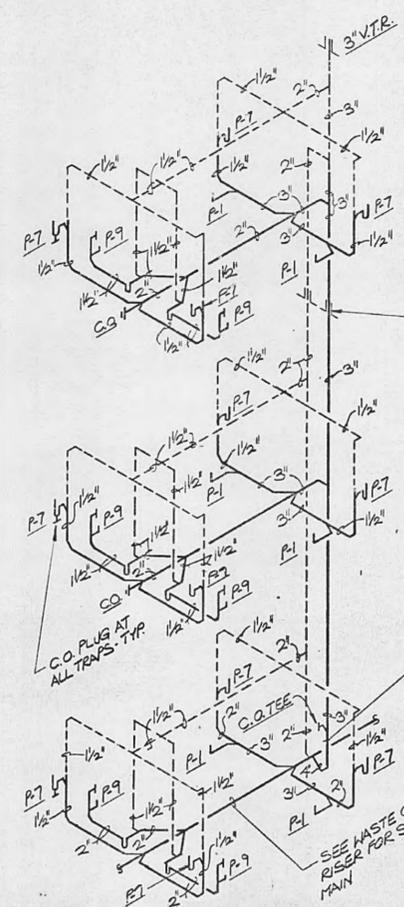
NOTE: CAP OFF RISERS IN 2ND FLOOR CEILING IN THE EVENT 2ND FLOOR CONSTRUCTION OPTION IS NOT ACCEPTED. TYPICAL WHERE INDICATED THIS



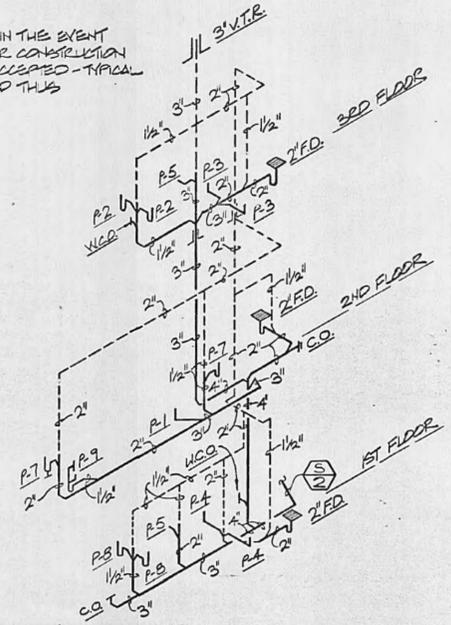
WATER DISTRIBUTION RISER
NO SCALE



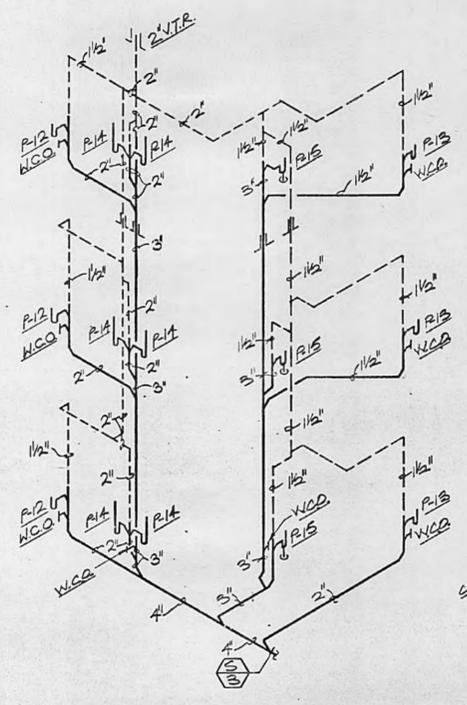
SUMP PUMP DETAIL
NO SCALE



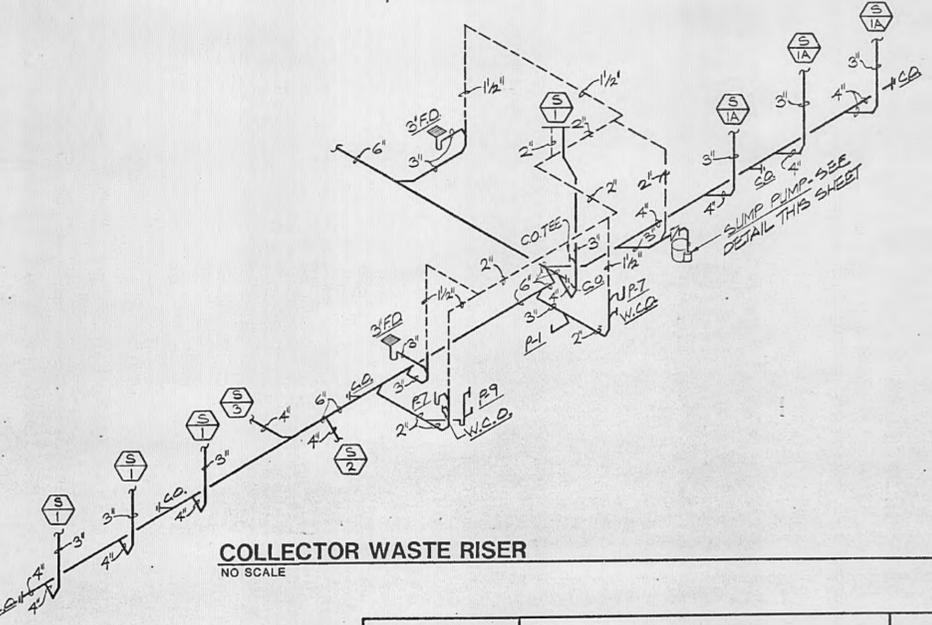
TYPICAL WASTE RISER
NO SCALE
SIMILAR BUT REVERSED



TYPICAL WASTE RISER
NO SCALE



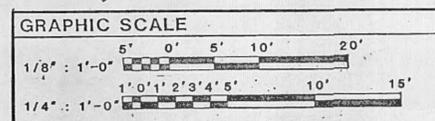
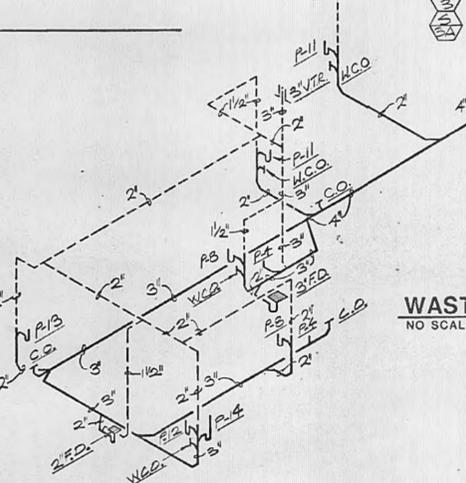
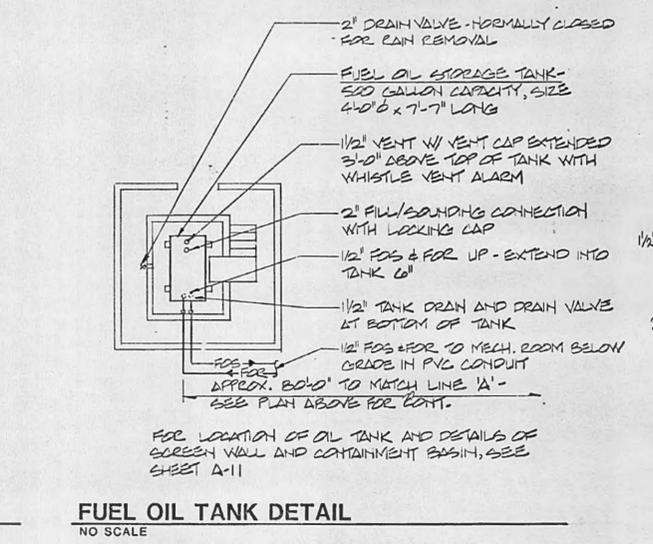
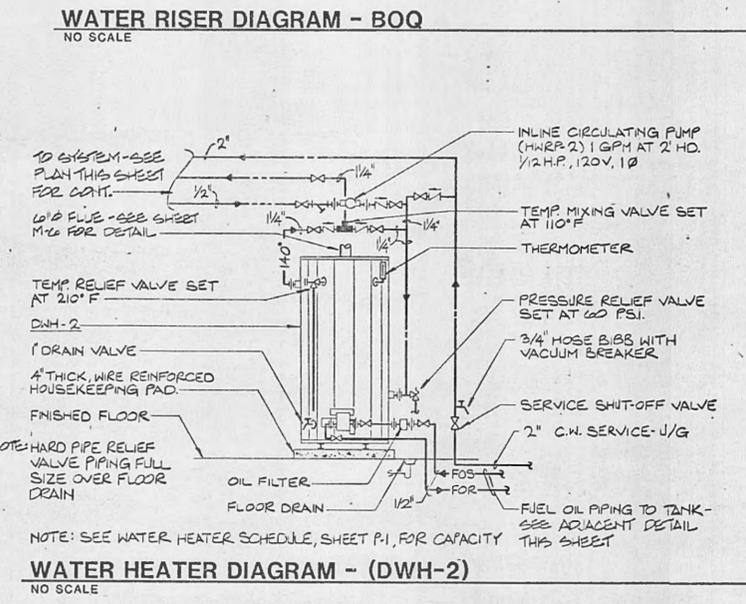
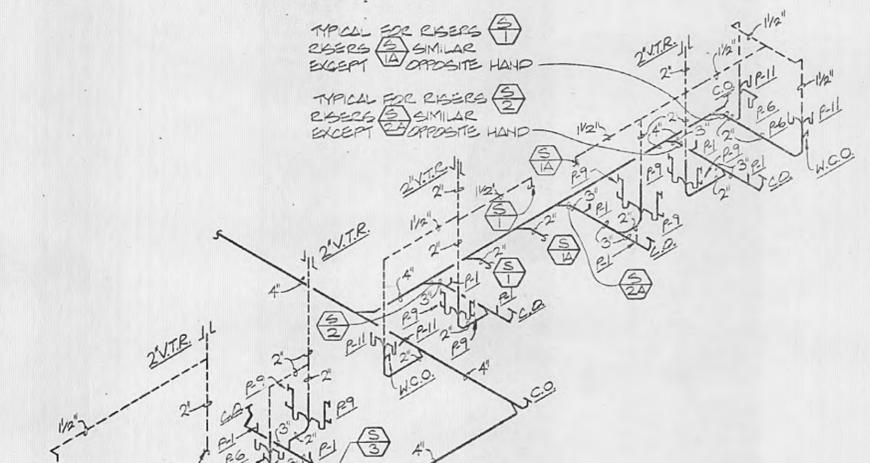
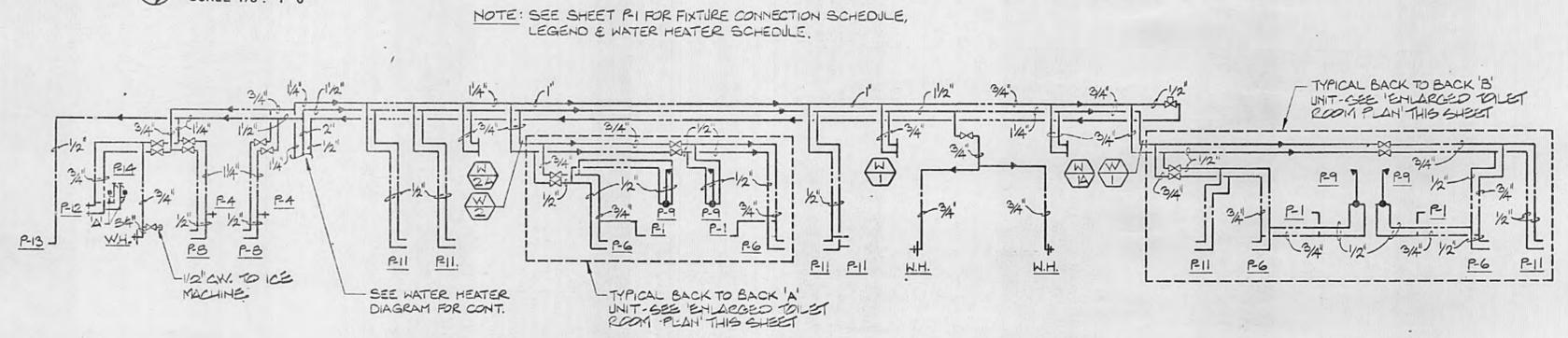
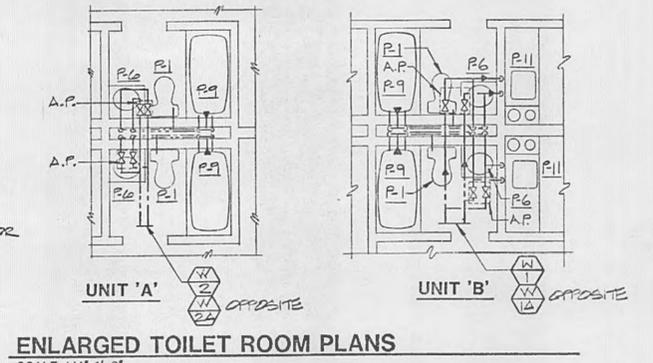
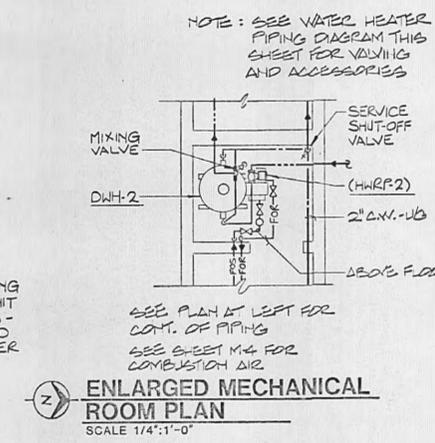
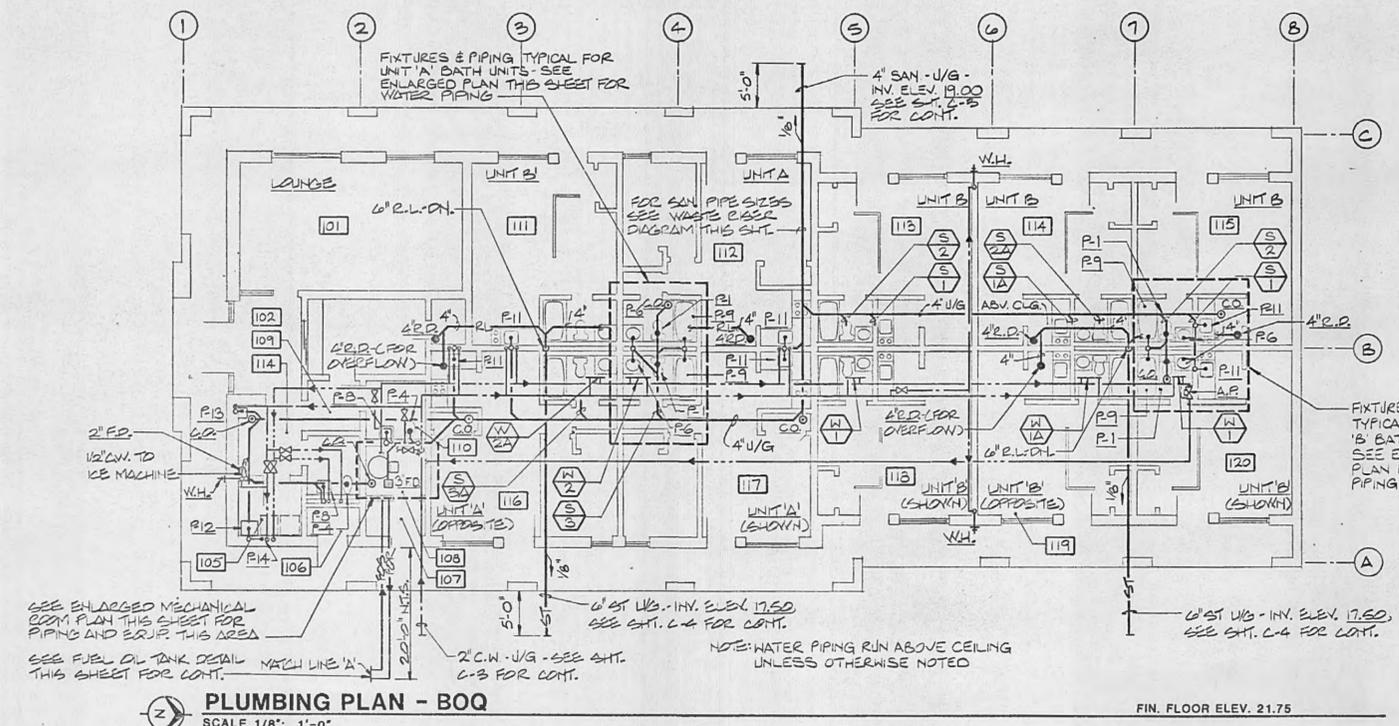
TYPICAL WASTE RISER
NO SCALE



COLLECTOR WASTE RISER
NO SCALE

	PROFESSIONAL ARCHITECTURAL CONSULTING ENGINEERS PAGE COLLABORATIVE P.C. Original Date: 04/2008	P-3 DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.
	EFD DWG NO 295951 JOB ORDER NO 5F7126 STA PROJ NO. DES TLM DRAWN SDW PROJ MGR RWB CH ARCH/ENGR EFD RVD SEV F.P. JEL BR MGR DATE DES DIR KJ APPROVAL DATE 2-14-09 ACTIVITY - SATISFACTORY TO APPROVAL DATE 2-14-09 FOR EFD FOR COMNAVSTA/NAVFAC	ROTH PERSONNEL SUPPORT FACILITIES NSGA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ, BOQ, & EDF ADDITION WATER & WASTE RISER DIAGRAMS - BEQ NAVFAC DRAWING NO. 4195951 CONGTA CONTR NO. N62470-87-B-7126 SCALE NONE SPEC 05-87-7126 SHEET 52 OF 76

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



	WILLIAMS, TAZEWELL AND COOKE ARCHITECTURE, ENGINEERING PLANNING, INTERIORS NORFOLK, VIRGINIA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.
	EFD DWG NO 285952 JOB ORDER NO 5F7126 STA PROJ NO DES TLM DRAW TLM PROJ MGR RWB CH ARCH/ENGR EFD RVD SPV P. J. SULLIVAN BR MGR RWB DES DIR VTD APPROVED: [Signature] DATE: [Date] ACTIVITY: SATISFACTORY TO [Date] FOR EFD FOR COMMANDER NAVFAC	ROTH PERSONNEL SUPPORT FACILITIES NSGA NORTHWEST, CHESAPEAKE, VIRGINIA BEQ, BOQ, & EDF ADDITION