

REV	DESCRIPTION	PREP BY

### DRAWING INDEX

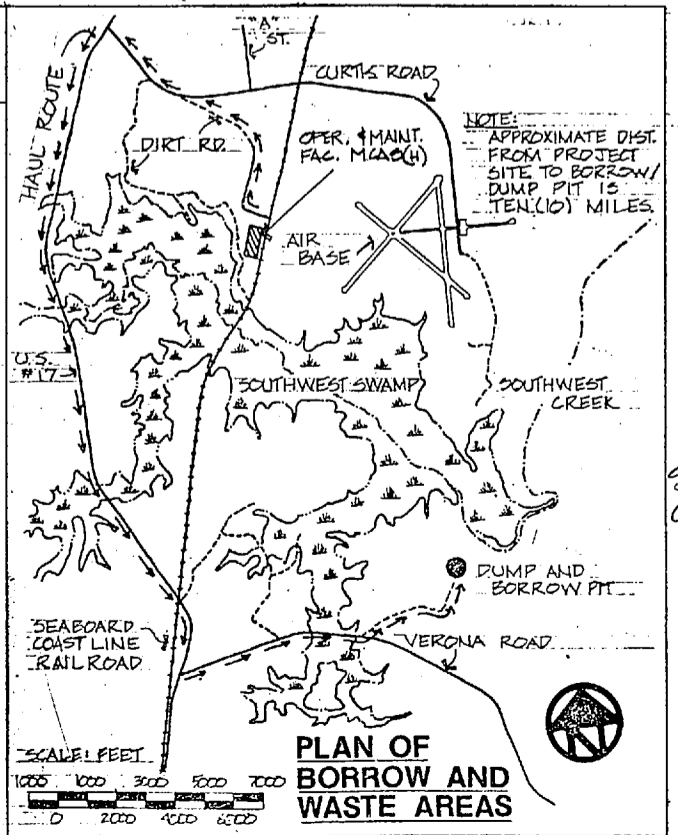
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E-8	4039389	139389	PANEL SCHEDULES
E-9	4039390	139390	PANEL SCHEDULES
E-10	4039391	139391	PANEL SCHEDULES

### ABBREVIATIONS

ACOUS.	ACOUSTICAL	FUT.	FUTURE	RH.	ROOM
ADJ.	ADJUSTABLE	GA.	GAUGE	S	SINK
ALUM.	ALUMINUM	GALV.	GALVANIZED	S.D.	SOAP DISPENSER
BLKG.	BLOCKING	GYP. BD.	GYPHUM BOARD	S.S.	SERVICE SINK
C.O.	COMMANDING OFFICER	H.M.	HOLLOW METAL	SCHED.	SCHEDULE
CER.	CERAMIC	H.R.	HOT ROLLED	SGT'S.	SGENT'S
CLD.	CEILING	HDW.	HARDWARE	SHW.	SHOWER
CLM. GR.	CLEAN GEAR	HORIZ.	HORIZONTAL	SHT.	SHEET
CLR.	CLEAR	IN.	INCH	SIM.	SIMILAR
CONC.	CONCRETE	INT.	INTERIOR	SPECS.	SPECIFICATION
CONH.	CONNECTION	LAM.	LAMINATED	SQ.	SQUARE
CONT.	CONTINUOUS	LAV.	LAVATORY	STDS.	STANDARDS
CTR.	COUNTER	LOC.	LOCATION	STL.	STEEL
D.	DRYER	M.O.	MASONRY OPENING	STRUCT.	STRUCTURAL
D/F	DRINKING FOUNTAIN	MACH'S.	MACHINE'S	T-BARS	TONEL BARS
DET.	DETAIL	MAS.	MASONRY	T.P.O.	TOILET PAPER DISPENSER
DR.	DOOR	MAT.	MATERIAL	T.P.H.	TOILET PAPER HOLDER
DN.	DOWN	MAX.	MAXIMUM	TOIL.	TOILET
DWG.	DRAWING	MET.	METAL	TYP.	TYPICAL
EA.	EACH	MTL.	METAL	V.A.	VINYL ASBESTOS
ELEC.	ELECTRIC	MIN.	MINIMUM	VERT.	VERTICAL
ELEV.	ELEVATION	N.T.S.	NOT TO SCALE	VEST.	VESTIBULE
EQUIP.	EQUIPMENT	NO.	NUMBER	W.	WASHER
EXP.	EXPANSION	O.C.	ON CENTER	M.C.	MATER CLOSET
EXPN.	EXPANSION	PL.	PLACE	NO.	WOOD
EXT.	EXTERIOR	PRCST.	PRECAST	X.O.	SUPPLY OFFICER
FIN.	FINISH	PT.	POINT		
FL.	FLOOR	R.D.	ROOF DRAIN		

### LEGEND

(101)	ROOM NUMBER AND SCHEDULED ROOM FINISH	[Hatched Box]	BRICK WALL
(S)	DETAIL NUMBER	[Hatched Box]	CONCRETE MASONRY UNIT WALL
A-1 A-4	DWG. NO. ON WHICH DETAIL OR SECTION IS DRAWN	[Dotted Box]	CONCRETE
A-1 A-4	DWG. NO. ON WHICH DETAIL OR SECTION IS CUT	[Hatched Box]	METAL STUD AND GYP. BD. WALL
(1)	SECTION REFERENCE	[Hatched Box]	METAL STUD WALL WITH BATT INSUL.
(1)	INTERIOR ELEVATION REFERENCE	[Hatched Box]	FINISH WOOD
(1)	DOOR NUMBER	[Hatched Box]	ROUGH WOOD
(1)	WINDOW TYPE	[Hatched Box]	METAL SECTION
		[Hatched Box]	RIGID INSULATION



AS 4165  
SAS 4160  
SAS 4162  
SAS 4161

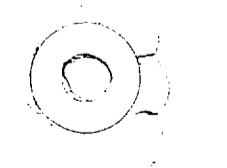
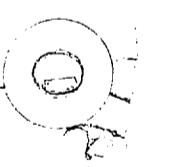
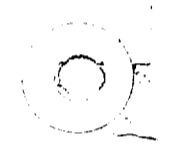
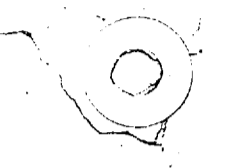
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DATE 12/1/67

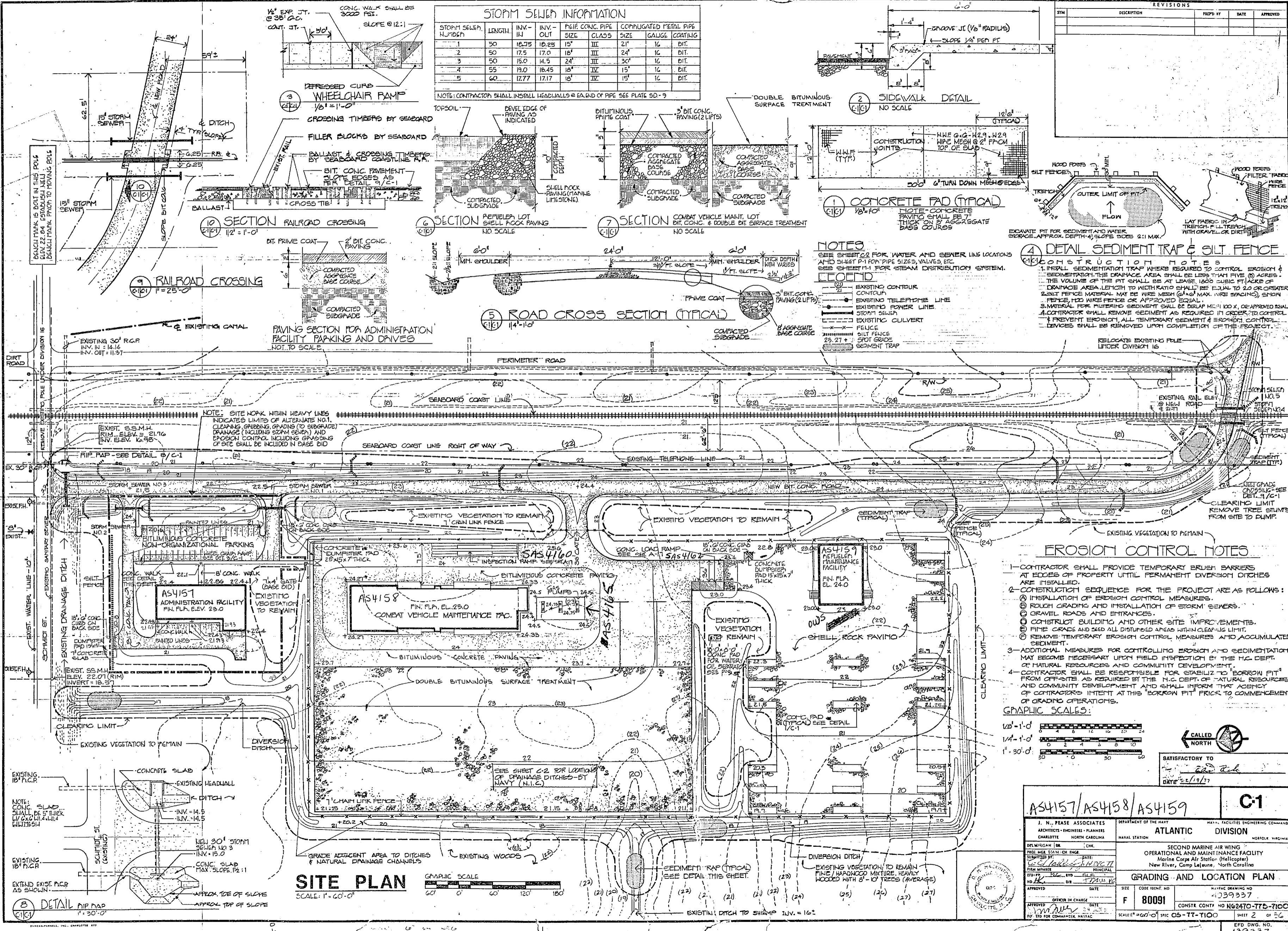
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AS-4158 AS-4159 CS-1

J. N. PEASE ASSOCIATES ARCHITECTS-ENGINEERS-PLANNERS CHARLOTTE NORTH CAROLINA	DEPARTMENT OF THE NAVY NAVAL STATION ATLANTIC DIVISION PORTSMOUTH VIRGINIA
DES. DR. O.P.C. [CHK] PROJ. MGR. [CHK] DATE: 14 DEC 77 PRINCIPAL	SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY New River, Camp Lejeune, North Carolina
APPROVED: [Signature] DATE: [ ]	INDEX AND COVER SHEET NAVFAC DRAWING NO. 4039336 CONST. CONTR. NO. 162470-TT-D-7100
SCALE: 1" = 100 FEET	SPEC: CS-7-7100

EFD DWG. NO. 139336

42-118  
42-118

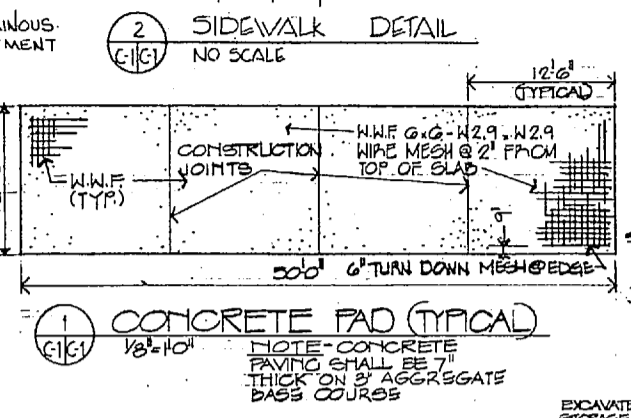




### STORM SEWER INFORMATION

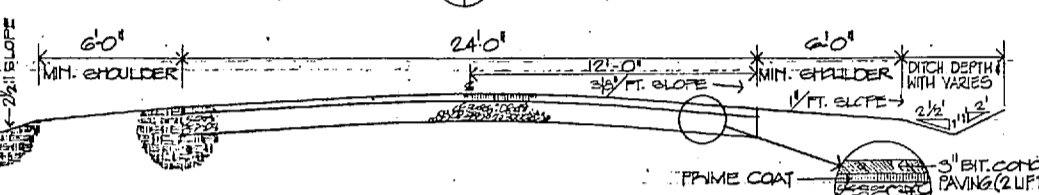
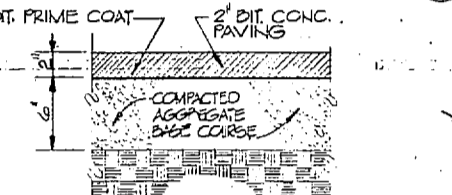
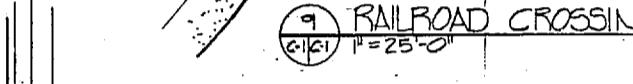
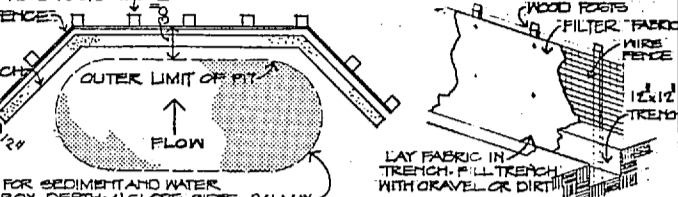
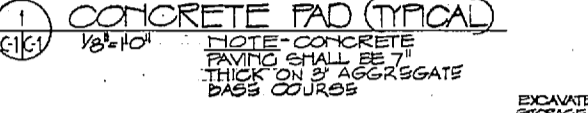
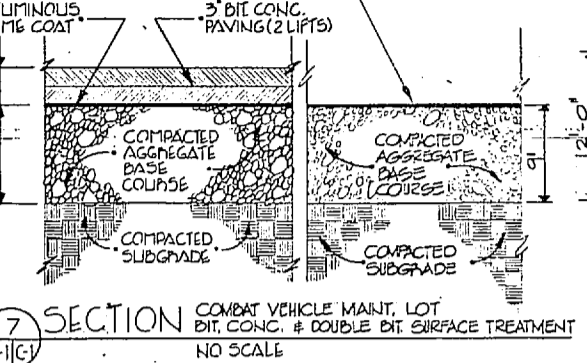
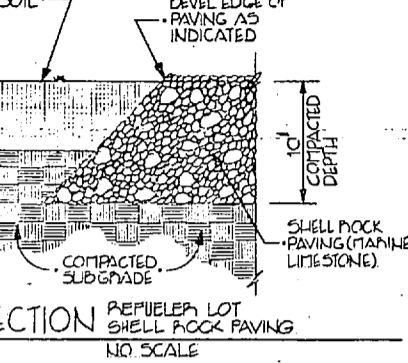
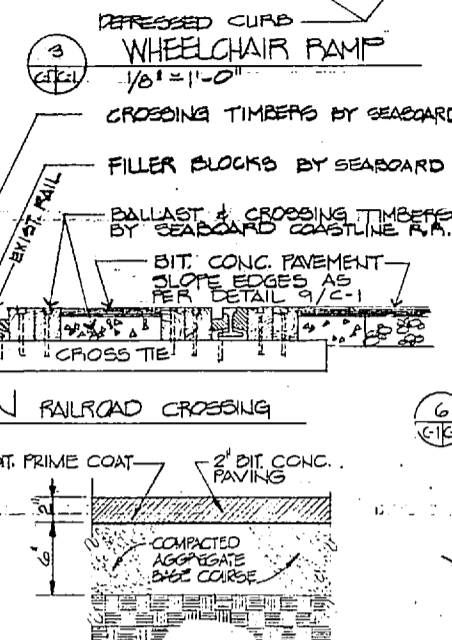
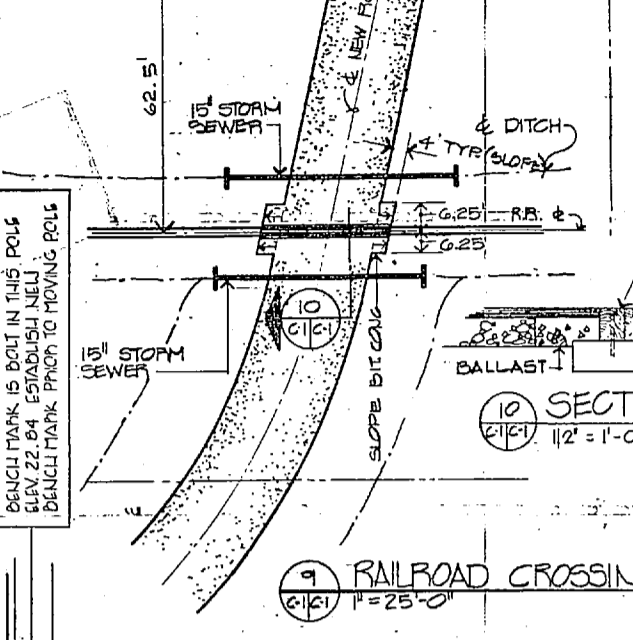
STORM SEWER NUMBER	LENGTH	INV. IN	INV. OUT	PIPE CONC. PIPE SIZE	CLASS	GAUGE	COATING
1	50	16.75	16.25	15"	III	21"	16 DIT.
2	50	17.5	17.0	15"	III	24"	16 DIT.
3	50	15.0	14.5	24"	III	30"	16 DIT.
4	55	19.0	18.45	18"	IV	15"	16 DIT.
5	60	17.77	17.17	18"	IV	15"	16 DIT.

NOTE: CONTRACTOR SHALL INSTALL HEADWALLS @ EACH END OF PIPE. SEE PLATE SD-9



### REVISIONS

NO.	DESCRIPTION	DATE	APPROVED



**NOTES**  
 SEE SHEET C2 FOR WATER AND SEWER LINE LOCATIONS AND SHEET P1 FOR PIPE SIZES, VALVES, ETC.  
 SEE SHEET M1 FOR STEAM DISTRIBUTION SYSTEM.

- LEGEND**
- EXISTING CONTOUR
  - EXISTING TELEPHONE LINE
  - EXISTING POWER LINE
  - STORM SEWER
  - EXISTING CULVERT
  - PERIMETER ROAD
  - SILT FENCE
  - SEDIMENT TRAP

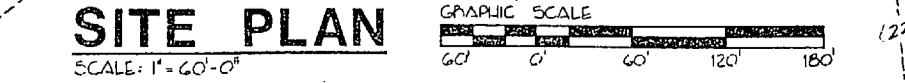
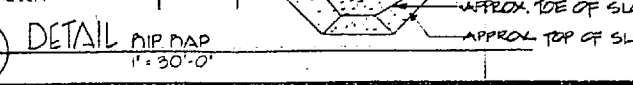
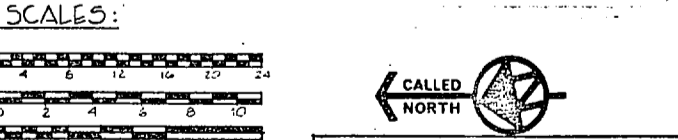
**CONSTRUCTION NOTES**

- INSTALL SEDIMENTATION TRAP WHERE REQUIRED TO CONTROL EROSION & SEDIMENTATION. THE DRAINAGE AREA SHALL BE LESS THAN FIVE (5) ACRES. THE VOLUME OF THE PIT SHALL BE AT LEAST 1000 CUBIC FEET.
- DRAINAGE AREA LENGTH TO WIDTH RATIO SHALL BE EQUAL TO 2.0 OR GREATER.
- SILT FENCE MATERIAL MAY BE WIRE MESH (6"x6" MAX. WIRE SPACING), SNOW FENCE, HOOD WIRE FENCE OR APPROVED EQUAL.
- MATERIAL FOR FILTERING SEDIMENT SHALL BE DUMP MESH 100 X, OR APPROVED EQUAL.
- CONTRACTOR SHALL REMOVE SEDIMENT AS REQUIRED IN ORDER TO CONTROL EROSION. ALL TEMPORARY SEDIMENT & EROSION CONTROL DEVICES SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.

NOTE: SITE WORK WITHIN HEAVY LINES INDICATES LIMITS OF ALTERNATE NO. 1 CLEARING GRUBBING GRADING (TO SUBGRADE) DRAINAGE (INCLUDING STORM SEWER) AND EROSION CONTROL INCLUDING GRASSING OF SITE SHALL BE INCLUDED IN BASE BID

### EROSION CONTROL NOTES

- CONTRACTOR SHALL PROVIDE TEMPORARY BRUSH BARRIERS AT EDGES OF PROPERTY UNTIL PERMANENT DIVERSION DITCHES ARE INSTALLED.
- CONSTRUCTION SEQUENCE FOR THE PROJECT ARE AS FOLLOWS:
  - INSTALLATION OF EROSION CONTROL MEASURES.
  - ROUGH GRADING AND INSTALLATION OF STORM SEWERS.
  - GRAVEL ROADS AND ENTRANCES.
  - CONSTRUCT BUILDING AND OTHER SITE IMPROVEMENTS.
  - FINE GRADE AND SOD ALL DISTURBED AREAS WITHIN CLEARING LIMIT.
  - REMOVE TEMPORARY EROSION CONTROL MEASURES AND ACCUMULATED SEDIMENT.
- ADDITIONAL MEASURES FOR CONTROLLING EROSION AND SEDIMENTATION MAY BECOME NECESSARY UPON FIELD INSPECTION BY THE N.C. DEPT. OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR STABILIZING BORROW PIT FROM OFF-SITE AS REQUIRED BY THE N.C. DEPT. OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT AND SHALL INFORM THAT AGENCY OF CONTRACTOR'S INTENT AT THIS BORROW PIT PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.



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 DATE: 12/19/77

**AS4157/AS4158/AS4159**

**C-1**

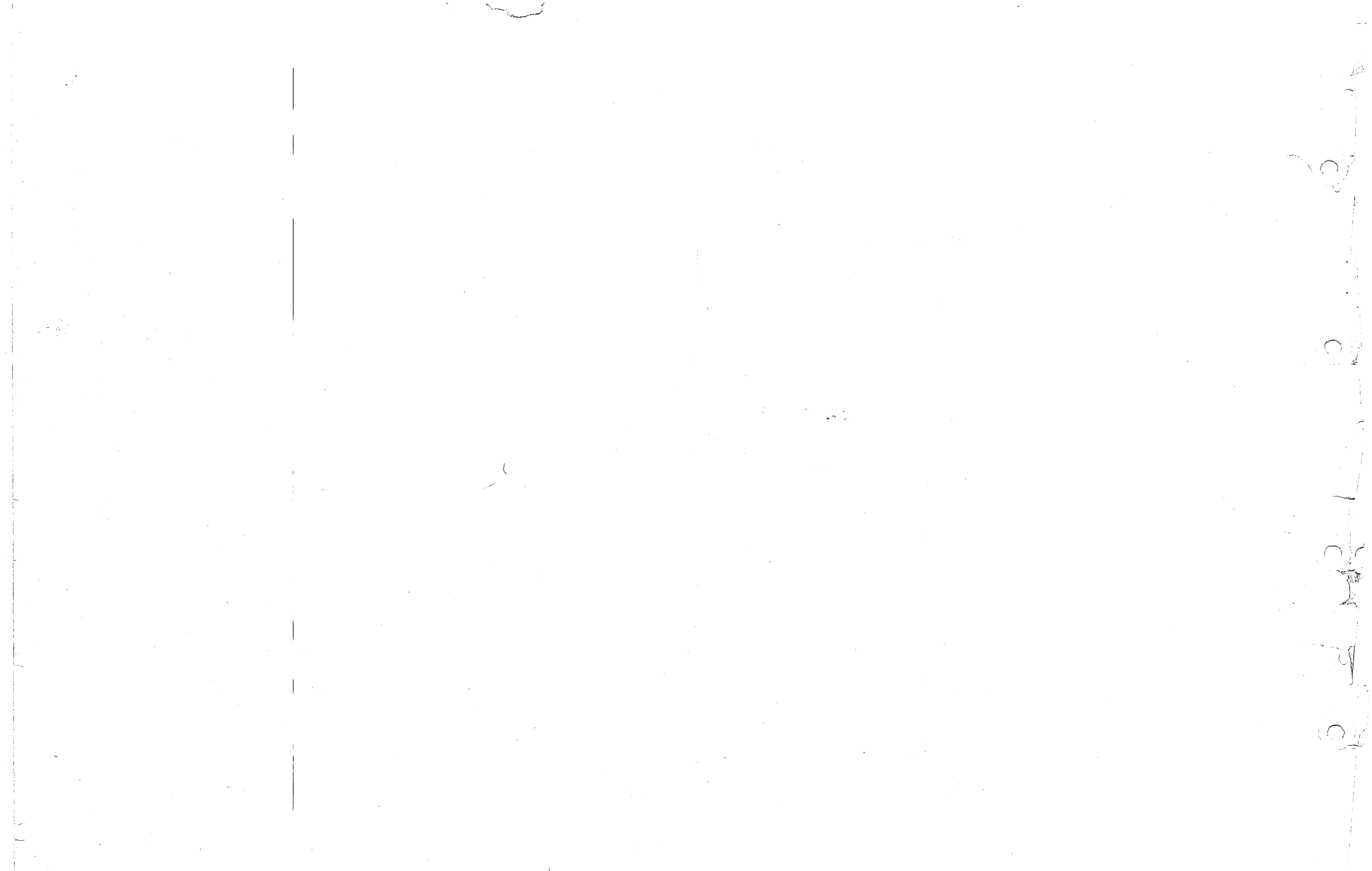
J. N. PEASE ASSOCIATES  
 ARCHITECTS - ENGINEERS - PLANNERS  
 CHARLOTTE NORTH CAROLINA

DEPARTMENT OF THE NAVY  
 NAVAL STATION  
 ATLANTIC DIVISION  
 NORTH CAROLINA

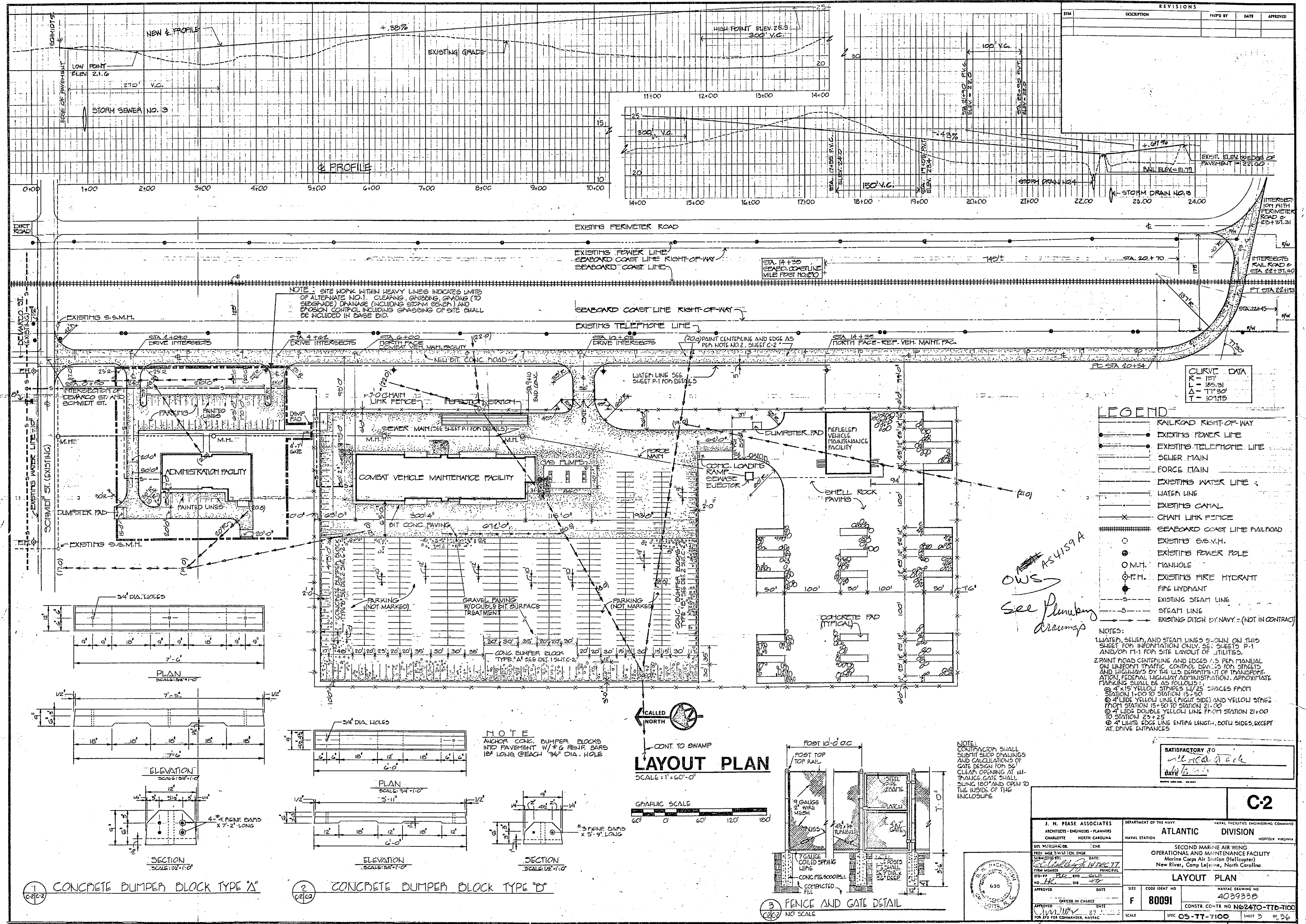
SECOND MARINE AIR WING  
 OPERATIONAL AND MAINTENANCE FACILITY  
 Marine Corps Air Station (Helicopter)  
 New River, Camp Lejeune, North Carolina

**GRADING AND LOCATION PLAN**

NAVAC DRAWING NO. 4039337  
 CONSTE. CONTY. NO. N62470-TT5-7100  
 SHEET 2 OF 26



1000  
100  
100



STATION	DESCRIPTION	DATE	APPROVED

CURVE DATA	
R	127'
L	185.31'
Δ	11°30'
T	101.95'

- LEGEND**
- RAILROAD RIGHT-OF-WAY
  - EXISTING POWER LINE
  - EXISTING TELEPHONE LINE
  - SEWER MAIN
  - FORCE MAIN
  - EXISTING WATER LINE
  - WATER LINE
  - EXISTING CANAL
  - CHAIN LINK FENCE
  - SEABOARD COAST LINE RAILROAD
  - EXISTING S.S.M.H.
  - EXISTING POWER POLE
  - M.H.
  - F.H.
  - F.H.
  - EXISTING STEAM LINE
  - STEAM LINE
  - EXISTING DITCH BY NAVY (NOT IN CONTRACT)

**NOTES:**

1. WATER, SEWER, AND STEAM LINES SHOWN ON THIS SHEET FOR INFORMATION ONLY. SEE SHEETS P-1 AND/OR M-1 FOR SITE LAYOUT OF UTILITIES.
2. PAINT ROAD CENTERLINE AND EDGES AS PER MANUAL ON AIRPORT TRAFFIC CONTROL SIGNALS FOR STREETS AND HIGHWAYS BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION. APPROXIMATE PARKING SPACES AS FOLLOWS:
  - 4" x 15" YELLOW STRIPES 11" SPACES FROM STATION 1+00 TO STATION 15+50
  - 4" LINE YELLOW LINE (RIGHT SIDE) AND YELLOW STRIPES FROM STATION 15+50 TO STATION 21+00
  - 4" LINE DOUBLE YELLOW LINE FROM STATION 21+00 TO STATION 25+25
  - 4" LINE EDGE LINE ENTIRE LENGTH, BOTH SIDES, EXCEPT AT DRIVE ENTRANCES

SATISFACTORY TO  
*[Signature]*  
 DATE 12/1/68

J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA	DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b>
	NAVAL STATION SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina
DIR. PROJECT NO. CHE PROJ. NO. 403933B DRAWING NO. 403933B SHEET NO. 05-77-1100	NAVAL DRAWING NO. <b>403933B</b> CONSTR. CONTR. NO. N02470-T7B-7100 SCALE: SHEET 3 OF 56



1 CONCRETE BUMPER BLOCK TYPE "A"

2 CONCRETE BUMPER BLOCK TYPE "B"

3 FENCE AND GATE DETAIL

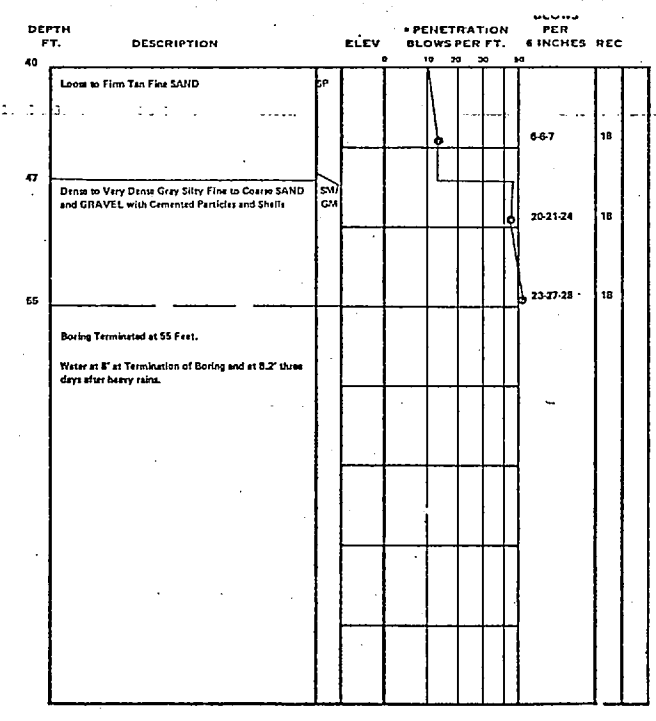
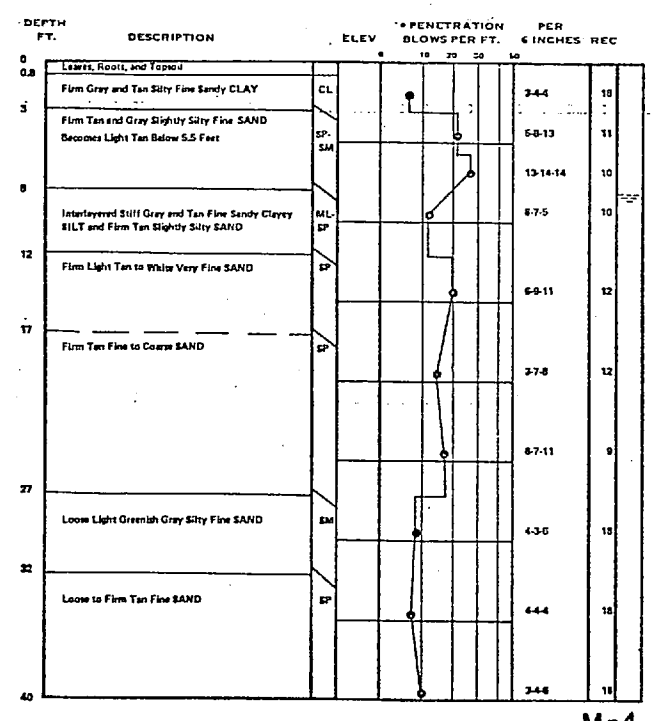
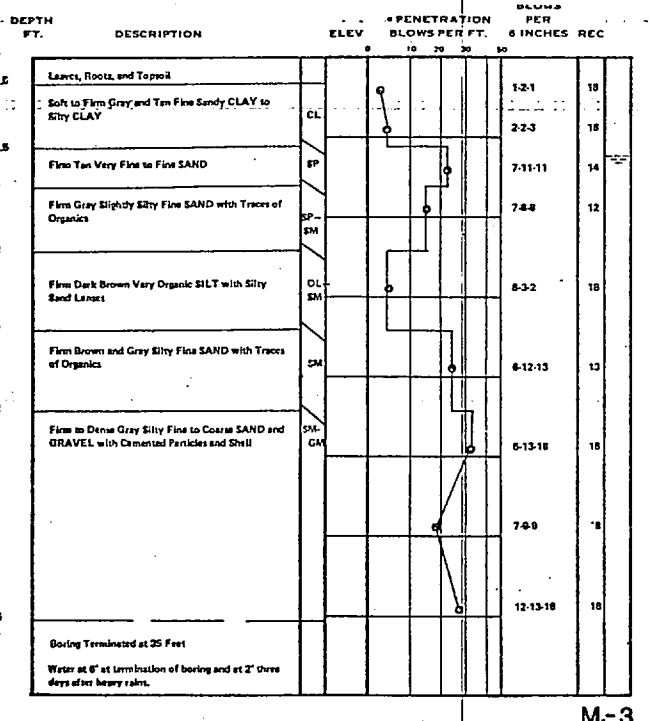
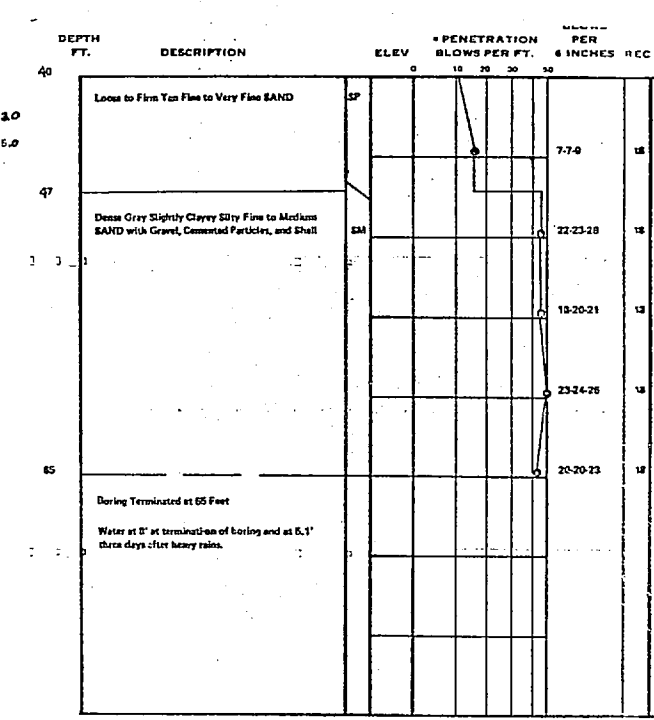
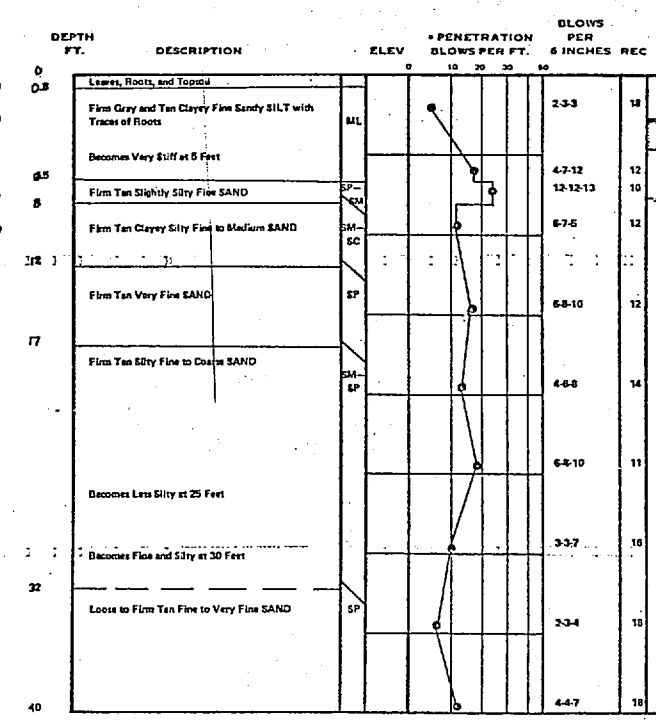
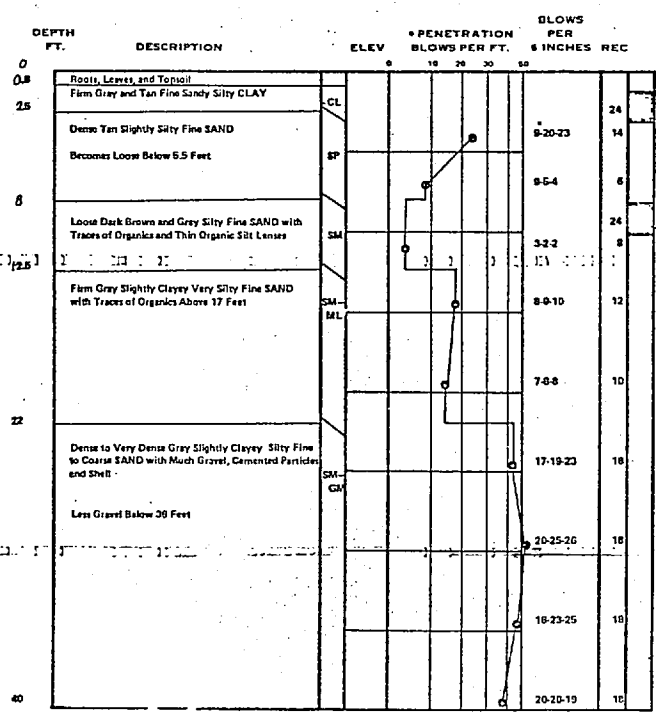
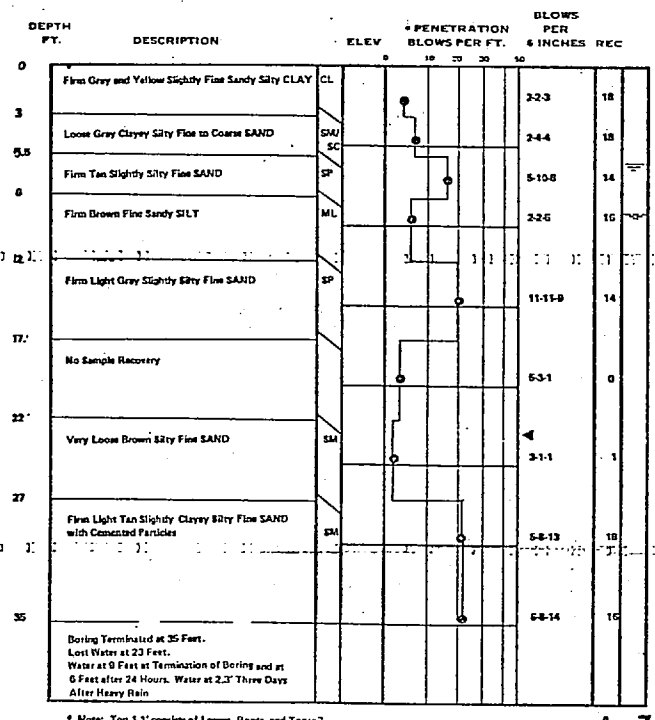
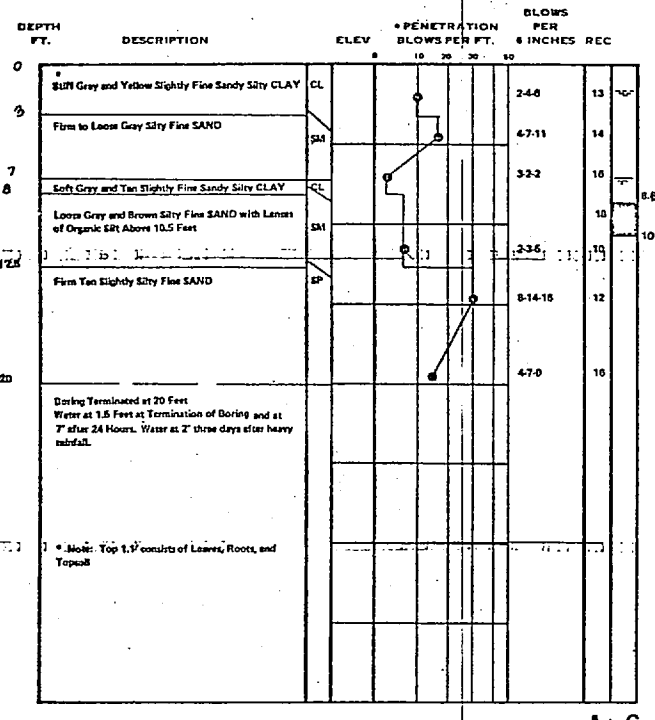
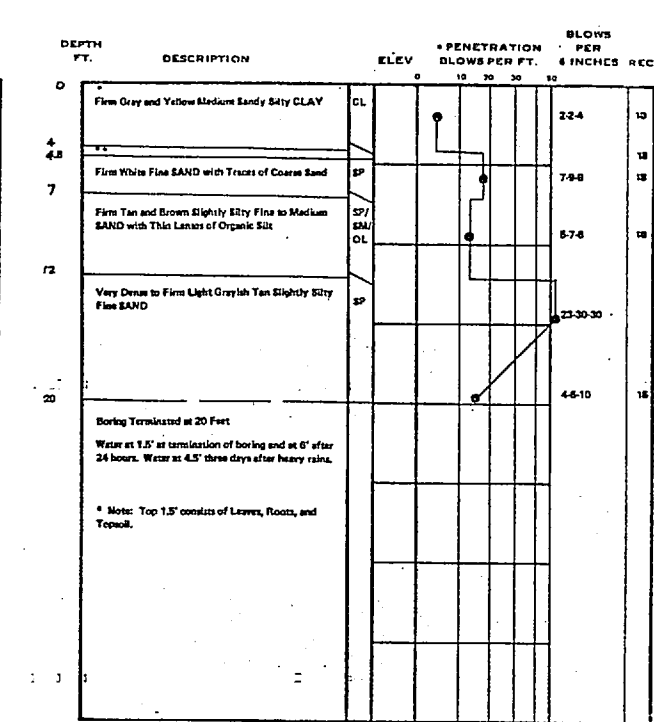
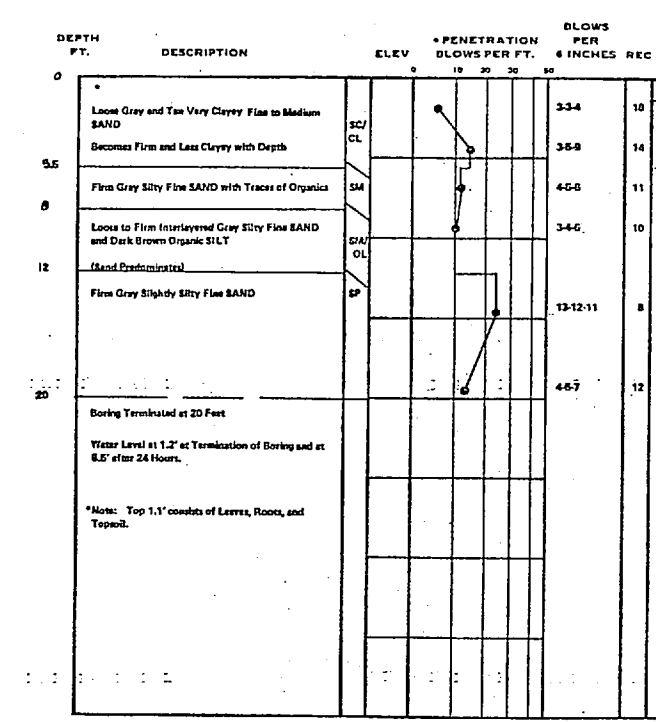
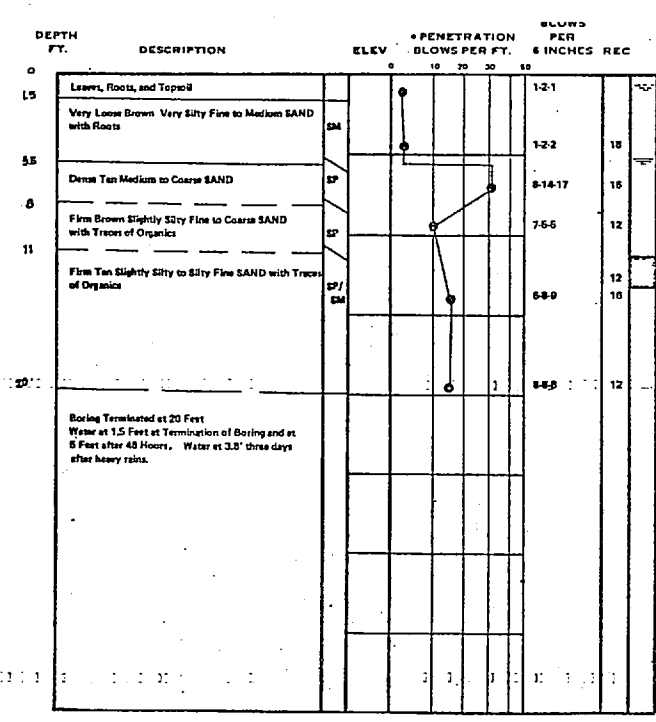
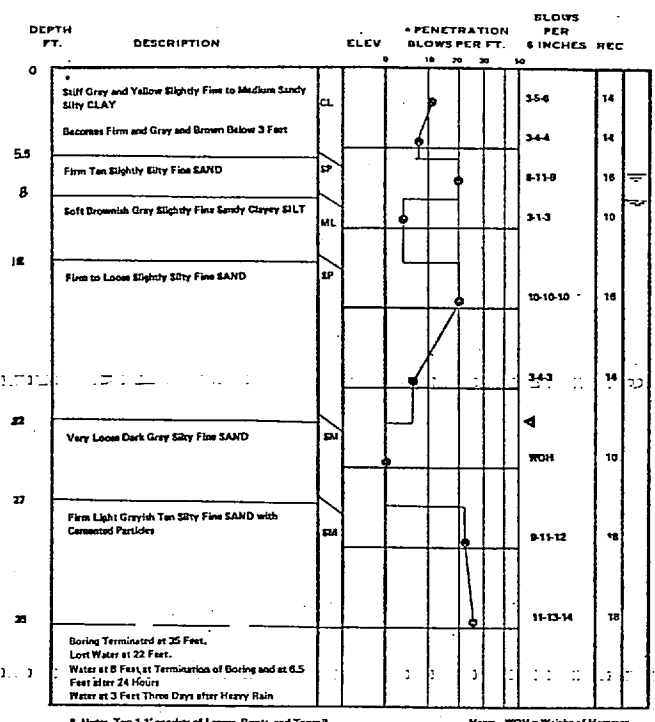
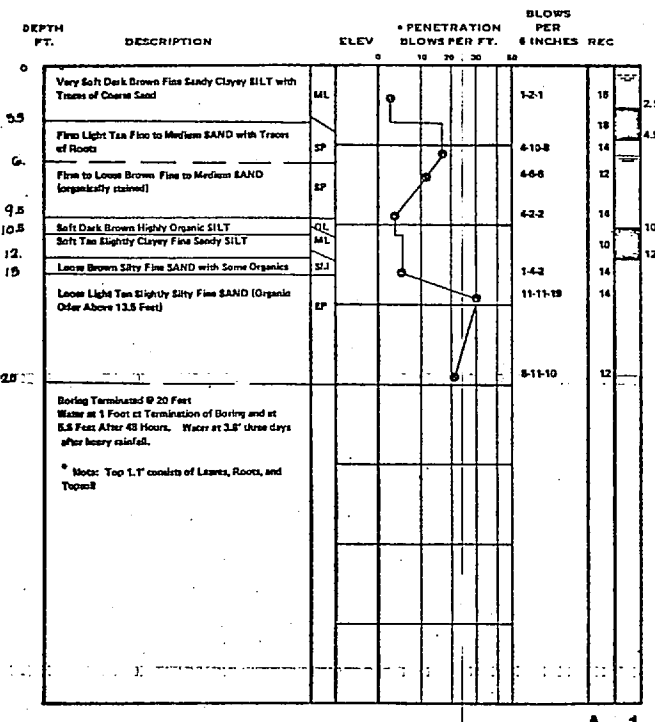
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2

3

4



**REFERENCE SHEET FOR BORING LOGS**

**I. SYMBOLS AND EXPLANATIONS**

- UNDISTURBED SAMPLE
- 24-HOUR WATER LEVEL
- WATER LEVEL AT BORING TERMINATION
- BORING CAVED
- LOSS OF DRILLING WATER
- LOSS OF CORE
- ROCK CORE RECOVERY
- ROCK QUALITY DESIGNATION, P.O.D. #
- KNOWN STRATA CHANGE LOCATION
- UNIFIED SOIL CLASSIFICATION
- ESTIMATED STRATA CHANGE LOCATION

**II. CORRELATION OF PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY**

SANDS		SILTS AND CLAYS	
NUMBER OF BLOWS PER 6 INCHES	RELATIVE DENSITY	NUMBER OF BLOWS PER 6 INCHES	CONSISTENCY
0-3	VERY LOOSE	0-2	VERY SOFT
4-10	LOOSE	3-6	SOFT
11-20	MEDIUM	7-15	FIRM
21-30	DENSE	16-30	STIFF
31-60	VERY DENSE	31-60	VERY STIFF
61-100		61-100	HARD
101-200		201-300	VERY HARD

**III. UNIFIED SOIL CLASSIFICATION SYMBOLS**

- GP - POORLY GRADED GRAVEL
- GM - MEDIUM GRADED GRAVEL
- GC - CLAYEY GRAVEL
- GP - POORLY GRADED SAND
- GM - MEDIUM GRADED SAND
- GC - CLAYEY SAND
- ML - LOW LIQUID LIMIT SILT
- MH - HIGH LIQUID LIMIT SILT
- CL - LOW PLASTICITY INORGANIC CLAYS
- CH - HIGH PLASTICITY INORGANIC CLAYS
- OL - LOW PLASTICITY ORGANIC CLAYS AND SILTS
- OH - HIGH PLASTICITY ORGANIC CLAYS AND SILTS
- SM - SILTY SAND
- SC - CLAYEY SAND
- SP - SILTY SAND
- SC - CLAYEY SAND

**PLAN VIEW**

STANDARD OUTLINE R.P.

ADMINISTRATION BUILDING

COMBAT VEHICULAR MAINTENANCE BUILDING

RESERVE VEHICULAR MAINTENANCE BUILDING

CALLS NORTH

**LAW ENGINEERING TESTING CO.**  
1201 WYOMING ROAD, RALEIGH, NORTH CAROLINA

BRAND LOCATION PLAN

OPERATION AND MAINTENANCE FACILITY  
New River, Camp Lejeune, North Carolina

DATE: 12/17/77

SCALE: 1" = 10'

**C-3**

**J. M. PEASE ASSOCIATES**  
ARCHITECTS - ENGINEERS - PLANNERS  
CHARLOTTE NORTH CAROLINA

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
ATLANTIC DIVISION  
NAVAL STATION

SECOND NAVAL AIR WING  
OPERATIONAL AND MAINTENANCE FACILITY  
Marine Corps Aviation (Helicopter)  
New River, Camp Lejeune, North Carolina

SUBSURFACE INFORMATION

APPROVED: [Signature] DATE: 12/17/77

OFFICER IN CHARGE DATE: 12/17/77

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CONSTR. CONTR. NO. N62470-TT-B-7100

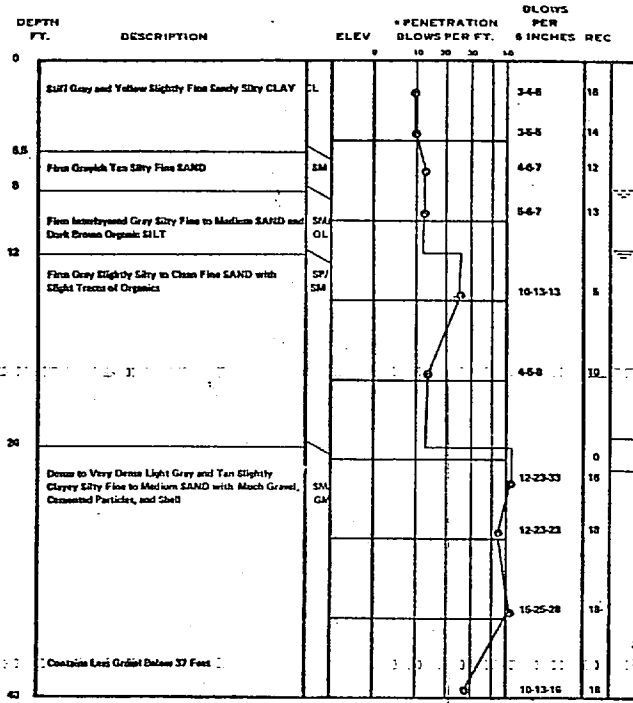
SPEC. 05-77-7100 SHEET 4 OF 56

EFD DWG. NO. 139339

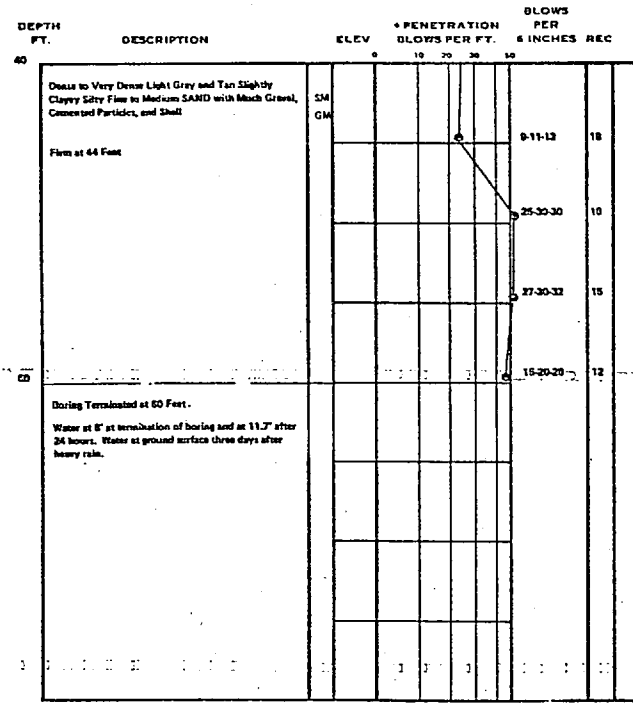
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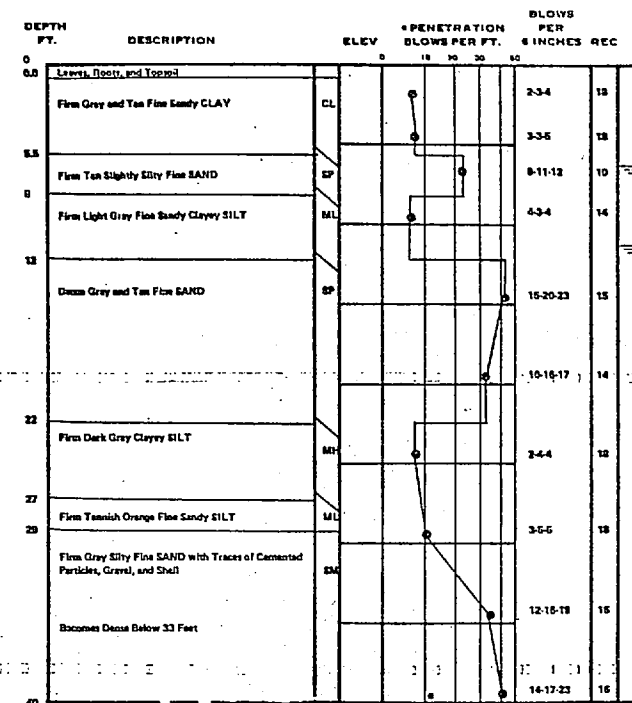




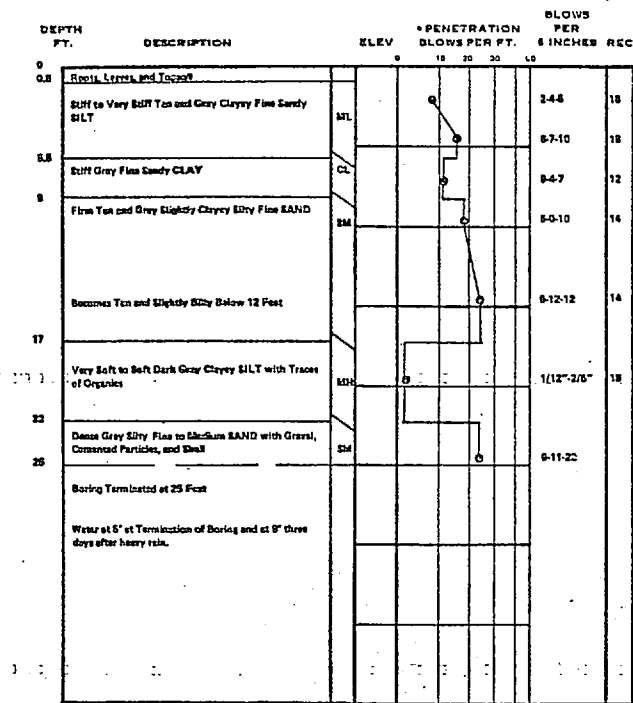
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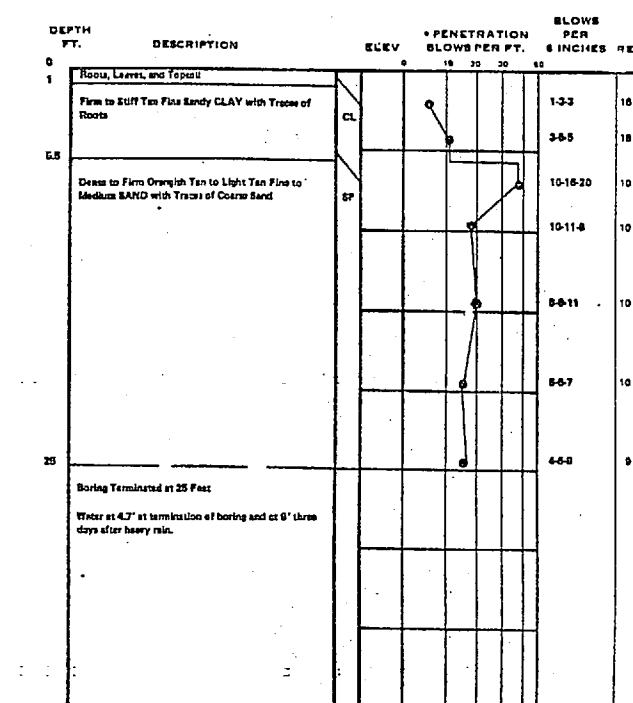
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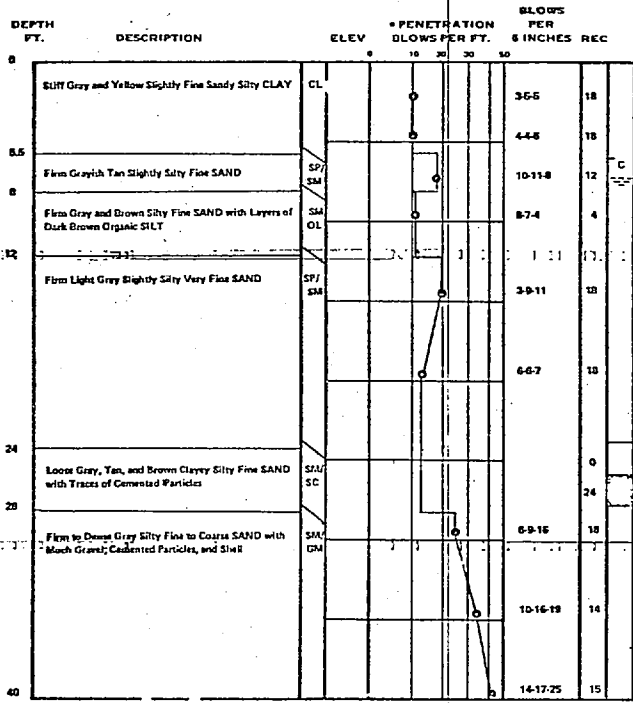
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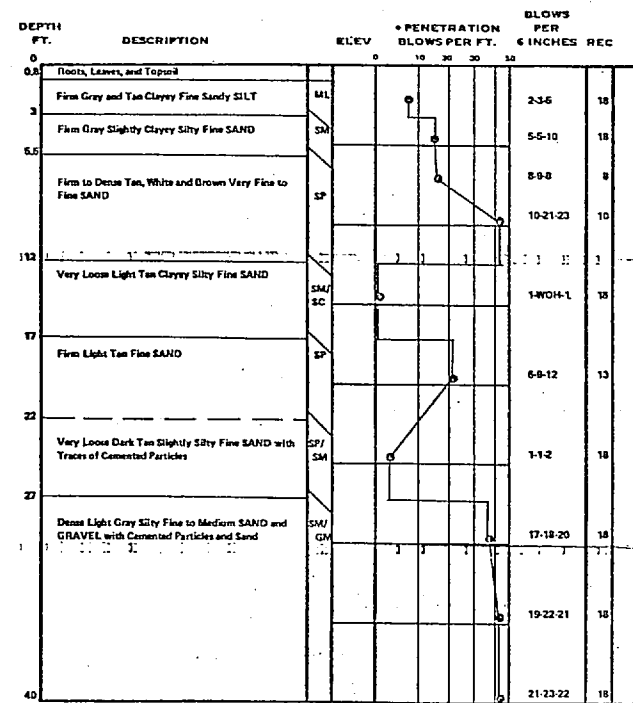
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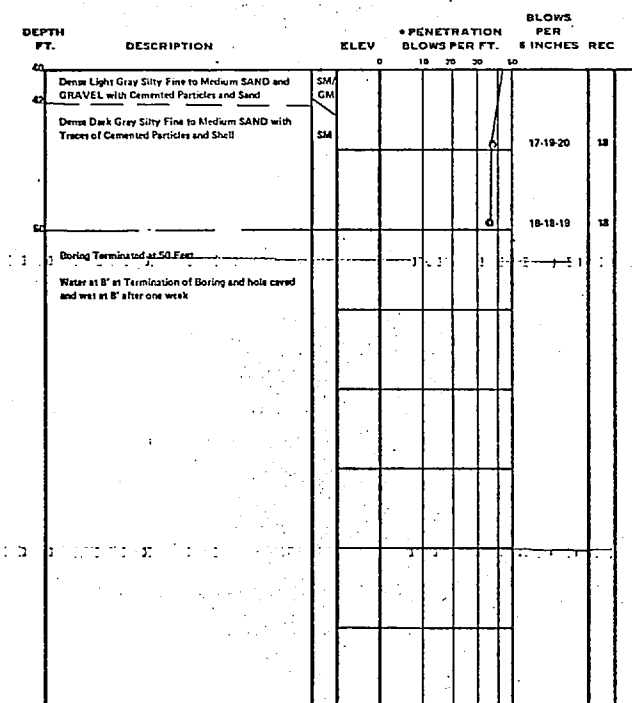
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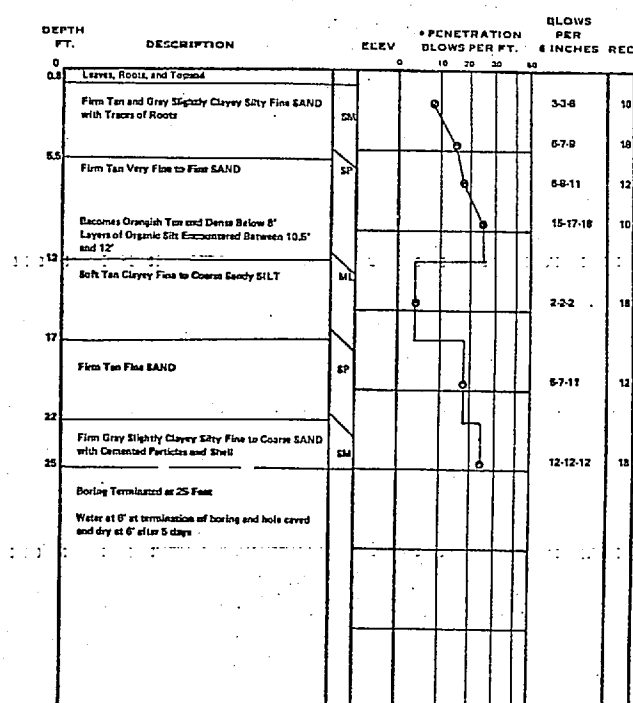
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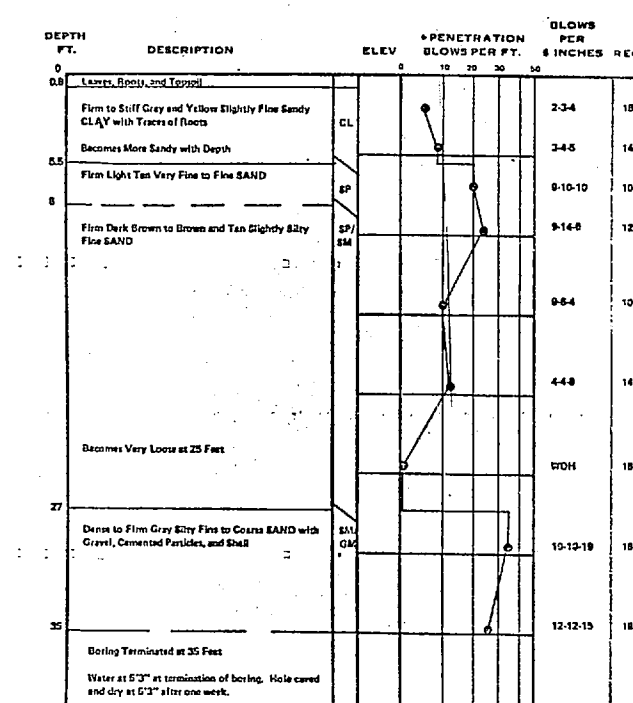
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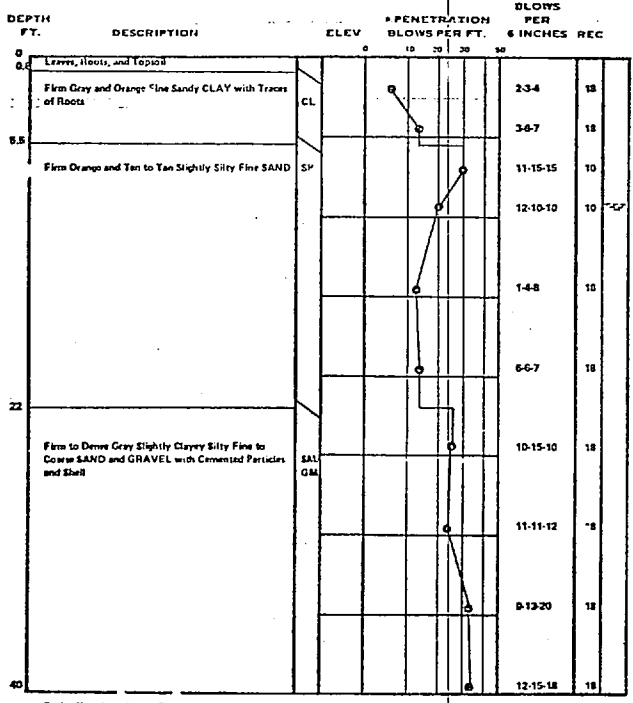
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R-2



R-3

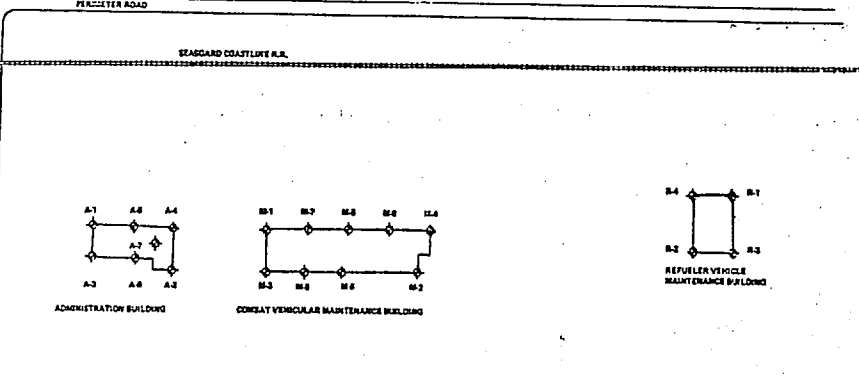


R-4

REFERENCE SHEET FOR BORING LOGS

- I. SYMBOLS AND EXPLANATIONS**
  - UNDISTURBED SAMPLE
  - 34-INCH WATER LEVEL
  - WATER LEVEL AT BORING TERMINATION
  - BORING HOLE CAVED
  - LOSS OF DRILLING WATER
  - CORE BARREL SIZE
  - ROCK CORE RECOVERY
  - ROCK QUALITY DESIGNATION, RQD, %
  - KNOWN STRATA CHANGE LOCATION
  - UNIFIED SOIL CLASSIFICATION
  - ESTIMATED STRATA CHANGE LOCATION
- II. CORRELATION OF PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY**

NUMBER OF BLOWS PER 6 INCHES	RELATIVE DENSITY	SILT AND CLAYE	
		NUMBER OF BLOWS PER 6 INCHES	CONSISTENCY
0-3	VERY LOOSE	0-4	VERY SOFT
4-10	LOOSE	5-8	SOFT
11-20	MEDIUM	9-15	FIRM
21-30	DENSE	16-25	STIFF
31-40	VERY DENSE	26-35	VERY STIFF
41-50		36-45	HARD
51-60		46-55	VERY HARD
- III. UNIFIED SOIL CLASSIFICATION SYMBOLS**
  - SP - POORLY GRADED SAND
  - SM - MEDIUM GRADED SAND
  - SW - WELL GRADED SAND
  - CL - CLAYE
  - OL - LOW PLASTICITY ORGANIC CLAYE
  - OH - HIGH PLASTICITY ORGANIC CLAYE
  - ML - LOW PLASTICITY INORGANIC CLAYE
  - MH - HIGH PLASTICITY INORGANIC CLAYE
  - SH - WELL GRADED SAND
  - SW - WELL GRADED SAND
  - SM - MEDIUM GRADED SAND
  - SP - POORLY GRADED SAND
  - SM - MEDIUM GRADED SAND
  - SW - WELL GRADED SAND
  - SP - POORLY GRADED SAND
  - SM - MEDIUM GRADED SAND
  - SW - WELL GRADED SAND
  - SP - POORLY GRADED SAND
  - SM - MEDIUM GRADED SAND
  - SW - WELL GRADED SAND



SATISFACTORY TO  
*Carach*  
DATE 12/19/77

**LAW ENGINEERING TESTING CO.**  
351 WEST 10TH STREET, SUITE 100, DENVER, CO 80202

**J. N. PEASE ASSOCIATES**  
ARCHITECTS - ENGINEERS - PLANNERS  
CHARLOTTE NORTH CAROLINA

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
ATLANTIC DIVISION  
NAVAL STATION NORFOLK VIRGINIA

SECOND AIR WING  
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New River, Camp Lejeune, North Carolina

OPERATION AND MAINTENANCE FACILITY  
CAMP LEJEUNE, NORTH CAROLINA

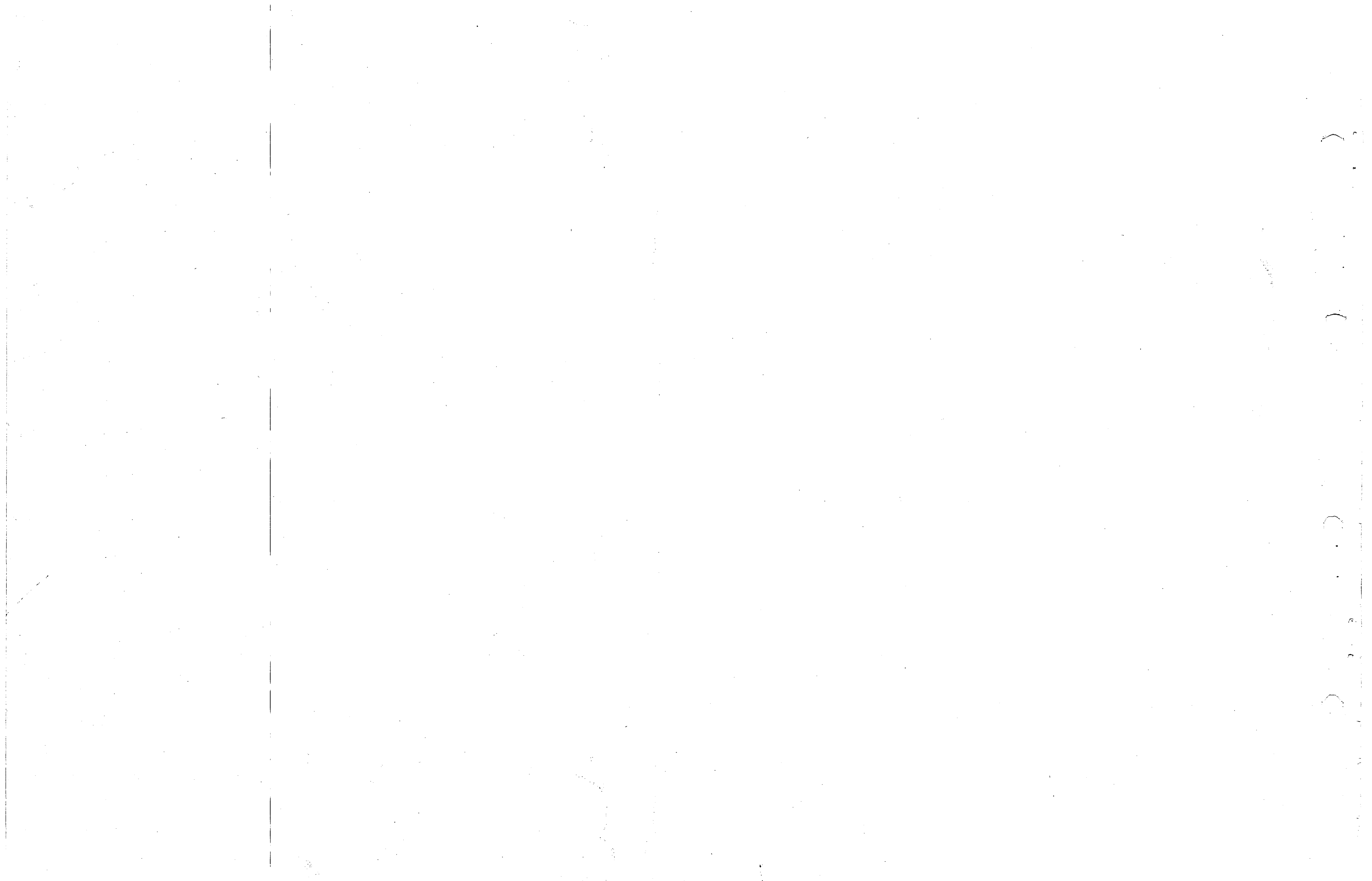
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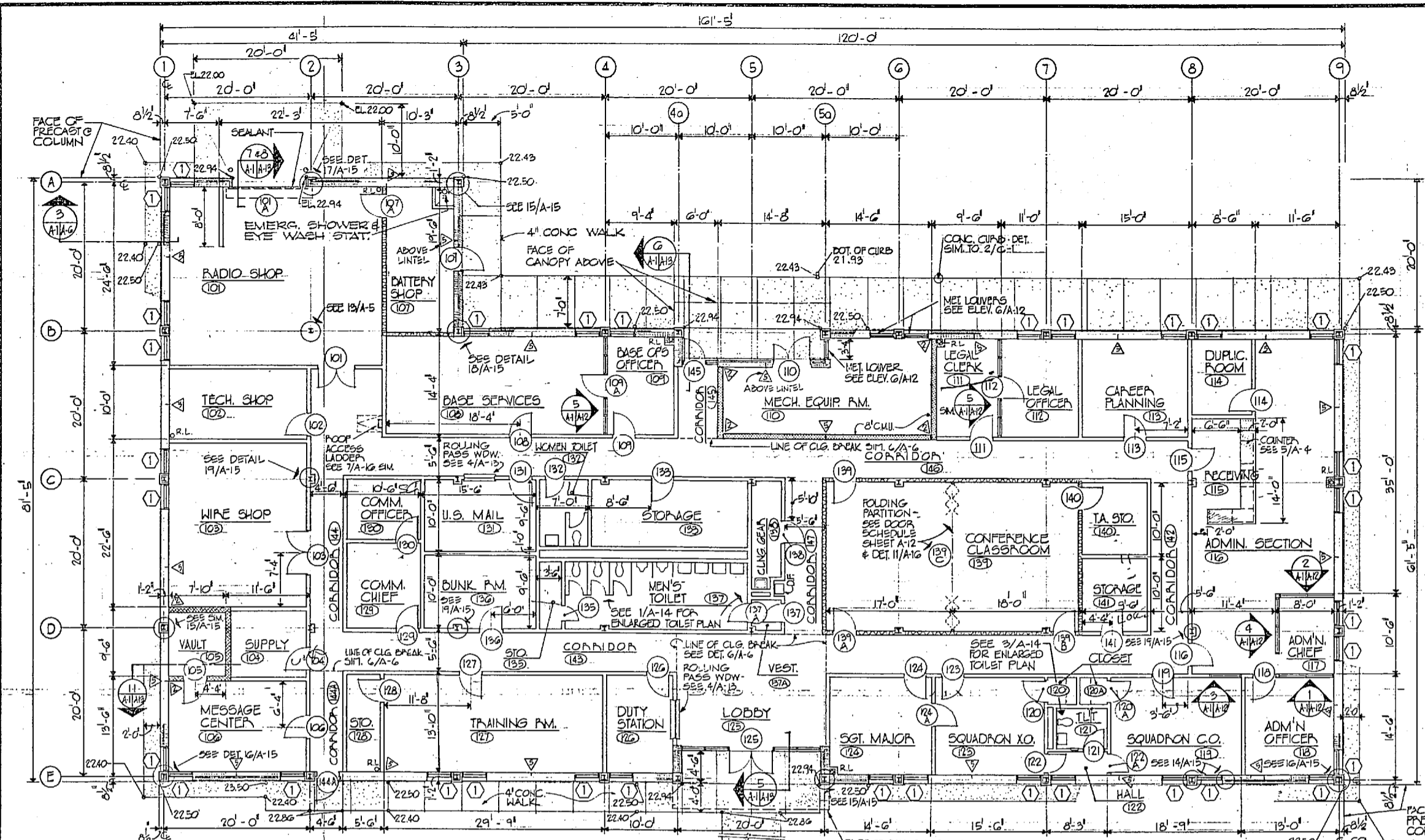
OFFICER IN CHARGE  
DATE 23 NOV 1978

FOR INFO FOR COMMANDER, NAVFAC

NAVFAC DRAWING NO. 4039340  
CONSTR. CONTR. NO. N62470-77-B-7100  
SCALE 1" = 10' 0"

SHEET 5 OF 56  
EFD DWG. NO. 139340





**LEGEND**

- 2 HOUR FIRE RATED PARTITION - 8" CMU FLOOR TO UNDERSIDE OF STEEL ROOF DECK. SEAL ALL JOINTS AND OPENINGS.
- 2 HOUR FIRE RATED PARTITION - 8" CMU WITH VERTICAL PENET BARS - SEE SECTION 11/A-13
- TYPICAL INTERIOR PARTITION - 3 3/8" STEEL STUDS FLOOR TO UNDERSIDE OF STEEL ROOF DECK WITH 5/8" GYP WALL DD ON EACH SIDE. TERMINATE GYP WALL DD 4" ABOVE CEILING.
- PARTITION WITH 3 3/8" STEEL STUDS AND 5/8" GYP WALL DD ON EACH SIDE AND SOUND INSULATION PLANKET INFILL. CARRY ENTIRE PARTITION TO UNDERSIDE OF STEEL ROOF DECK. SEAL ALL JOINTS AND OPENINGS.
- WINDOW TYPE - SEE SHEET A-8 FOR ELEVATION 4 A-12 FOR DETAILS
- CONTROL JOINT DETAIL NO. SEE SHI. A-10



NOTE: ALL 1 1/2" LABEL DOORS & FRAMES SHALL HAVE A 1 1/2 HOUR FIRE RATING

**FINISH SCHEDULE (ADMINISTRATION FACILITY)**

ROOM NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	CLG HT.	REMARKS
101	RADIO SHOP	1	IF	IF	24"	9'-1 3/8"	
102	TECH. SHOP	1	IF	IF	24"	9'-1 3/8"	
103	WAREHOUSE	1	IF	IF	24"	9'-1 3/8"	
104	SUPPLY	1	IF	IF	24"	9'-1 3/8"	
105	VAULT	1	IF	IF	24"	9'-1 3/8"	
106	MESSAGE CENTER	1	IF	IF	24"	9'-1 3/8"	
107	BATTERY SHOP	1	IF	IF	24"	9'-1 3/8"	
108	BASE SERVICES	1	IF	IF	24"	9'-1 3/8"	
109	BASE OPS. OFFICE	1	IF	IF	24"	9'-1 3/8"	
110	MECH. EQUIPMENT ROOM	1	IF	IF	24"	9'-1 3/8"	
111	LEGAL CLERK & WAITING	1	IF	IF	24"	9'-1 3/8"	
112	LEGAL OFFICER	1	IF	IF	24"	9'-1 3/8"	
113	CAREER PLANNER	1	IF	IF	24"	9'-1 3/8"	
114	Duplicating Room	1	IF	IF	24"	9'-1 3/8"	
115	RECEIVING	1	IF	IF	24"	9'-1 3/8"	
116	ADMINISTRATION SECTION	1	IF	IF	24"	9'-1 3/8"	
117	ADMINISTRATION CHIEF	1	IF	IF	24"	9'-1 3/8"	
118	ADMINISTRATION OFFICER	1	IF	IF	24"	9'-1 3/8"	
119	SQUADRON C.O.	1	IF	IF	24"	9'-1 3/8"	
120	STORAGE	1	IF	IF	24"	9'-1 3/8"	
121	TOILET	1	IF	IF	24"	9'-1 3/8"	
122	HALL	1	IF	IF	24"	9'-1 3/8"	
123	SQUADRON X.O.	1	IF	IF	24"	9'-1 3/8"	
124	SGT. MAJOR	1	IF	IF	24"	9'-1 3/8"	
125	LOBBY WAITING	1	IF	IF	24"	9'-1 3/8"	
126	DUTY STATION	1	IF	IF	24"	9'-1 3/8"	
127	TRAINING	1	IF	IF	24"	9'-1 3/8"	
128	STORAGE	1	IF	IF	24"	9'-1 3/8"	
129	COMMUNICATION CHIEF	1	IF	IF	24"	9'-1 3/8"	
130	COMMUNICATION OFFICER	1	IF	IF	24"	9'-1 3/8"	
131	U.S. MAIL	1	IF	IF	24"	9'-1 3/8"	
132	WOMEN'S TOILET	1	IF	IF	24"	9'-1 3/8"	
133	STORAGE	1	IF	IF	24"	9'-1 3/8"	
134	OFFICERS' QUARTERS	1	IF	IF	24"	9'-1 3/8"	
135	STORAGE	1	IF	IF	24"	9'-1 3/8"	
136	BUNK ROOM	1	IF	IF	24"	9'-1 3/8"	
137	MEN'S TOILET	1	IF	IF	24"	9'-1 3/8"	
138	CLEANING GEAR	1	IF	IF	24"	9'-1 3/8"	
139	CONFERENCE CLASSROOM	1	IF	IF	24"	9'-1 3/8"	
140	T.A. STORAGE	1	IF	IF	24"	9'-1 3/8"	
141	STORAGE	1	IF	IF	24"	9'-1 3/8"	
142	CONNDOR	1	IF	IF	24"	9'-1 3/8"	
143	CONNDOR	1	IF	IF	24"	9'-1 3/8"	
144	CONNDOR	1	IF	IF	24"	9'-1 3/8"	
145	CONNDOR	1	IF	IF	24"	9'-1 3/8"	
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150	CONNDOR	1	IF	IF	24"	9'-1 3/8"	
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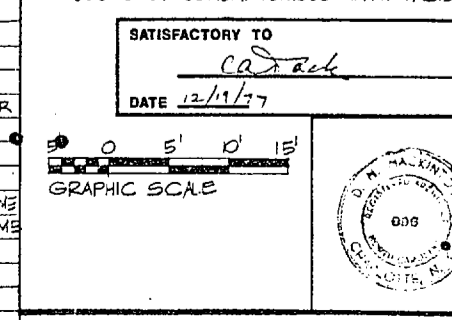
**FLOOR PLAN (ADMINISTRATION FACILITY)**

**DOOR SCHEDULE**

DOOR NO.	DOOR SIZE AND TYPE	DUCK TYPE	LINTL TYPE	THRESH TYPE	LOWER	DOOR SWING	HOWRS	REMARKS
A101	PR 2670C III	D-4	D-4	T-1	RHR	HW-10		
A101A	10091F	*	*	*	MO.OPER	HW-1		
A102	3070C	II	D-4	D-4	LH	HW-11		
A103	PR3070C III	D-4	D-4	T-1	RHR	HW-12		
A104	3070C	II	D-4	D-4	LH	HW-11		
A105	3070C*	D-1	L-1	T-1	LHR	HW-13		
A106	3070C	II	D-4	D-4	LH	HW-11		
A107	3070C	II	D-2	L-2	T-4*	LHR	HW-2	
A107A	3070C	III	D-4	D-4	T-1	LHR	HW-14	
A108	3070C	II	D-4	D-4	RH	HW-11		
A109	3070C	II	D-4	D-4	LH	HW-13		
A109A	3070B	I	*	*	LHR	HW-11		
A110	PR2070, 3070C III	D-2	T-4*	T-4*	LHR	HW-5		
A111	3070C	II	D-4	D-4	RH	HW-13		
A112	3070B	I	*	*	RH	HW-13		
A113	3070C	II	D-4	D-4	LH	HW-11		
A114	3070C	II	D-4	D-4	LH	HW-11		
A115	3070C	II	D-4	D-4	LH	HW-11		
A116	3070C	II	D-4	D-4	RH	HW-11		
A118	3070B	I	D-4*	D-4*	RH	HW-13		
A119	3070C	II	D-4	D-4	LH	HW-13		
A120	3070C	II	D-4	D-4	LHR	HW-11		
A120A	3070C	II	D-4	D-4	RHR	HW-11		
A121	3070C	III	D-5	D-5	T-5*	RH	HW-15	
A122	3070C	II	D-4*	D-4*	UC 3/2	LH	HW-11	
A122A	3070C	II	D-4*	D-4*	UC 3/2	LHR	HW-14	
A123	3070C	II	D-4	D-4	RH	HW-13		
A124	3070C	II	D-4	D-4	LH	HW-13		
A124A	3070C	II	D-4	D-4	RH	HW-11		
A125	PR3070A	III	*	*	T-2	RHR	HW-1	
A126	3070C	II	D-4	D-4	LH	HW-11		
A127	3070C	II	D-4	D-4	LH	HW-11		
A128	3070C	II	D-4	D-4	RH	HW-11		
A129	3070C	II	D-4	D-4	RH	HW-13		
A130	3070C	II	D-4	D-4	RH	HW-13		
A131	3070C	II	D-4	D-4	RH	HW-13		
A132	3070C	III	D-5	D-5	T-5*	UC 3/2	RH	HW-15
A133	3070C	II	D-5	D-5	T-5*	UC 3/2	RHR	HW-15
A134	3070C	II	D-4	D-4	RH	HW-16		
A134A	3070C	II	D-4	D-4	RH	HW-16		
A135	2670C	II	D-5	D-5	UC 3/2	LHR	HW-10	
A136	3070C	II	D-4	D-4	RH	HW-11		
A137	3070C	II	D-4	D-4	UC 3/2	LH	HW-16	
A137A	3070C	II	D-5	D-5	T-5*	LH	HW-19	

NOTE: THE LETTER 'A' AT FRONT OF DOOR NO AT DOOR SCHEDULE INDICATES DOORS OF ADMINISTRATION FACILITY AND LETTER 'C' DOORS OF COMBAT VEHICLE MAINT. FACILITY.

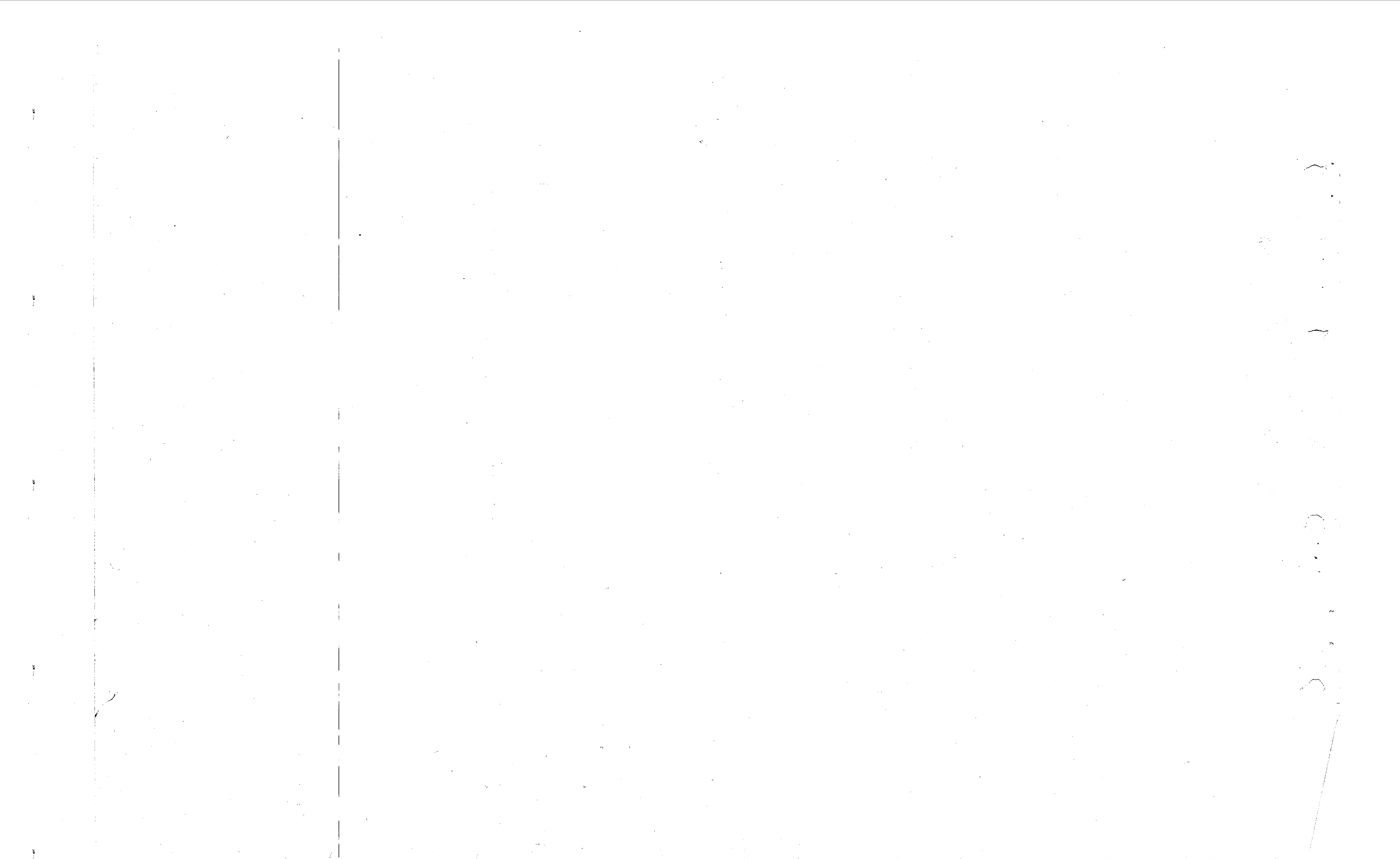
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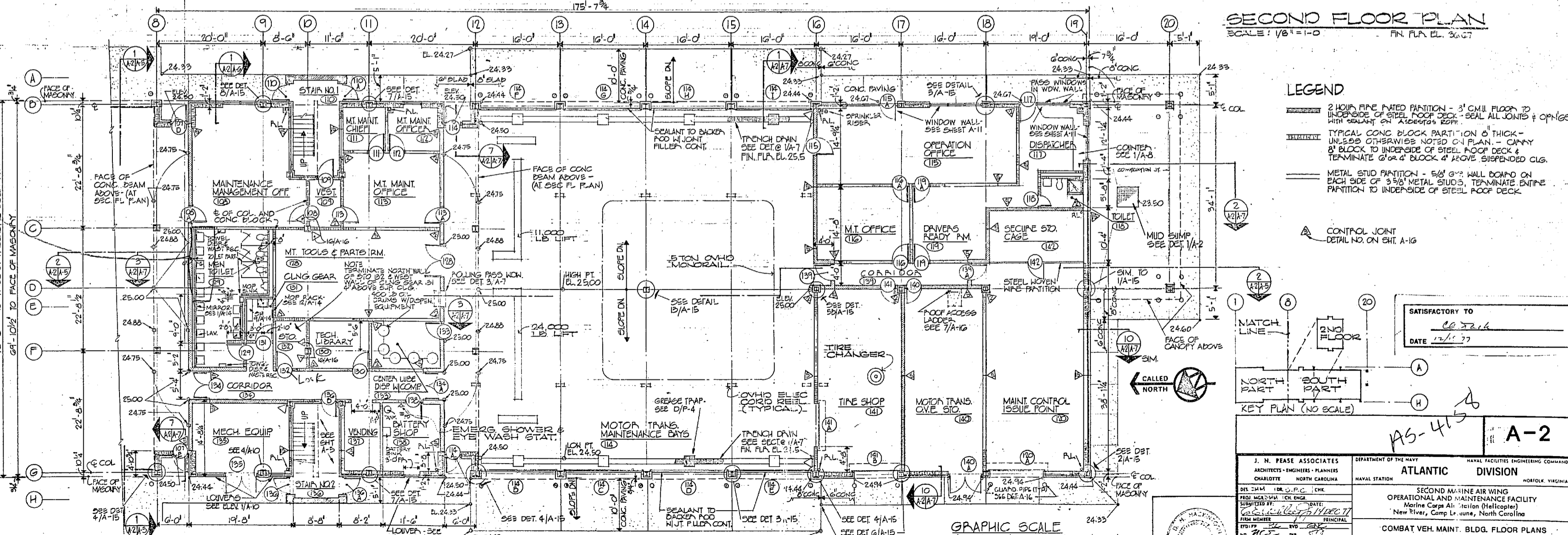
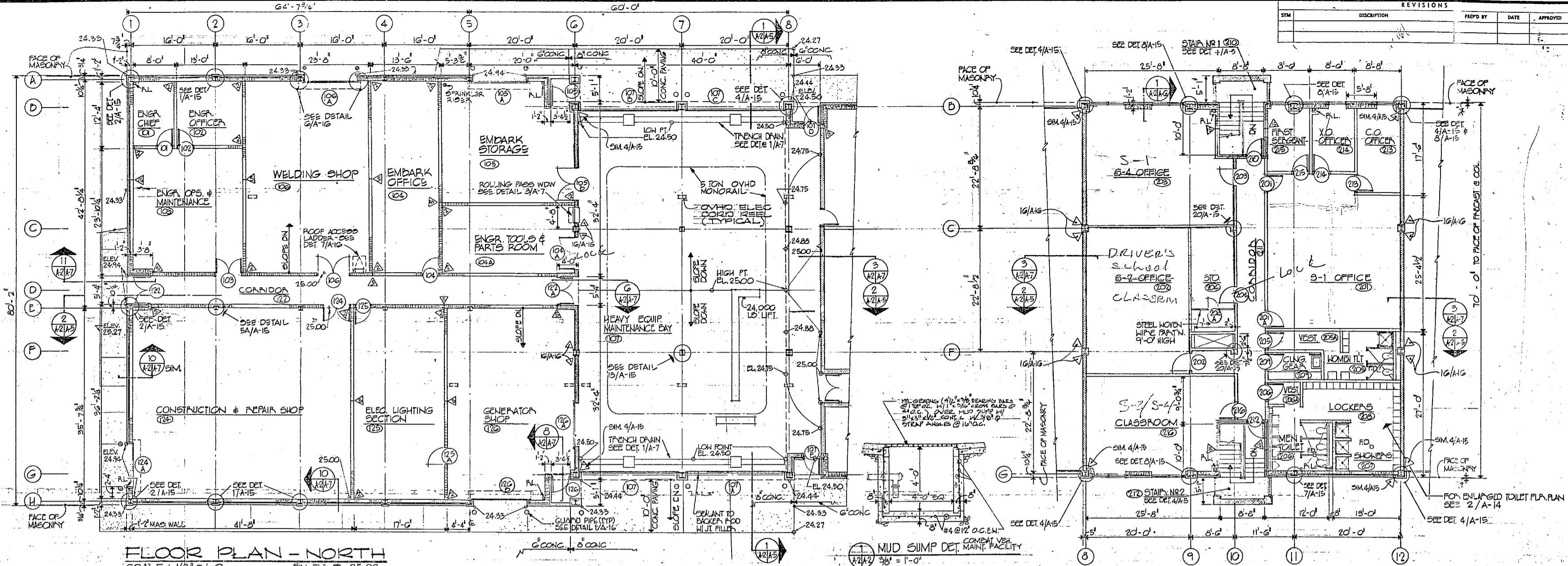
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AS-4157

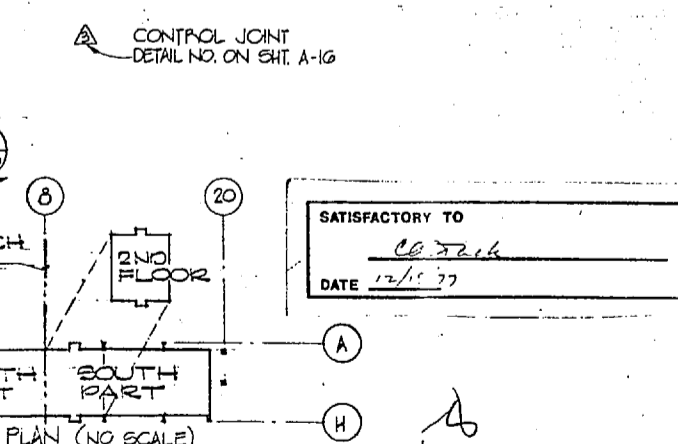
<b>J. N. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE - NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL FACILITIES ENGINEERING COMMAND NAVAL STATION NORFOLK, VIRGINIA	
SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina			
DESIGNED BY: [Signature] CHECKED BY: [Signature] TITLE: [Signature] DATE: [Signature]	ADMIN. FLOOR PLAN & SCHEDULES SHEET NO. 80091 CONSTR. CONTRACT NO. N6240-TT-B-7100 SHEET 6 OF 36		



REV	DESCRIPTION	DATE	APPROVED

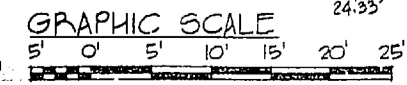


- LEGEND**
- 2 HOUR FIRE RATED PARTITION - 3" CMU FLOOR TO UNDERSIDE OF STEEL ROOF DECK - SEAL ALL JOINTS & OPENINGS WITH SEALANT OR ASBESTOS REFR.
  - TYPICAL CONC. BLOCK PARTITION 8" THICK - UNLESS OTHERWISE NOTED ON PLAN - CARRY 8" BLOCK TO UNDERSIDE OF STEEL ROOF DECK & TERMINATE @ OR 4" BLOCK @ ABOVE SUSPENDED CLG.
  - METAL STUD PARTITION - 5/8" G-2 WALL BOARDS ON EACH SIDE OF 3/8" METAL STUDS, TERMINATE ENTIRE PARTITION TO UNDERSIDE OF STEEL ROOF DECK.
  - CONTROL JOINT - DETAIL NO. ON SHEET A-16



SATISFACTORY TO CG 32.16 DATE 12/1/77	
MATCH LINE NORTH PART SOUTH PART KEY PLAN (NO SCALE)	
<b>AS-415</b>	
<b>A-2</b>	
J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA	DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION NORFOLK, VIRGINIA
DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]	SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina
APPROVED BY: [Signature] DATE:	COMBAT VEH. MAINT. BLDG. FLOOR PLANS SIZE: CODE SHEET NO. 80091 NAVAC DRAWING NO. 4039242 CONSTR. CONTR. NO. N62470-TT-D-1100
PROJECT NO. 4039242	SPEC. 05-TT-1100 SHEET 7 OF 56 EFD DWG. NO. 129342

MAKE 4 Studies



11. 1. 1900

FINISH SCHEDULE (REFUELER MAINTENANCE FACILITY)						
ROOM NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
101	REFUELER MAINT BAYS					
102	MECH. EQUIPMENT					
103	FILTER STORAGE					
104	LOCKERS					
105	TOILET					
106	CLEANING GEAR					
107	CENTRAL LUBE DEP W/COMPRESSOR					
108	VENDING					
109	CORRIDOR					
110	LUBE BAY					
111	TOOL & PARTS ROOM					
112	ADMINISTRATION					

DOOR SCHEDULE (REFUELER MAINTENANCE FACILITY)							
DOOR NO.	DOOR SIZE	DOOR TYPE	BUCK TYPE	LINTEL TYPE	THRESH TYPE	LOUVER	REMARKS
RI01	3070*	II	D-2	L-2	T-4*		
RI02	PR3070,2070	II	G	D-2	L-2	T-4*	*SEE DETAIL 12/A-16 *B LABEL DOOR & FRAME
RI03	3070	II	C	D-2	L-2	T-4*	*SEE DETAIL 12/A-16
RI05	3070	II	C	D-1	L-1	T-4*	*SEE DETAIL 12/A-16
RI06	3070	III	C	B-1,B-3	L-1	T-4*	*SEE DETAIL 12/A-16
RI07	3070	II	C	D-2	L-2	T-4*	*SEE DETAIL 12/A-16
RI10	3070	II	C	D-2	L-2	T-4*	*SEE DETAIL 12/A-16
RI11	3070	II	C	B-1,B-3	L-1	T-4*	*SEE DETAIL 12/A-16
RI12	3070*	II	C	D-2	L-2	T-3	*B LABEL DOOR & FRAME
RI12A	3070	II	C	D-2	L-2	T-3	

FINISH SCHEDULE (COMBAT VEHICLE MAINTENANCE FACILITY)						
ROOM NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	REMARKS
101	ENGINEER CHIEF					
102	ENGINEER OFFICER					
103	ENGR OPS & MAINTENANCE					
104	EMBARK OFFICE					
105	EMBARK STORAGE					
106	WELDING SHOP					
107	HEAVY EQUIP MAINT BAYS					
108	MAINT. MANAGEMENT OFFICE					
109	VESTIBULE					
110	STAIR NO.1					
111	M.T. MAINTENANCE CHIEF					
112	M.T. MAINTENANCE OFFICER					
113	M.T. MAINTENANCE OFFICER					
114	MOTOR TRANS MAINT BAYS					
115	OPERATION OFFICE					
116	M.T. OFFICE					
117	DISPATCHER					
118	TOILET					
119	DRIVERS READY ROOM					
120	MAINT CONTROL ISSUE POINT					
121	WASH PACK					VOID
122	CORRIDOR					
123	LUBE STORAGE SHED (OPEN)					VOID
124	CONTR. & REPAIR SECTION					
125	ELECTRICAL LIGHTING SECTION					
126	GENERATOR SHOP					
127	ENGR. TOOL & PARTS ROOM					
128	M.T. TOOL & PARTS ROOM					
129	MEN TOILET					
130	TECH. LIBRARY					
131	CLEANING GEAR					
132	STORAGE					
133	CENTRAL LUBE DEP W/COMPRESSOR					
134	CORRIDOR					
135	MECH. EQUIPMENT					
136	STAIR NO. 2					
137	VENDING					
138	BATTERY SHOP					
139	CORRIDOR					
140	MOTOR TRANS OVE. STORAGE					
141	TIME SHOP					
142	SECURE STORAGE CAGE					
201	S-1 OFFICE					
202	S-2 OFFICE					
203	S-4 OFFICE					
204	STORAGE					
205	WOMEN'S TOILET					
206	MEN'S TOILET					
207	SHOWERS					
208	LOCKER ROOM					
209	CLEANING GEAR					
210	STAIR NO. 1					
211	CORRIDOR					
212	STAIR NO. 2					
213	C.O. OFFICE					
214	X.O. OFFICE					
215	FIRST AID					
216	CLASSROOM					
205A	VESTIBULE					
206A	VESTIBULE					

REVISIONS			
NO.	DESCRIPTION	PREP BY	DATE

**COLOR SCHEDULE**

NOTE: TRADE NAMES ARE USED FOR COLOR SELECTIONS ONLY.

**EXTERIOR COLORS**

MASONRY - RED CLAY BRICK  
 PRECAST CONCRETE - CEMENT GRAY  
 GLASS WINDOWS - PPG - "SOLARGRAY"  
 SPANDREL PANELS - PORCELAIN ENAMEL - MARINE CORPS GOLD  
 WINDOW WALL FRAMES - NATURAL ALUMINUM  
 CAP FLASHING AND SOFFIT PANELS - NATURAL ALUMINUM  
 HOLLOW METAL SWINGING DOORS, TRANSOM PANELS, AND FRAMES - EXTERIOR ENAMEL - MARINE CORPS RED  
 LOUVERS - NATURAL ALUMINUM  
 OVERHEAD DOORS AND ROLL-UP SHUTTERS - NATURAL ALUMINUM  
 SEALANT - TRESCO - "DYMERIC" - ALUMINUM/STONE  
 GUARD PIPES - SAFETY YELLOW

**INTERIOR COLORS**

**FLOOR:**

1F - VINYL ASBESTOS TILE - ARMSTRONG - EXCELON TILE - IMPERIAL MODERN - "51855 MEDIUM CORK"  
 2F - CERAMIC MOSAIC TILE - AMERICAN OLEAN - "AMBER 3"

**BASE:**

1B - RUBBER - MUSSON - BLACK  
 2B - GLAZED WALL TILE - AMERICAN OLEAN - "51 JONQUIL"  
 3B - GLAZED MASONRY BLOCK "SPECTRA-GLAZE" - DEEP FROST GRAY

**WALL:**

1W - PAINT - PITTSBURGH - "P2274 WHISPER GOLD"  
 2W - PAINT - PITTSBURGH - "P2273 GOLDEN SKY"  
 3W - PAINT - PITTSBURGH - "D4276 TIGER'S EYE"  
 4W - GLAZED WALL TILE - AMERICAN OLEAN - "51 JONQUIL"  
 5W - SPRAY GLAZE - PITT-GLAZE - "P-113 WHITE OPAL"

**CEILING:**

1C - SUSPENDED CEILING GRID (STEEL) - EASTERN - BLACK  
 2C - PAINT - PITTSBURGH - "P2274 WHISPER GOLD"  
 3C - SPRAY GLAZE - PITT-GLAZE - "WHITE OPAL"

**DOOR:**

1D - PAINT - PITTSBURGH - "D4301 DAZZLE YELLOW"  
 2D - PAINT - PITTSBURGH - "H7155 VALENTINE"  
 3D - PAINT - PITTSBURGH - "P2273 GOLDEN SKY"  
 4D - PAINT - PITTSBURGH - "D4276 TIGER'S EYE"

**EXPOSED METAL:**

1EM - DOOR AND GLASS PARTITION FRAMES, WIRE MESH PARTITION, AND EQUIPMENT AND OVERHEAD DOOR FRAMING - PITTSBURGH - "BLACK"  
 2EM - STEEL STAIRS AND LANDING - PAINT - PITTSBURGH - "D4276 TIGER'S EYE"  
 3EM - EXPOSED OVERHEAD DECK AND STRUCTURE - PAINT - PITTSBURGH - "P2274 WHISPER GOLD"

**MILLWORK:**

1M - PAINT - PITTSBURGH - "D4276 TIGER'S EYE"

**PLASTIC LAMINATE:**

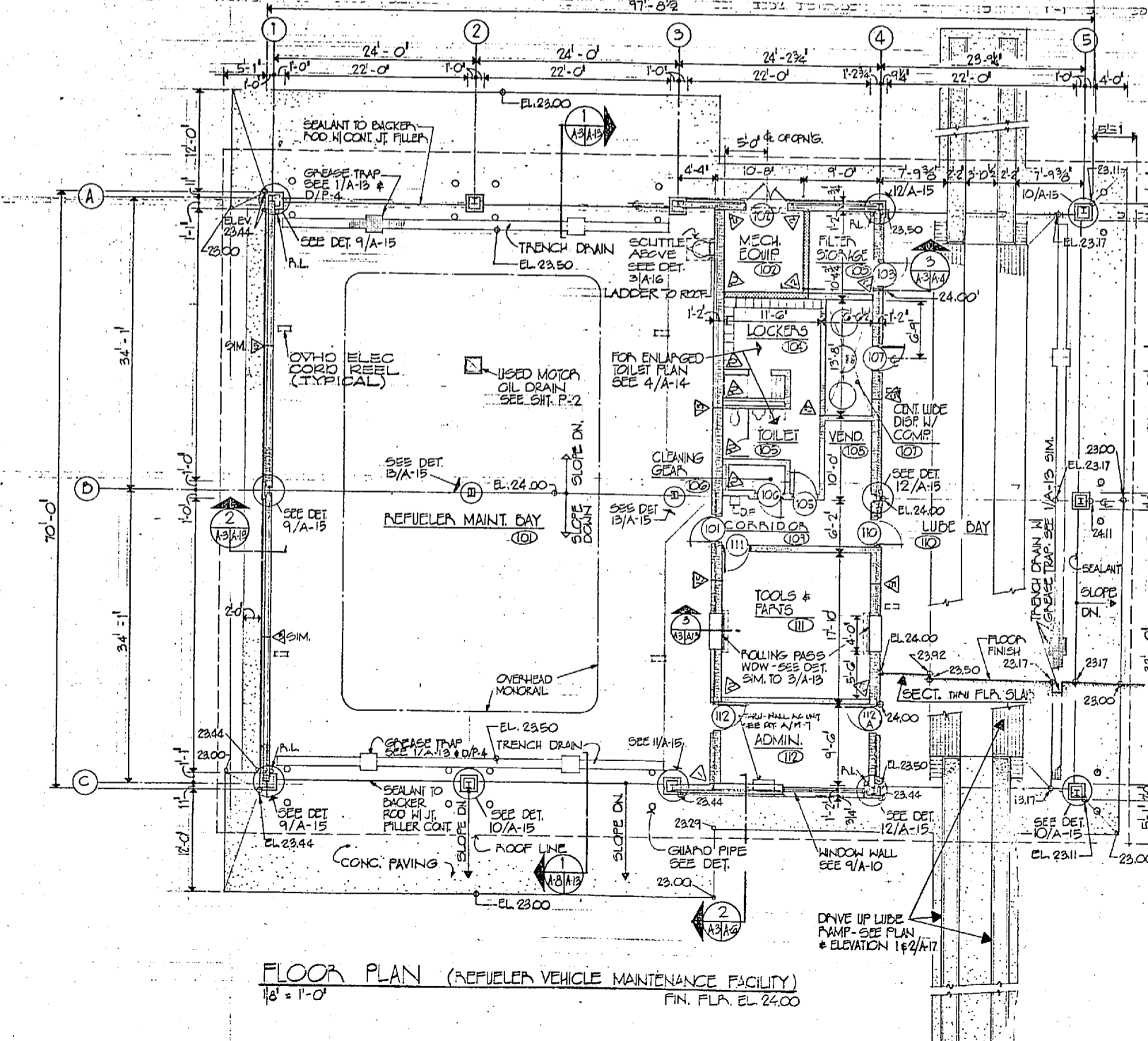
1PL - FORMICA - "AFRICAN TEAK"

**SPECIALTIES:**

1TP - TOILET PARTITIONS - SANHYMETAL - "49 RED"  
 1SC - SHOWER COMPARTMENTS - SANHYMETAL - "49 RED"  
 1L - LOCKERS - LYON - "NO. 46 SUNBURET YELLOW"  
 1CS - COUNTER SHUTTERS - NATURAL ALUMINUM  
 1EP - FOLDING PARTITION - MODERNFOLD - VINYL FABRIC FIGURED WOOD - 4301 TEAK"

**WINDOW PANEL:**

1WP - PAINT - PITTSBURGH - "D4301 DAZZLE YELLOW"



**LEGEND**

- TYPICAL CONC. BLOCK PARTITION 6" THICK UNLESS OTHERWISE NOTED ON PLAN.
- 2 HOUR FIRE RATED PARTITION - 6" C.M.U. FLOOR TO UNDERSIDE OF STEEL ROOF DECK.
- SEAL ALL JOINTS AND OPENINGS WITH SEALANT ON ASBESTOS ROPE.
- CONTROL JOINT - SEE DETAIL NO. ON SHEET.

P-5  
A112 Compulsion

**NOTE**

THE LETTER "R" AT FRONT OF DOOR NO. AT DOOR SCHEDULE INDICATES DOORS OF REFUELER MAINTENANCE FACILITY.

**GRAPHIC SCALE**  
 1/8" = 1'-0"      5' 0" 5' 10" 15' 20'

SATISFACTORY TO

A.S. Teal  
DATE 2/11/77

AS4159      A-3

J. N. PEASE ASSOCIATES  
 ARCHITECTS-ENGINEERS-PLANNERS  
 CHARLOTTE NORTH CAROLINA

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

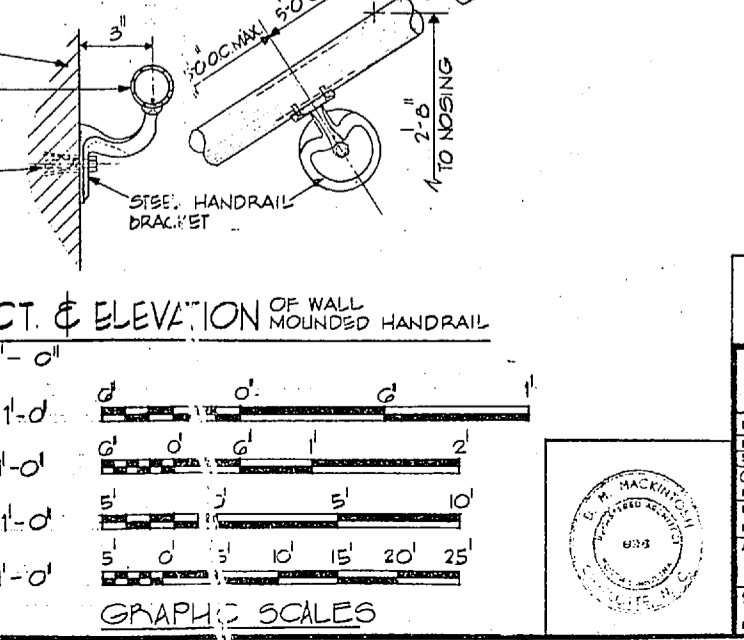
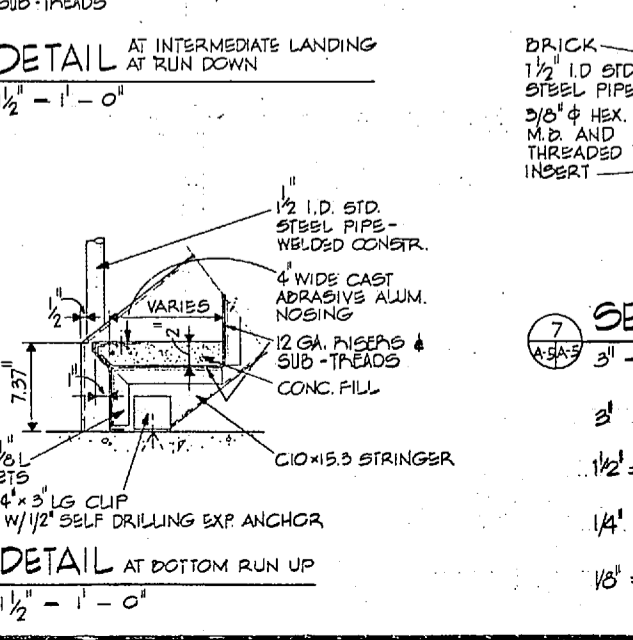
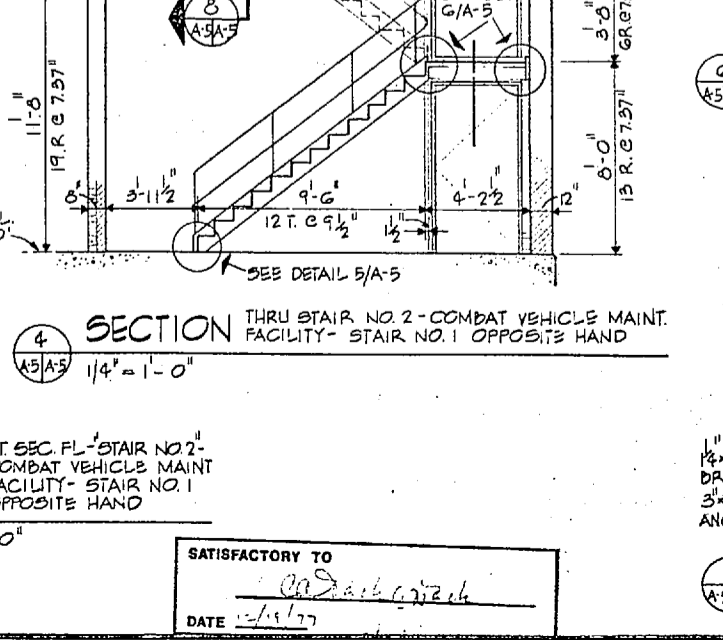
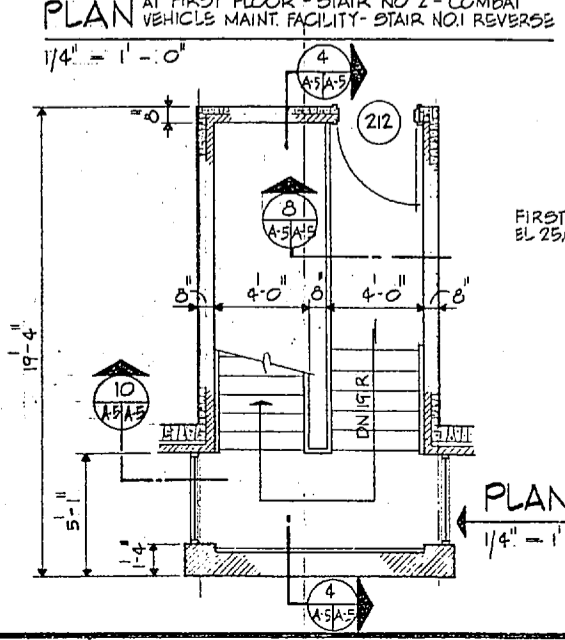
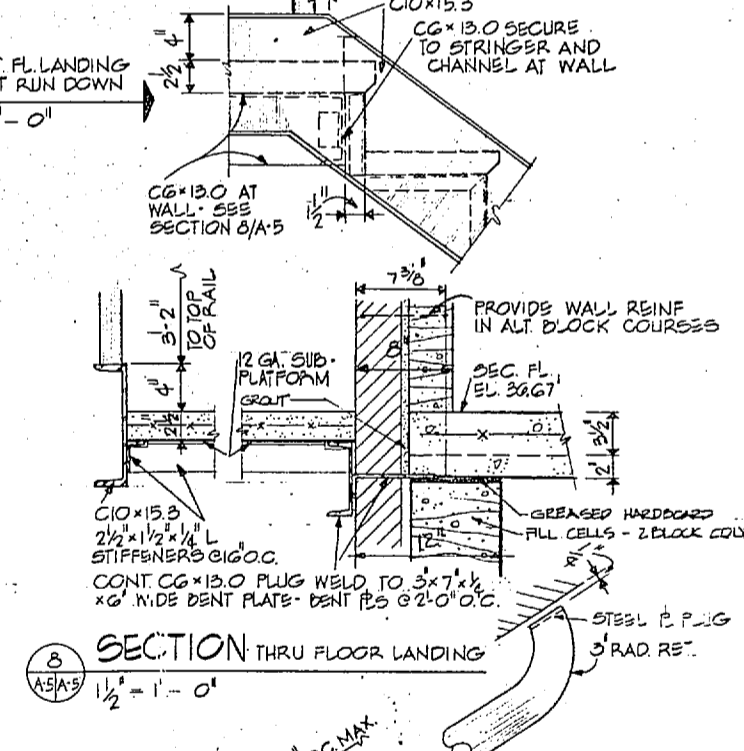
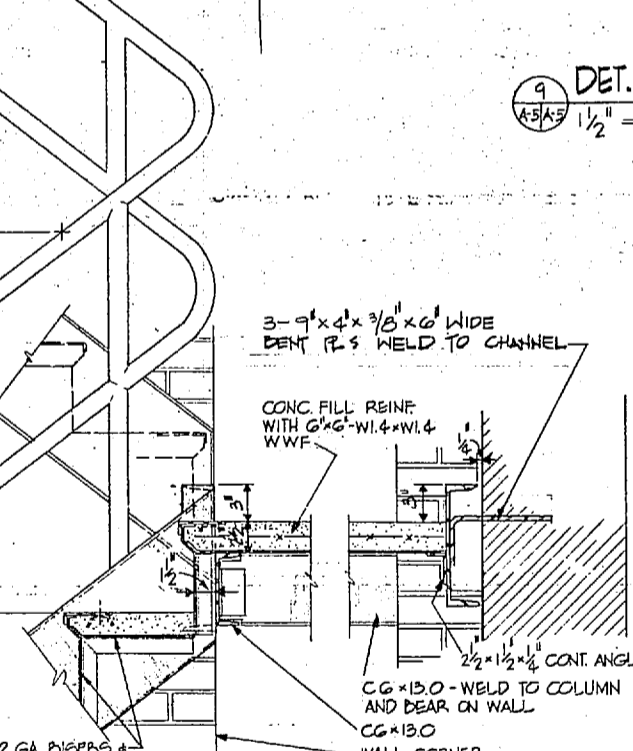
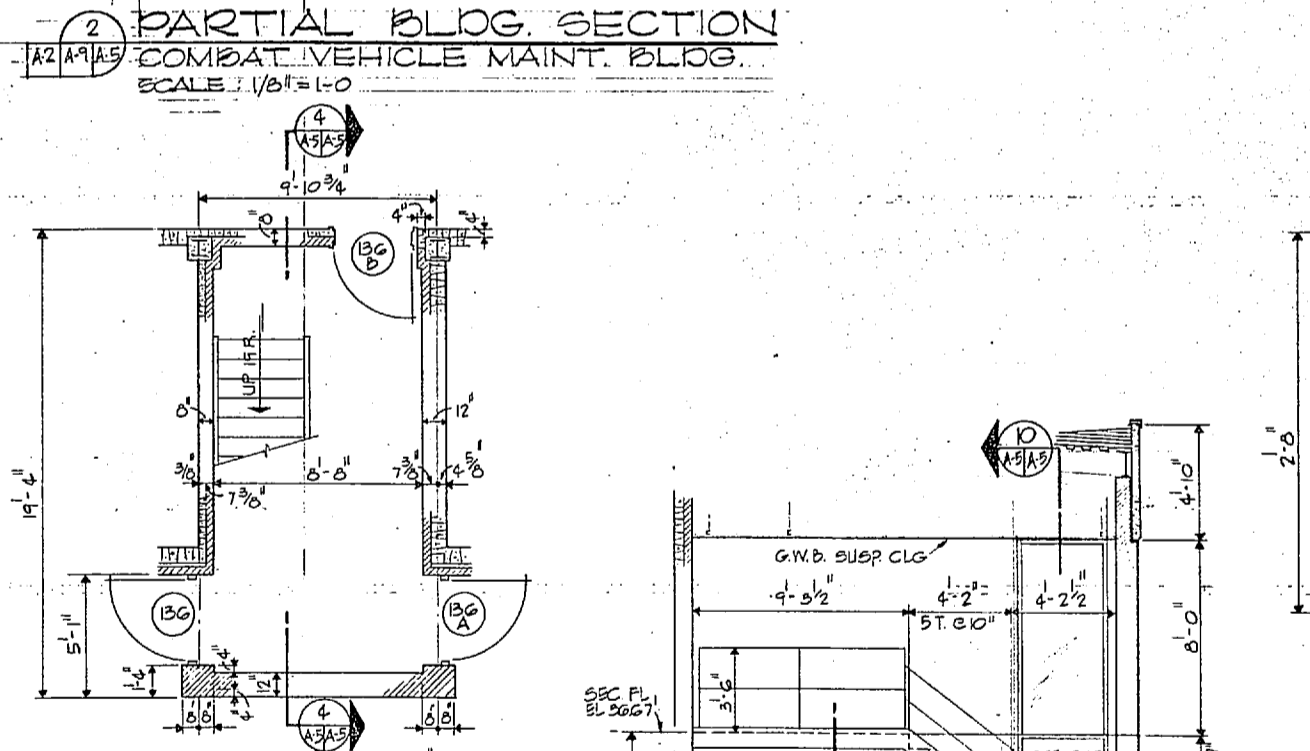
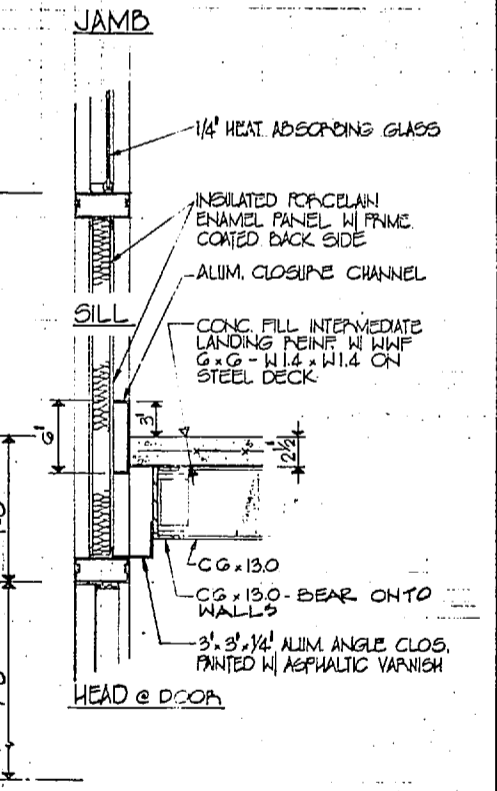
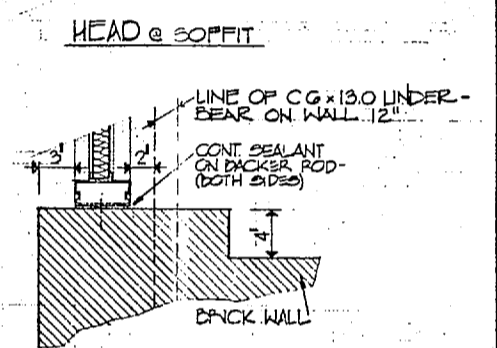
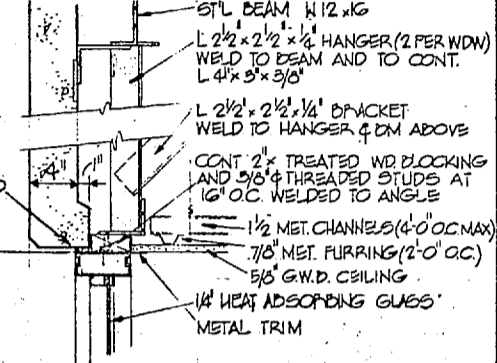
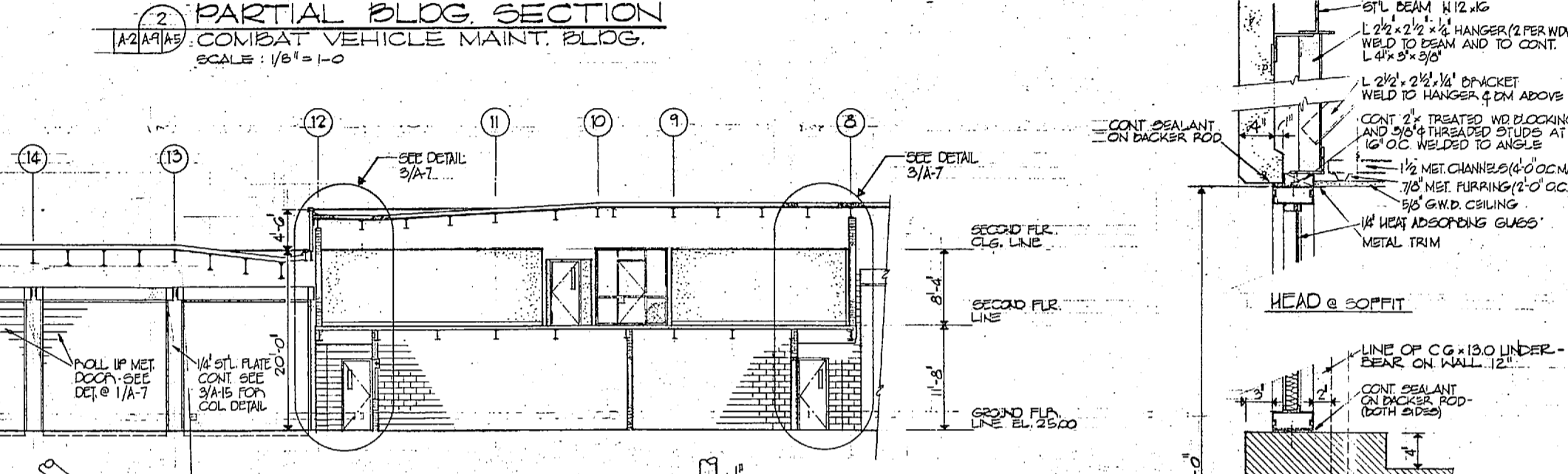
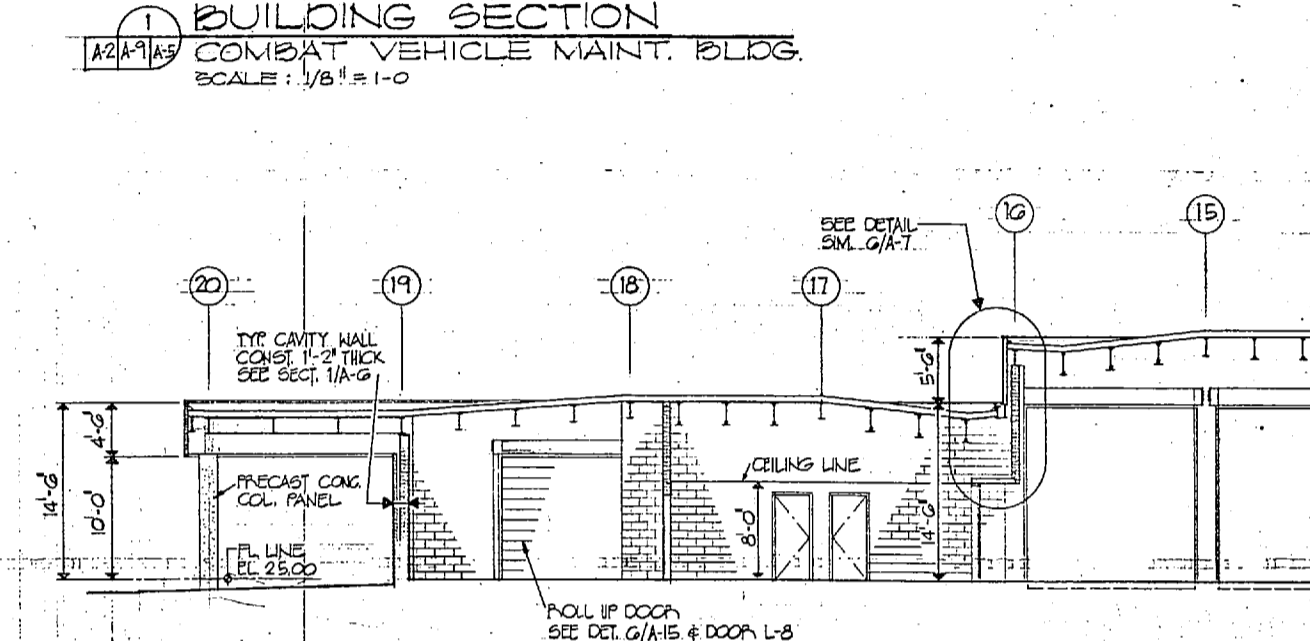
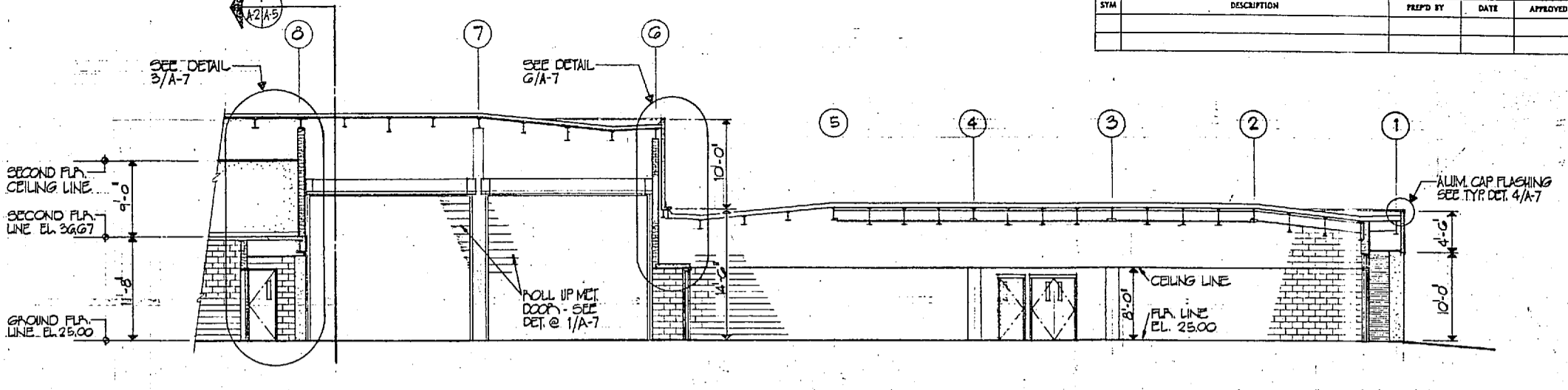
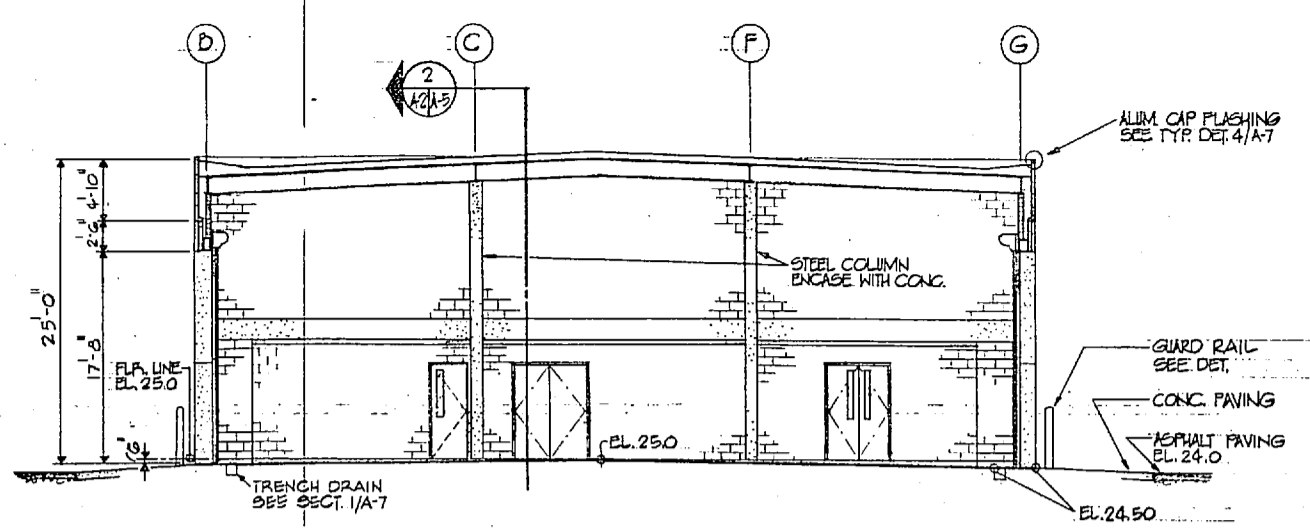
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 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: 2/11/77  
 TITLE: REFUELER VEH. MAINT. BLDG. FLOOR PLANS & SCHEDS.

APPROVED: [Signature]  
 DATE: 2/11/77  
 CODE IDENT NO. 80091  
 NAVFAC DRAWING NO. 4039343  
 CONST. CONTR. NO. N62470-TT-B-T100  
 SCALE: SHC 05-77-T100 SHEET 8 OF 8  
 EFD DWG. NO. 159343





SYM	DESCRIPTION	PREP BY	DATE	APPROVED

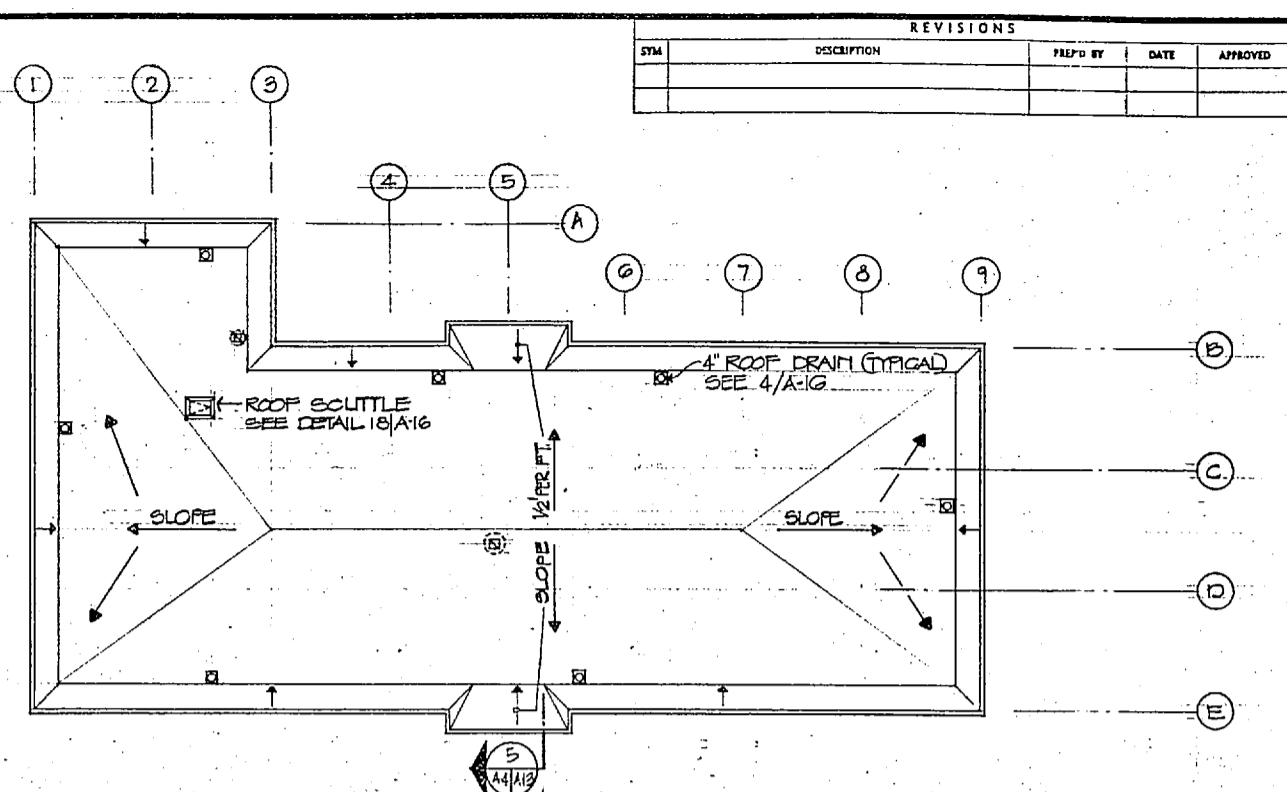
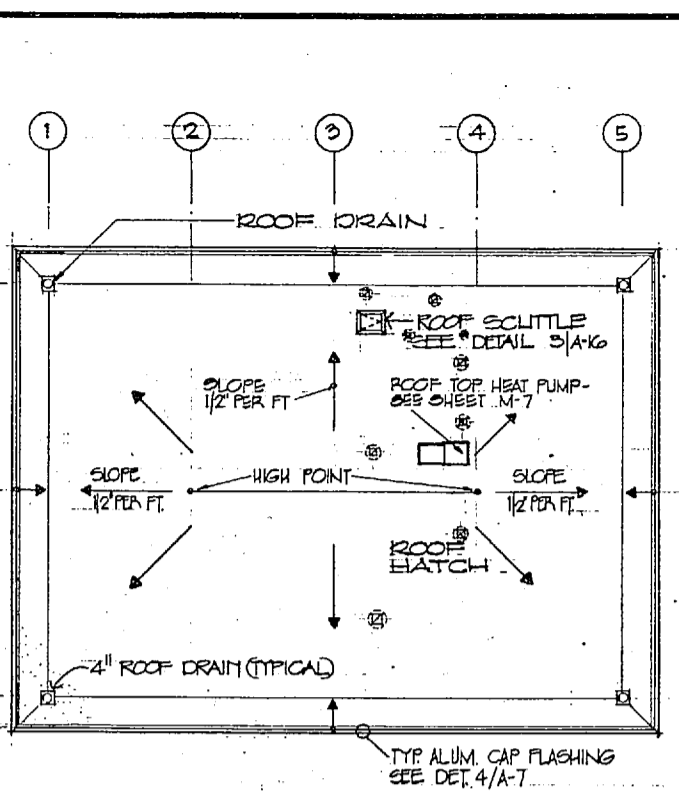
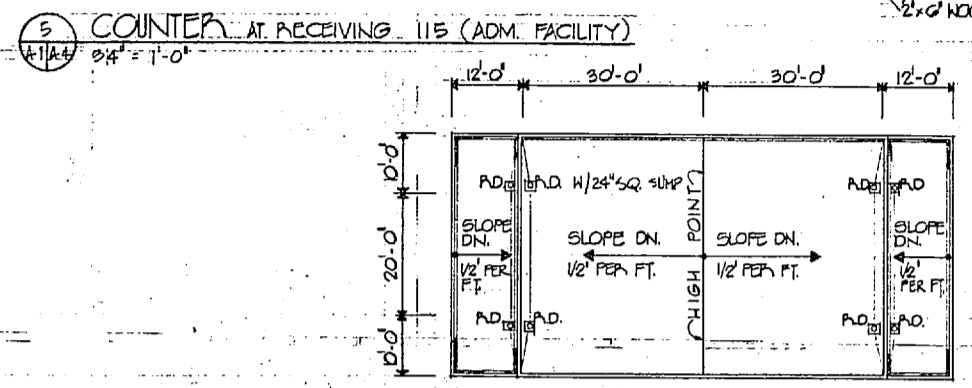
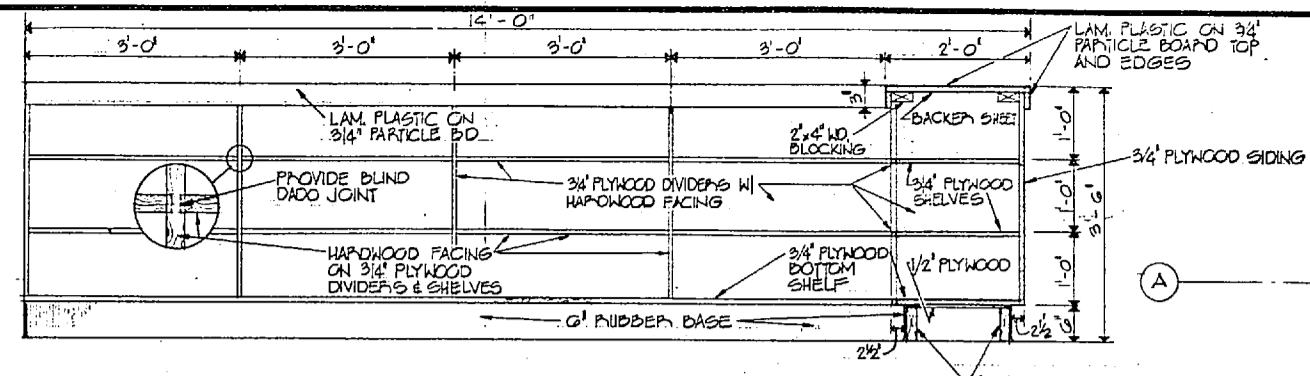


<b>A-5</b>	
J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK VIRGINIA
DIV. DWG. NO. 4039345 DESIGNED BY: [Signature] CHECKED BY: [Signature] DATE: 29 JUN 1975	SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina
BUILDING SECTIONS & STAIRS NAVYAC DRAWING NO. 4039345	OFFICE IN CHARGE: [Signature] DATE: 29 JUN 1975 FOR IFO FOR COMMANDER, NAVYAC
SCALE: 1/8" = 1'-0"	SHEET 10 OF 36

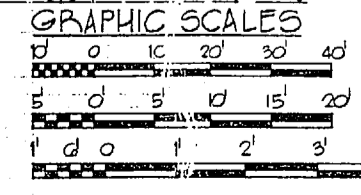
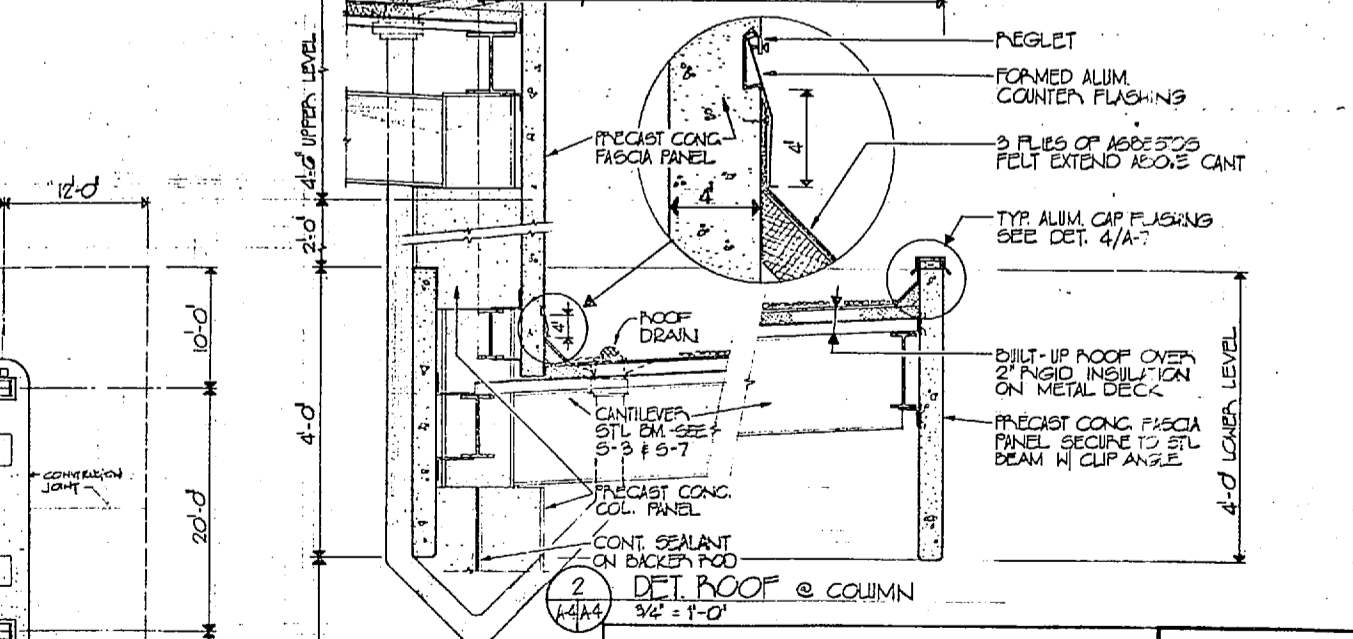
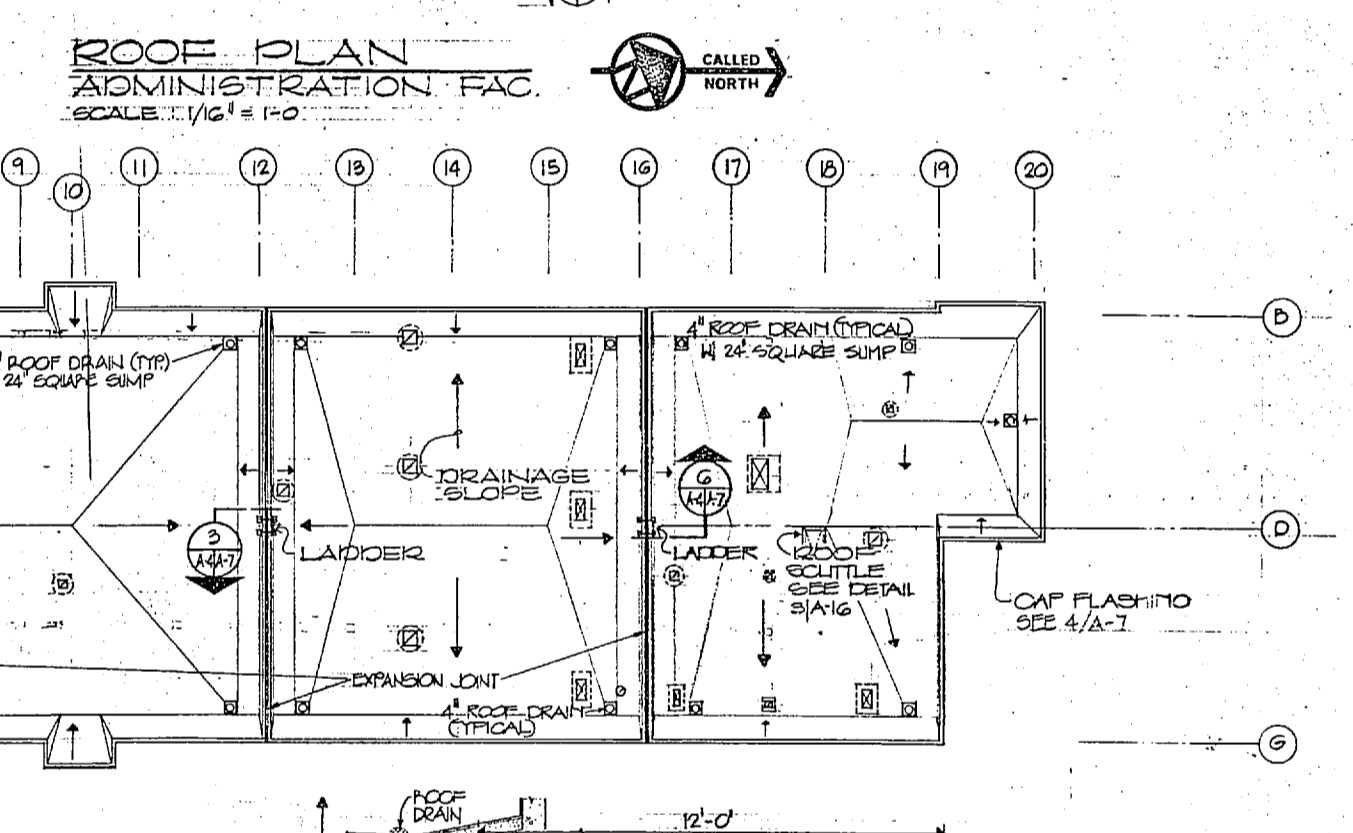
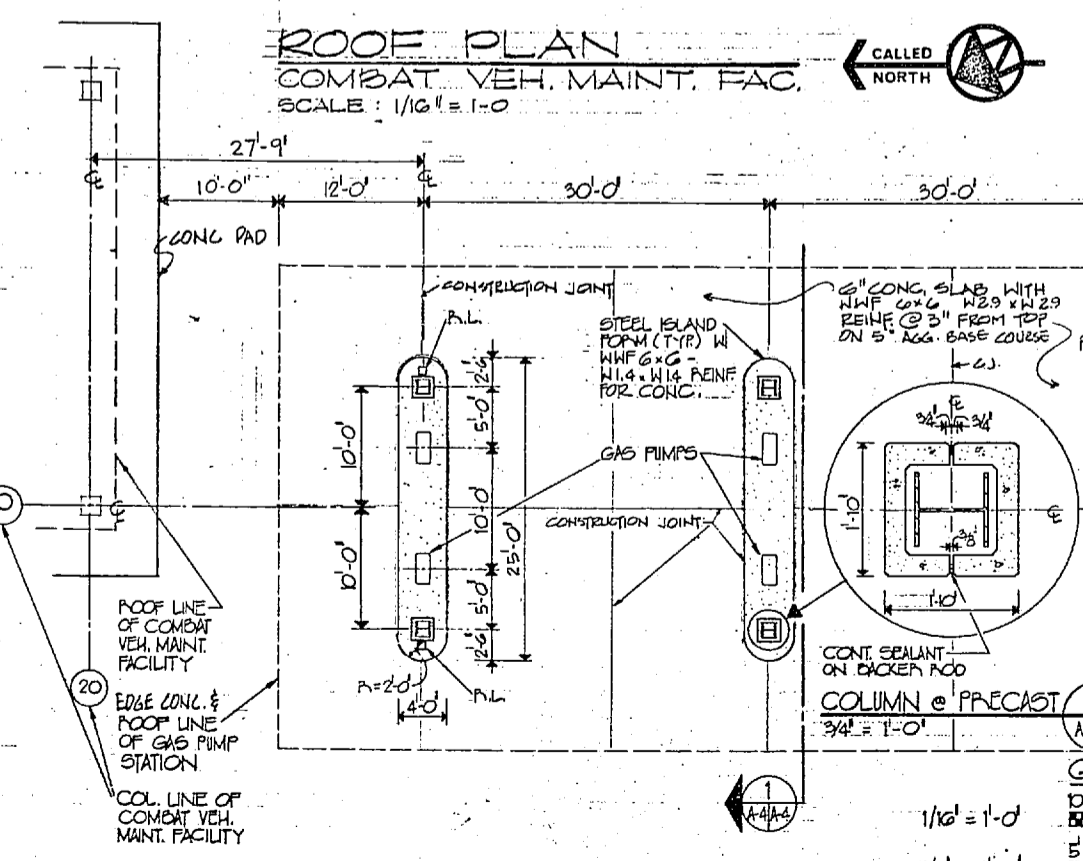
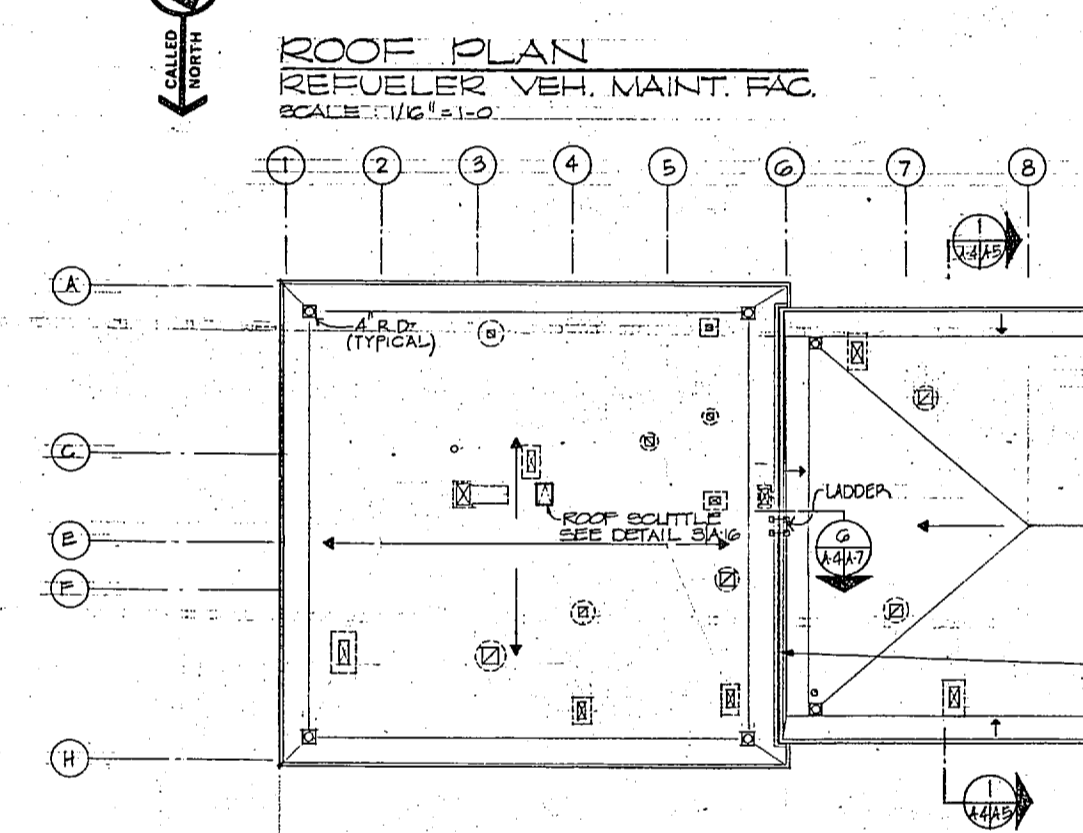
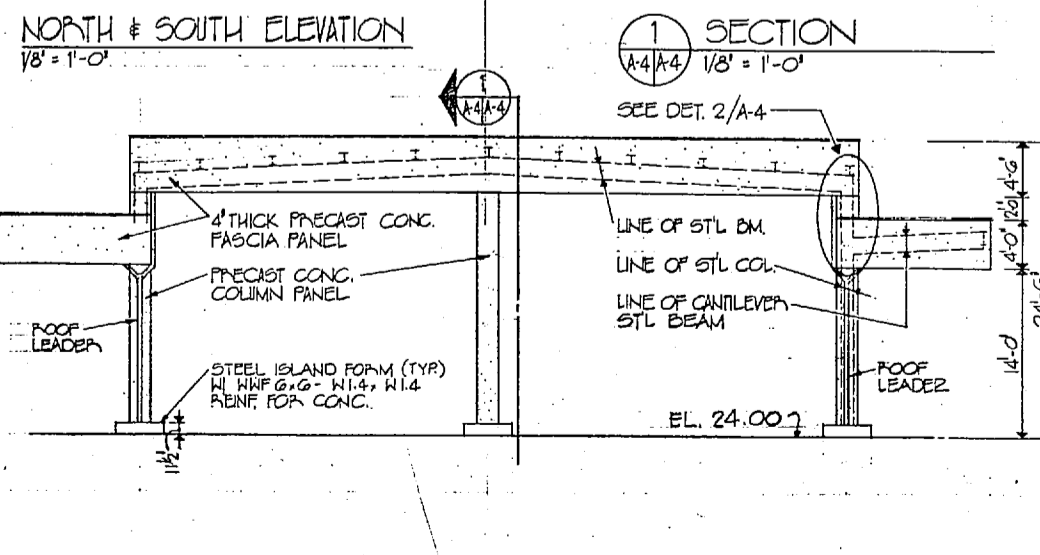
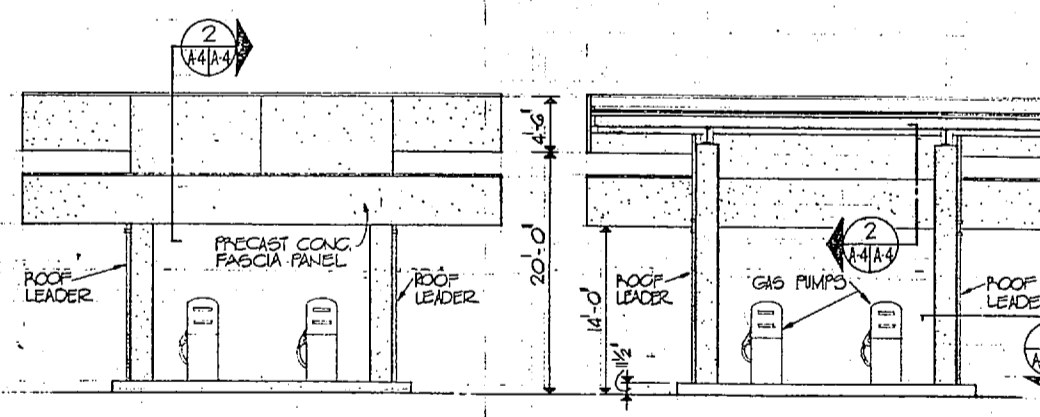
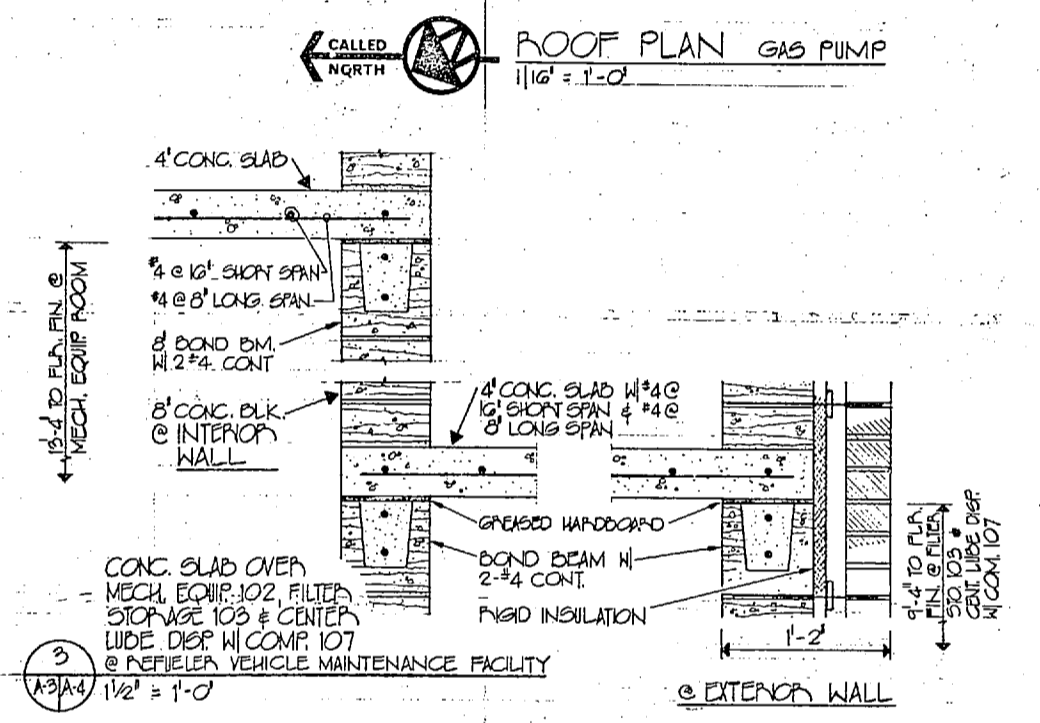
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DATE: 1/1/77

GRAPHIC SCALES





REVISIONS			
NO.	DESCRIPTION	PREP'D BY	DATE

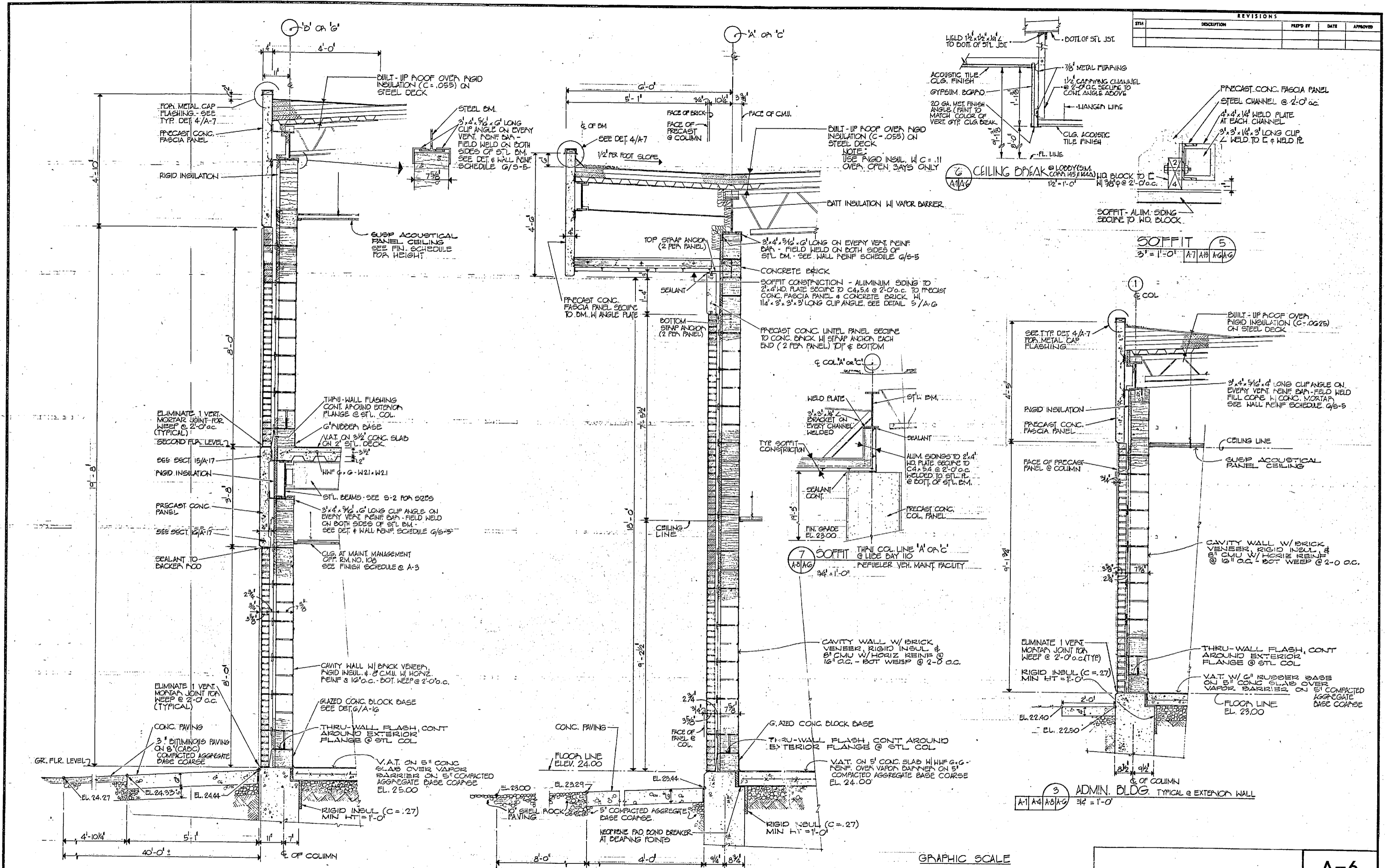


<b>J. H. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION	
DEL. D. 1444 PROJ. MGR. 5/14/77 SUBMITTED BY DATE 11/17/77 DRAWN BY CHECKED BY APPROVED BY		NAVY FACILITIES ENGINEERING COMMAND HONOLULU HAWAII SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
APPROVED DATE OFFICER IN CHARGE		ROOF PLANS & FUEL PUMP SHED NAVY DRAWING NO. 439944 CONSTR. CONTR. NO. N62470-77B-7100 SPEC. 05-77-7100 SHEET 9 OF 50 EFD DWG. NO. 139344	

SATISFACTORY TO  
 DATE 11/17/77

1 2 3 4 5 6 7 8 9 10

REVISIONS				
NO.	DESCRIPTION	PREP BY	DATE	APPROVED



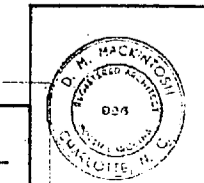
1 COMBAT VEHICLE MAINT. FACILITY @ EXTERIOR WALL  
3/4" = 1'-0"

2 REFUELER VEH. MAINT. FACILITY @ EXTERIOR WALL  
3/4" = 1'-0"

3 ADMIN. BLDG. TYPICAL @ EXTERIOR WALL  
3/4" = 1'-0"

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

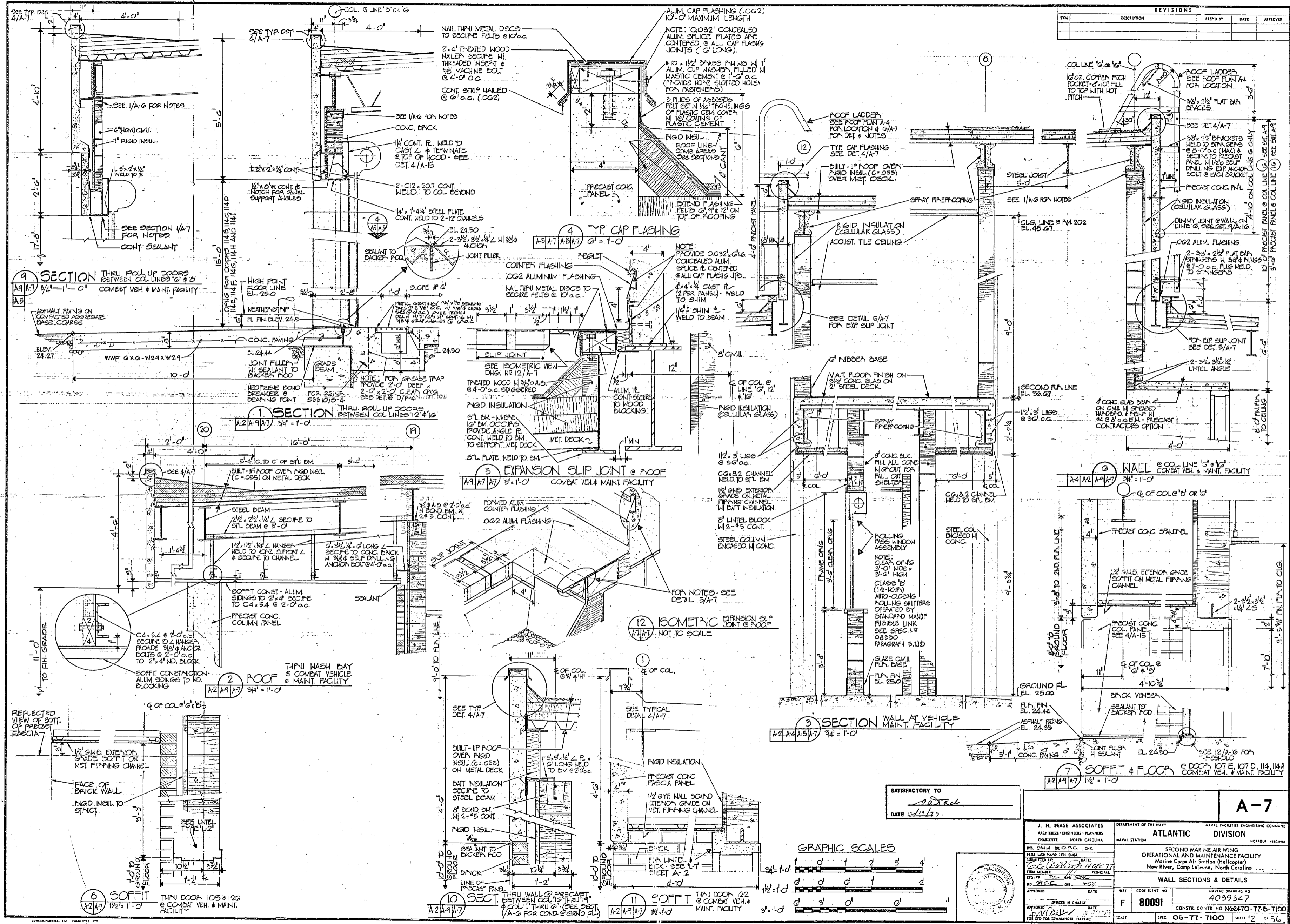
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DATE 12/13/77



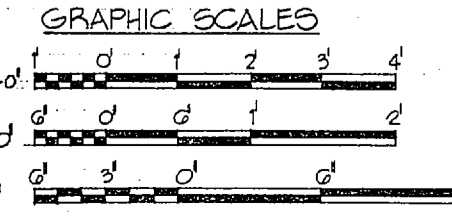
<b>A-6</b>	
J. M. PEASE ASSOCIATES ARCHITECTS-ENGINEERS-PLANNERS CHARLOTTE NORTH CAROLINA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NORFOLK VIRGINIA
DES. D.M.M. - JR. O.P.C. - C.W.E. PREP. M.C.E. - J.W.M. - C.H. ENGR. SUBMITTED BY: <i>[Signature]</i> DATE: 12/13/77 FOR: <i>[Signature]</i> NO. 1122	NAVAL STATION SECOND MARINE AIR WING OPERATIONAL AN. MAINTENANCE FACILITY Marine Corps Station (Helicopter) New River, Camp Lejeune, North Carolina
APPROVED: <i>[Signature]</i> DATE: 12/13/77	WALL SECTIONS NAVFAC DRAWING NO. 4039346 CONS'L CONTR. NO. 62470-77-B-7100
OFFICER IN CHARGE	SCALE: 1/8" = 1'-0"
DATE: 12/13/77	SHEET 11 OF 20
FOR STD. FOR CONTRACTS, NAVFAC	EFD DWG. NO. 139346

CCCCCCCC

REVISIONS			
NO.	DESCRIPTION	PREP BY	DATE



SAFETY TO  
 DATE 1/1/72



<b>J. N. REASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NORTH CAROLINA	
PROJECT: SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina		DIVISION: NORFOLK VIRGINIA	
DRAWING NO: 4039347 CONSTRUCTION NO: N62470-TT-6-T100		SHEET NO: 12 OF 56	

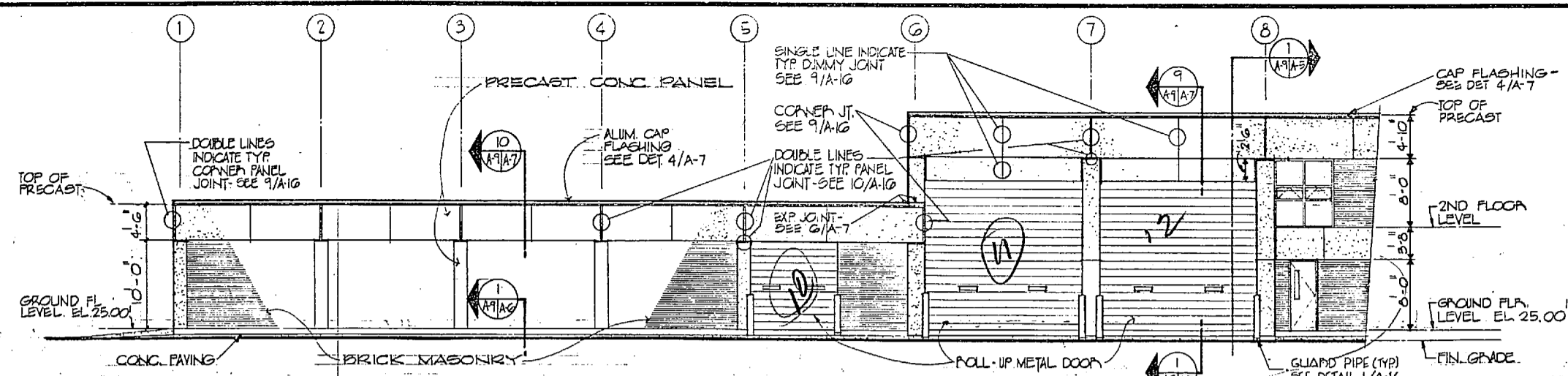
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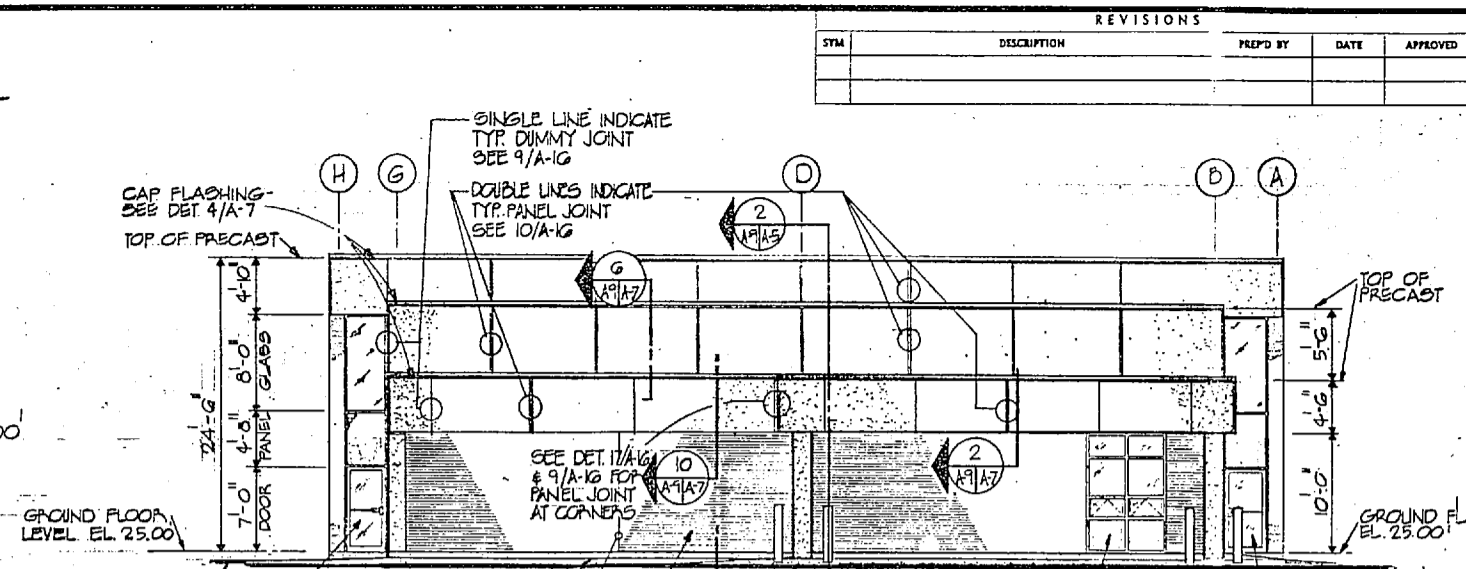




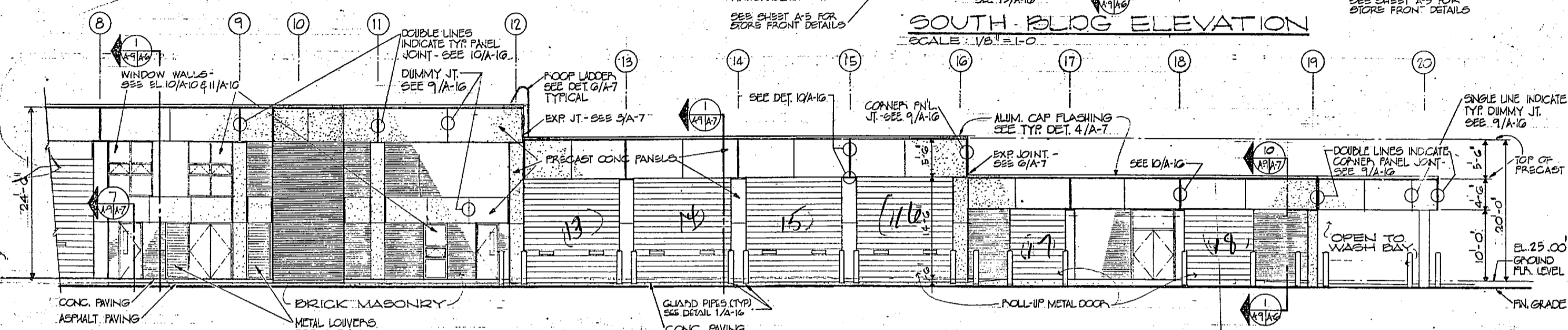
REVISIONS			
NO.	DESCRIPTION	PREP BY	DATE



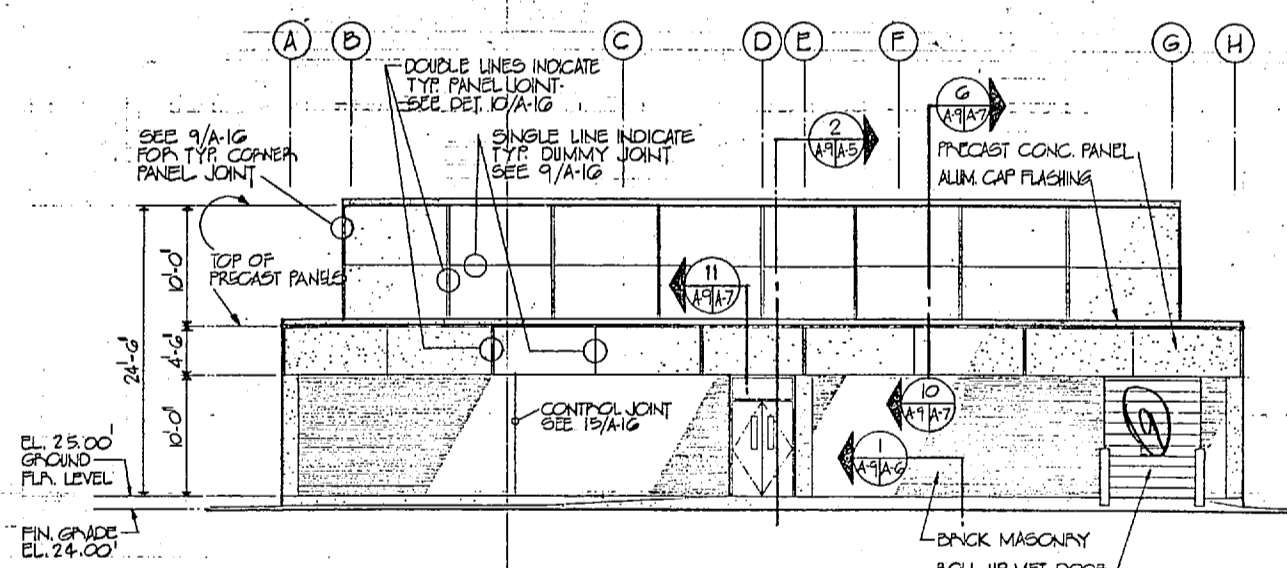
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SCALE: 1/8" = 1'-0"



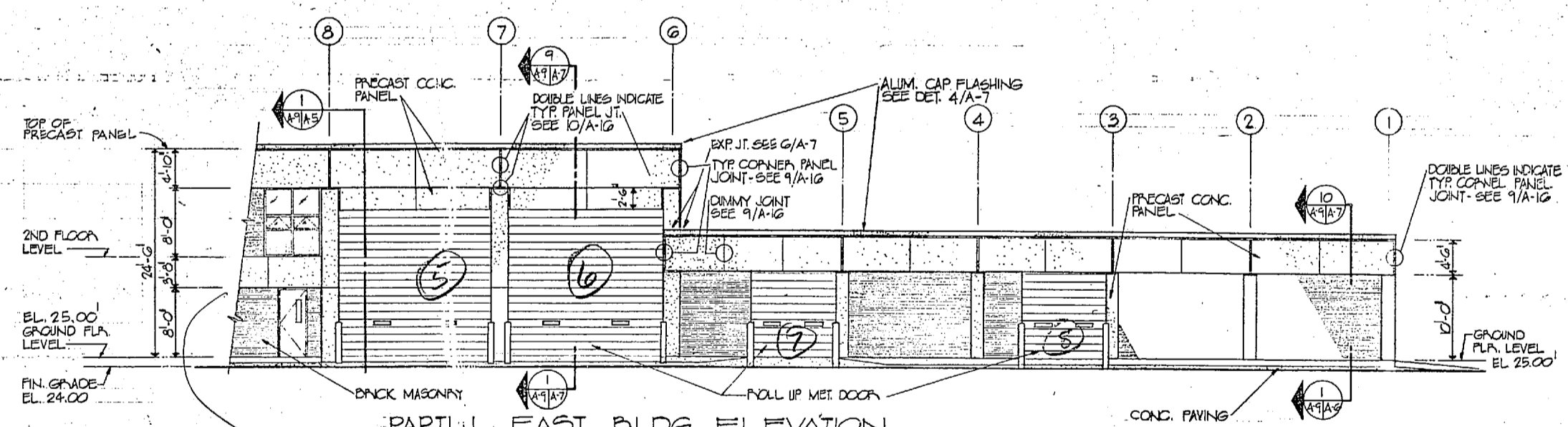
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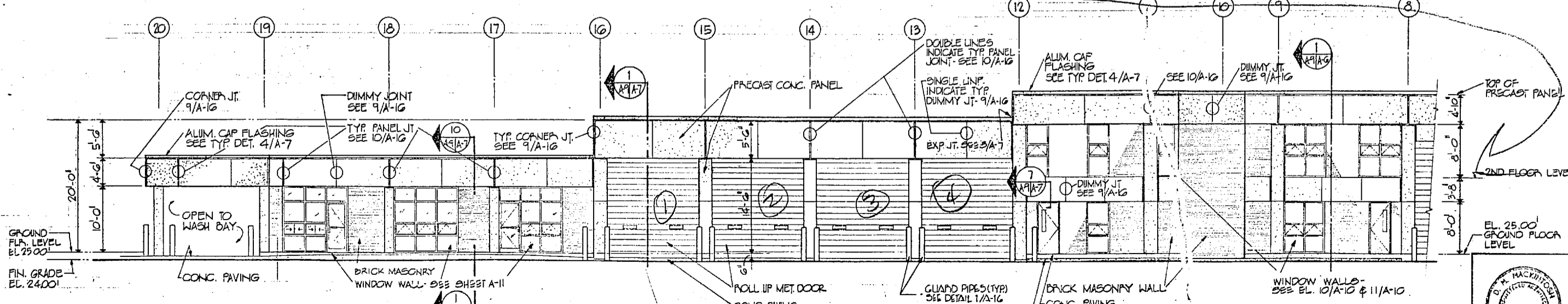
**PARTIAL WEST BLOG ELEVATION**  
SCALE: 1/8" = 1'-0"



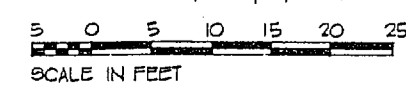
**NORTH BLOG ELEVATION**  
SCALE: 1/8" = 1'-0"



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



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



SATISFACTORY TO  
*CD 726*  
DATE 11/11/77

**A-9**

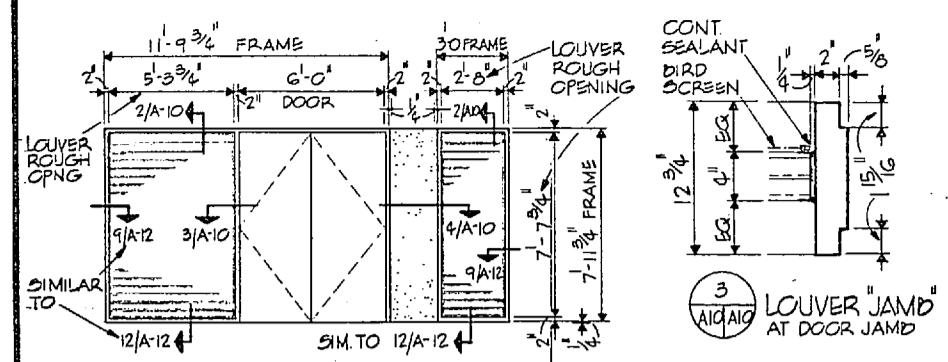
J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE, NORTH CAROLINA DES. O. W. M. DR. O. R. C. (CHK) PROJ. MGR. J. M. T. (CHK) DATE: 11/11/77 DRAWN BY: <i>CD 726</i> CHECKED BY: <i>CD 726</i> NO. 116 DATE: 11/11/77	DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION HONOLULU, HAWAII
	NAVAL FACILITIES ENGINEERING COMMAND SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina
BUILDING ELEVATIONS HAYAC DRAWING NO. <b>4039349</b>	CONSTRUCTION CONTRACT NO. <b>NO2470-TT-B-7100</b>
OFFICER IN CHARGE <i>M. J. M.</i>	DATE: 11/11/77
APPROVED BY: <i>M. J. M.</i>	DATE: 11/11/77
FOR ETD FOR COMMANDER, NAVFAC	SCALE: 1/8" = 1'-0"



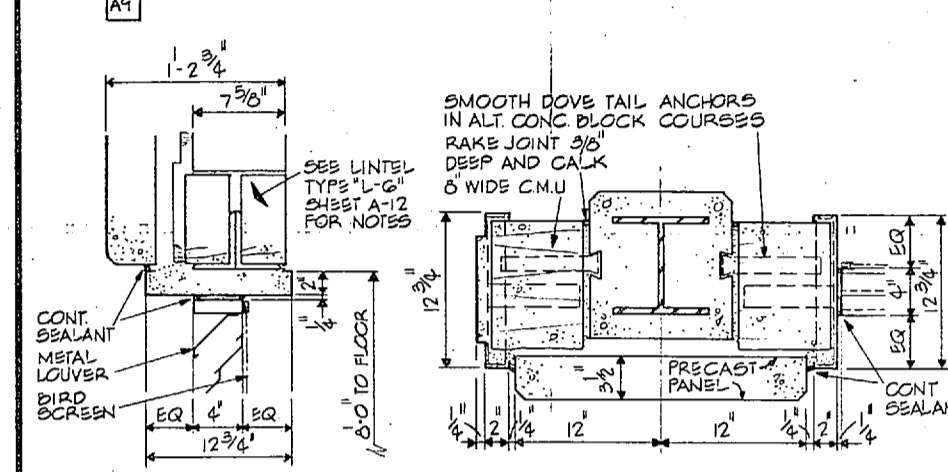
SHEET 14 OF 56  
EPD DWG. NO. 139349

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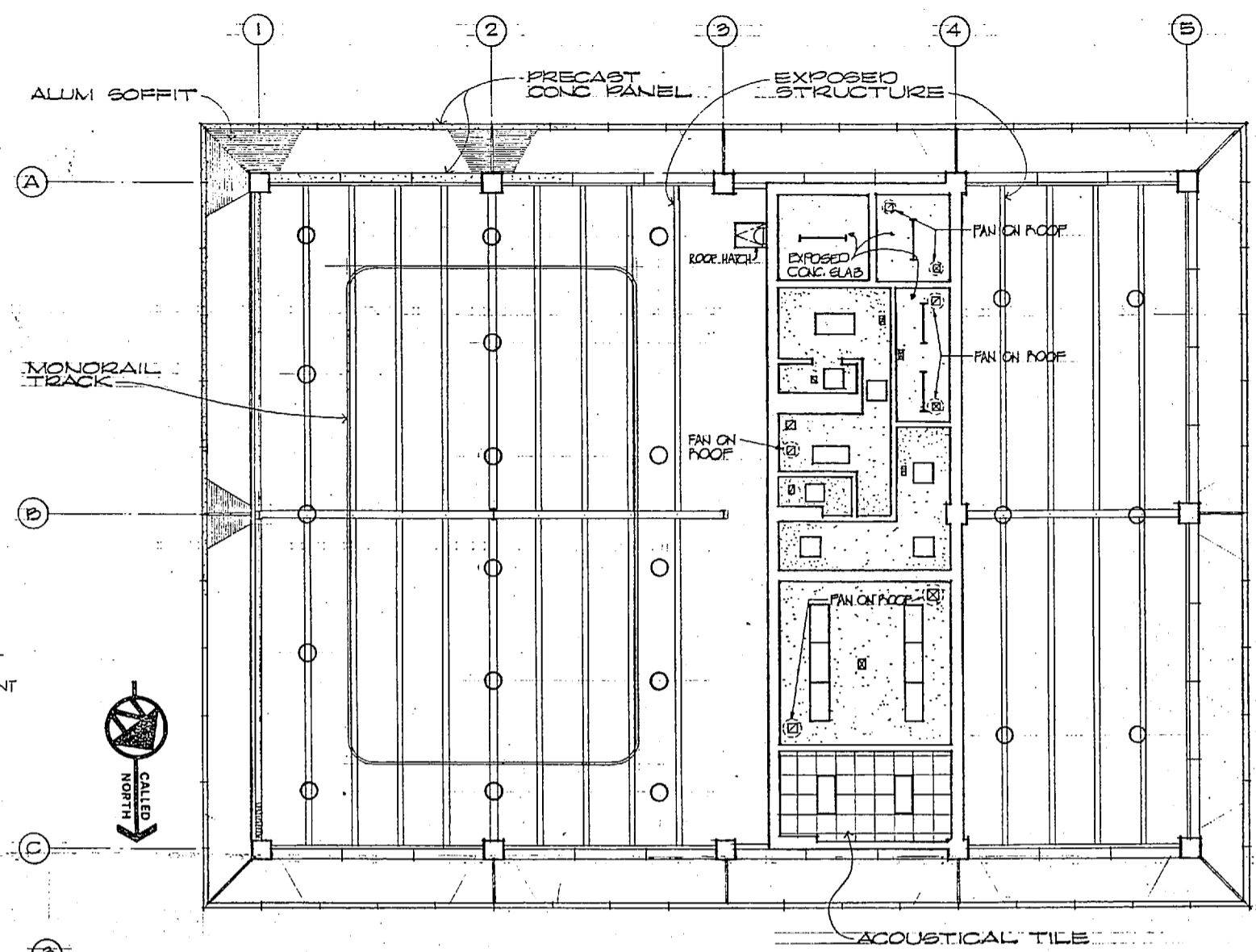
REV.	DESCRIPTION	PREP BY	DATE	APPROVED



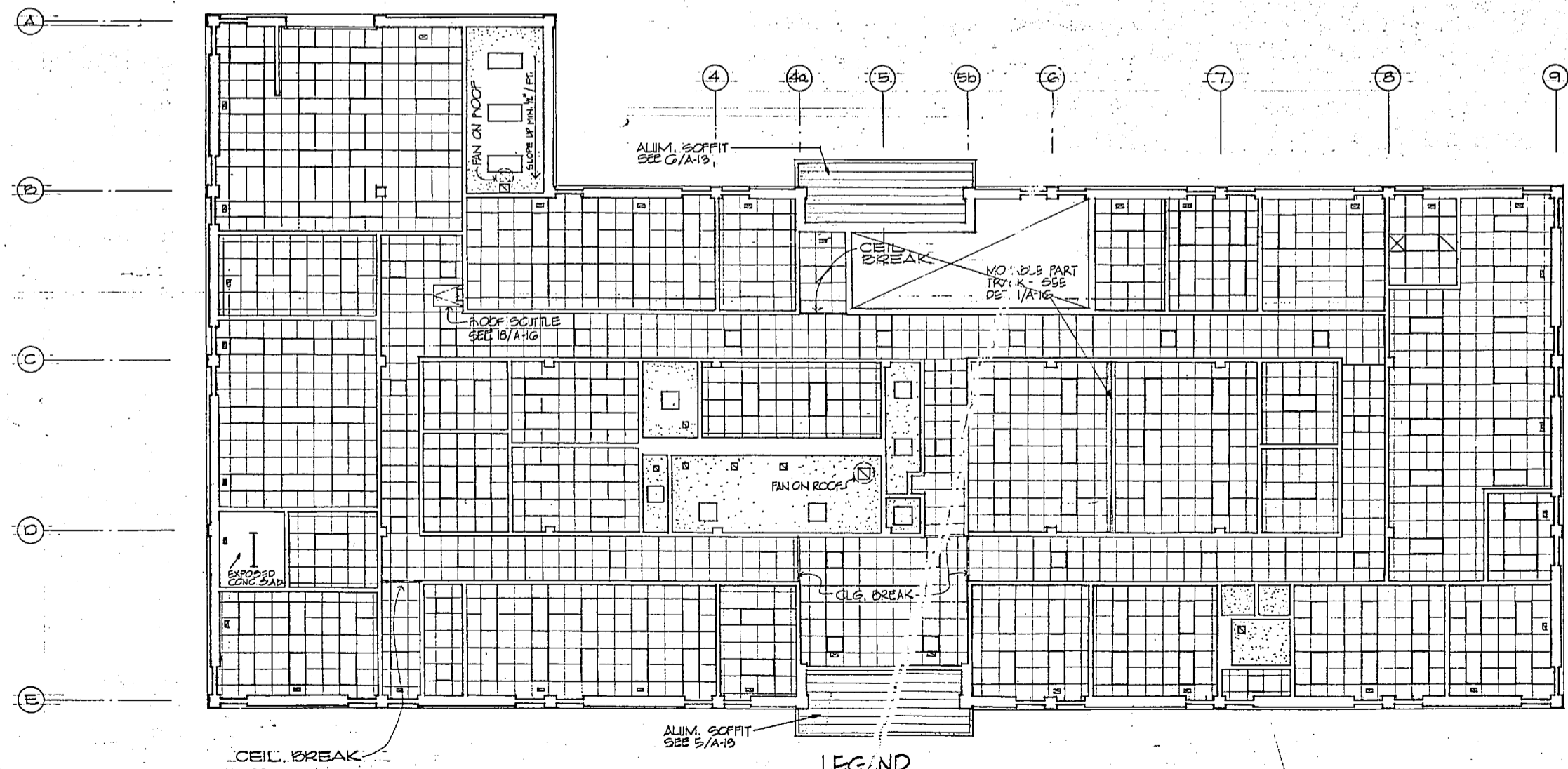
ELEVATION OF LOUVERS AT MECH EQUIP 135-COMBAT VEHICLE MAINT. FACILITY  
SCALE: 1/4" = 1'-0"



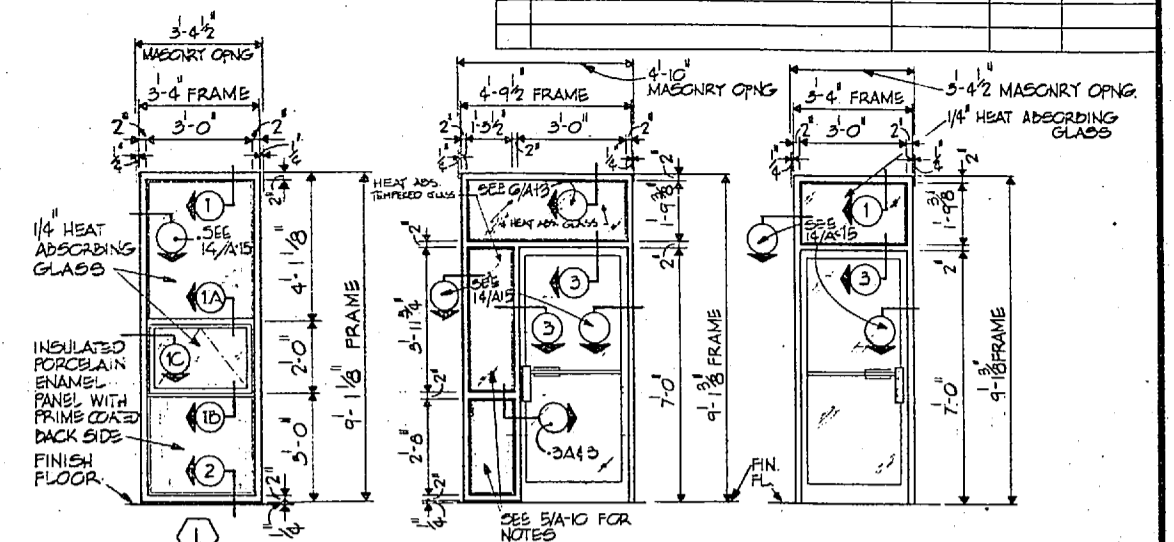
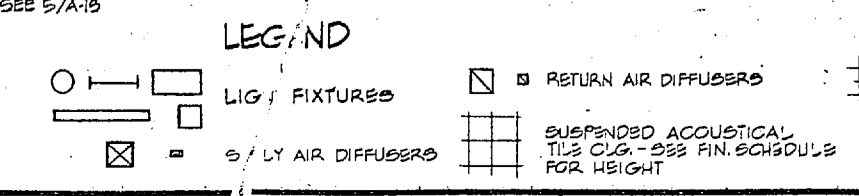
LOUVER HEAD AT PRECAST  
LOUVER & DOOR JAMB AT COLUMN  
LOUVER DETAILS COMBAT VEHICLE MAINTENANCE FACILITY  
SCALE: 1/2" = 1'-0"



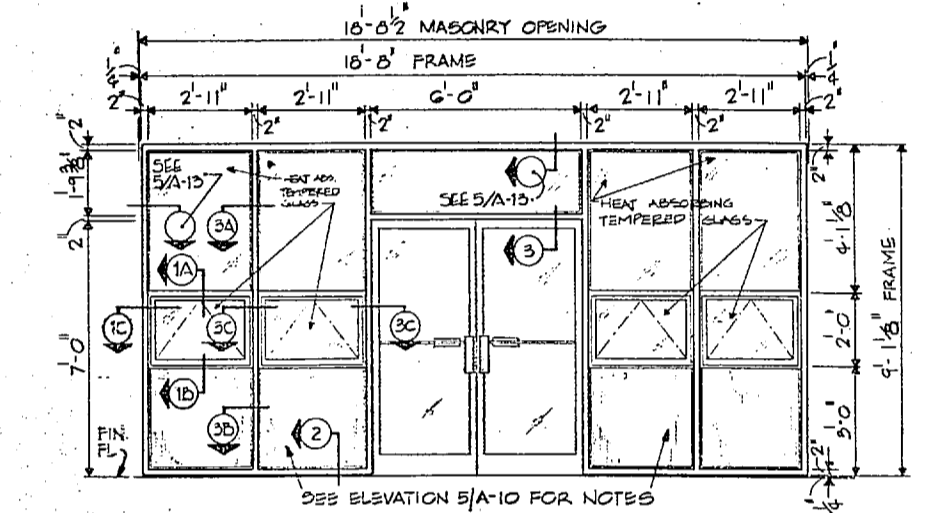
REFLECT. CEILING PLAN  
REFUELER VEHICLE MAINT. FAC.  
SCALE: 1/8" = 1'-0"



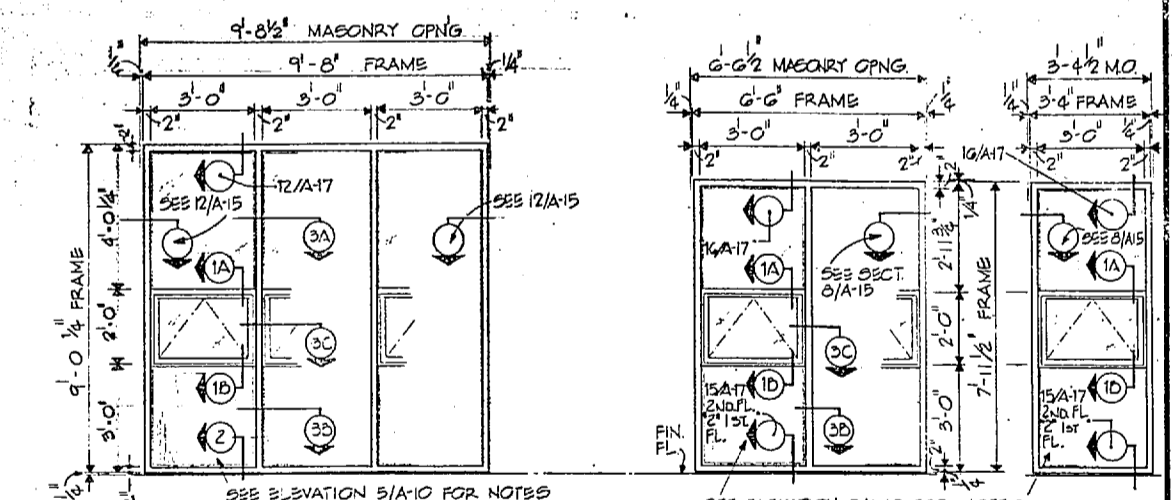
REFLECT. CEIL. PLAN  
ADMINISTRATION FACILITY  
SCALE: 1/8" = 1'-0"



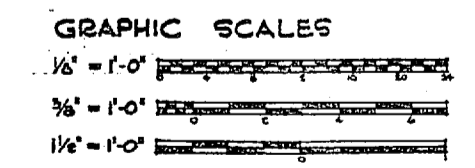
ELEVATION OF TYP. WDW WALL-ADMINIST. FACILITY  
ELEV. OF DOOR 145-ADMIN. FACILITY  
ELEV. OF DOOR 144-A ADMIN. FACILITY



ELEVATION OF MAIN ENTRANCE AT DOOR 125-ADMINISTRATION FACILITY



ELEVATION OF WINDOW WALL - REFUELER VEHICLE MAIN FACILITY  
ELEV. OF WDW WALL - C.V.M. FAC.  
ELEV. OF WDW WALL - C.V.M. FAC.



NOTES  
1. FOR SECTION DETAILS INDICATED THIS WAY SEE SHEET A-12 AND A-17  
2. FOR CONTINUATION OF WINDOW WALL ELEVATIONS SEE SHEET A-11.



<b>A-10</b>	
J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK VIRGINIA
DATE: 12/11/77 PROJECT: 4039350 DRAWING: 4039350-11	SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina
REFLECTED CEILING PLANS	
SIZE: 11" x 17"	NAVFAC DRAWING NO: 4039350
OFFICE IN CHARGE: [Signature]	CONSTR. CONTR. NO: N62410-TT-B-7100
DATE: 12/11/77	SCALE: 1/8" = 1'-0"
DATE: 12/11/77	SHEET 15 OF 54
EPD DWG. NO. 139350	

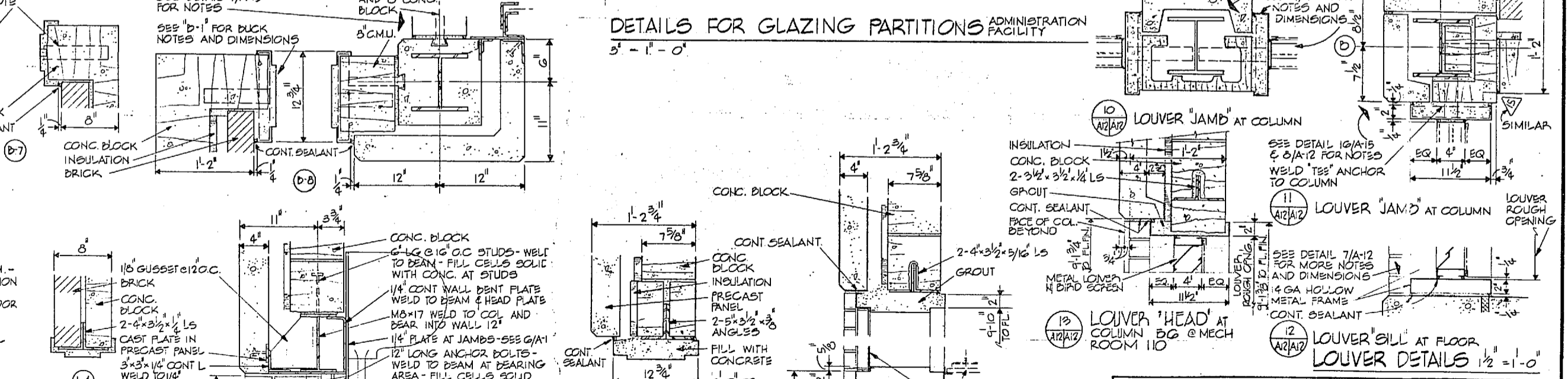
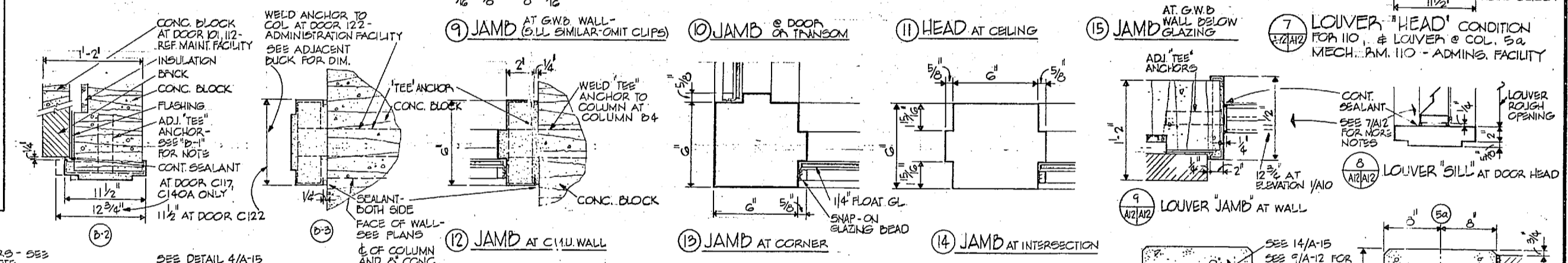
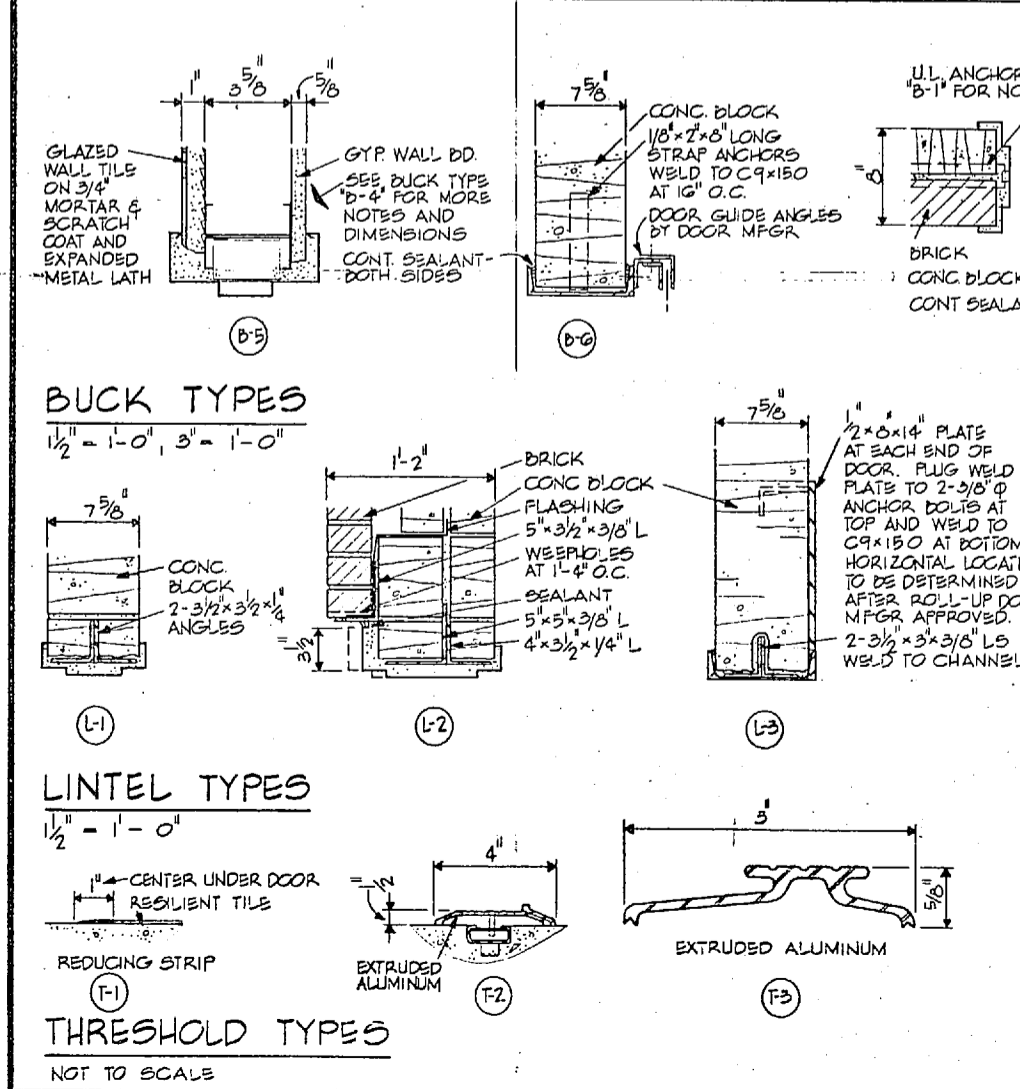
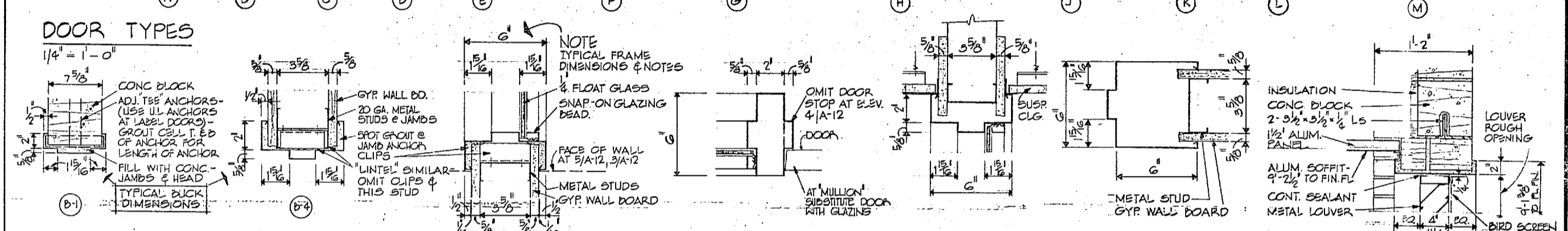
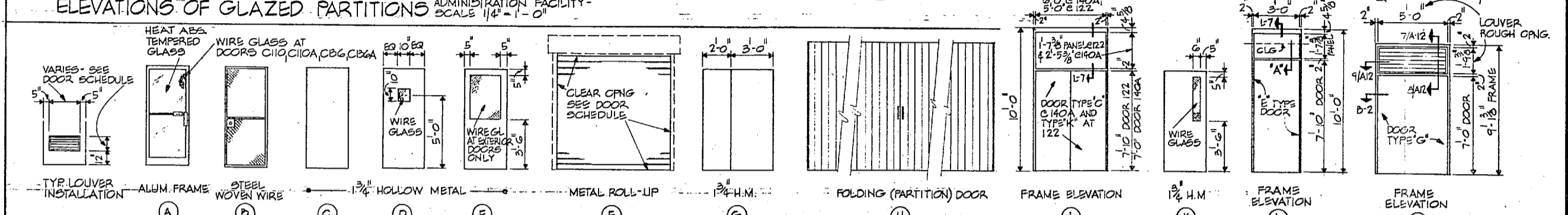
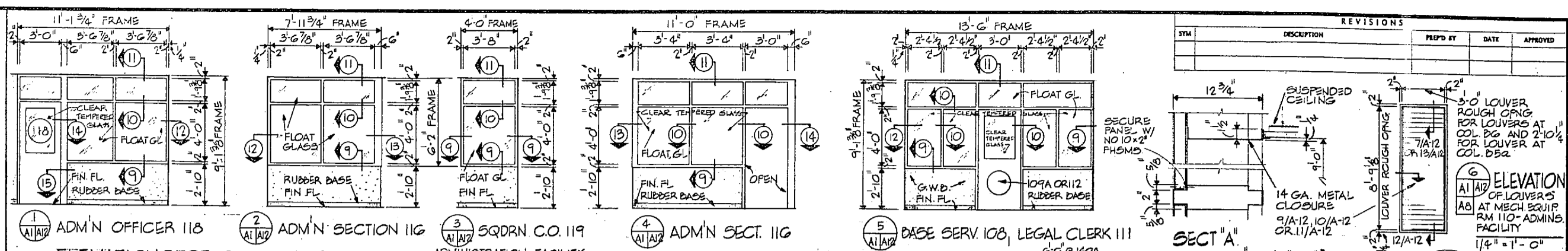
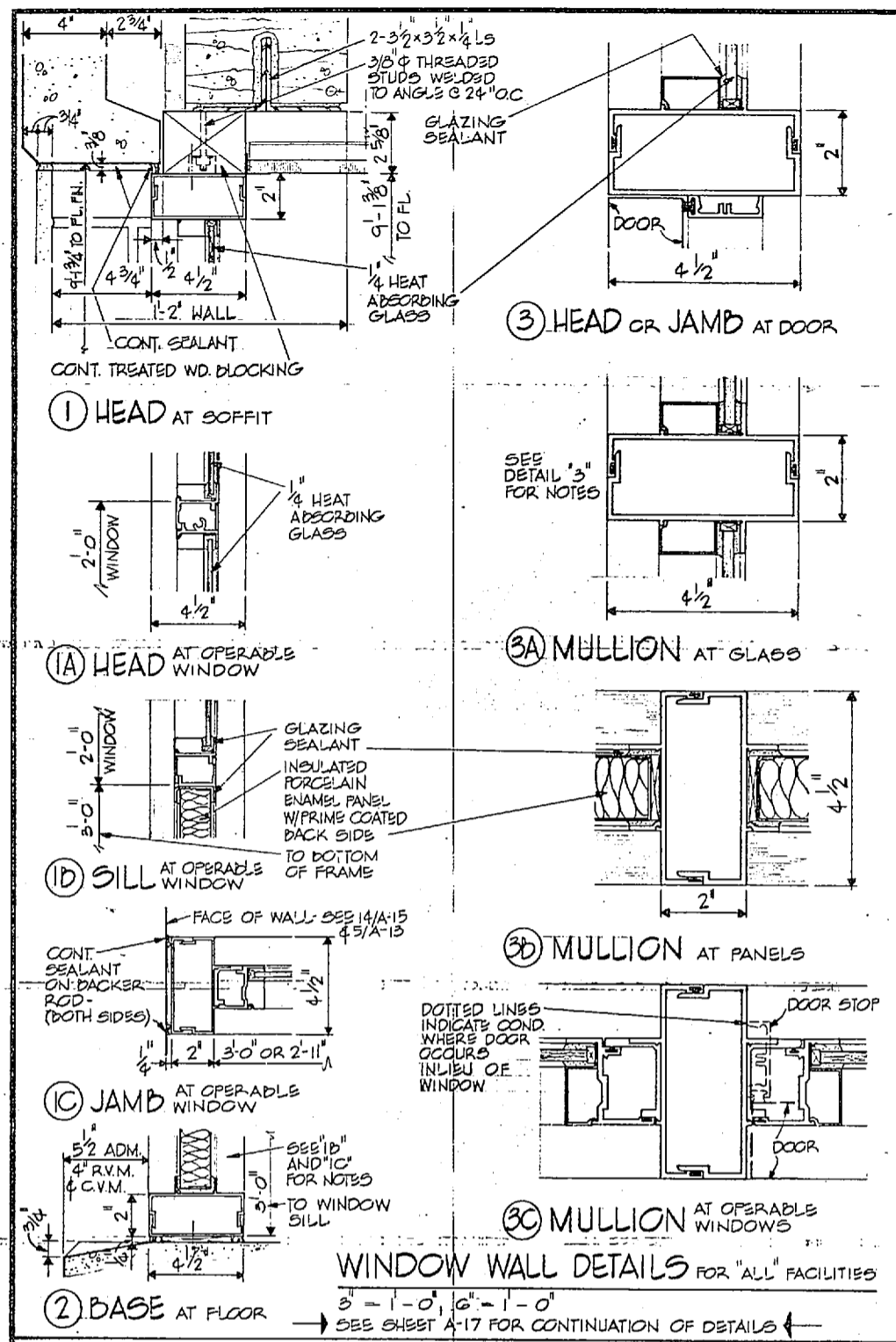
SATISFACTORY TO  
DATE: 12/11/77











**NOTE**  
SEE SHEET A-16 FOR THRESHOLD T-4, T-5

**GRAPHIC SCALES**

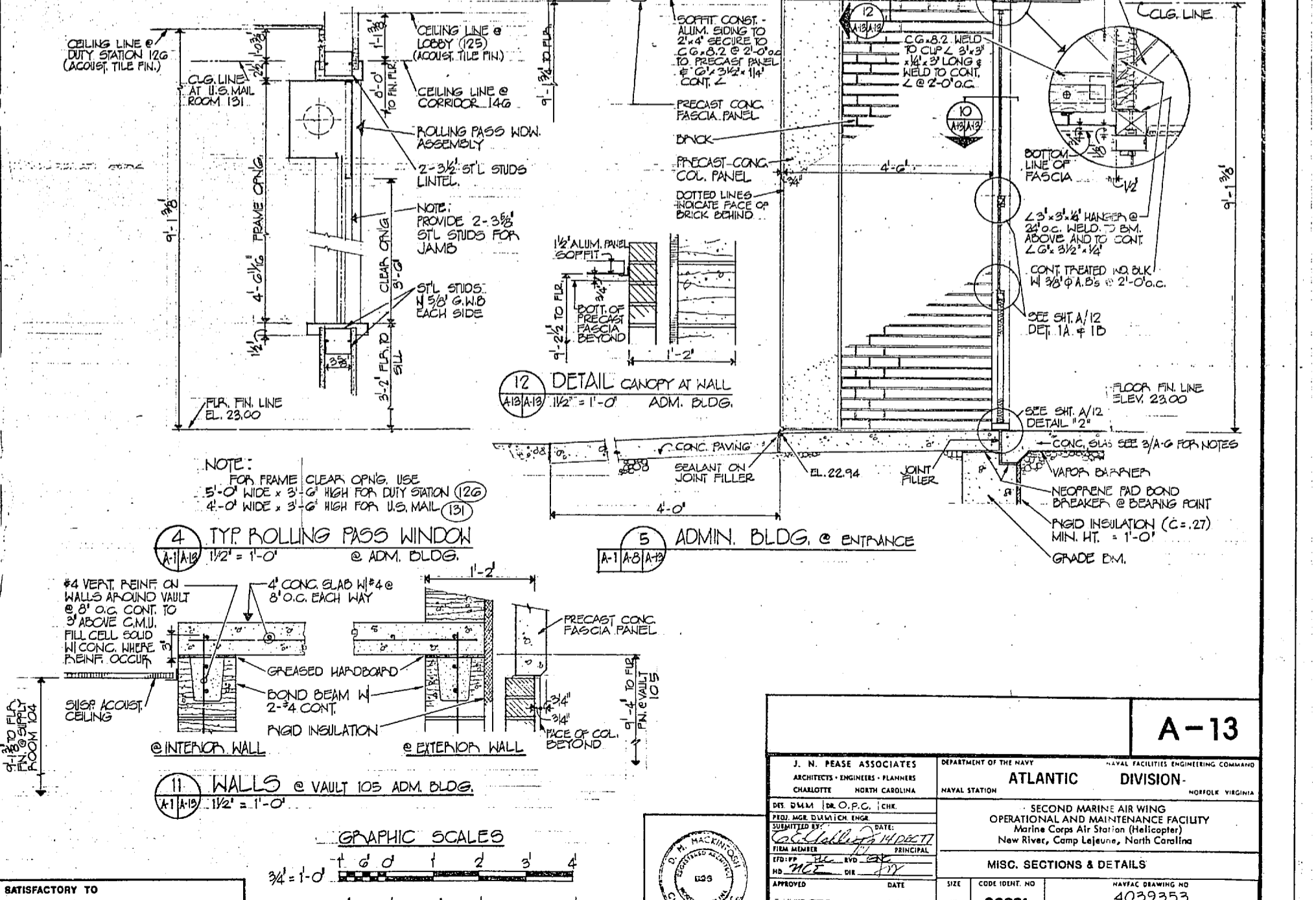
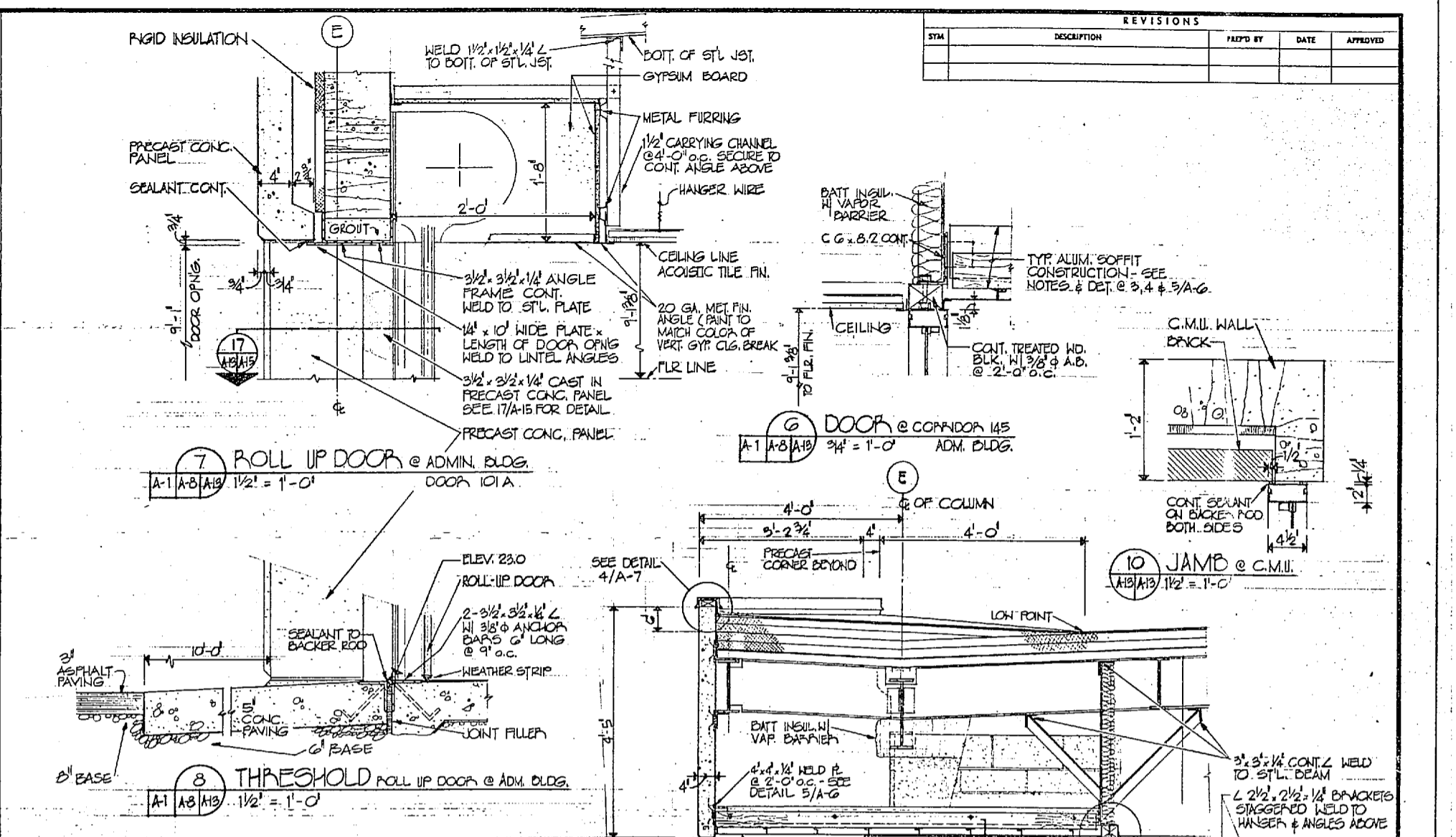
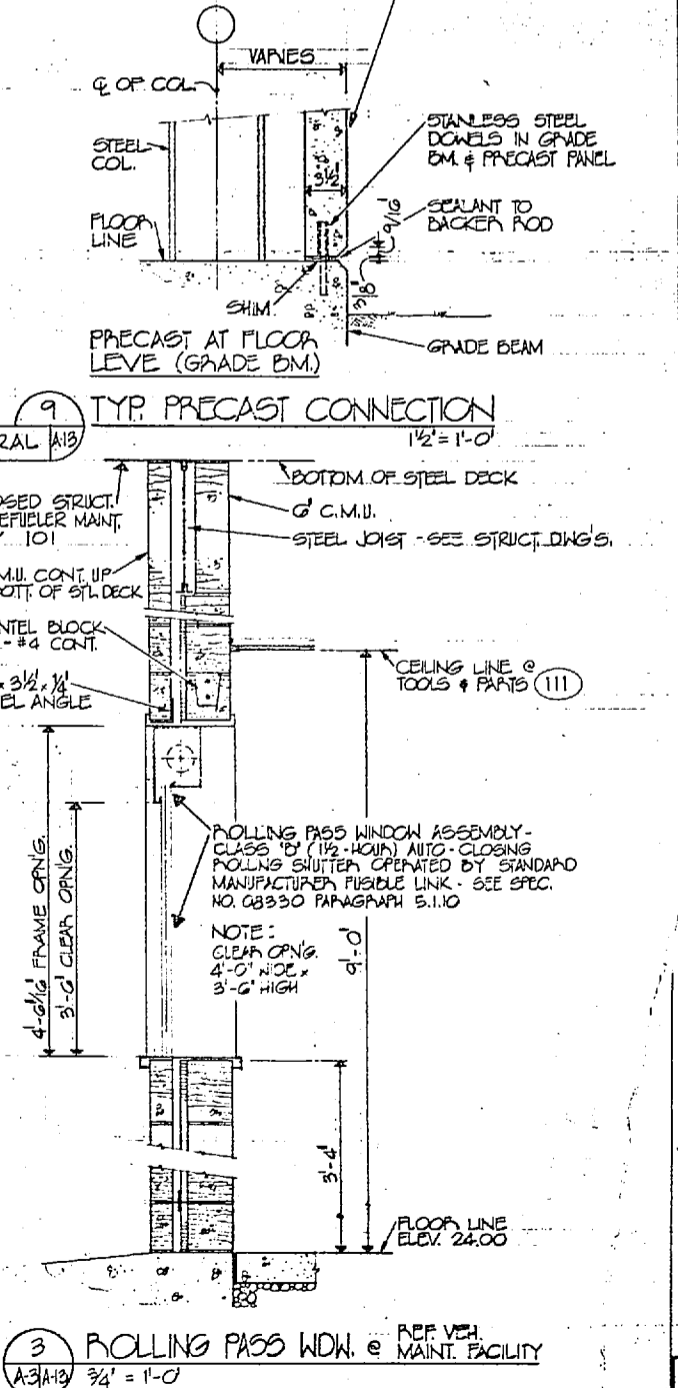
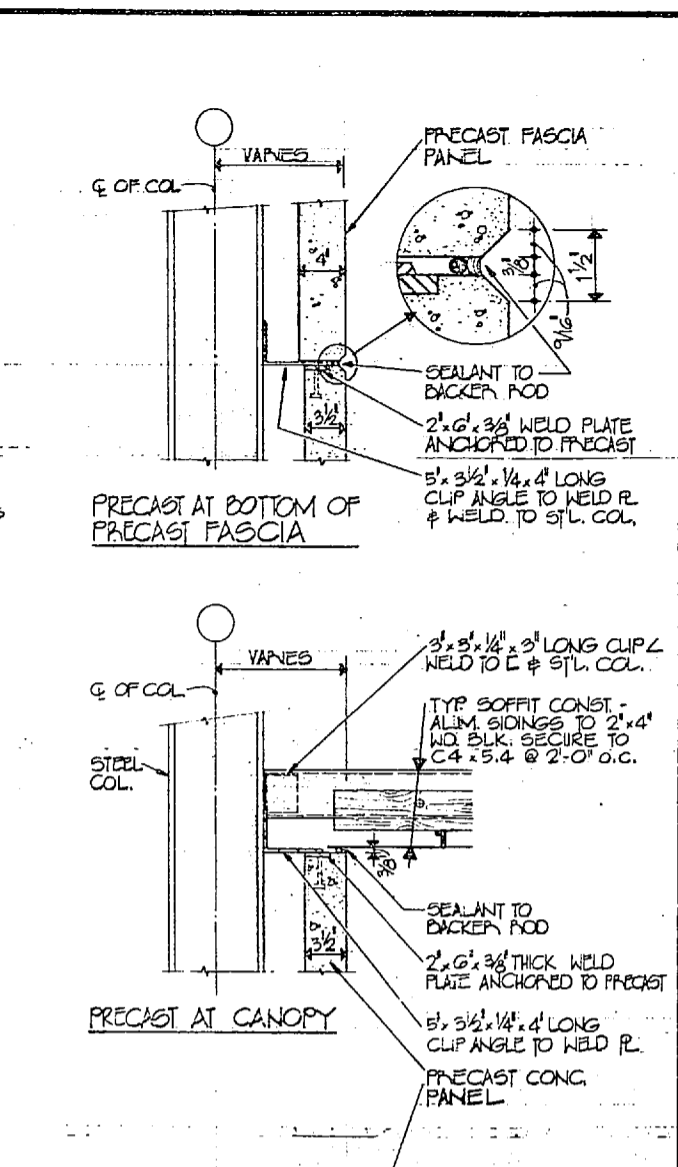
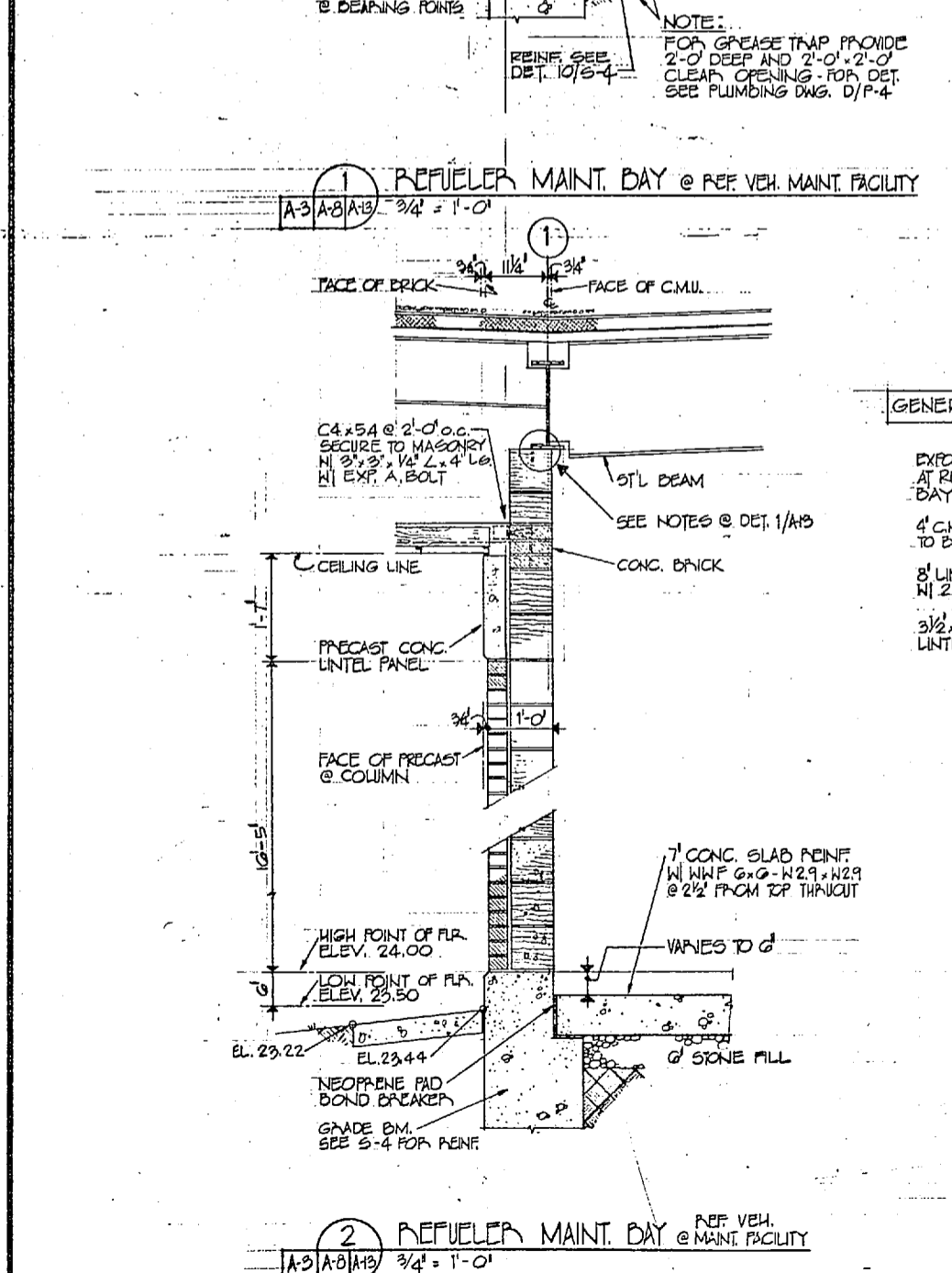
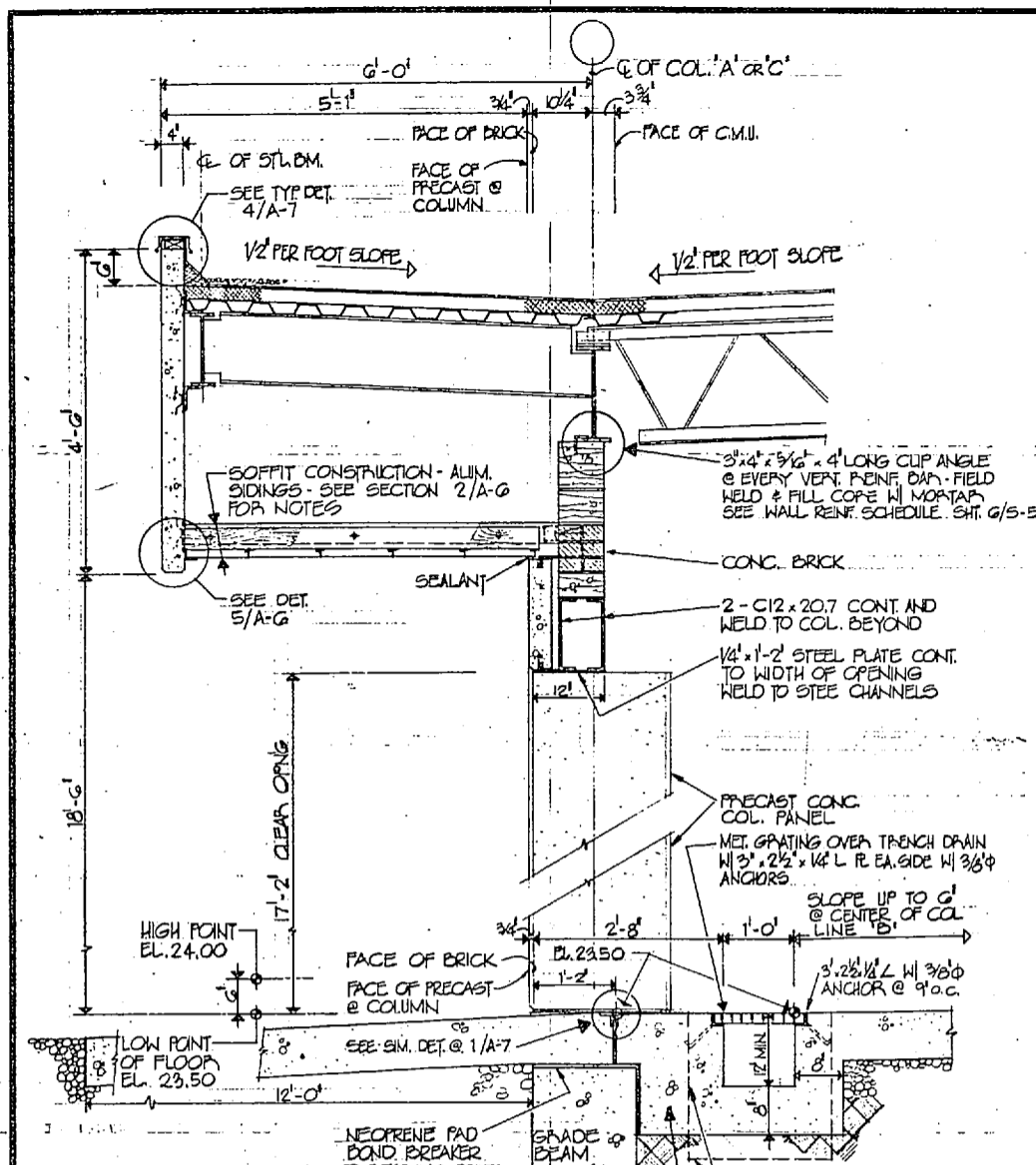
1 1/4" = 1'-0"  
1 1/2" = 1'-0"  
3" = 1'-0"

**SATISFACTORY TO**  
DATE 12/15/77

**A-12**

J. N. PEASE ASSOCIATES ARCHITECTS-ENGINEERS-PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
PROJECT: SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina		DIVISION: NORFOLK VIRGINIA	
DRAWING NO. 80091		CONSTR. CONTR. NO. N62470-TT-B-1100	
DATE 12/15/77		SHEET 17 OF 56	





STA.	DESCRIPTION	REVISED BY	DATE	APPROVED

**A-13**

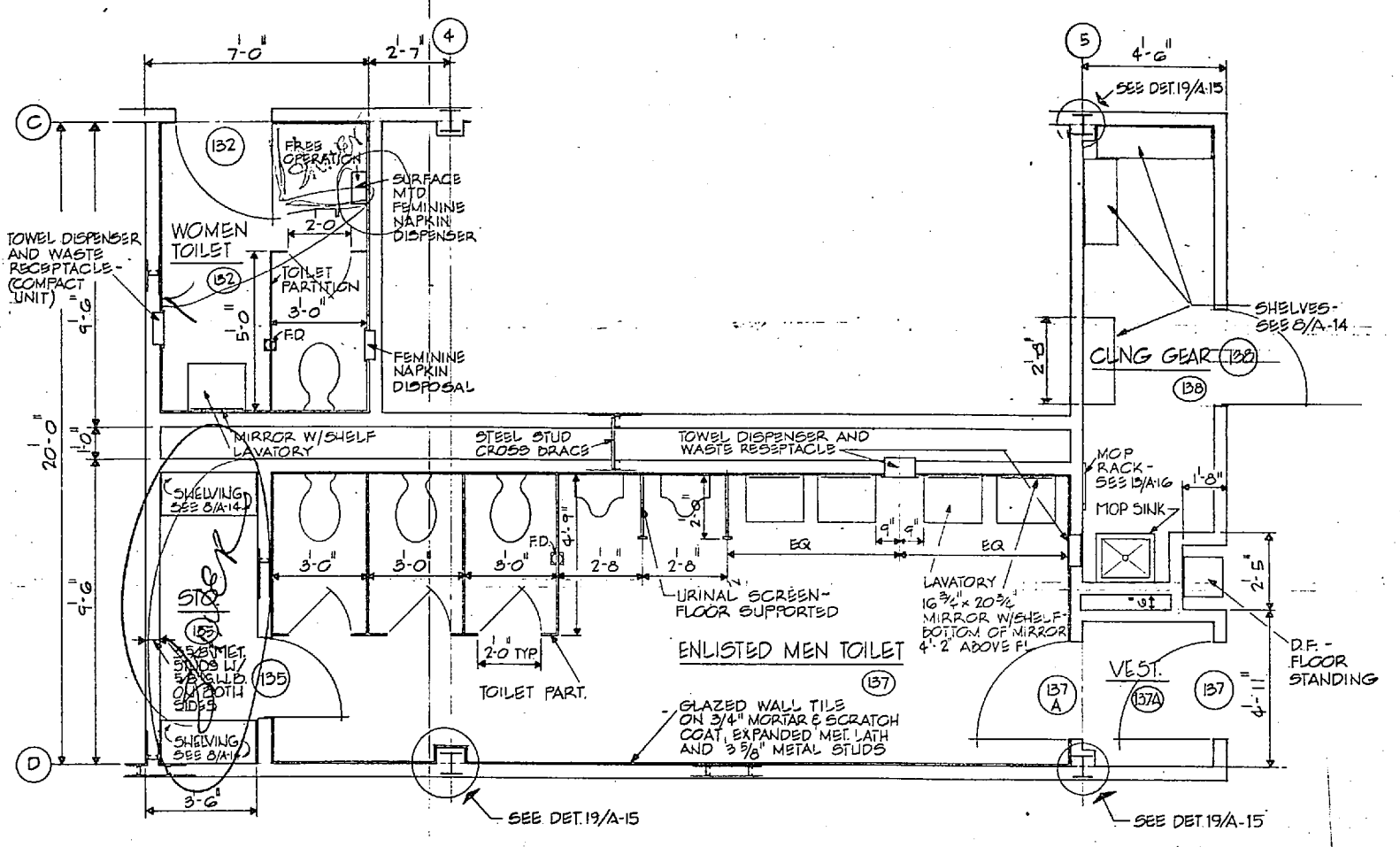
J. N. PEASE ASSOCIATES ARCHITECTS • ENGINEERS • PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK VIRGINIA	
DR. DALLA DR. O.P.C. I.C.H. PRINCIPAL ARCHITECT ESTABLISHED BY <i>Carolyn M. Pease</i> FIRM MEMBER DR. M.C. DR. J.C. DR. J.C. DR. M.C. DR. J.C. DR. J.C. DR. M.C. DR. J.C. DR. J.C.		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
MISC. SECTIONS & DETAILS			
APPROVED <i>[Signature]</i> DATE	OFFICER IN CHARGE DATE	SIZE <b>F 80091</b>	HAYAC DRAWING NO. <b>4039353</b> CONSTR. CONTR. NO. <b>NG2470-77-5-7100</b> SCALE <b>Q5-77-7100</b> SHEET 15 OF 56

SATISFACTORY TO 0824  
 DATE 11/17

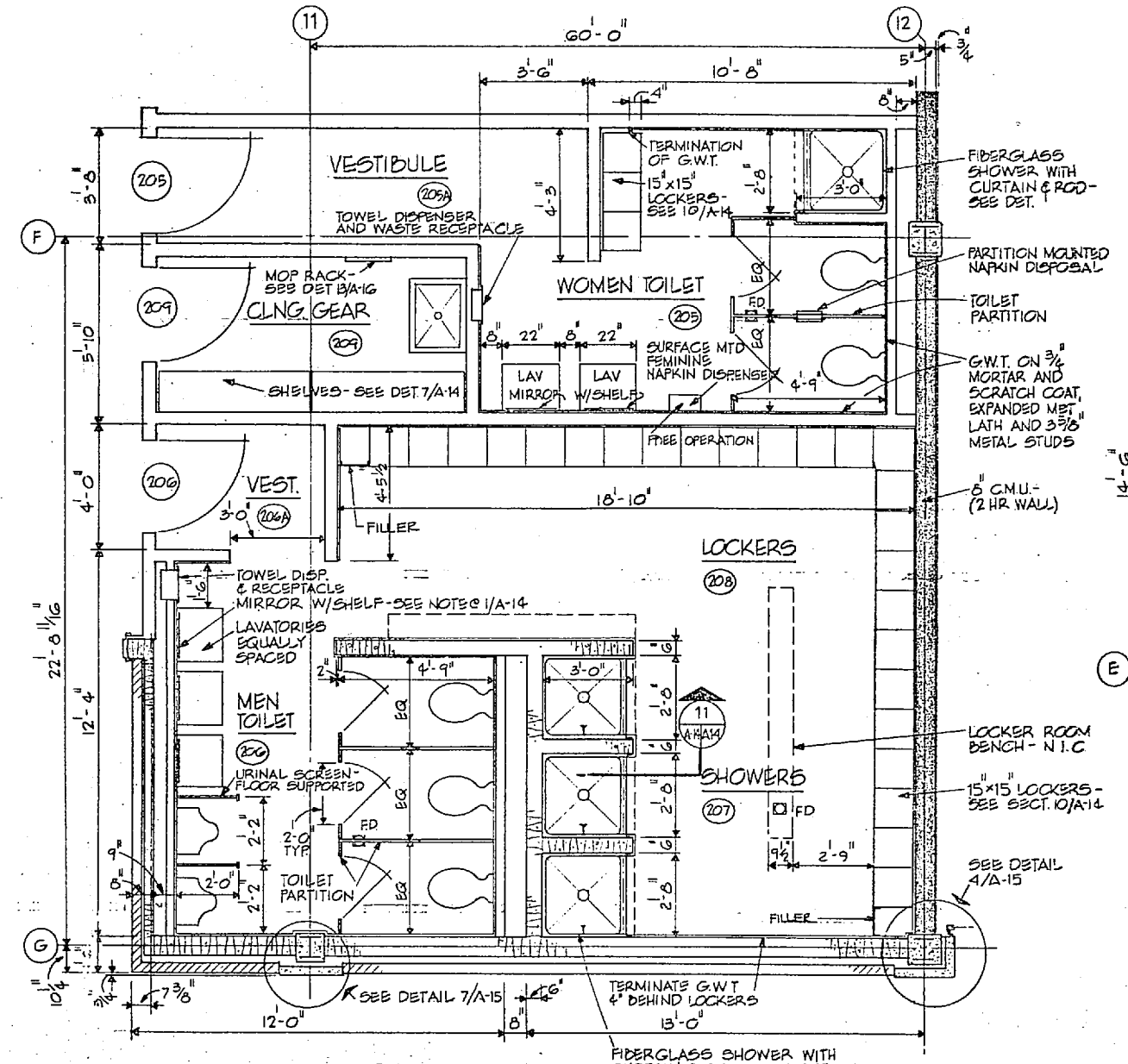
GRAPHIC SCALES  
 3/4" = 1'-0"  
 1/2" = 1'-0"

D . . . . P . . . . J

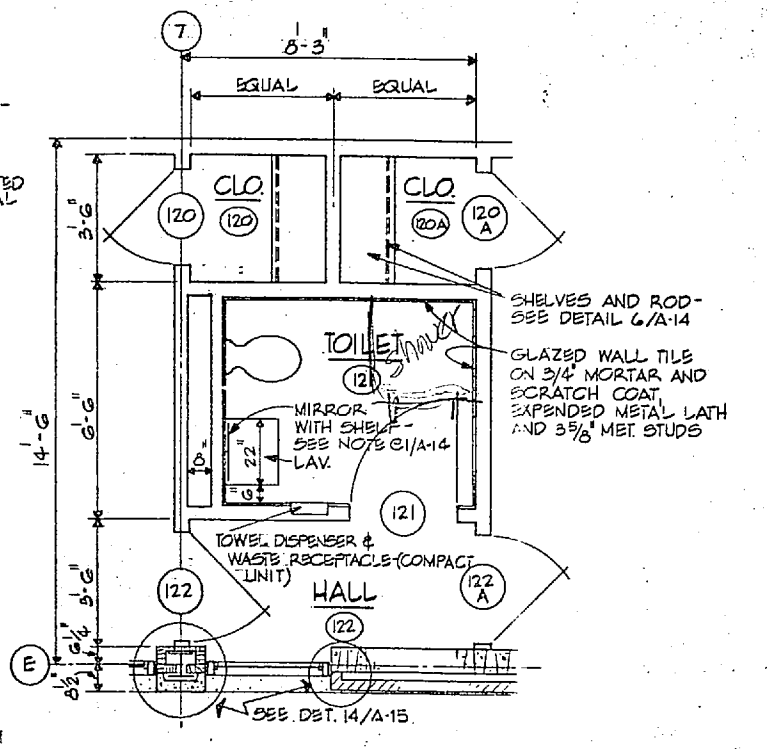
REVISIONS			
NO.	DESCRIPTION	PREP BY	DATE



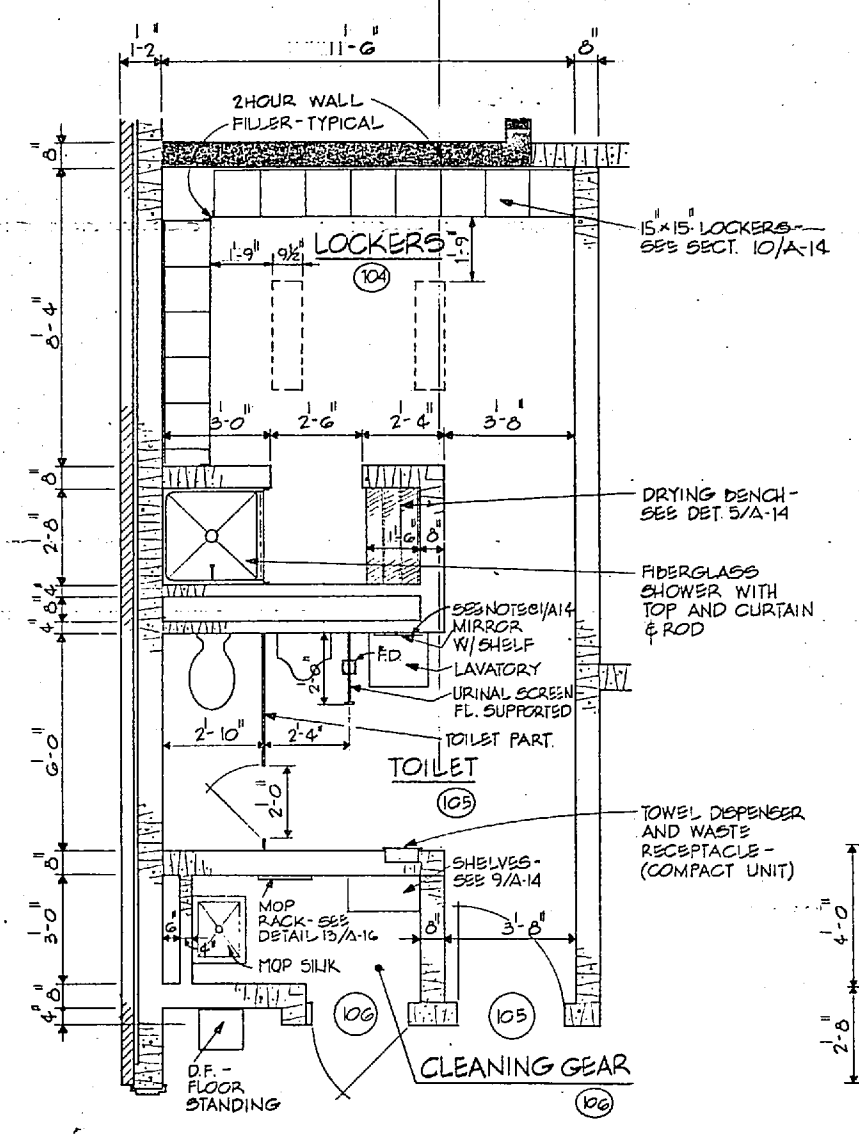
1 ENLARGED TOILET PLAN - ADMINISTRATION FACILITY  
3/8" = 1'-0"



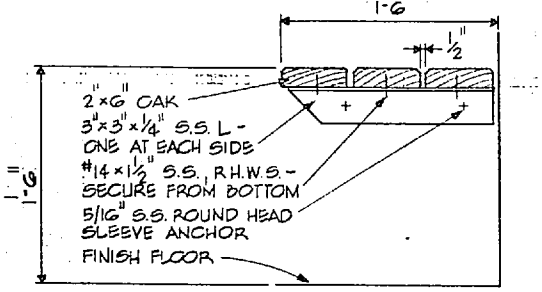
2 ENLARGED TOILET PLAN - COMBAT VEHICLE MAINTENANCE FACILITY  
3/8" = 1'-0"



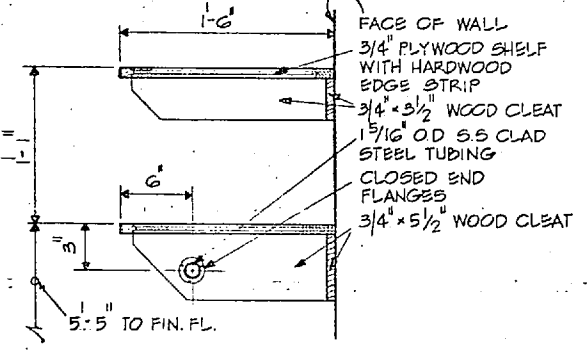
3 ENLARGED TOILET PLAN - ADMINISTRATION FACILITY  
3/8" = 1'-0"



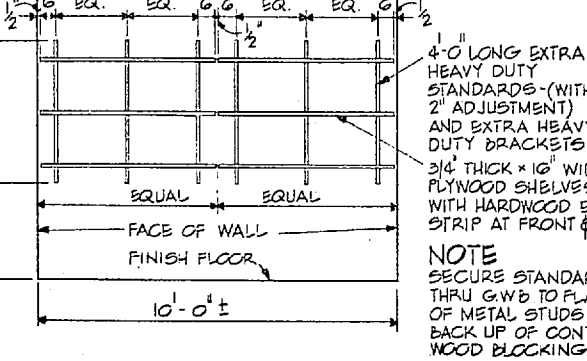
4 ENLARGED TOILET PLAN - REFUELER VEHICLE MAINTENANCE FACILITY  
3/8" = 1'-0"



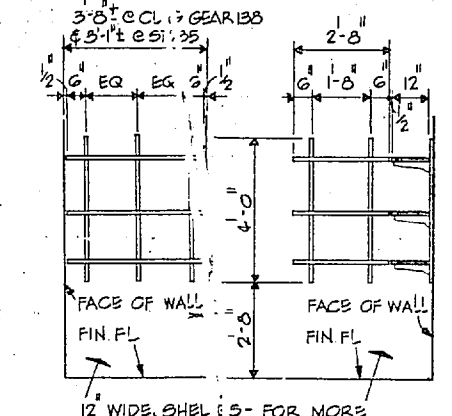
5 DETAIL OF DRYING BENCH LOCKERS 104  
REFUELER VEHICLE MAINT. FACILITY  
1/2" = 1'-0"



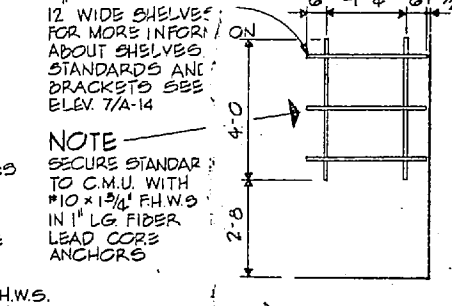
6 DETAIL OF SHELVES AT CLO 120 & 120A - ADMINISTRATION FACILITY  
1/2" = 1'-0"



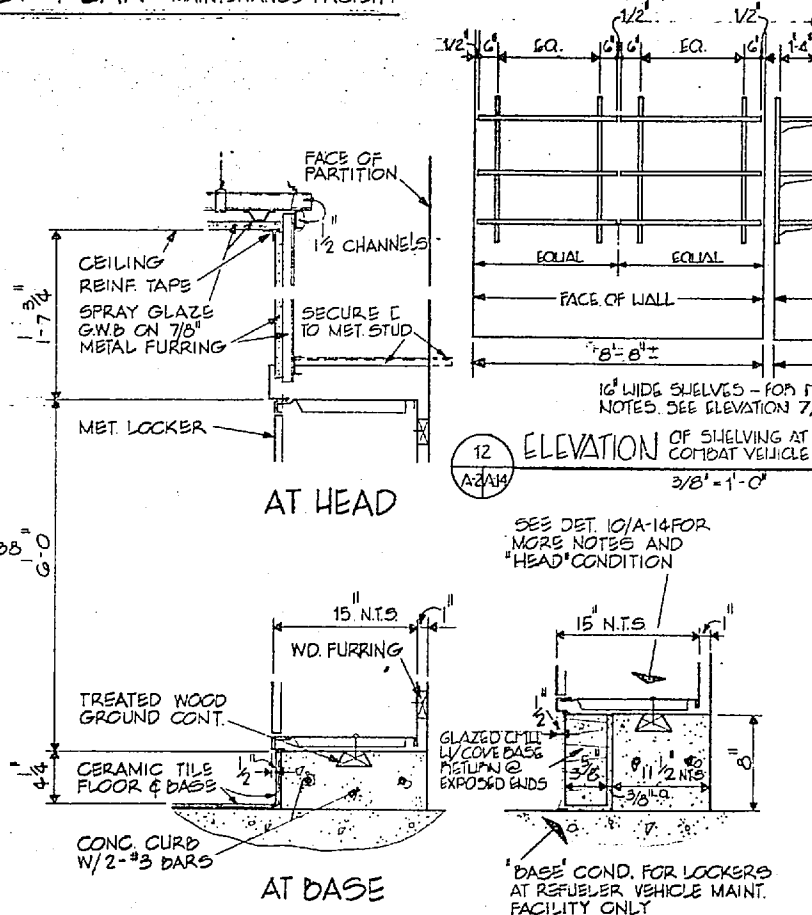
7 ELEVATION OF SHELVING AT CLEANING GEAR 209 - COMBAT VEHICLE MAINTENANCE FACILITY  
3/8" = 1'-0"



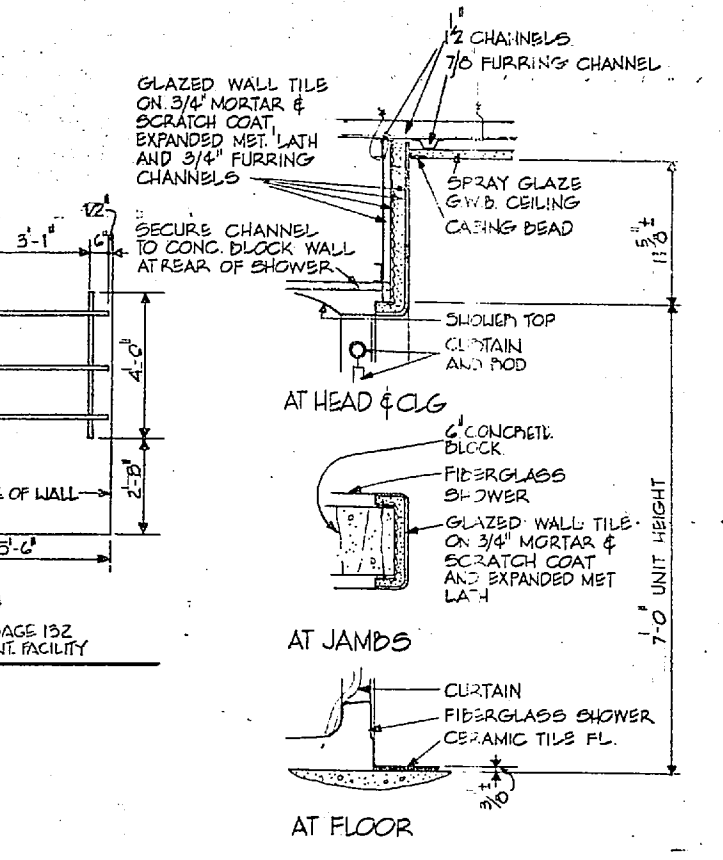
8 ELEVATION OF SHELVING - CLNG GEAR 131 & 130B5, ADM. FACILITY  
3/8" = 1'-0"



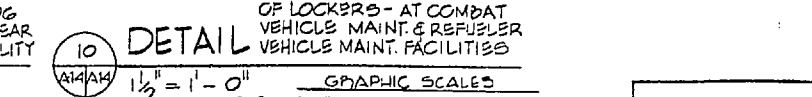
9 ELEVATION OF SHELVING - CLNG GEAR 106  
REFUELER VEHICLE MAINT. FACILITY  
1/2" = 1'-0"



12 ELEVATION OF SHELVING AT STORAGE 132  
COMBAT VEHICLE MAINT. FACILITY  
3/8" = 1'-0"



11 DETAILS THROUGH SHOWER STALL AT SHOWERS 207 - COMBAT VEHICLE MAINTENANCE FACILITY  
1/2" = 1'-0"

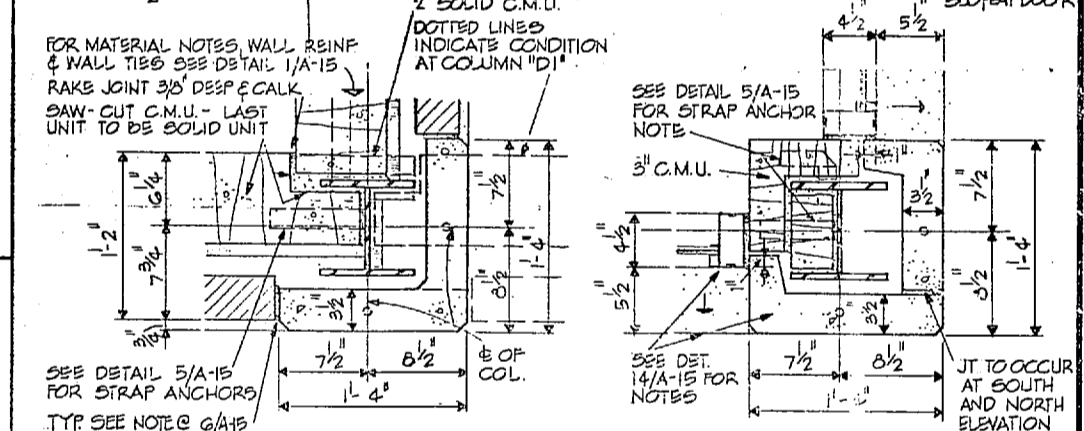
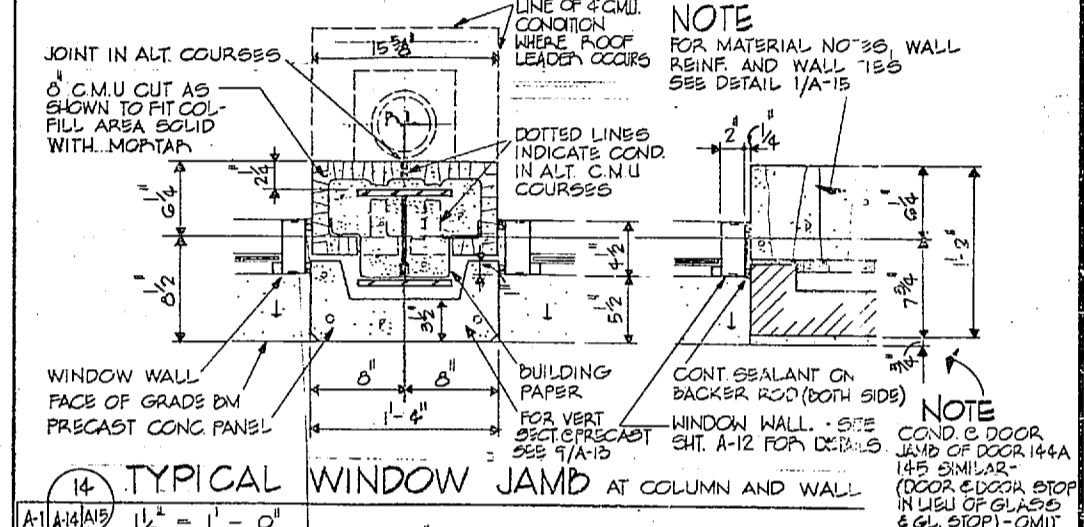
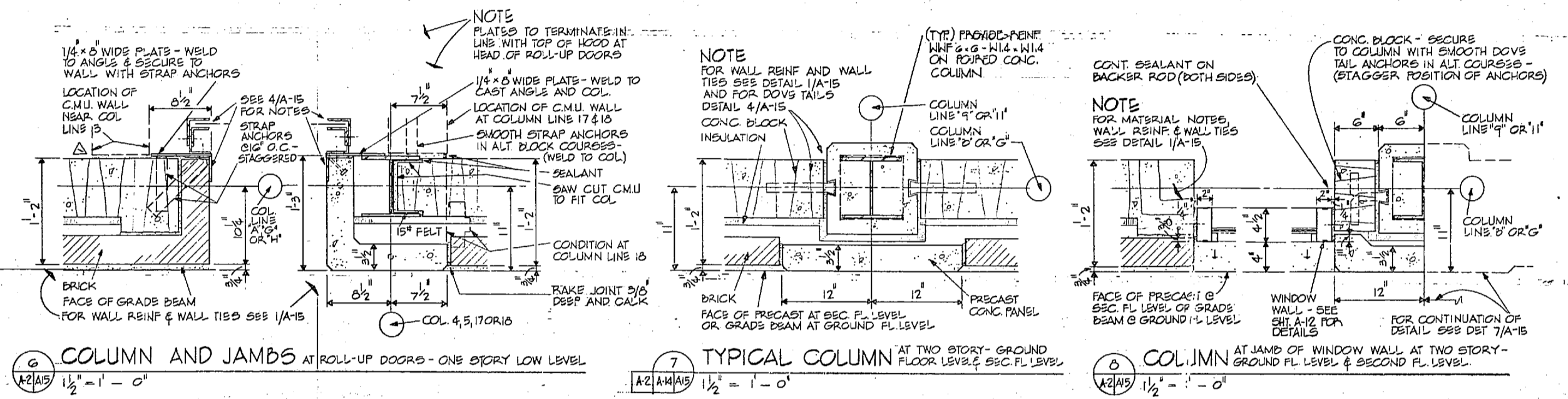
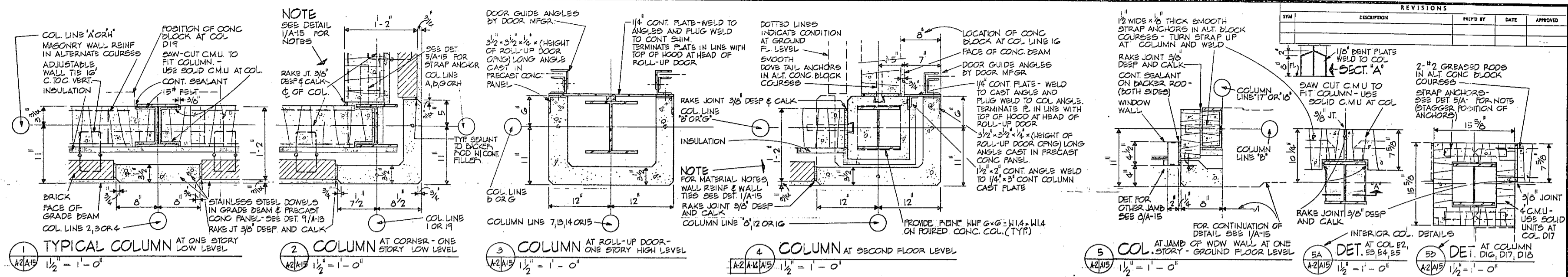


10 DETAIL OF LOCKERS - AT COMBAT VEHICLE MAINT. & REFUELER VEHICLE MAINT. FACILITIES  
1/2" = 1'-0"

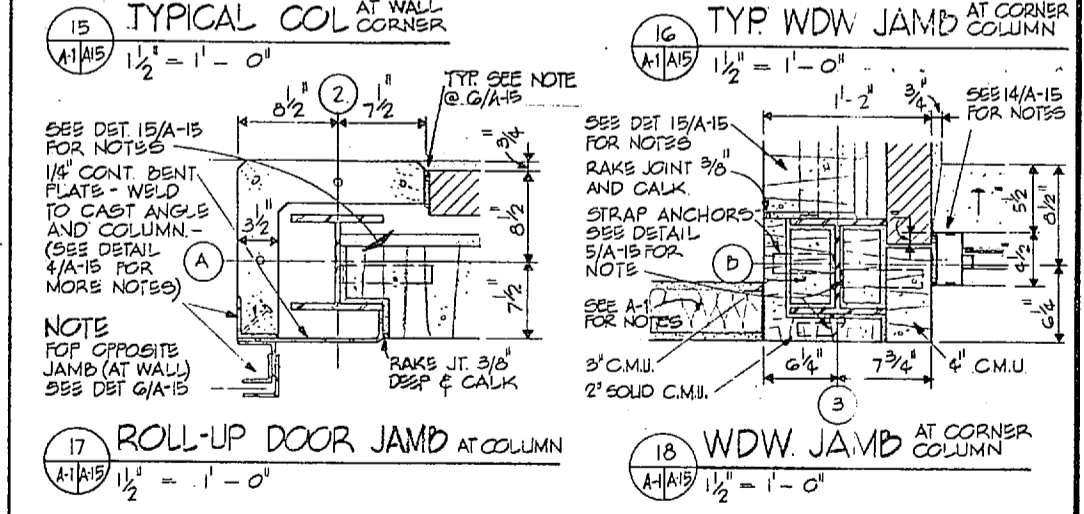
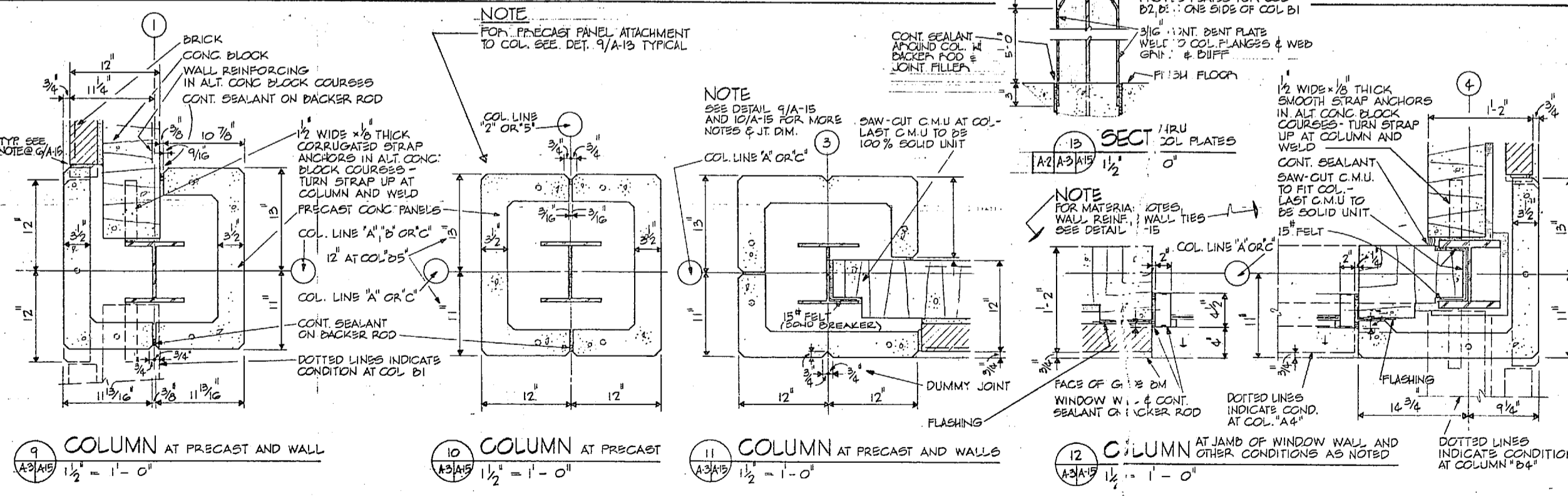
SATISFACTORY TO  
DATE 12/1/77

I. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION PORTFOLIO, VIRGINIA	
SEC. 0344		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
ENLARGED TOILET PLANS		NAVFAC DRAWING NO. 4039354	
APPROVED: [Signature]		SCALE: SPEC 05-77-1100 SHEET 19 OF 56	
DATE 12/1/77		CONSTR. CONTR. NO. N62470-77-B-1100	
EPO DWG. NO. 139 354			

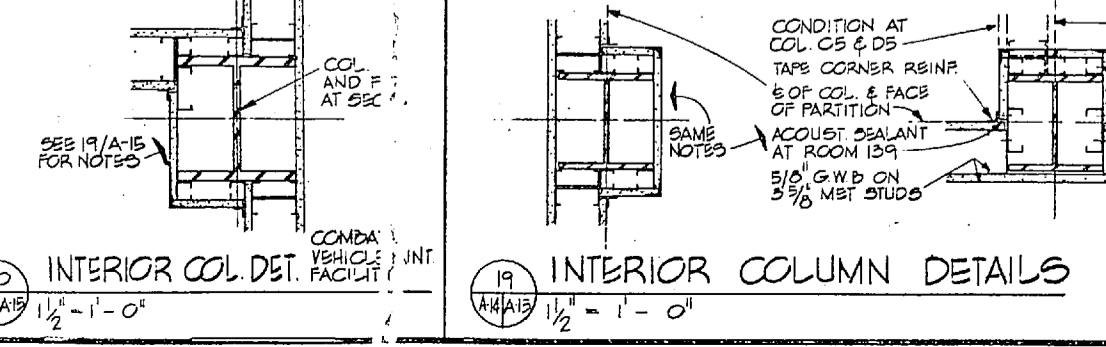
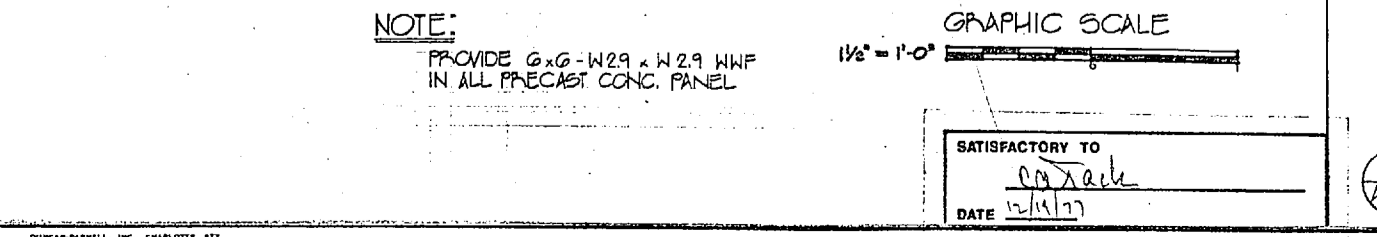




**EXTERIOR WALL COLUMN DETAILS COMBAT VEHICLE MAINTENANCE FACILITY**  
 SCALE AS SHOWN



**EXTERIOR WALL COLUMN DETAILS REFUELER VEHICLE MAINTENANCE FACILITY**  
 SCALE AS SHOWN



**EXTERIOR WALL COL. DETS. ADMINISTRATION FACILITY.**  
 SCALE AS SHOWN

**A-15**

J. N. PEASE ASSOCIATES ARCHITECTS-ENGINEERS-PLANNERS CHARLOTTE, NORTH CAROLINA

DEPARTMENT OF THE NAVY NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA

DESIGNER: J. N. PEASE ASSOCIATES  
 PROJECT: COMBAT VEHICLE MAINTENANCE FACILITY  
 SHEET: EXTERIOR WALL COLUMN DETAILS  
 DRAWING NO: 4039355  
 CONSTRUCTION NO: N62470-TT-B-7100  
 SHEET NO: 20 OF 50

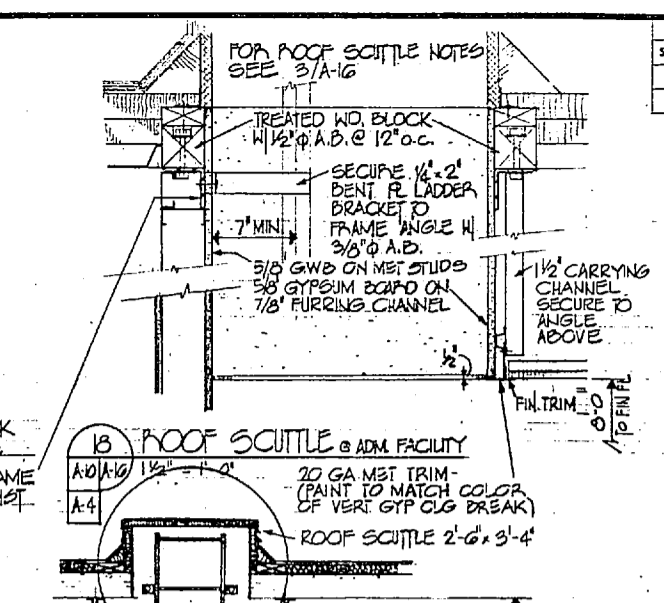
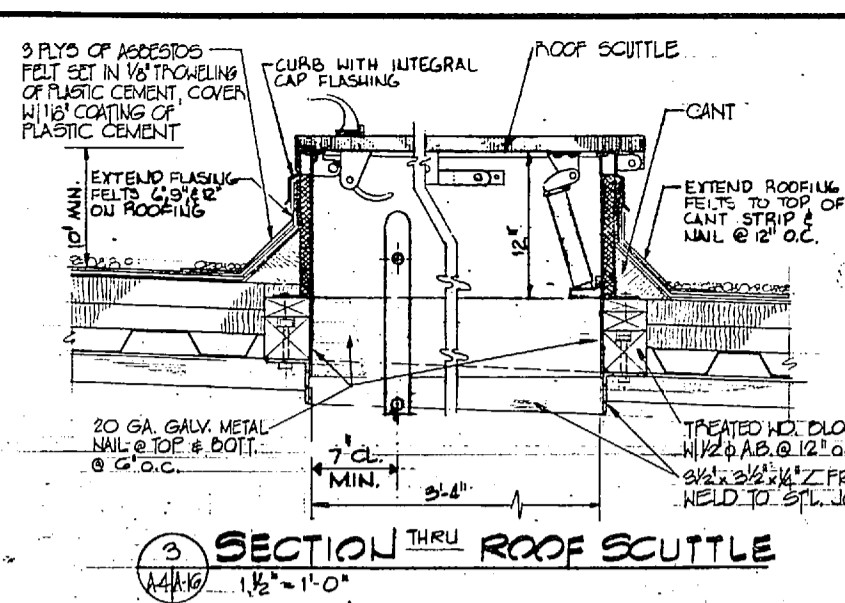
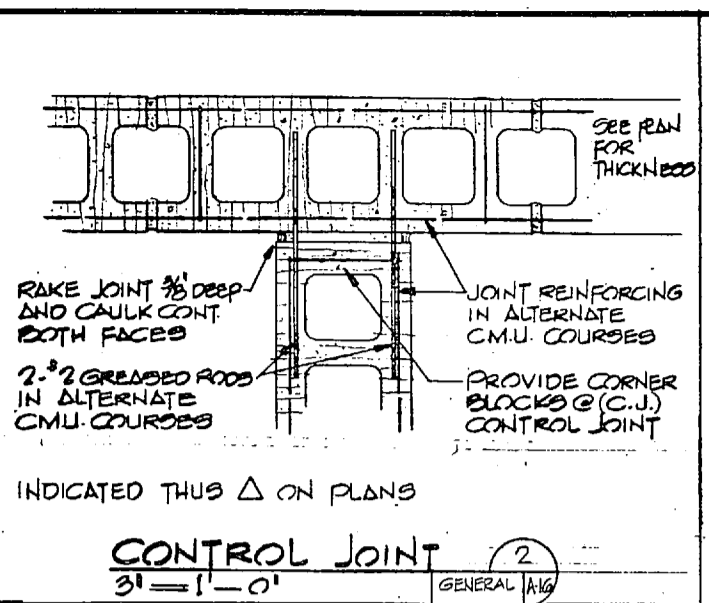
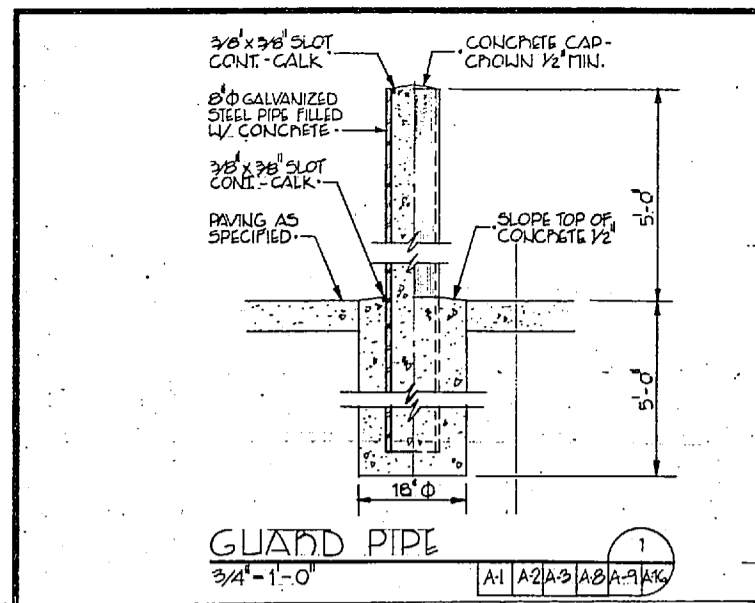
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 CHECKED: [Signature] DATE: 12/11/73

FOR INFO FOR COMMANDER, NAVFAC

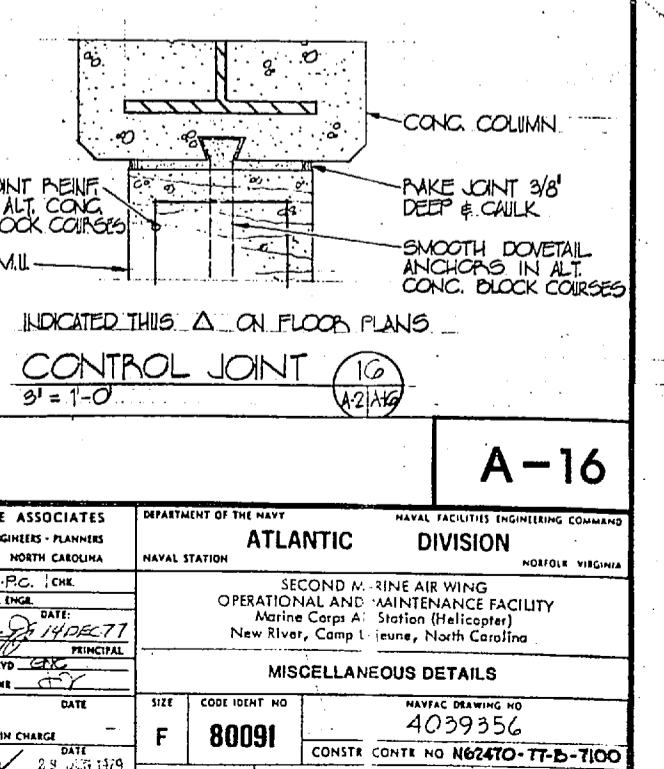
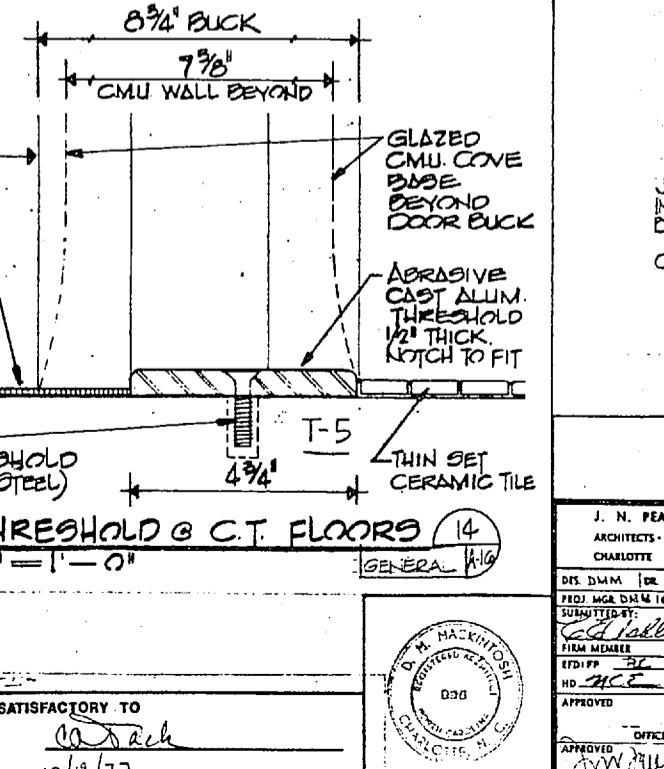
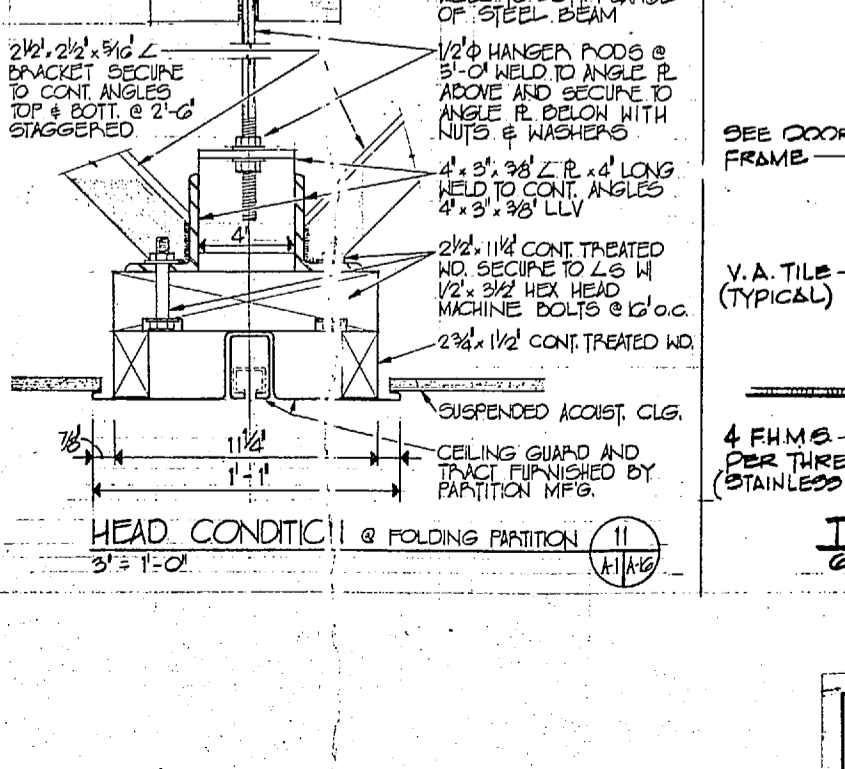
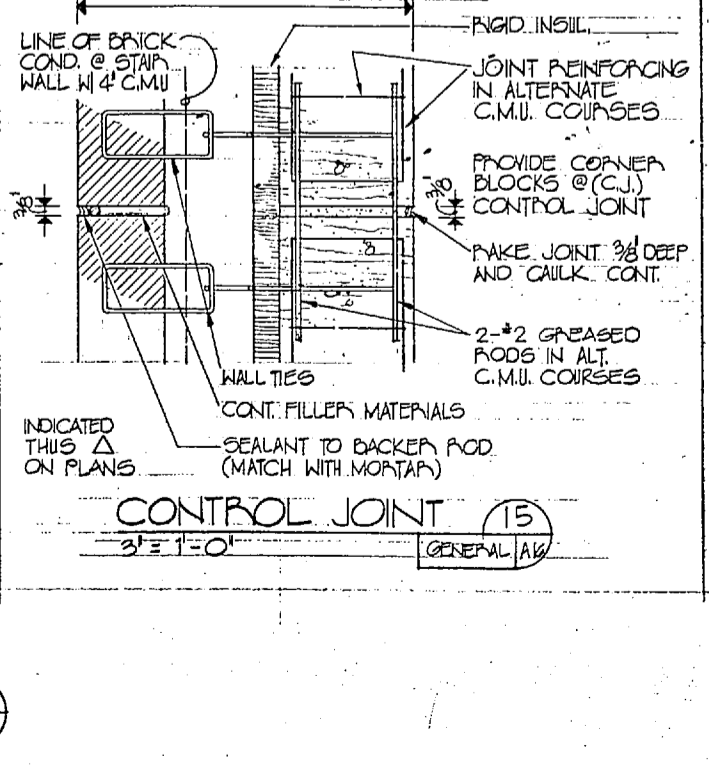
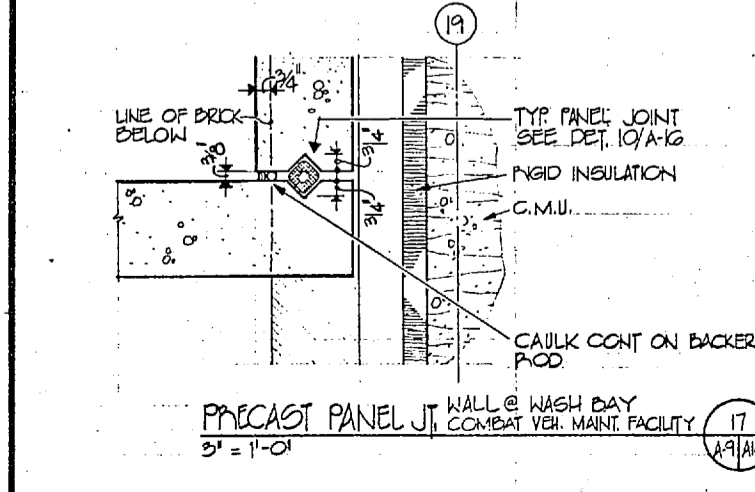
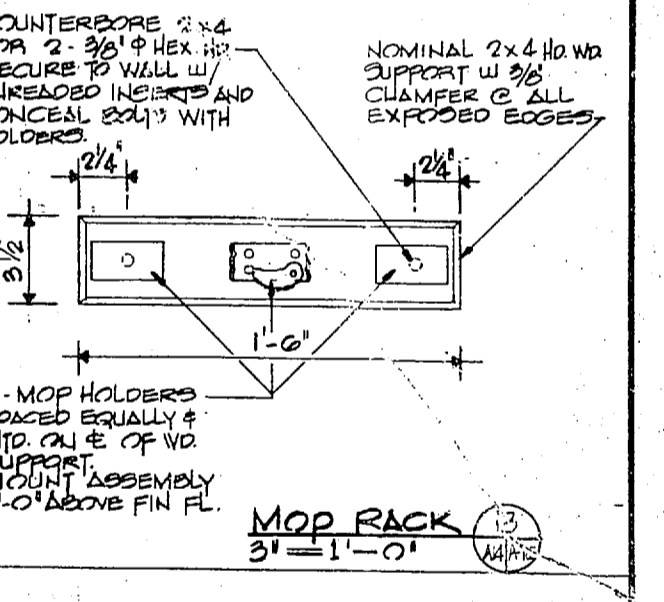
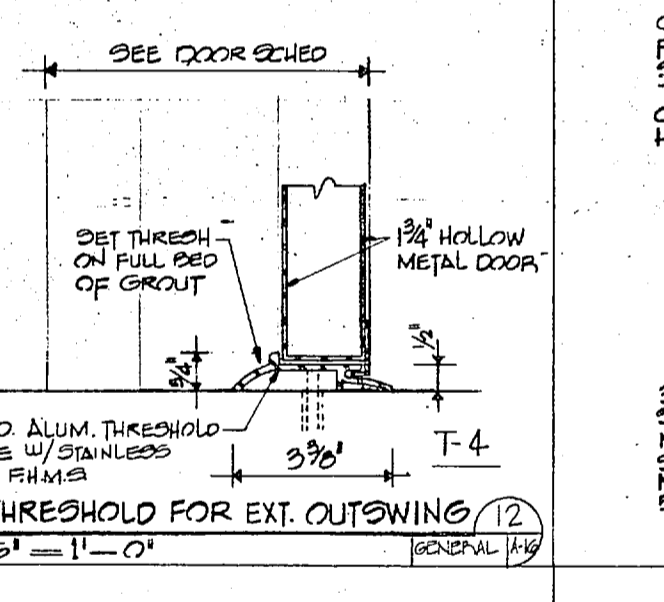
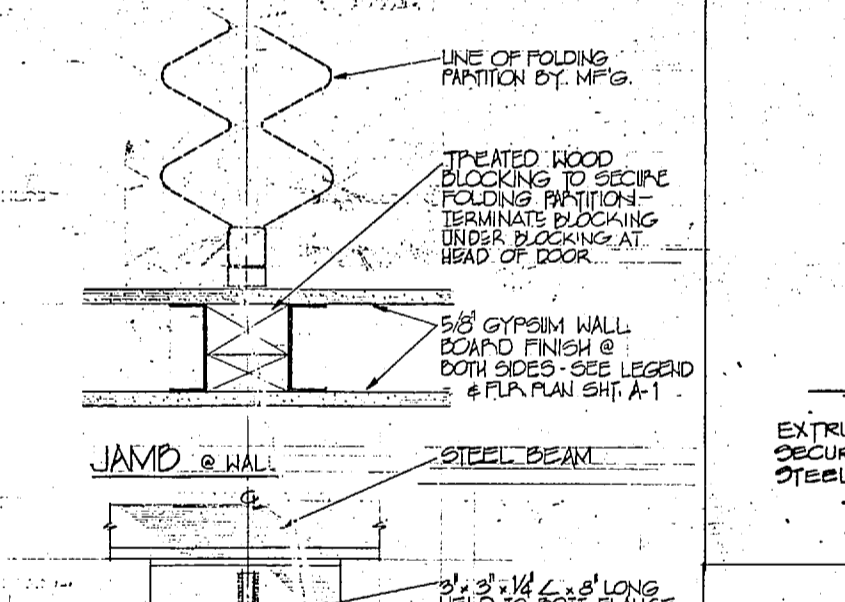
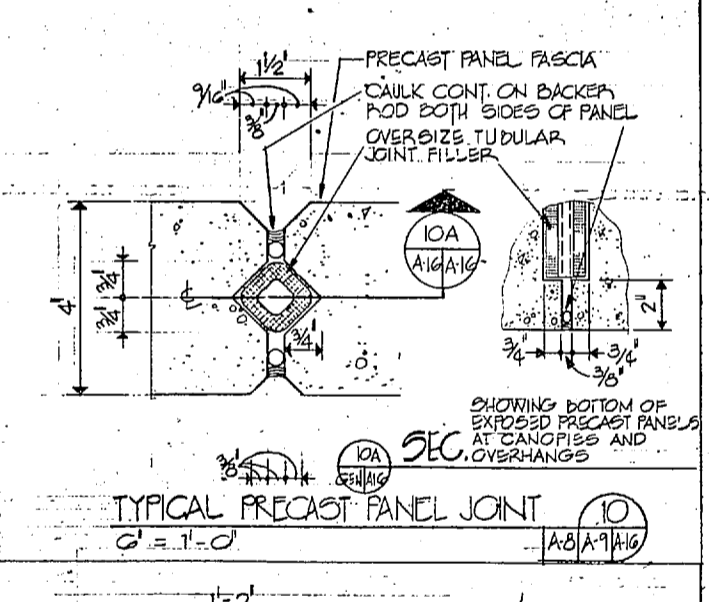
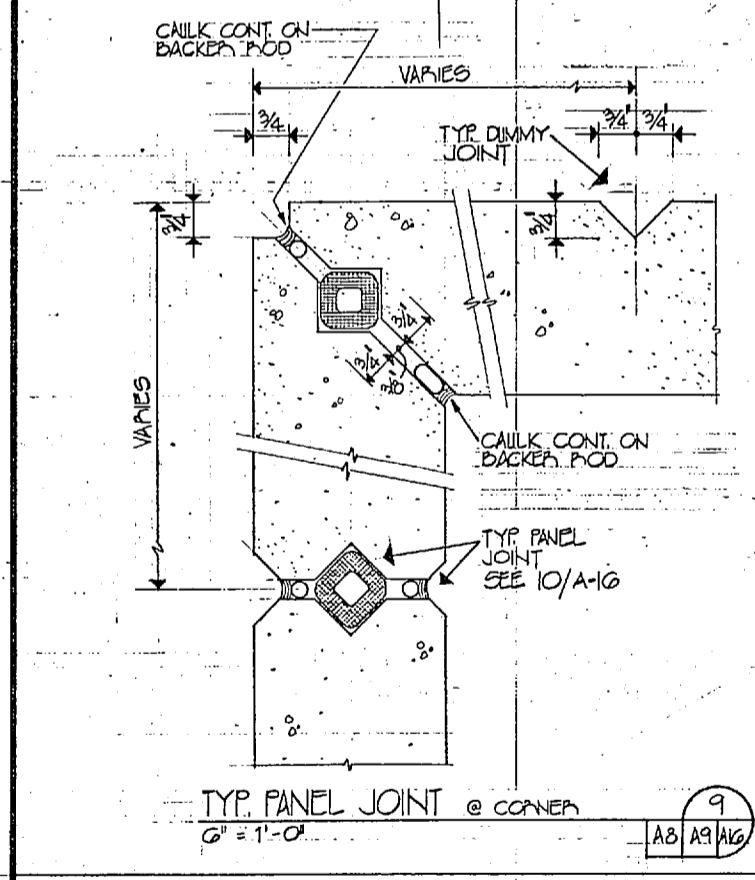
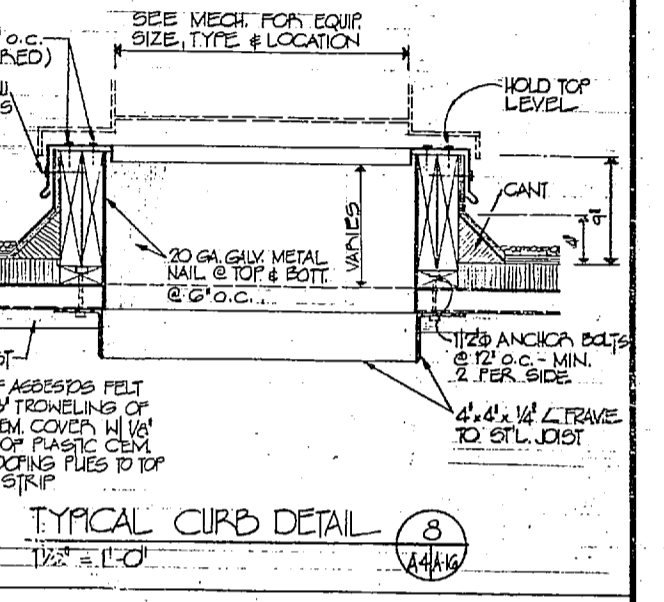
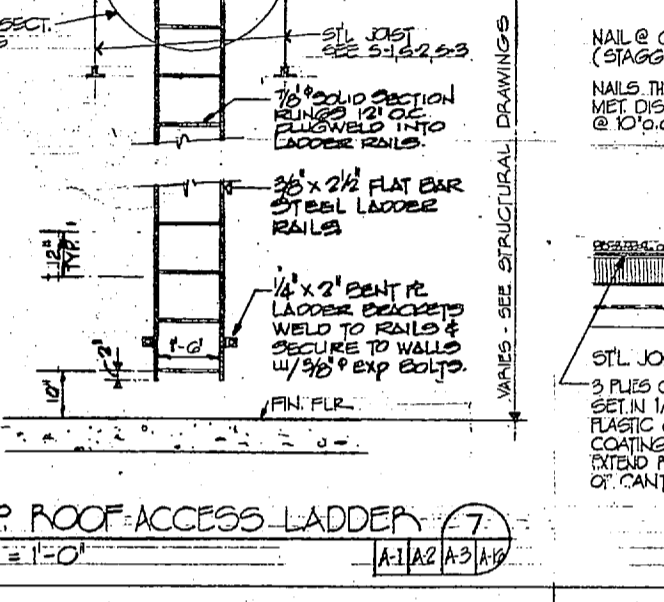
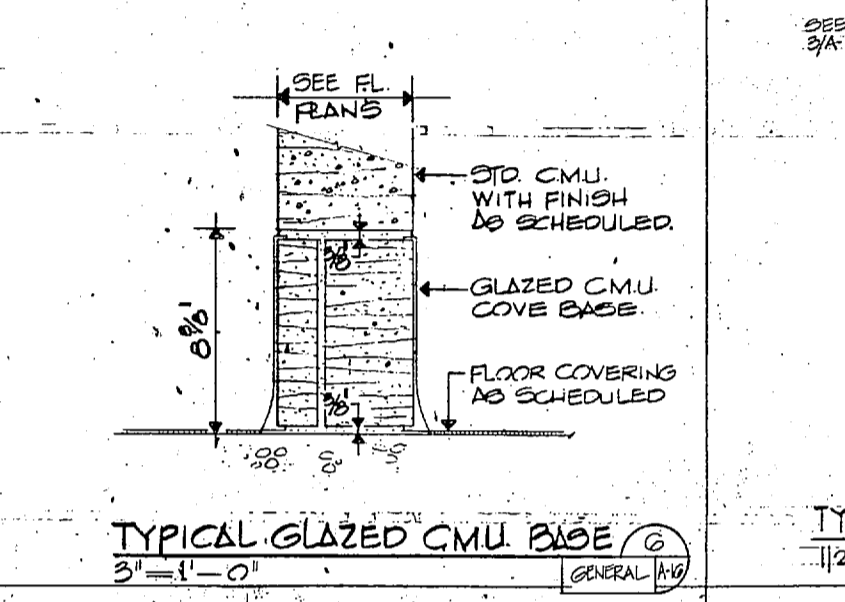
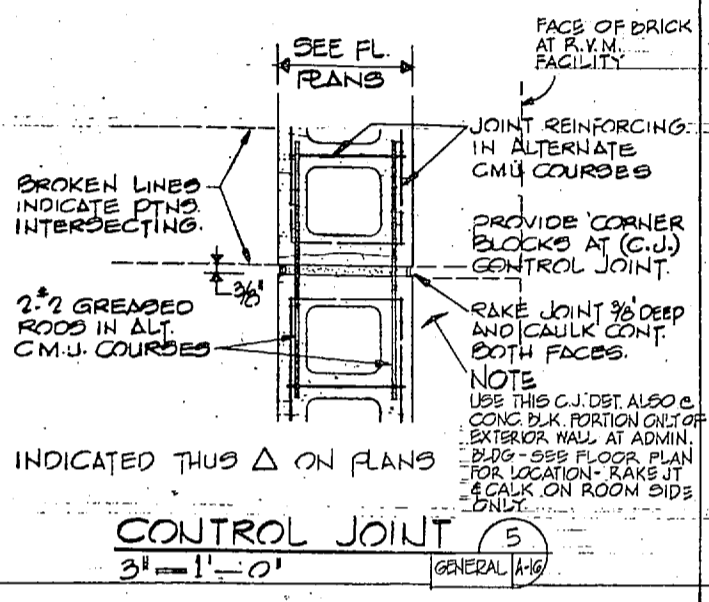
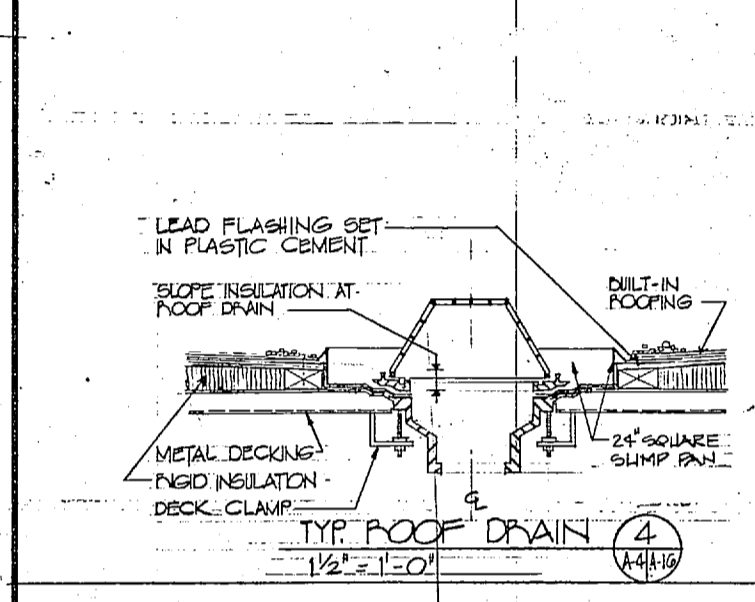
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REVISIONS			
SYM.	DESCRIPTION	PREP'D BY	DATE



SATISFACTORY TO  
*[Signature]*  
DATE 12/17/77

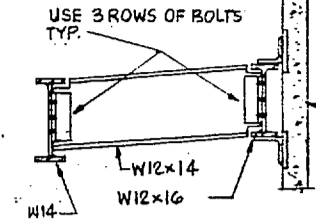
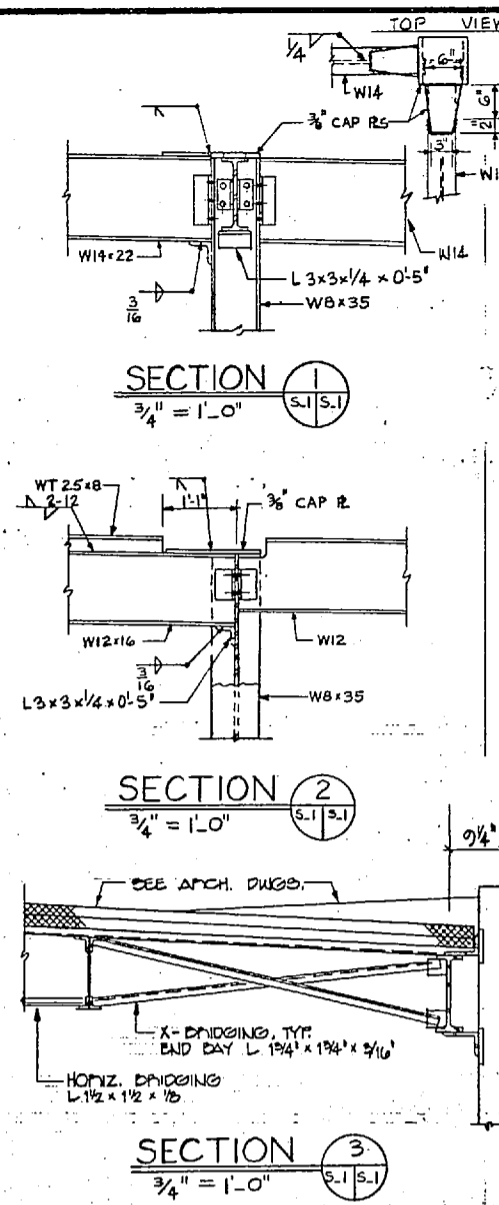
J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NORFOLK VIRGINIA	
DES. DRAWN BY: [Signature] CHECKED BY: [Signature] DATE: 11/27/77	PROJECT: SECOND AVIATION AIR WING OPERATIONAL AND MAINTENANCE FACILITY Naval Air Station (Helicopter) New River, Camp Lejeune, North Carolina	SIZE: 80091	NAVFAC DRAWING NO: 4039356
MISCELLANEOUS DETAILS		CONTRACT NUMBER: N62470-TT-B-7100	
APPROVED BY: [Signature] DATE: 12/21/77		SCALE: 1/4" = 1'-0"	

A-16

139356

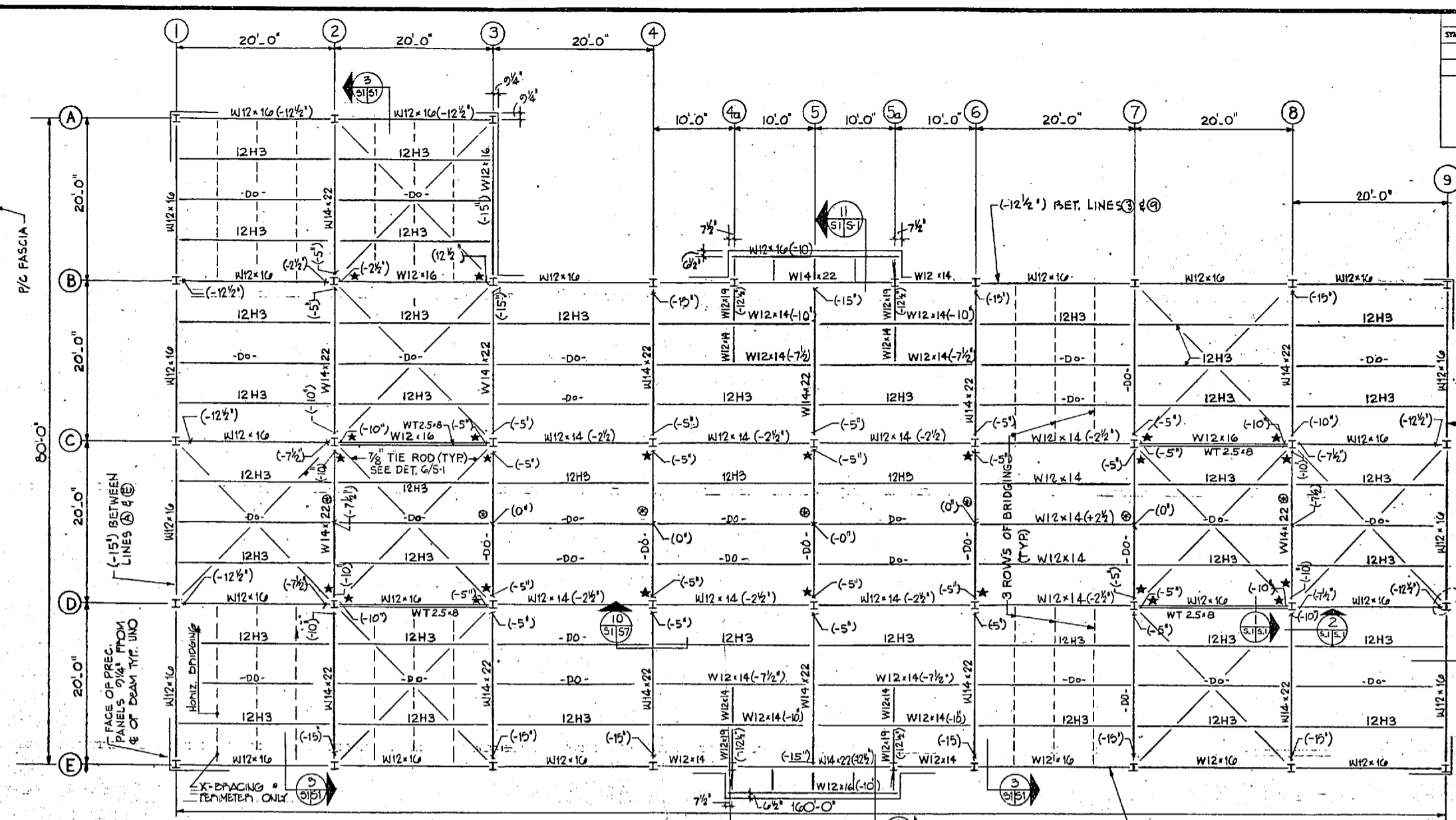
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4/14 - 2A

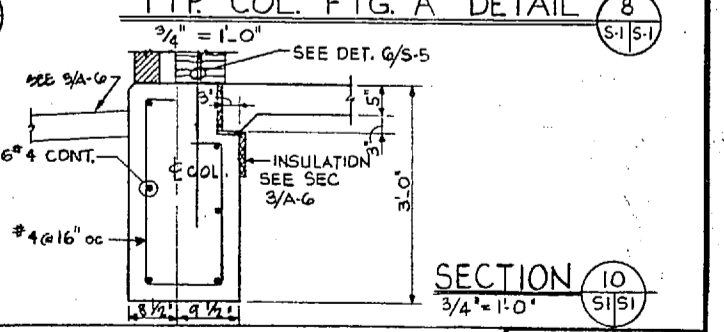
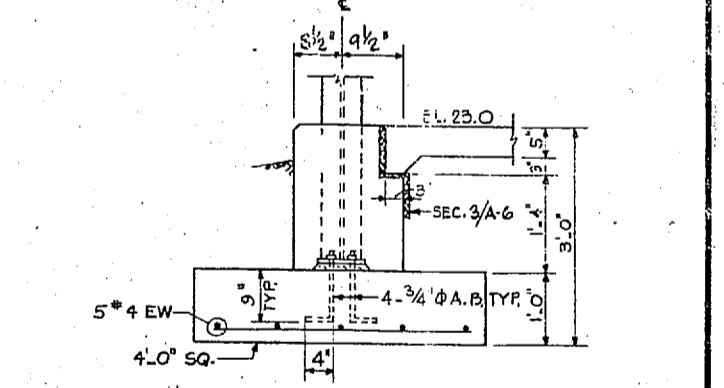
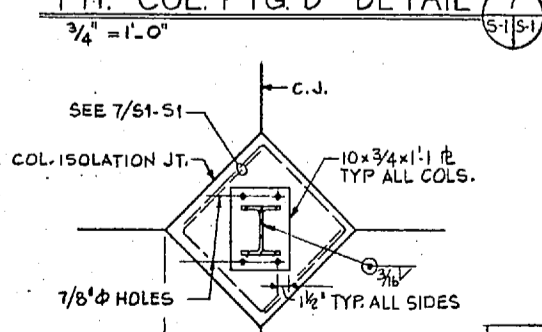
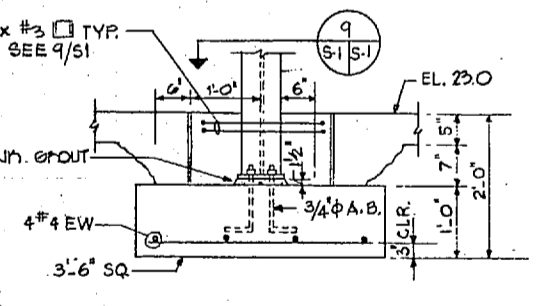
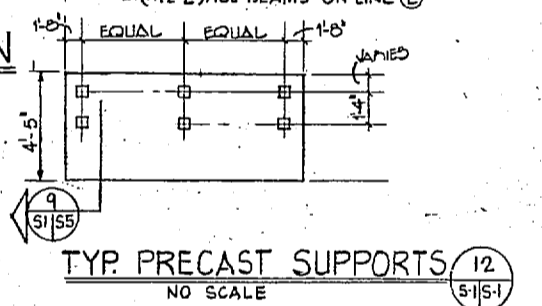
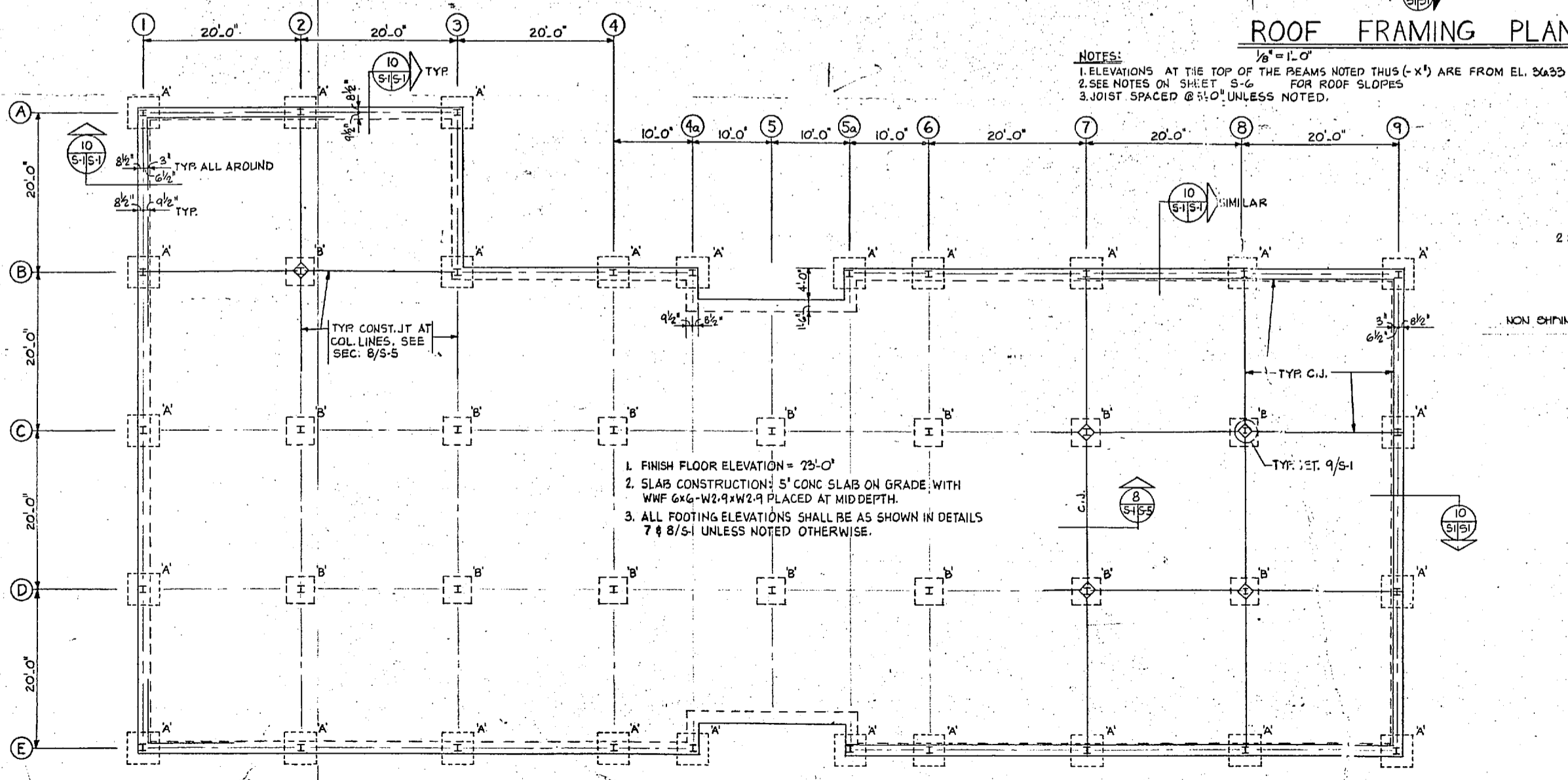
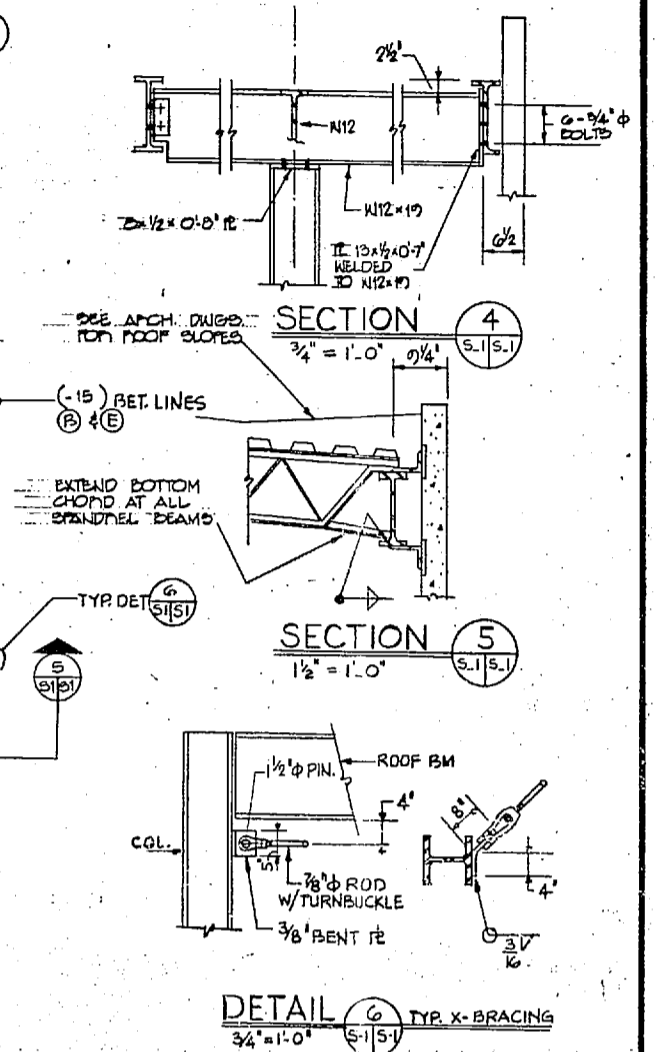


\* DENOTES BEAM-COLUMN MOMENT CONNECTION SIM. TO SECTION 1 & 2/S.1.

⊙ DENOTES BEAM BENT BY CUT AND WELD IN SHOP. SEE DETAIL 3/S-6

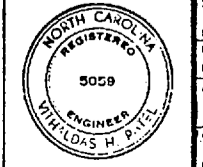
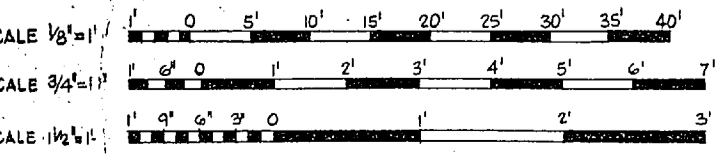


REV.	DESCRIPTION	PREP BY	DATE	APPROVED



SATISFACTORY TO  
DATE 10/14/77

**FOUNDATION AND FIRST FLOOR PLAN**  
1/8" = 1'-0"

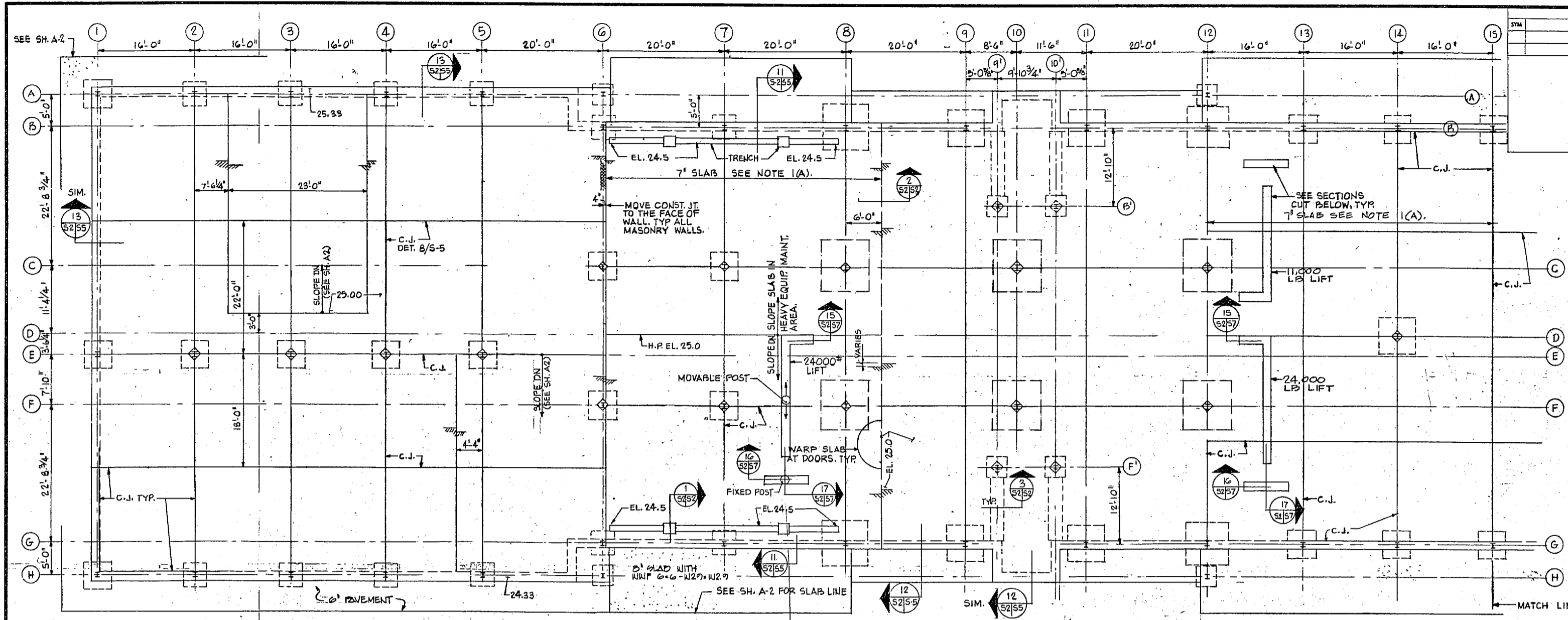


<b>J. N. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE, NORTH CAROLINA		<b>DEPARTMENT OF THE NAVY</b> NAVAL FACILITIES ENGINEERING COMMAND NAVAL STATION	
PROJECT: OPERATIONAL AND MAINTENANCE FACILITY Merina Corp Air Station (Helicopter) New River, Camp Lejeune, North Carolina		DIVISION: ATLANTIC	
DRAWING NO.: 4039358		ADMIN BLDG - FLOOR PLANS & DETAILS	
CONTRACT NO.: N62470-TT-B-7100		SCALE: 1/8" = 1'-0"	

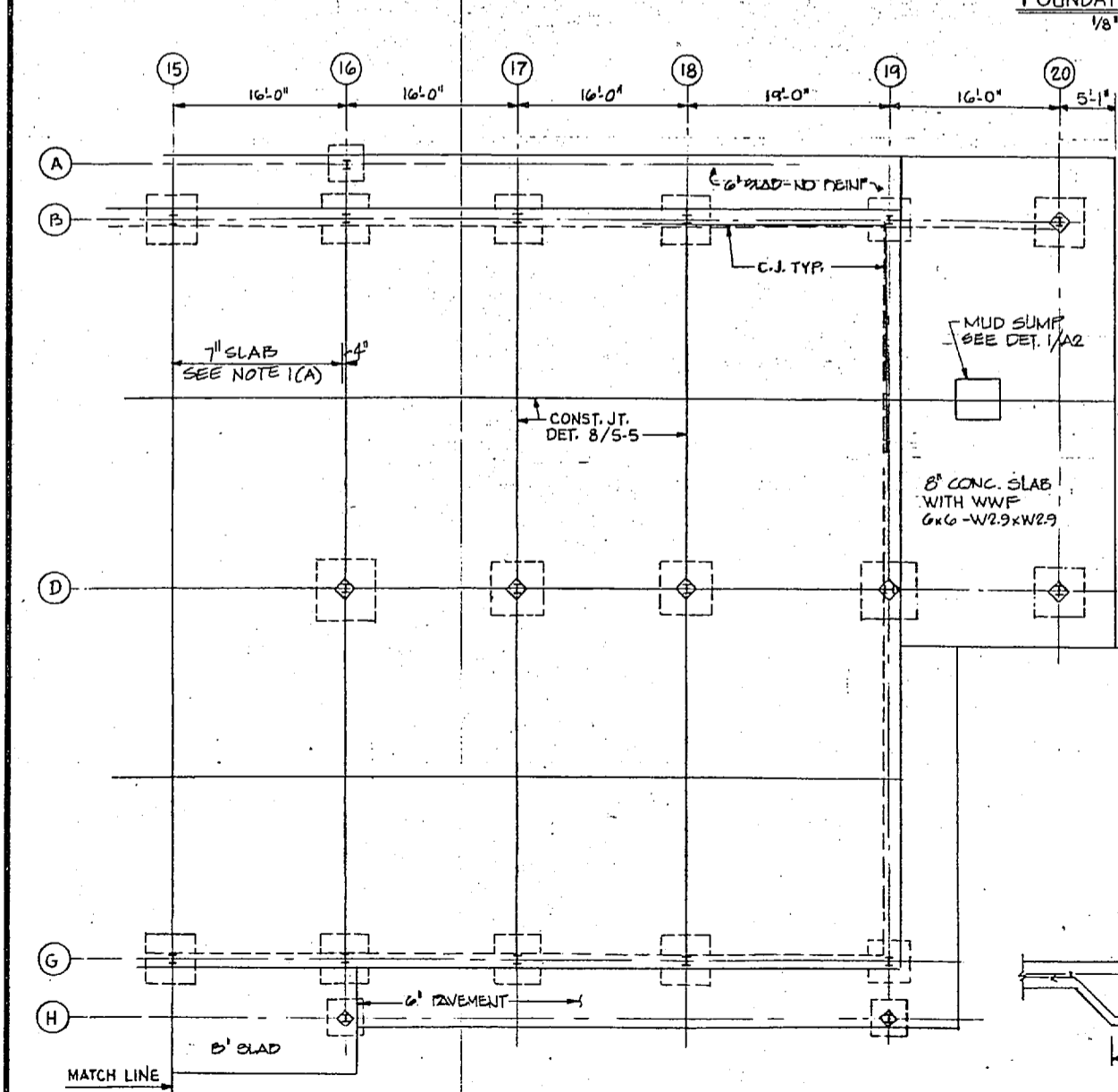
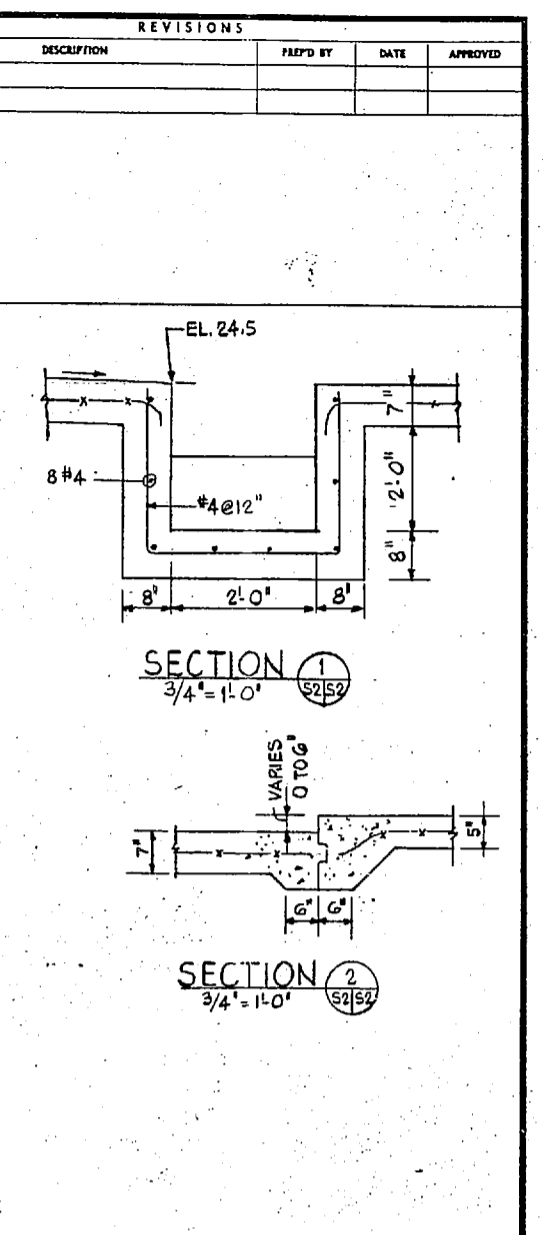
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EFG DWG. NO. 139358





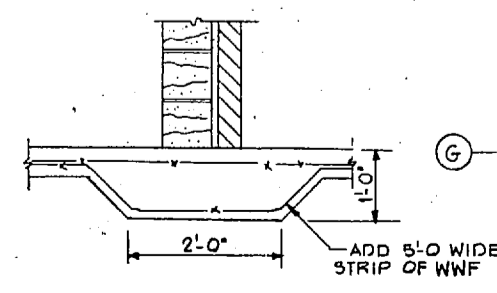
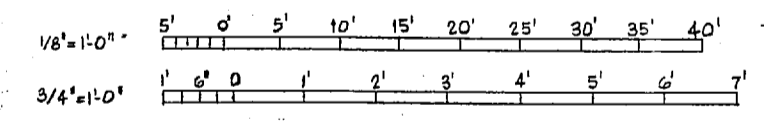
FOUNDATION AND FIRST FLOOR PLAN  
1/8" = 1'-0"



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

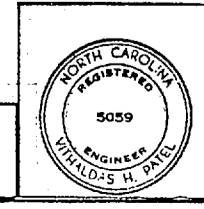
- FIRST FLR. & FOUNDATION NOTES:**
- FLOOR CONSTRUCTION:  
(A) BETWEEN LINES @ 4 @ 6'-0" & @ 4 @ 2' : 7" REINF. CONCRETE (3000 PSI) SLAB.  
(B) REMAINING SLAB: 5" SLAB OF 3000 PSI CONC. USE WWF 6x6-W2.9xW2.9 IN THE MIDDLE THIRD OF 5' & 7' SLABS.
  - FINISHED FLOOR ELEV. = 25.0 UNLESS NOTED THUS (-x')
  - TOP OF FOOTINGS AT ELEV. = 24.0 FOR INTERIOR FOOTINGS  
EL. = 23.0 FOR EXTERIOR FOOTINGS (ON LINES 1, 14, A, B, G, H, 20)
  - SEE SH. 5-5 FOR FOOTING SCHEDULE

- SECOND FLOOR NOTES:**
- FINISHED FLOOR ELEVATION = 26.67
  - FLOOR CONSTRUCTION: 3 1/2" REGULAR STONE CONC. ON 2" DEEP COMPOSITE METAL DECK, 20 GAUGE. TOTAL SLAB THICKNESS = 5 1/2". DECK I = .4 IN<sup>2</sup>, S<sub>L</sub> = .89 IN<sup>2</sup>, S<sub>T</sub> = .36 IN<sup>3</sup>
  - SPRAY ALL BEAMS FOR 3 HR UL RATED FIRE PROOFING, NUMBERS THUS (1) AFTER BEAM SIZE INDICATE NO. OF 3/4" Ø STUDS APPLIED TO THAT BEAM (SEE NOTE 20 ON S-5)
  - THIS STRUCTURE IS DESIGNED AS NON SHORED CONSTRUCTION BEAMS SHALL NOT BE SHORED DURING CONC. POUR, FLOOR SLAB SHALL BE SCREED LEVEL. ACTUAL SLAB THICKNESS MAY VARY AND BE MORE THAN 5/8" DUE TO BEAM DEFLECTION.
  - ENDS OF BEAMS MARKED THUS \* HAVE TYPE 2 CONNECTIONS. SEE DET. 16/53/56
  - REINFORCE SLAB WITH WWF 6x6-W2.1xW2.1. PLACE 1/2" FROM TOP. SEE PLAN FOR MORE REINF.



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

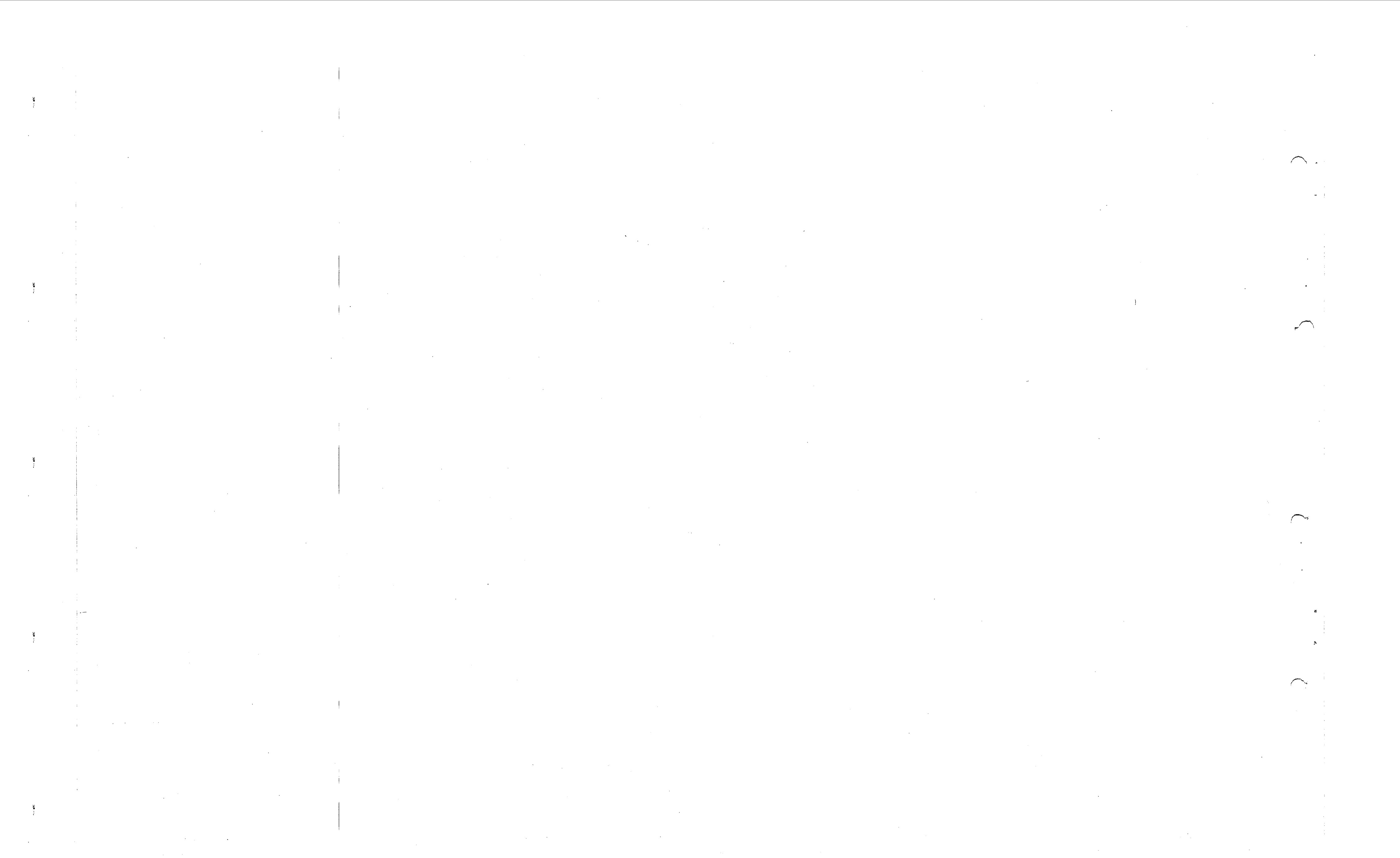
SATISFACTORY TO  
*Adach*  
DATE 12/19/77



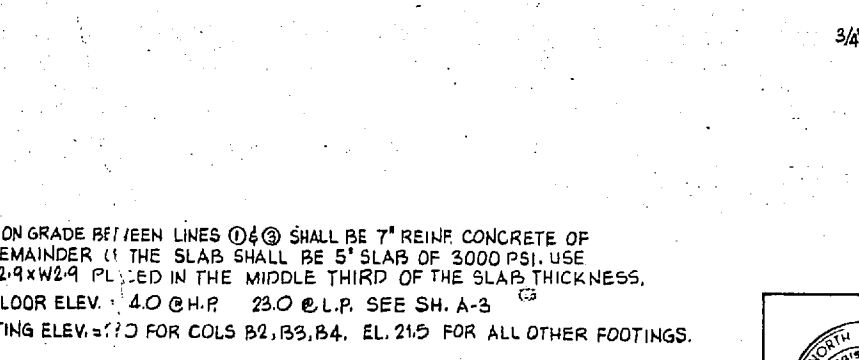
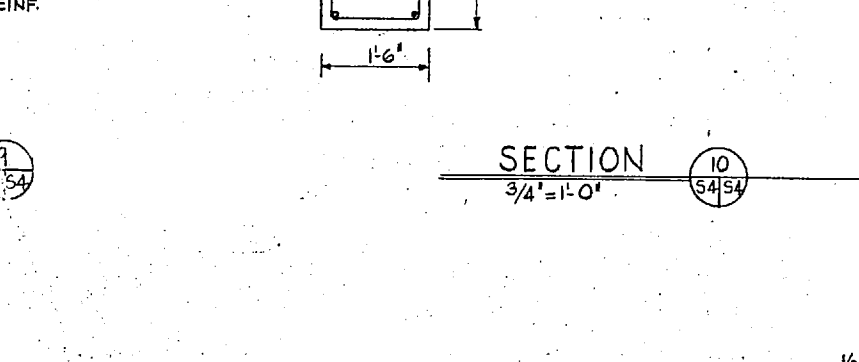
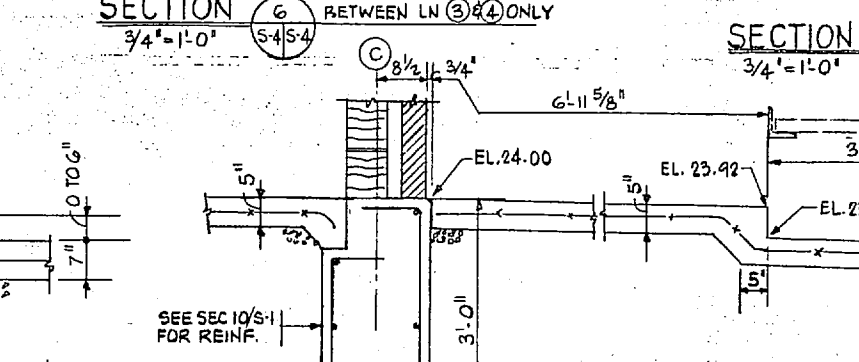
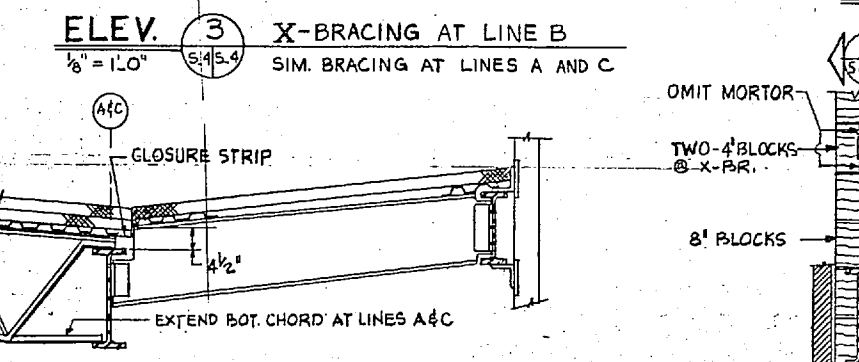
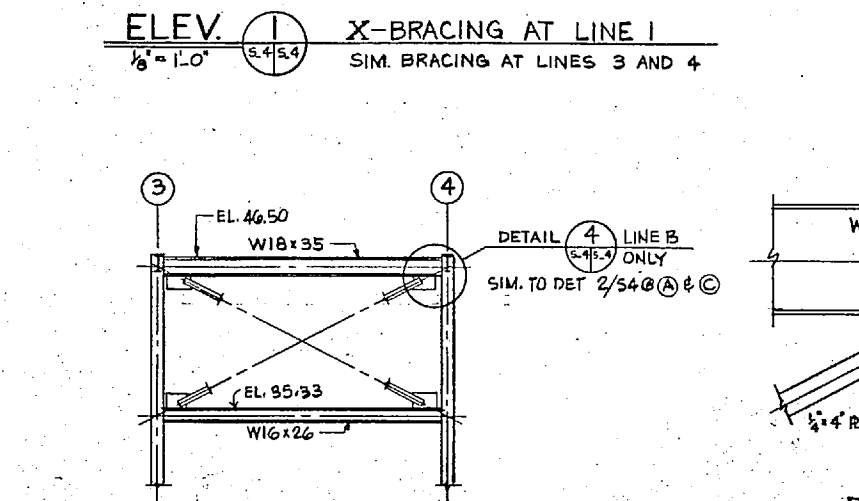
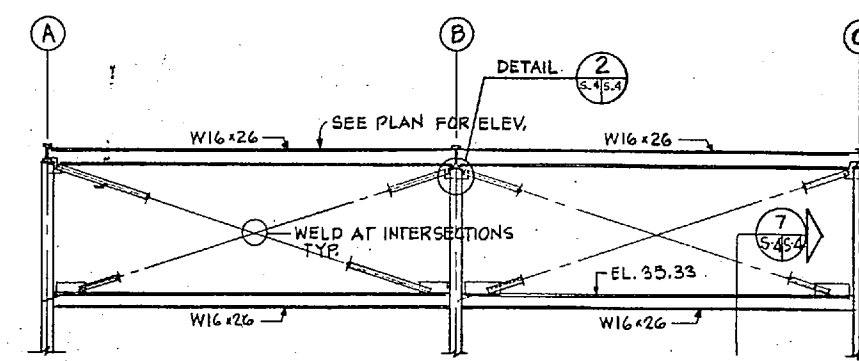
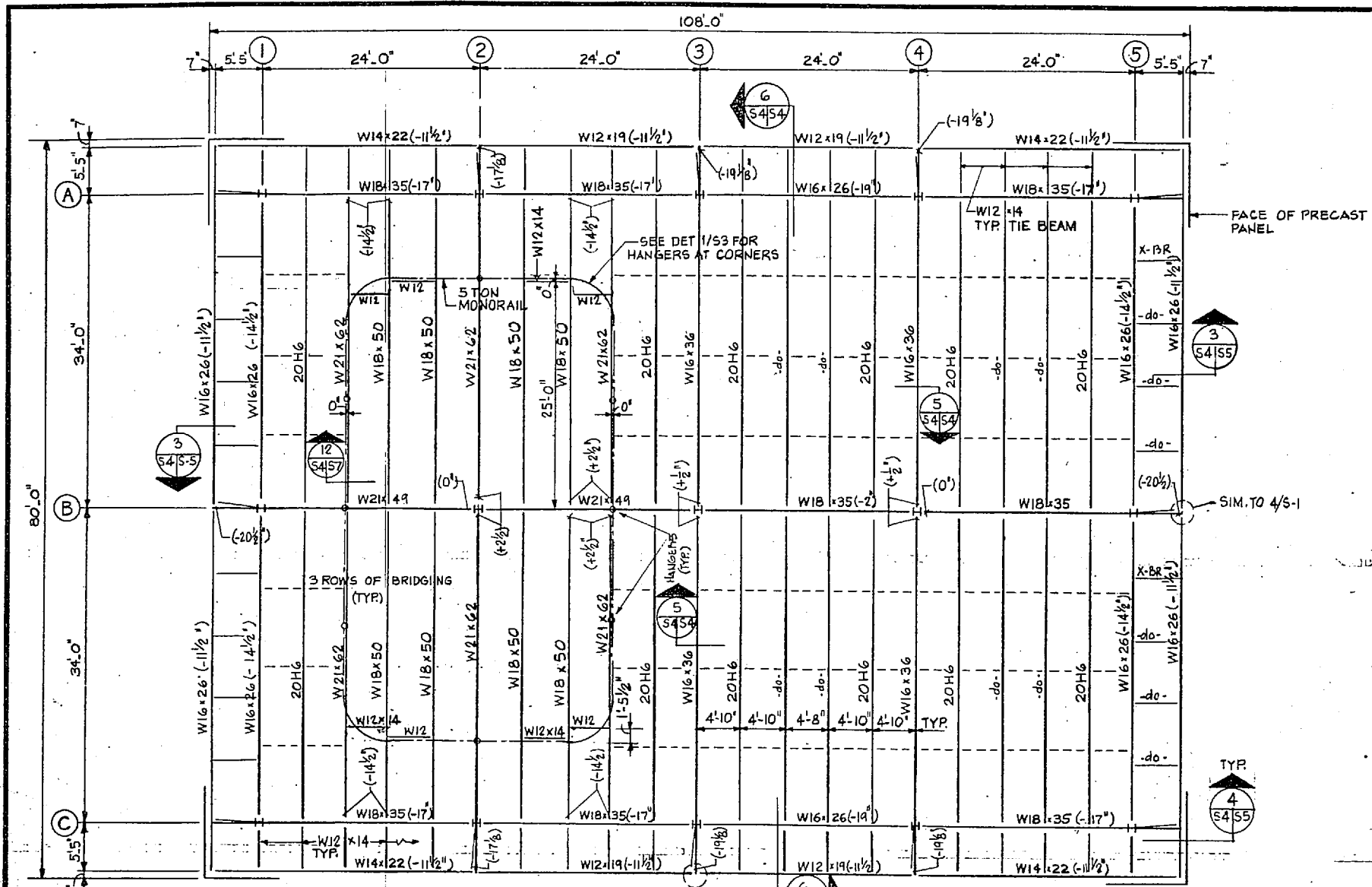
<b>J. N. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE, NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION NORFOLK, VIRGINIA	
DEL. V.I.P. NO. _____ TITLE: ARCH. ENGR. / CIVIL ENGR. SUBMITTED BY: <i>[Signature]</i> DATE: 11/22/77 DRAWN BY: <i>[Signature]</i> DATE: 11/22/77 CHECKED BY: <i>[Signature]</i> DATE: 11/22/77 NO. 1077		<b>COMBAT VEH. MAINT. FACILITY - FOUNDATION PLAN</b> SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
APPROVED: <i>[Signature]</i> DATE: 12/19/77 OFFICER IN CHARGE	SIZE: F COORDINATE NO: 80091	NAVY DRAWING NO: 4099359 CONSTR. CONTR. NO: NG24-TO-TT-B-7100	SHEET 24 OF 36 EFD DWG. NO. 139359

U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WASHINGTON, D.C. 20250

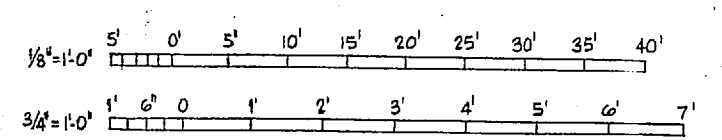
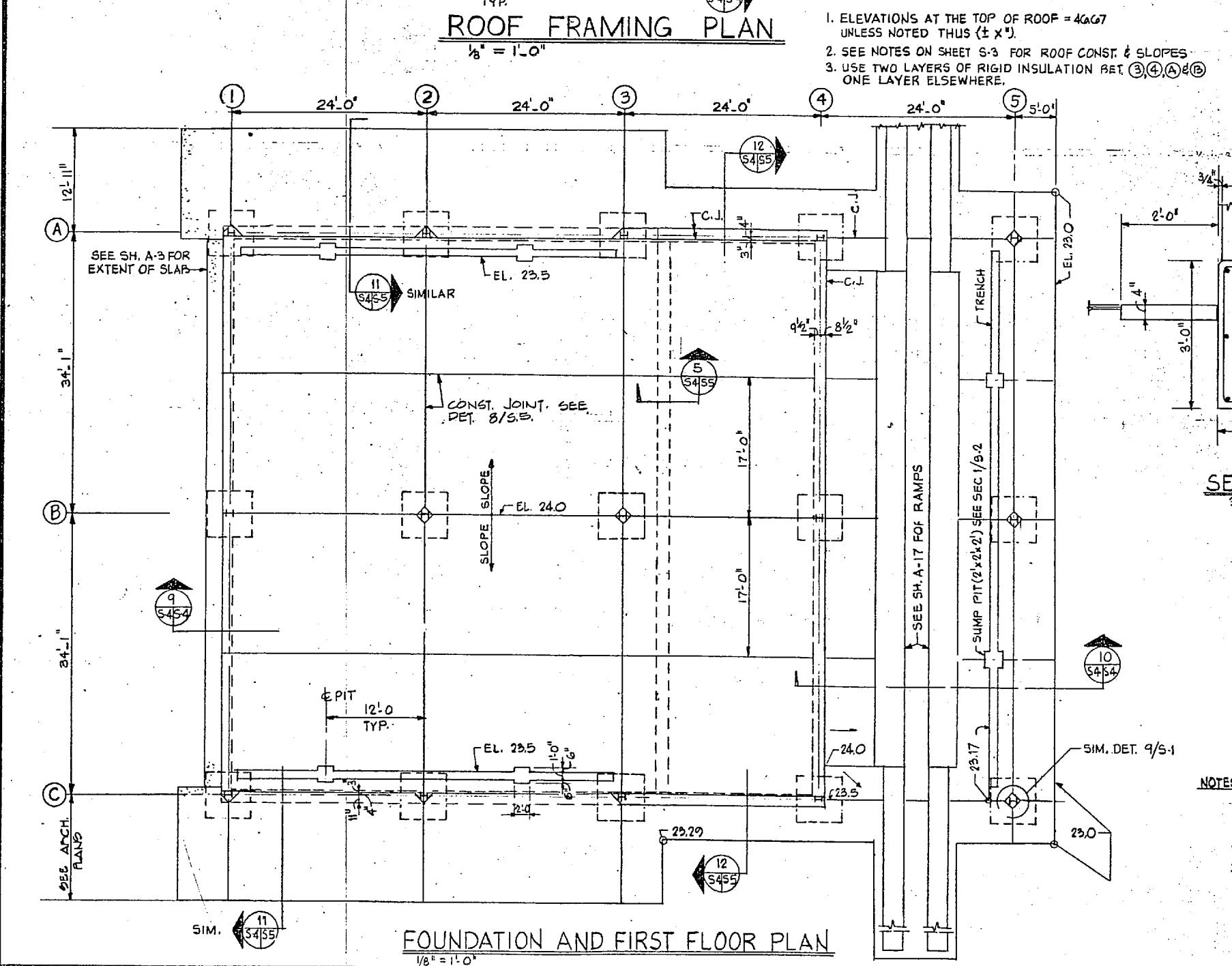
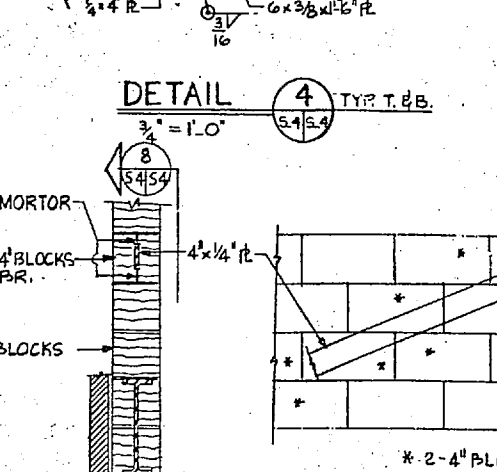
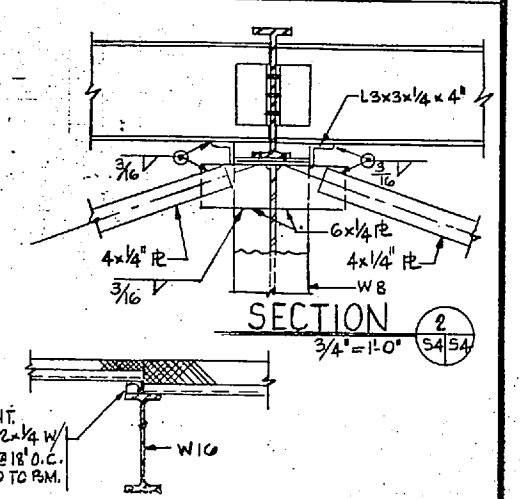








REVISIONS			
NO.	DESCRIPTION	PREP BY	DATE



<b>J. N. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE, NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION NORFOLK, VIRGINIA	
PROJ. NO. 4039361 SUBMITTER'S DATE: 12/14/77 DRAWN BY: J. N. PEASE CHECKED BY: J. N. PEASE DATE: 12/14/77		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY New River, Camp Lejeune, North Carolina <b>REFUELER VEH. BLDG. FLOOR PLAN &amp; DETAILS</b>	
APPROVED: [Signature] OFFICE IN CHARGE: [Signature] DATE: 12/14/77		SIZE: 80091 NAVAC DRAWING NO: 4039361 CONSTR. CONTR. NO. N6240-TT-D-7100 SCALE: 1/8" = 1'-0" SHEET 28 OF 56	

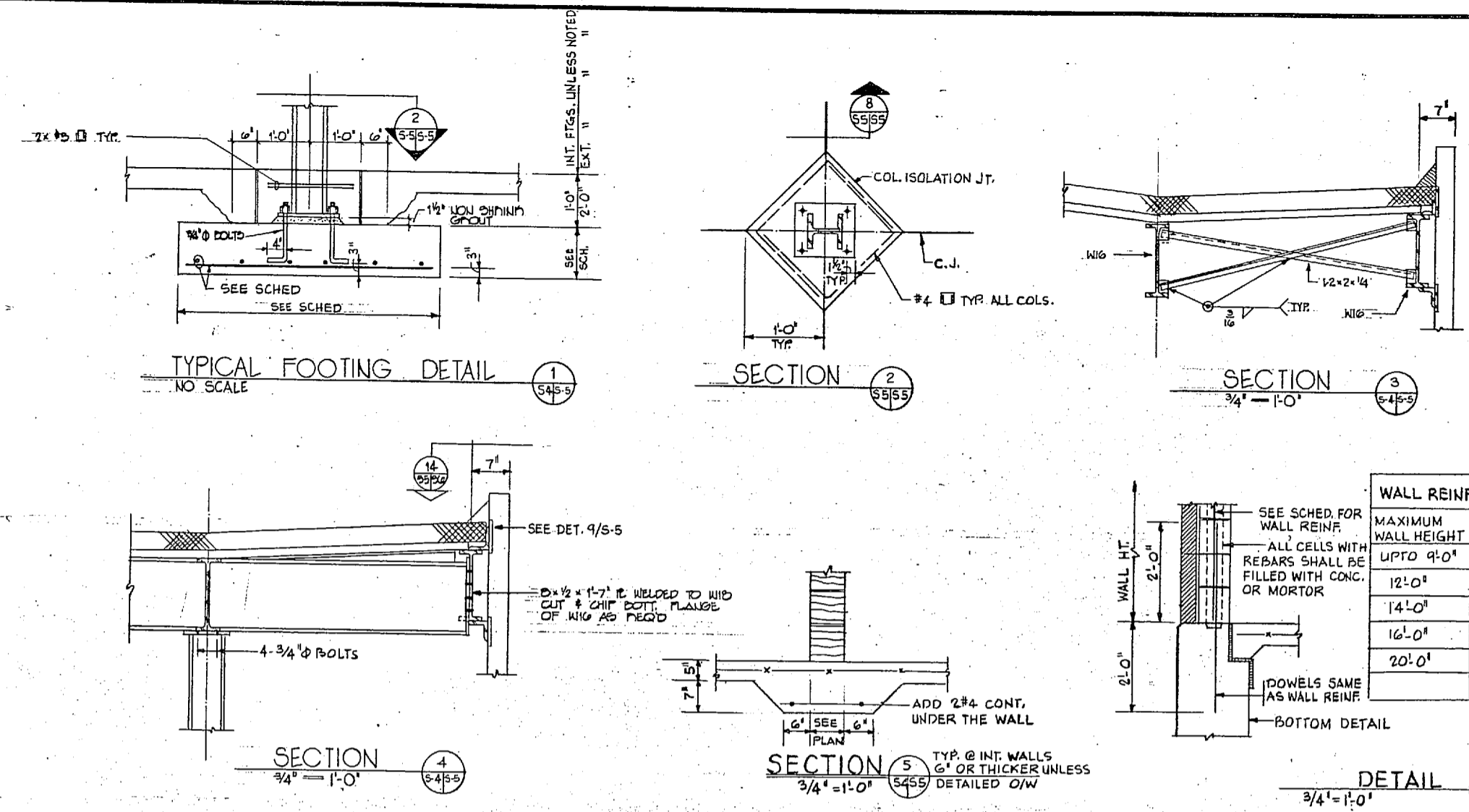
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GENERAL NOTES

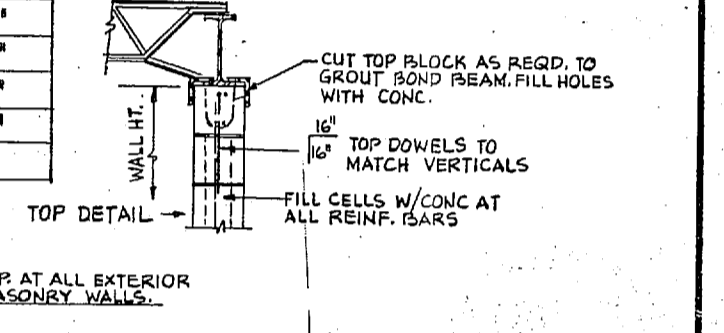
- LAP FOUNDATION REINFORCING A MINIMUM OF 28 BAR DIAMETERS OR EXTEND BARS A MINIMUM OF 1'-4" INTO COLUMN FOOTING.
- PROVIDE THICKENED SLAB UNDER INFERRIOR MASONRY PARTITIONS 6" OR GREATER IN THICKNESS AS SHOWN IN DETAIL 5/5-5 EXCEPT WHERE SHOWN OTHERWISE.
- WHERE CONCRETE PADS ARE POURED ON TOP OF STRUCTURAL SLABS, PROVIDE 1/8" DOWEL FOR EACH 3 SQ. FT. OF PAD SURFACE WITH A MINIMUM OF 4 DOWELS PER PAD.
- PROVIDE 1/4" x 5'-0" DIAGONAL AT EACH CORNER OF ALL OPENINGS IN FLOOR SLABS, TYP.
- ALL FORMWORK SHALL BE REMOVED FROM CONCRETE. NO COVERING OF WOOD WITH BACKFILL OR MASONRY WILL BE PERMITTED.
- STEEL TO STEEL CONNECTIONS SHALL BE STANDARD FRAMED CONNECTIONS EXCEPT WHERE SHOWN OTHERWISE. USE 3/4" x 325-N BOLTS.
- STEEL DECKING SHALL BE WELDED TO THE SUPPORTING STEEL MEMBERS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. USE WELD WASHERS.
- JOISTS SHALL BE OPEN WEB STEEL JOISTS OF SERIES SHOWN ON DRAWINGS CONFORMING TO ALL APPLICABLE REQUIREMENTS OF THE STEEL JOISTS INSTITUTE'S "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOIST CONSTRUCTION."
- ALL BRIDGING RUNS SHALL TERMINATE AND BE SECURED IN MASONRY OR CONNECTED TO PARALLEL STRUCTURAL MEMBERS. IN ALL CASES WHERE A JOIST IS ADJACENT AND PARALLEL TO A WALL, THE JOIST SHALL BE SECURELY BRIDGED TO SUCH WALL.
- THE LOCATION AND DEPTH OF ALL SLAB DEPRESSIONS SHALL BE DETERMINED AND/OR VERIFIED IN STRICT COMPLIANCE WITH ARCHITECTURAL REQUIREMENTS.
- PROVIDE BAR SUPPORTS AND SPACERS IN STRICT ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE, LATEST EDITION, EXCEPT SUPPORTS AND SPACERS SHALL HAVE STAINLESS STEEL TIPS WHERE BOTTOM OF CONCRETE WILL BE EXPOSED.
- GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE SIZE, TYPE AND DIRECTION OF ALL PADS, DEPRESSIONS, BOLTS, SLEEVES, ANCHORS, INSERTS, ETC. TO BE SET IN CONCRETE AND/OR MASONRY BEFORE THE POUR OR ERECTION IS MADE. ALL BUILT-IN ITEMS AND INDENTATIONS OR ELEVATIONS ARE TO BE SET BY THE GENERAL CONTRACTOR IN STRICT ACCORDANCE WITH REVIEWED SHOP DRAWINGS.
- PROVIDE 3" COVER FOR ALL REINFORCING STEEL IN FOOTINGS AND FOUNDATIONS.
- REINFORCING STEEL SHALL BE PLACED IN THE CENTER 1/3rd OF SLABS ON GRADE.
- DESIGN LIVE LOADS ARE AS FOLLOWS:
 

ROOF	20 PSF
OFFICE	80 PSF INCLUDING PARTITIONS
STORAGE	150 PSF
CRANES AND MONORAILS	AS NOTED ON PLANS
- WIND VELOCITY = 115 MPH  
SEISMIC ZONE 1, K = 1.33, C = 0.1
- ALL CONCRETE SHALL BE REGULAR STONE CONCRETE WEIGHING 144 TO 150 PSF  
f'c = 3,000 PSI AT 28 DAYS. SEE PLANS FOR EXCEPTIONS.
- REINFORCING STEEL SHALL BE GRADE 60 NEW BILLET STEEL, ASTM A615. WELDED WIRE FABRIC SHALL MEET ASTM A-185 SPECS.
- STRUCTURAL STEEL SHALL BE ASTM A-36.
- METAL DECK FOR COMPOSITE SLAB CONSTRUCTION SHALL BE 2" DEEP, 20 GAGE COMPOSITE DECK WITH 2 x 0.4 IN. SL = 0.36 IN. STUDS SHALL BE 3/4" DIA. x 1/4" LONG WITH ROUND HEAD, SHEAR CAPACITY 11 KIIPS PER STUD. ALL STUDS SHALL BE FIELD WELDED AND SPACED UNIFORMLY. SEE SEC. 7/5-6
- MASONRY WALLS OVER 9' UNSUPPORTED LENGTHS ARE REINFORCED MASONRY. SEE DETAIL 6/5-5
- DESIGN SOIL BEARING CAPACITY = 2,000 P.S.F. BOT. OF FIGS TO BE PROOF COMPACTED PRIOR TO CONG. PLACEMENT. ANY SOFT SPOTS SHALL BE EXCAVATED & REPLACED WITH SUITABLE MAT'L & COMPACTED.



REVISIONS			
STM	DESCRIPTION	PREP BY	DATE

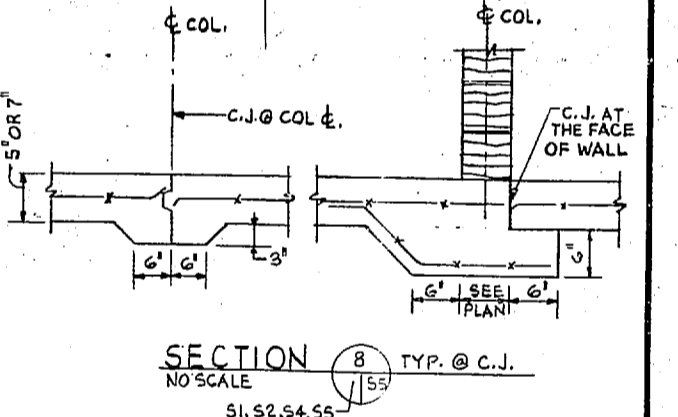
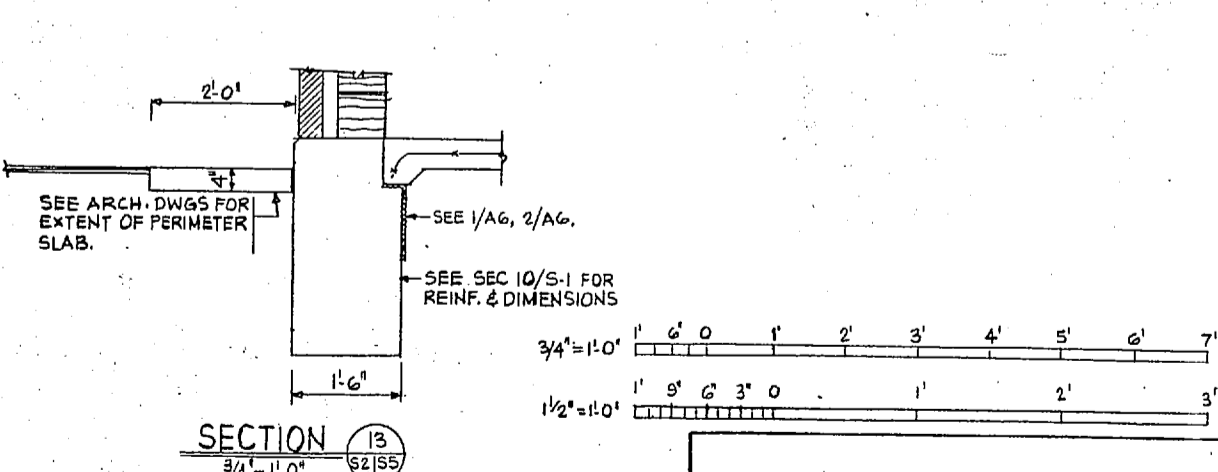
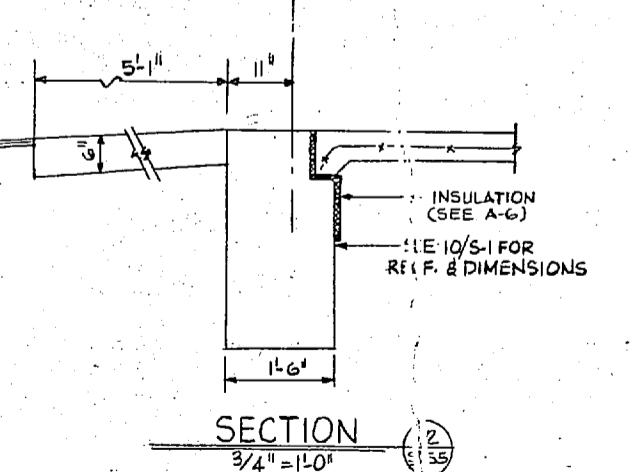
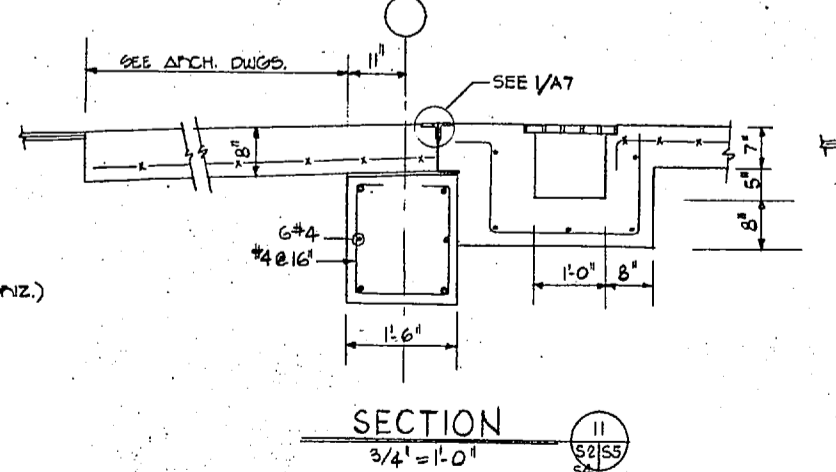
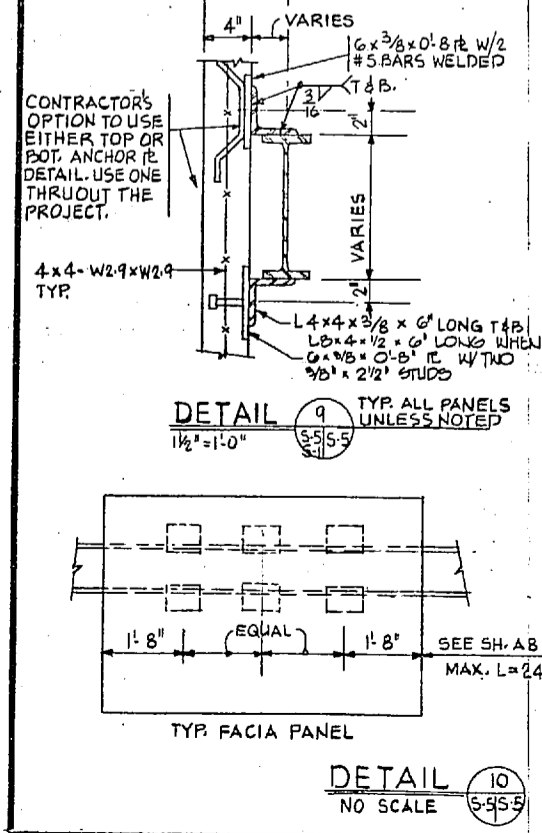
- EXTEND BOT CHORD OF ALL JOISTS @ EXT. WALLS.
- TOP BOND BEAM SHALL BE FULL COURSE, NEXT LOWER BLOCK MAY BE LESS THAN 8" DUE TO UNEVEN ELEVATION OF BEAM.
- SEE 1, 2, 3/AG FOR BEAM TO WALL CONNECTION.
- PROVIDE 2#5 CONT. BARS IN BOND BEAM.



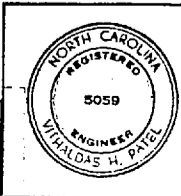
COLUMN & FOUNDATION SCHEDULE

COLUMN	COMBAT VEHICLE MAINTENANCE BUILDING														REFUELER VEHICLE MAINTENANCE BUILDING																			
	A1, H1	A2, H2	E1, E2	A5, H5	C5, H5	A6, H6	B6, G6	C6, F6	B7, G7	D7, H7	C8, F8	C7, F7	B9, G9	D9, H9	C10, F10	A8, H8	B8, G8	D10, H10	D14	D16	D18	D19, G19	B17, G, 17	H19	E20	G20	A1, A5	B1	B2	A3, A4	C3, C4	A2, C2	B3, D4	D5
COLUMN	LOW ROOF (T.O.S. @ H.P. EL. 29.5)														HIGH ROOF (T.O.S. @ H.P. EL. 49.0)																			
COLUMN SIZE	ND*20														ND*20																			
BASE SIZE	13 x 3/4 x 1-1														13 x 3/4 x 1-1																			
FOOTING SIZE	4'-0" SQ x 1'-0"														4'-0" SQ x 1'-0"																			
BOTTOM REINF.	7 #4 E.W.														7 #4 E.W.																			

NOTE: SEE DETAIL 13/A-15 FOR COLUMNS IN MAINTENANCE BAYS.



SATISFACTORY TO *C. Mack*  
DATE 12/17/77



**S-5**

J. N. PEASE ASSOCIATES  
ARCHITECTS-ENGINEERS-PLANNERS  
CHALLENGE NORTH CAROLINA

DEPARTMENT OF THE NAVY  
NAVY STATION ATLANTIC DIVISION  
NOFLORE VIRGINIA

OPERATIONAL AND MAINTENANCE FACILITY  
Marine Corps Air Station (Helicopter)  
New River, Camp Lejeune, North Carolina

COLUMN & FOUNDATION SCHEDULES

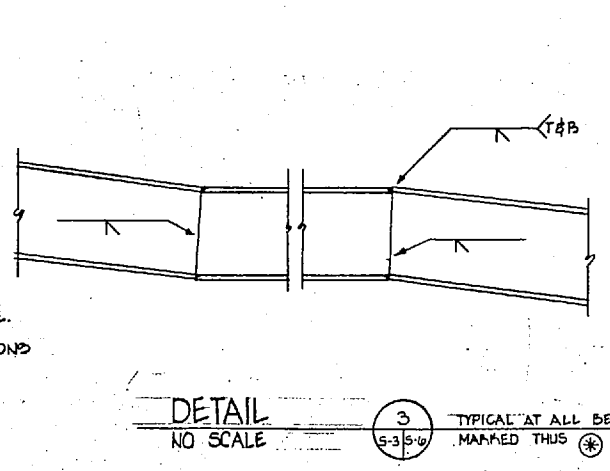
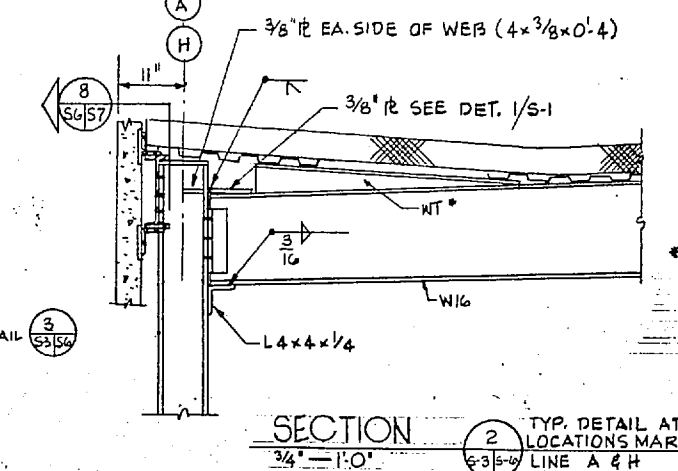
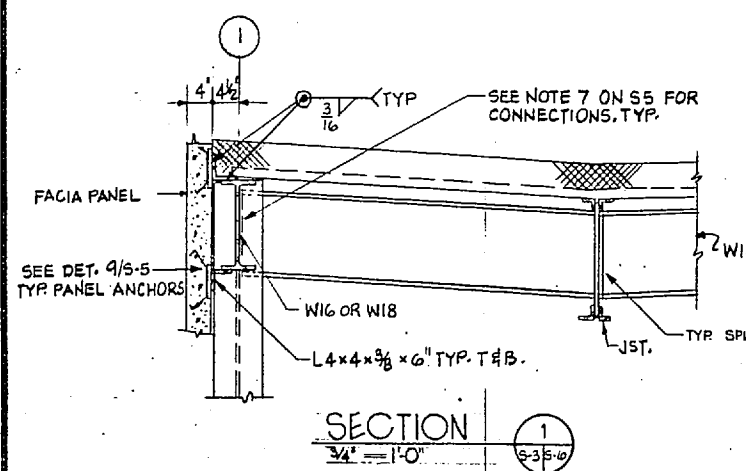
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FOR THE COMMANDER, NAVFAC

SCALE: 1/8" = 1'-0" SHEET 27 OF 56  
CONSTR. CONTR. NO. N62470-TT-B-7100  
NAVAC DRAWING NO. 4039302

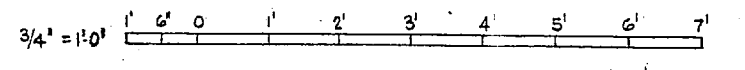
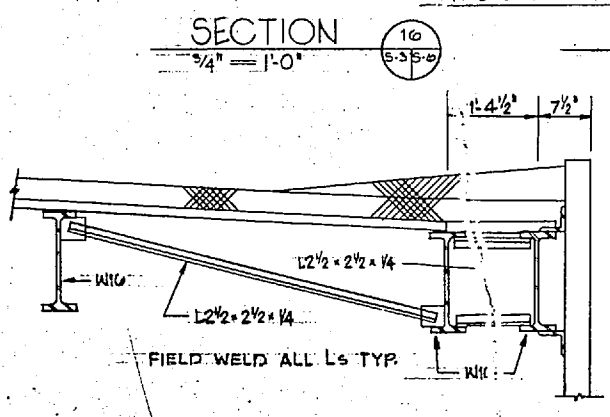
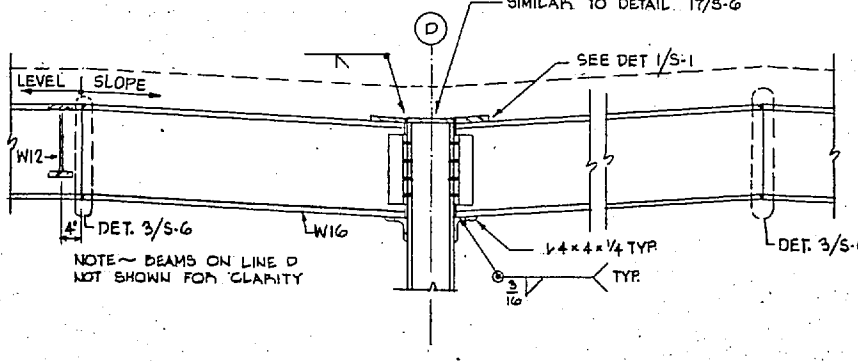
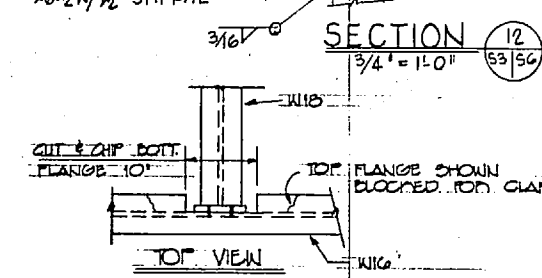
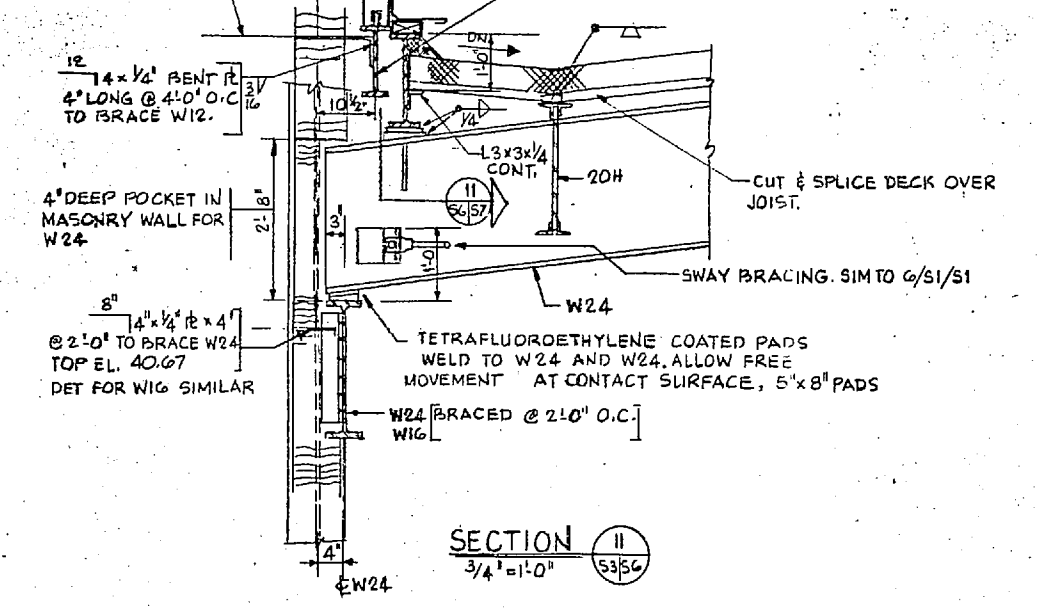
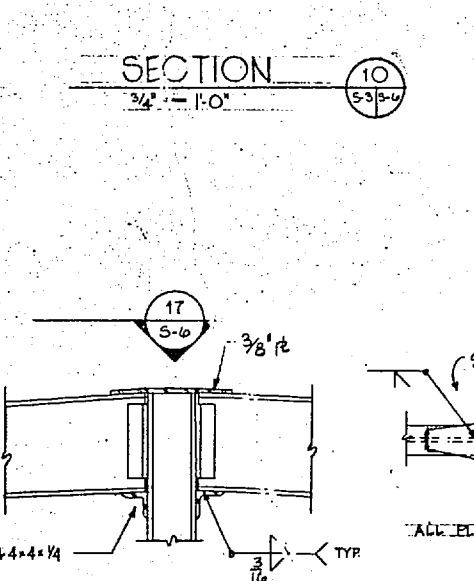
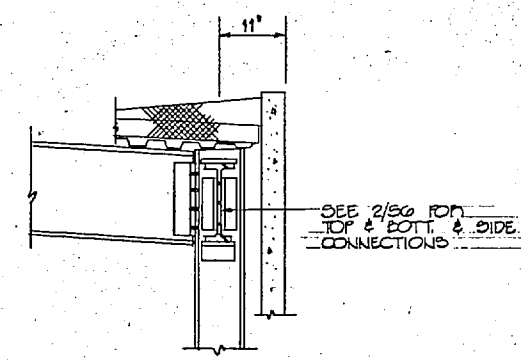
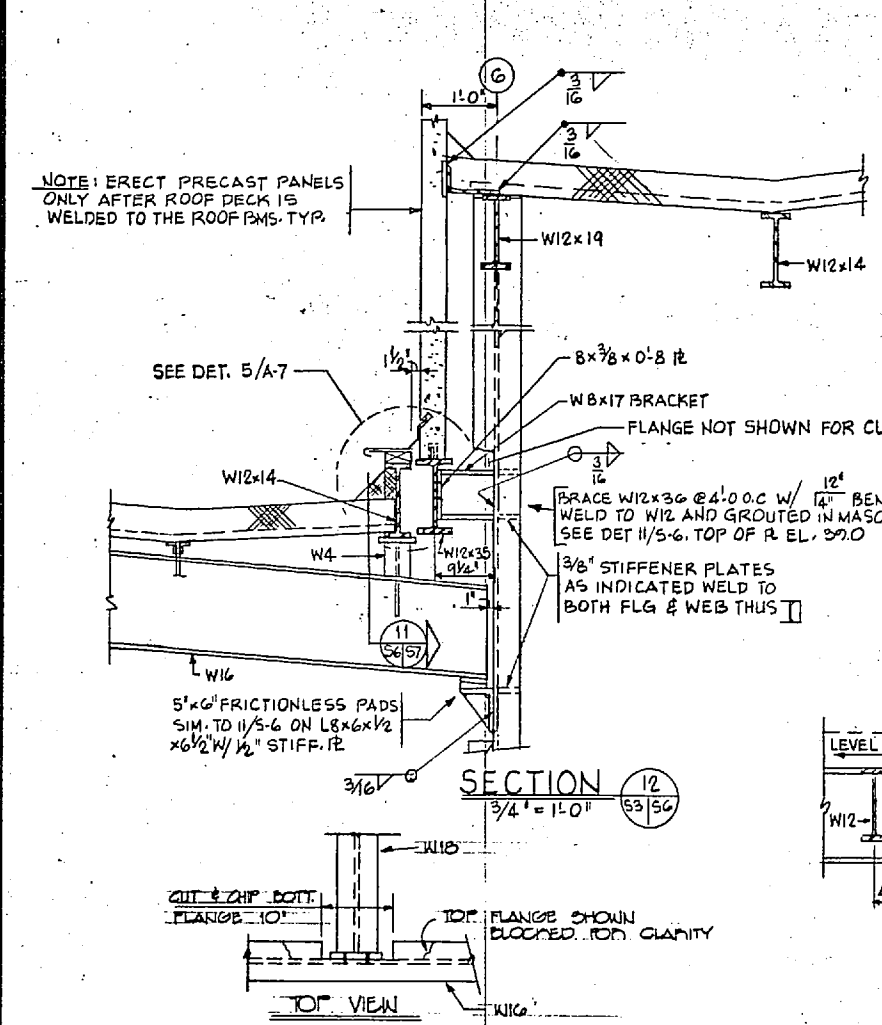
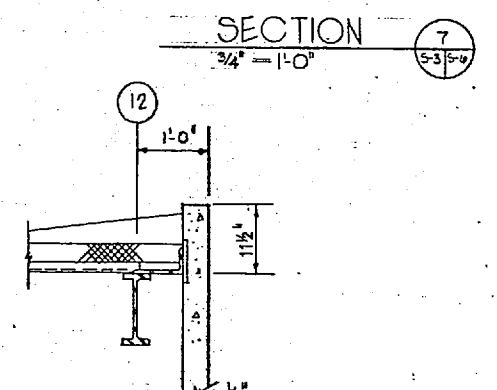
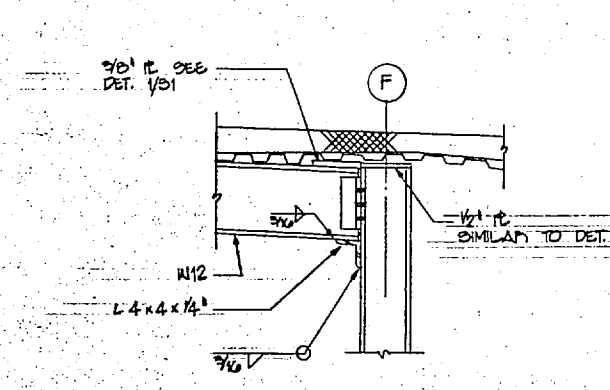
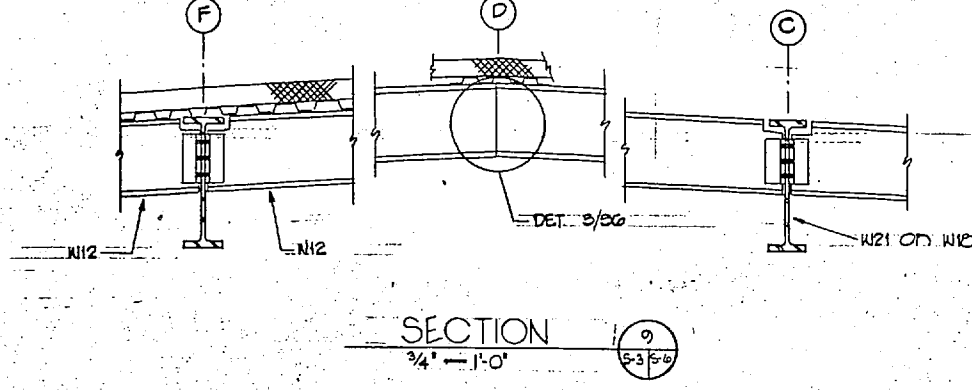
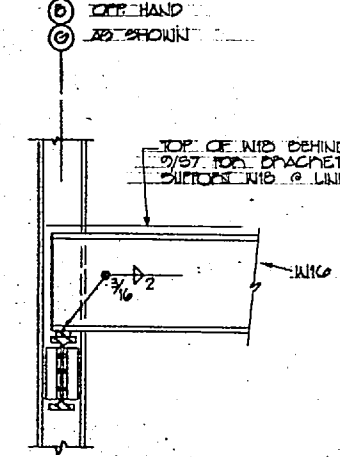
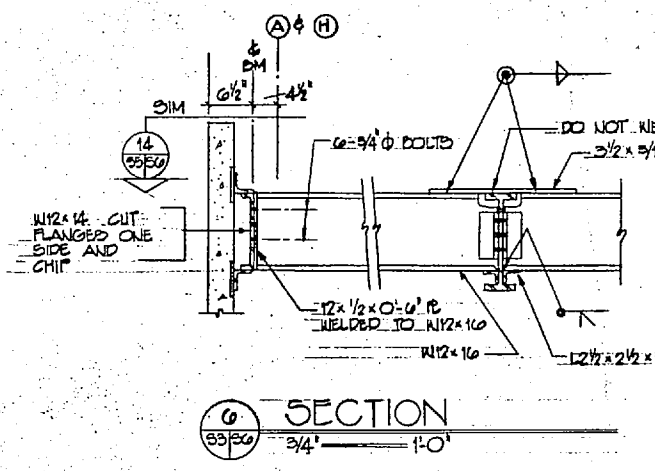
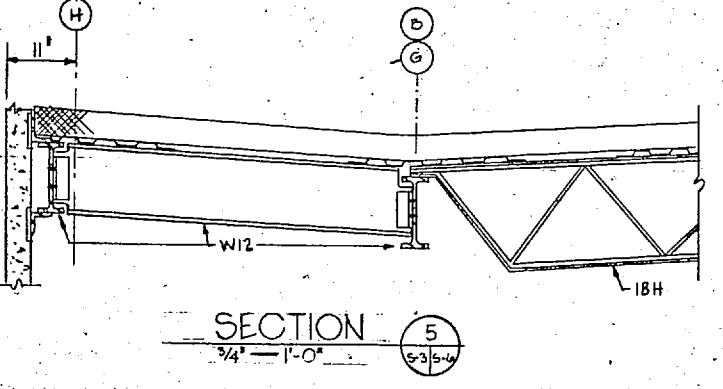
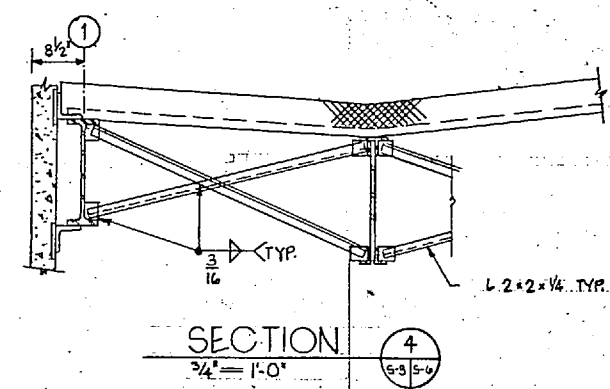
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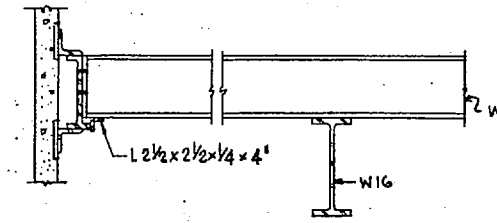
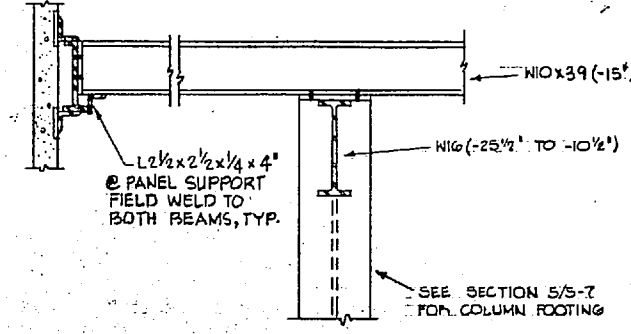
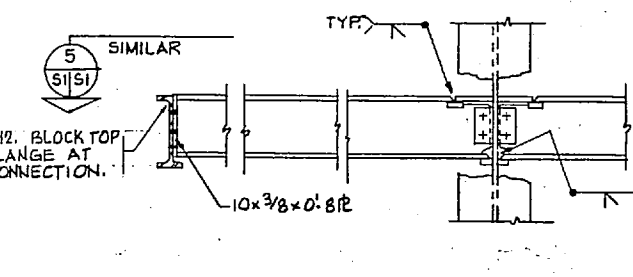
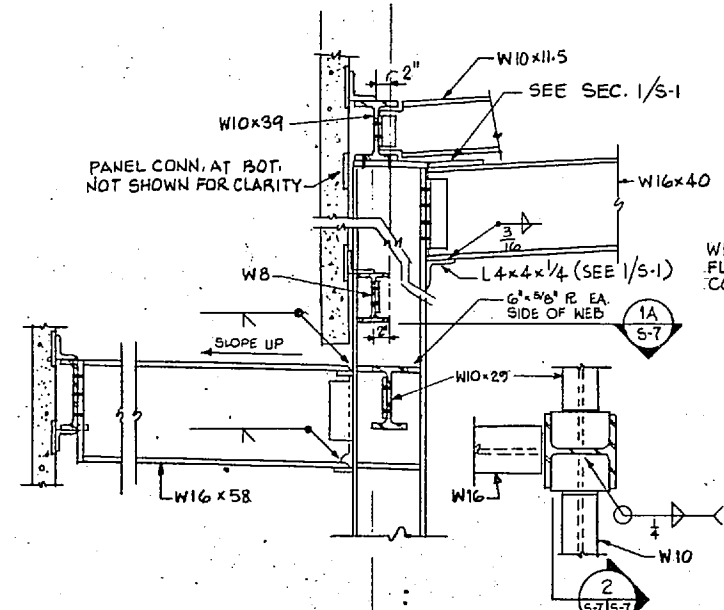
NOTE - FABRICATOR MAY USE BACKING BARS PLATED ON OTHER ACCESSORIES TO MAKE THIS SPURCE. THIS DETAIL APPLIED TO SEVERAL DIFFERENT BEAMS IN DEAMS.



J. N. BEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK VIRGINIA	
DEL. 7/27/77 PROJ. MGR. COL. EMMA SUPERVISOR: [Signature] FIELD INCHES: [Signature]		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
APPROVED: [Signature] DATE: 12/19/77		SECTIONS AND DETAILS	
SATISFACTORY TO: [Signature] DATE: 12/19/77		NAVFAC DRAWING NO. 4039363 CONST. CONTR. NO. N62470-TT-B-7100	
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER 5059		OFFICER IN CHARGE: [Signature] DATE: 22 JUN 1979	
SCALE: AS SHOWN		SHEET 28 OF 36	

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NO.	DESCRIPTION	PREP BY	DATE	APPROVED

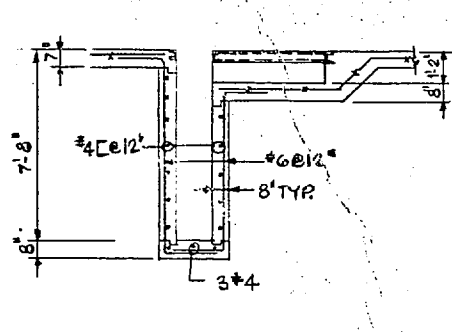
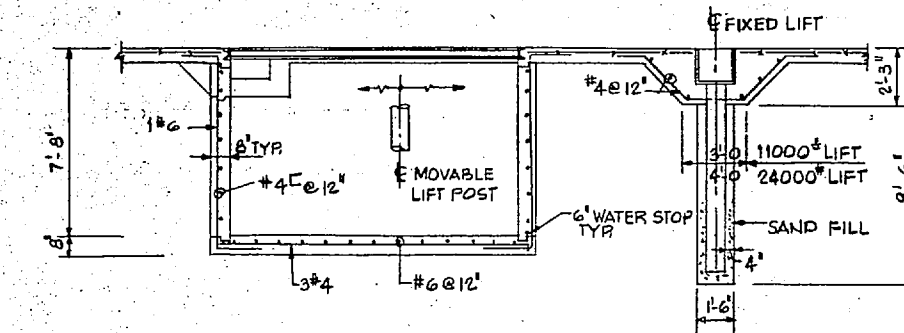
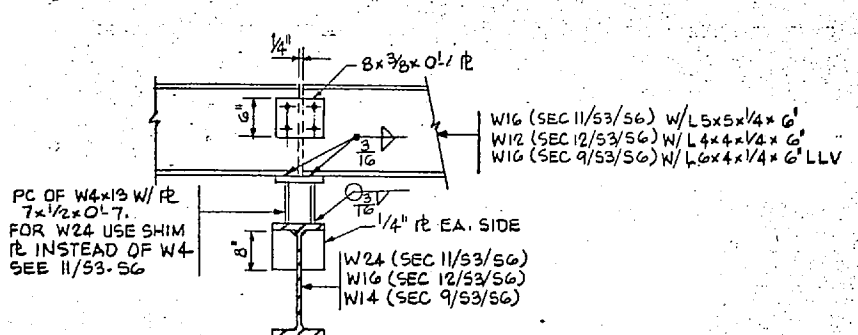
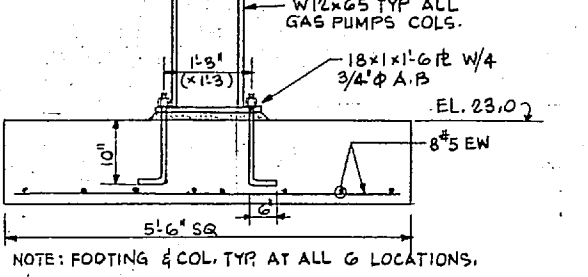
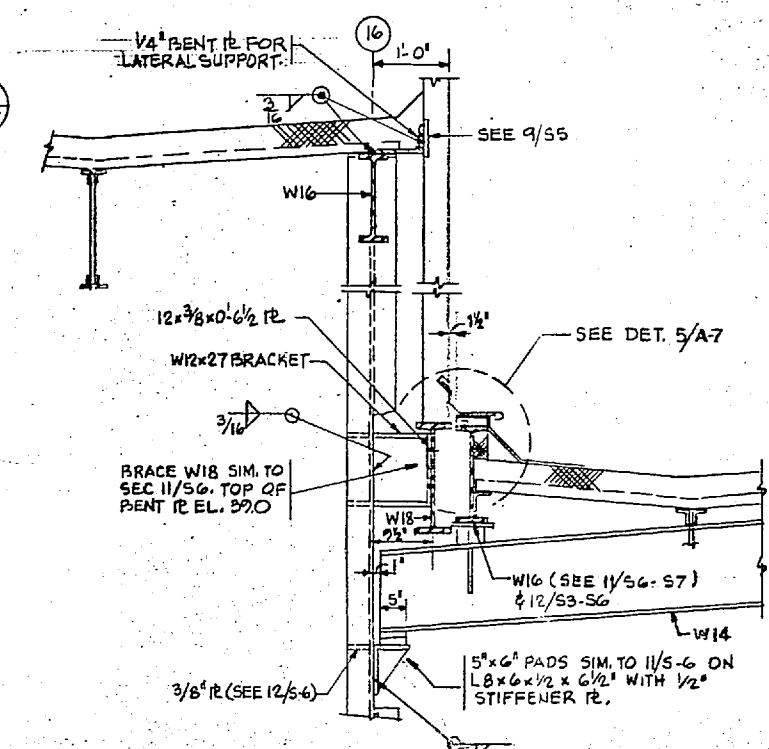
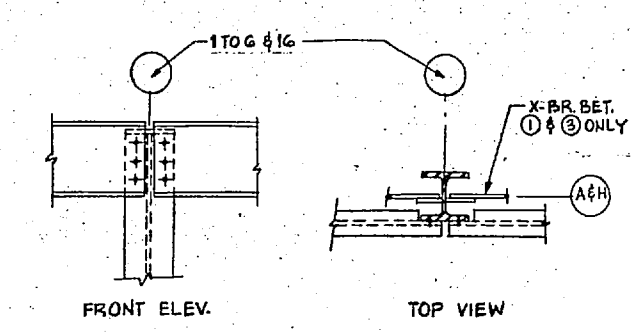
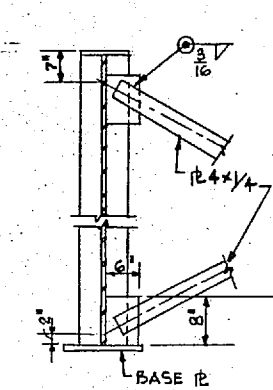
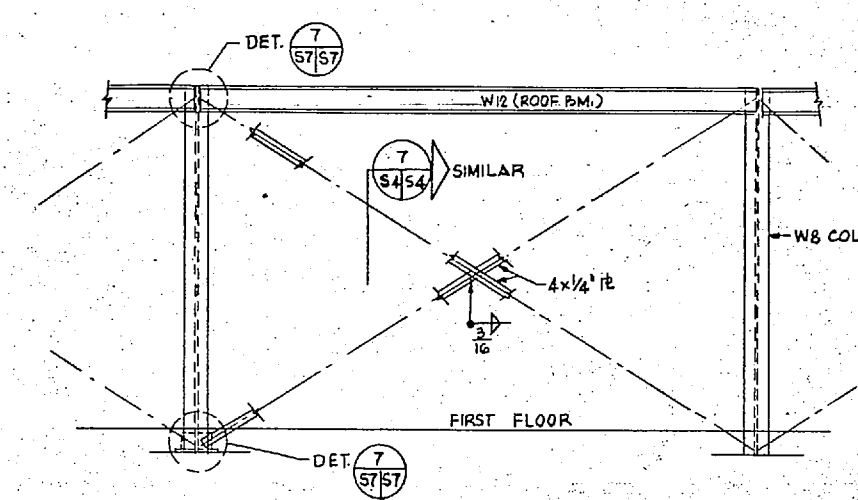
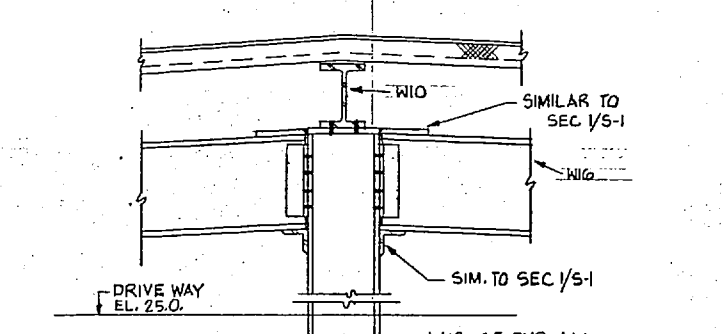


SECTION 1  
3/4" = 1'-0"

SECTION 2  
3/4" = 1'-0"

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

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

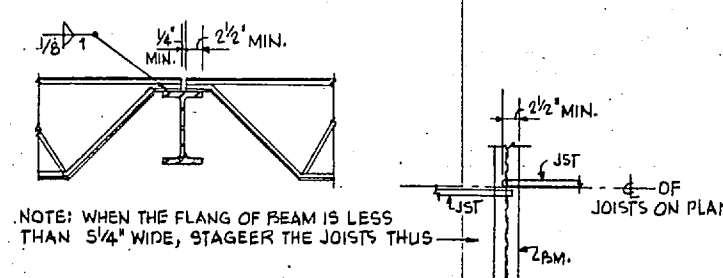


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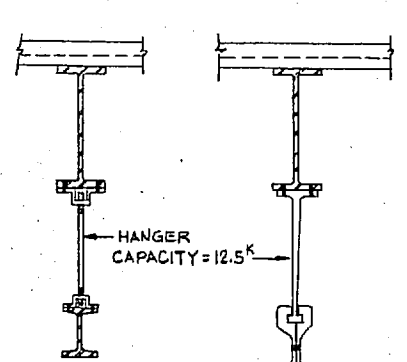
SECTION 11  
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SECTION 17  
1/4" = 1'-0"

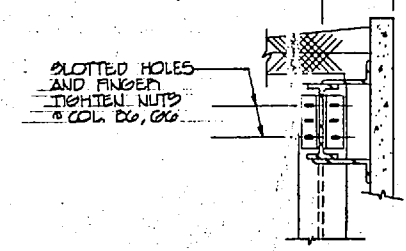
SECTION 15  
1/4" = 1'-0"



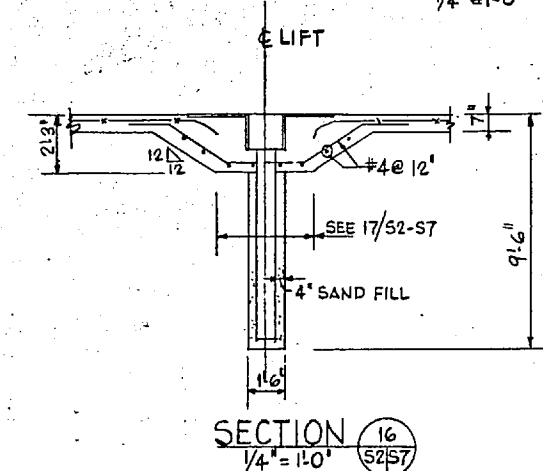
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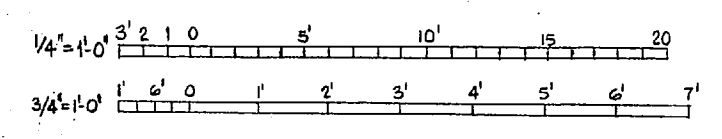
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SECTION 13  
3/4" = 1'-0"



SECTION 16  
1/4" = 1'-0"



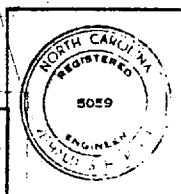
NOTE: SEC. 15, 16 & 17/52-S7 WILL DEPEND UPON EQUIPMENT SELECTED. SUBMIT FOR C.O.'S APPROVAL BEFORE FABRICATION OR ERECTION.

NOTE: WHEN THE FLANGE OF BEAM IS LESS THAN 5/4" WIDE, STAGEER THE JOISTS THUS

NOTE: THE TYPE OF RAIL AND HANGER, LOCATION OF HANGER, LATERAL BRACING DETAIL ETC. SHALL BE SUBMITTED TO CONTRACTING OFFICER BEFORE FABRICATION OR ERECTION.

<b>S-7</b>	
J. H. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK VIRGINIA
DES. V.P.P. DR. [ ] PROJ. MGR. [ ] SUPERVISOR [ ] DATE [ ]	CHIEF [ ] DATE [ ] PRINCIPAL [ ]
SECTION 15 & 17 DETAILS	
APPROVED [ ] DATE [ ]	OFFICER IN CHARGE [ ] DATE [ ]
SITE CODE IDENT NO. 80091	NAVFAC DRAWING NO. 4039364
CONST. CONTR. NO. N62470-TT-B-7100	SHEET 29 OF 56
SCALE: 1/4" = 1'-0" 3/4" = 1'-0"	

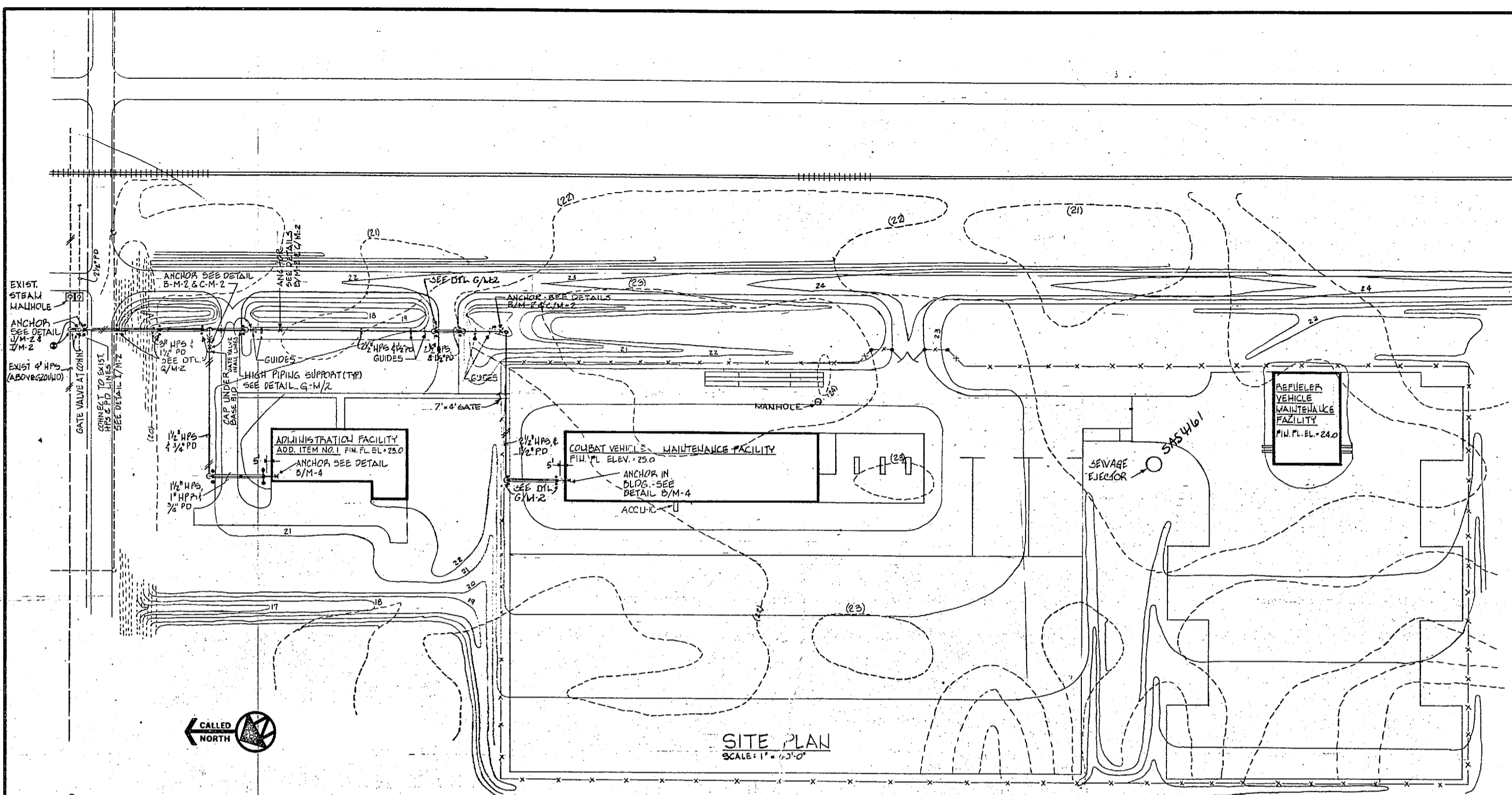
SATISFACTORY TO [ ]  
DATE 11/13/77



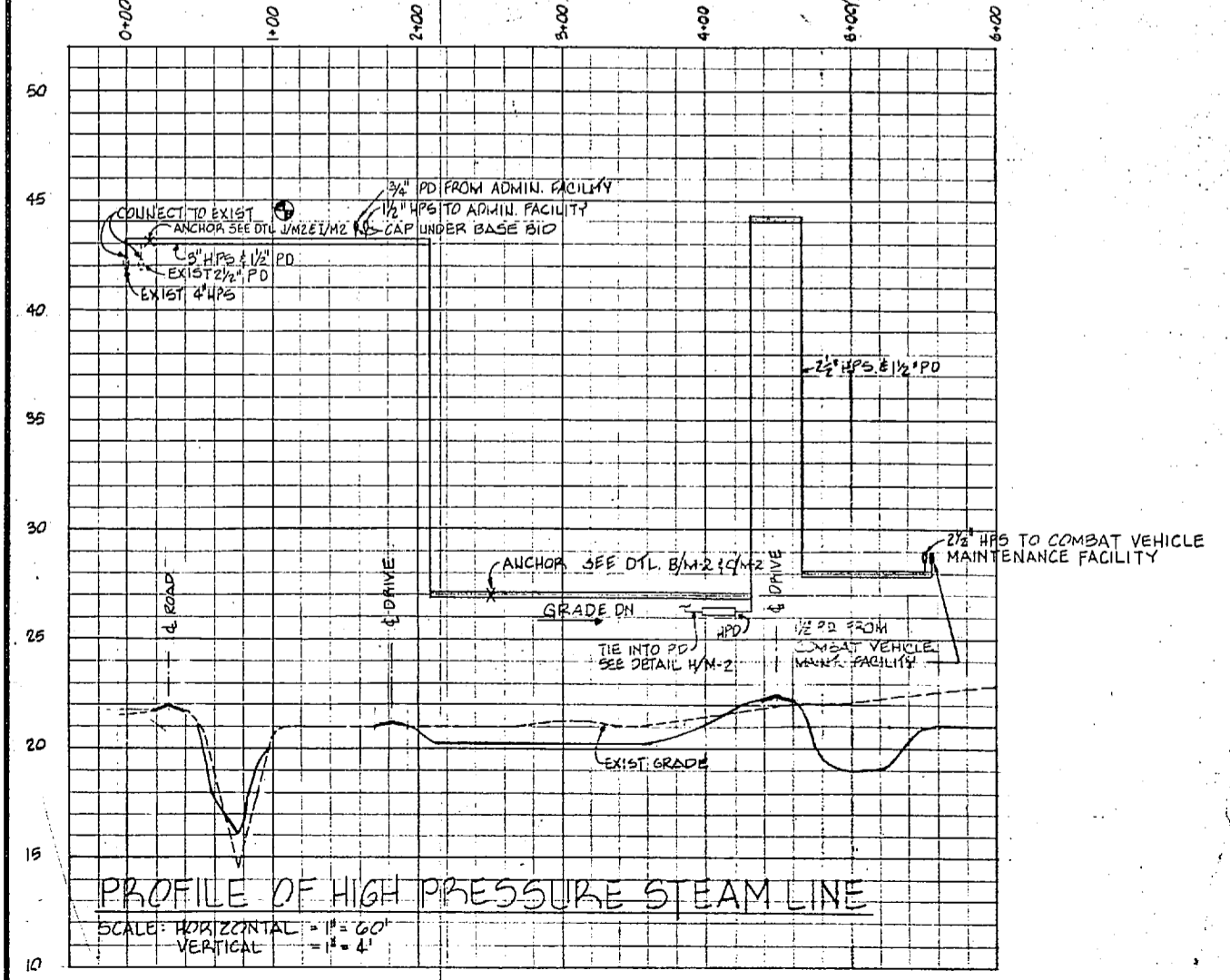
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NO.	DESCRIPTION	PREP'D BY	DATE	APPROVED

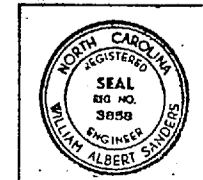
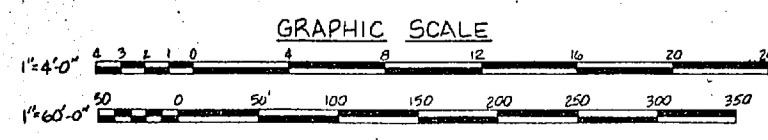


- NOTES**
1. PROVIDE SUPPORT PIERS @ 10' O.C. UNDER LOW PIPING FOR 2 1/2" OR LARGER STEAM LINE WITH 1 1/2" PD. SEE DETAIL E/M-2
  2. PROVIDE KEEPERS ON EVERY 5TH SUPPORT PIER, EXCEPT WHERE RETAINERS ARE INDICATED. SEE DETAIL F/M-2



SATISFACTORY TO  
*CRZek*  
DATE 12/19-7

J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK VIRGINIA	
PROJ. NO. 24 DESIGNED BY: <i>[Signature]</i> DATE: 12/19/77 FILM NUMBER: <i>[Signature]</i> NO. REVISIONS: 0		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
APPROVED: <i>[Signature]</i> OFFICE IN CHARGE: <i>[Signature]</i> DATE: 12/19/77		STEAM DISTR. SYM. PLAN & PROFILES	
SCALE: 1" = 40'-0"		SIZE: F	CODE IDENT. NO.: 80091
FOR INFO FOR COMMANDER, NAVFAC		NAVFAC DRAWING NO.: 4039365	CONSTR. CONTR. NO. N6240-TT-B-7100
		SCALE: 1" = 40'-0"	SPEC: OS-TT-1100
		SHEET 30 OF 36	

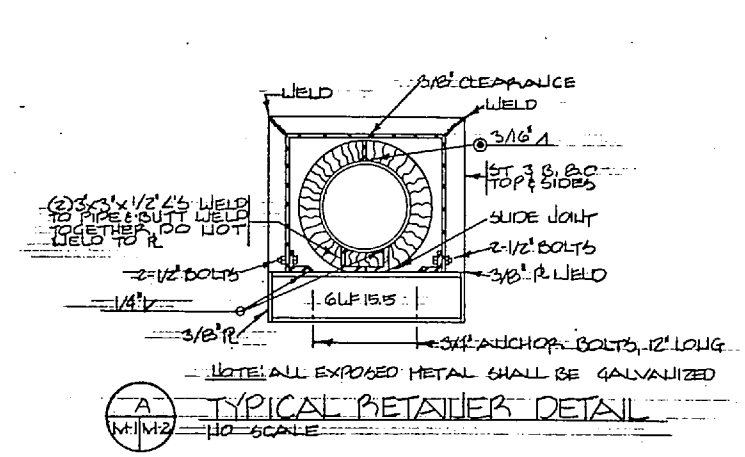


M-1

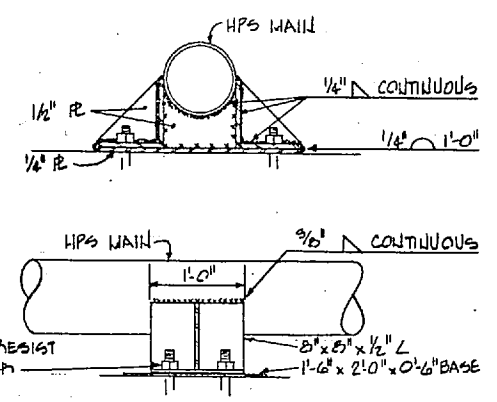
EPD DWG. NO. 139365

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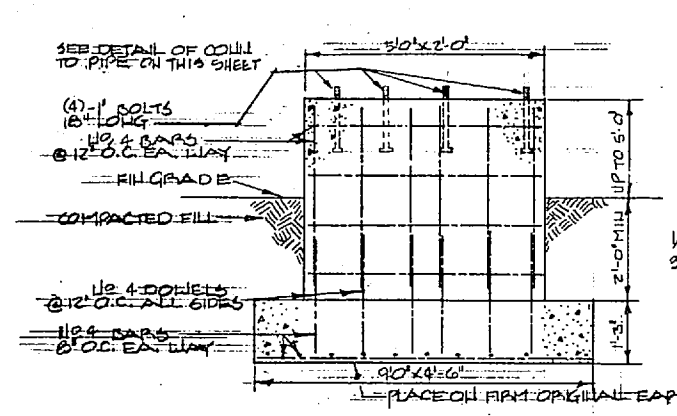
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NO.	DESCRIPTION	PREP BY	DATE



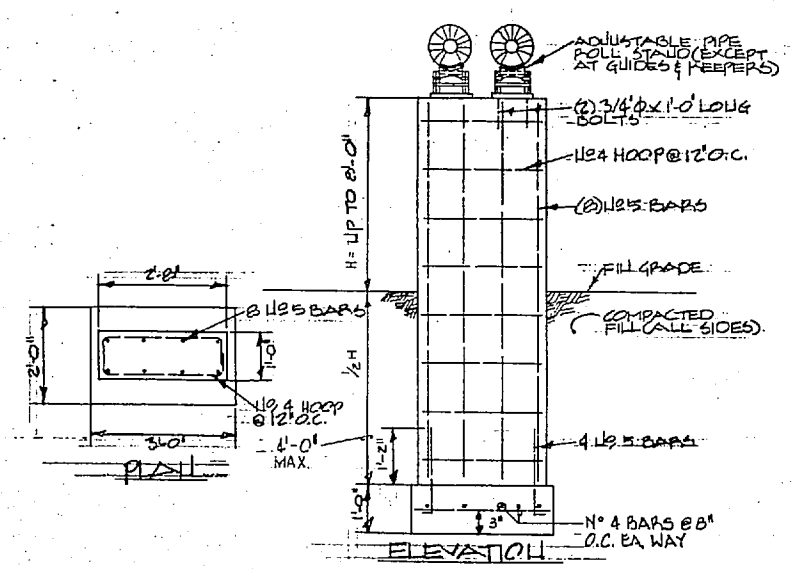
**A** TYPICAL BETAHER DETAIL  
M-1/M-2 NO SCALE



**B** PIPE TO ANCHOR CONNECTION DETAIL  
NO SCALE

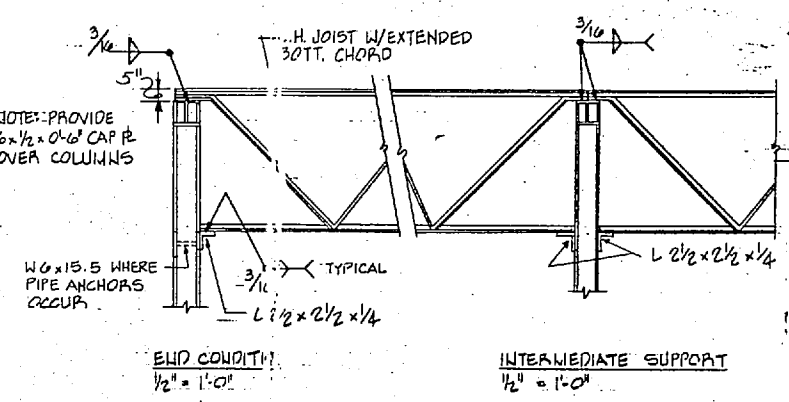
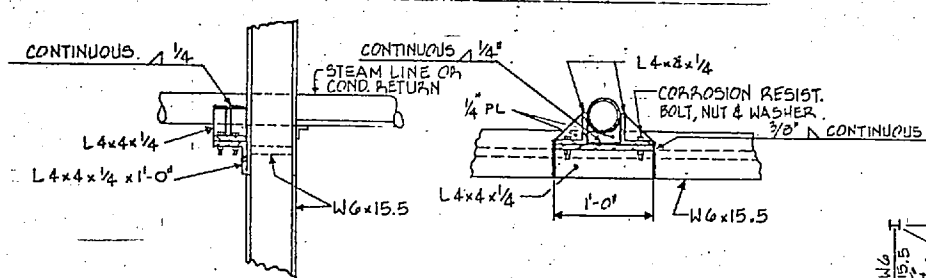


**C** TYPICAL ANCHOR DETAIL  
M-1/M-2 NO SCALE

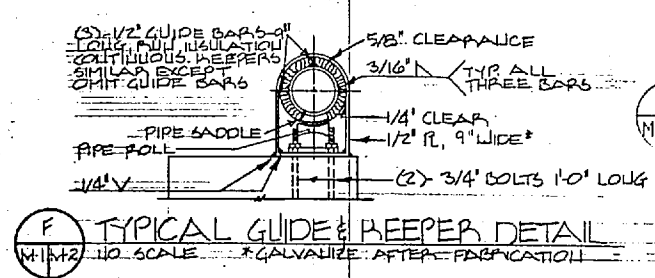


**E** PIER DETAILS  
M-1/M-2 NO SCALE

**I** DETAIL OF PIPE CONNECTION AT EXIST. 4\"/>

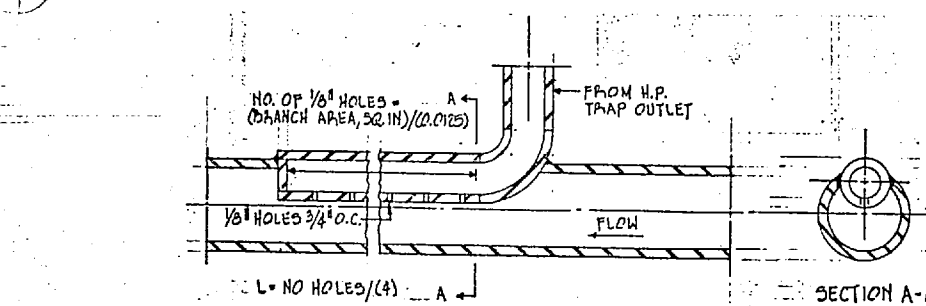


**G** HIGH PIPING SUPPORT DETAILS  
M-1/M-2 NO SCALE

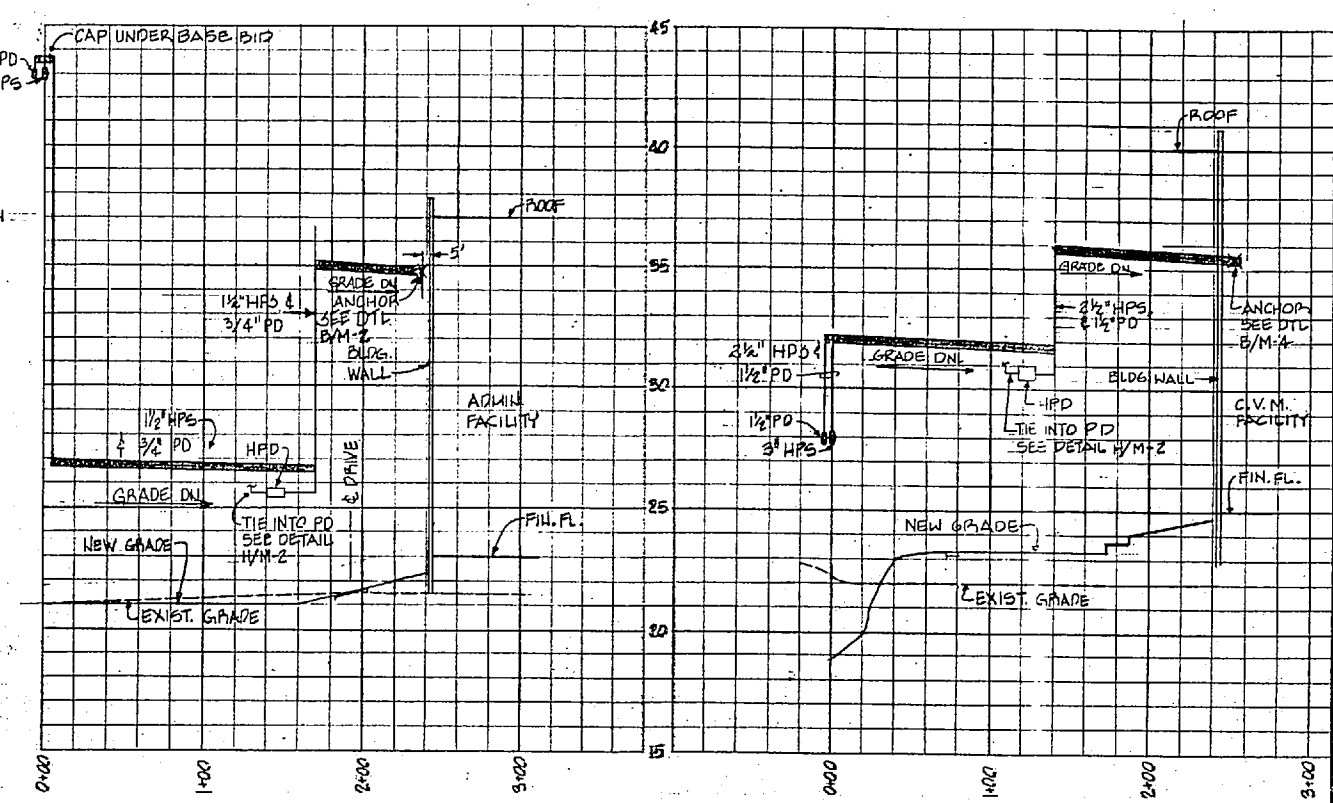


**F** TYPICAL GUIDE & BEERER DETAIL  
M-1/M-2 NO SCALE

**J** DETAIL OF PIPE ANCHOR TO HIGH PIPE SUPPORT  
M-1/M-2 NO SCALE



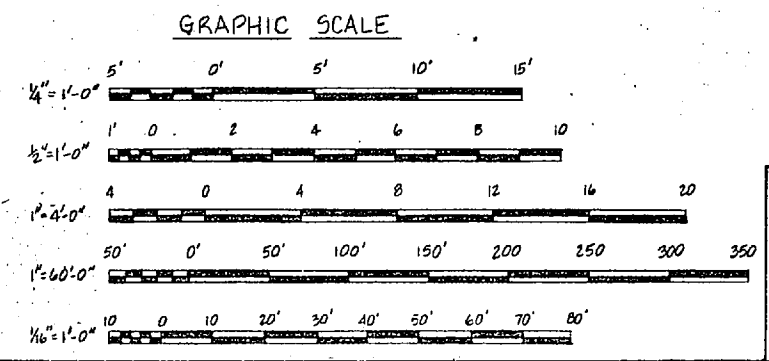
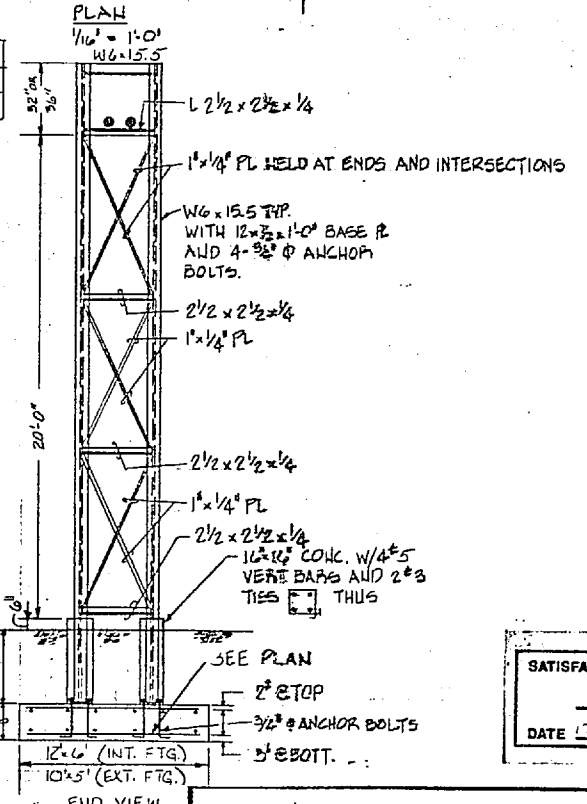
**H** PIPE CONNECTION FOR BRANCH CONNECTION INTO MAIN  
M-2 M-1/M-2 NO SCALE



PROFILE of 1 1/2\"/>

PROFILE of 2 1/2\"/>

SPAN	JOIST SIZE
UP TO 6'-0"	32 LH06
6'-0" TO 7'-0"	36 LH07



SATISFACTORY TO  
DATE 12/11/77

**M-2**

J. N. PEASE ASSOCIATES ARCHITECTS-ENGINEERS-PLANNERS CHARLOTTE NORTH CAROLINA

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

ATLANTIC DIVISION NORFOLK VIRGINIA

NAVAL STATION

SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina

STEAM DISTR. SYM. DETAILS & PROFILES

NO. 80091

DATE 8 JUL 1973

SCALE SPEC 05-77-1100

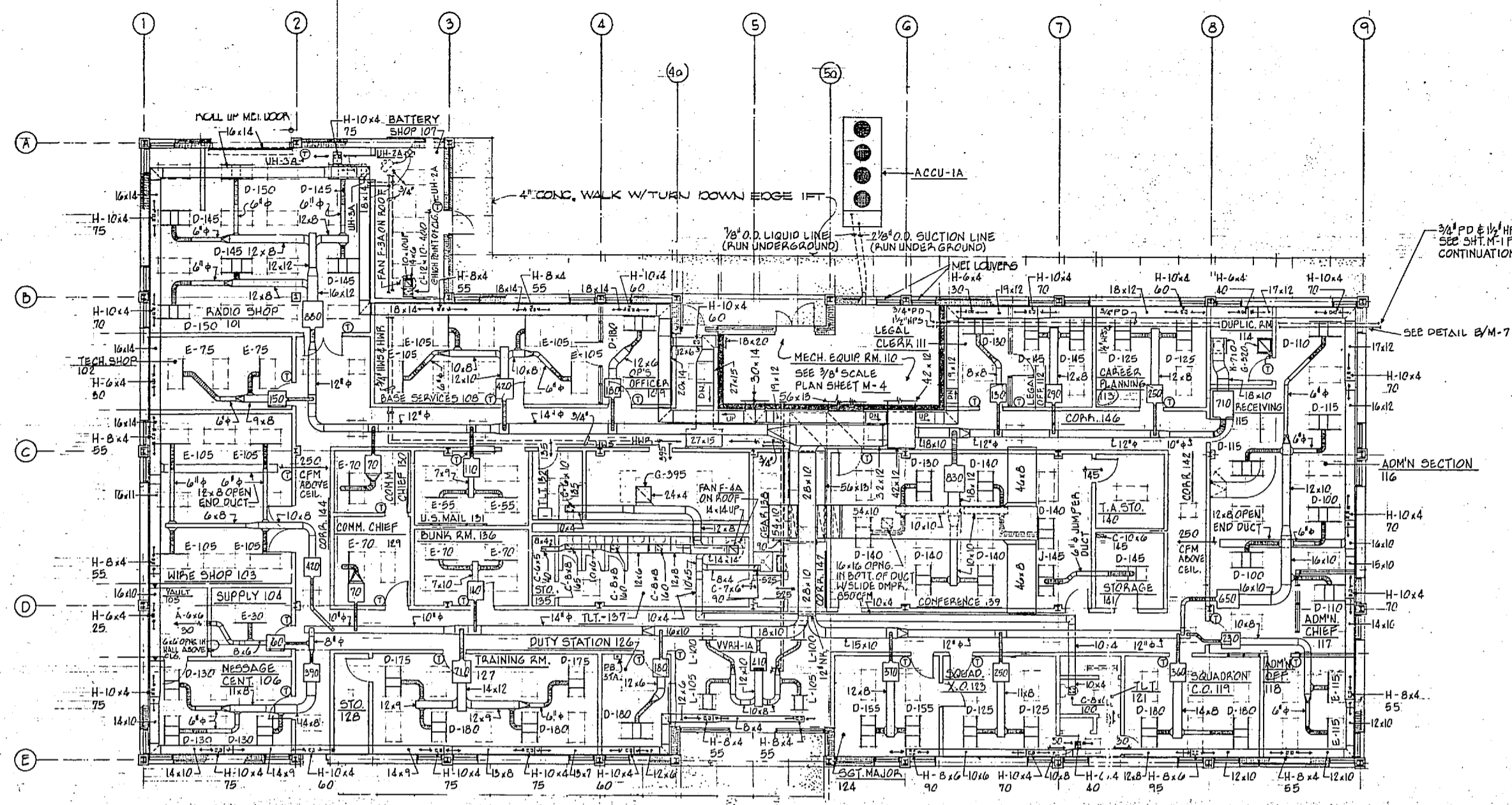
139366

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A single vertical line of text, possibly a page number or a section header, located in the left margin.

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REVISIONS			
NO.	DESCRIPTION	PREP BY	DATE



FLOOR PLAN (ADMINISTRATION FACILITY ADDITIVE ITEM NO. 1)  
1/1-1-0'



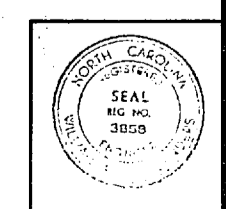
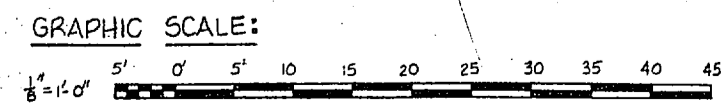
VARIABLE VOLUME TERMINAL UNIT RUNOUT SCHEDULE	
CFM RANGE	RUNOUT SIZE
0 - 200	6" φ
201 - 300	7" φ
301 - 400	8" φ
401 - 600	10" φ
601 - 800	11" φ
801 - 1000	12" φ

GENERAL NOTES

- ALL DUCTS SIZES ARE OVERALL SHEETMETAL DIMENSIONS.
- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. DIMENSIONS SHALL BE DETERMINED BY ACTUAL MEASUREMENTS WHERE POSSIBLE, FROM ARCH. DRAWINGS, FROM MANUFACTURER'S CERTIFIED PRINTS, AND FROM COORDINATION WITH OTHER TRADES.
- INSTALL MANUAL AIR VENTS AT ALL HIGH POINTS OF WATER PIPING SYSTEMS AND WHEREVER INDICATED.
- PIPE CONNECTIONS TO ALL EQUIPMENT SHALL BE MADE THROUGH SWING JOINTS, OFF SETS, ETC. IN SUCH A MANNER, AS TO PREVENT UNDUCE STRESS FROM BEING TRANSMITTED TO EQUIPMENT DUE TO THERMAL EXPANSION AND CONTRACTION.
- WHERE CEILING OCCURS, ALL DUCTWORK AND PIPING SHALL BE INSTALLED ABOVE CEILING.
- INSTALL ALL ACCESS DOORS ENTERING PLENUMS IN MECHANICAL EQUIPMENT ROOMS 16" OFF FLOOR UNLESS NOTED OTHERWISE.
- INDICATED LOCATION OF HURSDRAINS AND FLOOR DRAINS IN MECHANICAL EQUIPMENT ROOMS ARE APPROXIMATE. EXACT LOCATION SHALL BE DETERMINED AT THE JOB SITE TO SUIT THE INSTALLATION OF MECHANICAL EQUIPMENT. LOCATION SHALL BE DETERMINED UNDER THE HVAC SECTION AND INSTALLED UNDER THE PLUMBING SECTION. ANY DRAINS THAT ARE IMPROPERLY LOCATED SHALL BE REMOVED AND RELOCATED.
- INSTALL ACCESS PANELS IN DUCTS AT ALL FIRE DAMPERS AND COILS.
- HIGH AND LOW PRESSURE DRIPS SHALL BE INSTALLED AT ALL POINTS INDICATED ON DRAWINGS WHERE REQUIRED.
- ALL DRAIN LINES IN MECHANICAL EQUIPMENT SHALL BE EXTENDED TO NEAREST FLOOR DRAIN OR AS INDICATED TO AVOID INTERFERENCE WITH PASSAGEWAYS AND MAINTENANCE.
- DRAIN LINES FROM COOLING COILS SHALL BE TRAPPED.
- ALL SUPPLY DUCTS FROM PACKAGED ROOF TOP AIR CONDITIONING UNITS TO SUPPLY OUTLETS AND ALL SUPPLY DUCTS BETWEEN AIR TERMINAL UNITS AND SUPPLY DIFFUSERS SHALL BE INTERNALLY INSULATED (SEE SPECIFICATIONS).
- RETURN AIR SHALL PASS THRU THE LIGHT FIXTURES TO THE CEILING RETURN PLENUM IN ALL AIR CONDITIONED SPACES UNLESS OTHERWISE INDICATED.
- ALL SUPPLY DUCTWORK BETWEEN THE AIR HANDLING UNITS AND VARIABLE VOLUME TERMINAL UNITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MEDIUM PRESSURE, HIGH VELOCITY SMACNA STANDARDS.
- ALL WORK IN ADMINISTRATION FACILITY TO BE INCLUDED IN ADDITIVE ITEM NO. 1.

SYMBOL		LEGEND	
—HWS—	HOT WATER SUPPLY		THERMOMETER WELL
—HWR—	HOT WATER RETURN		THERMOMETER
—E—	EXPANSION LINE		THERMAL EXPANSION VALVE
# HPS #	HIGH PRESSURE STEAM		SIGHT GLASS
# HPR #	HIGH PRESSURE CONDENSATE		CHARGING VALVE
—LPS—	LOW PRESSURE STEAM		DUCT IN SECTION (RETURN OR EXHAUST)
—LPR—	LOW PRESSURE CONDENSATE		DUCT IN SECTION (SUPPLY)
—PD—	CONDENSATE PUMP DISCHARGE		TURNING VANES
—RL—	REFRIGERANT LIQUID		SPLITTER DAMPER w/4" NECK
—RS—	REFRIGERANT SUCTION		FLEXIBLE CONNECTION
	GATE VALVE		DOOR UNDERCUT (60 INDICATES CFM)
	GATE VALVE - HOSE END	H.O.A.	HAND-OFF-AUTOMATIC SWITCH
	PRESSURE REDUCING VALVE	D.A.	DIRECT ACTING
	GLOBE VALVE	R.A.	REVERSE ACTING
	ANGLE VALVE	C.P.	CONTROL PANEL
	CHECK VALVE	P.B.	PUSH BUTTON
	AUTO 2-WAY VALVE	N.C.	NORMALLY CLOSED
	FLOW CONTROL BALANCING VALVE	N.O.	NORMALLY OPEN
	STRAINER	O.	OPEN
	STEAM DRIP ASSEMBLY	P.E.	PNEUMATIC ELECTRIC SWITCH
	CONTROL VALVE ASSEMBLY	E.P.	ELECTRIC PNEUMATIC SWITCH
	PRESSURE REDUCING STATION	O.A.	OUTSIDE AIR
	PRESSURE RELIEF VALVE	A.D.	ACCESS DOOR
	GAGE	A.P.	ACCESS PANEL
	GAGE COCK	F.D.	FLOOR DRAIN
	THERMOSTAT	M.O.D.	MOTOR OPERATED DAMPER
	FIRE DAMPER W/ACCESS PANEL	V.T.R.	VENT THRU ROOF
	OVERLOADS	V.V.T.U.	VARIABLE VOLUME TERMINAL UNIT (300 INDICATED)
	STARTER HOLDING COIL	2" x 4"	AIR HANDLING LIGHT TROFFER
	AIR EXTRACTOR	D)	LIGHT TROFFER (100 INDICATED)
	PIPE IN SECTION		CONNECT TO EXISTING
—HPD—	HIGH PRESSURE DRIP ASSEMBLY	—RHG—	REFRIGERANT HOT GAS
—LPD—	LOW PRESSURE DRIP ASSEMBLY		

SATISFACTORY TO  
*Carroll*  
DATE 12/15/77



<b>J. H. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION NORFOLK, VIRGINIA	
DES. W45 PROJ. MGR. W45 DATE 12/15/77 DRAWN BY W45 CHECKED BY W45 APPROVED BY W45		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (F-100ops) New River, Camp Lejeune, North Carolina	
ADMIN. BLDG. FLOOR PLAN		NAVY DRAWING NO. 4039307 CONSTA. CONTR. NO. N62470-77-B-7100 SHEET 32 OF 56	
APPROVED BY W45 SPECIAL IN CHARGE		SIZE CODE IDENT. NO. F 80091 SCALE: 1/8" = 1'-0"	

M-3

EFD DWG. NO. 139367

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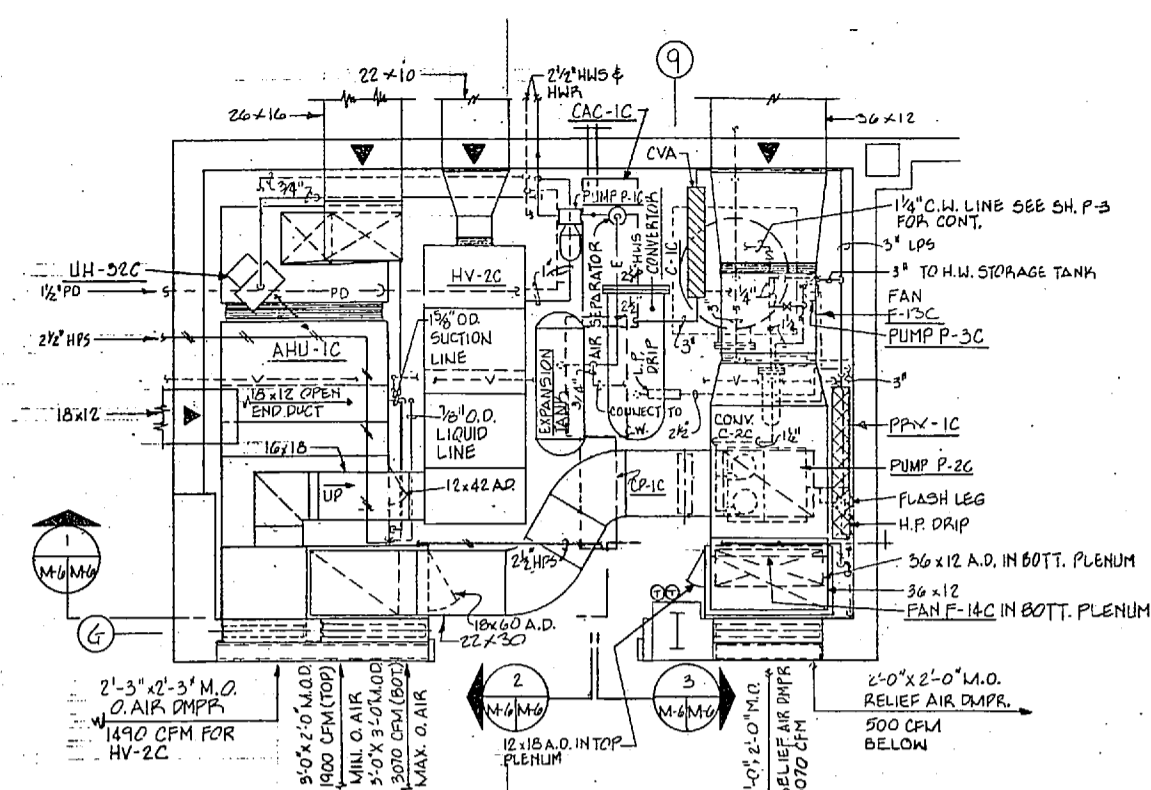
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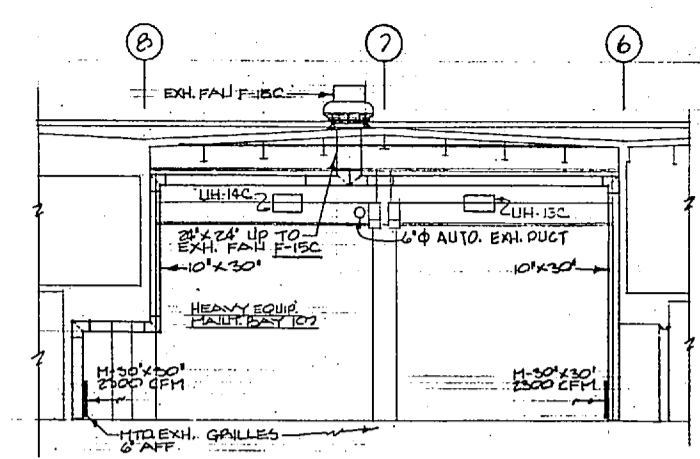
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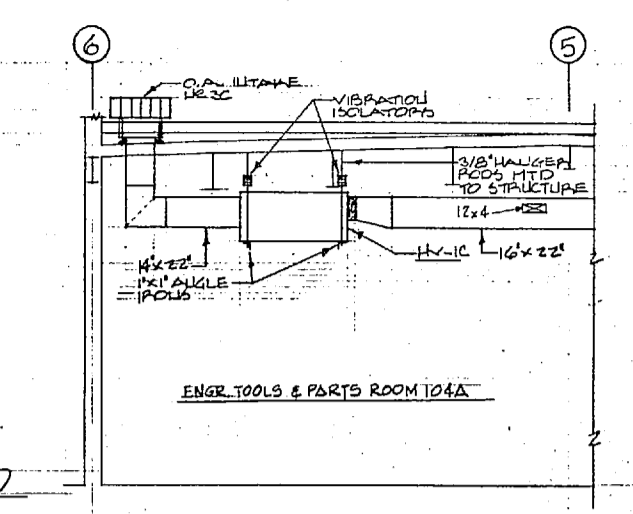
REVISIONS			
NO.	DESCRIPTION	PREP'D BY	DATE



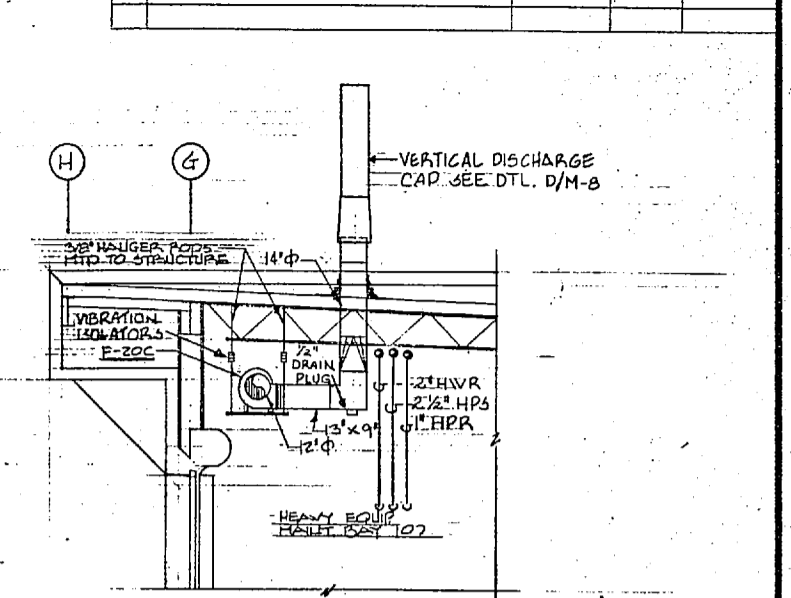
1 ENLARGED FLOOR PLAN - MECH EQUIP ROOM 135  
COMBAT VEHICLE MAINT. BLDG.  
SCALE: 3/8" = 1'-0"



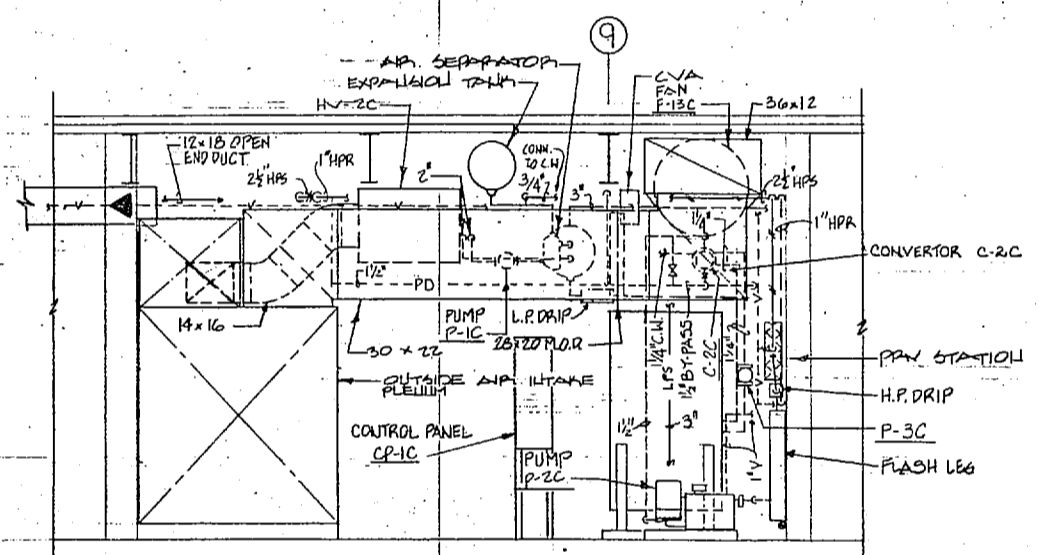
1 SECTION @ HEAVY EQUIPMENT MAINTENANCE BAY 107  
COMBAT VEHICLE MAINT. BLDG.  
SCALE: 1/8" = 1'-0"



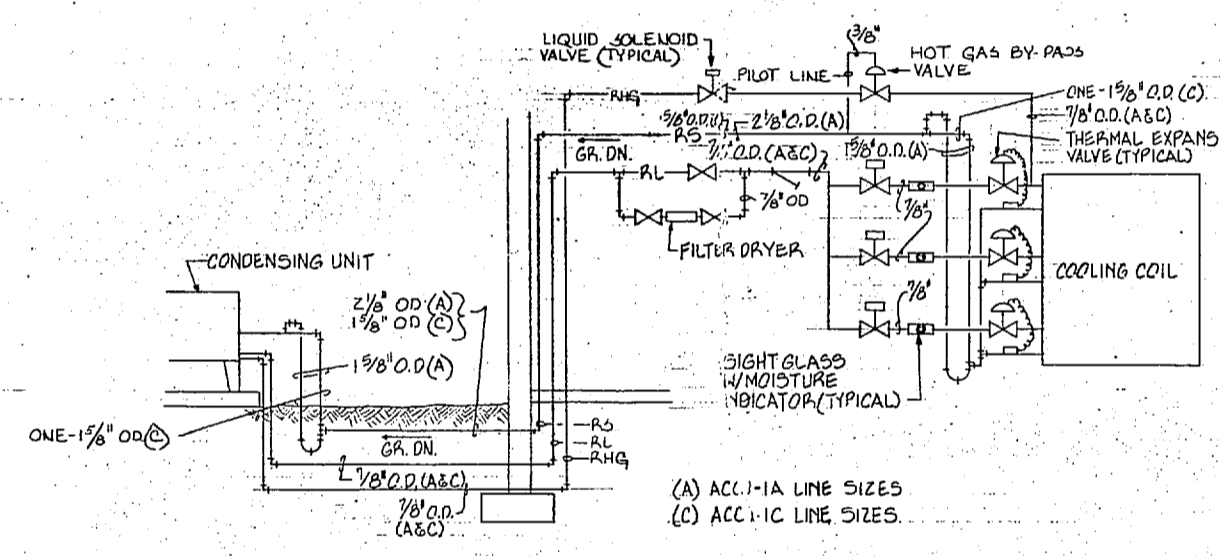
2 SECTION @ ENGR TOOLS & PARTS RM 104A  
COMBAT VEHICLE MAINT. BLDG.  
SCALE: 1/4" = 1'-0"



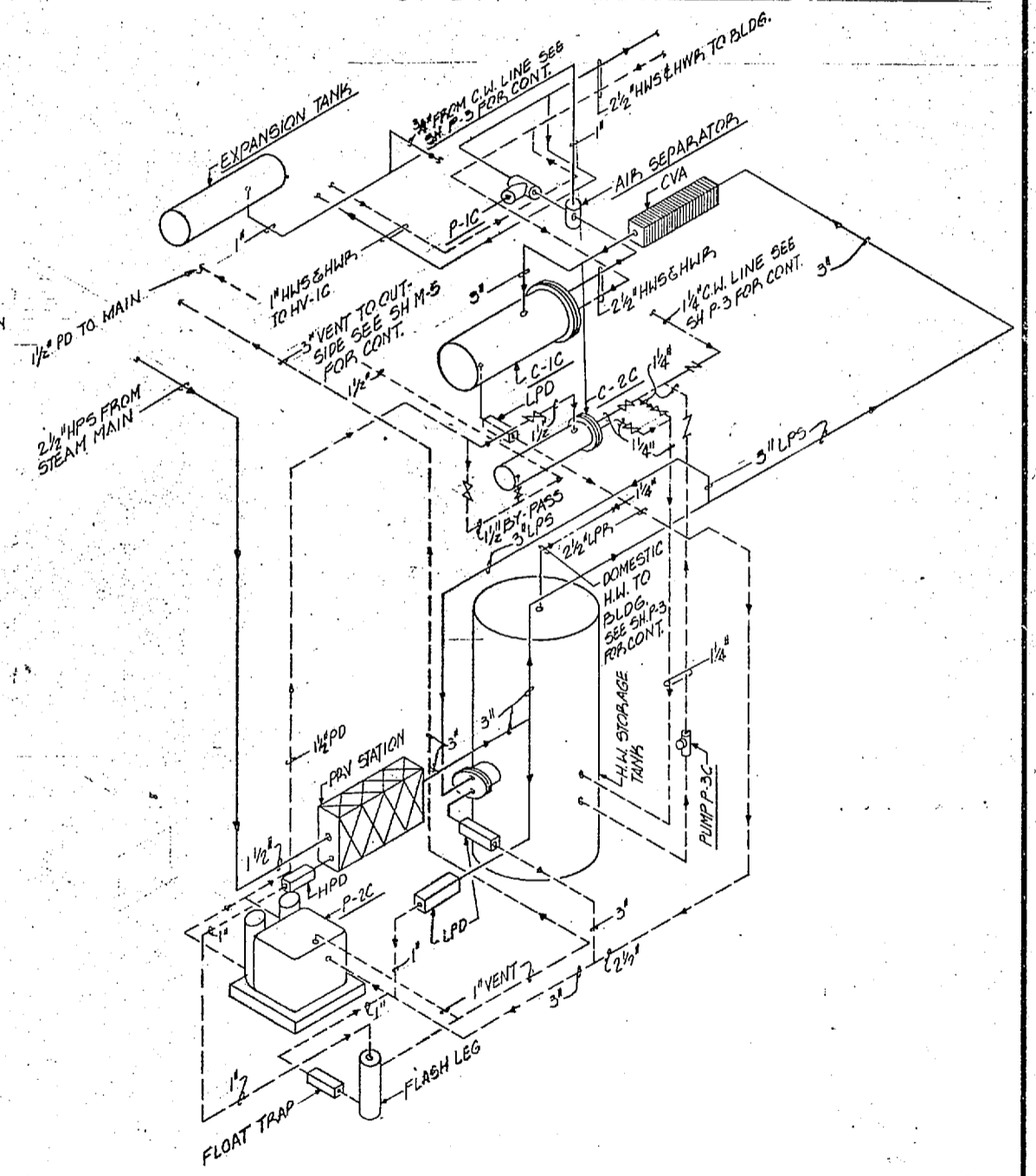
3 SECTION @ HEAVY EQUIP MAINT. BAY 107  
COMBAT VEHICLE MAINT. BLDG.  
SCALE: 1/4" = 1'-0"



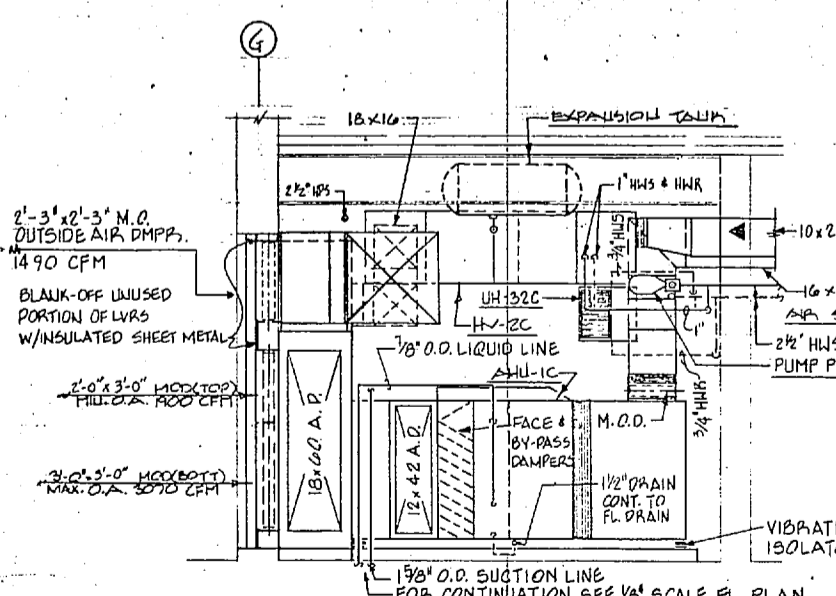
1 SECTION @ MECH EQUIP ROOM 135  
COMBAT VEHICLE MAINT. BLDG.  
SCALE: 3/8" = 1'-0"



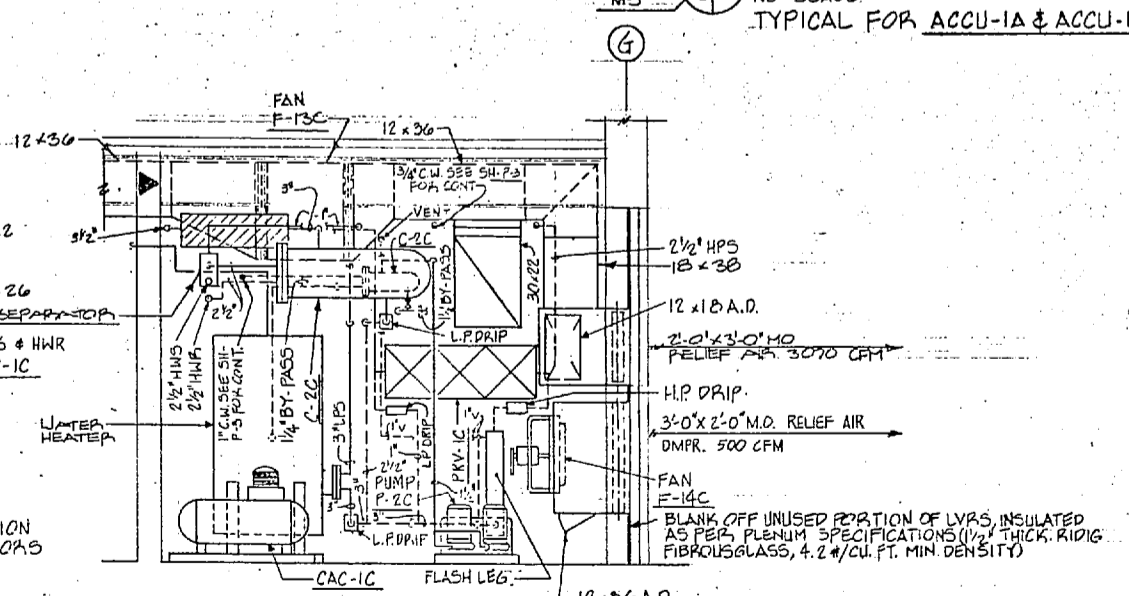
A SCHEMATIC REFRIGERANT PIPING DETAIL  
NO SCALE  
TYPICAL FOR ACCU-1A & ACCU-1C



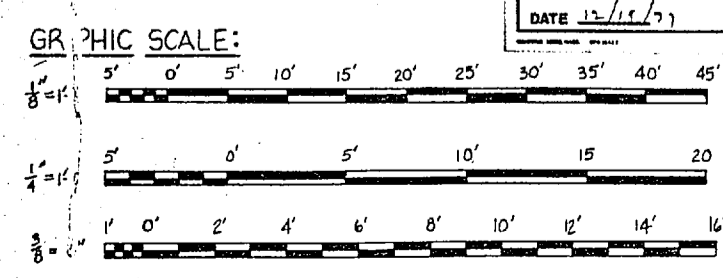
B STEAM & HOT WATER PIPING ISOMETRIC RM. 135  
NO SCALE



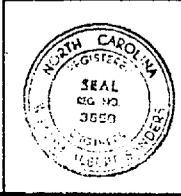
2 SECTION @ MECH EQUIP ROOM 135  
COMBAT VEHICLE MAINT. BLDG.  
SCALE: 3/8" = 1'-0"



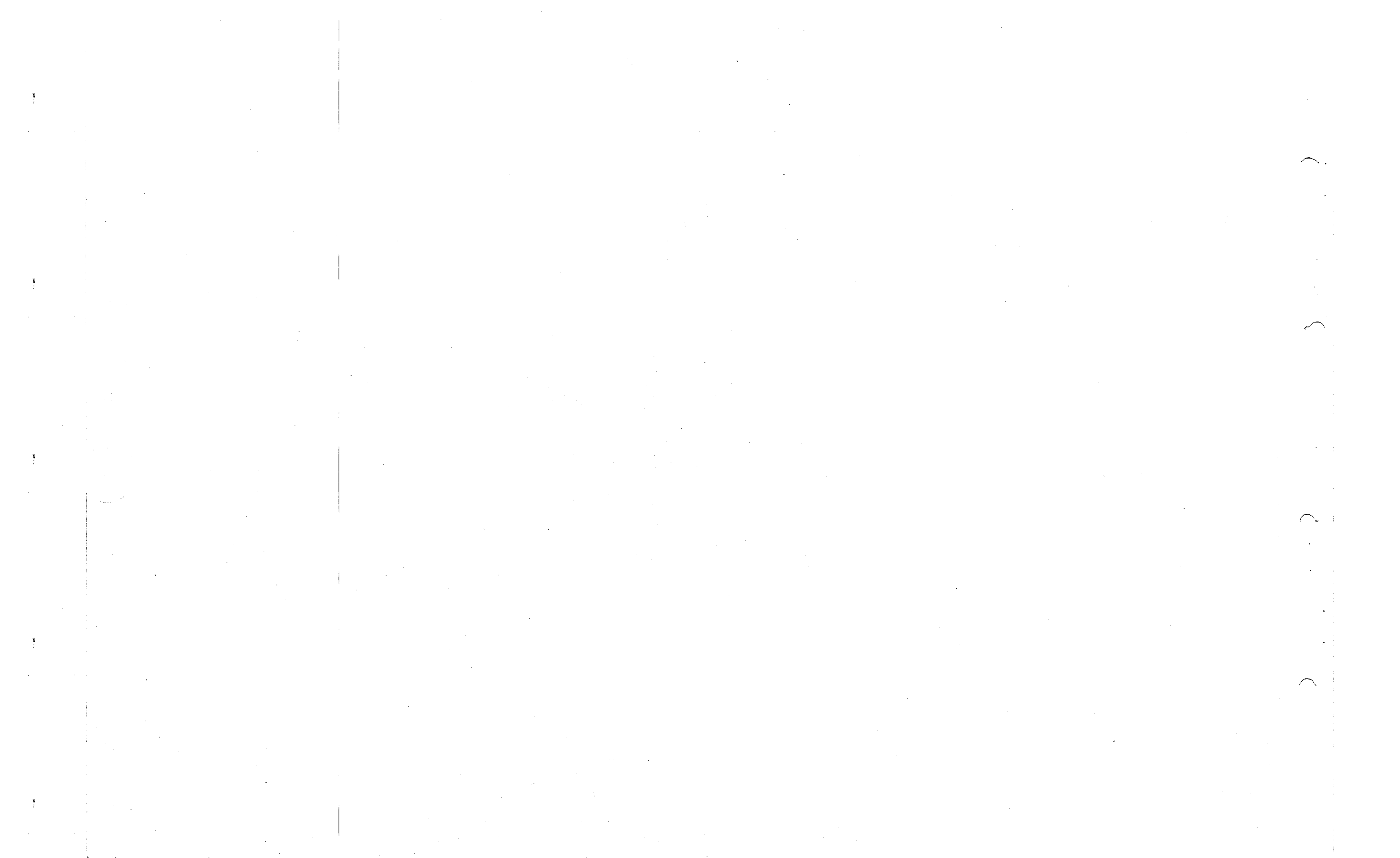
3 SECTION @ MECH. EQUIP ROOM 135  
COMBAT VEHICLE MAINT. BLDG.  
SCALE: 3/8" = 1'-0"



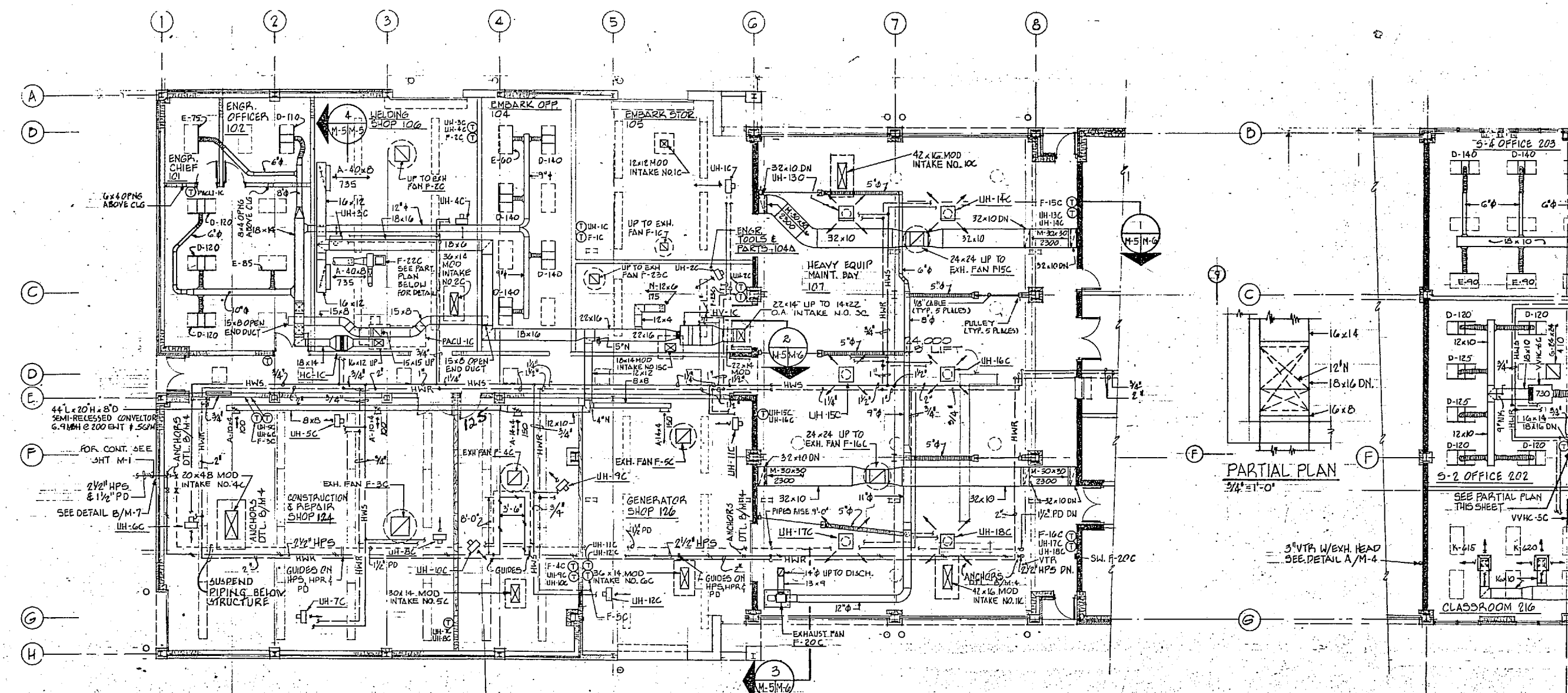
SATISFACTORY TO  
*C. J. ...*  
DATE 12/1/77



J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NORFOLK VIRGINIA	
DYL W45 PROJ MGR DATE DESIGNED BY DATE FILM NUMBER PRINCIPAL		NAVAL STATION SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
ED: J. N. PEASE NO. 30624 APPROVED OFFICER IN CHARGE DATE		COMBAT VEH. MAINT. BLDG. EQUIP. RM. PLAN NAVFAC DRAWING NO. 1039370 CONSTR. CONTR. NO. N62470-TT-B-700	
SCALE		SHEET 35 OF 36 EFD DWG. NO. 139370	

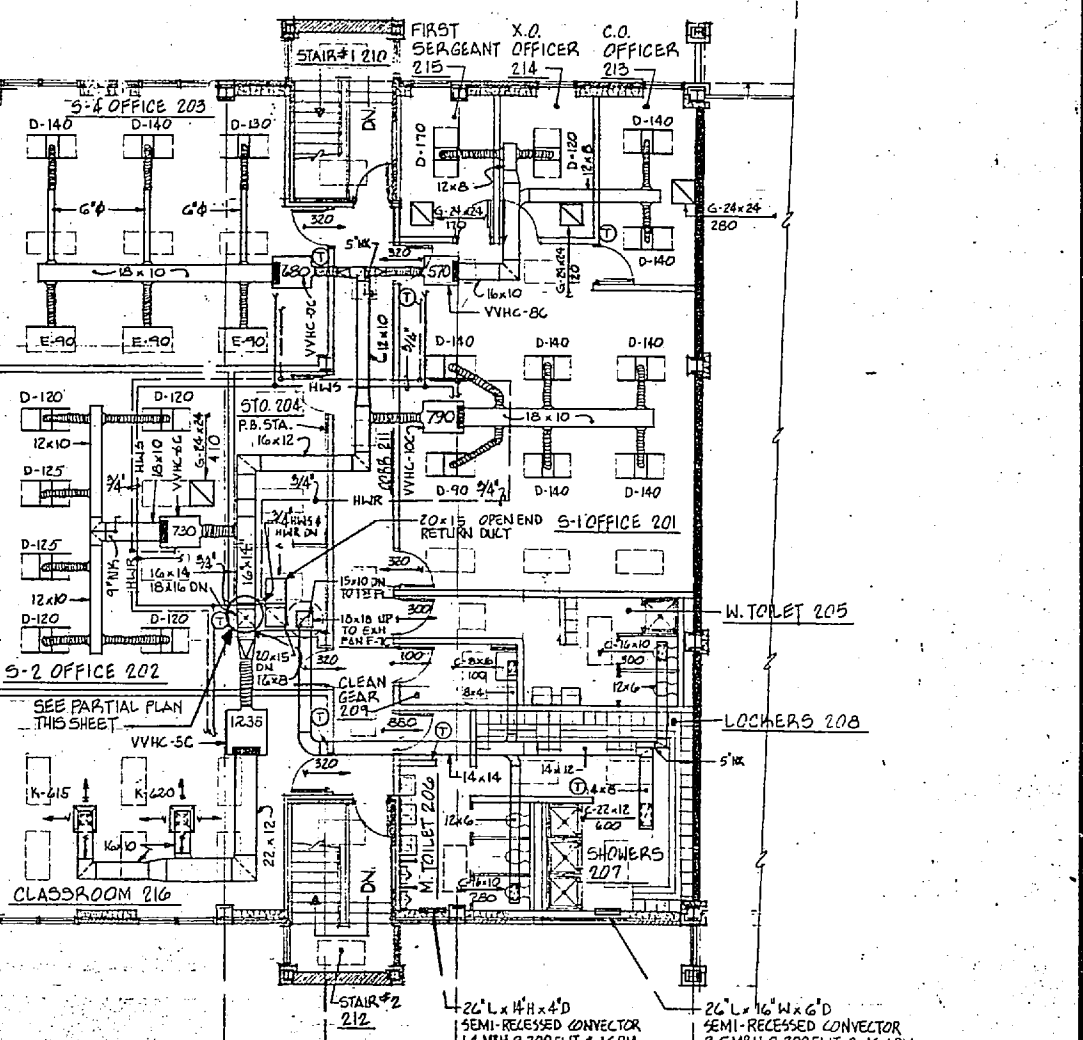


REVISIONS			
NO.	DESCRIPTION	PREP BY	DATE

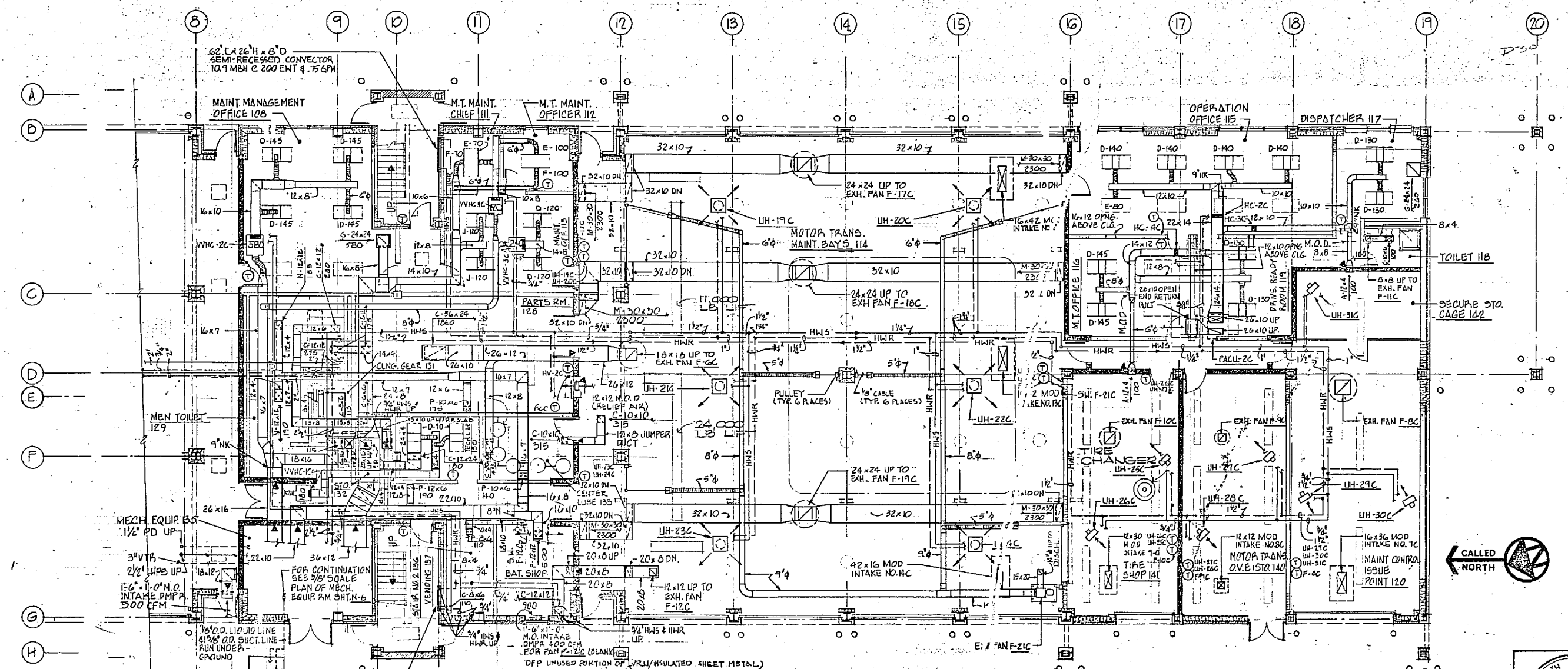


**FLOOR PLAN - NORTH**  
SCALE: 1/8" = 1'-0"

PARTIAL PLAN  
3/4" = 1'-0"

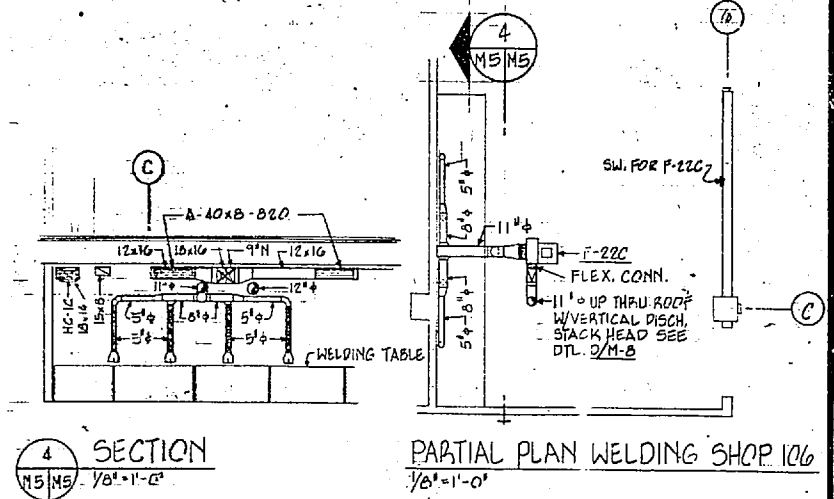
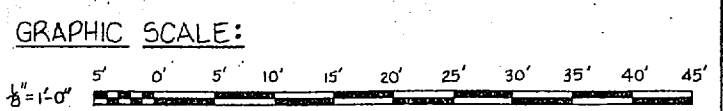


**SECOND FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



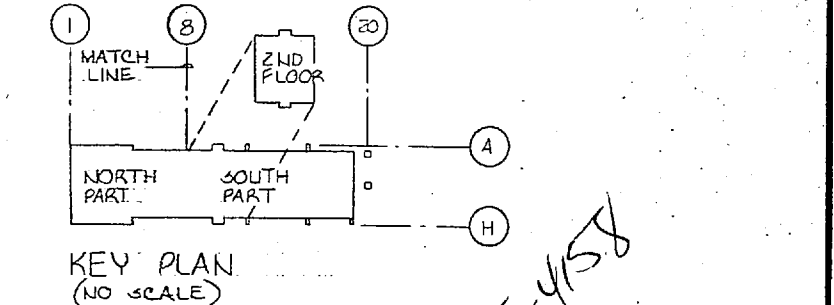
**FLOOR PLAN - SOUTH**  
SCALE: 1/8" = 1'-0"

COMBAT VEHICLE MAINTENANCE FACILITY



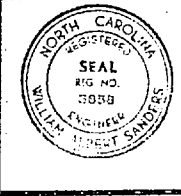
**SECTION 4**  
1/8" = 1'-0"

**PARTIAL PLAN WELDING SHOP 106**  
1/8" = 1'-0"



**KEY PLAN**  
(NO SCALE)

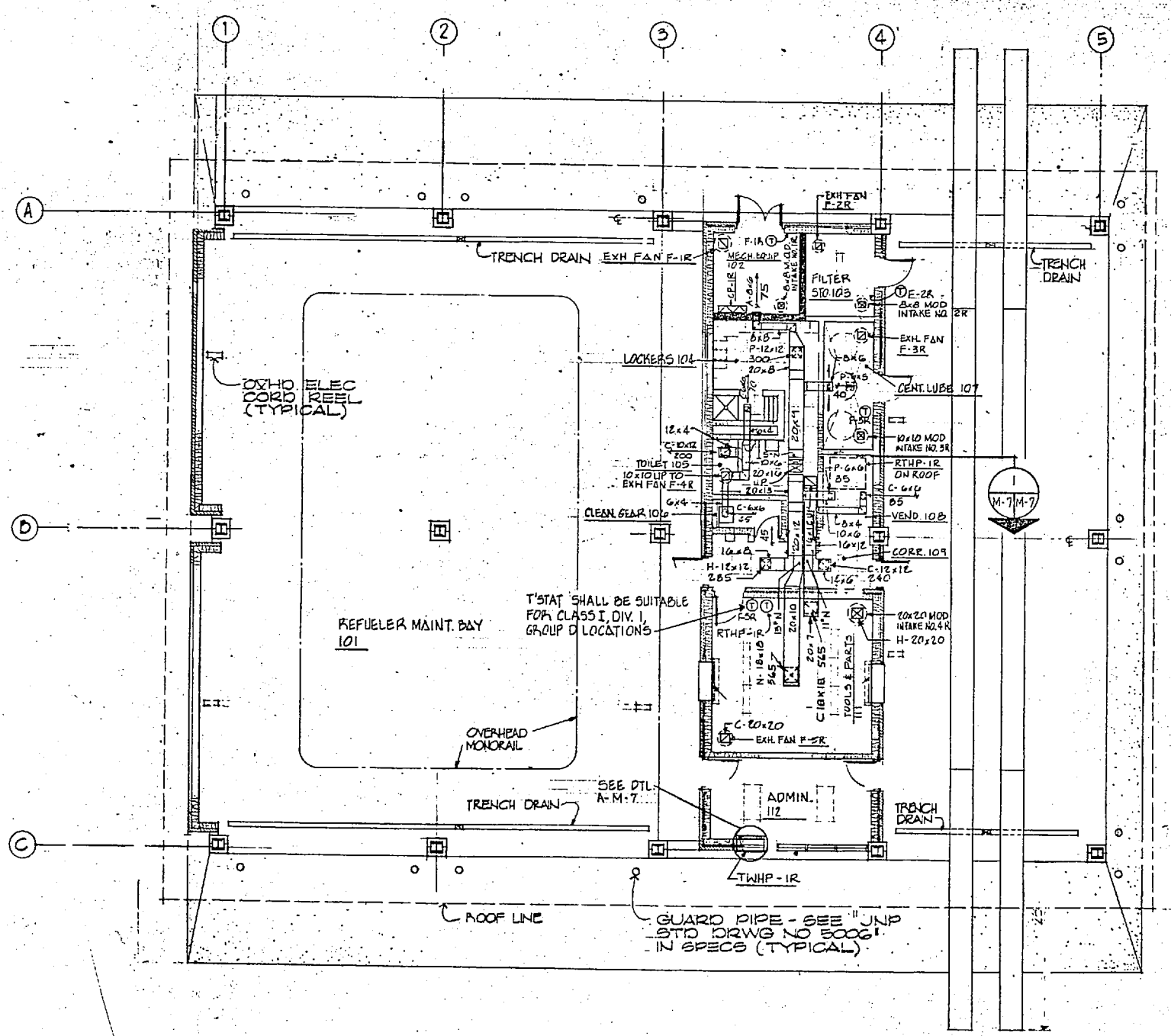
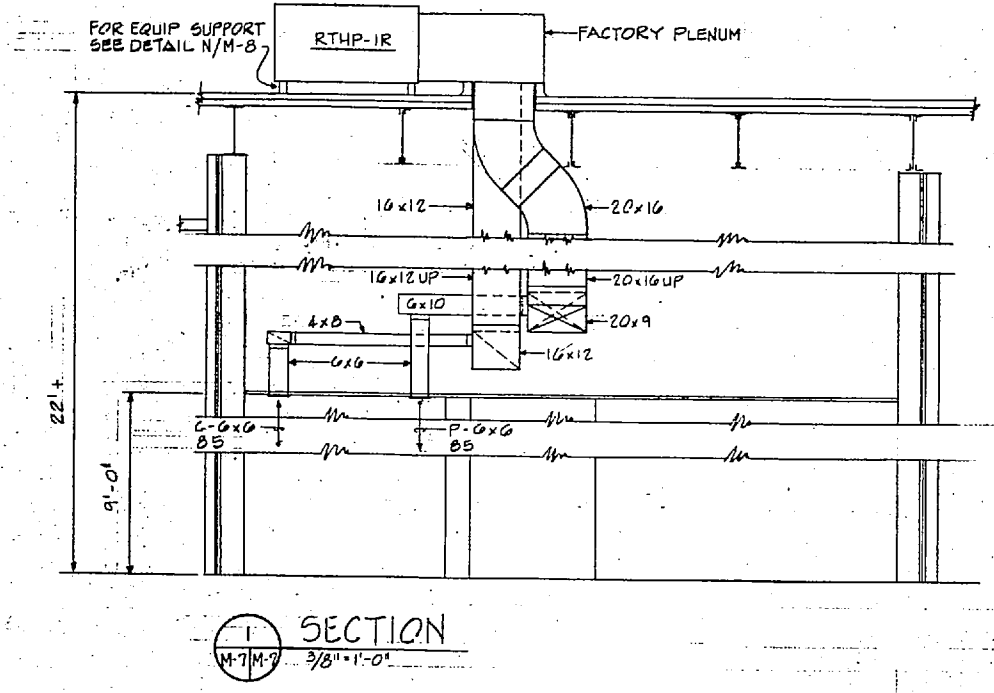
SATISFACTORY TO  
*[Signature]*  
DATE: 12/19/77



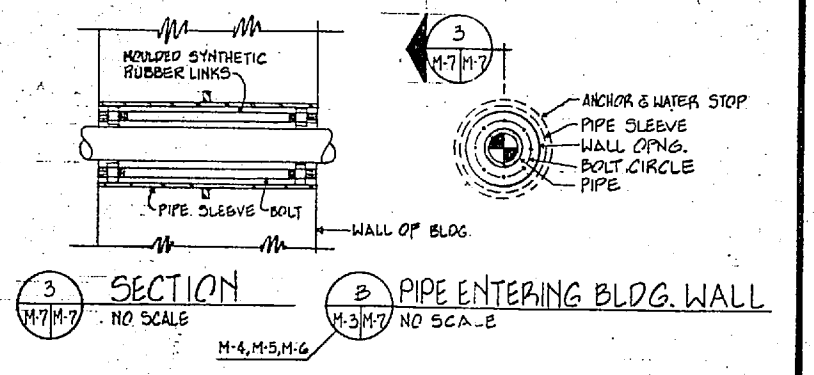
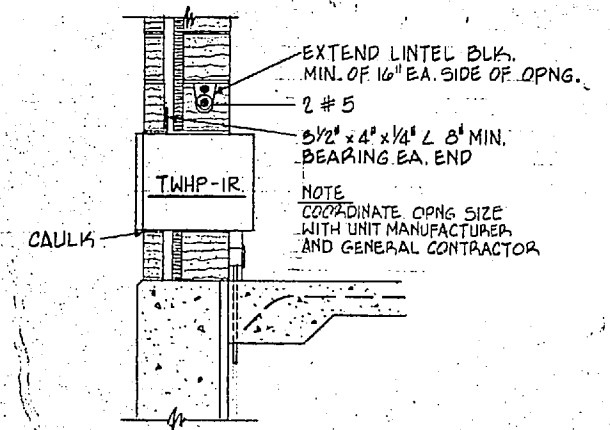
<b>J. N. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE, NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION NORFOLK, VIRGINIA	
PROJ. NO. 139369 DRAWING NO. 4039369 DATE: 12/19/77 DESIGNED BY: [Signature] CHECKED BY: [Signature]	SECOND MAR. IE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	COMBAT VEH. MAINT. BLDG. FLOOR PLAN NAVY DRAWING NO. <b>80091</b>	CONST. CONTR. NO. N62470-TT-B-7100 SHEET 34 OF 56 139369



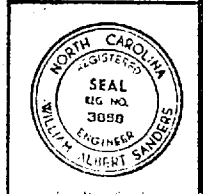
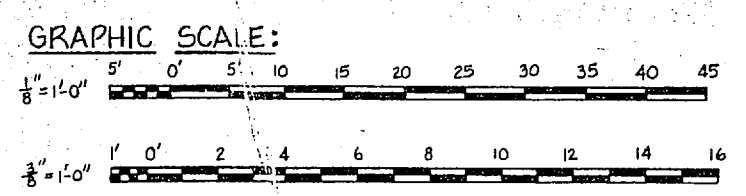
REVISIONS			
NO.	DESCRIPTION	PREP'D BY	DATE



- NOTES:
1. EXTEND DUCTS (SIZE TO BE 1 INCH LESS THAN THROAT SIZE) DOWN FROM ALL INTAKES & FANS THRU SLAB 9'-4" ABOVE FIN. FLOOR IN ROOMS 103 & 107
  2. EXTEND DUCTS (SIZE TO MATCH REGISTERS) DOWN TO ALL REGISTERS THRU CEILING SLAB IN ROOM 107



SECTION 2: THROUGH THE WALL HEAT PUMP  
NO SCALE

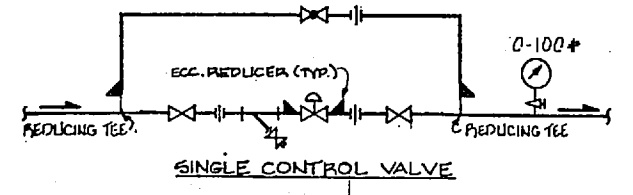


<b>J. N. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>ATLANTIC DIVISION</b> NAVAL STATION NORFOLK, VIRGINIA	
DRG. NO. 80091 PROJ. MGR. / DATE: 11/28/77 SUBMITTER: [Signature] DESIGNED BY: [Signature] CHECKED BY: [Signature]	SEC. 2D MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	REFUELER VEH. MAINT. BLDG. FL. PLAN & EQUIP. ROOM SIZE: 80091 HAYFAC DRAWING NO.: 4039371 CONST. CONTR. NO.: N62470-TT-B-7100	<b>M-7</b> SHEET 36 OF 56 EFD DWG. NO. 139371

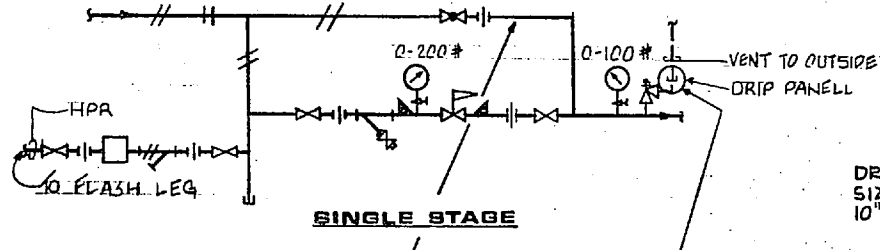
SATISFACTORY TO: [Signature]  
 DATE: 2/1/77

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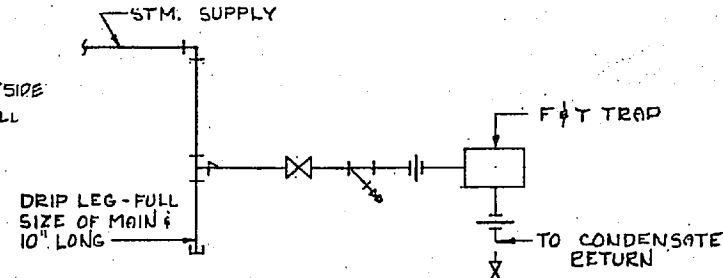
REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED



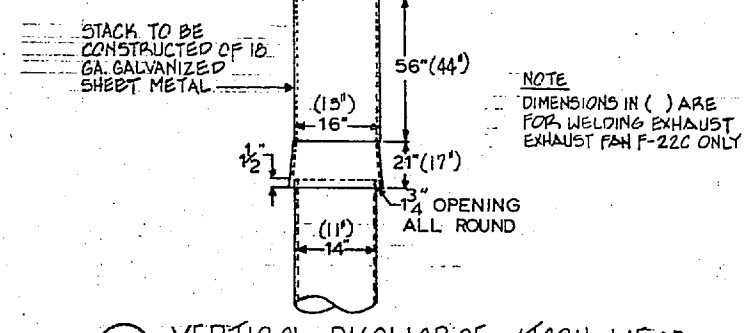
**A CONTROL VALVE ASSEMBLY**  
M-6  
NO SCALE



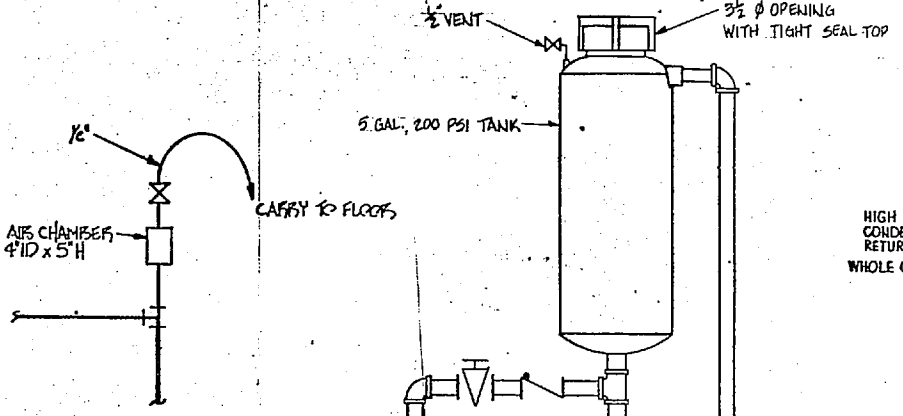
**B STEAM PRV STATION**  
M-6  
NO SCALE



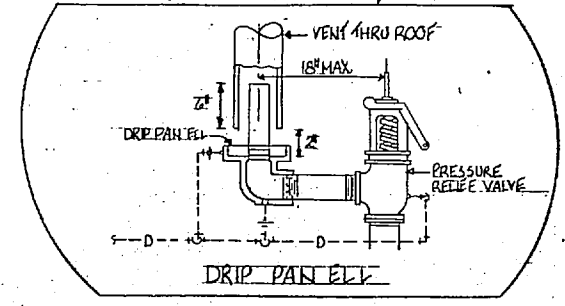
**C LOW PRESSURE DRIP ASSEMBLY**  
M-6  
NO SCALE



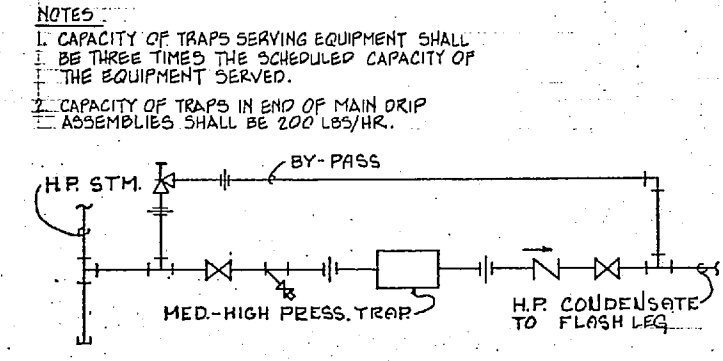
**D VERTICAL DISCHARGE STACK HEAD**  
NO SCALE



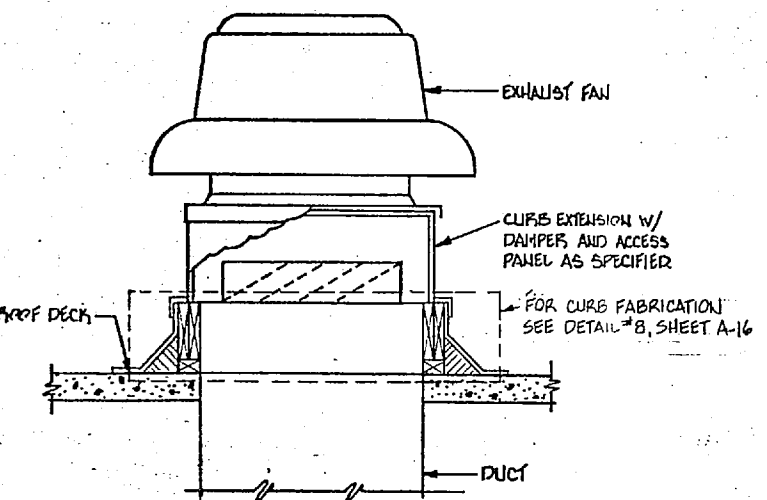
**E MANUAL AIR VENT**  
M-4, M-5, M-6  
NO SCALE



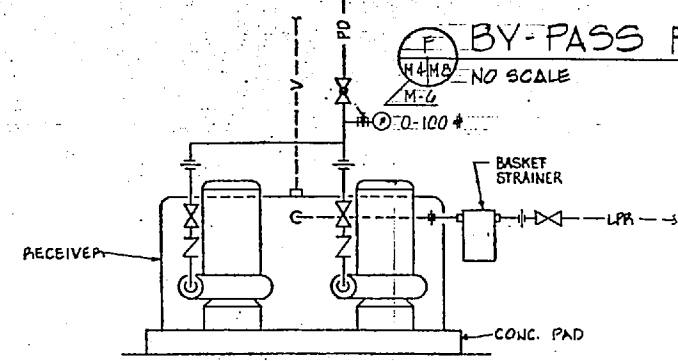
**F FLASH LEG DETAIL**  
M-6  
NO SCALE



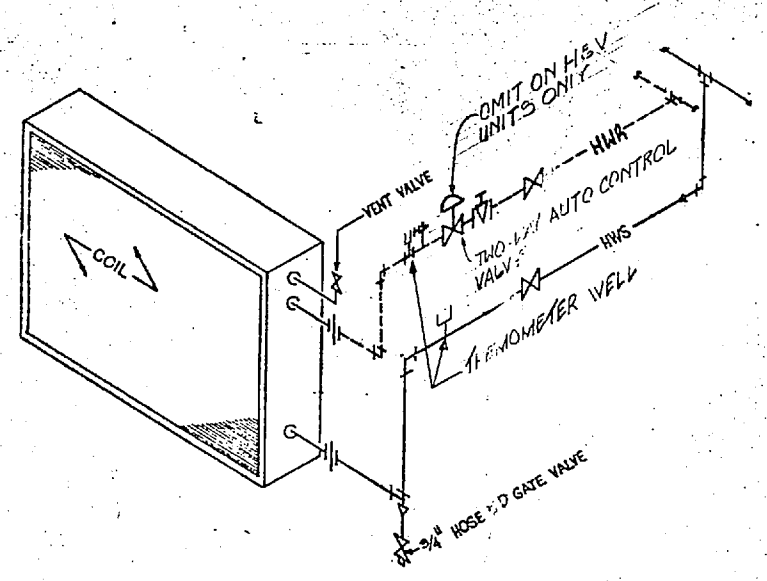
**G HIGH PRESSURE DRIP ASSEMBLY**  
M-4, M-5, M-6  
NO SCALE



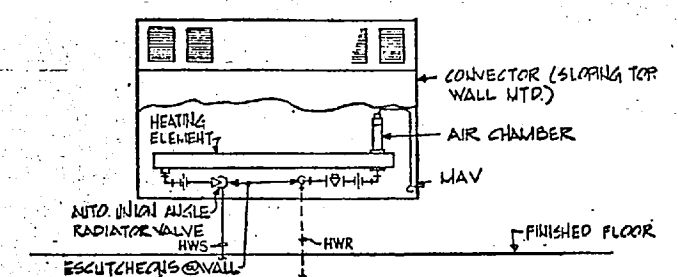
**H ROOF EXHAUST FAN INSTALLATION**  
M-4, M-5, M-6, M-7  
NO SCALE



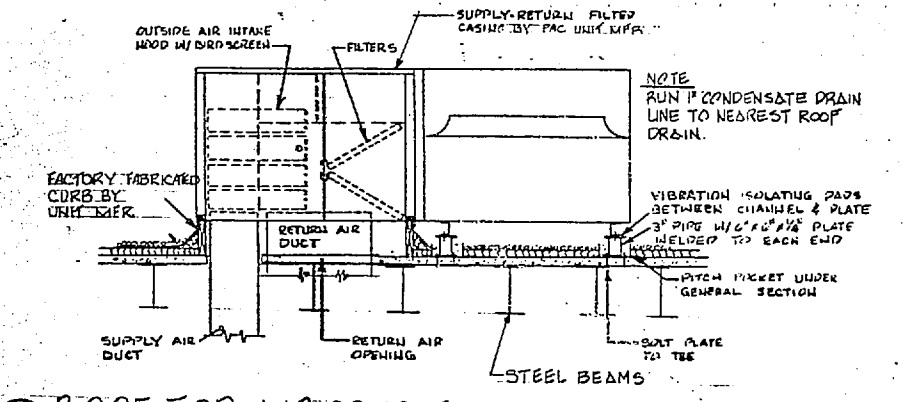
**I DUPLEX CONDENSATE PUMP**  
M-6  
NO SCALE



**J HOT WATER COIL PIPING DIAGRAM**  
M-4, M-5, M-6  
NO SCALE

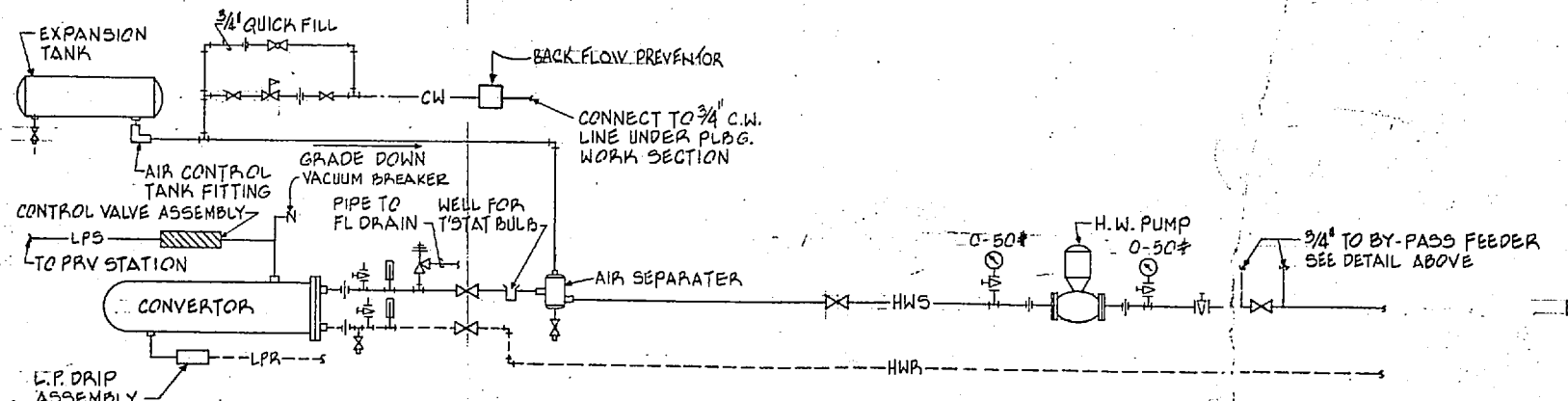


**K CONVECTOR PIPING DETAIL**  
M-6  
NO SCALE

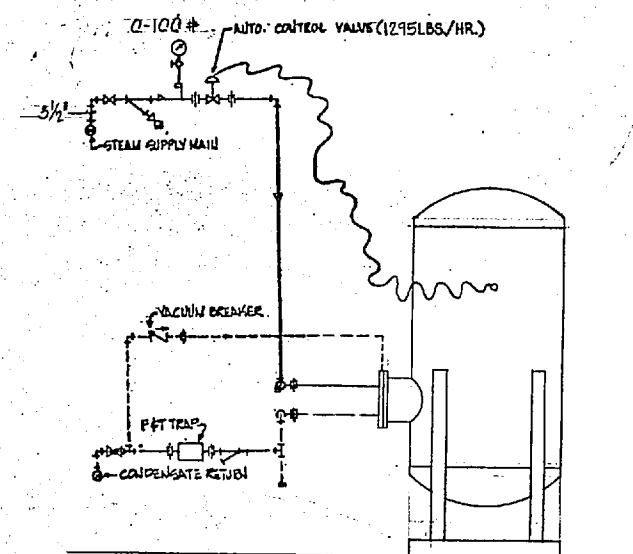


**L ROOF TOP AIRCONDITIONING UNIT DETAIL**  
M-7  
NO SCALE

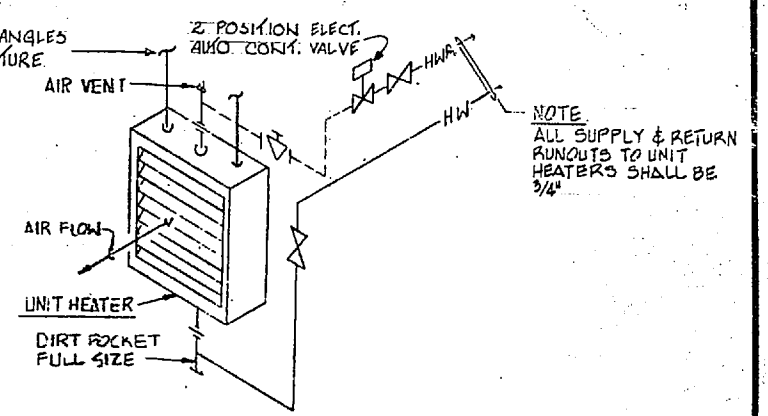
EXPANSION TANK SCHEDULE	
BUILDING	TANK SIZE
ADMIN.	30 GAL.
CVM	60 GAL.



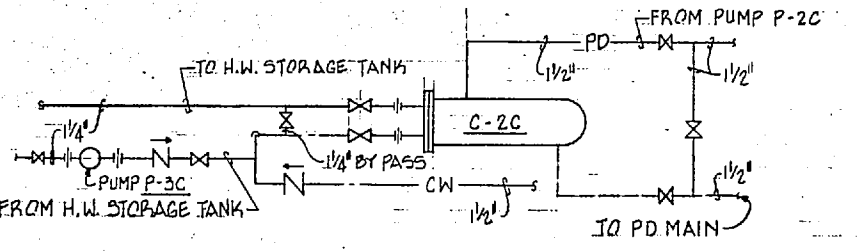
**M SCHEMATIC HOT WATER PIPING DIAGRAM**  
M-6  
NO SCALE



**N H.W. STORAGE GENERATOR PIPING**  
M-6  
NO SCALE



**O HOT WATER UNIT HEATER**  
M-4, M-5, M-6  
NO SCALE



**P CONVECTOR C-2C PIPING DIAGRAM**  
M-6  
NO SCALE

SATISFACTORY TO  
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DATE 12/1/77



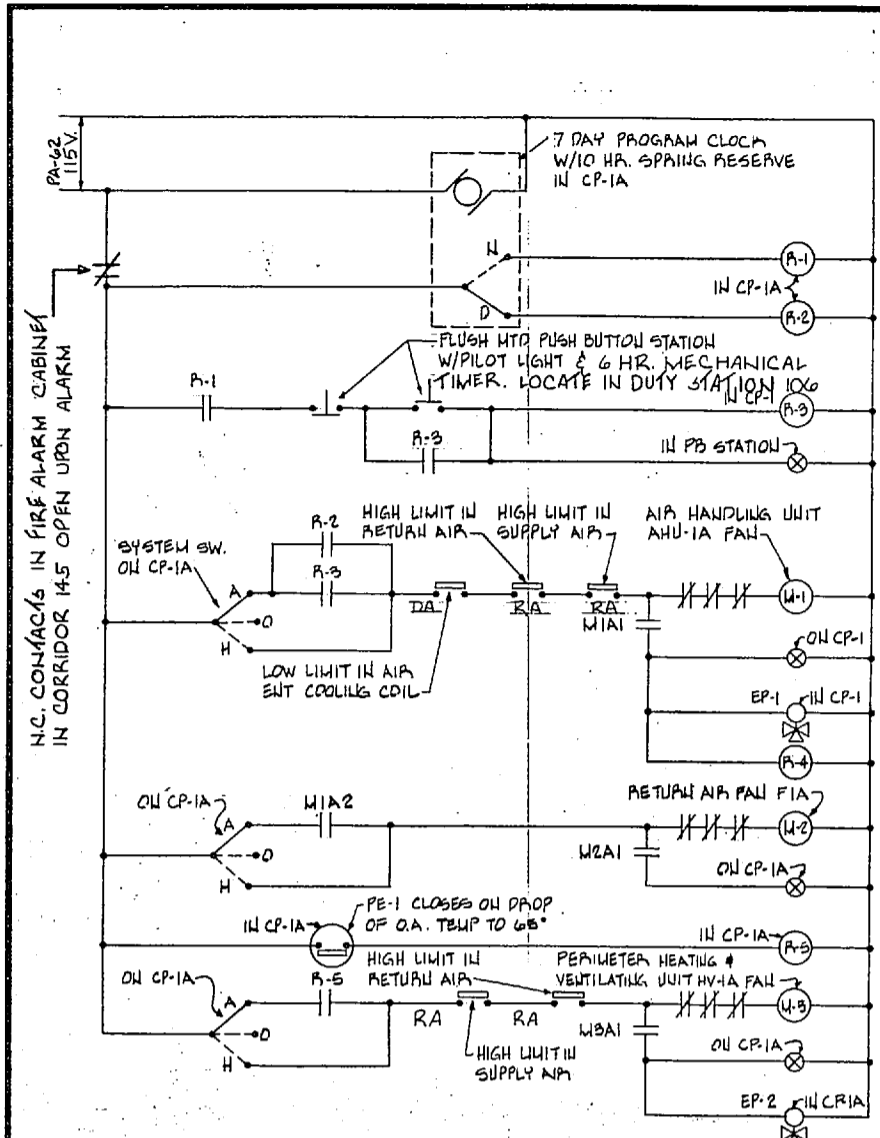
<b>M-8</b>	
J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION HUNTERSBURG VIRGINIA
PROJ. NO. 4039372 DATE 12/1/77	SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina
APPROVED DATE 12/1/77	DETAILS NAVAEC DRAWING NO. 4039372 CONSTR. CONTR. NO. NG2470-TT-B-7100
DATE 12/1/77	SCALE SHEET 37 OF 56 139372

Vertical line on the left side of the page.

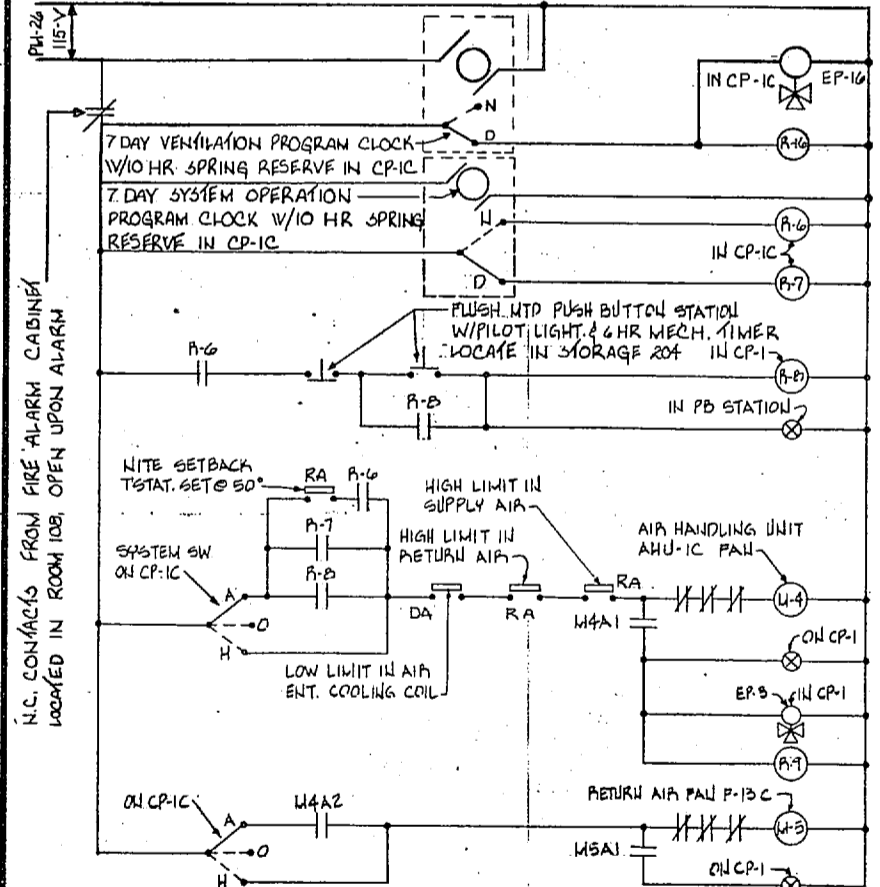
Vertical line in the middle of the page.

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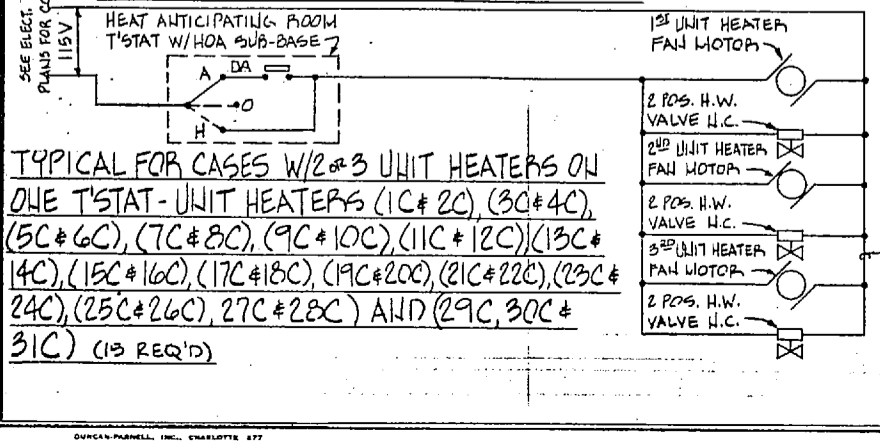




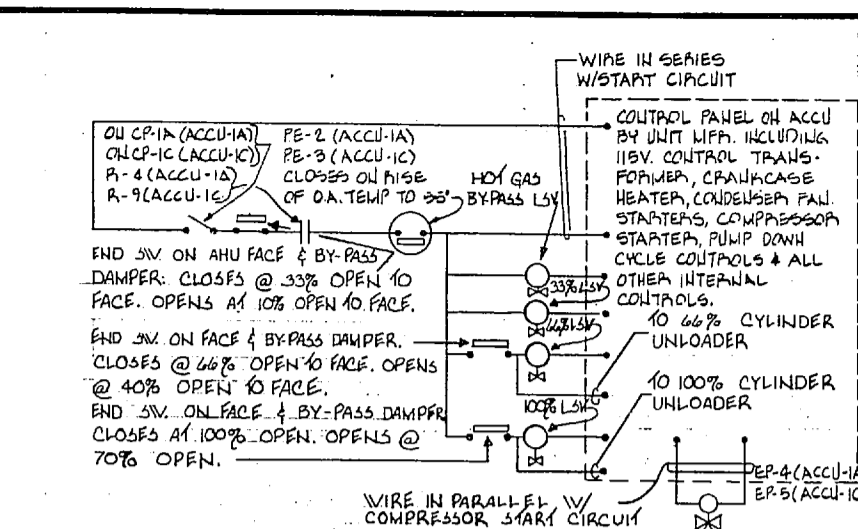
ADMINISTRATION FACILITY AIR HANDLING SYSTEM



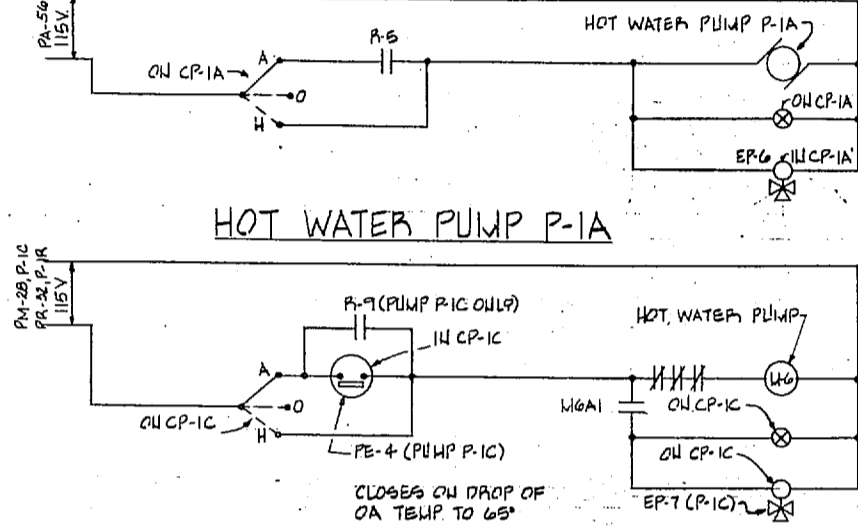
COMBAT VEHICLE MAINT. FACILITY MAINT. OFFICE AIR HANDLING SYSTEM



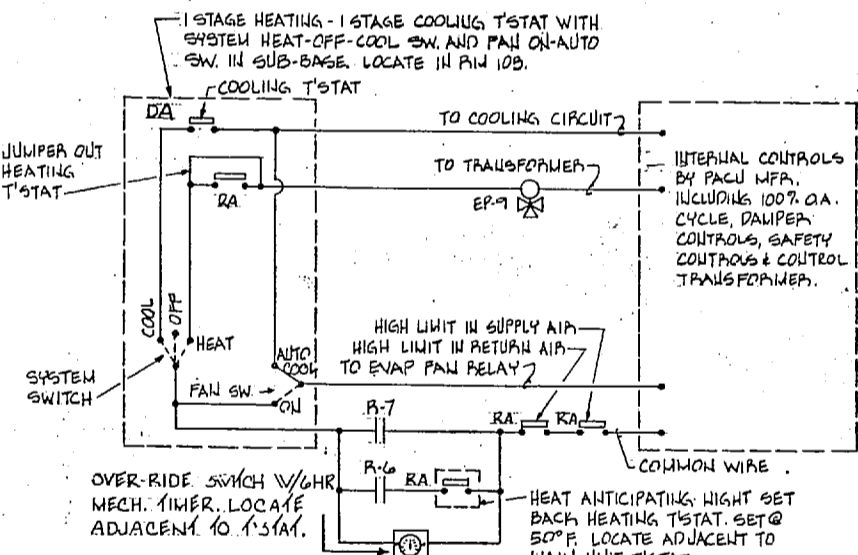
TYPICAL FOR CASES W/2 OR 3 UNIT HEATERS ON ONE T'STAT - UNIT HEATERS (1C & 2C), (3C & 4C), (5C & 6C), (7C & 8C), (9C & 10C), (11C & 12C), (13C & 14C), (15C & 16C), (17C & 18C), (19C & 20C), (21C & 22C), (23C & 24C), (25C & 26C), (27C & 28C) AND (29C, 30C & 31C) (13 REQ'D)



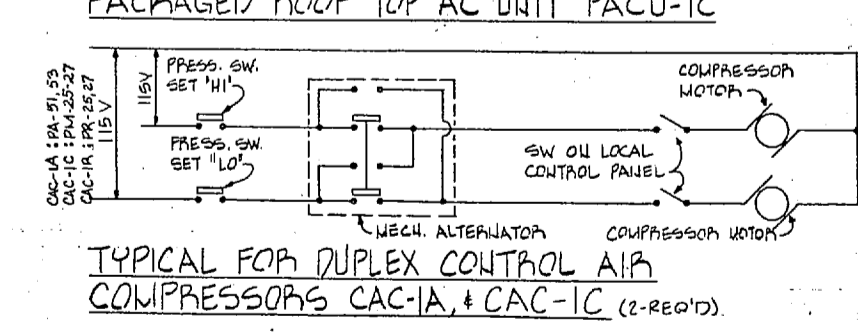
TYPICAL FOR AIR COOLED CONDENSING UNITS ACCU-1A & ACCU-1C (2 REQ'D)



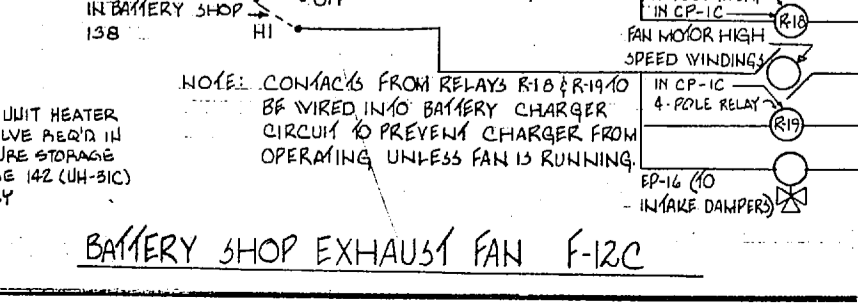
HOT WATER PUMP P-1A



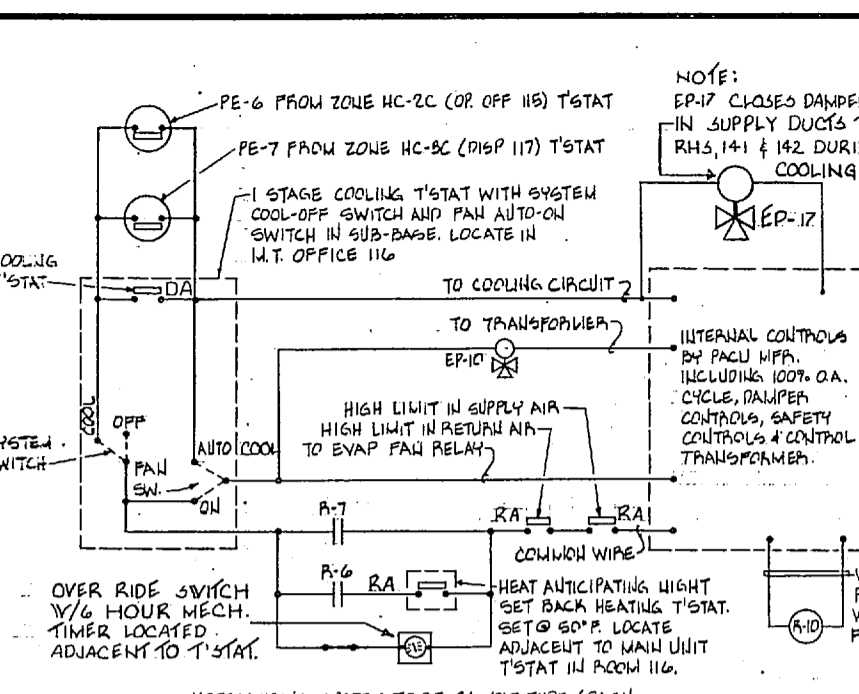
HOT WATER PUMP P-1C



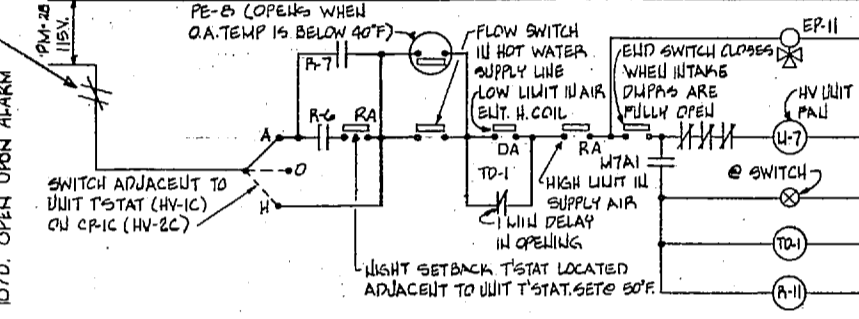
TYPICAL FOR DUPLEX CONTROL AIR COMPRESSORS CAC-1A & CAC-1C (2-REQ'D)



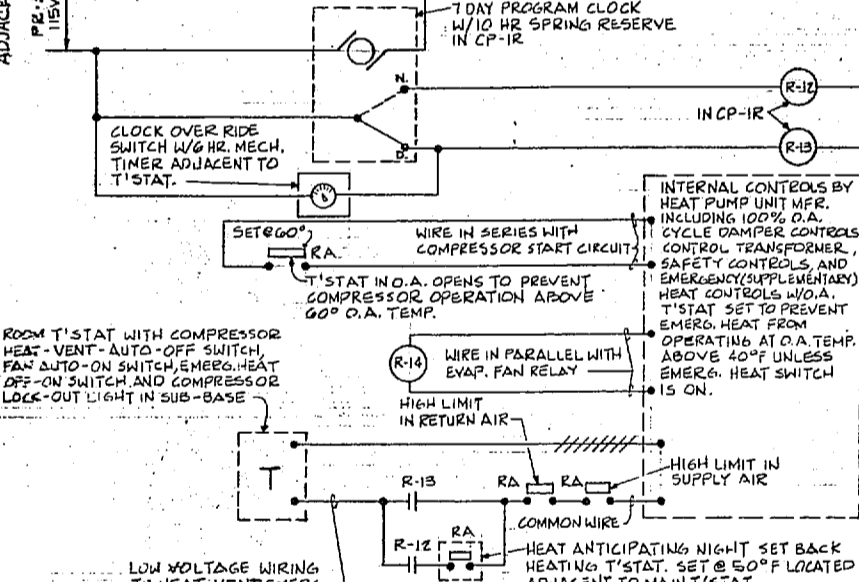
BATTERY SHOP EXHAUST FAN F-12C



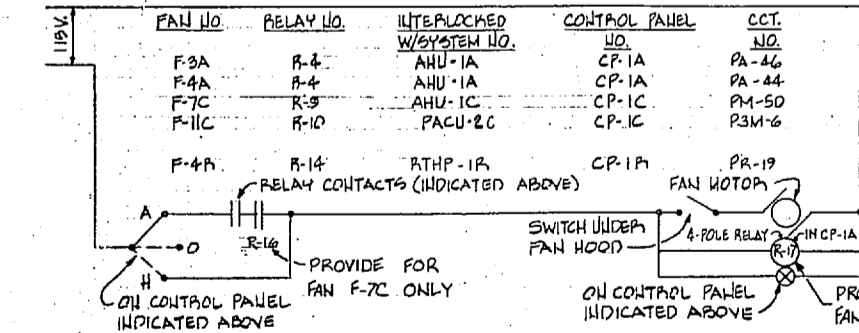
PACKAGED ROOF TOP AC UNIT PACU-2C



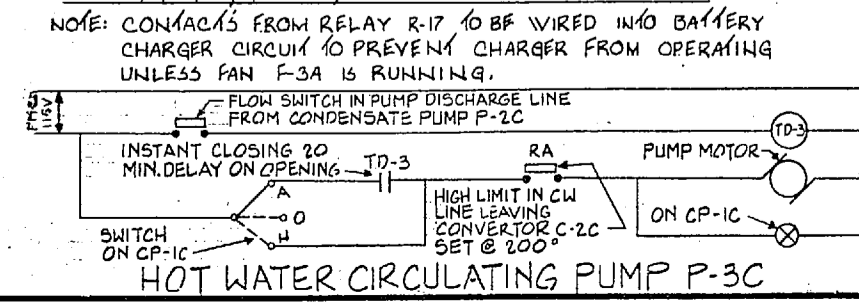
TYPICAL FOR HEATING & VENTILATING UNITS HV-1C & HV-2C (2 REQ'D)



ROOF TOP HEAT PUMP UNIT RTHP-1B



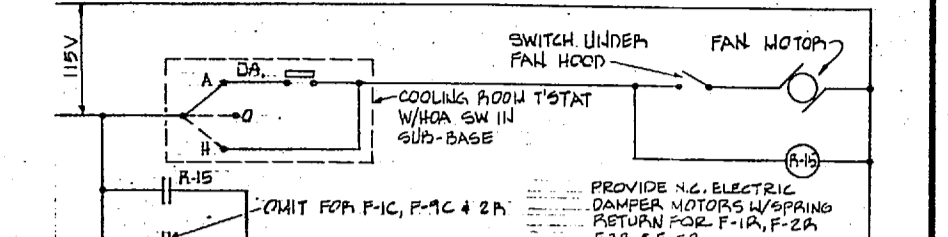
TYPICAL FOR SINGLE PHASE EXHAUST FANS INTERLOCKED W/OTHER SYSTEMS- FANS F-3A, F-4A, F-7C, F-11C, F-12C & F-4B (6 REQ'D)



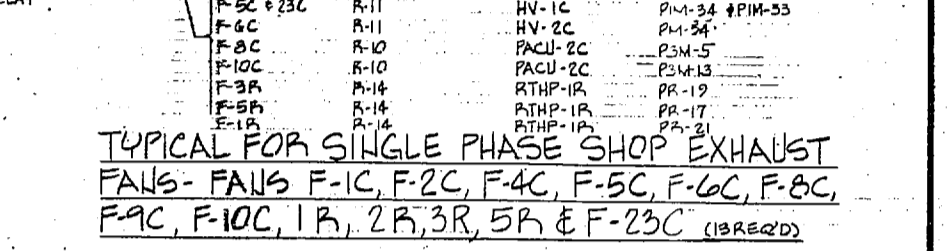
HOT WATER CIRCULATING PUMP P-3C

REV	DESCRIPTION	PREP BY	DATE	APPROVED

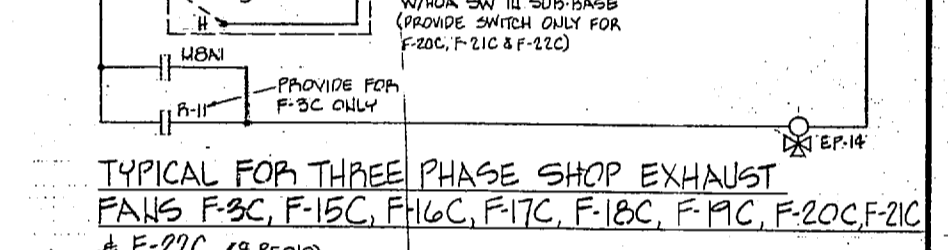
NOTES: 1. POWER WIRING FOR 1 & 3 MOTORS SHALL BE FURNISHED UNDER DIVISION 15. ALL DEVICES & CONTROL WIRING (TO RELAYS ETC) SHALL BE FURNISHED UNDER DIVISION 15.  
2. D.A. (DIRECT ACTING) ELECTRIC CONTROL - CLOSING ON RISE IN TEMP.  
3. R.A. (REVERSE ACTING) ELECTRIC CONTROL - OPENS ON RISE IN TEMP.



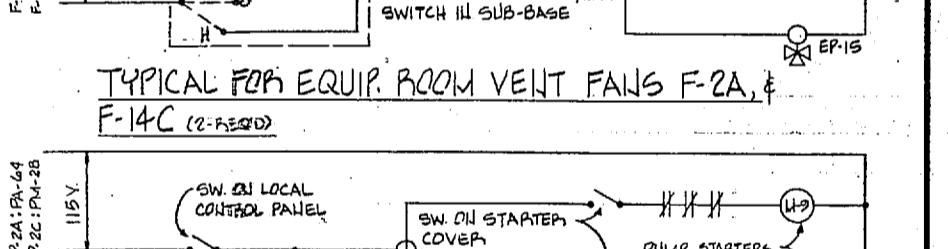
TYPICAL FOR SINGLE PHASE SHOP EXHAUST FANS- FANS F-1C, F-2C, F-4C, F-5C, F-6C, F-8C, F-9C, F-10C, 1R, 2R, 3R, 5R & F-23C (13 REQ'D)



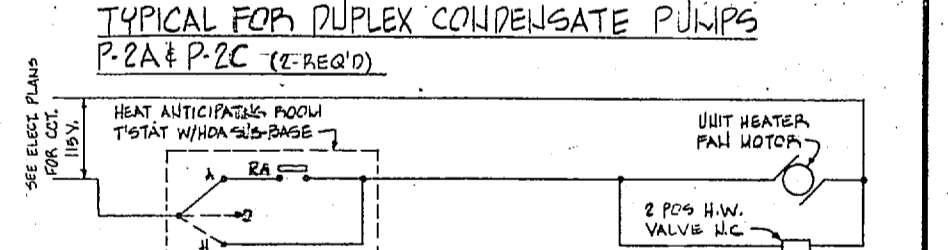
TYPICAL FOR THREE PHASE SHOP EXHAUST FANS F-3C, F-15C, F-16C, F-17C, F-18C, F-19C, F-20C, F-21C & F-22C (9 REQ'D)



TYPICAL FOR EQUIP. ROOM VENT FANS F-2A, & F-14C (2-REQ'D)



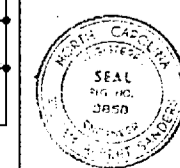
TYPICAL FOR DUPLEX CONDENSATE PUMPS P-2A & P-2C (2-REQ'D)



TYPICAL FOR UNIT HEATERS 1A, 2A, 3A & 32C (4 REQ'D)

SATISFACTORY TO  
DATE 12/13/77

<b>J. N. REASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION NORFOLK, VIRGINIA	
DATE: 12/13/77 DRAWING NO: 4039373 SHEET NO: 33 OF 54		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
APPROVED: [Signature] DATE: 12/13/77		CONTROL WIRING NAVY DRAWING NO: 4039373 CONSTRUCTION NO: N6240-TT-B-7100	



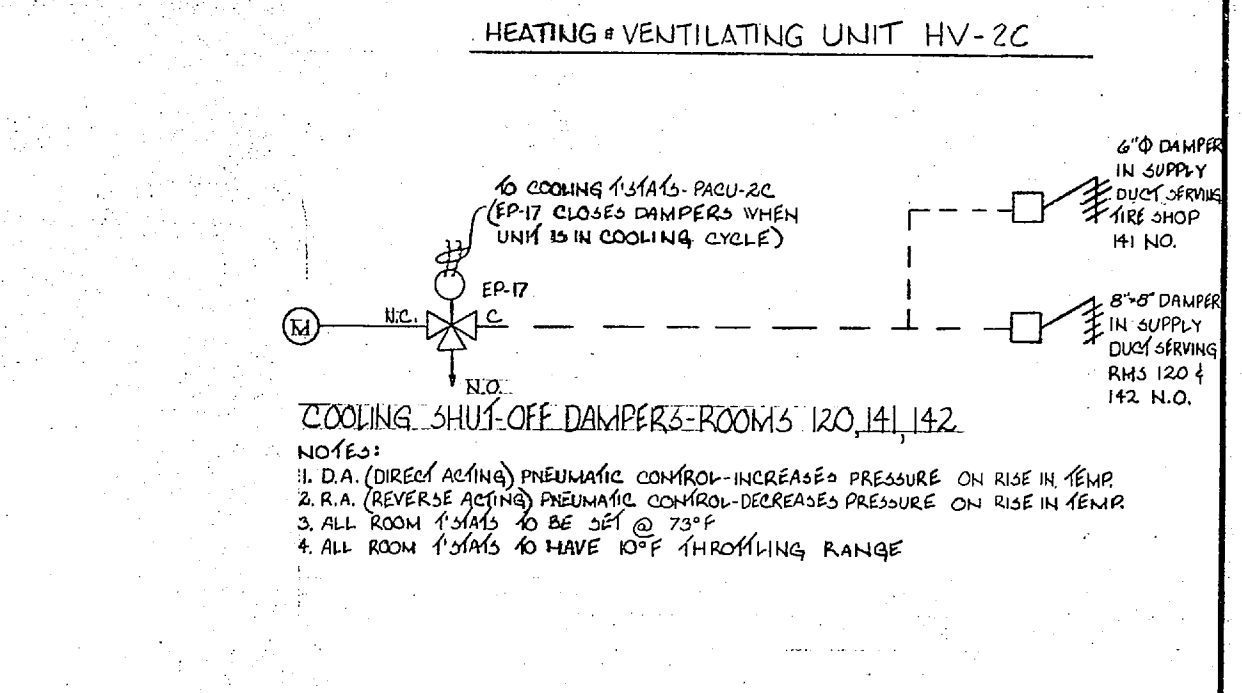
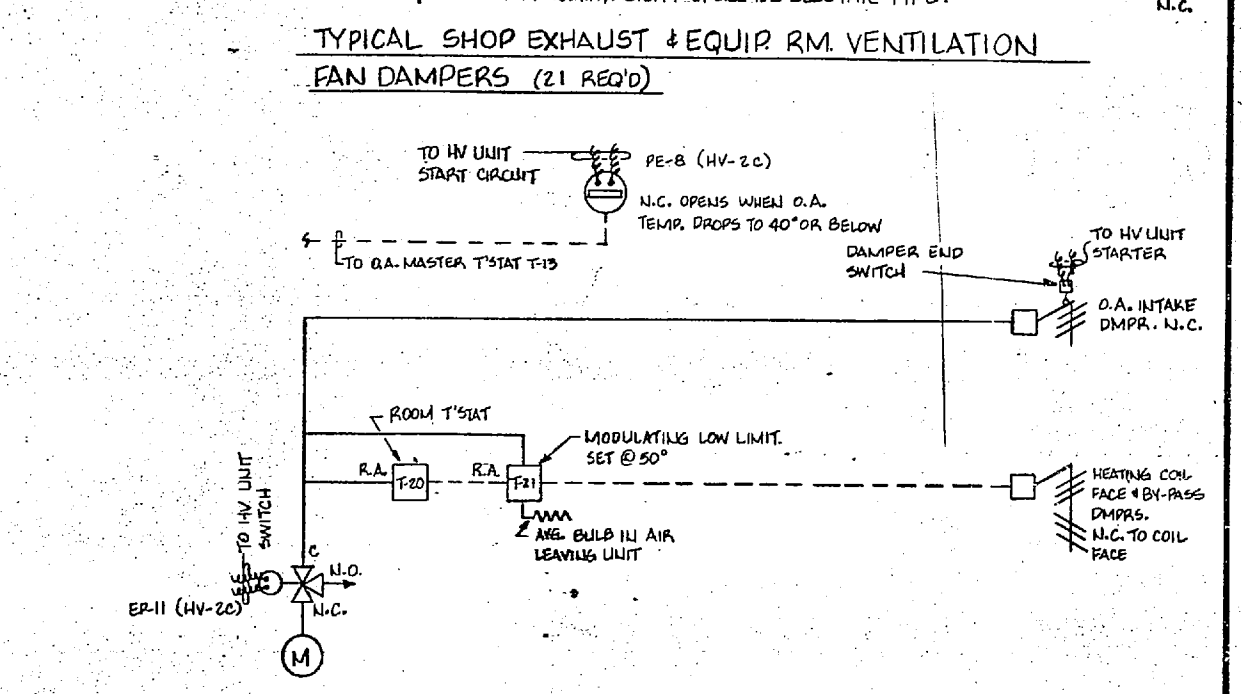
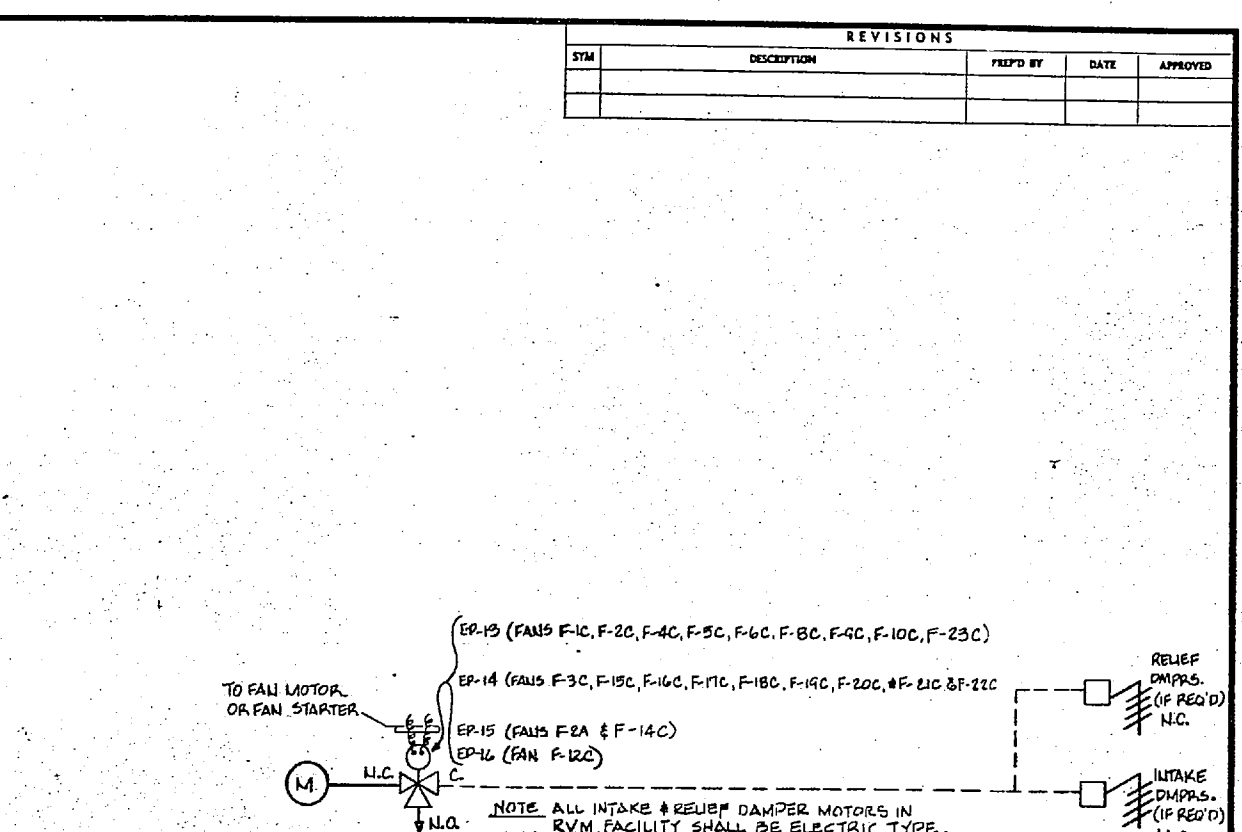
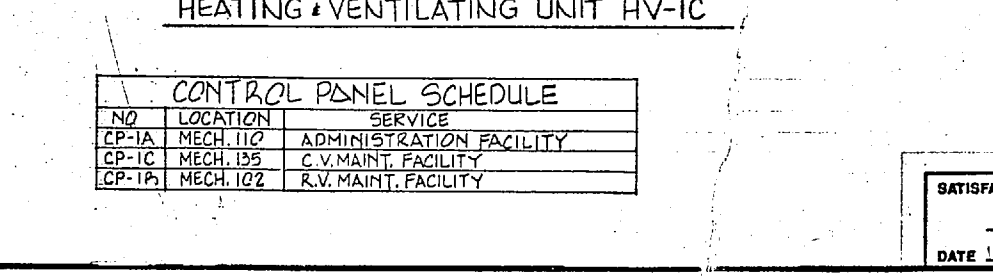
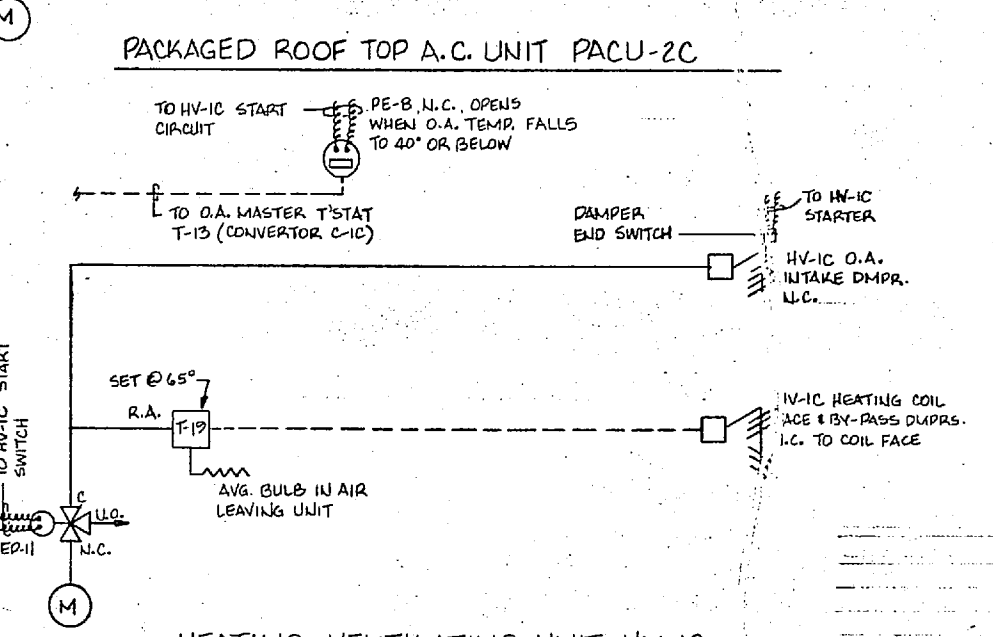
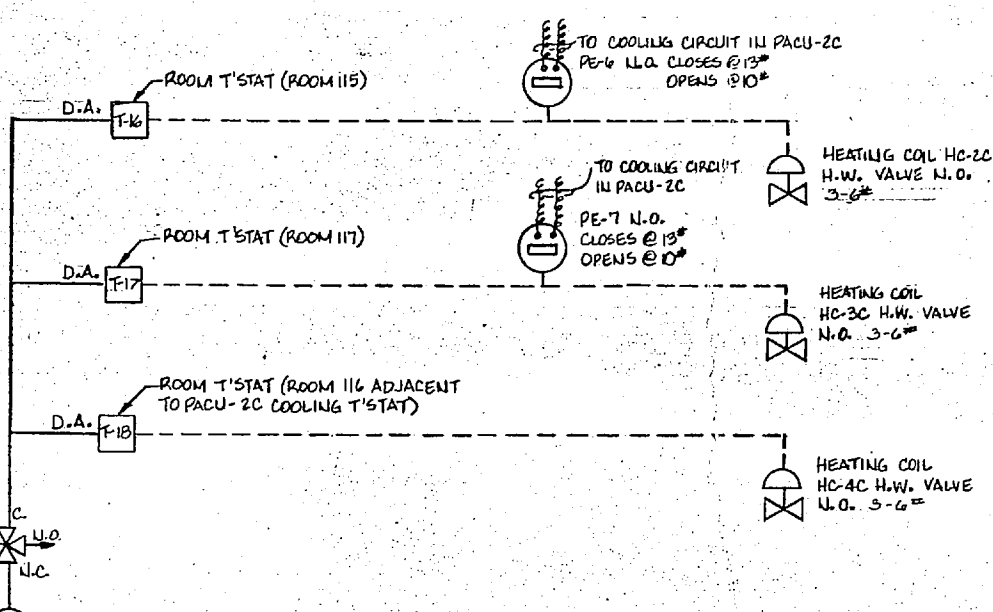
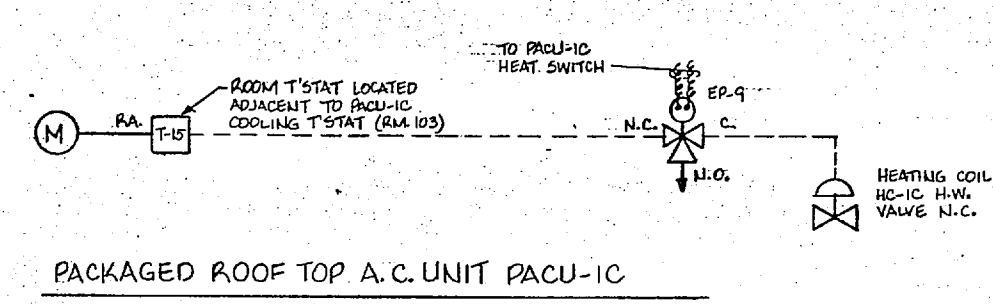
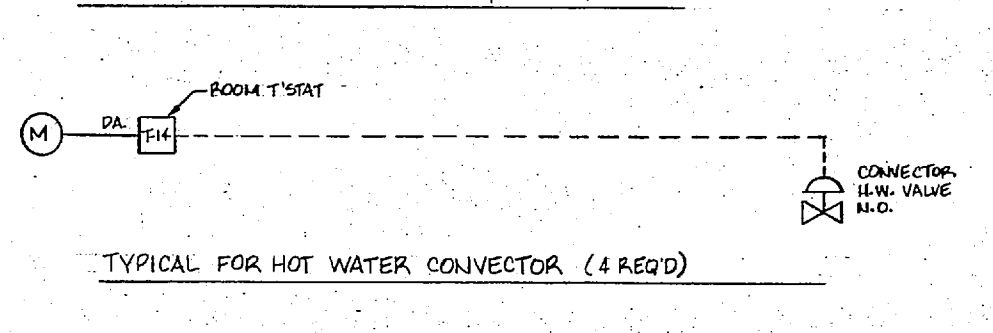
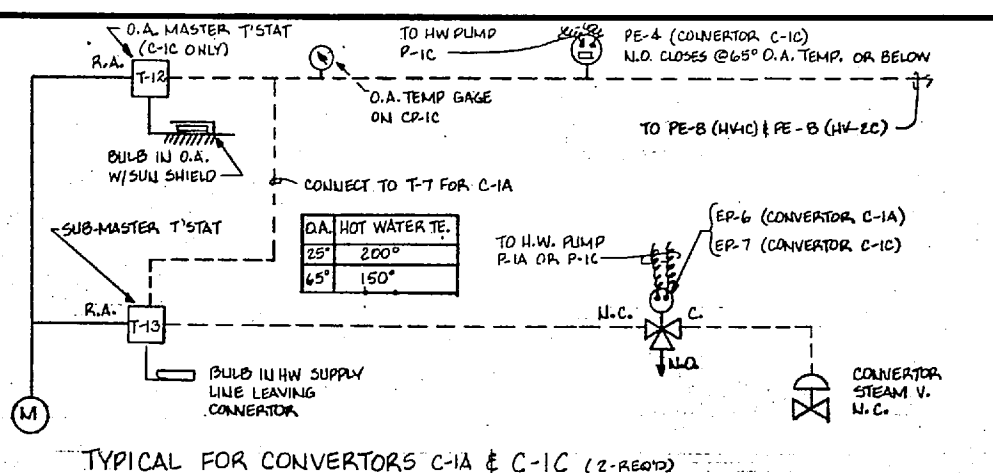
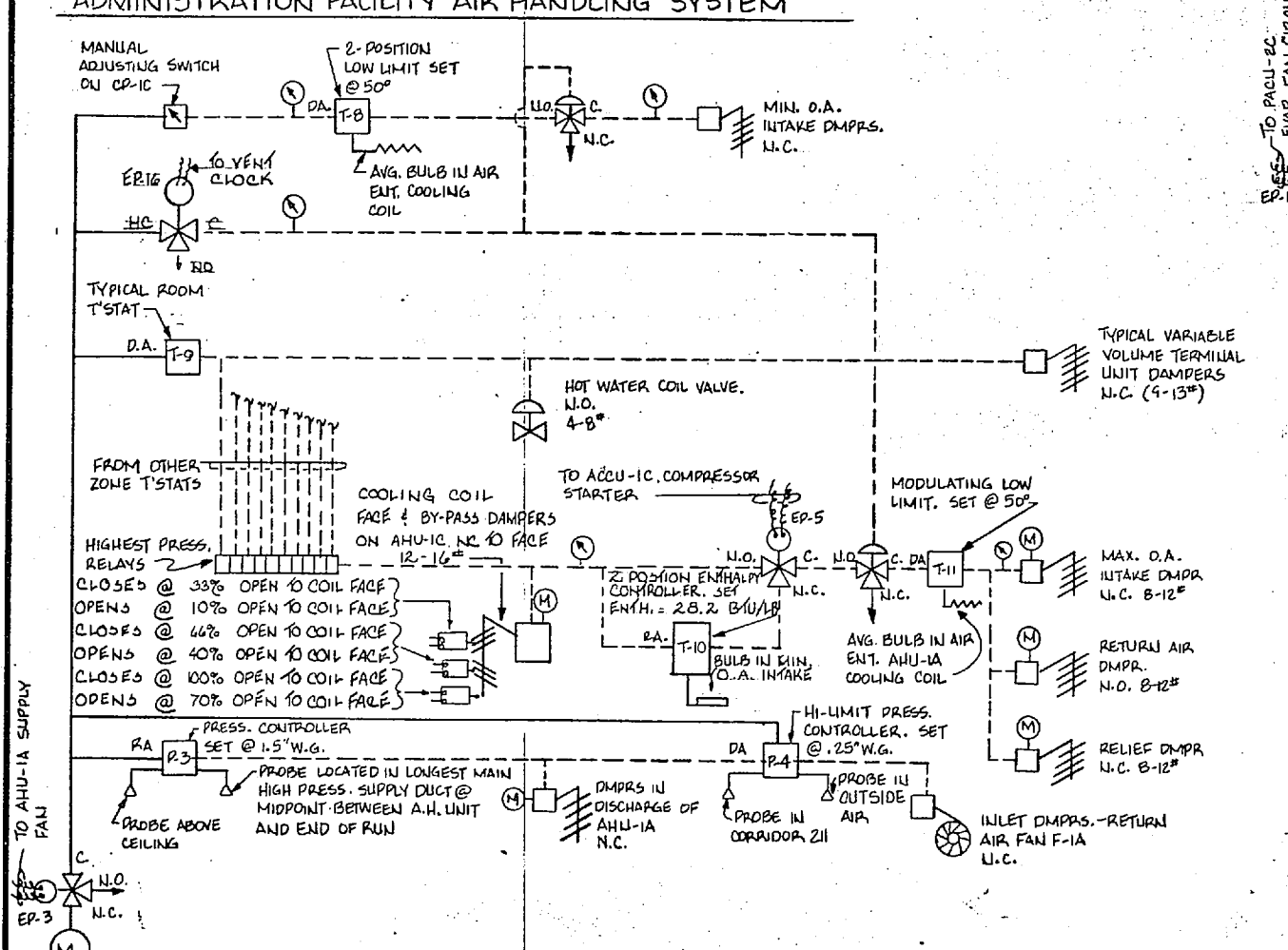
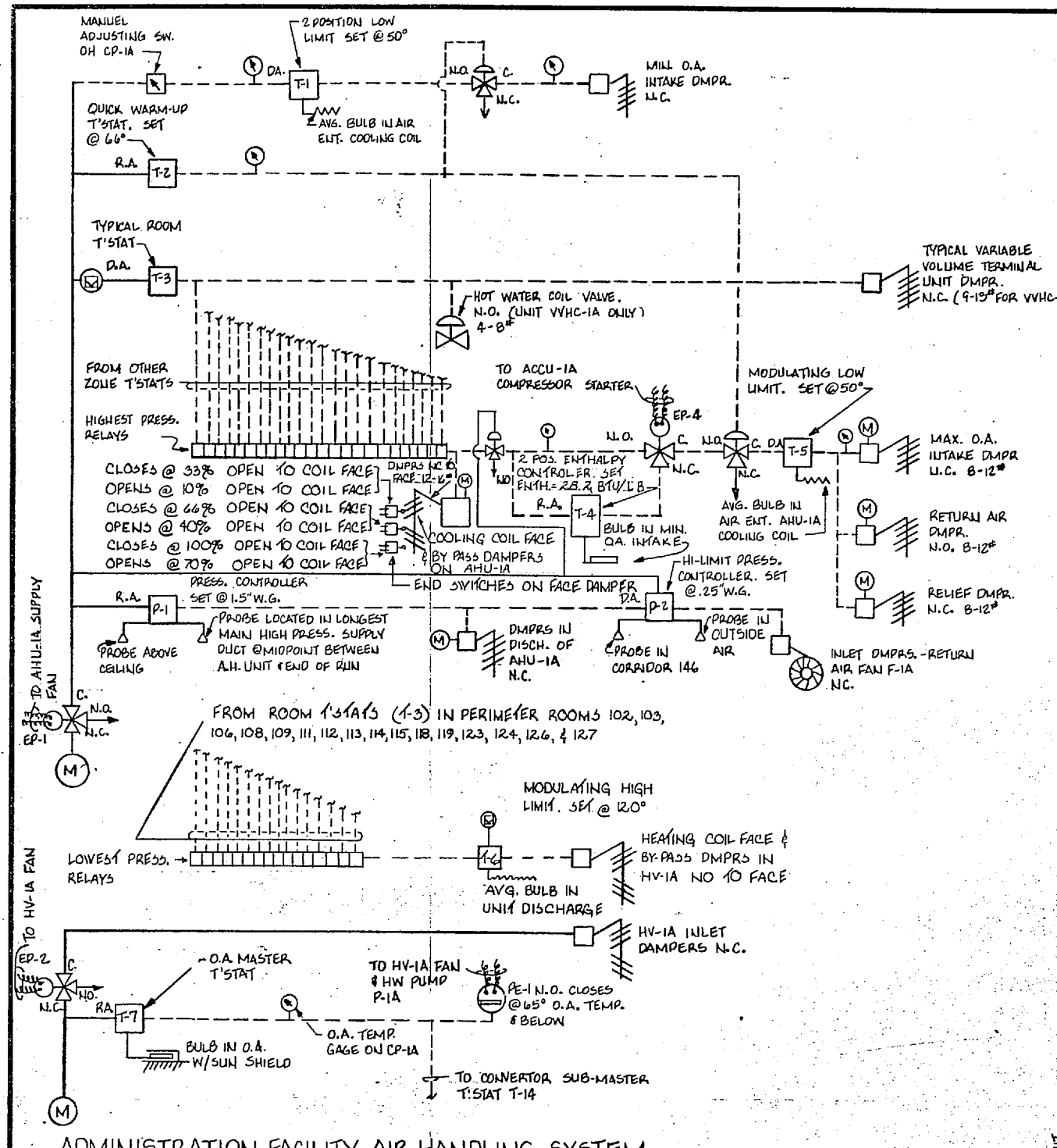
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REVISIONS				
NO.	DESCRIPTION	PREP'D BY	DATE	APPROVED



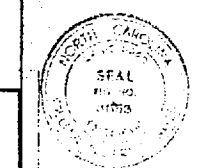
**CONTROL PANEL SCHEDULE**

NO.	LOCATION	SERVICE
CP-1A	MECH. 110	ADMINISTRATION FACILITY
CP-1C	MECH. 135	C.V. MAINT. FACILITY
CP-1B	MECH. 102	R.V. MAINT. FACILITY

SATISFACTORY TO

*[Signature]*

DATE 12/1/77



<b>J. H. PEATE ASSOCIATES</b> ARCHITECTS-ENGINEERS-PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION NORFOLK VIRGINIA	
PROJECT NO. 80091 DATE 12/1/77 DRAWN BY [Signature] CHECKED BY [Signature]		SECOND MARINE AIR WING <b>OPERATIONAL AND MAINTENANCE FACILITY</b> Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
APPROVED [Signature] DATE 12/1/77 OFFICE IN CHARGE		PNEUMATIC CONTROLS NAVY DRAWING NO. 4039374 CONSTR. CONTR. NO. N62470-TT-B-T100 SCALE: SPEC. 05-TT-T100 SHEET 21 OF 26 EFD DWG. NO. 139374	

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# EQUIPMENT SCHEDULE

## AIR HANDLING UNITS

UNIT NO.	SERVICE	LOCATION	TYPE	FAN DATA				ELECTRIC DATA			COOLING COIL DATA				MIN. O.A. CFM	REMARKS								
				CFM	STATIC PRESS.	WHEEL DIA.	OUTLET VEL.	MOTOR H.P.	FAN RPM	VOLTS	PHASE	STARTER	MIN. SQ. FT. FACE AREA	CFM			ENT. AIR D.P.	LEAV. AIR D.P.	MAX. AIR W.B.	SUCT. TEMP.	REFRIG.	BTUH		
AHU-1A	ADMIN. FACILITY	MECH. EQUIP. 110	HIGH PRESS. DRAM-THRU	6110	1/4" M.G.	161"	2592 FPM	10	2476	200	3	C-FVNR	11.70	6110	82.2°	68.0°	51.2°	50.5°	1.0" M.G.	37.5	22	325,540	1900	COOLING COIL CIRCUITS TO BE SPLIT TO MATCH ACCU STEPS OF CAPACITY UNLOADING
AHU-1C	MAINT. OFFICES	MECH. EQUIP. 135	HIGH PRESS. DRAM-THRU	4570	1/4" M.G.	15"	2335 FPM	71	2590	460	3	C-FVNR	9.37	4570	81.90	67.0	38.9	48.6	1.0" M.G.	36.0	22	249,660	1500	

## ROOF TOP AIR CONDITIONING UNITS

UNIT NO.	SERVICE	LOCATION	TYPE	COILING COIL DATA (CAP. @ 95° OUTSIDE TEMP.)				EVAPORATOR FAN				CONDENSER FAN				COMPRESSOR				UNIT ELECTRICAL DATA				O.A. CFM	REMARKS						
				ENT. AIR D.P.	W.B.	SENS.	TOTAL	AREA SQ. FT.	CFM	CFM	NO. & SIZE	EXT. ST. PRESS.	RPM	H.P.	FL.A.	CFM	WHEEL DIA.	RPM	H.P.	FL.A.	NO. REQ'D	FL.A. EACH	L.P.A. EACH			VOLTS	PHASE	STARTER	INRUSH AMPS	FL.A.	MIN. START AMBIENT
PAU-1C	ENGR. & EMBARK OFF.	ROOF	COOLING ONLY	78.7°	69.8°	27,750	34,270	3.58	1250	1250	1-10"-8"	6" M.G.	1060	1/3	1:3	2470	18"	1075	1/5	1.0	1	7.1	35.0	460	3	C-FVNR	40.3	9.4	90°	150	
PAU-2C	OFFICES 115, 116, 117 & 119	ROOF	COOLING ONLY	79.3°	66.0°	43,790	57,230	5.38	1650	1650	1-12"-9"	6" M.G.	1028	1/3	2:6	3800	20"	1110	1/2	2.3	1	10.8	69.0	460	3	C-FVNR	91.9	15.8	90°	300	

## AIR COOLED CONDENSING UNITS

UNIT NO.	SERVICE	LOCATION	TYPE	MIN. TONS	SUCT. TEMP.	AMBIENT AIR TEMP.	REFRIG. LEAKANT	CONDENSER FAN H.P.	COMP. FULL LOAD AMPS.	COMP. LOCK ROTOR AMPS.	ELECTRICAL DATA				REMARKS		
											VOLTS	PHASE	STARTER	INRUSH AMPS		FL.A.	
ACCU-1A	AIR HAND. UNIT AHU-1A	OUTSIDE	RECIPROCATING	27.13	35.5°	95°	22	4 @ 1 EA.	133	322	200	3	PART WIND	442	157	3 STAGES UNLOADING	
ACCU-1C	AIR HAND. UNIT AHU-1C	OUTSIDE	RECIPROCATING	20.8	34.0	95°	22	4 @ 1 EA.	50	210	460	3	ACROSS LINE	260	60.4		

## CONTROLS AIR COMPRESSORS

UNIT NO.	SERVICE	LOCATION	TANK SIZE	DISPLACEMENT CU. IN. PER MIN.	COMP. RPM	MOTOR H.P.	ELECTRICAL DATA				REMARKS
							VOLTS	PHASE	STARTER	MANUAL	
CAC-1A	PNEUMATIC CONTROLS	MECH. EQUIP. 110	30 GAL.	4730	385	2 @ 1/2 EA.	115	1	MANUAL	DUPLICITY UNIT - 2 COMPRESSORS, 1 TANK	
CAC-1C	"	MECH. EQUIP. 135	30 GAL.	4730	385	2 @ 1/2 EA.	115	1	MANUAL	"	

## UNIT HEATERS & HOT WATER

UNIT NO.	SERVICE	LOCATION	TYPE	CFM	BTUH	H.P. (MAX)	ENT. WATER	LEAV. WATER	GPM	ENT. AIR	LEAV. AIR	WATER P.D.	ELECTRICAL DATA				REMARKS
													VOLTS	PHASE	STARTER	MANUAL	
UH-1A	SPACE HEATING	MECH. EQUIP. 110	HORIZONTAL	545	11,400	1/20	200°	171.5°	.80	65°	84.4°	.11	115	1	MANUAL		
UH-2A	SPACE HEATING	BATTERY SHOP 107	HORIZONTAL	315	6,040	1/25	200°	186.6°	.90	65°	85.0°	.11	115	1	MANUAL		
UH-3A	SPACE HEATING	RADIO SHOP 101	HORIZONTAL	1550	21,280	1/8	200°	163.4°	1.15	65°	77.7°	.11	115	1	MANUAL		
UH-1C	SPACE HEATING	EMBARK STOR. 105	HORIZONTAL	545	11,400	1/20	200°	171.5°	.80	65°	84.4°	.11	115	1	MANUAL		
UH-2C	"	ENGR. TOOLS & PARTS 104A	"	280	6,040	1/25	200°	186.6°	.90	65°	85.0°	.11	115	1	MANUAL		
UH-3C	"	WELDING SHOP 106	"	815	18,305	1/20	200°	163.4°	1.00	65°	85.8°	.11	115	1	MANUAL		
UH-4C	"	"	"	815	18,305	1/20	200°	163.4°	1.00	65°	85.8°	.11	115	1	MANUAL		
UH-5C	"	CONST. & REPAIR SHOP 124	"	545	11,400	1/20	200°	171.5°	.80	65°	84.4°	.11	115	1	MANUAL		
UH-6C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-7C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-8C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-9C	"	ELEC. LTG. SECT. 125	"	280	6,040	1/25	200°	186.6°	.90	65°	85.0°	.11	115	1	MANUAL		
UH-10C	"	"	"	280	6,040	1/25	200°	186.6°	.90	65°	85.0°	.11	115	1	MANUAL		
UH-11C	"	GENERATOR SHOP 126	"	815	18,305	1/20	200°	163.4°	1.00	65°	85.8°	.11	115	1	MANUAL		
UH-12C	"	"	"	815	18,305	1/20	200°	163.4°	1.00	65°	85.8°	.11	115	1	MANUAL		
UH-13C	"	H. EQUIP. MAINT. BAY 107	VERT. PROJECTION	1539	44,000	1/8	200°	156.0°	2.00	60°	86.6°	.11	115	1	MANUAL		
UH-14C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-15C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-16C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-17C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-18C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-19C	"	H. TRANS. MAINT. BAYS 114	"	2220	68,100	1/6	200°	51.4°	2.80	60°	88.4°	.11	115	1	MANUAL		
UH-20C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-21C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-22C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-23C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-24C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
UH-25C	"	TIRE SHOP 141	HORIZONTAL	545	11,400	1/20	200°	171.5°	.80	65°	84.4°	.11	115	1	MANUAL		
UH-26C	"	"	"	545	11,400	1/20	200°	171.5°	.80	65°	84.4°	.11	115	1	MANUAL		
UH-27C	"	MOTOR TRANS. OVE. STD. 140	"	280	7,380	1/25	200°	183.6°	.90	40°	64.4°	.11	115	1	MANUAL		
UH-28C	"	"	"	280	7,380	1/25	200°	183.6°	.90	40°	64.4°	.11	115	1	MANUAL		
UH-29C	"	MAINT. CONT. 1. P. 120	"	815	19,290	1/20	200°	164.9°	1.10	65°	86.9°	.11	115	1	MANUAL		
UH-30C	"	"	"	815	19,290	1/20	200°	164.9°	1.10	65°	86.9°	.11	115	1	MANUAL		
UH-31C	"	SECURE STO. CAGE 142	"	280	6,040	1/25	200°	186.6°	.90	65°	85.0°	.11	115	1	MANUAL		
UH-32C	"	MECH. EQUIP. 135	"	545	11,400	1/20	200°	171.5°	.80	65°	84.4°	.11	115	1	MANUAL		

## CONVERTORS

UNIT NO.	SERVICE	LOCATION	TYPE	CAPACITY BTUH	STEAM PRESS.	LBS/H.R. CONDENSATE	GPM	ENT. WATER	LEAV. WATER	MAX. PRESS. (DROP FT.)	MAX. TUBE VELOCITY	REMARKS
C-1A	ADMIN. FACIL. HEATING	MECH. EQUIP. 110	SHELL AND TUBE	182,300	2 PSIG	189	10	163.5°	200°	4.0	6.0 FPS	
C-1C	COM. FACIL. HEATING	MECH. EQUIP. 135	SHELL AND TUBE	1,207,290	2 PSIG	1251	66	164.5°	200°	4.0	6.0 FPS	
C-2C	DOM. H.W. PREHEAT.	MECH. EQUIP. 135	SHELL AND TUBE	687,500	-	-	25	60.0	115°	4.0	6.0 FPS	* 15 GPM @ 212

## PRESSURE REDUCING VALVES

UNIT NO.	SERVICE	LOCATION	INITIAL PRESSURE	FINAL PRESSURE	CAPACITY (LBS/H.R.)	RELIEF VALVE SETTING	REMARKS
PRV-1A	ADMIN. FACILITY	MECH. EQUIP. 110	100 PSIG	10 PSIG	189	15 PSIG	
PRV-1C	COM. FACILITY	MECH. EQUIP. 135	100 PSIG	10 PSIG	2546	15 PSIG	

## ROOF INTAKES

UNIT NO.	SERVICE	LOCATION	CFM	THROAT	AREA SQ. FT.	THROAT VELOCITY	PRESSURE DROP	REMARKS
1C	EMBARK STOR. 105	ROOF	765	12" X 12"	1.0	765 FPM	.08" M.G.	DAMPERS INTER LOCKED WITH F-1C
2C	WELDING SHOP 106	"	3230	14" X 36"	3.5	590 FPM	.12" M.G.	"
3C	HV-1C	"	2145	14" X 22"	2.1	1021 FPM	.14" M.G.	"
9C	CONST. & REP. SHOP 124	"	6555	20" X 48"	6.67	982 FPM	.12" M.G.	"
5C	ELEC. LT. SECT. 125	"	2810	14" X 30"	2.92	962 FPM	.11" M.G.	"
6C	GENERATOR SHOP 126	"	3290	14" X 36"	3.5	940 FPM	.12" M.G.	"
7C	MAINT. CONT. 1. P. 120	"	4035	16" X 36"	4.0	1009 FPM	.18" M.G.	"
8C	M. T. OVE. STOR. 140	"	455	12" X 12"	1.0	455 FPM	.03" M.G.	"
9C	TIRE SHOP 141	"	2500	12" X 30"	2.5	1000 FPM	.18" M.G.	"
10C & 11C	H. EQUIP. MAINT. BAY 107	"	4600	16" X 42"	4.65	988 FPM	.19" M.G.	"
12C, 13C & 14C	H. T. MAINT. BAYS 114	"	4600	16" X 42"	4.65	988 FPM	.19" M.G.	"
1R	MECH. EQUIP. 102	"	185	8" X 8"	.37	500 FPM	.12" M.G.	"
2R	FILTER STORAGE 103	"	60	8" X 8"	.37	162 FPM	.01" M.G.	"
3R	COIL. LUBE 107	"	140	8" X 10"	.57	596 FPM	.12" M.G.	"
4R	TENTS & PARTS 111	"	3200	20" X 20"	2.25	533 FPM	.09" M.G.	"
15C	ENGR. TOOLS & PARTS 104A	"	1155	14" X 18"	1.75	660 FPM	.08" M.G.	"

## FILTERS

UNIT NO.	SERVICE	LOCATION	TYPE	CFM	PRESS. DROP		MIN. EFF.	OVERALL DIMENSION			REMARKS
					INITIAL	FINAL		WIDTH	HEIGHT	DEPTH	
FB-1A	SYSTEM AHU-1A	MECH. EQUIP. 110	RIGID CELL	6110	.35" M.G.	1.0" M.G.	60%	4'-0"	4'-0"	12"	4-24" X 24" CELLS 2 WIDE X 2 HIGH
FB-1C	SYSTEM AHU-1C	MECH. EQUIP. 135	"	4570	.35" M.G.	1.0" M.G.	60%	4'-0"	4'-0"	12"	4-24" X 24" CELLS 2 WIDE X 2 HIGH

## HEATING & VENTILATING UNITS

UNIT NO.	SERVICE	LOCATION	TYPE	CFM	EXT. STATIC PRESS.	OUTLET VEL. (FPM)	BTUH	ENT. AIR	LEAV. AIR	COIL FACE AREA	ENT. WATER	GPM	WATER P.D.	MOTOR H.P.	ELECTRICAL DATA				REMARKS
															VOLTS	PHASE	STARTER	MANUAL	
HV-1A	PERIMETER HEATING	MECH. EQUIP. 110	LOW PRESS. DRAM-THRU	2540	3/4" M.G.	1365	131,675	70°	118°	5.3 SF	200°	6.6	5.0'	14	200	3	C-FVNR		
HV-1C	SHOPS 104A, 106, 124, 125 & 126	ENGR. TOOLS & PARTS 104A	"	2145	1/2" M.G.	2123	92,665	25°	65°	2.6 SF	200°	4.6	6.0'	14	460	3	C-FVNR		
HV-2C	127, 128, 129, 133, 134, 137 & 138	MECH. EQUIP. 135	"	1490	1/2" M.G.	1475	82,070	25°	76°	2.6 SF	200°	4.1	5.0'	8	460	3	C-FVNR		

## ROOF TOP HEAT PUMP UNIT

UNIT NO.	SERVICE	LOCATION	TYPE	HEATING @ 25°F O.A.				EVAPORATOR FAN				CONDENSER FAN				COMPRESSOR				UNIT ELECTRICAL DATA				MIN O.A. CFM		
				TOTAL BTUH	SUPPLEMEN. KW	BTUH	FLA	CFM	SIZE	EXT. ST. PRESS.	RPM	H.P.	FLA	CFM	WHEEL DIA.	H.P.	FLA	NO. REQ'D	FLA. EACH	L.P.A. EACH	VOLTS	PHASE	STARTER		MIN. CIRCUITS AMPS	MAX. FUSE AMPS
RTHP-1A	HEATING RYM FACIL.	ROOF	SINGLE PKG AIR TO AIR	64,500	15	51,180	41.5	1350	9'x9'	.5" W.G.	1025	1/3	3.0	2500	20"	1/4	2.1	1	12.5	87	200	3	BUILT-IN	21.3	30.0	460

## THRU THE WALL HEAT PUMP UNIT

UNIT NO.	SERVICE	LOCATION	EVAPORATOR FAN CFM	COOLING CAPACITY - BTUH				HEATING @ 25°F O.A.				ELECTRICAL DATA				REMARKS
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# EQUIPMENT SCHEDULE CONT.

REVISIONS				
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## HEATING COILS - HOT WATER

UNIT NO.	SERVICE	LOCATION	TYPE	CFM	BTUH	ENT. AIR	LEAV. AIR	GPM	ENT. WAT.	MAX. P.D.	COIL SIZE	AIR FRACTION	RUNOUT SIZE	REMARKS
HC-1C	PACU-1C SYSTEM	EMBARK OFFICE 10A	HOT WATER	1250	19,575	64.5°	79°	1.00	200°	3.0'	24" X 12"	.24 W.G.	3/4"	
HC-2C	OPERATION OFFICE 115	OPERATION OFFICE 115	" "	600	22,810	55.0°	88°	1.13			18" X 9"			
HC-3C	117 & 112	OPERATION OFFICE 115	" "	360	18,155	55.0°	101.7°	.50			12" X 6"			
HC-4C	116, 119 & 141	M T OFFICE 116	" "	650	13,480	55.0°	74.2°	.67			12" X 12"			

## PUMPS

UNIT NO.	SERVICE	LOCATION	TYPE	GPM	TOTAL FT. HR.	RPM	MOTOR H.P.	ELECTRICAL DATA			REMARKS
								VOLTS	PHASE	STARTER	
P-1A	HOT WATER	MECH. EQUIP. 110	PIPE LINE MOUNTED	10	17	1750	1/4	115	1	MANUAL	
P-2A	CONDENSATE RETURN	" "	DUPLEX	1 1/2	138.6	3500	2/3	200	3	C-FWR	W/10 GAL. RECEIVER
P-1C	HOT WATER	MECH. EQUIP. 135	PIPE LINE MOUNTED	68	38	1750	5	460	3	C-FWR	
P-2C	CONDENSATE RETURN	" "	DUPLEX	15	138.6	3500	2/3	460	3	C-FWR	W/20 GAL. RECEIVER
P-3C	HOT WATER RECIRC.	" "	PIPE LINE MOUNTED	15	8	1750	1/6	115	1	MANUAL	

## VARIABLE VOLUME TERMINAL HEATING UNITS

UNIT NO.	SERVICE	LOCATION	CFM		ENT. WATER TEMP.	LEAV. WATER TEMP.	GPM (MAX)	BTUH	WATER PRESS. DROP (FT.)	ENT. AIR TEMP.	LEAV. AIR TEMP.	TOTAL AIR FRACTION	AIR RUNOUT SIZE	WATER RUNOUT SIZE	REMARKS
			MIN	MAX											
VVHC-1A	LOBBY-WAITING 125	LOBBY-WAITING 105	165	410	200°	163.5°	.6	10,940	3.0	55°	116.4°	1.0 W.G.	7" φ	3/4"	
VVHC-1C	TECH. LIBRARY 130	ENGR. TOOLS & PARTS 127	90	180	200°	190.0°	.5	2,510	3.0	53°	78.8°	1.0 W.G.	6" φ	3/4"	
VVHC-2C	MAINT. MGMT. OFF. 108	MAINT. MGMT. OFF. 108	190	500	200°	163.5°	.6	10,960			88.0°		10" φ		
VVHC-3C	M. T. MAINT. OFF. 113	M. T. MAINT. OFF. 113	120	230		185.8°	.5	3,550			80.4°		7" φ		
VVHC-4C	111 & 112	M. T. OFFICE 113	85	170		178.5°	.5	5,380			111.6°		6" φ		
VVHC-5C	CLASSROOM 216	CLASSROOM 216	690	1235		161.2°	1.0	19,420			82.0°		13" φ		
VVHC-6C	S-2 OFFICE 202	S-2 OFFICE 202	365	730		161.2°	.5	9,695			77.6°		11" φ		
VVHC-7C	S-4 OFFICE 203	S-4 OFFICE 203	340	680		159.1°	.6	13,035			88.5°		11" φ		
VVHC-8C	213, 214 & 215	S-1 OFFICE 201	285	570		160.5°	.8	11,850			91.5°		10" φ		
VVHC-9C	S-1 OFFICE 201	S-1 OFFICE 201	395	790		160.3°	.5	10,920			78.6°		11" φ		

## FANS

NOTE: ALL UNITS HAVE V-BELT DRIVE UNLESS OTHERWISE NOTED

UNIT NO.	SERVICE	LOCATION	TYPE	BLADE PATTERN	CLASS	ARRANGEMENT	DISCHARGE	CFM	TOTAL STATIC PRESS.	OUTLET VELOCITY	WHEEL DIA.	DAMPERS	RPM	MOTOR H.P.	ELECTRICAL DATA			REMARKS
															VOLTS	PHASE	STARTER	
F-1A	RETURN AIR	MECH. EQUIP. 110	IN-LINE CENTRIFUGAL	AF	I	9	4210	3/8" W.G.	1542	16 1/2"	M.O. INLET		1645	2	200	3	C-FWR	
F-2A	EQUIPMENT ROOM VENT	" "	PROPELLER				325	1/4" W.G.		24"			630	1/4	115	1	MANUAL	W/FRONT GUARD
F-3A	BATT. SHOP 107	ROOF	CENT. ROOF EXH.				400	1/4" W.G.		8"	BACK DRAFT		1550	1/20	115	1	"	DIRECT DRIVE EXPLOSION PROOF
F-4A	GENERAL EXHAUST	" "	" "				1245	1/2" W.G.		14"	" "		995	1/4	115	1	"	
F-1C	EMBARK STOR. 105	ROOF	CENT. ROOF EXH.				765	1/4" W.G.		10"	BACK DRAFT		1140	1/2	115	1	MANUAL	DIRECT DRIVE
F-2C	WELDING SHOP 106	" "	" "				3290	1/4" W.G.		24"	BACK DRAFT		450	1/3	115	1	"	
F-3C	CONSTR. & REP. SHOP 124	" "	" "				6555	1/4" W.G.		30"	" "		428	3/4	460	3	C-FWR	
F-4C	ELECT. LT. SECT. 125	" "	" "				2810	1/4" W.G.		18"	" "		768	1/3	115	1	MANUAL	
F-5C	GENERATOR SHOP 126	" "	" "				3290	1/4" W.G.		24"	" "		450	1/3	115	1	"	
F-6C	ROOMS 128 & 133	" "	" "				2315	1/2" W.G.		18"	" "		790	1/3	115	1	"	
F-7C	GENERAL EXHAUST	" "	" "				2135	1/2" W.G.		18"	" "		720	1/3	115	1	"	
F-8C	MAINT. CONT. I. P. 120	" "	" "				4035	1/4" W.G.		24"	" "		510	1/2	115	1	"	
F-9C	M.T.O.V.E. STOR. 140	" "	" "				455	1/4" W.G.		10"	" "		860	1/20	115	1	"	DIRECT DRIVE
F-10C	TIRE SHOP 141	" "	" "				2500	1/4" W.G.		18"	" "		710	1/3	115	1	"	
F-11C	TOILET 11C	" "	" "				100	1/8" W.G.		6"	" "		1300	1/80	115	1	"	DIRECT DRIVE
F-12C	BATTERY SHOP 138	" "	" "				900/450	1/2" W.G.		10"	" "		1430/715	1/4	115	1	"	EXPLOSION PROOF, 2 SPEED MOTOR
F-13C	RETURN AIR	MECH. EQUIP. 135	IN-LINE CENTRIFUGAL	AF	I	9	3070	3/8" W.G.	1358	15"	M.O. INLET		1690	1/2	460	3	C-FWR	
F-14C	EQUIP. RM. VENT	" "	PROPELLER				500	1/4" W.G.		24"			569	1/8	115	1	MANUAL	W/BACK GUARD
F-15C	H. EQUIP. MAINT. BAY 107	ROOF	CENT. ROOF EXH.				4600	1/2" W.G.		24"	BACK DRAFT		630	3/4	460	3	C-FWR	
F-16C	H. EQUIP. MAINT. BAY 107	ROOF	CENT. ROOF EXH.				4600	1/2" W.G.		24"	BACK DRAFT		630	3/4	460	3	"	
F-17C	M. TRANS. MAINT. BAYS 114	ROOF	" "				4600	5/8" W.G.		24"	" "		666	1	46	3	"	
F-18C	" "	" "	" "				4600	5/8" W.G.		24"	" "		666	1	46	3	"	
F-19C	" "	" "	" "				4600	5/8" W.G.		24"	" "		666	1	46	3	"	
F-20C	AUTO. EXHAUST SYSTEM	H. EQUIP. MAINT. BAY 107	CENTRIFUGAL - SMSI	B1	I	3	2000	3" W.G.	2325	12 1/4"	" "		2711	2	46	3	"	
F-21C	AUTO. EXHAUST SYSTEM	M. TRANS. MAINT. BAYS 114	CENTRIFUGAL - SMSI	B1	I	3	2400	3" W.G.	2285	13 1/2"	" "		2822	2	46	3	"	
F-22C	WELDING EXHAUST SYSTEM	WELDING SHOP 106	CENTRIFUGAL - SMSI	B1	I	3	1600	2" W.G.	1800	12 1/4"	" "		2166	1	46	3	"	
F-23C	ENGR. TOOLS & PARTS 101A	ROOF	CENT. ROOF EXH.				1155	1/4" W.G.		14"	" "		795	1/4	115	1	MANUAL	
F-1R	EQUIP. RM. VENT	MECH. EQUIP. 102	CENT. ROOF EXH.				185	1/4" W.G.		7-1/2"	BACK DRAFT		1300	1/60	115	1	MANUAL	DIRECT DRIVE
F-2R	FILTER STOR. 103	ROOF	CENT. ROOF EXH.				60	1/4" W.G.		6"	" "		1550	1/80	115	1	MANUAL	
F-3R	CENT. LUBE DISP. 107	" "	" "				340	1/4" W.G.		8"	" "		1550	1/20	115	1	"	
F-4R	TOIL 105 & GEAR 106	" "	" "				345	1/4" W.G.		8"	" "		1300	1/30	115	1	"	
F-5R	TOOLS & PARTS 111	" "	" "				1200	1/4" W.G.		14"	" "		810	1/3	115	1	"	

## AIR DISTRIBUTION

SYMBOL	DESCRIPTION	SIZE	DAMPERS	REMARKS
A	SIWALL SUPPLY DIFFUSER		YES	SIZE AS INDICATED ON PLANS
B	SIWALL EXHAUST REGISTER			" " " " " "
C	CEILING EXHAUST OR RETURN REGISTER			" " " " " "
D	LIGHT TROFFER SUPPLY -- SADDLE TYPE	20" X 48"		6" φ INLET & RUNOUT
E	LIGHT TROFFER SUPPLY -- SINGLE SIDE	48"		6" φ INLET & RUNOUT
F	LIGHT TROFFER RETURN -- SINGLE SIDE	48"		6" φ INLET & RUNOUT
G	PERFORATED CEILING RETURN REGISTER	24" X 24"		"
H	CEILING SUPPLY DIFFUSER -- CURVED BLADE TYPE			SIZE AS INDICATED ON PLANS 2-WAY THROW
J	LIGHT TROFFER RETURN -- SADDLE TYPE	24" X 48"		6" φ INLET & RUNOUT
K	PERFORATED CEILING SUPPLY DIFFUSER	24" X 24"		"
L	LIGHT TROFFER SUPPLY -- SADDLE TYPE	24" X 24"		6" φ INLET & RUNOUT
M	SIWALL RETURN REGISTER			SIZE AS INDICATED ON PLANS
N	CEILING SUPPLY DIFFUSER -- CURVED BLADE TYPE			" " " " " " 4-WAY THROW
P	CEILING SUPPLY DIFFUSER -- CURVED BLADE TYPE		YES	" " " " " " 3-WAY THROW

### M-12

**J. H. PEARSE ASSOCIATES**  
ARCHITECTS - ENGINEERS - PLANNERS  
CHARLOTTE NORTH CAROLINA

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
ATLANTIC DIVISION  
NAVAL STATION  
NEW RIVER, NORTH CAROLINA

PROJECT: SECOND MARINE AIR WING  
OPERATIONAL AND MAINTENANCE FACILITY  
Marine Corps Air Station (Helicopter)  
New River, Camp Lejeune, North Carolina

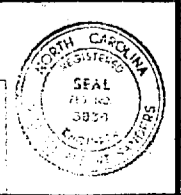
EQUIPMENT SCHEDULES

APPROVED: *[Signature]* DATE: 25 JUN 1975  
OFFICER IN CHARGE: *[Signature]* DATE: 25 JUN 1975

SIZE: 4039376  
CODE IDENT NO: 80091  
CONSTR. CONTR. NO: N62470-TT-6-T100  
SHEET 41 OF 56  
SCALE: 05-TT-1100

EPD DWS. NO.  
139376

SATISFACTORY TO  
*[Signature]*  
DATE: 12/19/77

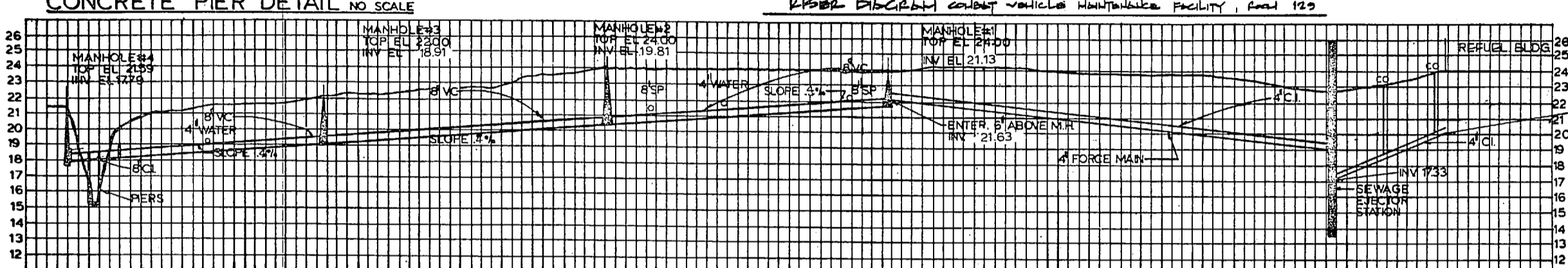
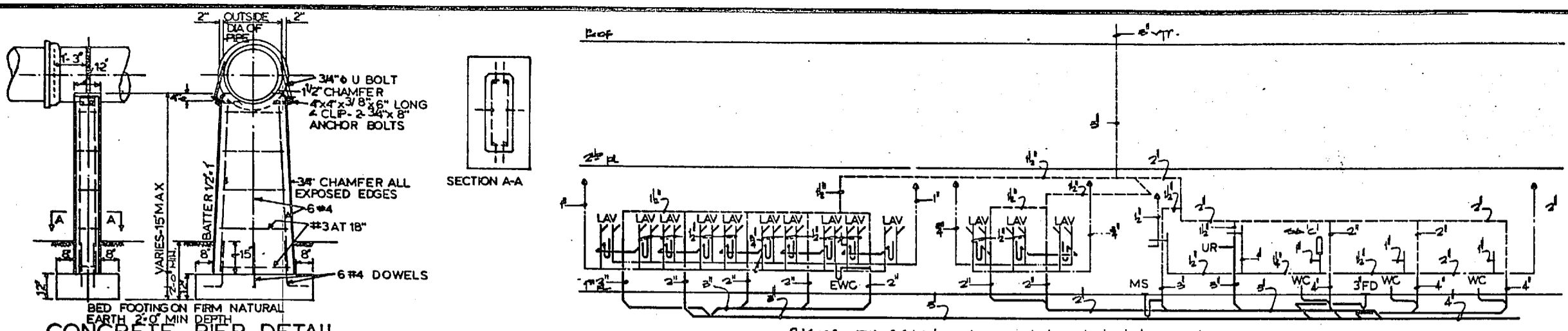


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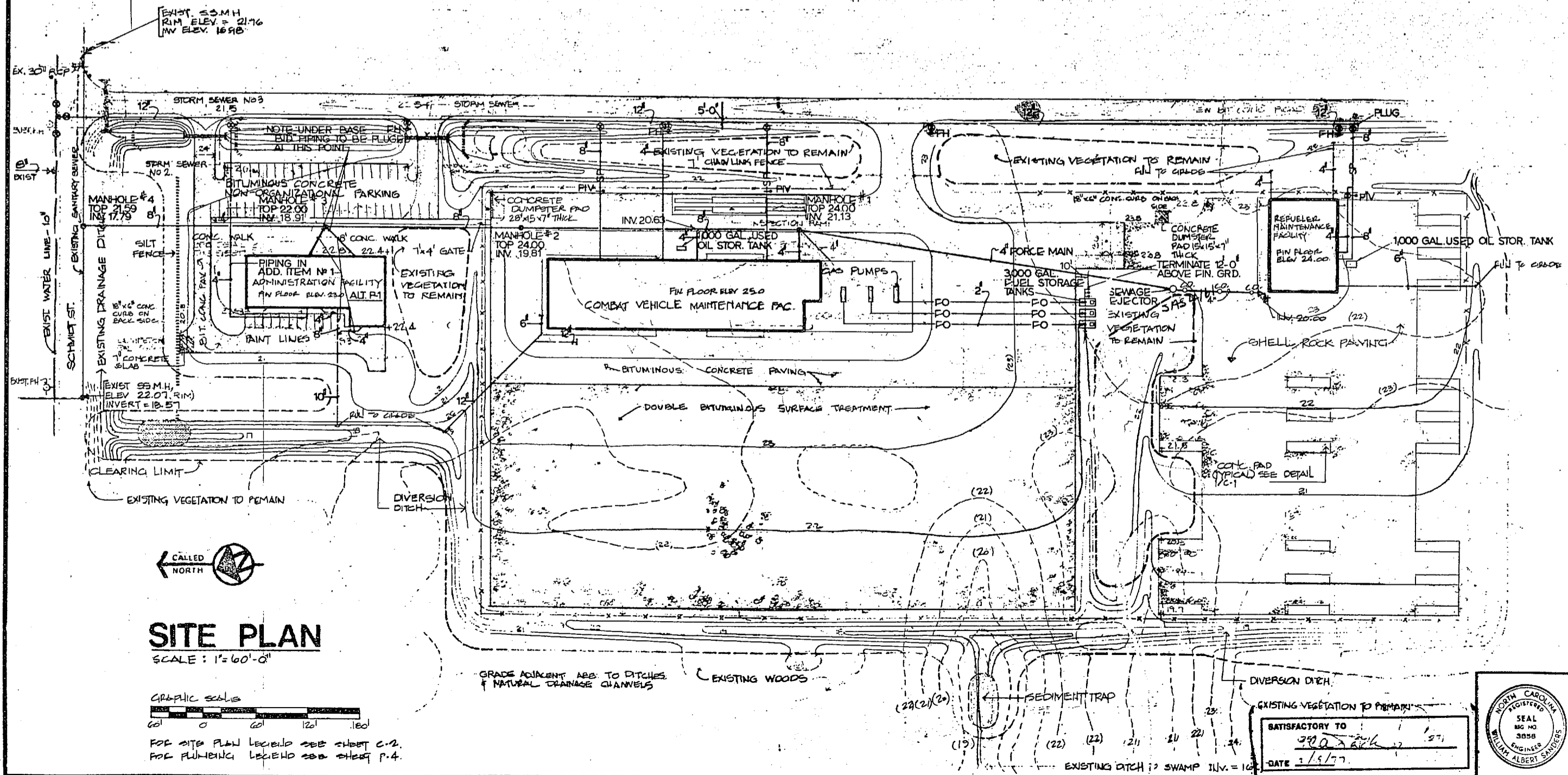
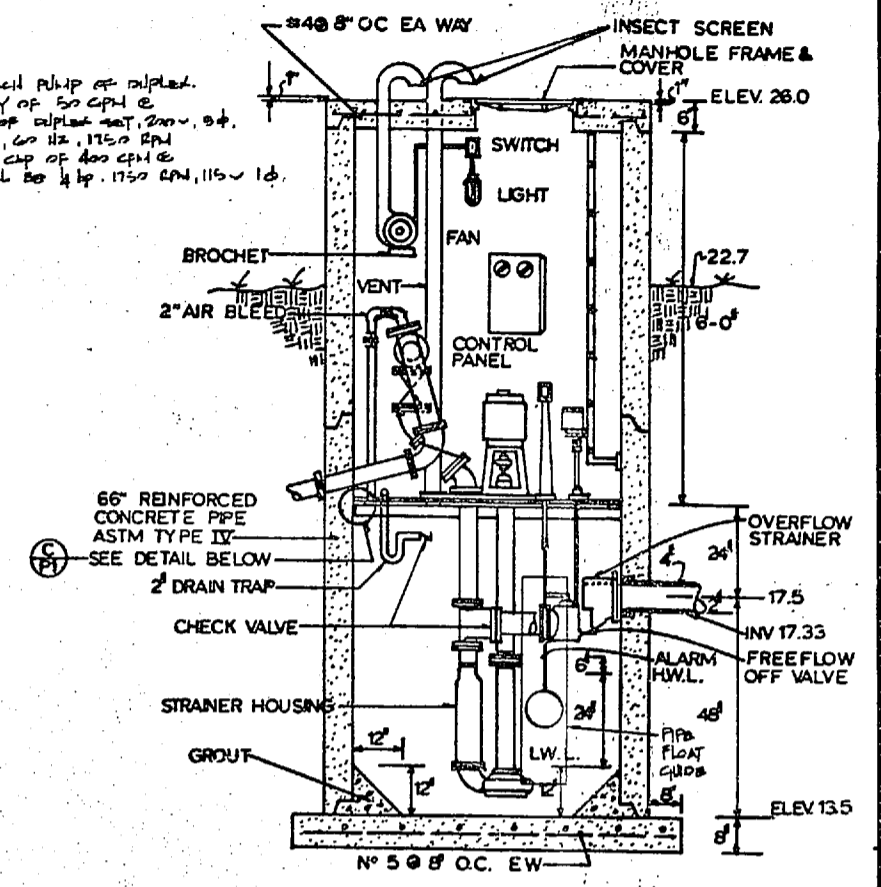
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INSTALL EJECTOR PUMP WITH EACH PUMP OF 50 GPM @ 21 FT HEAD. EACH PUMP OF 200V. 0.4. SHALL RUN 1/2 HR. 8 TIMES, 60 Hz. 1750 RPM. VENT PUMP SHALL HAVE WIND CAP OF 400 CFM @ 1/2\"/>



**A** SEWAGE EJECTOR DETAIL  
NO SCALE

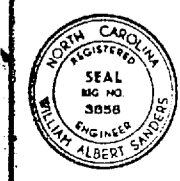
**B** SECTION OF SEWAGE EJECTOR  
NO SCALE

**C** FLOOR SUPPORT DETAIL  
NO SCALE

**SITE PLAN**  
SCALE: 1" = 60'-0"

GRAPHIC SCALE  
0 20 40 60 80 100  
FOR SITE PLAN LEGEND SEE SHEET C-2.  
FOR PAVING LEGEND SEE SHEET P-4.

SATISFACTORY TO  
DATE 2/5/77



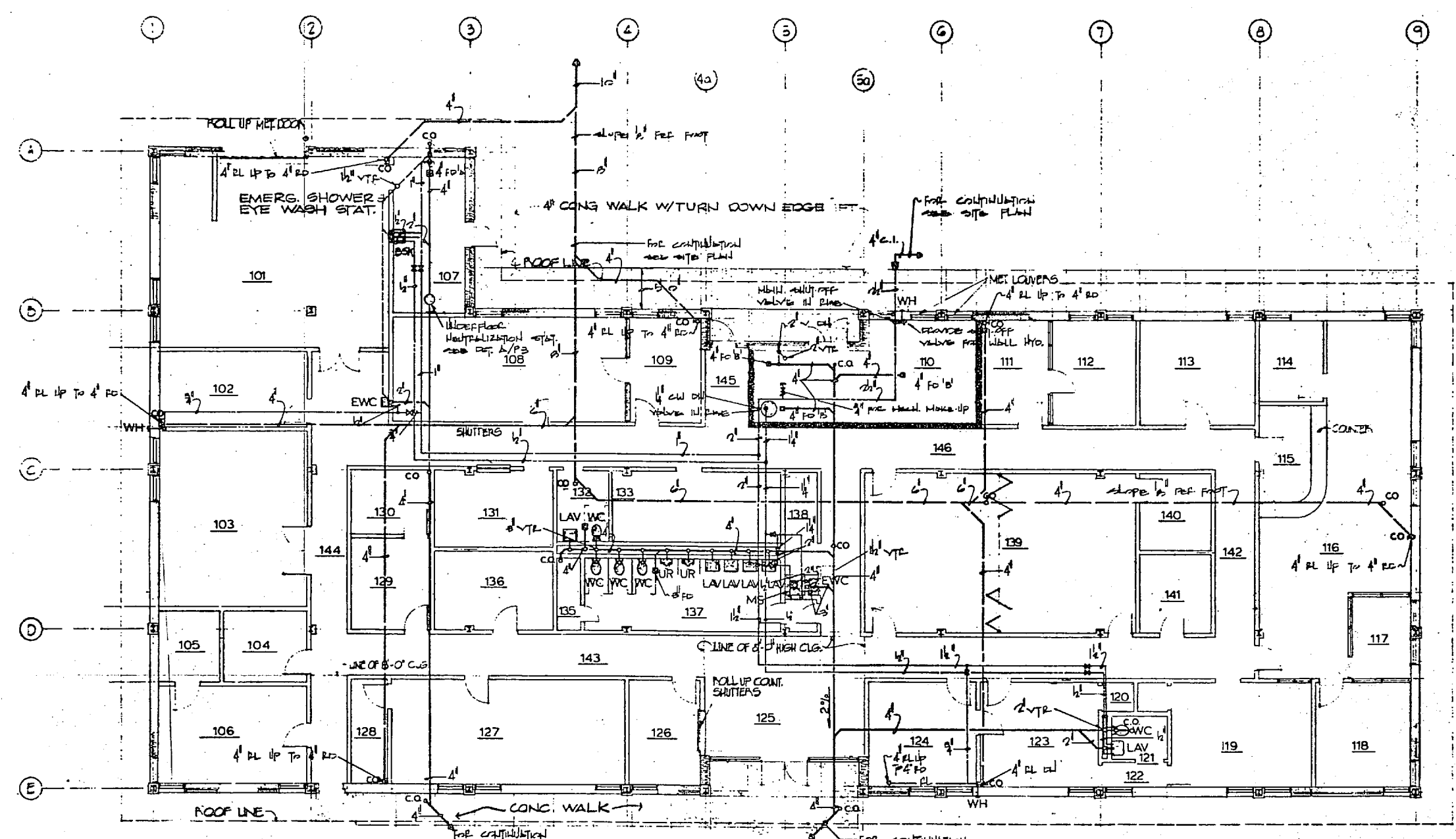
<b>J. W. PEASE ASSOCIATES</b> ARCHITECTS-ENGINEERS-PLANNERS CHARLOTTE, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>ATLANTIC DIVISION</b> NAVAL STATION, NORFOLK, VIRGINIA	
PROJECT NO. 80091 SHEET NO. 42 OF 56 DATE 2/5/77		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Ft. Leavelle) New River, Camp Lejeune, North Carolina	
TITLE <b>SITE PLAN AND PROFILES</b>		NAVFAC DRAWING NO. <b>4039377</b>	
APPROVED BY CHARGE DATE		CO-STR. CONTR. NO. <b>NO2470-TF-B-100</b>	
SCALE 1" = 60'-0"		SPEC. <b>OS-TT-1100</b>	

**P-1**

EPD DWG. NO. 139377

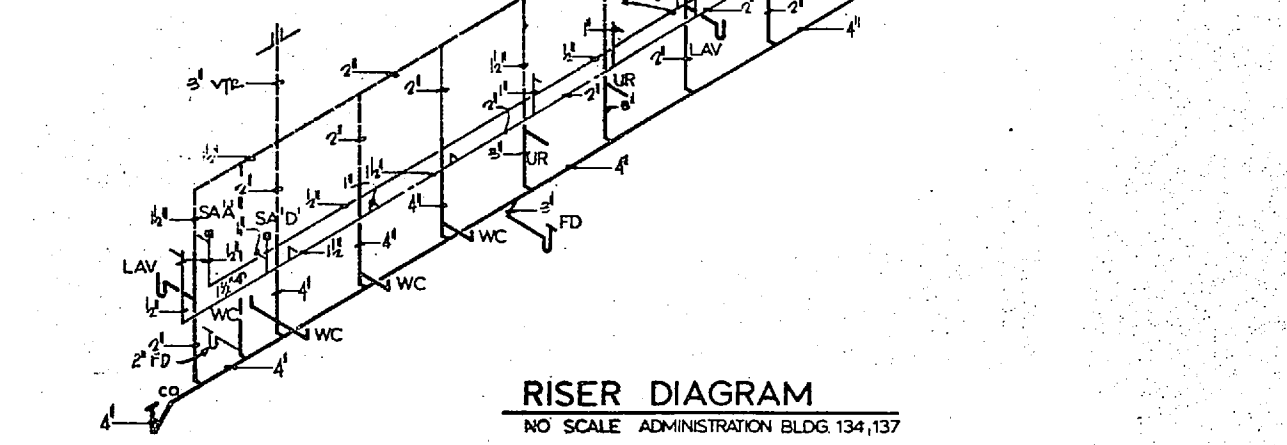
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REVISIONS			
NO.	DESCRIPTION	DATE	BY

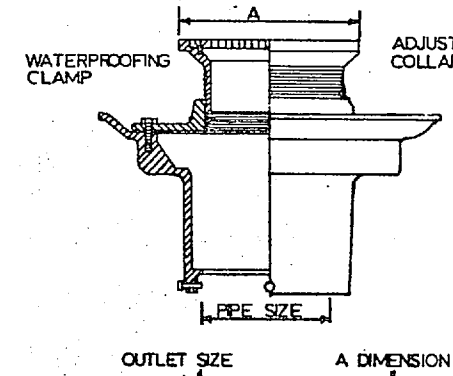


**FLOOR PLAN (ADMINISTRATION FACILITY)**  
 1/8" = 1'-0" FIN. FL. ELEV. 23.0' ADDITIVE ITEM N-1

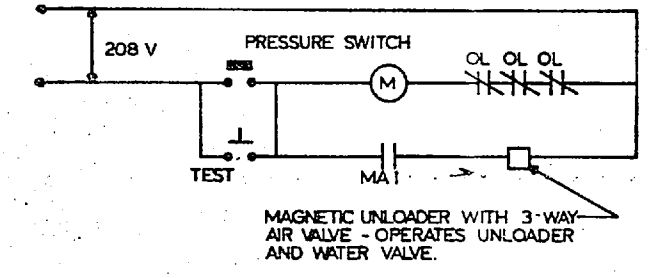
**RISER DIAGRAM**  
 NO SCALE ADMINISTRATION BLDG. 121



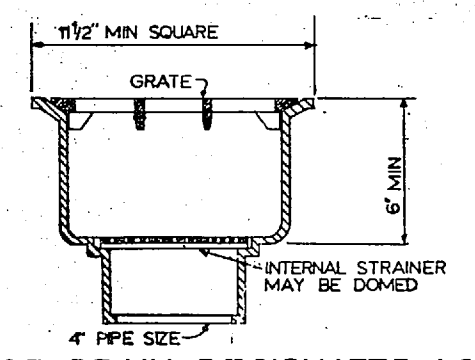
**RISER DIAGRAM**  
 NO SCALE ADMINISTRATION BLDG. 134, 137



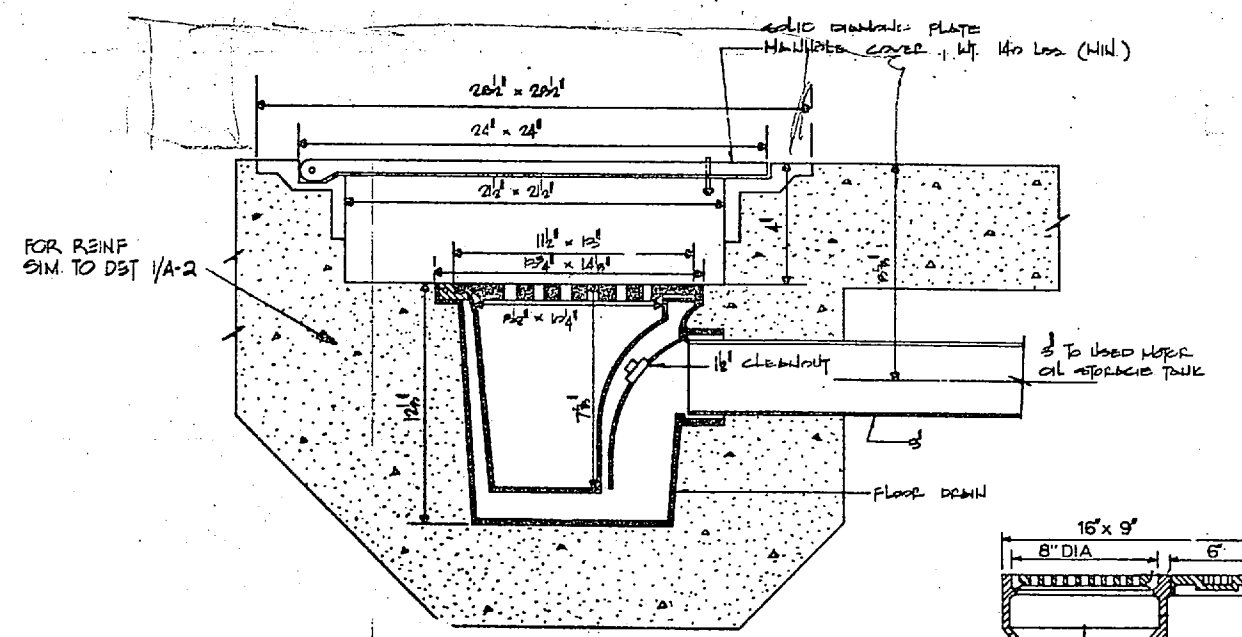
**FLOOR DRAIN DESIGNATED AS FD**  
 NO SCALE



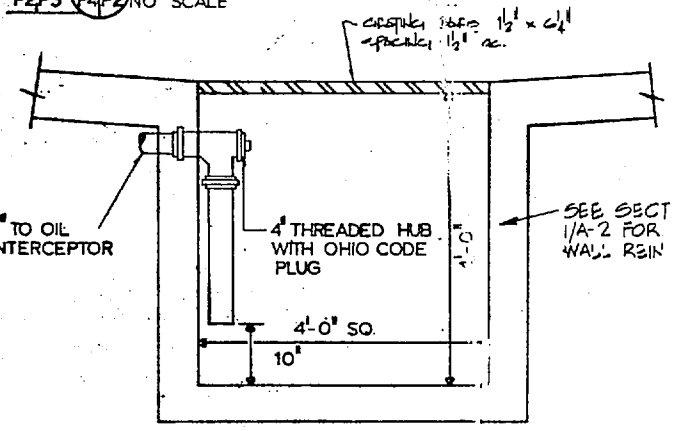
**AIR COMPRESSOR CONTROL**  
 NO SCALE



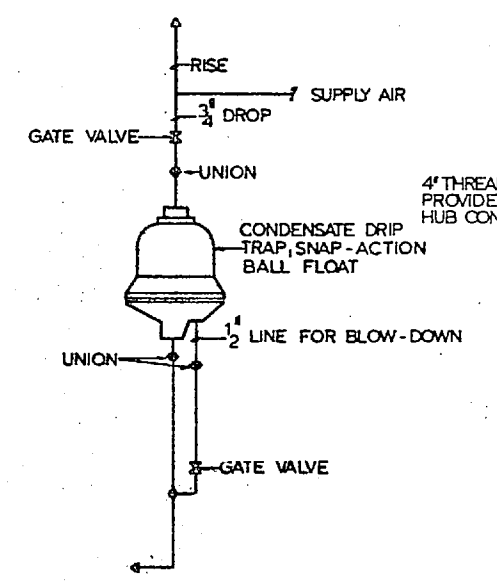
**FLOOR DRAIN DESIGNATED AS FD B**  
 NO SCALE



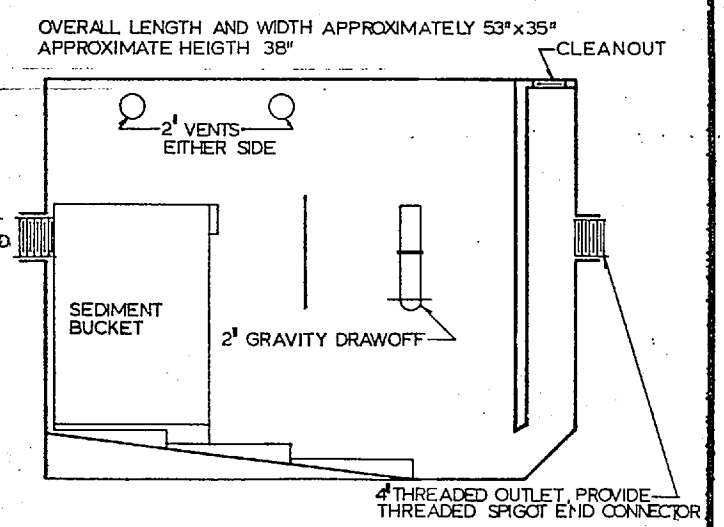
**USED MOTOR OIL DRAIN**  
 NO SCALE



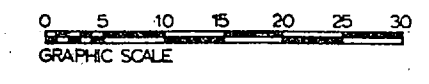
**MUD SUMP DETAIL**  
 NO SCALE COMBAT VEHICLE MAINT. BLDG.



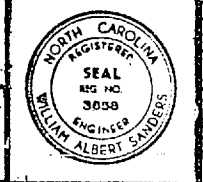
**CONDENSATE DRIP TRAP**  
 NO SCALE



**OIL INTERCEPTOR ELEVATION**  
 NO SCALE



SATISFACTORY TO  
 DATE 12/17/77



<b>P-2</b> 2. H. PHASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL FACILITIES ENGINEERING COMMAND NAVAL STATION NORFOLK, VIRGINIA	
PROJECT NO. 24471-100 DRAWING NO. 80091 DATE 12/17/77 BY [Signature] CHECKED [Signature]		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina ADMIN. BLDG. FLOOR PLAN ADIAGRAMS	
APPROVED [Signature] OFFICER IN CHARGE		NAVY DRAWING NO. 4039378 CONST. CONTR. NO. N62470-TT-B-T100 SHEET 43 OF 56 SPEC. 00-TT-T100 EPD DWG. NO. 139378	

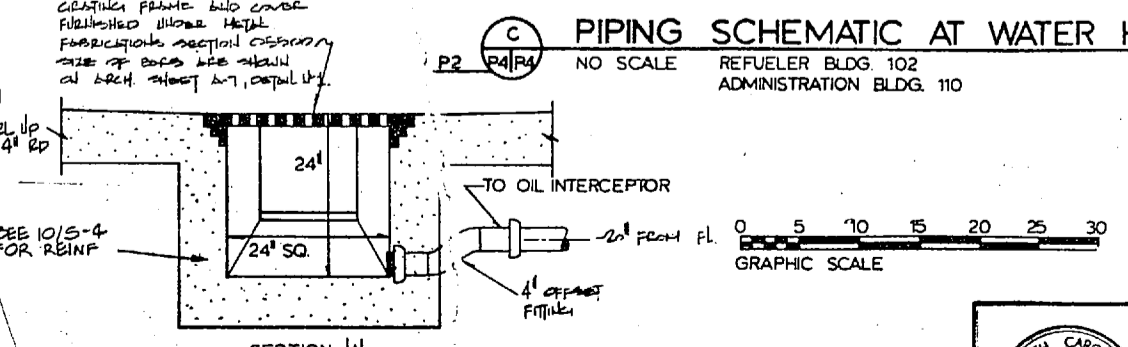
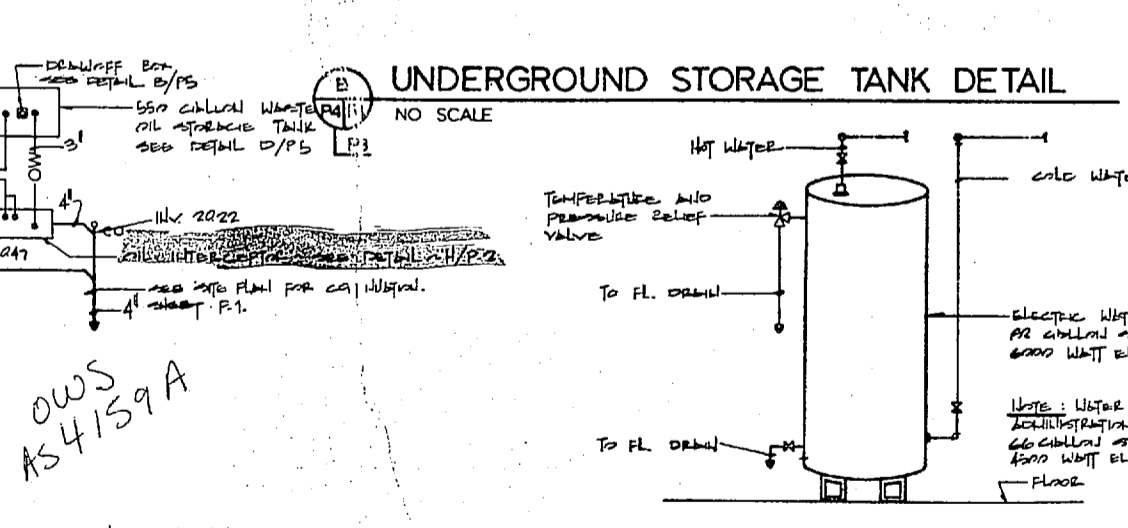
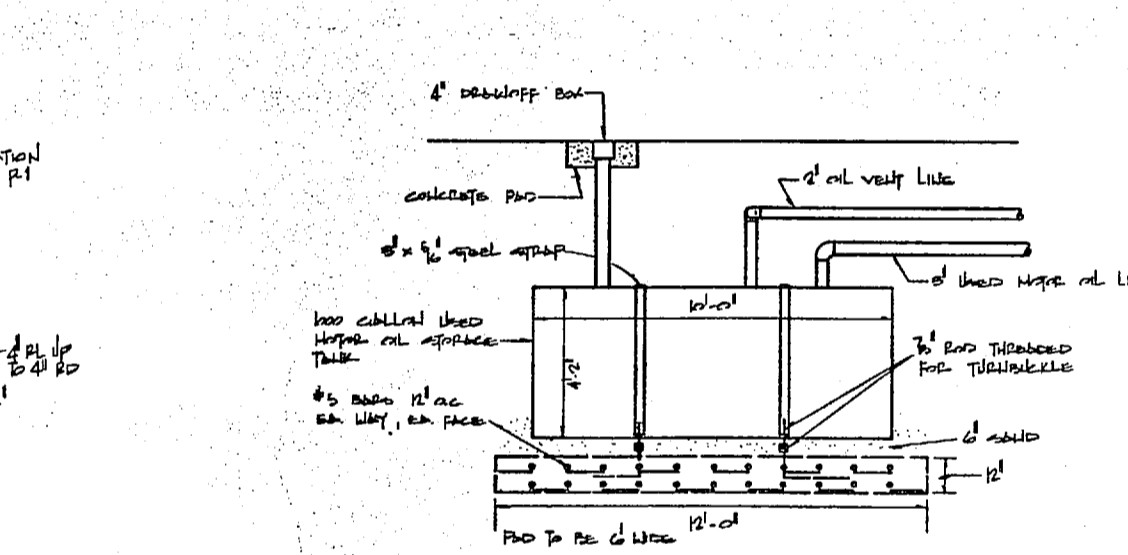
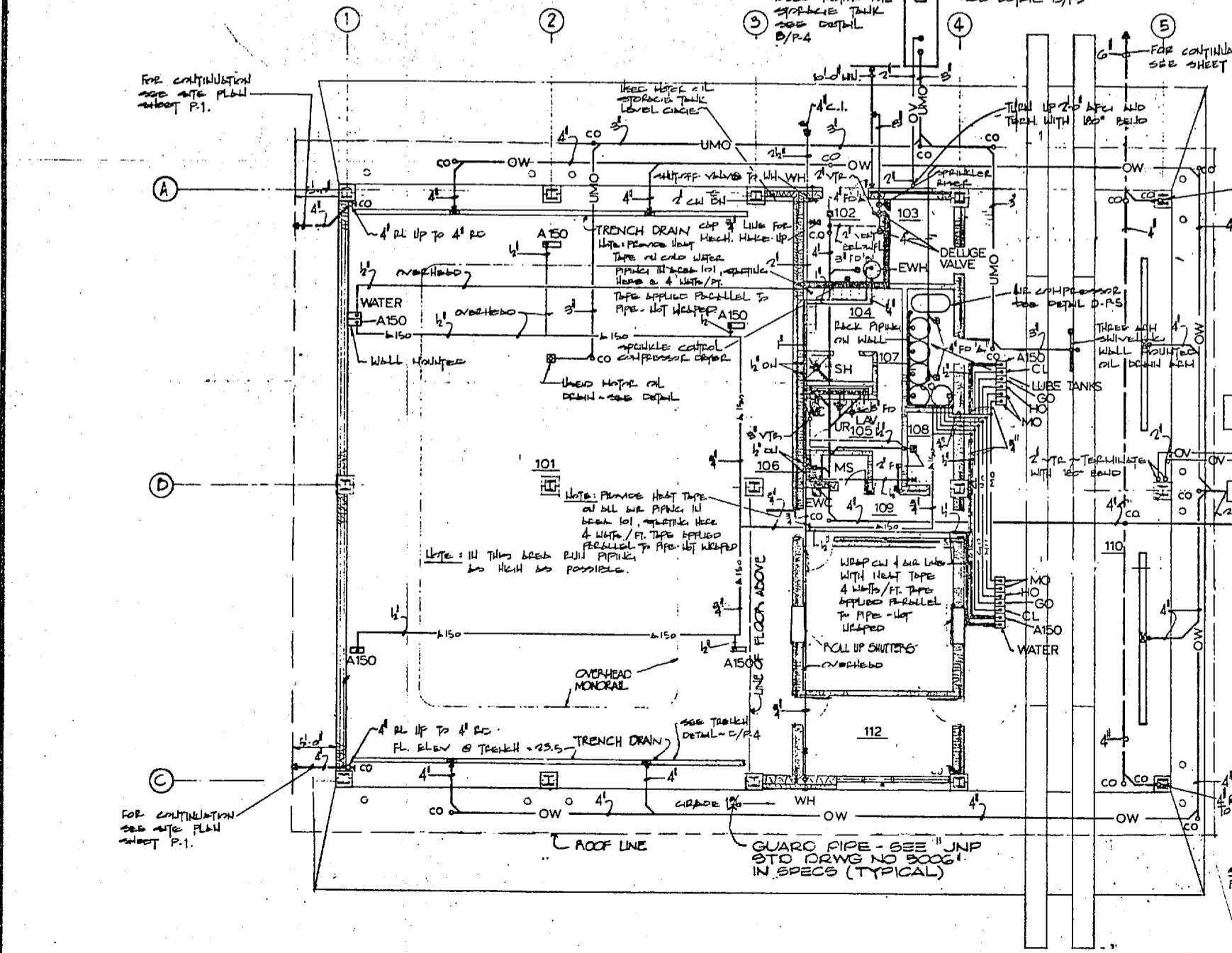
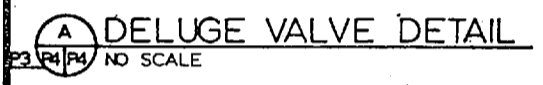
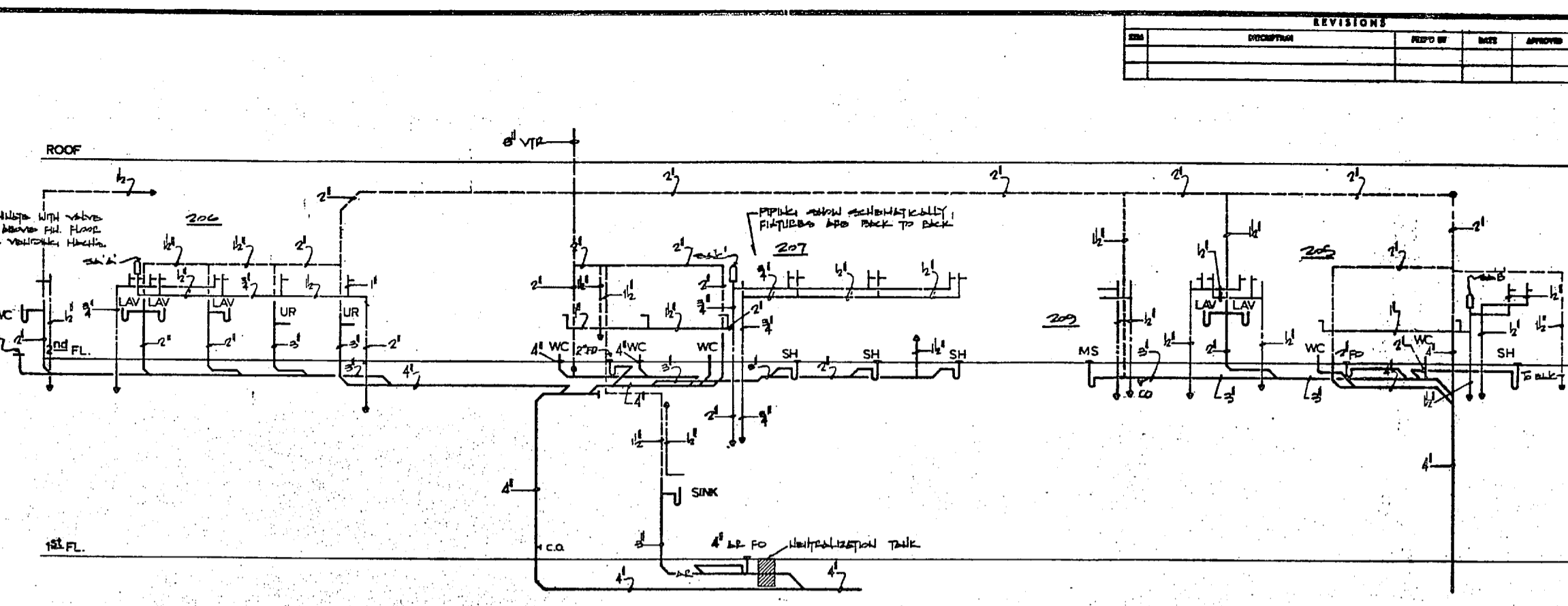
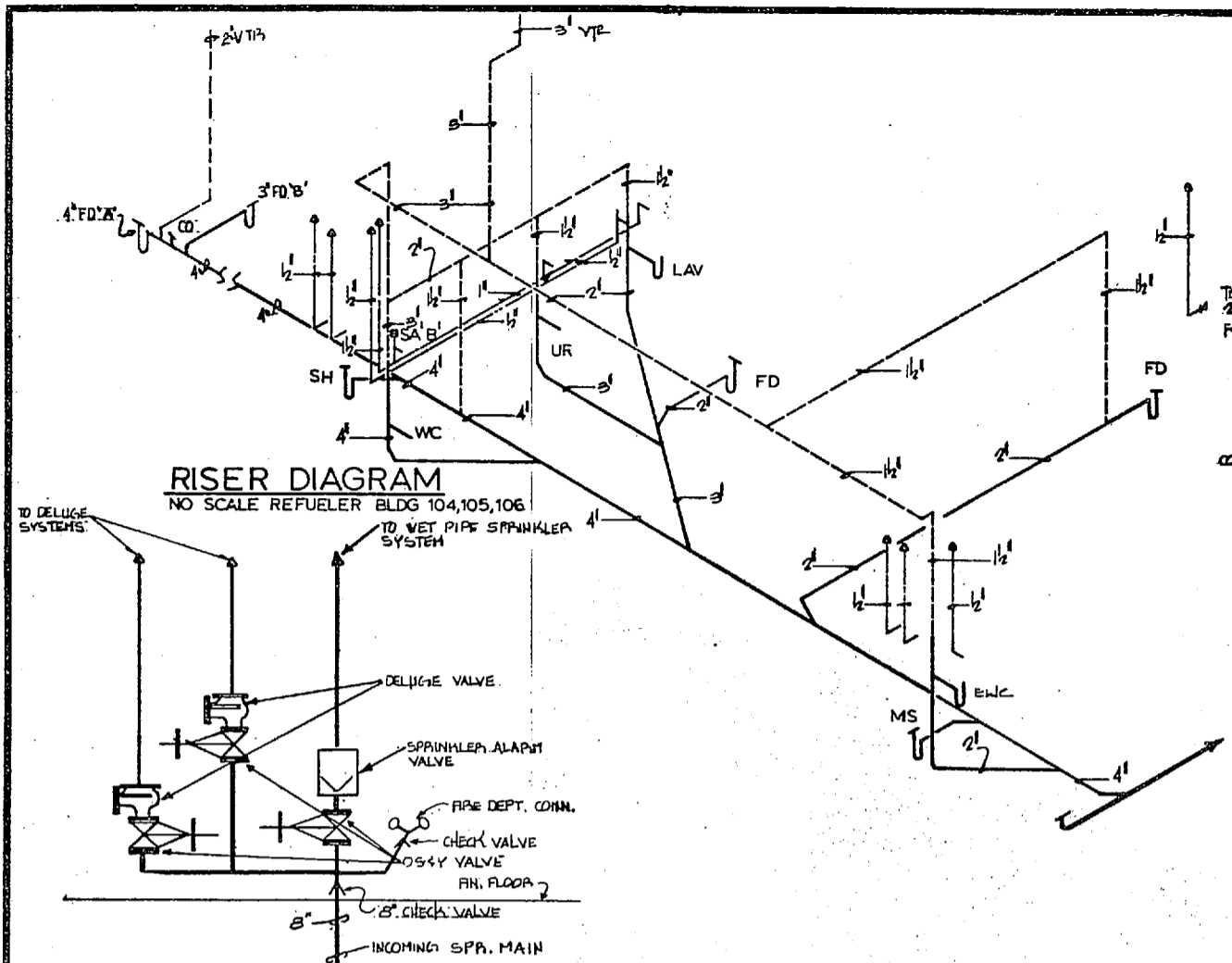
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2000



27.1.3

REVISIONS			
NO.	DESCRIPTION	DATE	BY



**PLUMBING LEGEND**

—	WASTE PIPING
—AR—	KEROSENE/WASTE PIPING
—	VENT PIPING
—RL—	ROOF LEADER PIPING
—	STEAM DRAINAGE PIPING
—	COLD WATER PIPING
—	HOT WATER PIPING
—CL—	CHLORINE LIQUID PIPING
—MO—	MOTOR OIL PIPING
—GO—	GREASE OIL PIPING
—HO—	HYDRAULIC OIL PIPING
—A150—	COMPRESSOR AIR PIPING 150 PSI
—SP—	SPRINKLER HAND PIPING
—OW—	OIL WASTE PIPING
—UMO—	USED MOTOR OIL PIPING
—OV—	OIL VENT PIPING
FD	FLOOR DRAIN
CO	CLEANOUT
WC	WATER CLOSET
UR	URINAL
LAV	LAVATORY
MS	HOP SINK
EWC	ELECTRIC WATER COOLER
SA	STEAK ABSORBENT
EWH	ELECTRIC WATER HEATER
SK	SINK
SH	SHOWER
WH	WALL HYDRANT
DR	DRY
VTR	VENT THROUGH ROOF
CD	COUNTERTOP DRAIN
CI	CHART IRON
AFG	LEAVE FINISHING CREW

**P-4**

J. M. PEASE ASSOCIATES  
ARCHITECTS - ENGINEERS - PLANNERS  
CHARLOTTE NORTH CAROLINA

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
ATLANTIC DIVISION  
NAVAL STATION  
FORT MONROE, VIRGINIA

OPERATIONAL AND MAINTENANCE FACILITY  
Marine Corps Air Station (Hull County)  
New River, Camp Lejeune, North Carolina

REFUELER VEHICLE  
MAINTENANCE BUILDING FLOOR PLAN & DIAGRAMS.

DATE: 12/19/77  
SCALE: 1/8" = 1'-0"

CONSTR. CONTR. NO. 4039380  
SPEC. OS-TT-1100  
SHEET 45 OF 56

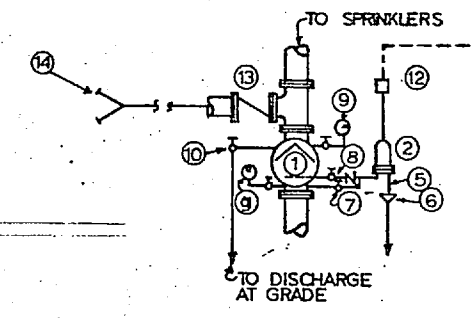
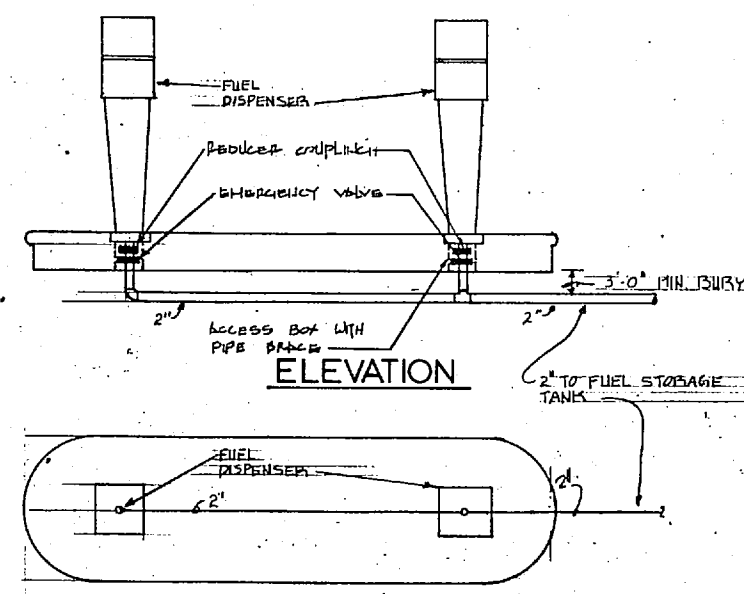
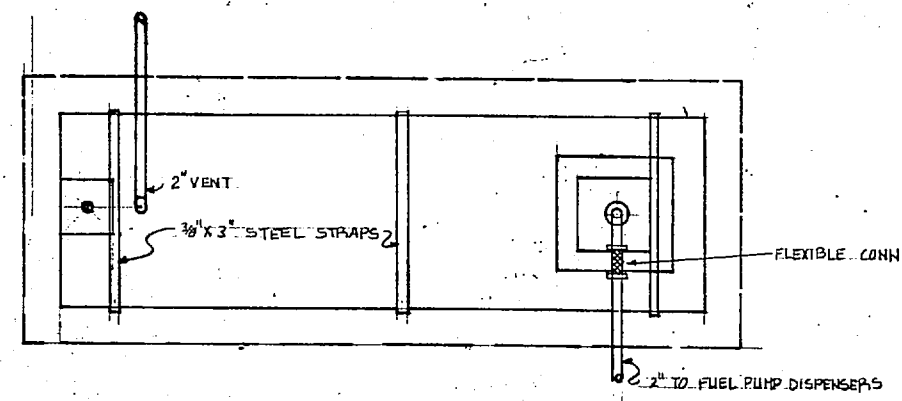
KFD DWG. NO. 139380

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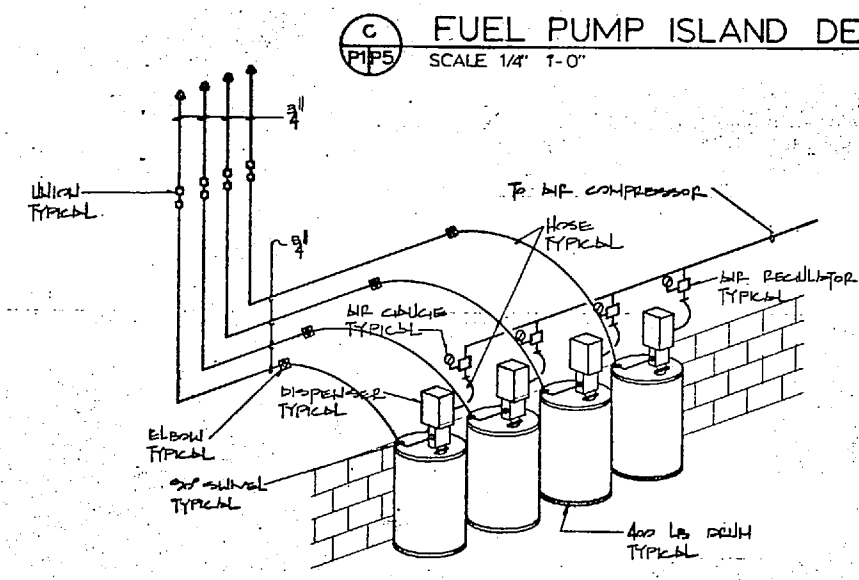
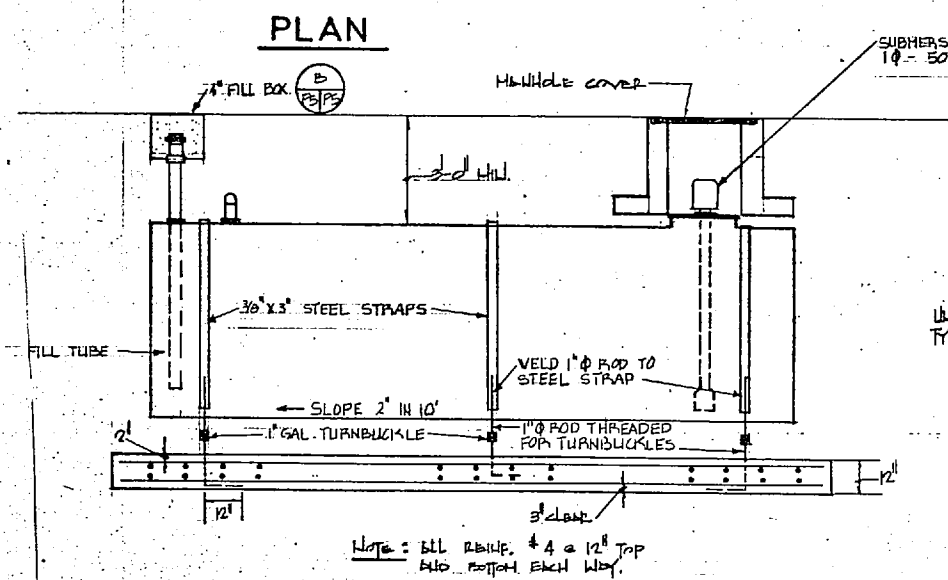


REVISIONS				
NO.	DESCRIPTION	DATE	BY	APPROVED

FIXTURE SCHEDULE					
ITEM	DESCRIPTION	CW	HW	WASTE	VENT
WC	WATER CLOSET	1"		4"	2"
UR	URINAL	1"		3"	1 1/2"
LAV	LAVATORY	1 1/2"		2"	1 1/2"
MS	MOP SINK	1 1/2"		3"	1 1/2"
SK	SINK	1 1/2"		2"	1 1/2"
SH	SHOWER	1 1/2"		2"	1 1/2"
EWC	ELEC. WATER COOL	1 1/2"		2"	1 1/2"
BSK	ACID RESIS. SINK	2"		2"	1 1/2"



- 1 ALARM CHECK VALVE
- 2 RETARD CHAMBER
- 3 OMIT
- 4 OMIT
- 5 AUTOMATIC DRIP
- 6 DRIP CUP
- 7 ALARM TEST VALVE (NORMALLY CLOSED)
- 8 ALARM SHUT OFF VALVE & CHECK
- 9 WATER PRESSURE GAGES
- 10 MAIN DRAIN VALVE
- 11 CODED ALARM TRANSMITTER OR RELAY (PRESSURE SWITCH)
- 12 CHECK VALVE W/BALL DRIP
- 13 FIRE DEPT CONNECTION



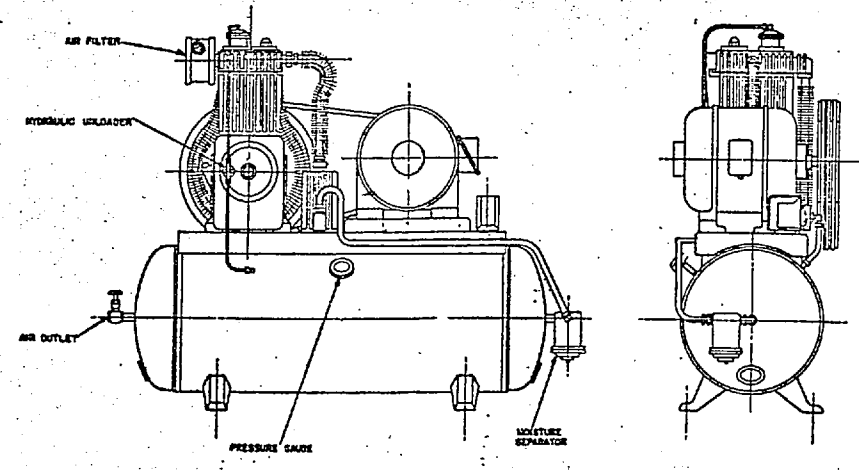
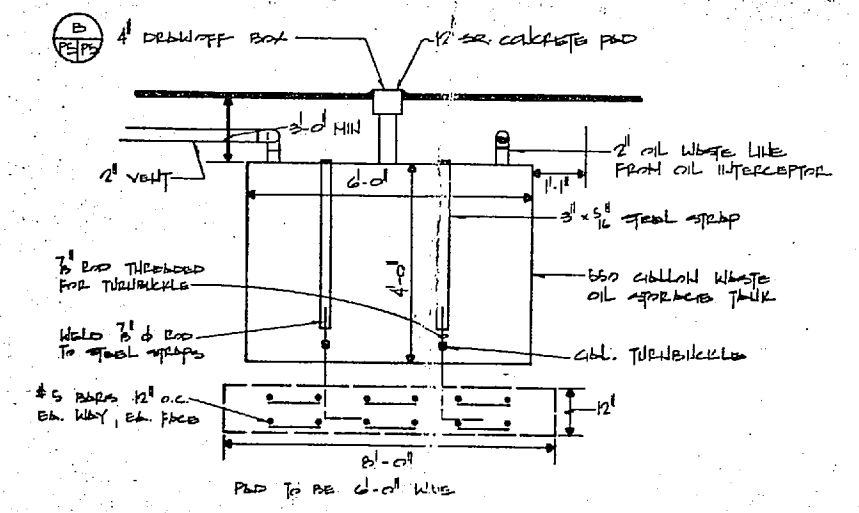
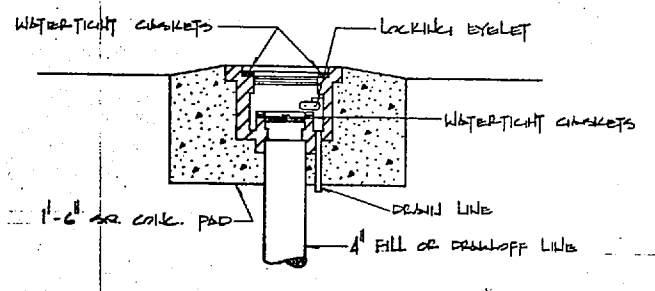
WET PIPE SPRINKLER SYSTEM CONNECTION  
DIAGRAM NO SCALE

AIR COMPRESSOR SCHEDULE							
LOCATION	PRESSURE-PSIG	MAX RPM	DISPLACEMENT	MIN. SCFM	MAX HP	ELECTRICAL	SIZE RECEIVER
REFUELER BLDG. RM. 107	200	870	100	70.0	20	208 VOLTS 3-PHASE	200 GALLON
COMBAT VEHICLE MAINTENANCE BLDG. RM.133	200	870	100	70.0	20	460 VOLTS 3-PHASE	200 GALLON

SPRINKLER H.A.D. CONTROL COMP-DRYER				
QUANTITY	LOCATION	PRESSURE	H.P.	ELECTRICAL
2	REFUELER BLDG. RM. 102	24-32 OZ.	5	120V, 1 PH.

A 3000 GAL FUEL STORAGE TANK DETAIL  
SCALE 3/8"=1'-0"

PIPING SCHEMATIC FOR LUBE EQUIPMENT ROOMS  
NO SCALE



B FILL BOX DETAIL  
NO SCALE

D WASTE OIL STORAGE TANK DETAIL  
NO SCALE

E AIR COMPRESSOR DETAIL  
NO SCALE

<b>J. N. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK VIRGINIA	
PROJECT NO. 240110-100 SUBMITTED BY: [Signature] DATE: 14 JAN 1977 DRAWN BY: [Signature] DATE: 14 JAN 1977 CHECKED BY: [Signature] DATE: 14 JAN 1977		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
APPROVED: [Signature] OFFICER IN CHARGE DATE: 14 JAN 1977		SIZE: F CODE IDENT. NO.: 80091 NAVFAC DRAWING NO.: 4039381 CONST. CONTR. NO.: N6240-TT-D-7100 SCALE: 1"=1'-0" SHEET 46 OF 56	

SATISFACTORY TO: [Signature]  
DATE: 14 JAN 1977

SEAL: NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER  
NO. 240110-100

27.3.2

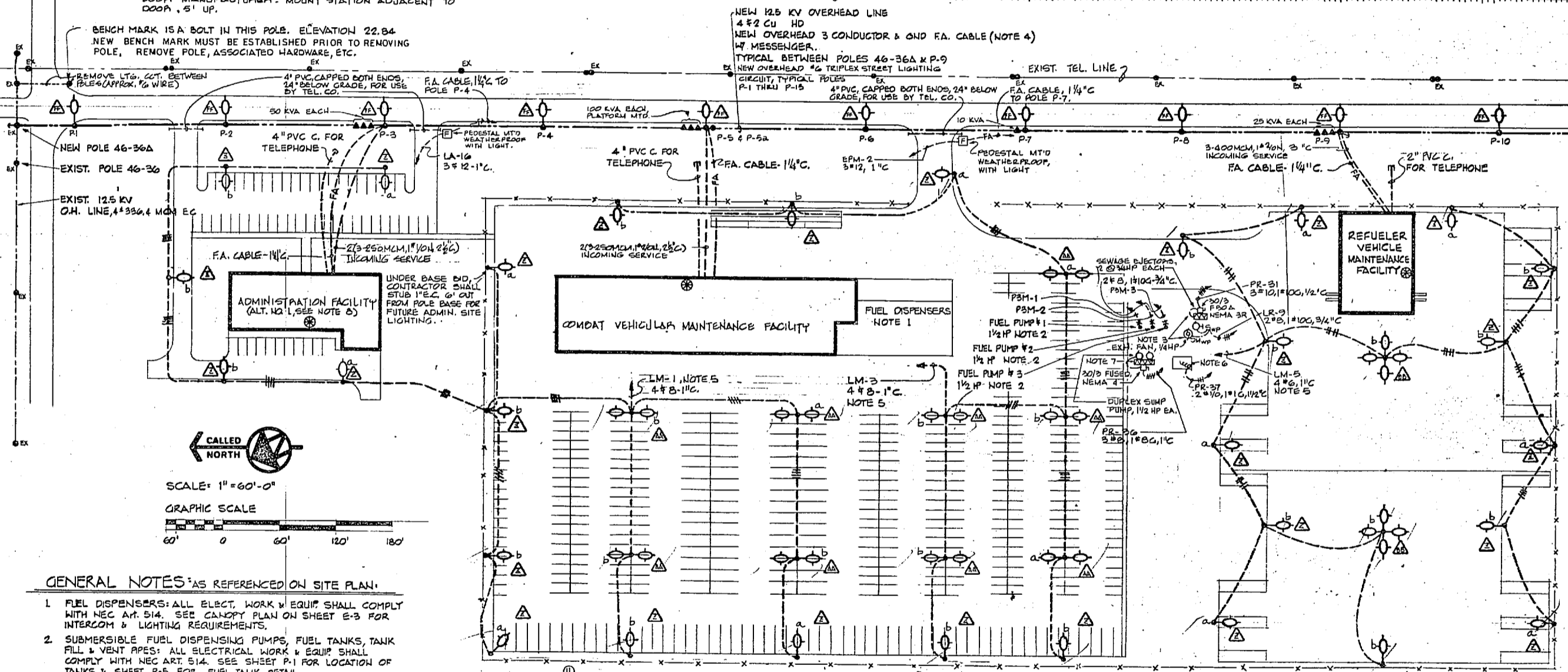
- POLE MOUNTED TRANSFORMER, SIZE AS NOTED
- OVERHEAD DISTRIBUTION LINES, EXISTING OR NEW, FOR POWER, TELEPHONE, STREET LIGHTING, ETC., AS NOTED.
- CONDUIT CONCEALED IN OR ABOVE CEILING; IN OVERHEAD SLAB OR IN WALL.
- CONDUIT CONCEALED IN OR BELOW FLOOR, IN OVERHEAD SLAB; IN WALL; OR UNDER GROUND.
- CONDUIT RUN EXPOSED.
- IF SHOWN, CROSS-LINES INDICATE NO. OF CONDUCTORS, INCLUDING GROUNDING CONDUCTOR. IF NOT SHOWN, CONDUIT CONTAINS TWO CONDUCTORS.
- CONDUIT TURNING UP.
- CONDUIT TURNING DOWN.
- CONDUIT STUB-UP WITH CONNECTION TO EQUIPMENT.
- CONDUIT EXPLOSION-PROOF SEAL-OFF.
- JUNCTION BOX-SIZE PER N.E.C.
- JUNCTION BOX & CONNECTION TO EQUIPMENT.
- JUNCTION BOX (SIZE PER N.E.C.) WITH FLEXIBLE CONDUIT CONNECTIONS TO FIXTURES AS SHOWN.
- LIGHTING, POWER OR DISTRIBUTION PANELBOARD.
- CONTROL PANEL.
- TELEPHONE CABINET.
- CEILING MOUNTED, SPANNING-DRIVEN AUTOMATIC REWIND CABLE REEL, FOR LIFT BALANCE DUTY, APPLETON PL 213 ACCELITE WITH 20' OF 3/8" GND. #12 LWS TYPE "50" CABLE & P.O.D. ROLLER OUTLET WITH GRAVITY-TYPE PATCHSET. TERMINATE WITH HUBBELL 5909-C R.O.A., 125V AC CONNECTOR BODY, NEMA 5-20P. EQUIVALENT EQUIP WILL BE EQUALLY ACCEPTABLE.
- SAME AS '06a' EXCEPT WALL MOUNTED, 60" UP & 10' OF CORD.
- CONNECTION TO ROLL-UP DOOR OPERATOR. RUN 4#14, 1/2" C FROM OPERATOR TO PUSHBUTTON STATION FURNISHED BY DOOR MANUFACTURER. MOUNT STATION ADJACENT TO DOOR, 6' UP.

**SYMBOL SCHEDULE**

- FLUORESCENT FIXTURE-DRAWN APPROX. TO SCALE.
- CEILING OUTLET-INCANDESCENT OR H.I.D. FIXTURE
- WALL OUTLET-INCANDESCENT OR H.I.D. FIXTURE.
- OUTLETS ON EMERGENCY OR LIGHT LIGHTING CIRCUITS
- FLUORESCENT STRIP LIGHT.
- EXIT LIGHT, CEILING MTD, SINGLE FACE
- EXIT LIGHT, CEILING MTD, DOUBLE FACE
- EXIT LIGHT, WALL MTD, RECESSED
- EXIT LIGHT, END WALL MTD, SINGLE FACE
- EXIT LIGHT, END WALL MTD, DOUBLE FACE
- STREET LIGHT & POLE. SUBSCRIPT INDICATES TYPE LUM'N.R.
- MULTIPLE LIGHT FIXTURES ON ONE POLE.
- 115 VOLT, 1 PHASE, FRACTIONAL HP MOTOR
- 200 VOLT, 3 PHASE MOTOR, NUMERICAL INDICATES HP
- 460 VOLT, 3 PHASE MOTOR, NUMERICAL INDICATES HP
- WHERE SHOWN FOR A SINGLE CIRCUIT IN A ROOM, SYMBOL INDICATES MULTILEVEL SWITCHING FOR FOUR-LAMP FIXTURES, SWITCH TWO INSIDE LAMPS TOGETHER & TWO OUTSIDE LAMPS TOGETHER. FOR THREE-LAMP FIXTURES, SWITCH TWO OUTSIDE LAMPS TOGETHER. EXTEND 2#12 & 1#12 GND THROUGH FIRST SWITCH TO SECOND.
- MAGNETIC STARTER.
- COMBINATION MAGNETIC STARTER WITH CIRCUIT BREAKER.
- COMBINATION MAGNETIC STARTER W/ NONFUSIBLE DISCONNECT.
- COMBINATION MAGNETIC STARTER W/ FUSIBLE DISCONNECT. NUMERICAL INDICATES AMPLACITY OF FUSE TO BE INSTALLED.
- MANUAL MOTOR STARTER, 1 PHASE.
- MANUAL MOTOR STARTER, 3 PHASE.
- SINGLE POLE SWITCH
- DOUBLE POLE SWITCH
- THREE-WAY SWITCH
- FOUR-WAY SWITCH
- SWITCH WITH PILOT LIGHT.
- LOWER CASE SUBSCRIPTS DESIGNATE OUTLETS CONTROLLED
- NONFUSIBLE DISCONNECT SWITCH, UNLESS NOTED AS FUSED. AN EXAMPLE OF FUSED SWITCH NOTATION IS 30/3, F25A WHICH INDICATES A 30AMP, 3 POLE SWITCH, FUSED AT 25 AMPS.
- CIRCUIT BREAKER.
- SWITCH WITH CAST WEATHERPROOF COVER, NEMA 3R.
- TELEPHONE OUTLET, 10" UP UNLESS OTHERWISE NOTED
- INTERCOM MASTER STATION, DESK MOUNTED, OUTLET FUSH IN WALL 40" UP OR ABOVE BACKSPASH.
- INTERCOM SLAVE STATION, WEATHERPROOF, SURFACE MOUNTED ON COLUMN, 60" UP.
- SURFACE METAL RACEWAY WITH NEMA 5-20R DEVICES SPACED AS INDICATED. MOUNT 48" UP OR ABOVE CASEWORK BACKSPASH.

- TELEPHONE OUTLET, COUNTER HEIGHT, CLEAR BACKSPASH & WALL CABINETS IF NO CABINETS, MOUNT 48" UP.
- DRY-TYPE TRANSFORMER, 3#.
- DRY-TYPE TRANSFORMER, 1#.
- FIRE ALARM BELL, MT. 8'-0" UP OR 1'-0" BELOW CEILING LOWER THAN 9'-0".
- FIRE ALARM CONTROL CABINET & CODED TRANSMITTER.
- FIRE ALARM MANUAL STATION, MOUNT BETWEEN 40" & 48" E UP.
- CLOCK & CLOCK OUTLET BOX, MT. 8'-0" UP OR 1'-0" BELOW CLG LOWER THAN 9'-0". SUBSCRIPT 'D' DENOTES DOUBLE FACE.
- FLOOR POWER OUTLET IN FLOOR BOX.
- STANDARD CONVENIENCE OUTLET, MOUNT 18" UP UNLESS NOTED OTHERWISE. NEMA 5-15R DUPLEX.
- STD CONV. OUTLET MT 48" UP OR ABOVE BACKSPASH. NEMA 5-15R DUPLEX.
- STD CONV. OUTLET FOR ELECTRIC WATER COOLER (ELECTRIC DRINKING FOUNTAIN) COORDINATE LOCATION CAREFULLY BY PLUMBING CONTRACTOR. NEMA 5-15R DUPLEX.
- SPECIAL OUTLET, TYPE AS NOTED.
- LIGHTING FIXTURE IDENTIFICATION SYMBOL. LETTER DESIGNATES FIXTURE TYPE AS DEFINED IN LIGHTING FIXTURE SCHEDULE, SHEET
- WOOD POLE, UNLESS OTHERWISE INDICATED, FOR POWER &/OR LIGHTING. NUMERICAL DENOTE POLE NUMBER
- SERVICE GROUND CONNECTION TO WATER MAIN & SUPPLEMENTARY GND ELECTRODE PER N.E.C. 250-81. IF SUPPLEMENTARY GND IS NOT AVAILABLE, THE CONTRACTOR SHALL INSTALL INSTEAD A MADE ELECTRODE.
- THERMOSTAT BY DIV. 15. SUBSCRIPT INDICATES FAN OR UNIT HEATER & POWER CIRCUIT FOR INDICATED EQUIP SHALL BE WIRED THRU THERMOSTAT.
- EXISTING WOOD POLE FOR POWER &/OR LIGHTING.
- ABOVE FINISHED FLOOR.
- ABOVE FINISHED GRADE.
- POLE GUY WIRE & ANCHOR.
- RELOCATE EXIST. POLE; ASSOCIATED WIRING ETC. AS REQ'D. TO AVOID NEW ROAD CONST.

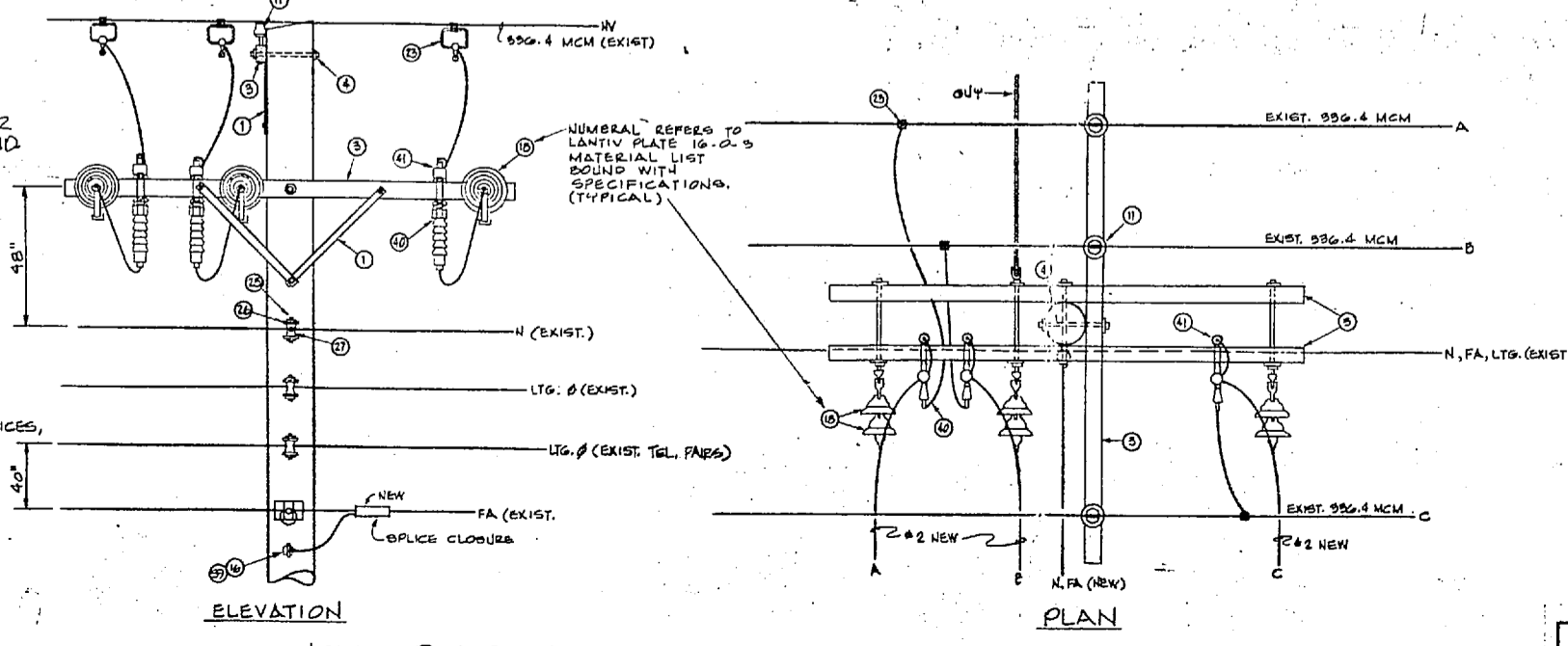
REV	DESCRIPTION	FILED BY	DATE	APPROVED



- WOOD POWER/LIGHT POLE NOTES** - LETTERS REFER TO LAUNDRY POLE PLATES BOUND WITH SPECIFICATIONS, EXCEPT LIGHTING FIXTURES REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E-2. ALSO SEE RAIL TENSION CHARTS ON SHEET E-2.
- 1. ALL POLES TO BE 45' LONG, CLASS AS INDICATED EXCEPT POLES P-5 & P-9, WHICH SHALL BE 55' LONG.
  - 2. POLES SHALL BE CONSTRUCTED AS FOLLOWS:
- P-1 ----- XFB, 15FR3, 61(NEUTRAL) L. FIXT. ST. DE-(24 TRIPLEX) SI (FA. CABLE), GRO., CLASS 4
  - P-2, P-4, P-6, P-8 ----- XFB, 15FR3, 61(NEUTRAL) L. FIXT. ST. DE-(24 TRIPLEX) SI (FA. CABLE), GRO., CLASS 4
  - P-3 ----- XFB, 15FR3, TTT 2-25 125KV-120/240V, Δ-Y 504, 51(NEUTRAL) L. FIXT. ST. DE-(24 TRIPLEX) SI (FA. CABLE), GRO., CLASS 1. 2-2 1/2" 1-3/4" CONDUIT 60" RSR.
  - P-5, P-5a ----- SEE POLES P-5 & P-5a DETAILS, THIS SHEET.
  - P-7 ----- XFB, 15FR3, TF 22KV-240V, 51(NEUTRAL) L. FIXT. ST. DE-(24 TRIPLEX) SI (FA. CABLE), GRO., CLASS 4
  - P-9 ----- DXFB, 15FDE3, TTT 2-25 125KV-120/240V, Δ-Y 504, 51(NEUTRAL) L. FIXT. ST. DE-(24 TRIPLEX) SI (FA. CABLE) ANCHOR 10" SCREW, GND, CLASS 2. 1-2 1/2" 1-3/4" CONDUIT 60" RSR.
  - P-10, P-11 ----- L. FIXT. ST. DE-(24 TRIPLEX) GRO., CLASS 4.
  - P-12 ----- L. FIXT. ST. DE-(24 TRIPLEX) GRO., CLASS 4.
  - P-13 ----- L. FIXT. ST. DE-(24 TRIPLEX) ANCHOR 10" SCREW, GRO., CLASS 4.
  - 46-36A ----- SEE "POLE 46-36A DETAILS" THIS SHEET, CLASS 4.

**GENERAL NOTES** AS REFERENCED ON SITE PLAN.

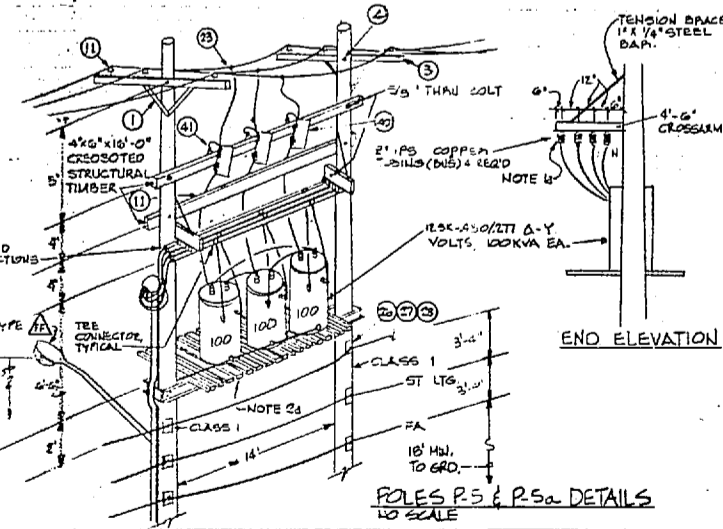
- FUEL DISPENSERS: ALL ELECT. WORK & EQUIP SHALL COMPLY WITH NEC ART. 514. SEE CANOPY PLAN ON SHEET E-3 FOR INTERCOM & LIGHTING REQUIREMENTS.
- SUBMERSIBLE FUEL DISPENSING PUMPS, FUEL TANKS, TANK FILL & VENT APES: ALL ELECTRICAL WORK & EQUIP SHALL COMPLY WITH NEC ART. 514. SEE SHEET P-1 FOR LOCATION OF TANKS & SHEET P-5 FOR FUEL TANK DETAIL.
- SEWAGE ELECTRODES, LIGHT CONTROL PULSES (ALL BY DIV 15) LOCATED IN MANHOLE. SEE SHEET P-1 FOR EXACT LOCATIONS OF ITEMS INSIDE MANHOLE. ELECTRICAL WORK SHALL BE NEMA 3R ON EXTERIOR OF MANHOLE, NEMA 4 INSIDE MANHOLE.
- MESSENGER SUPPORTED 3-CONDUCTOR CROSS-LINKED POLYETHYLENE INSULATED BUNDLED ON A MESSENGER WIRE OVERHEAD. PROVIDE 6-6'S USE UNDERGROUND.
- SEE LIGHTING CONTROL DIAGRAM ON SHEET E-7.
- CONNECT TO GOA BKR. ABOVE GROUND OIL SEPARATOR (BY DIV. 15) AS REQ'D. (SPICING WITHIN BREAKER ENCLOSURE ALLOWED TO ACCOMMODATE WLGs). SEE SHT. P-1 FOR LOCATION & COORDINATE EXACT LOCATION OF CONNECTION WITH UNIT INSTALLER.
- DUPLEX SUMP PUMP & CONTROL PHIL. (BY DIV. 15) IN MANHOLE. RISE 30/3 SWITCH AS RECOMMENDED BY MANUF. & INSTALL INSIDE MANHOLE. ALL WORK SHALL BE NEMA 4.
- ALTERNATE NO. 1 INCLUDES ADMINISTRATION FACILITY, SERVICES, (TELEPHONE, POWER & FIRE ALARM) AND SITE LIGHTING. UNDER BASE BID, PROVISIONS ON POLE P-3 SHALL BE MADE FOR FUTURE ADDITION OF 3-50 KVA AND FIRE ALARM SERVICE DROP. TYPE FF FIXTURES SHALL BE IN BASE BID.



**NEW POLE 46-36A DETAILS**  
NO SCALE

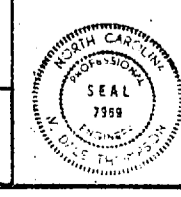
**NOTES FOR POLES P-5 & P-5a**

- INSULATOR BUS SUPPORTS SHALL BE NEMA TYPE TR-1 & PARALLEL CAP & PIN INSULATOR WITH TOP CLAMP FOR COPPER TUBING BUS. BOLT TO CROSSARM.
- EIGHTEEN 1" x 8" x 8" CROSOOTED STRUCTURAL GRADE TIMBERS HELD WITH A 3/8" x 3/4" CARRIAGE BOLT IN EACH CHANNEL.



**POLES P-5 & P-5a DETAILS**  
1/8" SCALE

SATISFACTORY TO  
*[Signature]*  
DATE 1/15/77

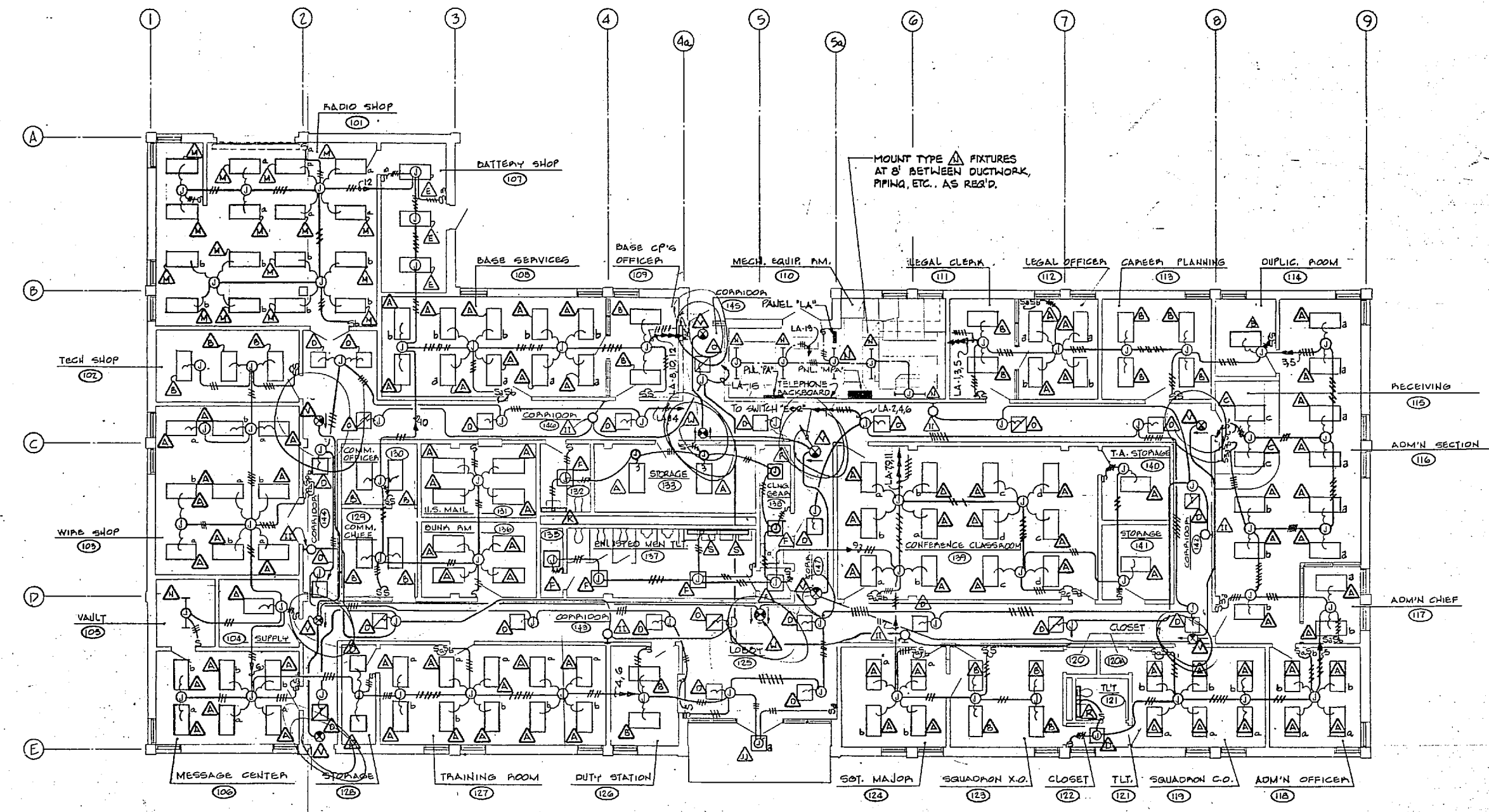


<b>J. N. PEASE ASSOCIATES</b> ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY New River, Camp Lejeune, North Carolina	
SHEET NO. 47 OF 56 DATE 1/15/77	DRAWING NO. <b>4039382</b>	SPEC <b>05-TT-7100</b>	SHEET 47 OF 56 EFD DWG. NO. <b>139382</b>

A.

27.3 2.2

REVISIONS				
STA	DESCRIPTION	PREP BY	DATE	APPROVED



FLOOR PLAN - LIGHTING ADMINISTRATION FACILITY, ALTERNATE NO. 1  
 1/8" = 1'-0"  
 GRAPHIC SCALE  
 0' 10' 20'



SAG & TENSION CHART (INITIAL)				
CONDUCTOR	TEMP. DEGREE F	SAG - FEET	CONDUCTOR TENSION - LBS.	RULING SPAN - FT.
NEW 1247KV CIRCUIT NR 2 BARE CU. HD 7 STRD.	30°	10.2'	1040	170'
	60°	1'-0"	850	170'
	90°	1'-3.6"	670	170'

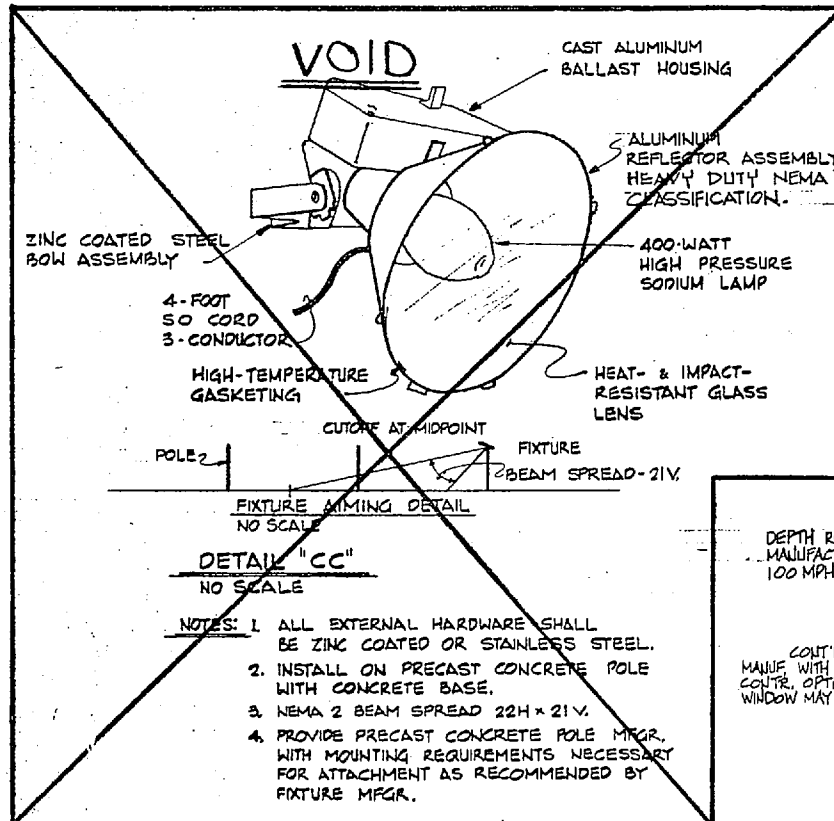
RULING SPAN = 158 + 11.22 = 169.22 ~ 170'

SAG & TENSION CHART (FINAL)				
CONDUCTOR	TEMP. DEGREE F	SAG - FEET	CONDUCTOR TENSION - LBS.	RULING SPAN - FT.
NEW 1247KV CIRCUIT NR 2 BARE CU. HD 7 STRD.	30°	10.8"	978	170'
	60°	1'-2"	760	170'
	90°	1'-6"	580	170'

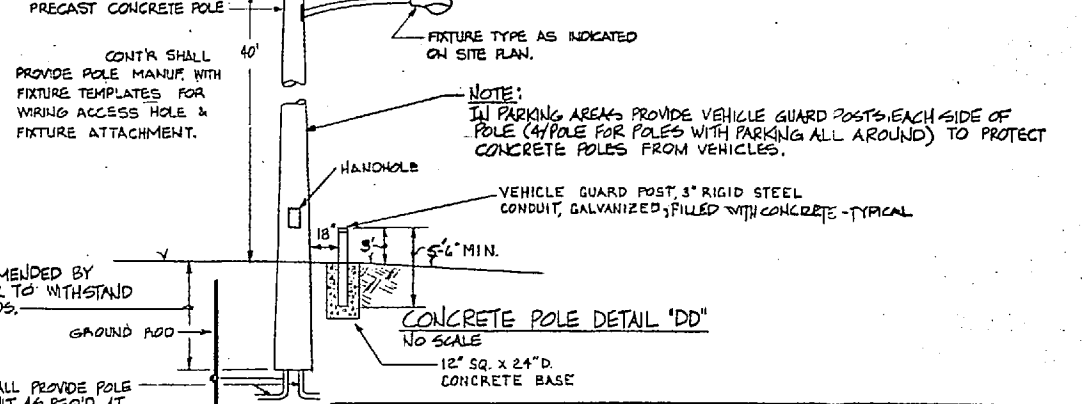
RULING SPAN = 158 + 11.22 = 169.22 ~ 170'

FIXTURE TYPE SYMBOL	LANTERN PLATE & TYPE SEE SPECIFICATIONS OR DETAIL ON SHT.	NUMBER & TYPE OF LAMPS (SEE NOTE AT BOTTOM)	VOLTS	MOUNTING	REMARKS (EXCEPTIONS TO LANTERN PLATE)
△	16-C-2	2-40W, T-12, R.S.	120	RECESSED, CEILING	AIR HANDLING, SUITABLE FOR AIR SUPPLY OR RETURN FLOW & OR SLOTTED FIXTURE TO HAVE SLOT COVERS FOR REMOVAL AS DIRECTED BY MECHANICAL SUBCONTRACTOR.
△	16-C-2	3-40W, T-12, R.S.	120		SAME AS FOR TYPE △
△	16-C-2	4-40W, T-12, R.S.	120		SAME AS FOR TYPE △
△	16-D	2-40W, U-SHAPED, T-12, R.S.	120		SAME AS FOR TYPE △
△	16-B-2	2-40W, T-12, R.S.	120		SAME AS FOR TYPE △ GYPCBOARD CEILING
△	16-D	2-40W, U-SHAPED, T-12, R.S.	120		SAME AS FOR TYPE △ GYPCBOARD CEILING
△	16-C-2	2-40W, T-12, R.S.	277		SAME AS FOR TYPE △
△	16-C-2	3-40W, T-12, R.S.	277		SAME AS FOR TYPE △
△	16-C-2	4-40W, T-12, R.S.	277		SAME AS FOR TYPE △
△	16-D	2-40W, U-SHAPED, T-12, R.S.	277		SAME AS FOR TYPE △
△	16-B-2	2-40W, T-12, R.S.	277		SAME AS FOR TYPE △ GYPCBOARD CEILING
△	16-D	2-40W, U-SHAPED, T-12, R.S.	277		SAME AS FOR TYPE △ GYPCBOARD CEILING
△	16-C-2	2-40W, T-12, R.S.	120		SAME AS FOR TYPE △
△	16-H-2	2-40W, T-12, R.S.	120	SURFACE CEILING UNLESS MFG. HT. INCA.	
△	16-F-2	3-75W, T-12, I.S.	277	PENDANT	THIN STEM HANGER 9'-0" UNLESS OTHERWISE NOTED
△	16-H-2	2-40W, T-12, R.S.	277	SURFACE CEILING UNLESS MFG. HT. SHOWN	
△	DELETED				
△	16-AA-2	2-30W, T-12, R.S.	120	SURFACE, WALL	
△	16-AA-3	2-40W, T-12, R.S.	120		
△	16-AA-2	2-30W, T-12, R.S.	277		
△	16-AA-3	2-40W, T-12, R.S.	277		
△	16-Z, TYPE 1	AS REQUIRED	120	SURFACE, CEILING	
△	16-Z, TYPE 2		120		
△	DELETED				
△	16-O	1-400W, M.H.	277	PENDANT	WIRE GUARD
△	16-BB-C	1-250W, H.R.S.	480	40' UP ON POLE	PRECAST CONCRETE POLE, BUILT-IN FUSING.
△	16-BB-C	2-250W, H.R.S.	480		PRECAST CONCRETE POLE, BUILT-IN FUSING.
△	16-BB-C	4-250W, H.R.S.	480		PRECAST CONCRETE POLE, BUILT-IN FUSING.
△	EMERGENCY LTS UNIT - SET SPEC	2-25W SEALED BEAM	277	SURFACE, WALL	REMOTE LAMPS, WHERE INDICATED, BE AFT OR BELOW CEILING LOWER THAN 9' UNLESS OTHERWISE NOTED.
△	DELETED				
△	16-O	1-400W, M.H.	20B	PENDANT	LOW TEMPERATURE, DAMP LOCATION, WIRE GUARD, BUILT-IN FUSING.
△	16-BB	1-200W, H.R.S.	240		WOOD POLE, BUILT-IN FUSING, VERTICAL WITH OVERHEAD WIRING AS SHOWN.
△	16-E-2	2-75W, T-12, I.S.	277	SURFACE-CEILING	LOW TEMPERATURE, WET LOCATIONS
△	CHIT				
△	EMERGENCY LTS UNIT - SET SPEC	2-25W SEALED BEAM	120	SURFACE WALL	REMOTE LAMPS, WHERE INDICATED, BE AFT OR BELOW CEILING LOWER THAN 9' UNLESS OTHERWISE NOTED.
△	16-M	1-100W, M.H.	120	RECESSED, SOFFIT	DAMP LOCATION, LOW TEMP BALLAST

NOTE: ALL 40W T-12 RS FLUORESCENT LAMPS SHALL BE RATED 35 NOMINAL WATTS, 5000 HOURS LUMENS

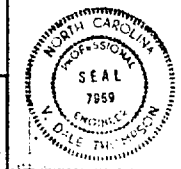


- NOTES: 1. ALL EXTERNAL HARDWARE SHALL BE ZINC COATED OR STAINLESS STEEL.  
 2. INSTALL ON PRECAST CONCRETE POLE WITH CONCRETE BASE.  
 3. NEMA 2 BEAM SPREAD 22H x 21V.  
 4. PROVIDE PRECAST CONCRETE POLE MFR. WITH MOUNTING REQUIREMENTS NECESSARY FOR ATTACHMENT AS RECOMMENDED BY FIXTURE MFG.



NOTE: IN PARKING AREAS PROVIDE VEHICLE GUARD POSTS EACH SIDE OF POLE (4 POLE FOR POLES WITH PARKING ALL AROUND) TO PROTECT CONCRETE POLES FROM VEHICLES.

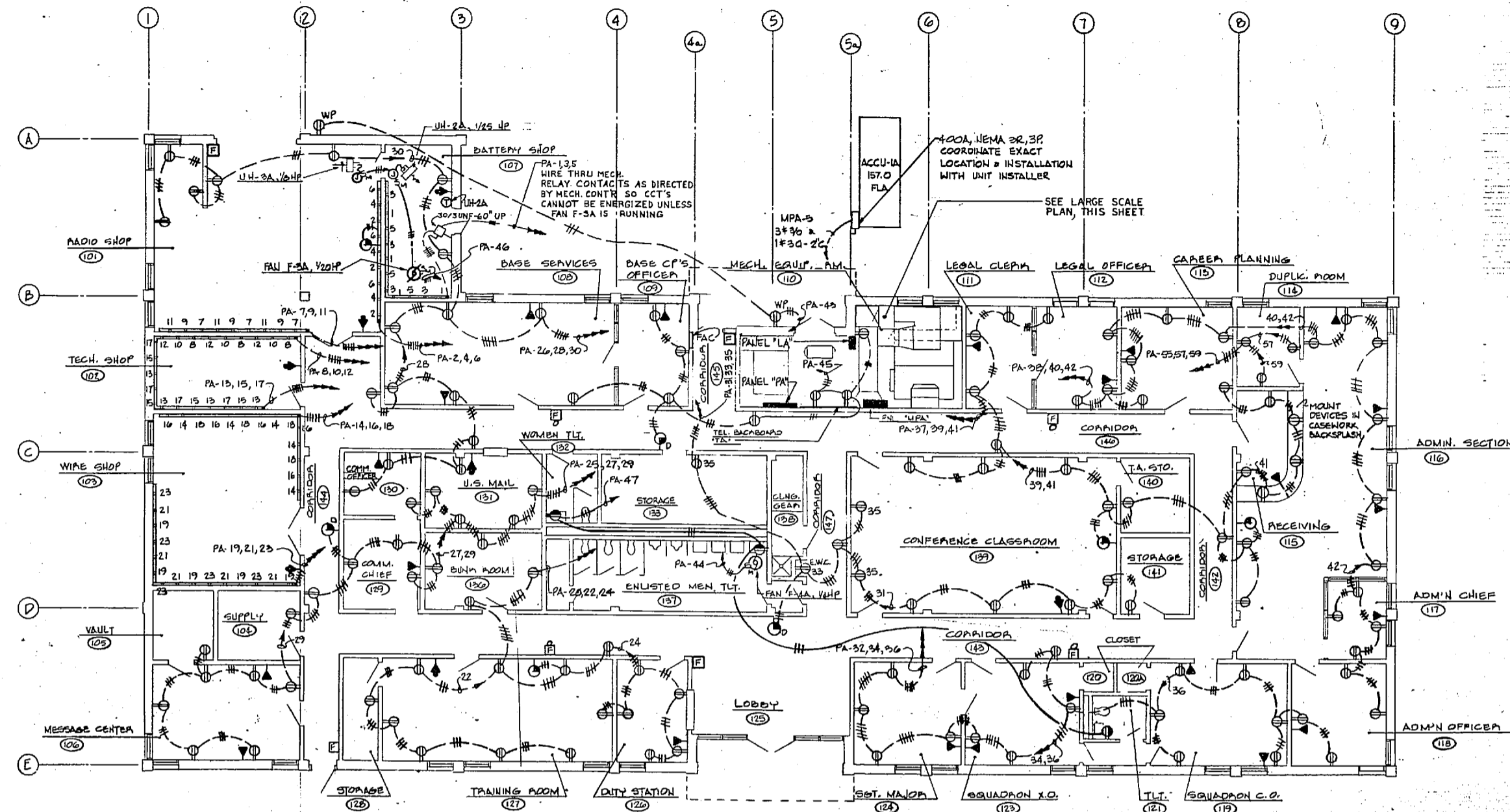
SATISFACTORY TO  
 DATE 4/15/72



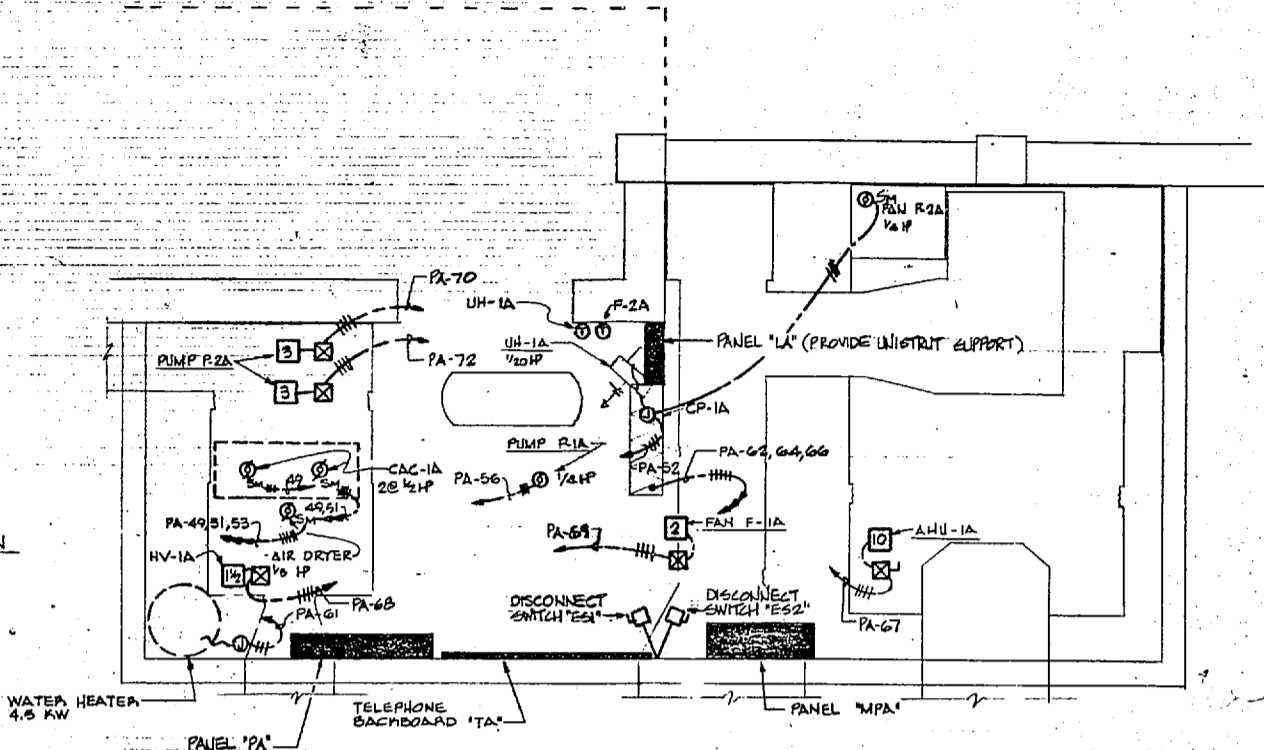
J. N. PEASE ASSOCIATES ARCHITECTS-ENGINEERS-PLANNERS CHARLOTTE, NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION MORFORD, VIRGINIA	
DES. DT. OR MFR. OR ENGR. PROJ. MGR. SUBMITTED BY DATE FILE NUMBER ED: J.P. [Signature] DATE: 4/22		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
APPROVED: [Signature] DATE: 4/22		ADMIN. BLDG. FLOOR PLAN - LIGHTING	
OFFICE IN CHARGE DATE: 4/22		NAVFAC DRAWING NO. 4039383	
APPROVED: [Signature] DATE: 4/22		CONSTR. CONTR. NO. N62470-TT-B-1100	
FOR TID FOR COMMANDER, NAVFAC		SCALE: 1/8" = 1'-0"	
		SHEET 48 OF 56	
		EFD DWG. NO. 139383	

3 1 1 3 1 1 2

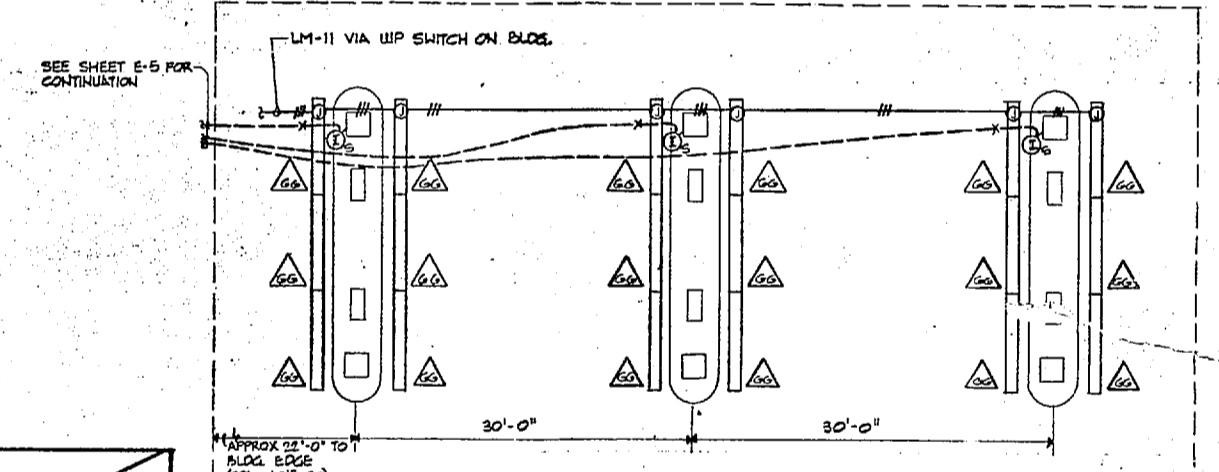
REVISIONS			
SYM	DESCRIPTION	PREP BY	DATE



**FLOOR PLAN - POWER ADMINISTRATION FACILITY, ALTERNATE NO. 1**  
 1/8" = 1'-0"  
 GRAPHIC SCALE  
 0' 10' 20'



**MECHANICAL EQUIPMENT ROOM - 110**  
 3/8" = 1'-0"  
 GRAPHIC SCALE  
 0' 10' 20'



**COMBAT VEHICLE MAINTENANCE FACILITY - LIGHTING & POWER FUEL PUMP & SHED PLAN**  
 NO SCALE

- NOTES:**
1. PROVIDE LIGHTING & ASSOCIATED WIRING, SWITCH & CONDUIT UNDER ALT. NO. 2. SEE SPEC. SECTION ENTITLED "GENERAL PARAGRAPHS".
  2. INTERCOM & DISPENSER REQUIREMENTS SHALL BE PROVIDED UNDER BASE BID.
  3. SEE SHEET E-5 FOR INTERCOM CABINET & PANEL "P3" LOCATIONS.
  4. SEE "TYPICAL INTERCOM STATION AT DISPENSER" THIS SHEET FOR INTERCOM MOUNTING W/O CANOPY.

**VOLTS: 208Y/120, 3Φ, 4 WIRE (ALT. NO. 1) PANEL "MPA" LOCATION: MECH. EQUIP. RM 110 ADMIN. FACILITY**

MAIN: 600 AMP, WGS ONLY      MTG: SURFACE TYPE: CCB

CKT NO	BREAKER	AMP	POLE	LTG.	REC.	MISC.	LOAD (VOLT AMPS)			LOCATION	BRKR CLASS
							∅ A	∅ B	∅ C		
1	100	3					6900	5700	5500	FEEDER TO PNL. LA	20B
2	100	3					25530	21513	22444	FEEDER TO PNL. PA	20B
3	225	3								SPACE ONLY	20B
4		3								SPACE ONLY	20D
5	300	3					18055	18055	18055	ACCU-1A	20D
6		3								SPACE ONLY	20D
							50491	51263	45677		

**NOTES:**  
 1. EQUIP. GND BUS.  
 2. SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.

**VOLTS: LOCATION: PANEL: MTG:**

CKT NO	BREAKER	AMP	POLE	LTG.	REC.	MISC.	LOAD (VOLT AMPS)			LOCATION	BRKR CLASS
							∅ A	∅ B	∅ C		
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
							TOTALS				

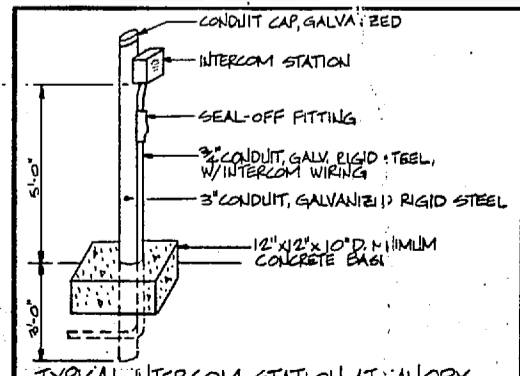
**NOTES:**

**MOTOR CONTROL CENTER "A"**

SERVICES: 200 VOLTS, 3 PHASE, 3 WIRE MAIN BUS: 600 A  
 TYPE: NEMA CLASS 1, TYPE 3 BRACED FOR: 42,000 AMPS RMS SYM.

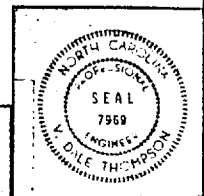
UNIT	SERVING	SPACE UNITS	HP	AMPS	STARTER	WIRE & CONDUIT	REMARKS
1	AHU-1A	1X	10	32	C-FVNR	3Φ 8 x 1 1/2 GND-1" C	
2	FAN-F-1A	1X	2	7.8		3Φ 8 x 1 1/2 GND-1" C	
3	HV-1A	1X	1/2	6.3			
4	PUMP P-2A	1X	3				
5	PUMP P-1A	1X	3				
6	SPACE	1/2X					PROVISIONS
7	INCOMING LINE	PER					

X: 20"W x 12"H x 13"D. SPACE UNIT  
 C-FVNR: COMBINATION FUSED SWITCH W/ FULL-VOLTAGE NON-REVERSING MAG. ETIC STARTER



**TYPICAL INTERCOM STATION AT CANOPY**  
 NO SCALE  
 NOTE: PROVIDE UNDER BASE BID UNDER ALTERNATE NO. 2. MOUNT STATION ON CANOPY COLUMN.

SATISFACTORY TO  
*[Signature]*  
 DATE 12/17/77



**46-4157** **E-3**

J. N. PEASE ASSOCIATES ARCHITECTS-ENGINEERS-PLANNERS  
 CHARLOTTE NORTH CAROLINA

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND  
 ATLANTIC DIVISION NORFOLK, VIRGINIA

PROJECT: SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY  
 Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina

ADMIN. BLDG. FLOOR - PLAN-POWER

APPROVED: *[Signature]* DATE: 12/17/77  
 OFFICER IN CHARGE

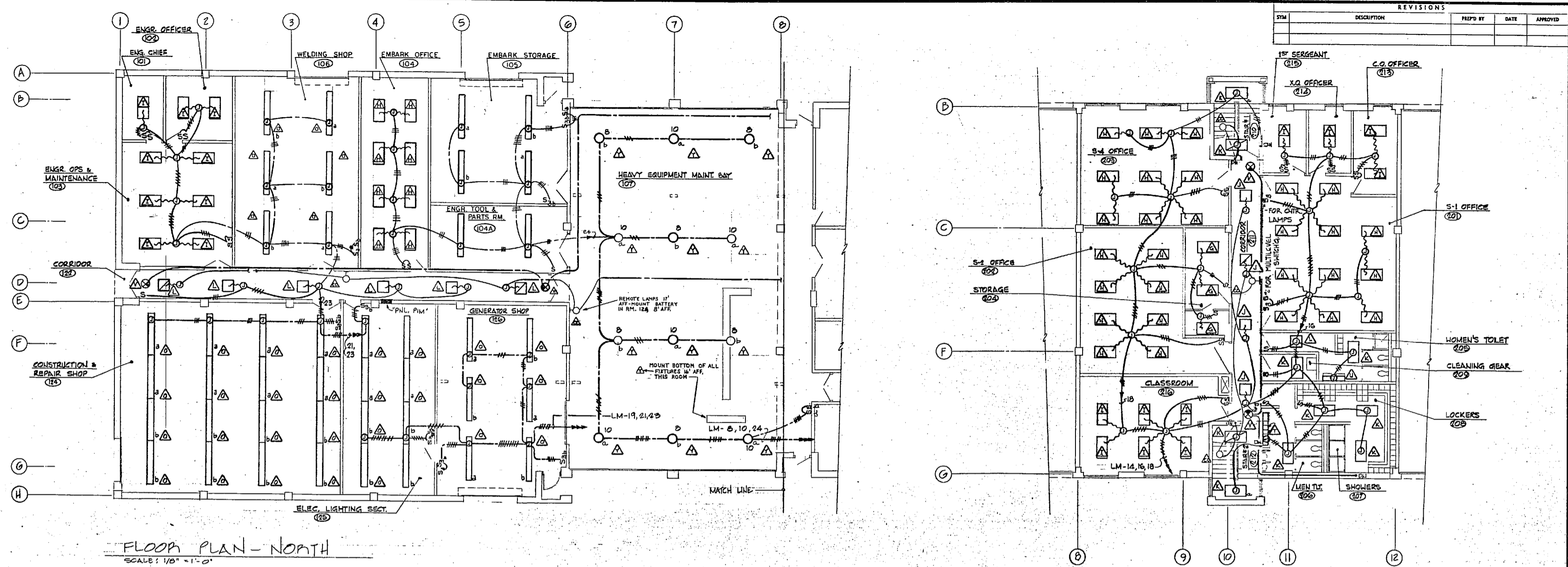
SIZE: F CODE IDENT NO: 80091  
 NAVFAC DRAWING NO: 4039384  
 CONSTR. CONTR. NO: N62470-TT-B-1100

SCALE: SPEC: 05-TT-1100 SHEET 49 OF 56  
 EFD DWG. NO. 139384

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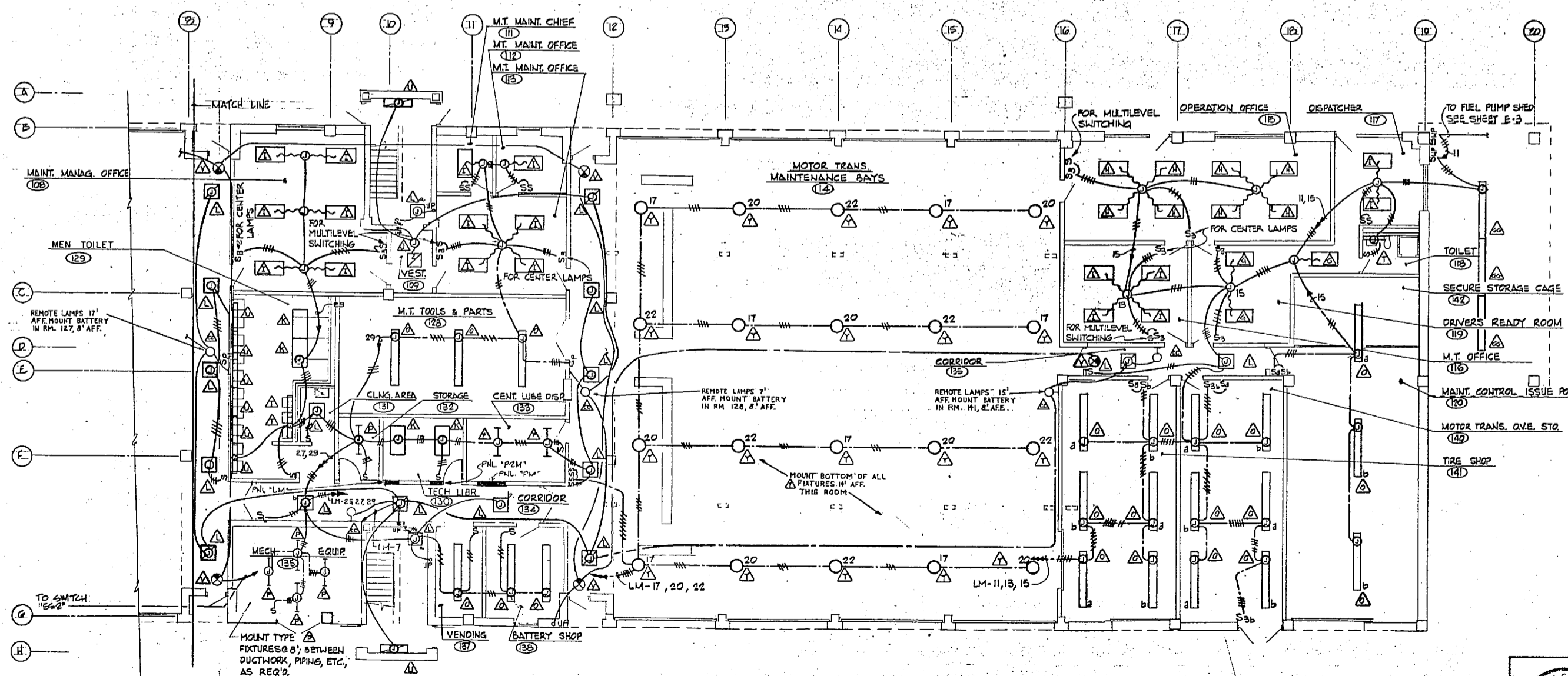
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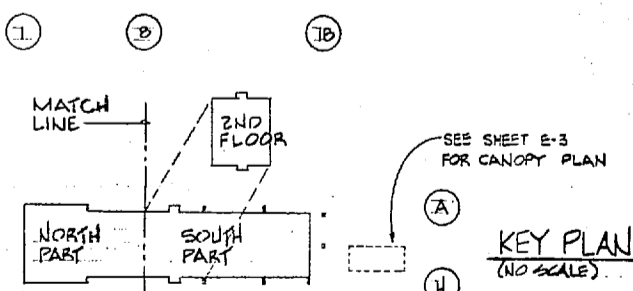
FLOOR PLAN - NORTH  
SCALE: 1/8" = 1'-0"

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

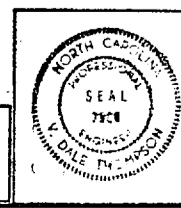


FLOOR PLAN - SOUTH  
SCALE: 1/8" = 1'-0"  
GRAPHIC SCALE

NOTE: ON SHEET E-2, FOR TYPE Δ, CHANGE 16-AA-2 TO 16-AA-3.



SATISFACTORY TO  
*[Signature]*  
DATE 12/15/77



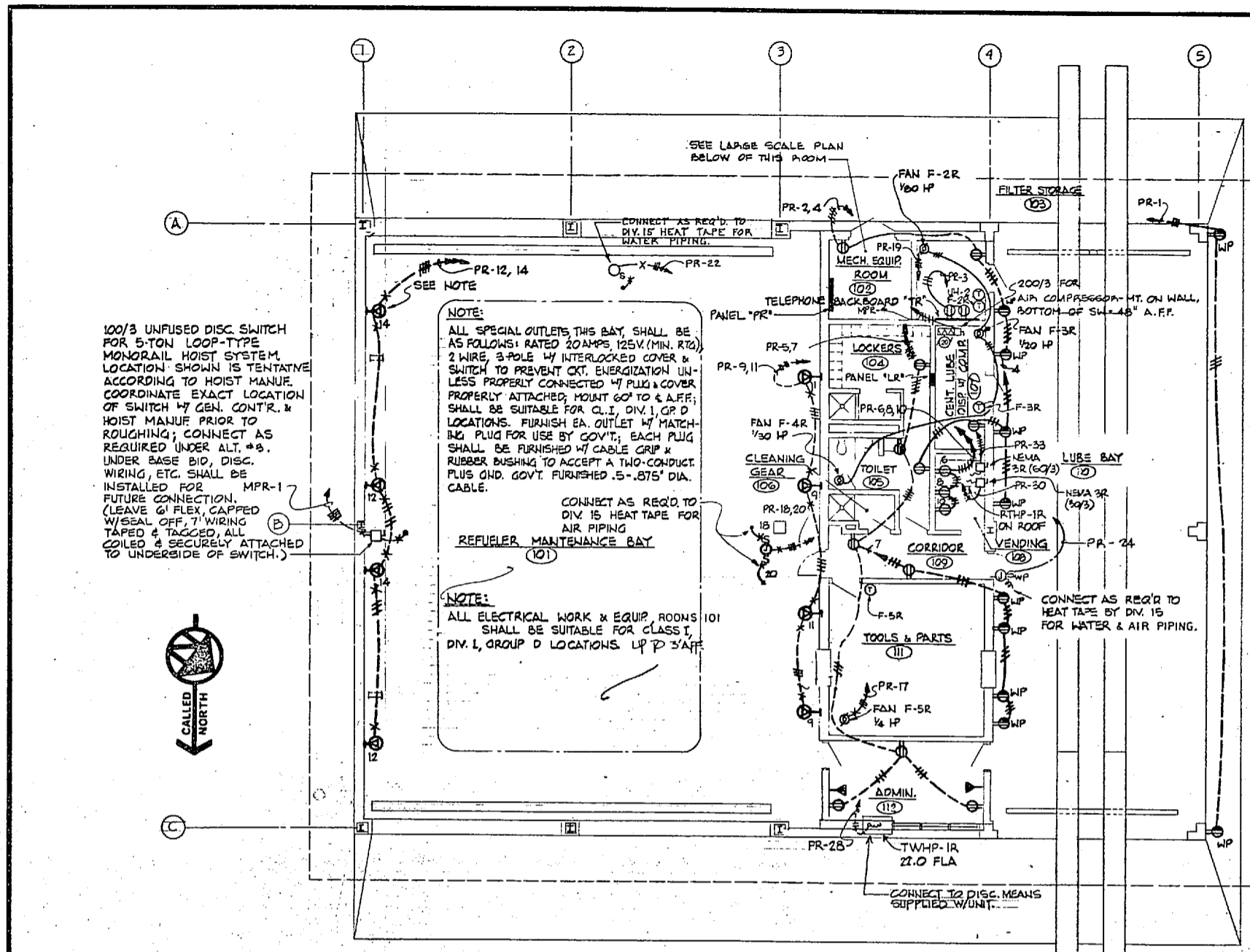
J. N. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL STATION		NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NORFOLK VIRGINIA	
DESIGNED BY: <i>[Signature]</i> DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i> DATE: 29 JUN 1979		SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina			
PROJECT NO. 4039385 DRAWING NO. 80091		COMBAT VEH. MAINT. BLDG., FLOOR PLAN - LIGHTING NAVY DRAWING NO. 4039385 CONSTR. CONTR. NO. N62470-TT-D-7100			
SHEET 50 OF 56 SCALE: 1/8" = 1'-0"		SHEET 50 OF 56 139385			



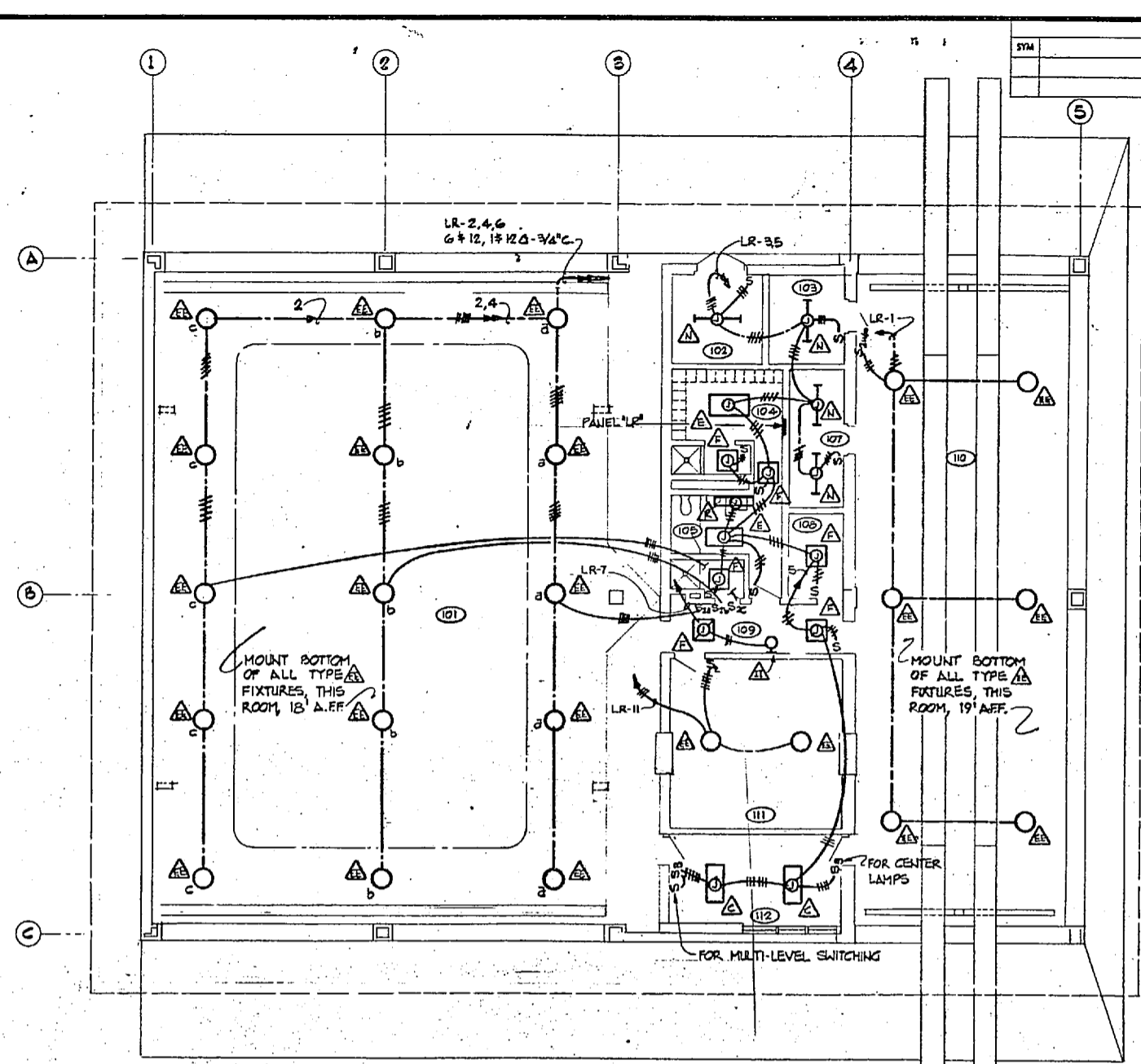
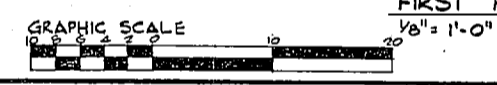
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C  
3  
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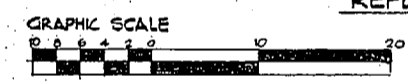
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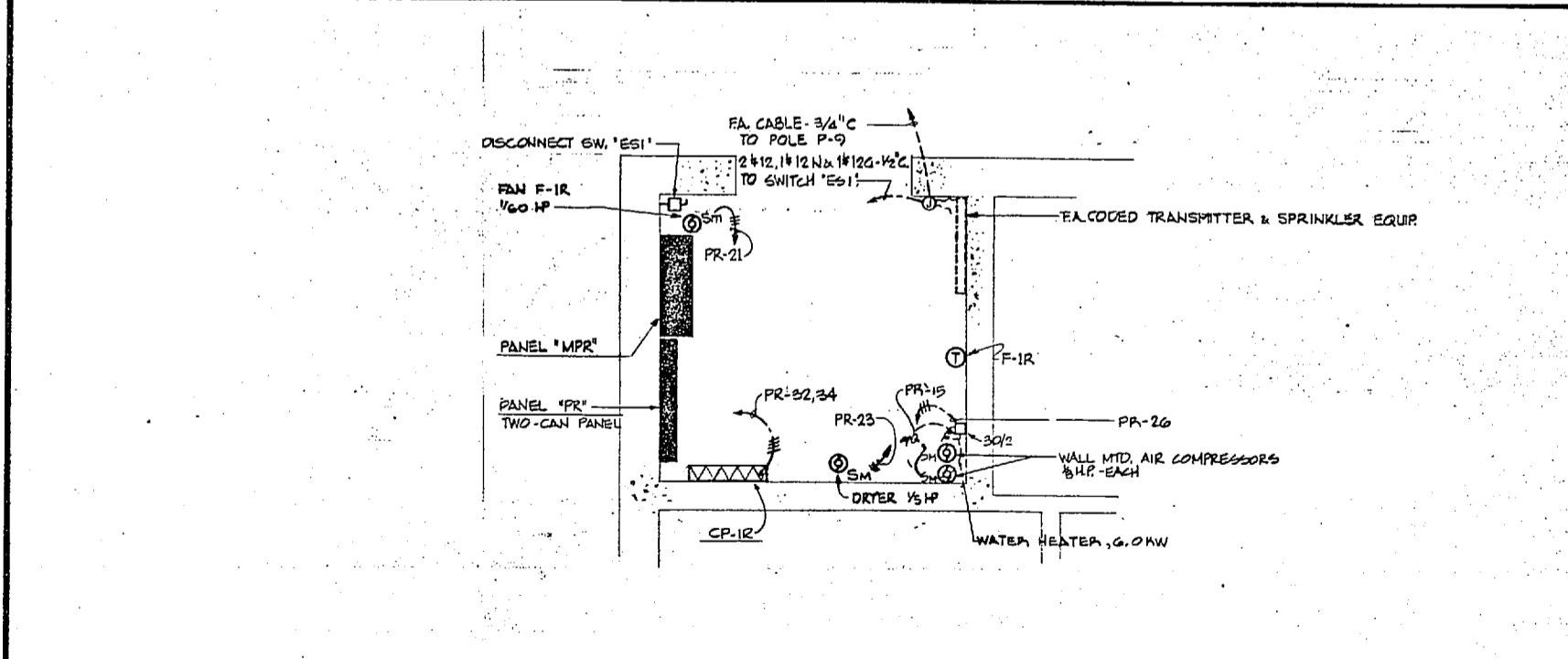
REFUELER VEHICLE MAINTENANCE FACILITY  
FIRST FLOOR PLAN- POWER



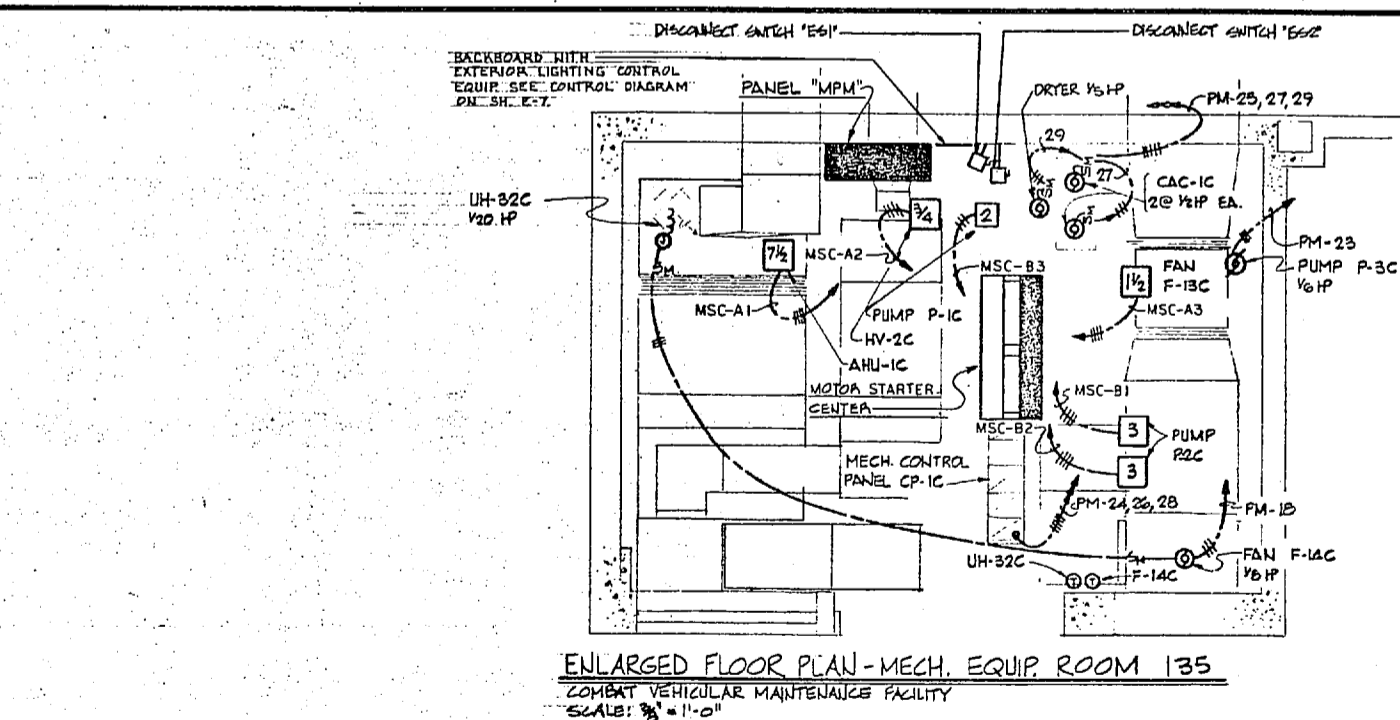
REFUELER VEHICLE MAINTENANCE FACILITY  
FIRST FLOOR PLAN- LIGHTING



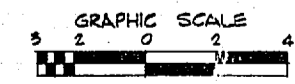
REVISIONS			
SYM	DESCRIPTION	PREP BY	DATE



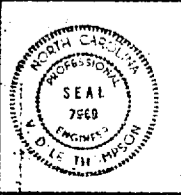
ENLARGED FLOOR PLAN- MECH. EQUIP ROOM 102  
REFUELER VEHICLE MAINTENANCE FACILITY  
SCALE 3/8" = 1'-0"



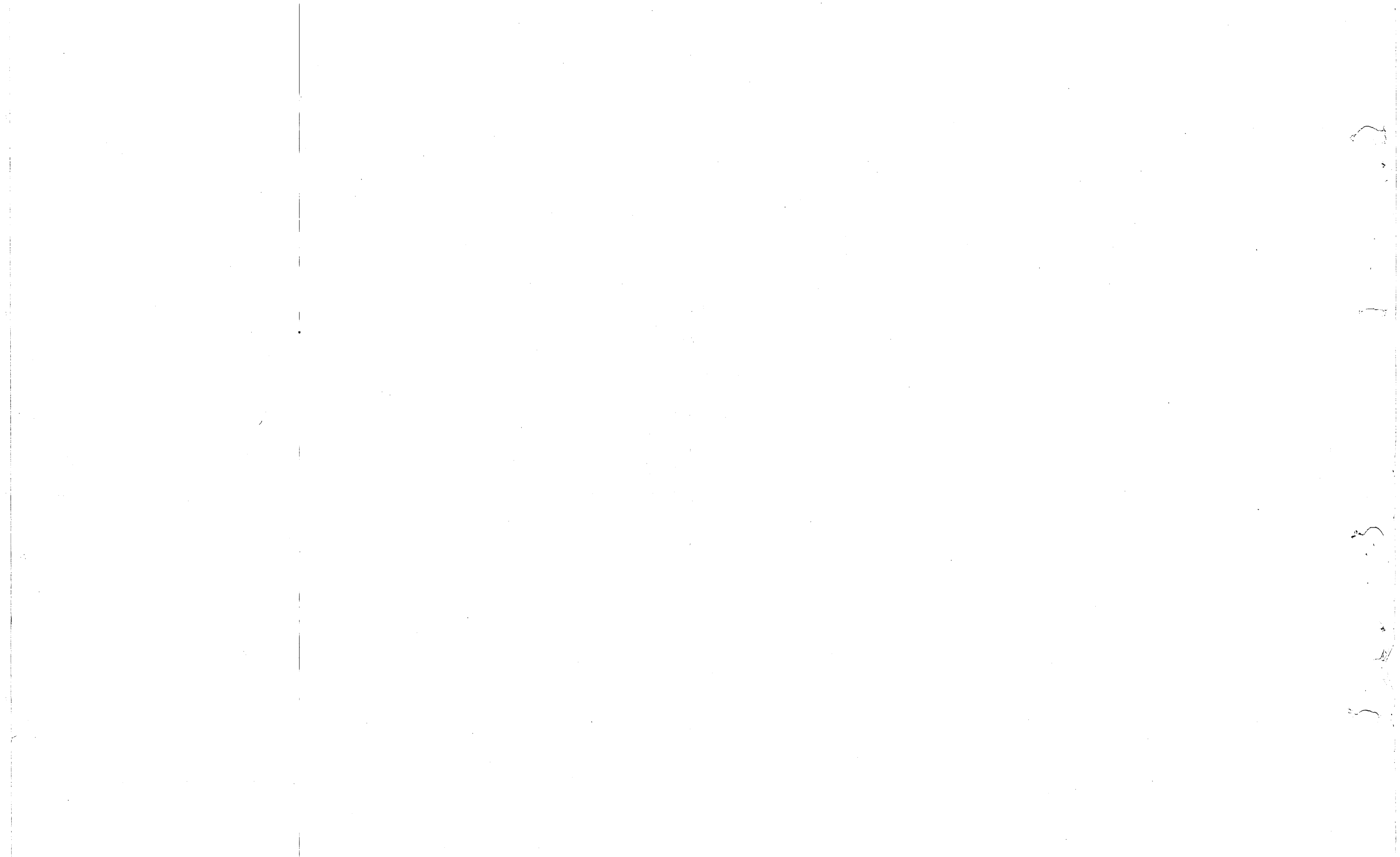
ENLARGED FLOOR PLAN- MECH. EQUIP ROOM 135  
REFUELER VEHICLE MAINTENANCE FACILITY  
SCALE: 3/8" = 1'-0"



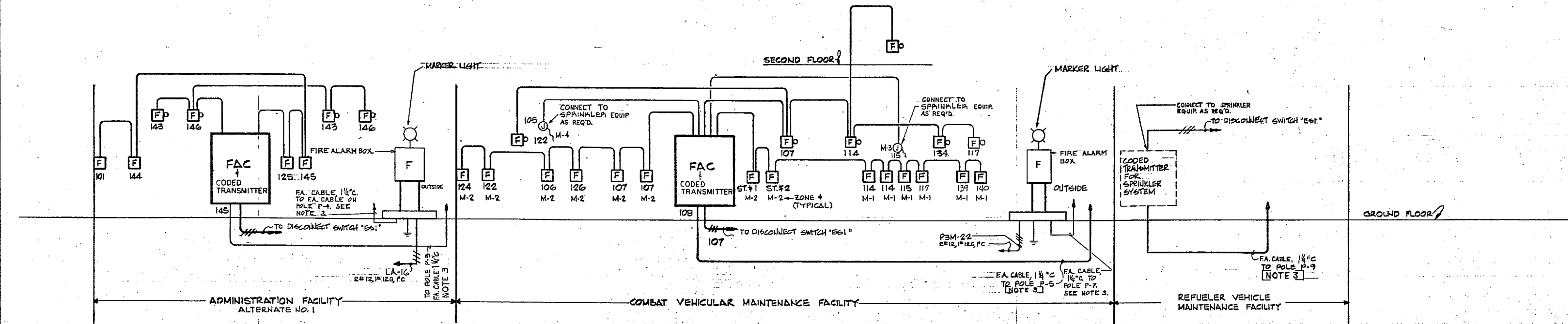
SATISFACTORY TO  
*[Signature]*  
DATE 12/13/77



J. H. PEASE ASSOCIATES ARCHITECTS - ENGINEERS - PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK VIRGINIA	
DES. DT PROJ. MGR. DESIGNED BY CHECKED BY DATE	DES. ENGR. DATE DATE DATE	DESIGN NO. 4039387	NAVY DRAWING NO. 4039387
CONSTR. CONTR. NO. N62470-77-B-T100		SCALE	SHEET 52 OF 56
E-6		REFUELER VEH. MAINT. BLDG. FLOOR PLAN LIGHTING & POWER	

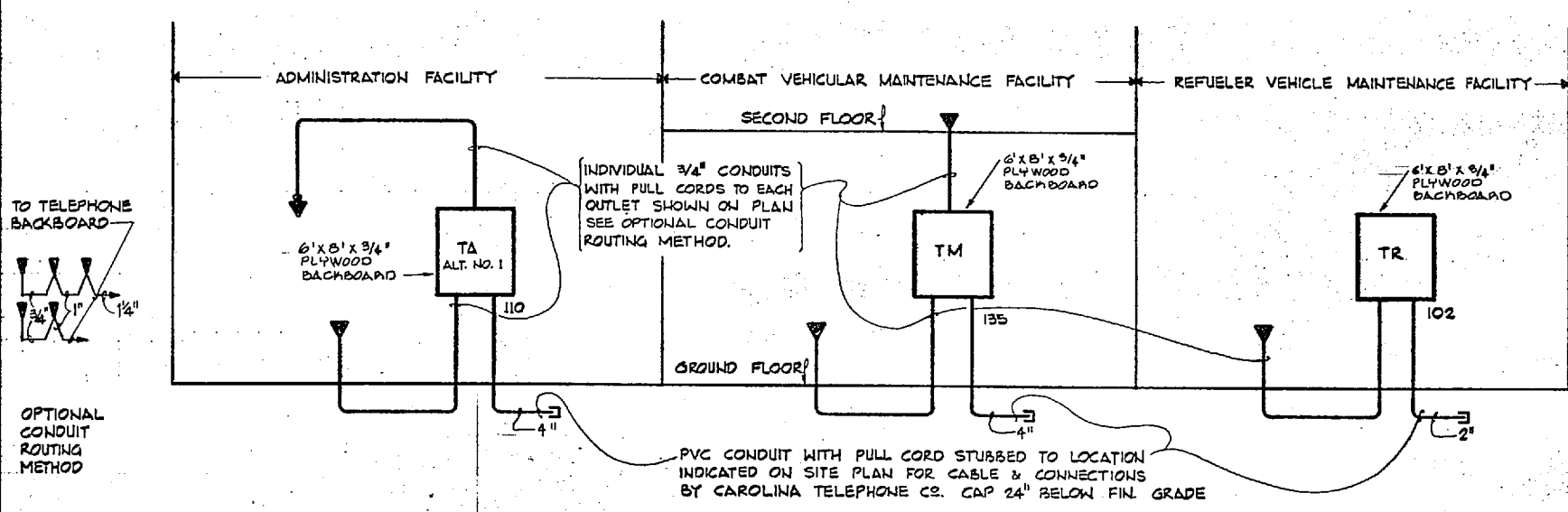


REVISIONS				
NO.	DESCRIPTION	MADE BY	DATE	APPROVED

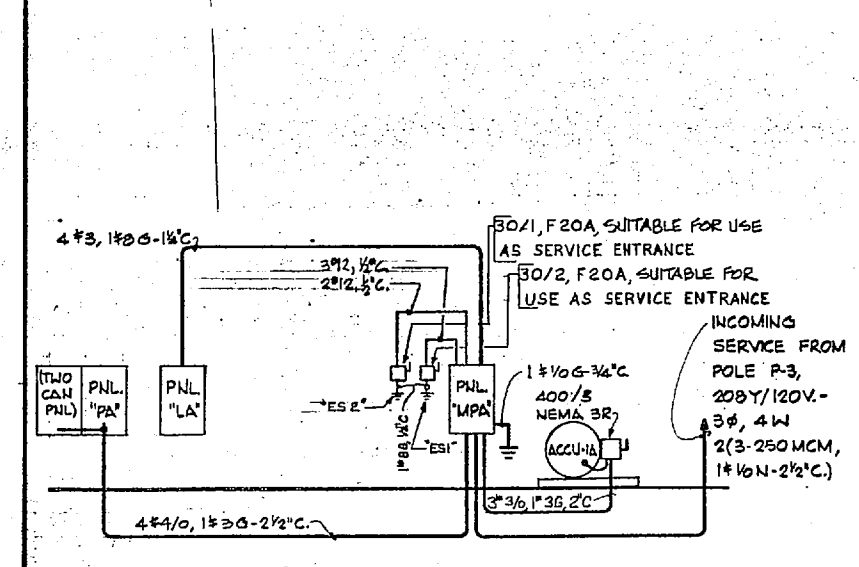


**FIRE ALARM SYSTEM RISER DIAGRAM**  
NO SCALE

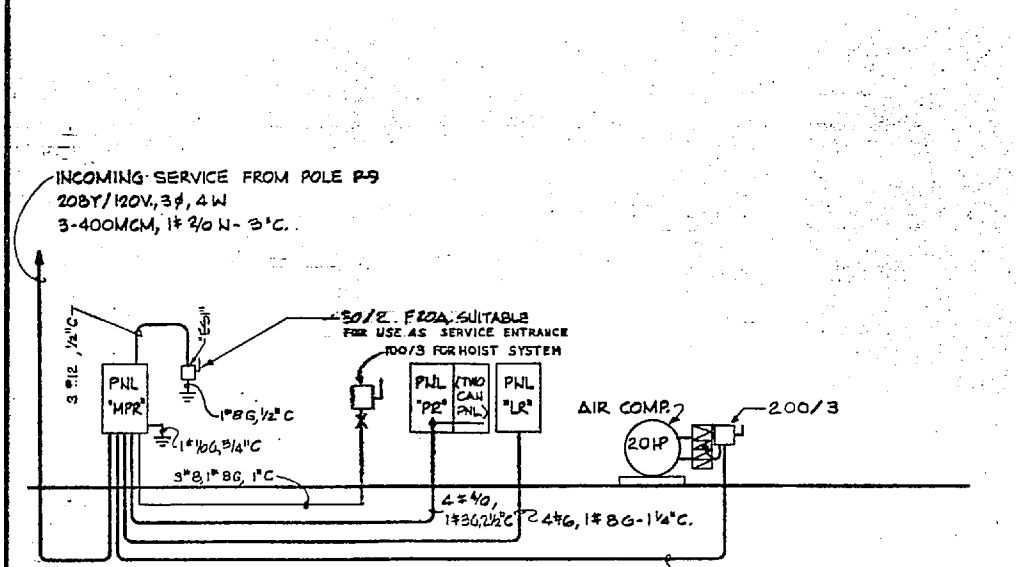
- NOTES:**
1. PROVIDE WIRING AS RECOMMENDED BY F.A. SYSTEM MANUFACTURER
  2. ALL CONDUIT 1/2" UNLESS OTHERWISE NOTED
  3. REFERENCE GENERAL NOTE 4 ON SHEET E-1. CABLE SHALL BE THE SAME EXCEPT INSTALLED IN CONDUIT & NOT MESSENGER SUPPORTED.
  4. PROVIDE TWO NORMALLY-CLOSED CONTACTS IN EACH FAC TO OPEN UPON ALARM INITIATION FOR MECHANICAL CONTROLS DESIGNATE THESE CONTACTS "A" & COORDINATE WITH MECH. CONTR. FOR CONNECTIONS BY MECH. CONTRACTOR.



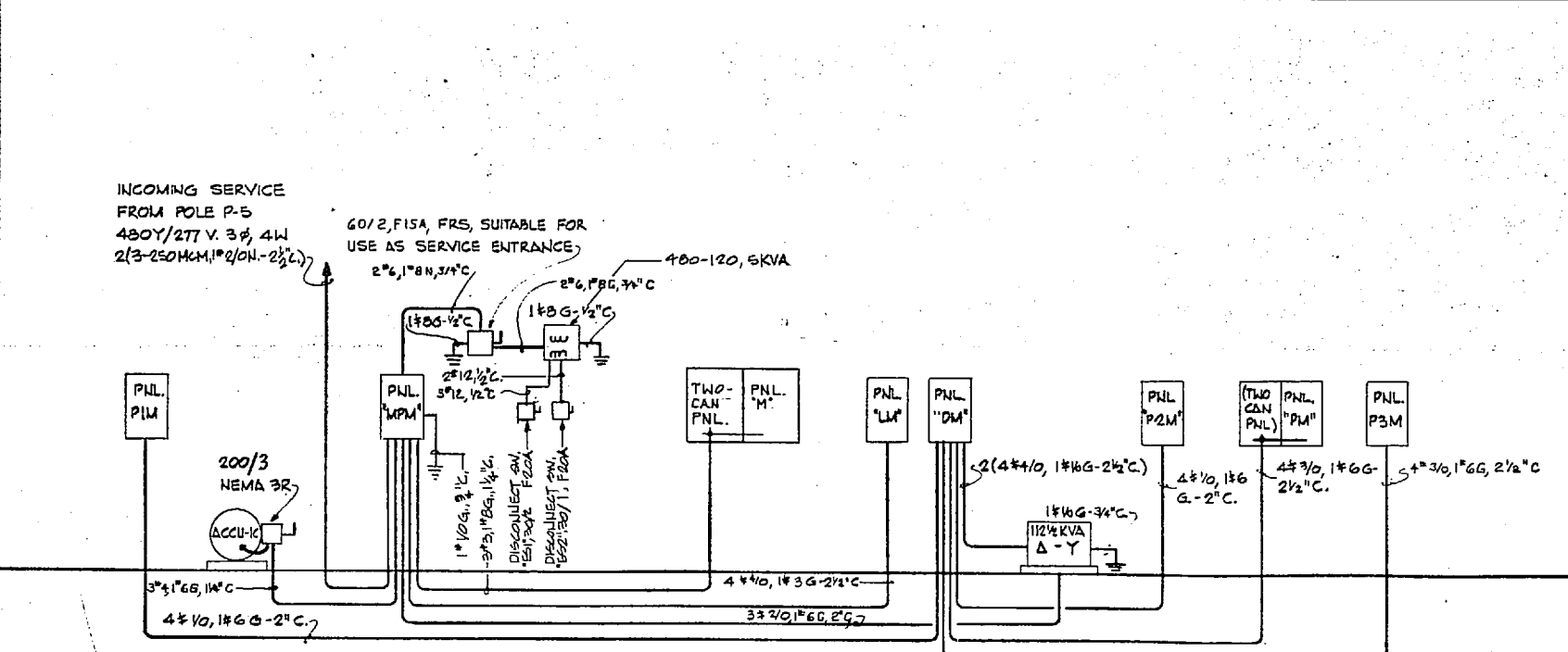
**TELEPHONE RACEWAY SYSTEM RISER DIAGRAM**  
NO SCALE



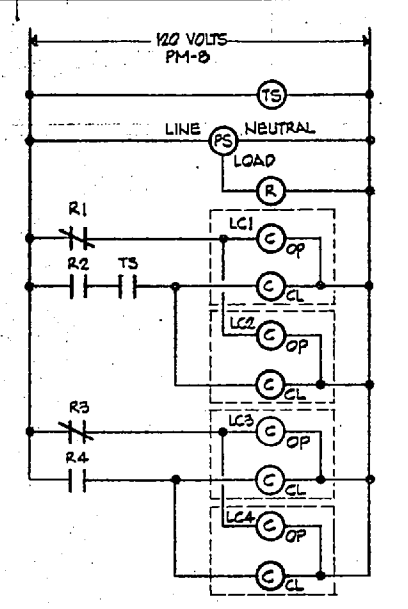
**POWER RISER DIAGRAM ADMINISTRATION FACILITY-ALT. NO. 1**  
NO SCALE  
NOTE: CONNECT SERVICE ENTRANCE DISCONNECT SWITCH AHEAD OF MAINS.



**POWER RISER DIAGRAM REFUELER VEHICLE MAINTENANCE FACILITY**  
NO SCALE  
NOTE: CONNECT SERVICE ENTRANCE DISCONNECT SWITCH AHEAD OF MAINS.



**POWER RISER DIAGRAM COMBAT VEHICULAR MAINTENANCE FACILITY**  
NO SCALE  
NOTE: CONNECT SERVICE ENTRANCE DISCONNECT SWITCH AHEAD OF MAINS.

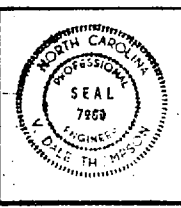


**LIGHTING CONTROL DIAG**  
NO SCALE

- NOTES:**
1. R = CONTROL RELAY WITH TWO NORMALLY OPEN & TWO NORMALLY CLOSED SETS OF CONTACTS.
  2. LC = LIGHTING CONTACTOR. SEE LIGHTING CONTROL SCHEDULE FOR CIRCUITS CONTROLLED.
  3. PS = PHOTOCELL SWITCH. LOCATE ON ROOF OF CVMF IN AN ACCESSIBLE LOCATION, FACING NORTH.
  4. TS = TIME SWITCH. SET CONTACTS TO CLOSE @ 4:00 P.M. AND OPEN @ 11:00 P.M.
  5. MOUNT R, LC'S & TS ON SUITABLE SIZE BACKBOARD IN ROOM 135 OF CVMF.

LIGHTING CONTROL SCHEDULE		
CONTACTOR (ALL 4 POLE)	CONTACTS	LIGHTING CIRCUIT
LC1	LC1-A, B LC1-C, D	LM-1b LM-3b
LC2	LC2-A, B LC2-C, D	LM-5b SPARE
LC3	LC3-A, B LC3-C, D	LM-1a LM-3a
LC4	LC4-A, B LC4-C, D	LM-5b SPARE

SATISFACTORY TO  
*Orack*  
DATE 1/1/77



<b>J. M. PEASE ASSOCIATES</b> ARCHITECTS-ENGINEERS-PLANNERS CHARLOTTE NORTH CAROLINA		DEPARTMENT OF THE NAVY <b>ATLANTIC DIVISION</b> NAVAL STATION NORFOLK VIRGINIA	
		NAVAL FACILITIES ENGINEERING COMMAND SECOND MARINE AIR WING OPERATIONAL AND MAINTENANCE FACILITY Marine Corps Air Station (Helicopter) New River, Camp Lejeune, North Carolina	
DR. DT. <i>J. M. Pease</i> PROJECT ENGINEER DATE 1/1/77		TITLE <b>RISER DIAGRAMS</b>	
APPROVED <i>[Signature]</i> DATE 1/1/77		SIZE <b>F</b>	
NAVAC DRAWING NO. <b>403938B</b>		CONSTR. CONTR. NO. <b>NG2470-TT-P</b>	
SCALE <b>1" = 10'</b>		SHEET NO. <b>5B</b>	

**E-7**

EPO DWG. 1  
131386

