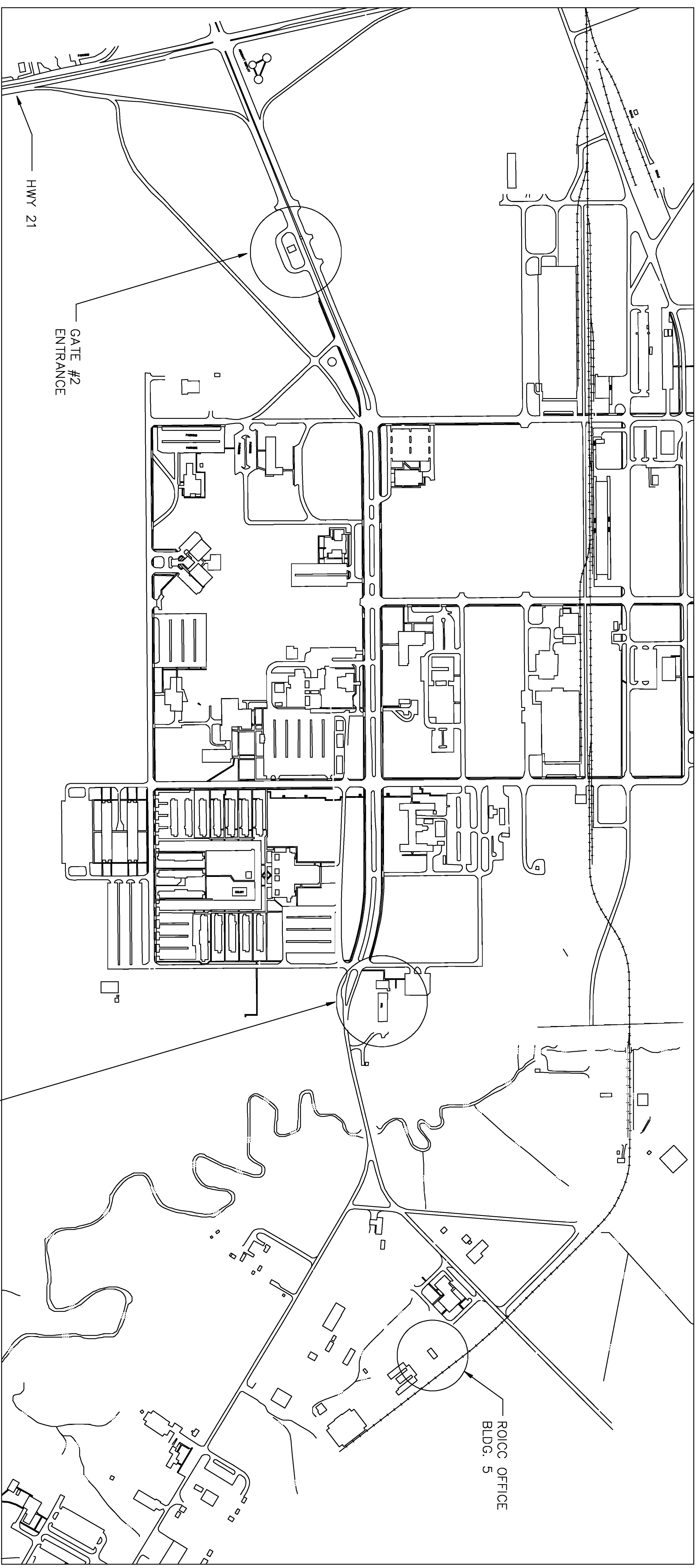
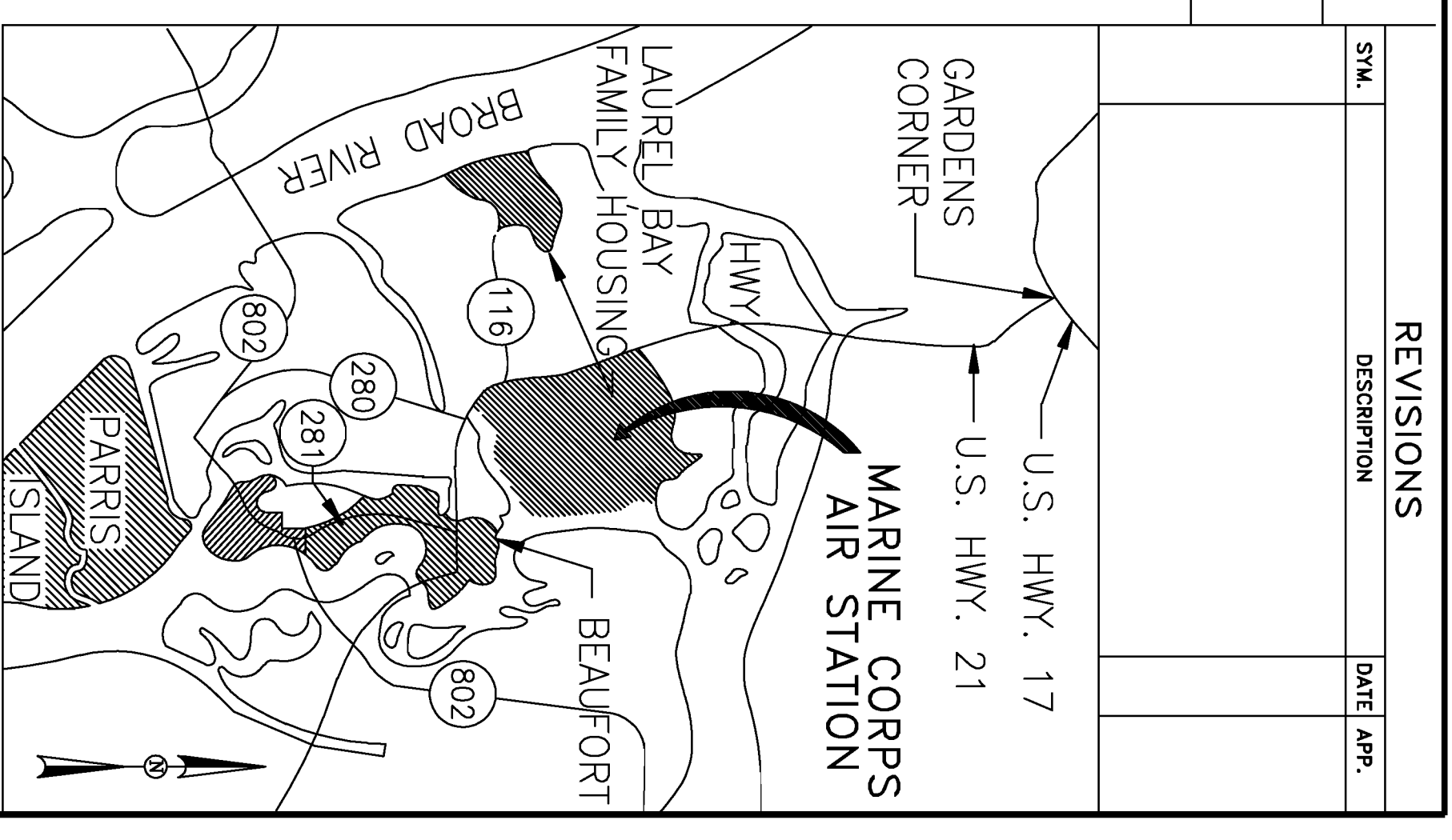


# REPAIRS TO COMBAT POOL

## MARINE CORPS AIR STATION BEAUFORT, SOUTH CAROLINA

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SITE LOCATION MAP - MCAS  
SCALE: NONE

### REVISIONS

SYMBOL	DESCRIPTION	DATE	APP.

LETTER INDICATES SECTION WHERE DRAWING NUMBER OR DETAIL IS TAKEN

NUMBER INDICATES DRAWING NUMBER WHERE ELEVATION SECTION OR DETAIL IS DRAWN

ADDITIONAL DRAWING REFERENCES

ELEVATION, SECTION OR DETAIL SYMBOL

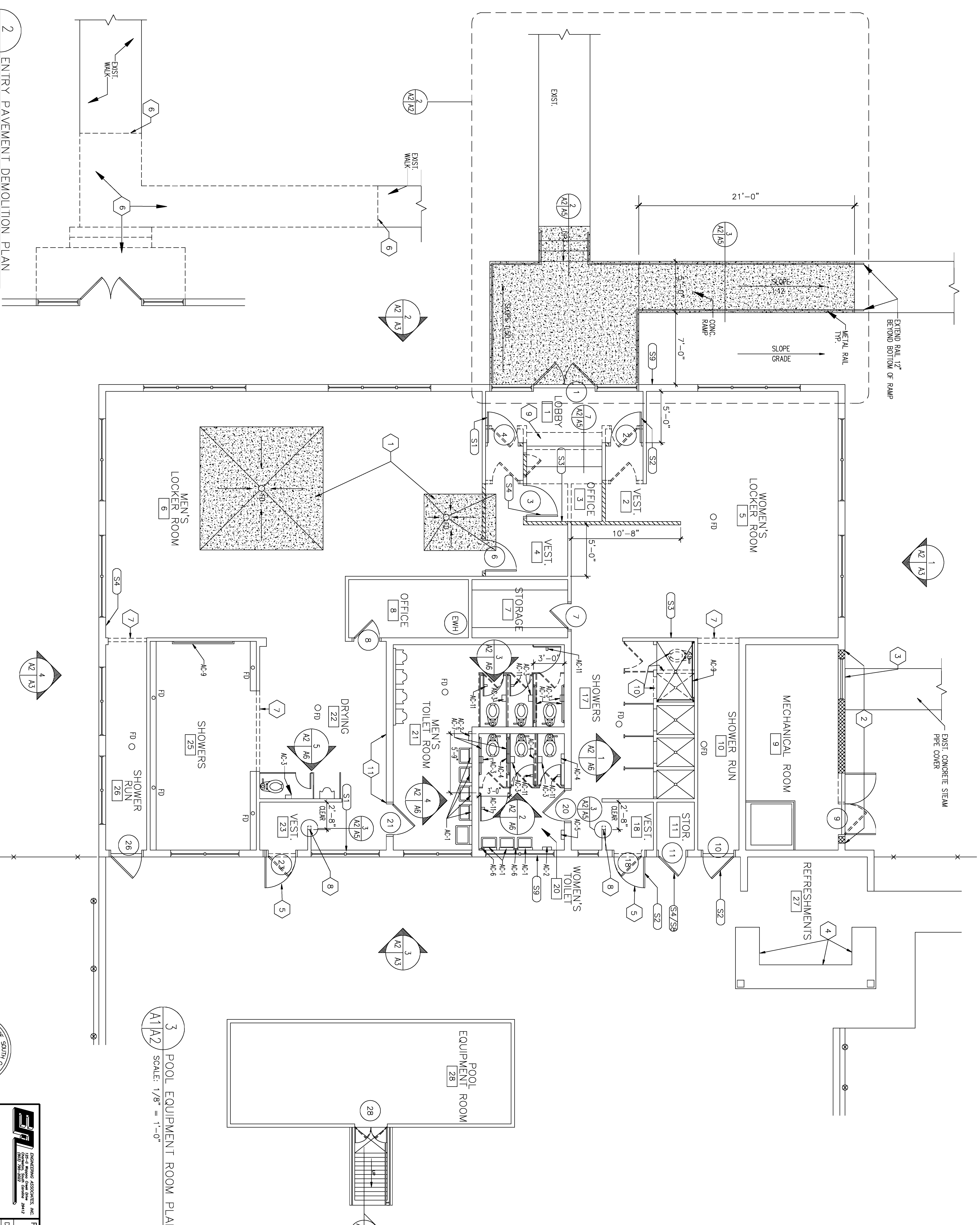
T1



	<b>ENGINEERING ASSOCIATES, INC.</b> 1000 W. 10th St., Suite 200 Beaufort, SC 29516 Phone: 252/733-1111 Fax: 252/733-1112	<b>PW DWG NO.</b> <b>10977</b>	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS AIR STATION, BEAUFORT, S.C.</b>
	<b>ARCH. &amp; ENGR. FIRM</b> SAFETY DEPARTMENT SATISFACTORY TO DATE	DES. FRIPP DR. AVELISSARIOS CHK. BUNDY SUPV. T. VELISSARIOS SATISFACTORY TO DATE	SIZE: <b>F</b> CODE IDENT. NO.: <b>80091</b> NAVFAC DRAWING NO.: <b>5291752</b> CONSTR. CONTR. NO.: <b>NA62467-96-C-6555</b>
<b>FIRE DEPARTMENT</b> SATISFACTORY TO DATE	APPROVED: _____ OFFICER IN CHARGE	SCALE: AS SHOWN	SHEET 1 OF 18



SYMBOL	REVISIONS	DESCRIPTION	DATE	APP.



2 ENTRY PAVEMENT DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"

1 BATH HOUSE FLOOR PLAN  
SCALE: 1/4" = 1'-0"

3 POOL EQUIPMENT ROOM PLAN  
SCALE: 1/8" = 1'-0"

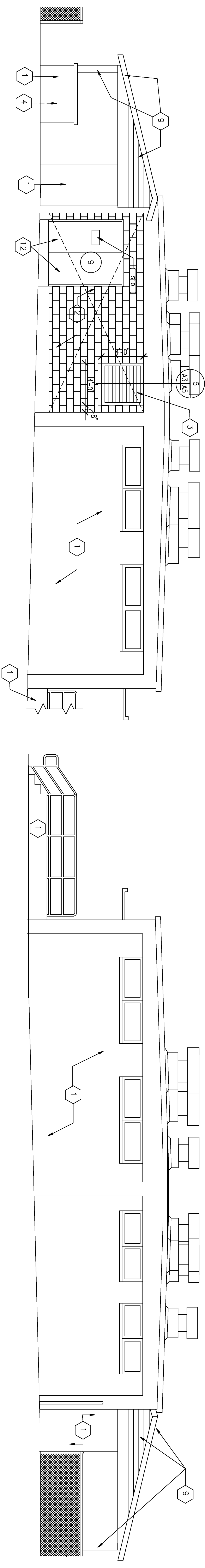
- KEYNOTES (THIS SHEET ONLY)
1. SAW CUT EXISTING FLOOR SLAB AND REMOVE EXISTING CONCRETE THIS AREA. ADJUST LOCATION OF FLOOR DRAIN - SEE PLUMBING PLAN. INSTALL NEW 4" CONCRETE SLAB ON VAPOR BARRIER - SLOPE TO DRAIN.
  2. REMOVE EXISTING 8" CMU WALL TO ACCOMMODATE PLUMBING AND MECHANICAL WORK. INSTALL NEW 4" CMU @ 2" O.C. WITH TIE CELLS W/ GROUT. REMOVE EXISTING 18" O.C. VEST - TIE CELLS W/ GROUT.
  3. REMOVE EXISTING LOWER FORM WALL DEMOLITION. INSTALL NEW LOWER IN SAME LOCATION IN NEW CMU WALL. SEE DETAIL (A2/A6).
  4. PAINT ALL WOOD SURFACE OF CABINETS IN SNACK BAR AREA.
  5. REMOVE EXISTING HOLLOW METAL DOOR AND FRAME AND ALUMINUM WINDOW TRANSOM. Widen existing masonry opening to accommodate new door frame and transom. SEE DOOR SCHEDULE SHEET A4.
  6. SAW CUT AND REMOVE EXISTING CONCRETE WALK, STAIRS AND ENTRY PLATFORM WHERE INDICATED.
  7. REMOVE EXISTING CERAMIC TILE CURB - SEE DETAIL (A2/A9).
  8. REMOVE PORTION OF EXISTING 6 INCH THICK CONCRETE BLOCK PARTITION. SEE DETAIL (A2/A5).
  9. REMOVE EXISTING COUNTER COMPLETE. INSTALL NEW COUNTER. SEE DETAIL (A2/A9).
  10. REMOVE EXISTING TOILET, SHOWER PARTITION AND CURB TO CREATE ONE LARGER SHOWER AREA.
  11. REMOVE 4' x 6' PLYWOOD MOUNTING BOARD FROM CMU WALL. SEE ELECTRICAL FOR DEMOLITION OF ELECTRICAL EQUIPMENT. PATCH CMU WALL AND PREPARE FOR NEW PAINT FINISH.
- GENERAL NOTES
1. REMOVE ALL SIGNAGE FROM BUILDING. REPLACE WITH NEW SIGNS AS SCHEDULED ON SHEET A4.
  2. REMOVE ALL TOILET ACCESSORIES AND REPLACE WITH NEW TOILET ACCESSORIES AS INDICATED ON SHEET A6.
  3. REMOVE ALL TOILET PARTITIONS AND REPLACE WITH NEW TOILET PARTITIONS AS SPECIFIED IN SPEC. SECTION 10153 ON WALLS AND FLOORS TO FACE OF BLOCK. PREPARE WALLS FOR NEW CERAMIC TILE FINISHES ON SHEET A4.
  4. PATCH HOLES IN EXISTING WALLS LEFT AFTER SIGNAGE, ACCESSORIES, AND TOILET PARTITIONS HAVE BEEN REMOVED.
  5. PATCH HOLES IN EXISTING WALLS LEFT AFTER SIGNAGE, ACCESSORIES, AND TOILET PARTITIONS HAVE BEEN REMOVED.
  6. SEE SHEET A4 FOR ABBREVIATIONS.

LEGEND	
	EXISTING CMU WALLS TO REMAIN
	EXISTING CMU WALLS TO BE REMOVED
	NEW 4" CMU WALLS
	NEW 8" CMU WALLS
	NEW DOOR AND FRAME (SEE DOOR SCHEDULE, SHEET A4)
	EXISTING DOOR AND FRAME (SEE DOOR SCHEDULE, SHEET A4)
	EXISTING DOOR AND FRAME TO BE REMOVED
	SIGNAGE-SEE SHEET A4
	TOILET ACCESSORY-SEE SHEET A6

<b>ENGINEERING FIRM</b> ENGINEERING ASSOCIATES, INC. 10979 10979		<b>DESIGNER</b> DES. CLARK	
ARCH. & ENGINEER FIRM SAFETY DEPARTMENT SUBMITTER TO STATE		<b>CHECKER</b> CHK. CLARK	
FIRE DEPARTMENT SUBMITTER TO STATE		<b>DATE</b> DATE	
<b>PROJECT</b> MARINE CORPS AIR STATION, BEAUFORT, S.C. REPAIRS TO COMBAT POOL BATHHOUSE FLOOR PLAN		<b>DATE</b> DATE	
<b>SCALE</b> AS SHOWN		<b>DATE</b> DATE	
<b>CONTRACT NO.</b> N62467-96-C-6555		<b>DATE</b> DATE	
<b>PROJECT NO.</b> 5291754		<b>DATE</b> DATE	
<b>SCALE</b> AS SHOWN		<b>DATE</b> DATE	
<b>CONTRACT NO.</b> N62467-96-C-6555		<b>DATE</b> DATE	
<b>PROJECT NO.</b> 5291754		<b>DATE</b> DATE	
<b>SCALE</b> AS SHOWN		<b>DATE</b> DATE	

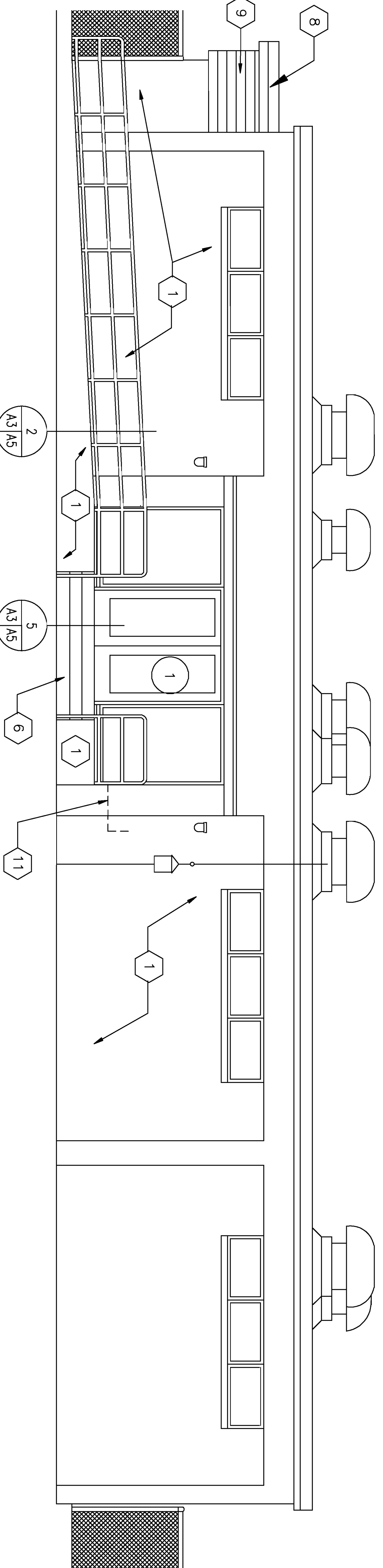
A2

REVISIONS	
SYM.	DESCRIPTION
DATE	APP.

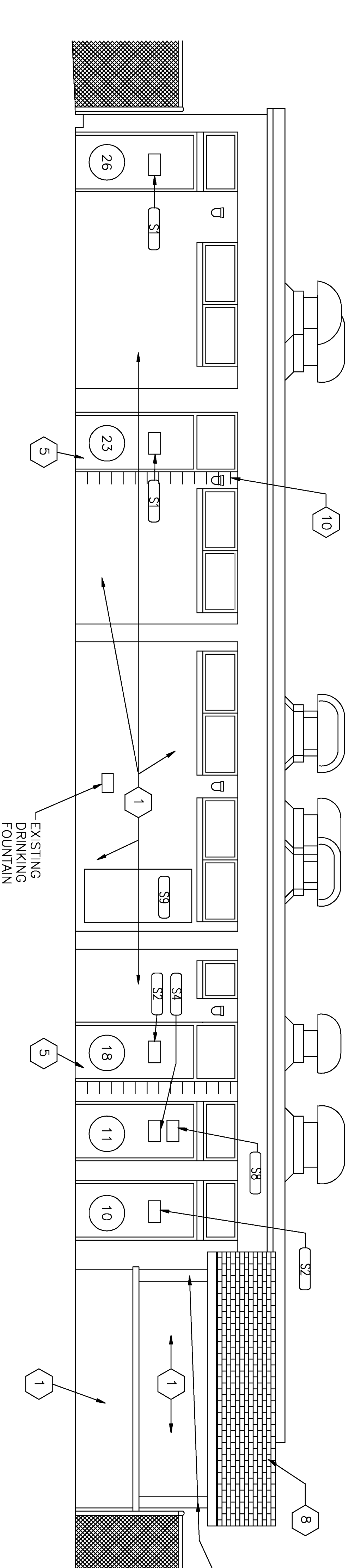


1 NORTH ELEVATION  
SCALE: 1/4" = 1'-0"

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



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



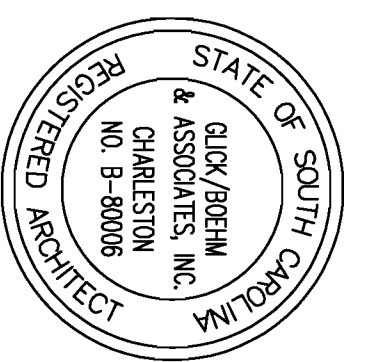
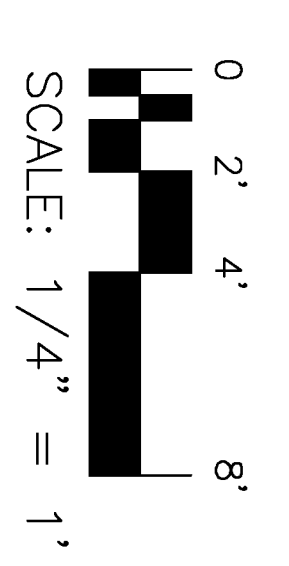
3 EAST ELEVATION  
SCALE: 1/4" = 1'-0"

KEYNOTES (#) (THIS SHEET ONLY)

1. PREPARE ALL SURFACES OF EXISTING OR NEW MASONRY WALLS FOR NEW FINISH. FILL CRACKS AND APPLY ELASTOMERIC COATING.
2. REMOVE EXISTING 8" CMU WALL TO ACCOMMODATE PLUMBING AND MECHANICAL WORK. INSTALL NEW 8" CMU W/ VERTICAL #4 BARS @ 32" O.C. AND LADDER REINFORCING 16" O.C. VERTICAL CELLS W/ GROUT. FILL CELLS W/ GROUT.
3. REMOVE EXISTING LOUVER FOR WALL DEMOLITION. INSTALL NEW LOUVER IN SAME LOCATION IN NEW CMU WALL.
4. PAINT ALL WOOD SURFACES OF CABINETS IN SNACK BAR AREA.
5. REMOVE EXISTING HOLLOW METAL DOOR AND ALUMINUM WINDOW TRANSOM. WIDEN EXISTING MASONRY OPENING TO ACCOMMODATE NEW DOOR AND TRANSOM. SEE DOOR SCHEDULE, SHEET A4.
6. NEW STAIRS, ENTRANCE PATIO AND RAMP. SEE FLOOR PLAN ON SHEET A2.
7. METAL RAIL - PAINT FINISH.
8. REMOVE EXISTING SHINGLE ROOF. REROOF WITH NEW ASPHALT SHINGLES AND ALUMINUM DRIP EDGE.
9. PREPARE WOOD SURFACES AND PAINT GABLES, EAVES AND FASCIAS.
10. RELOCATE LIGHT FIXTURE.
11. REMOVE ELECTRICAL CONDUIT AND WIRING.
12. REMOVE EXISTING HOLLOW METAL DOOR AND FRAME. INSTALL NEW DOOR AND FRAME IN NEW MASONRY WALL.

GENERAL NOTES

1. REMOVE ALL SIGNAGE FROM BUILDING.
2. REPLACE WITH NEW SIGNS AS SCHEDULED ON SHEET A4.
3. REMOVE ALL TOILET ACCESSORIES AND REPLACE WITH NEW TOILET ACCESSORIES AS INDICATED ON SHEET A6.
4. REMOVE ALL TOILET PARTITIONS AND REPAIR. PATCH WITH NEW TOILET PARTITIONS AS SCHEDULED IN SPEC. SECTION 10353 ON WALLS AND FLOORS TO FACE OF BLOCK. PREPARE WALLS FOR NEW CERAMIC TILE FINISHES ON SHEET A4.
5. PATCH HOLES IN EXISTING WALLS LEFT AFTER SIGNAGE, ACCESSORIES, AND TOILET PARTITIONS HAVE BEEN REMOVED.
6. SEE SHEET A4 FOR ABBREVIATIONS.



		<b>PW DWG NO.</b> 10980	
ARCH. & ENGR. FIRM SAFETY DEPARTMENT SUBMITTER TO DATE		DES. CLARK DR. KOVACH	
FIRE DEPARTMENT SUBMITTER TO DATE		CHK. CLARK SUPERVISOR'S DATE	
APPROVED DATE GRISER, N. CHASE		SIZE CODE IDENT. NO. DRAWING NO. F 80091 3291755	
SCALE AS SHOWN SPEC. 06-98-6555 SHEET 4 OF 18		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS AIR STATION, BEAUFORT, S.C. <b>BATHHOUSE ELEVATIONS</b>	

A3

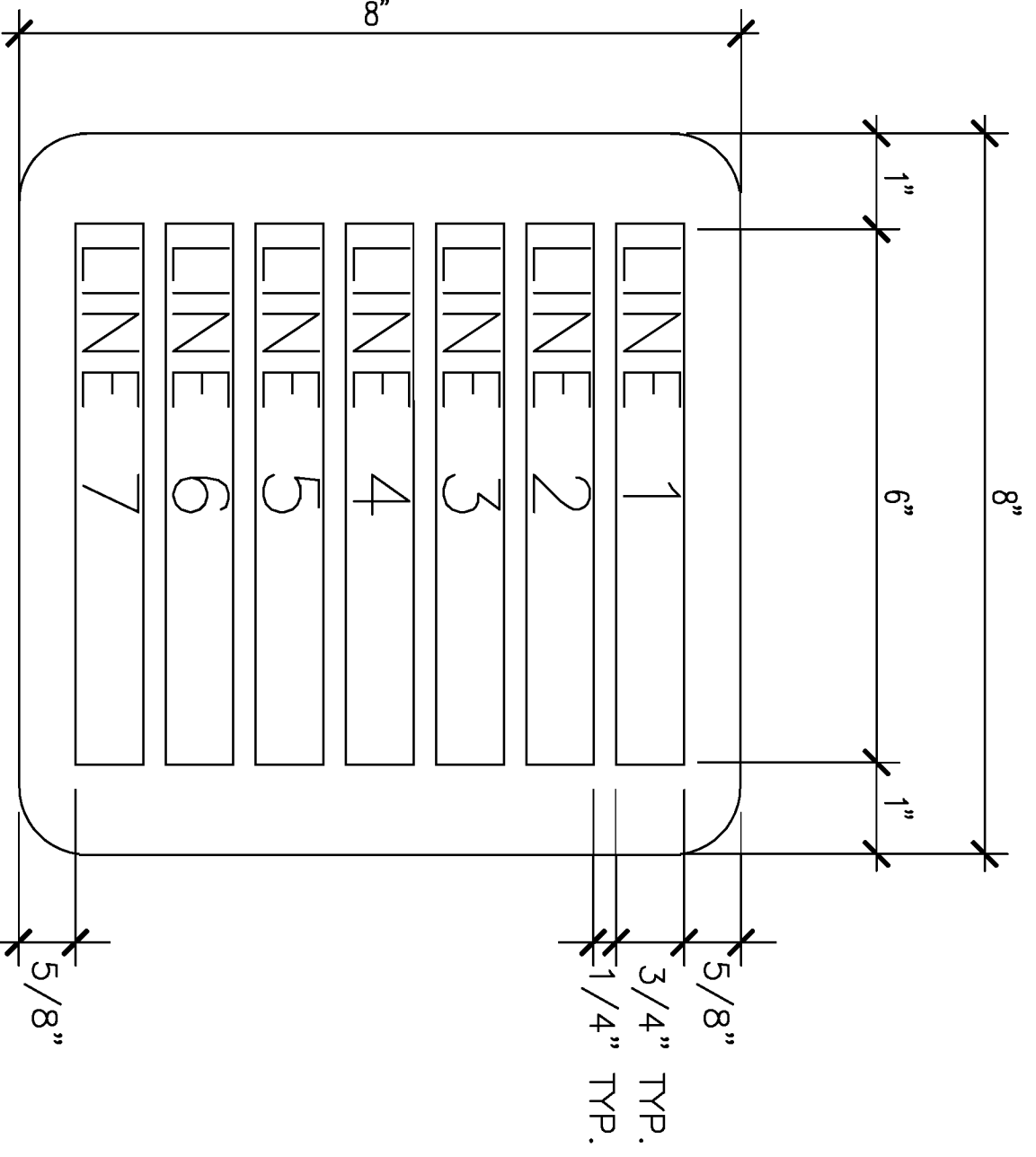
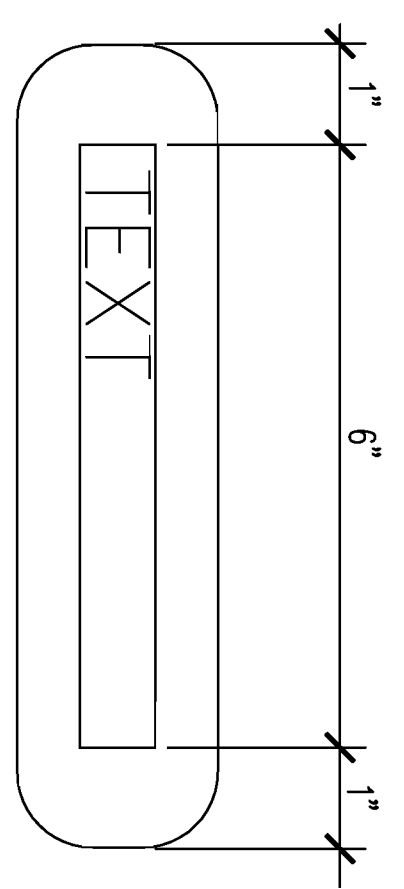
DEMOLITION FINISH SCHEDULE

NO	ROOM NAME	FLOOR	BASE	WALLS	WAINSCOT		CEILING		REMARKS
					FIN	HT	FIN	HT	
1	LOBBY	F1	---	W1	---	---	C1	10'-8"	
2	VESTIBULE	F1	---	W1	---	---	C1	10'-8"	
3	OFFICE	F1	---	W1	---	---	C1	10'-8"	
4	VESTIBULE	F1	---	W1	---	---	C1	10'-8"	
5	WOMEN'S LOCKER RM.	F1	---	W1	---	---	C1	10'-8"	
6	MEN'S LOCKER ROOM	F1	---	W1	---	---	C1	10'-8"	
7	STORAGE	F1	---	W1	---	---	C1	10'-8"	
8	MECHANICAL ROOM	F1	---	W1	---	---	C1	10'-8"	
9	MECHANICAL ROOM	F2	---	W1	---	---	C1	10'-8"	
10	SHOWER RUN	F2	---	W1	---	---	C1	10'-8"	
11	STORAGE	F2	---	W1	---	---	C1	10'-8"	
17	SHOWERS	F2	B1	W1	---	---	C1	10'-8"	*SEE NOTE 1
18	VESTIBULE	F2	B1	W1	---	---	C1	10'-8"	
20	WOMEN'S TOILET	F2	B1	W1	---	---	C1	10'-8"	
21	MEN'S TOILET ROOM	F2	B1	W1	---	---	C1	10'-8"	
22	DRYING	F2	B1	W1	---	---	C1	10'-8"	
23	VESTIBULE	F2	B1	W1	---	---	C1	10'-8"	
25	SHOWERS	F2	B1	W1	---	---	C1	10'-8"	
26	SHOWER RUN	F2	B1	W1	---	---	C1	10'-8"	
27	REFRESHMENTS	---	---	---	---	---	---	---	
28	POOL EQUIP ROOM	---	---	---	---	---	---	---	

RENOVATION FINISH SCHEDULE

NO	ROOM NAME	FLOOR	BASE	WALLS		WAINSCOT		CEILING		REMARKS	
				MAT'L	FINISH	HT	MAT'L	FINISH	HT		
1	LOBBY	FA	FA	CMU	PT	---	---	CONC	PT	10'-8"	SEE NOTE 3
2	VESTIBULE	FA	FA	CMU	PT	---	---	CONC	PT	10'-8"	SEE NOTE 3
3	OFFICE	FA	FA	CMU	PT	---	---	CONC	PT	10'-8"	SEE NOTE 3
4	VESTIBULE	FA	FA	CMU	PT	---	---	CONC	PT	10'-8"	SEE NOTE 3
5	WOMEN'S LOCKER RM.	FA	FA	CMU	PT	---	---	CONC	PT	10'-8"	SEE NOTE 3
6	MEN'S LOCKER ROOM	FA	FA	CMU	PT	---	---	CONC	PT	10'-8"	SEE NOTE 3
7	STORAGE	FA	FA	CMU	PT	---	---	CONC	PT	10'-8"	SEE NOTE 3
8	MECHANICAL ROOM	---	---	---	---	---	---	---	---	---	SEE NOTE 3
10	SHOWER RUN	CT	CT	CMU	PT	---	---	CONC	PT	10'-8"	
11	STORAGE	---	---	---	---	---	---	---	---	---	
17	SHOWERS	CT	CT	CMU	PT	---	---	CONC	PT	10'-8"	*SEE NOTE 1
18	VESTIBULE	CT	CT	CMU	PT	---	---	CONC	PT	10'-8"	*SEE NOTE 1
20	WOMEN'S TOILET	CT	CT	CMU	PT	---	---	CONC	PT	10'-8"	SEE NOTE 4
21	MEN'S TOILET ROOM	CT	CT	CMU	PT	---	---	CONC	PT	10'-8"	
22	DRYING	CT	CT	CMU	PT	---	---	CONC	PT	10'-8"	
23	VESTIBULE	CT	CT	CMU	PT	---	---	CONC	PT	10'-8"	
25	SHOWERS	CT	CT	CMU	PT	---	---	CONC	PT	10'-8"	
26	SHOWER RUN	CT	CT	CMU	PT	---	---	CONC	PT	10'-8"	
27	REFRESHMENTS	---	---	---	---	---	---	---	---	---	*SEE NOTE 2

NOTES:  
 \*1. 6'-8" HIGH WAINSCOT IN SHOWER AREA 4'-0" ON SOUTH WALL.  
 \*\*1. PAINT CABINETS BELOW COUNTER.  
 3. SEE DETAIL 7/44/A6 FOR COVE BASE.  
 4. WAINSCOT AT EAST WALL TO BE 6'-8" A.F.F.

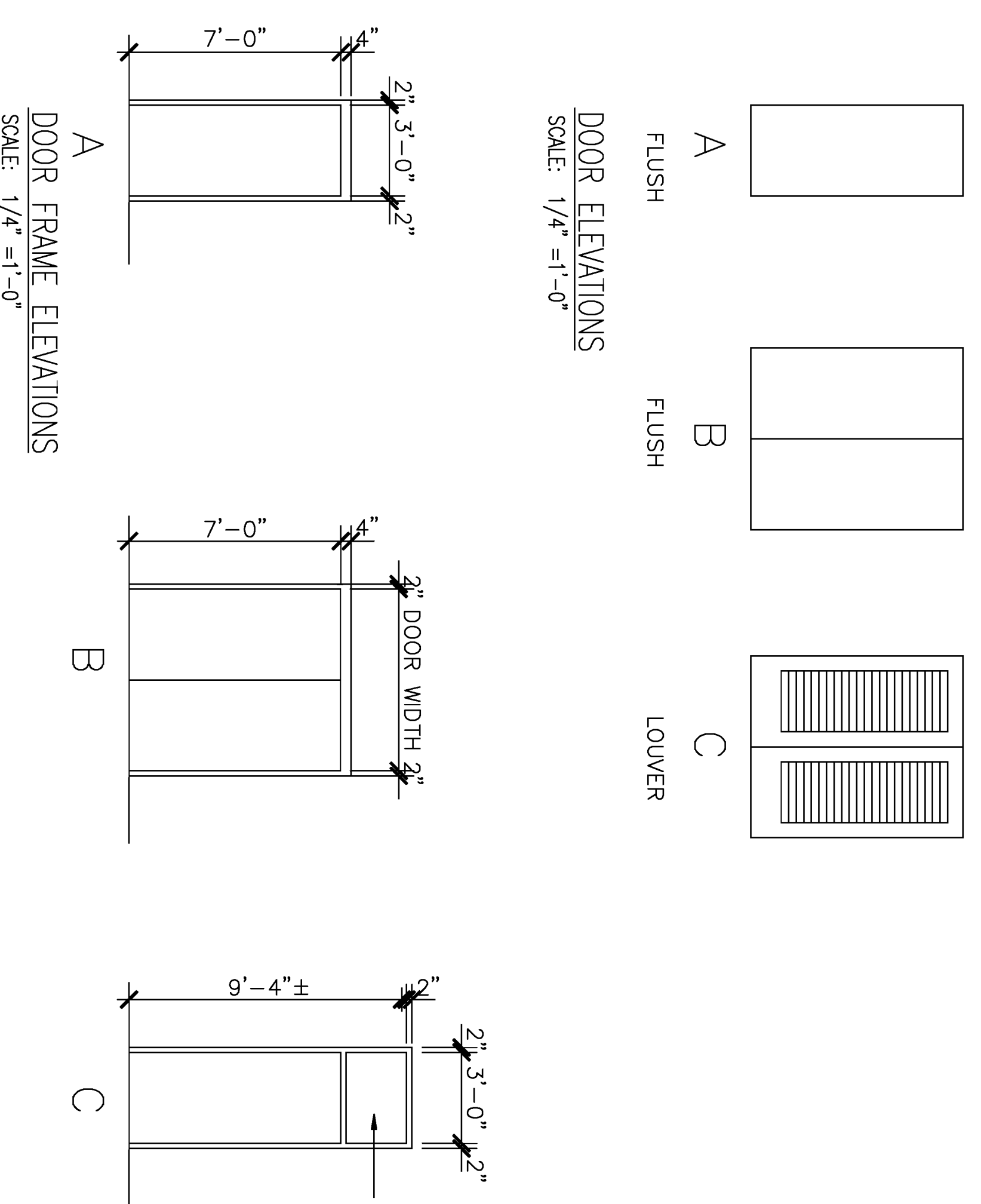


SIGN ELEVATIONS

N.T.S.

DEMOLITION NOTES: (SEE DEMOLITION FINISH SCHEDULE)

- F1. REMOVE EXISTING NON-SLIP STRIPS FROM CONCRETE FLOORING AND PREPARE FLOOR FOR NEW FINISHES.
- F2. REMOVE EXISTING CERAMIC TILE FLOORING.
- B1. REMOVE EXISTING COVE BASE TILE. PREPARE WALL FOR NEW COVE BASE TILE.
- W1. PREPARE PAINTED CONCRETE BLOCK WALLS FOR NEW FINISHES.
- W2. REMOVE EXISTING CERAMIC TILE WAINSCOT.
- C1. PREPARE CONCRETE CEILING FOR NEW FINISH.



DOOR AND FRAME SCHEDULE

NO	SIZE	DOOR		TYPE	GLS	FRAME		HDWR	REMARKS
		MAT'L	FIN			MAT'L	FIN		
1	3'-0" x 7'-0" PR.	EXIST	---	---	---	---	---	1	
2	3'-0" x 7'-0" x 1 3/4"	HM	PT	A	---	HM	PT	1/44/AS	A
3	3'-0" x 7'-0" x 1 3/4"	HM	PT	A	---	HM	PT	1/44/AS	A
4	3'-0" x 7'-0" x 1 3/4"	HM	PT	A	---	HM	PT	1/44/AS	A
6	3'-0" x 7'-0" x 1 3/4"	HM	PT	A	---	HM	PT	1/44/AS	A
7	2'-6" x 7'-0"	EXIST	PT	---	---	EXIST	PT	---	---
8	2'-6" x 7'-0" DUTCH	EXIST	PT	---	---	EXIST	PT	---	---
9	3'-0" x 7'-0" x 1 3/4" PR	HM	PT	B	---	HM	PT	1/44/AS	B
10	3'-0" x 7'-0"	EXIST	PT	---	---	EXIST	PT	---	---
11	2'-8" x 7'-0"	EXIST	PT	---	---	EXIST	PT	---	---
18	3'-0" x 7'-0" x 1 3/4"	HM	PT	A	TEMP	HM	PT	1/44/AS	C
20	3'-0" x 7'-0"	EXIST	PT	---	---	EXIST	PT	---	---
21	3'-0" x 7'-0"	EXIST	PT	---	---	EXIST	PT	---	---
23	3'-0" x 7'-0" x 1 3/4"	HM	PT	A	TEMP	HM	PT	1/44/AS	C
26	3'-0" x 7'-0"	EXIST	PT	---	---	EXIST	PT	---	---
28	2'-6" x 7'-0" x 1 3/4" PR	HM	PT	C	---	HM	PT	1/44/AS	B

NOTE:  
 1. REMOVE EXISTING LOUVER AND REPLACE WITH NEW 8"x16" LOUVER.

SIGN SCHEDULE

SYMBOL NO	TYPE	TEXT
S1	A	MEN
S2	A	WOMEN
S3	B	SHOWER BEFORE ENTERING POOL
S4	A	LIFEGUARDS ONLY
S5	B	NO SMOKING, EATING OR DRINKING IN RESTROOMS OR POOL AREA
S6	B	NOT RESPONSIBLE FOR STOLEN OR LOST ITEMS
S7	A	FIRST AID
S8	C	(SEE DETAIL)
S9	D	
S10	A	MECHANICAL

ABBREVIATION CODES

CODE	DESCRIPTION
FA	FLUID APPLIED SLIP-RESISTANT FLOORING
CT	CERAMIC TILE
CMU	CONCRETE MASONRY UNIT
PT	PAINT
ST	STUCCO
EC	ELASTOMERIC COATING
EXIST	EXISTING
HM	HOLLOW METAL
TEMP	TEMPERED GLASS
DW	DOOR WIDTH
HDWR	HARDWARE FOR DOORS (REFER TO SPECIFICATION 08710, PH.3.5)
FD	FLOOR DRAIN
EWH	ELECTRIC HOT WATER HEATER
PWD	PLYWOOD

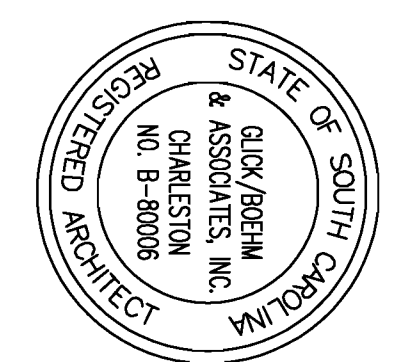
POOL REGULATIONS

1. SHOWER BEFORE ENTERING POOL.
2. NO CUT-OFFS IN POOL.
3. ONLY BATHING SUITS WILL BE WORN IN POOL.
4. SHOES NOT PERMITTED WHERE SWIMMERS WALK.
5. NO RUNNING, PUSHING OR HORSEPLAY.
6. ONE AT A TIME ON A DIVING BOARD. DIVE OFF END OF BOARD ONLY.
7. NO SPITTING OR GUM CHEWING IN POOL.
8. SMOKE IN GRASS AREAS ONLY.
9. KEEP DRINKS IN ROPED OFF AREA.
10. CHILDREN UNDER TEN MUST BE ACCOMPANIED BY AN ADULT.
11. PERSONS VIOLATING THE ABOVE RULES WILL BE RESTRICTED FROM THE POOL.

A4

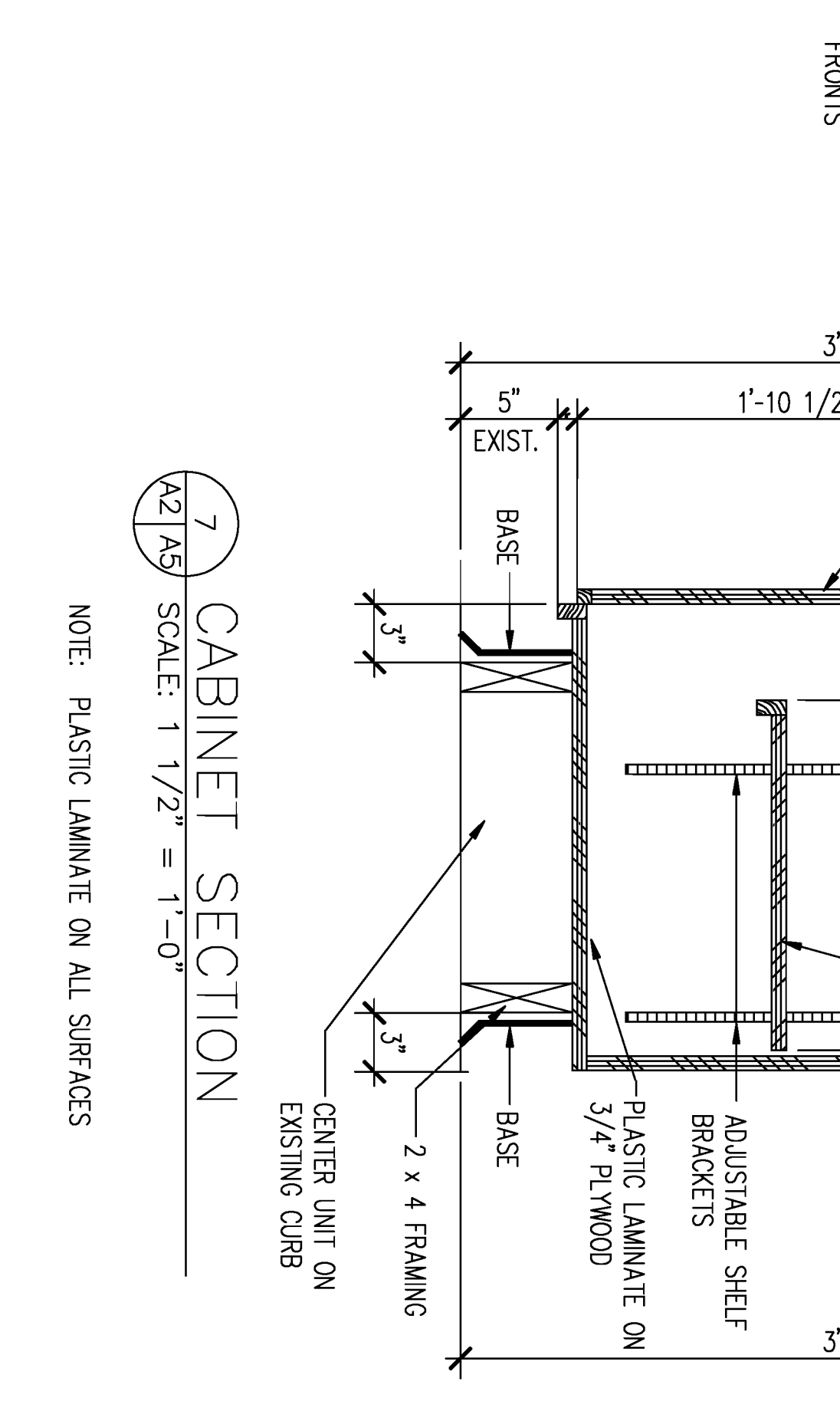
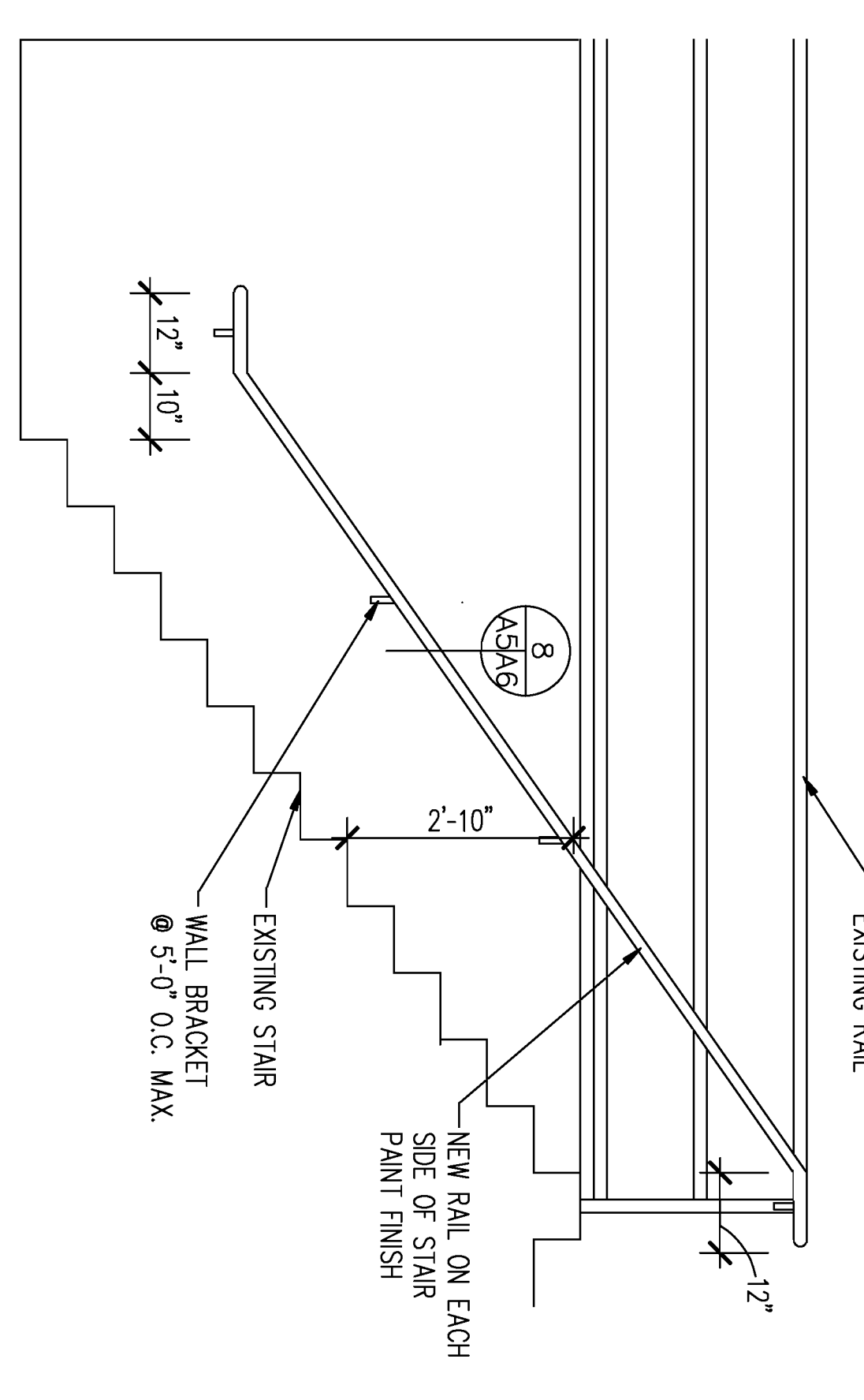
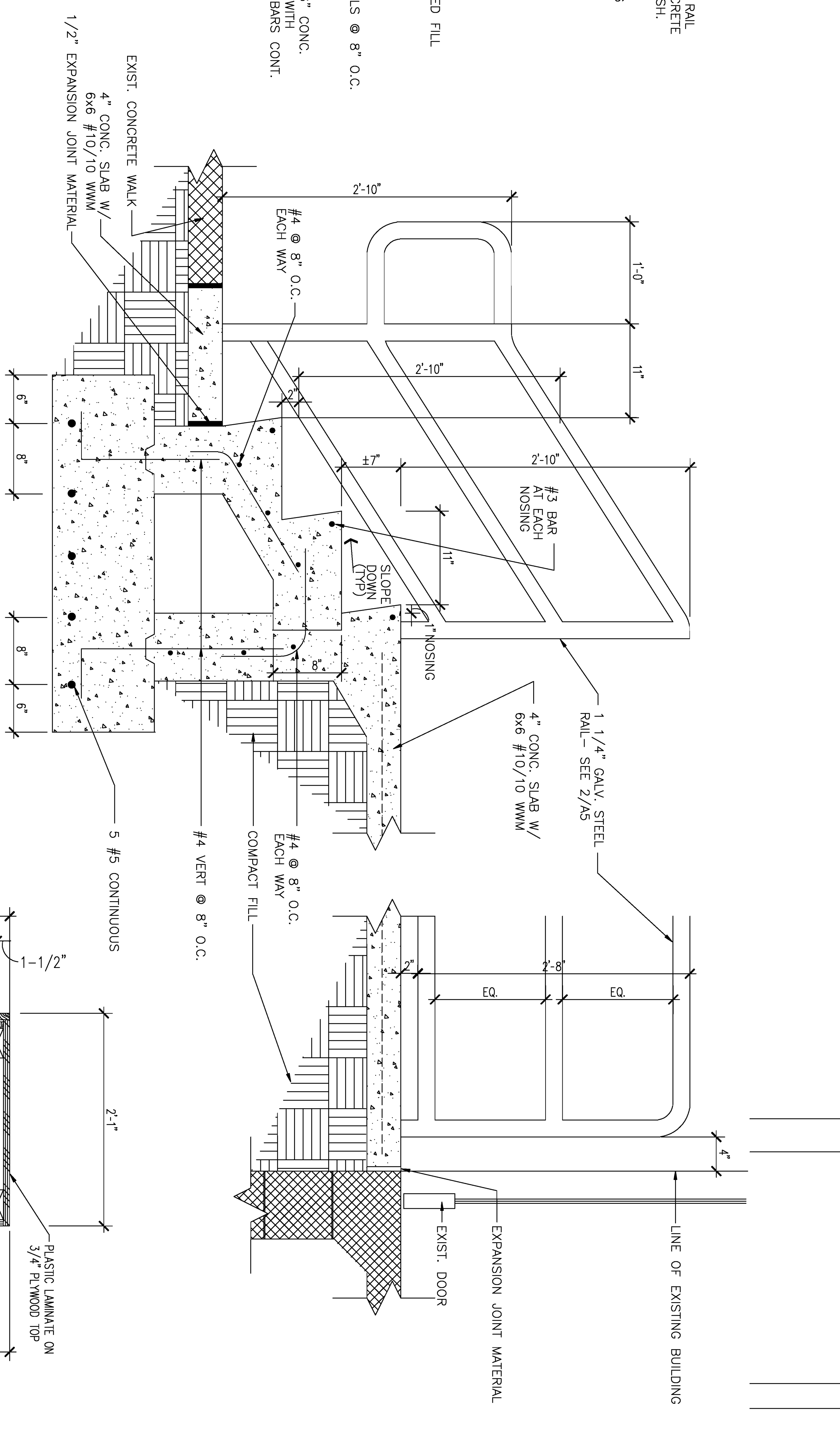
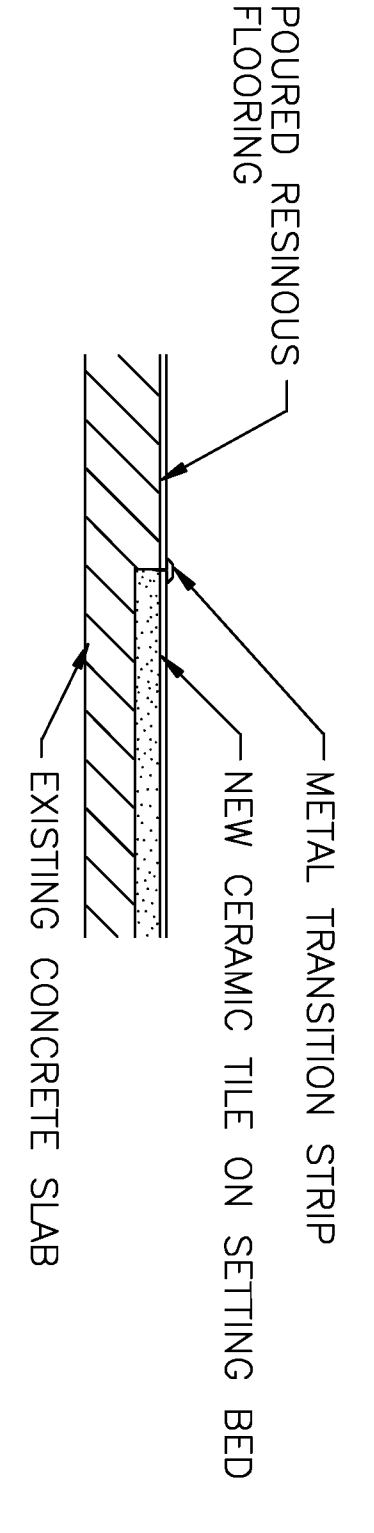
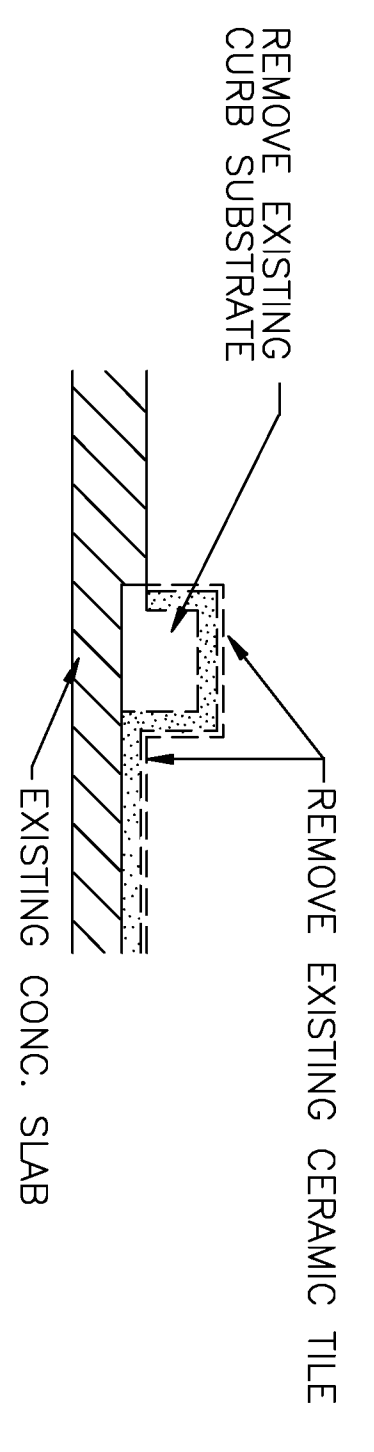
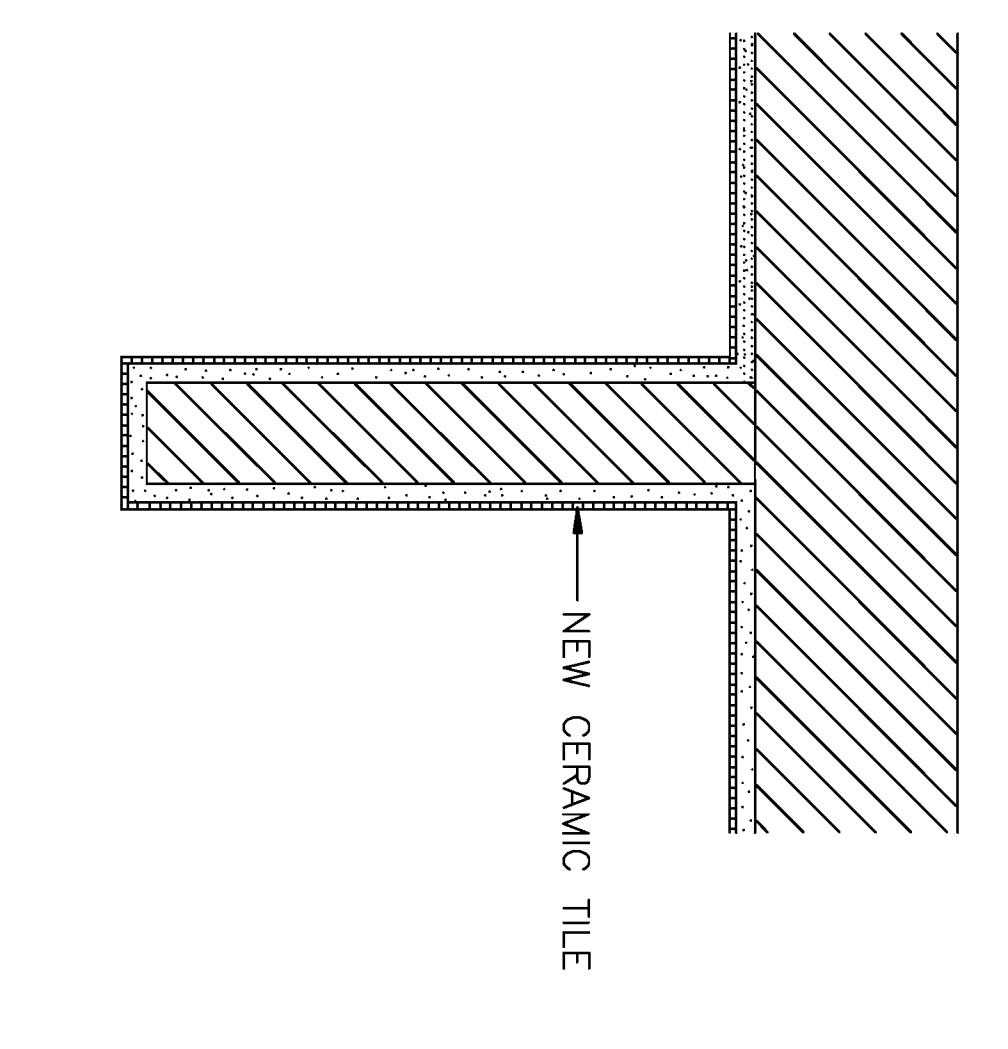
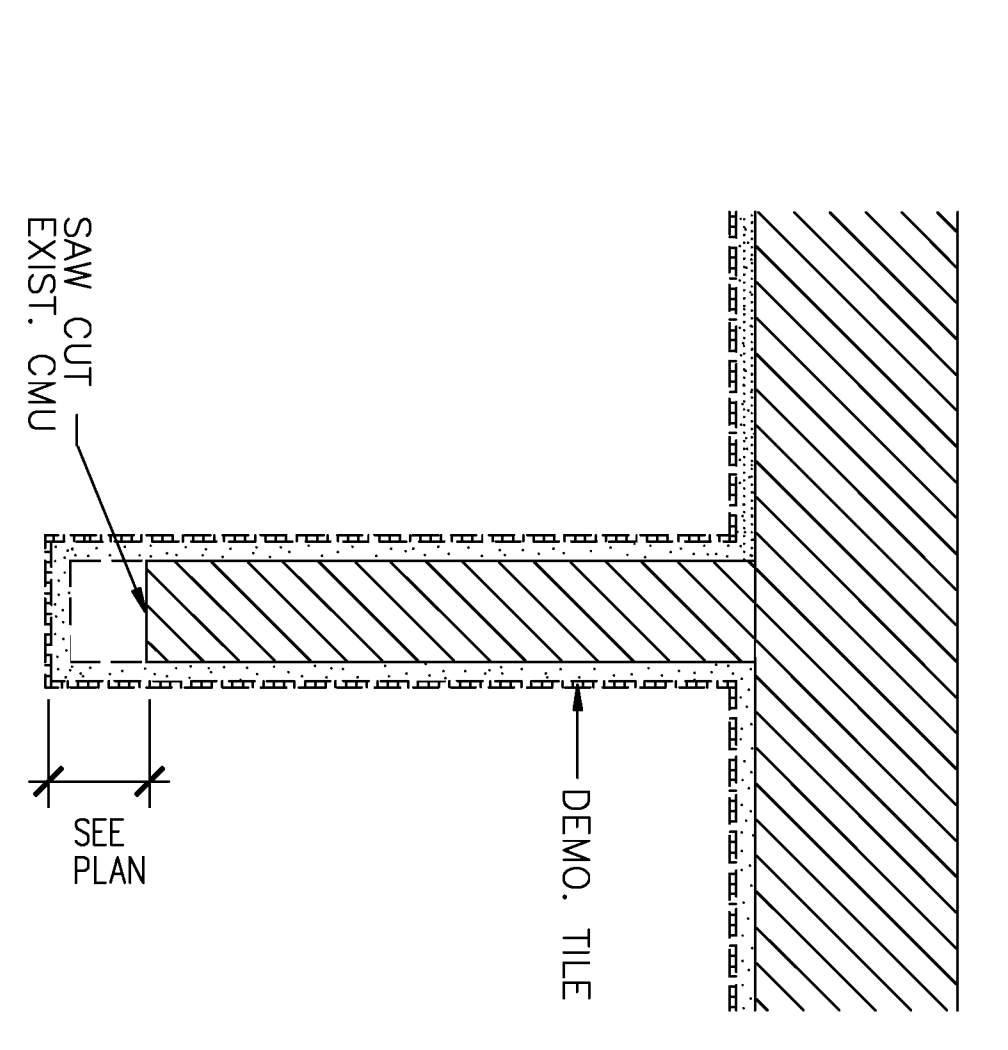
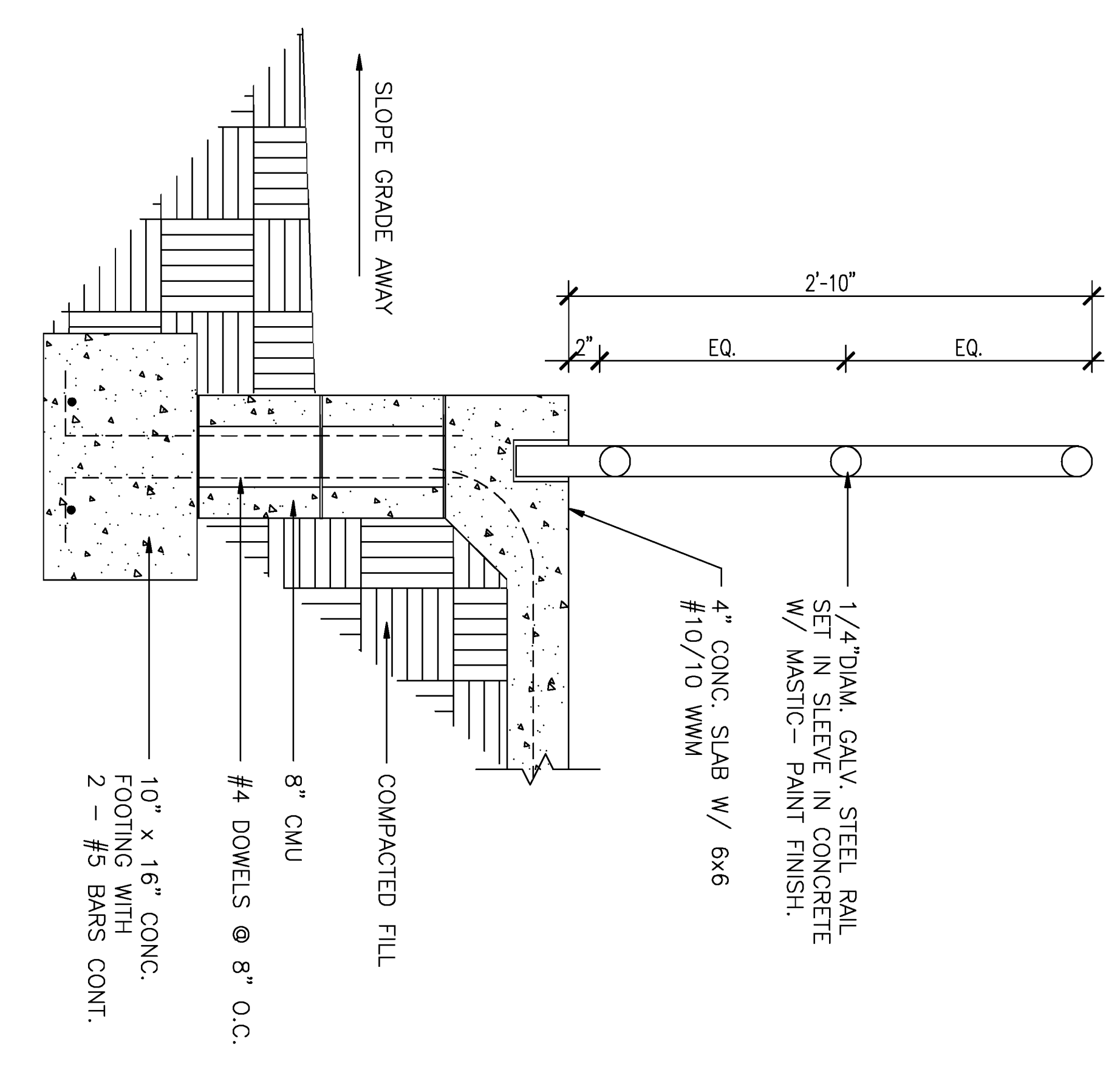
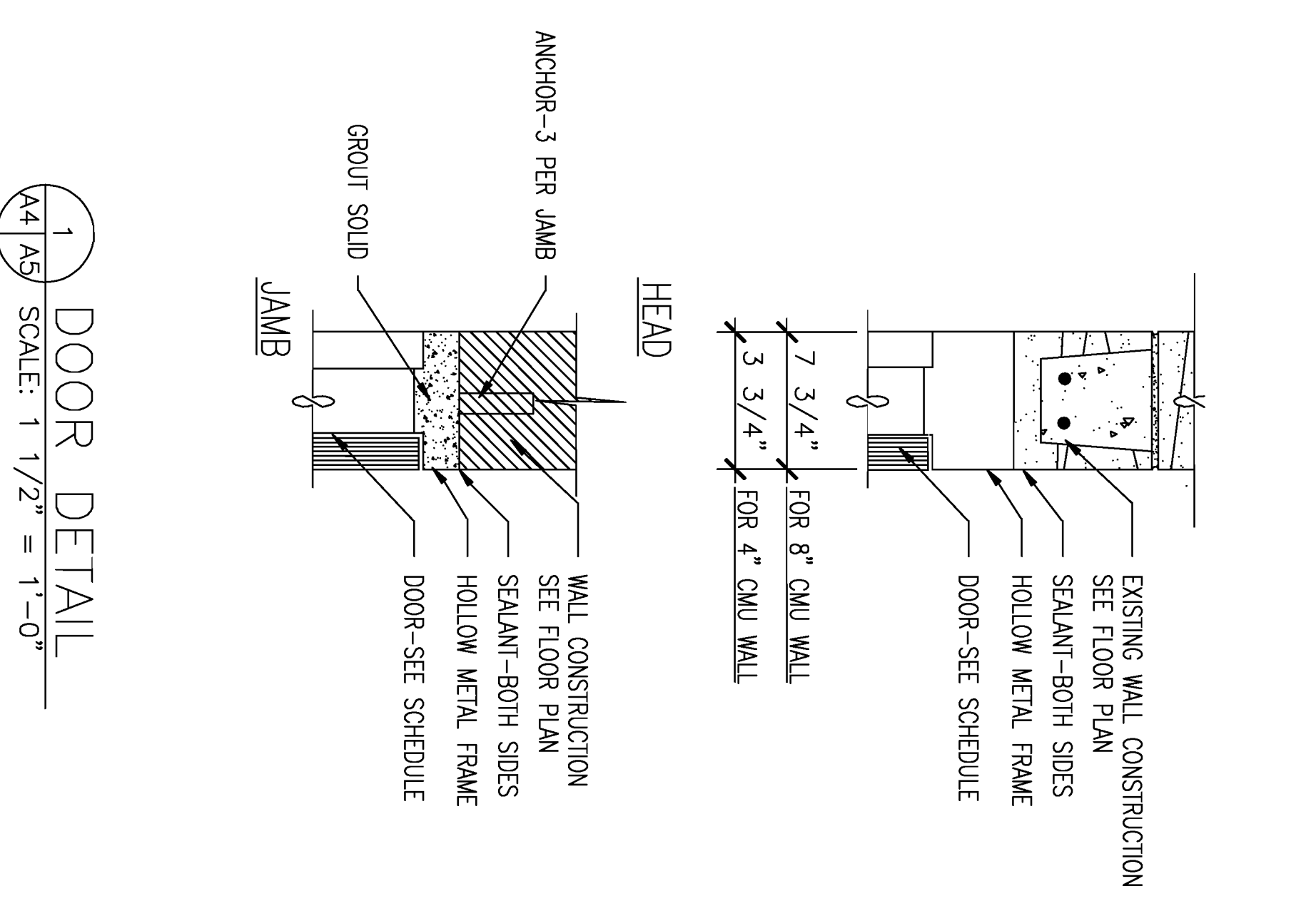
REVISIONS

SYM.	DESCRIPTION	DATE	APP.



**ENGINEERING ASSOCIATES, INC.**  
 10981  
 DES. CLARK  
 DR. KOVACH  
 CHK. CLARK  
 SUPV. I. VELISSARIOS  
 DATE: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_  
 SCALE: AS SHOWN. SHEET 5 OF 18

DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND  
 MARINE CORPS AIR STATION, BEAUFORT, S.C.  
**REPAIRS TO COMBAT POOL SCHEDULES AND DETAILS**  
 NAVFAC DRAWING NO. 5291756  
 CONSTRUCTION NO. NS2467-96-C-6555



DEMOLITION

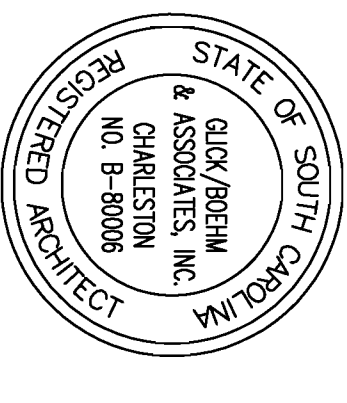
RENOVATION

6 HANDRAIL ELEVATION  
SCALE: 1/2" = 1'-0"

5 PLATFORM/STAIR DETAIL  
SCALE: 1 1/2" = 1'-0"

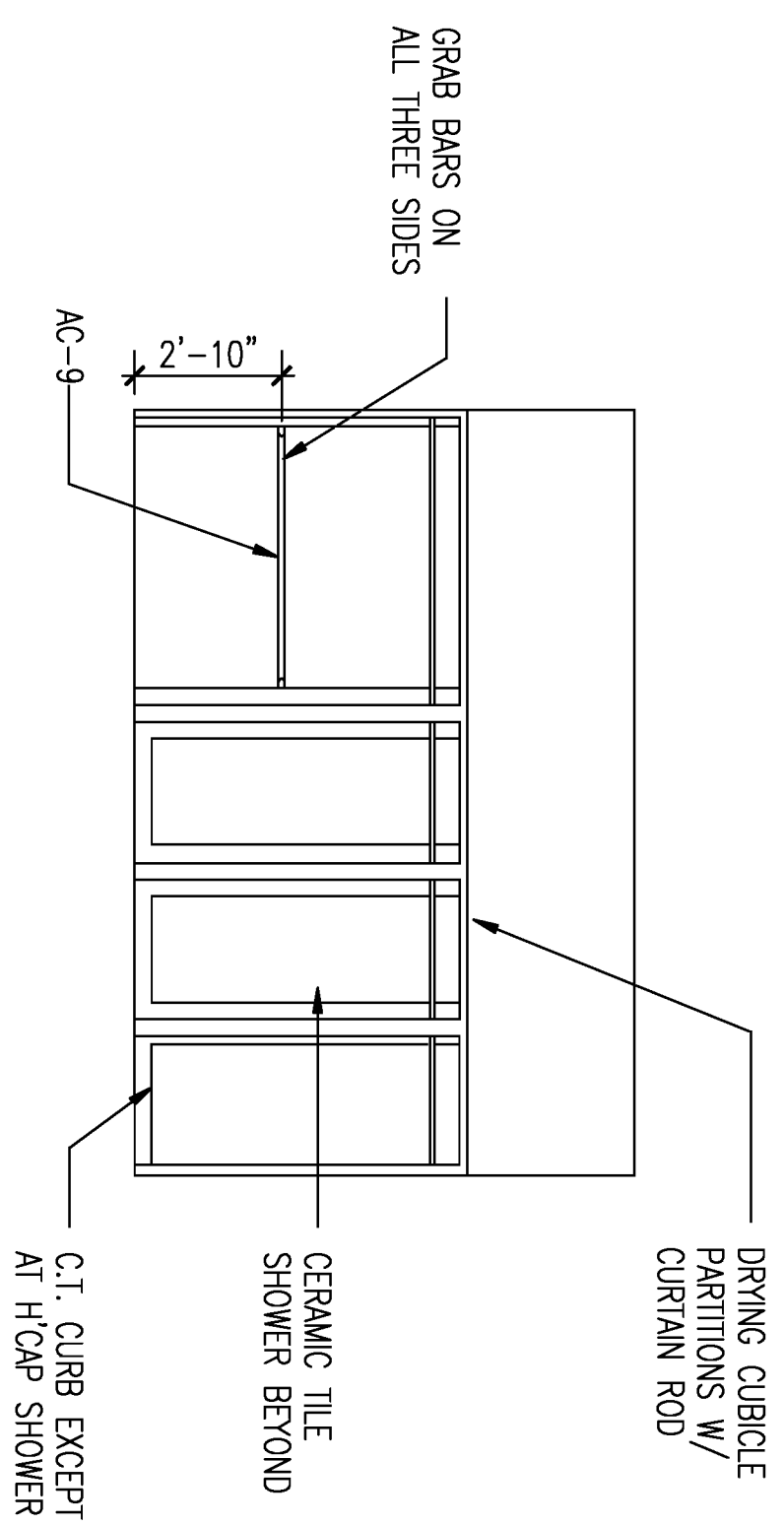
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4 CURB DETAIL  
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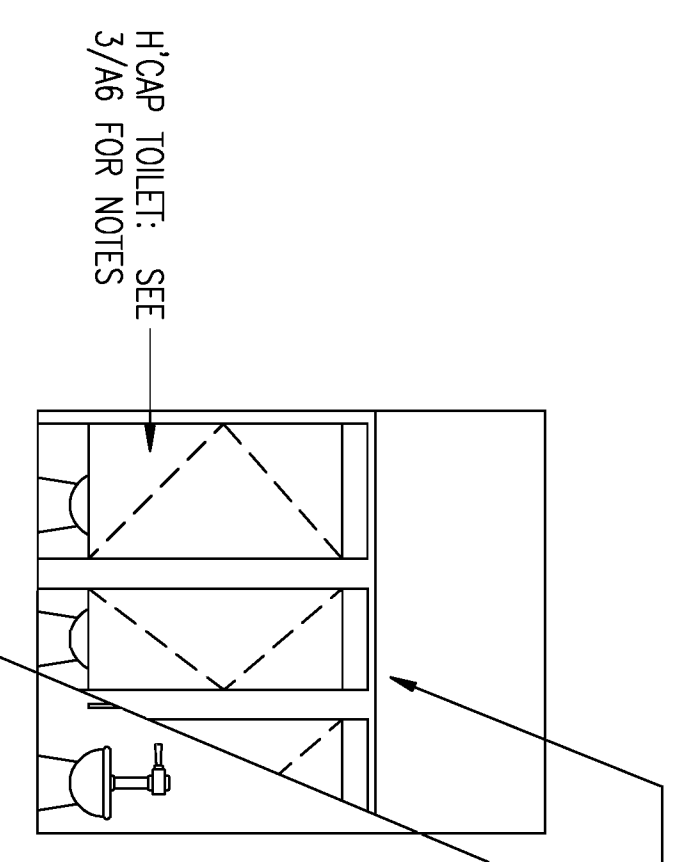


		PW DWG NO. <b>10982</b>		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS AIR STATION, BEAUFORT, S.C.</b>	
ARCH. & ENGR. FIRM SHERIDAN & ASSOCIATES, INC. NO. 8-8006		DES. CLARK		REPAIRS TO COMBAT POOL DETAILS	
SAFETY DEPARTMENT SUPERVISOR TO DWG		DR. KOVACH		SIZE <b>F</b>	
SAFETY DEPARTMENT SUPERVISOR TO DWG		CHK. CLARK		CODE IDENT. NO. <b>80091</b>	
SAFETY DEPARTMENT SUPERVISOR TO DWG		SUPV. TWEISS/STARS		DRAWING NO. <b>5291757</b>	
SAFETY DEPARTMENT SUPERVISOR TO DWG		DATE		CONSTR. CONTR. NO. <b>NG2467-96-C-6555</b>	
SAFETY DEPARTMENT SUPERVISOR TO DWG		APPROVED GRISER, N. COWSE		SCALE <b>AS SHOWN</b>	
SAFETY DEPARTMENT SUPERVISOR TO DWG		DATE		SHEET <b>6 OF 18</b>	

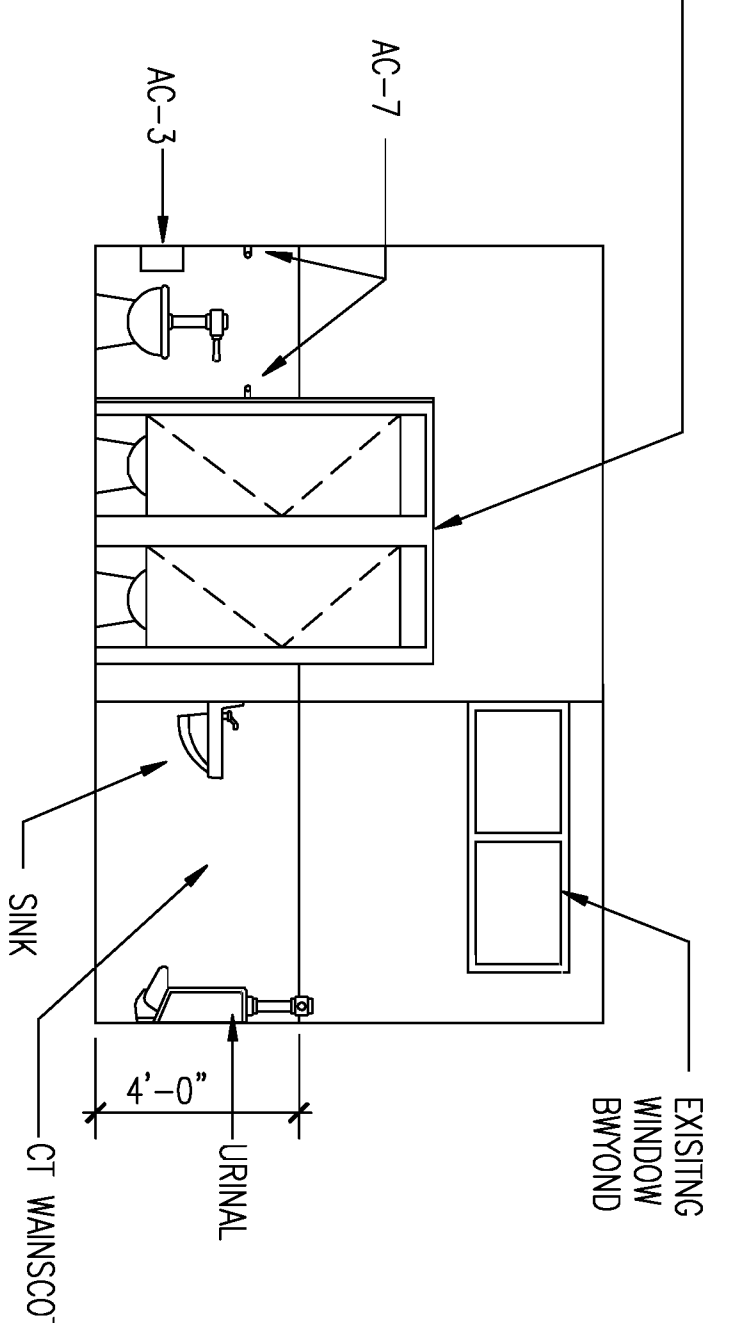
A5



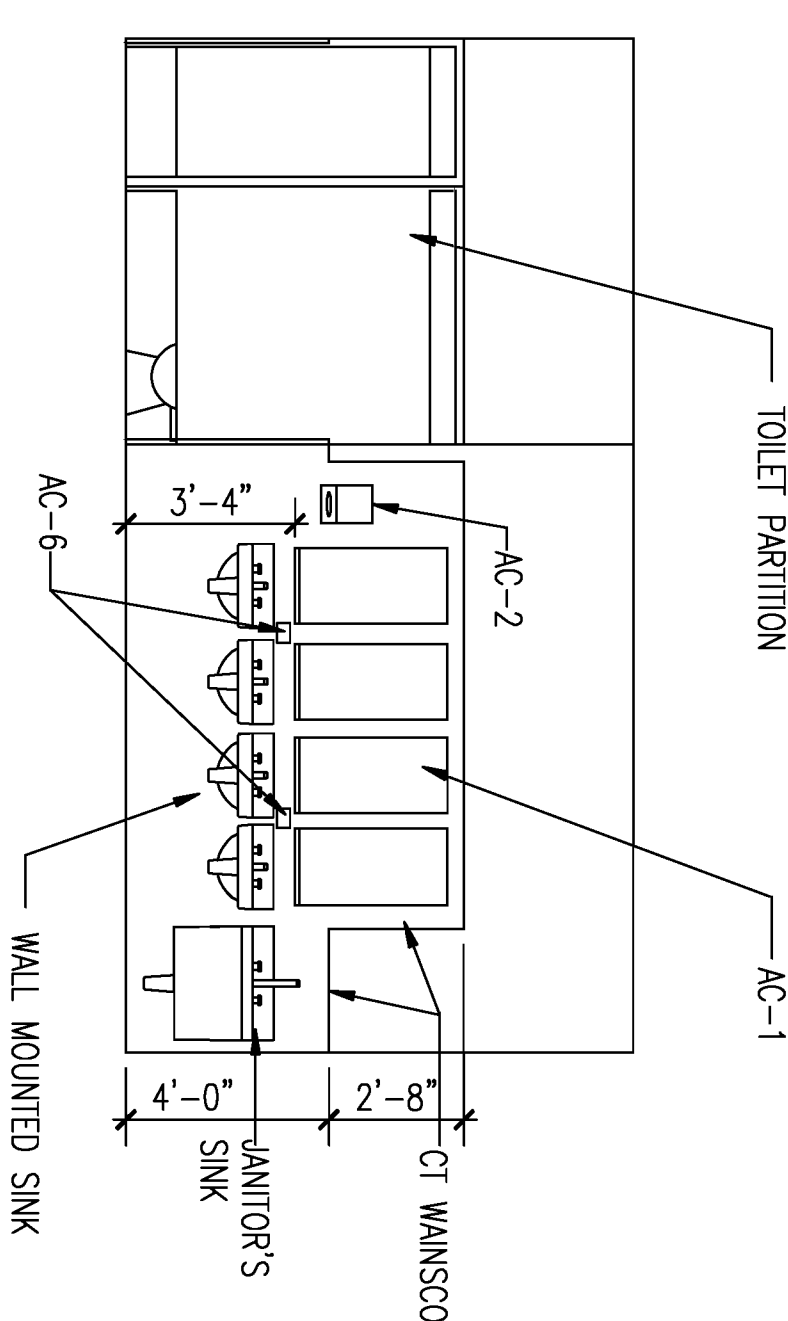
1 SHOWERS 17  
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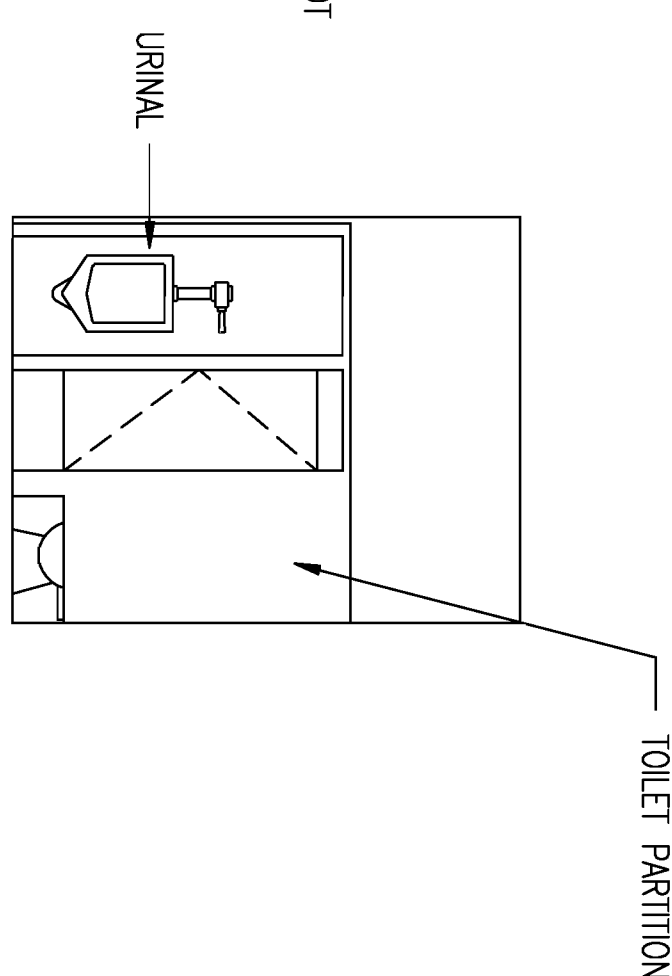
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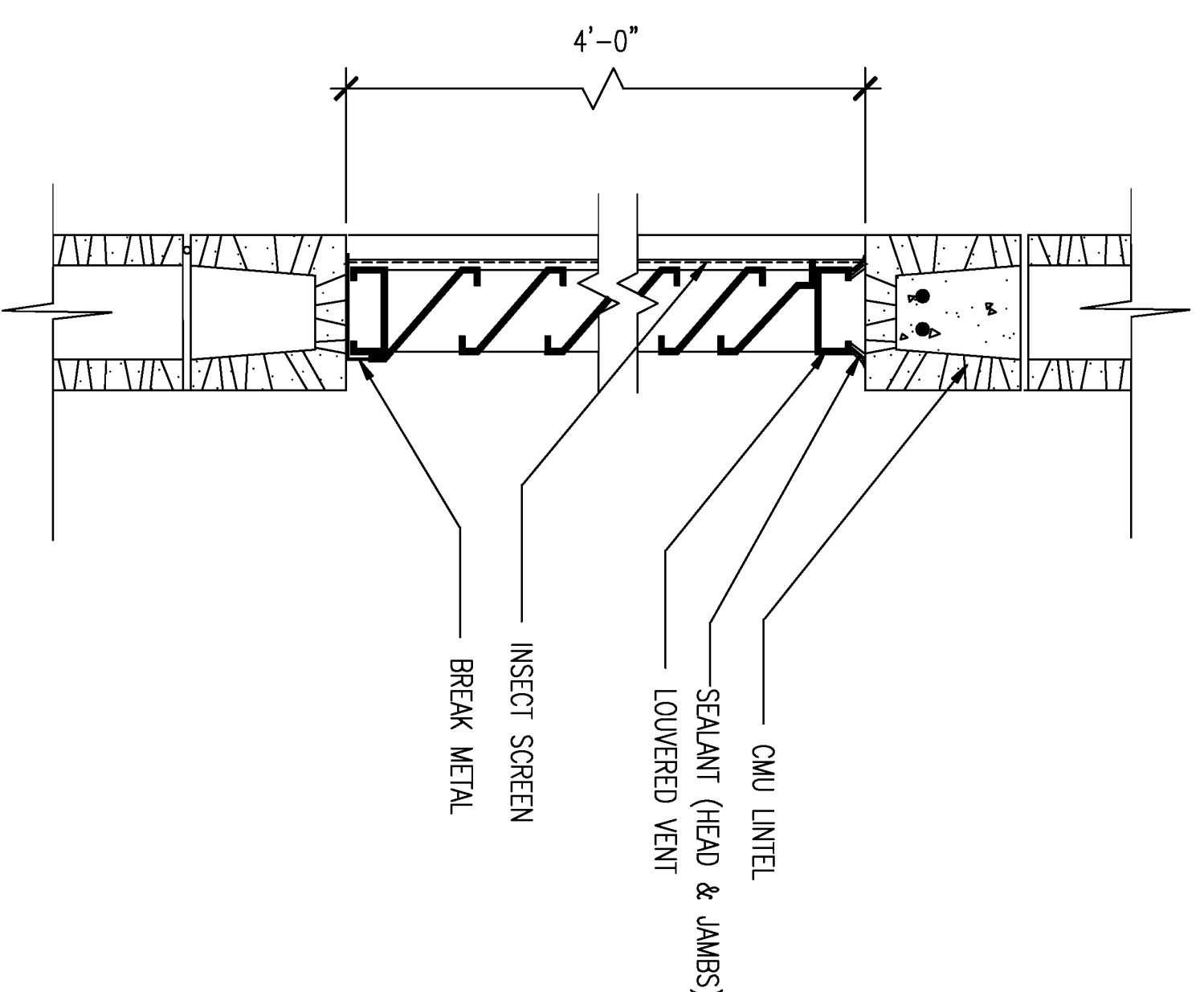
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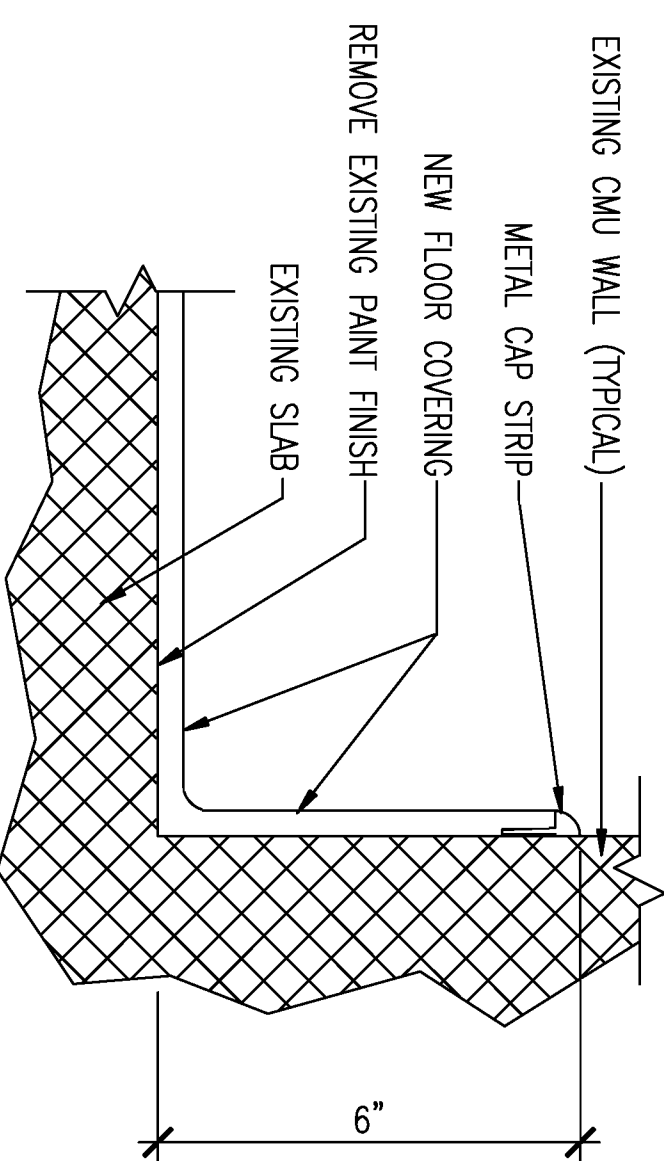
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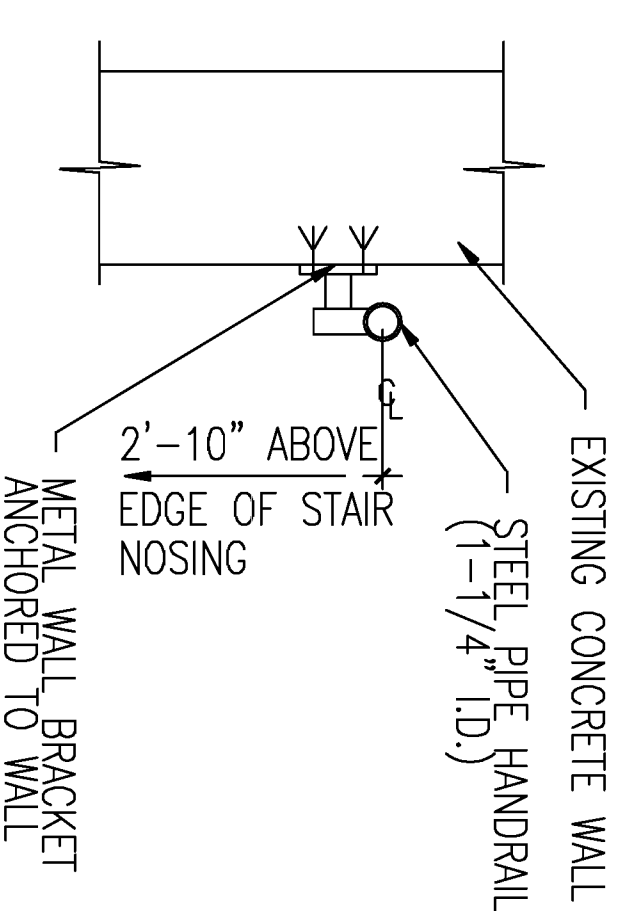
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6 LOWER DETAIL  
SCALE: 1/2" = 1'-0"



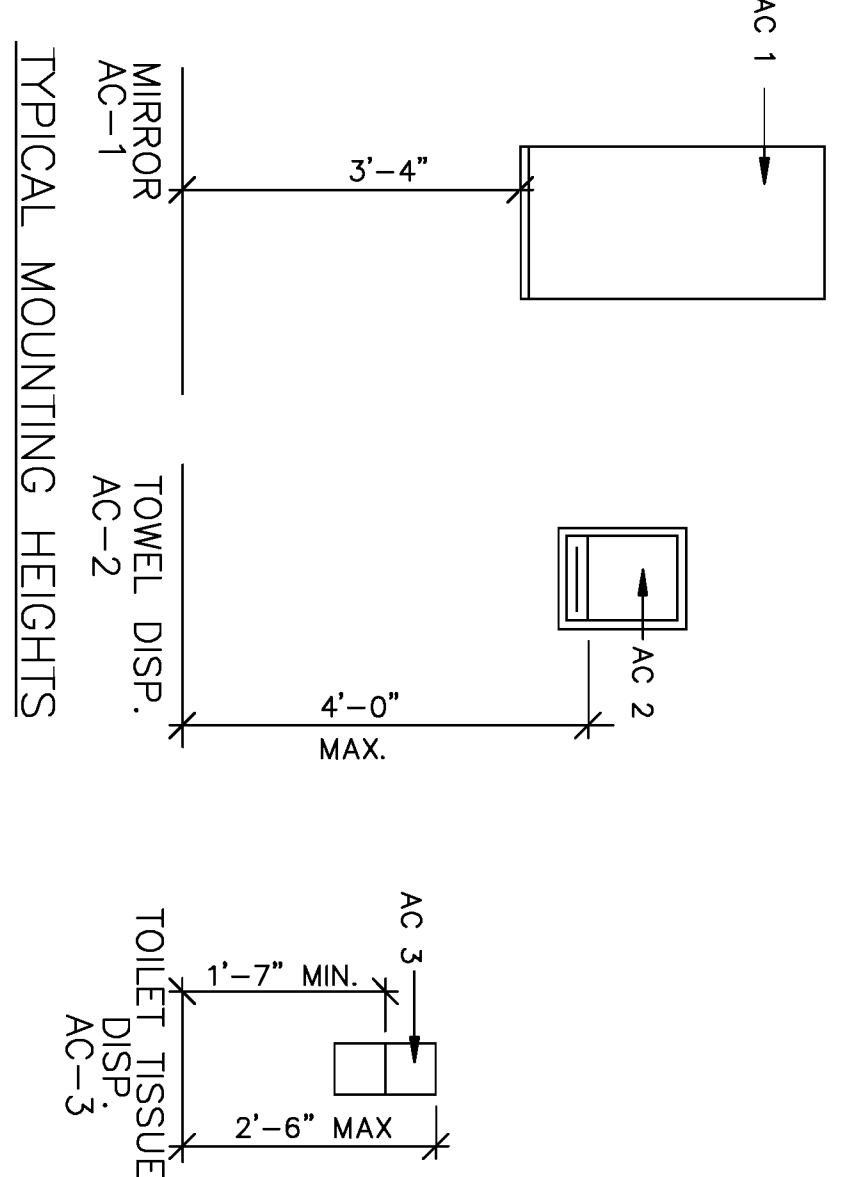
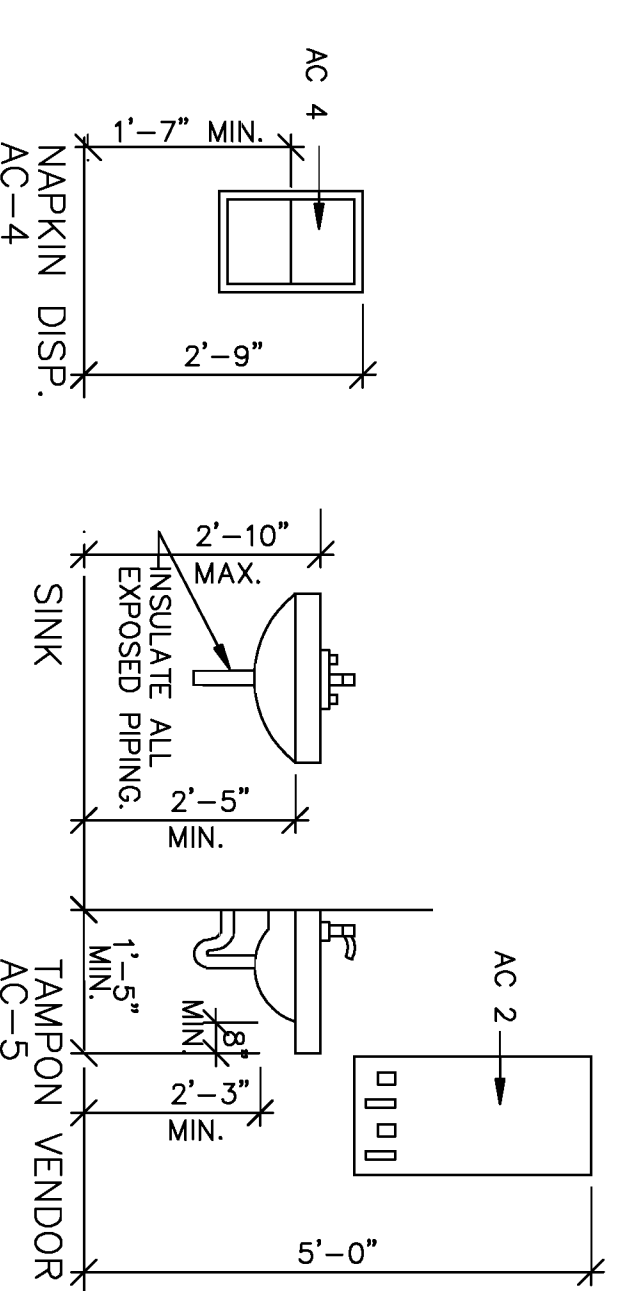
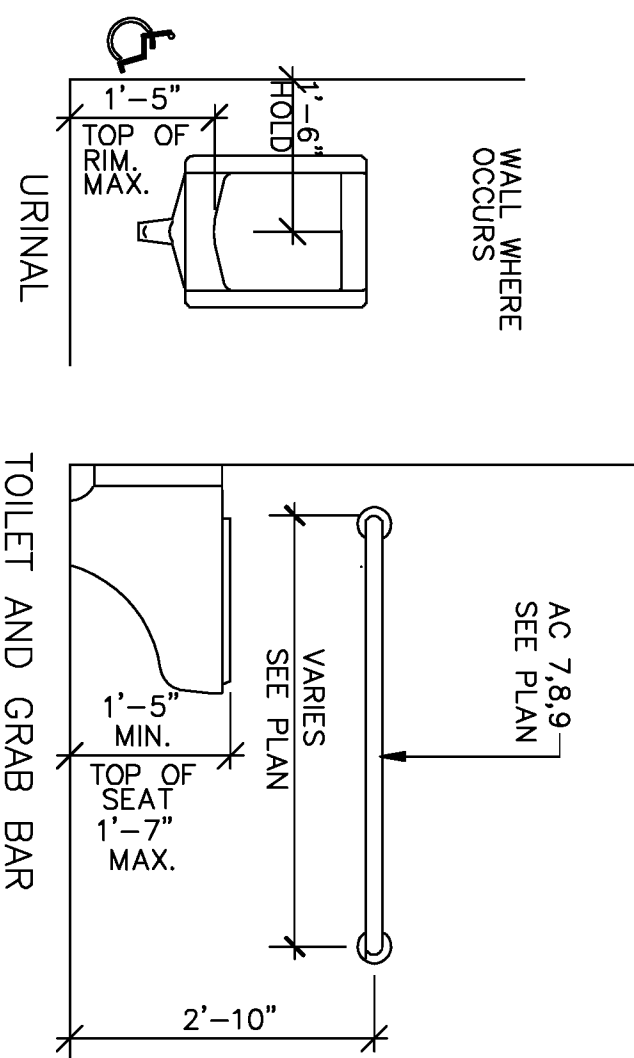
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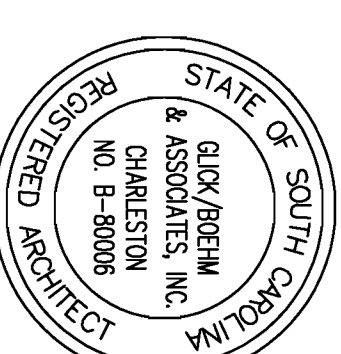
8 WALL BRACKET DETAIL  
SCALE: 1 1/2" = 1'-0"

ACCESSORY SCHEDULE

AC-1	MIRROR W/ SHELF 18 Wx36 H
AC-2	TOILET DISPENSER
AC-3	TOILET DISINFECTANT DISPENSER
AC-4	MARKIN DISPENSER
AC-5	MARKIN/JANITOR VENDOR
AC-6	SOAP DISPENSER - MOUNTED 3'-1" A.F.F. 10 CENTER
AC-7	GRAB BAR - 36" LONG
AC-8	GRAB BAR - 54" LONG
AC-9	GRAB BAR - 60" LONG
AC-10	SHOWER ROD - MOUNTED 6'-0" A.F.F.
AC-11	ROBE HOOK - MOUNTED 5'-6" A.F.F.



A6



	PW DWG NO. <b>10983</b>	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS AIR STATION, BEAUFORT, S.C.
	DES CLARK DR KOVACH CHK CLARK SUPV T.VELISSARIOS SAFETY/ACTIVITY TO DATE DATE	
ARCH. & ENGR. FIRM 2000 W. 10TH ST. CHARLESTON, SC 29405 NO. B-80008 REGISTERED ARCHITECT	APPROVED GRIFFIN N. GUNSE	SIZE CODE IDENT. NO. NAVFAC DRAWING NO. <b>F 80091 3291758</b>
FIRE DEPARTMENT SAFETY/ACTIVITY TO DATE DATE	SCALE AS SHOWN	CONSTR. CONTR. NO. N62467-96-C-6555 SPEC. 06-96-6555 SHEET 7 OF 18

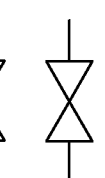
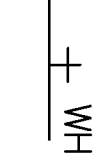
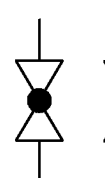
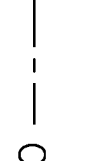
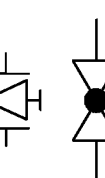

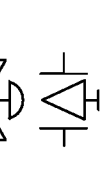
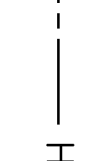
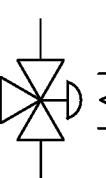

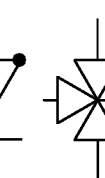

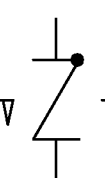
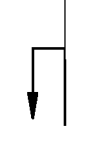
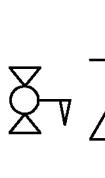
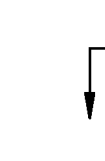
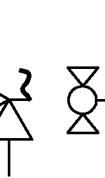


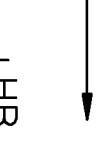
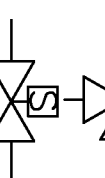

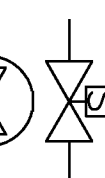
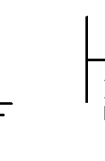

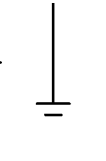

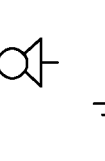
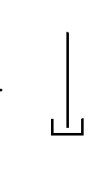

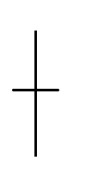

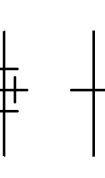
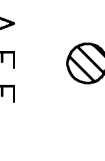
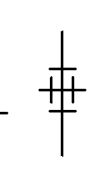
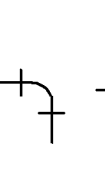
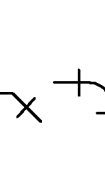

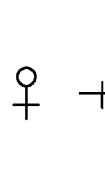
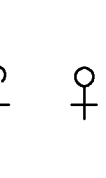
GENERAL DEMOLITION NOTES

1. ALL EQUIPMENT, PIPING, ETC. IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
2. REMOVAL OF EQUIPMENT, PIPING, ETC. IS TO INCLUDE ALL ASSOCIATED HANGERS, SUPPORTS, BRACKETS, AND APPURTENANCES PHYSICALLY ATTACHED AT THE COMMENCEMENT OF DEMOLITION, UNLESS NOTES OTHERWISE (UNO).
3. ALL BUILDING CONSTRUCTION (I.E. WALLS, FLOORS, ETC.) REFERENCED BY KEVED DEMOLITION NOTES IS EXISTING, UNLESS NOTED OTHERWISE.
4. ALL PIPE SIZES INDICATED OR ASSUMED ARE APPROXIMATE TO WITHIN 3 PIPE SIZES, UNLESS NOTED OTHERWISE, FOR BIDDING PURPOSES.
5. LOCATIONS OF EQUIPMENT, PIPING, ETC., IS DIAGRAMMATIC ONLY AND IS NOT INTENDED TO SHOW THE EXACT LOCATION.
6. COLD WATER PIPES WITH NO SIZE INDICATED, ASSUME 1-1/2" SIZE.
7. HOT WATER PIPES WITH NO SIZE INDICATED, ASSUMED 1" IN SIZE.
8. ALL EQUIPMENT REMOVED, NOT INDICATED TO BE REUSED SHALL REMAIN THE PROPERTY OF THE GOVERNMENT, UNLESS NOTED OTHERWISE, AND SHALL BE TRANSPORTED BY THE CONTRACTOR TO A LOCATION AS DIRECTED BY THE CONTRACTING OFFICER.
9. ALL PIPING, AND ASSOCIATED APPURTENANCES INDICATED TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE BY THE REMOVING CONTRACTOR WITHIN 24 HOURS AFTER REMOVAL OF SUCH ITEMS.
10. EXISTING EQUIPMENT INDICATED TO BE REUSED SHALL BE CLEANED AND SERVICED PRIOR TO REUSE.

GENERAL PLUMBING NOTES

1. PROVIDE ALL MATERIALS AND LABOR NECESSARY FOR COMPLETE AND PROPERLY FUNCTIONING PLUMBING SYSTEMS. WARRANT ALL WORK AND ALL MATERIALS, EQUIPMENT AND DEVICES FOR A PERIOD OF ONE YEAR AFTER CONTRACTING OFFICERS ACCEPTANCE.
2. WORK SHALL CONFORM TO OR MEET THE REQUIREMENTS OF THE MOST CURRENT EDITION OF:
  - A. SBCCI STANDARD PLUMBING CODE
  - B. ASPE
  - C. UL
  - D. ANSI
  - E. ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES
3. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO BE SCALED FOR DIMENSIONS.
4. ALL MATERIALS, EQUIPMENT AND DEVICES SHALL, AS A MINIMUM, MEET THE REQUIREMENTS OF UL WHERE UL STANDARDS ARE ESTABLISHED FOR THOSE ITEMS. ALL ITEMS SHALL BE CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSE USED.
5. ALL ITEMS SHALL BE NEW, UNLESS NOTED OTHERWISE.
6. ALL MATERIALS AND EQUIPMENT SHALL BE CURRENT PRODUCTS BY MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.
7. COORDINATE LOCATION OF PLUMBING WORK WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES.
8. INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURERS WRITTEN PRINTED INSTRUCTIONS AND RECOMMENDATIONS.
9. COORDINATE WITH AND OBTAIN PERMITS AND INSPECTIONS FROM AUTHORITY HAVING JURISDICTION.
10. ALL EQUIPMENT AND PIPE ABOVE CEILING SHALL BE SUPPORTED FROM BUILDING STRUCTURE ABOVE, UNLESS NOTED OTHERWISE.
11. PROVIDE EXPANSION-DEFLECTION JOINTS WHERE PIPE CROSSES BUILDING EXPANSION OR SEISMIC JOINTS.

PLUMBING LEGEND

	GATE VALVE	I.E.	INVERT ELEVATION		WALL HYDRANT
	GLOBE VALVE	T&P	TEMPERATURE & PRESSURE		COLD WATER
	PLUG VALVE	N.T.S.	NOT TO SCALE		HOT WATER
	THREE-WAY CONTROL VALVE	P#	DRAWING DESIGNATION		HOT WATER RETURN
	CHECK, SWING GATE	P-#	FIXTURE DESIGNATION		PITCH DOWN IN DIRECTION OF ARROW
	PRESSURE REDUCING STATION	WH-#	WATER HEATER DESIGNATION		FLOW-IN DIRECTION OF ARROW
	RELIEF(R) OR SAFETY(S)	AD	ACCESS DOOR		HOSE BIBB
	SOLENOID	CONC.	CONCRETE		FLOOR CLEANOUT
	VALVE IN PIT	SHT.	SHEET		VALVE IN RISER
	CAP	CLG.	CEILING		FLOOR DRAIN
	COUPLING (JOINT)	P-	PUMP		ABOVE FINISHED FLOOR
	CROSS	C.O.	CLEANOUT		AMERICAN SOCIETY OF MECHANICAL ENGINEERS
	ELBOW, 90°	W.C.O.	WALL CLEANOUT		BELOW FINISHED FLOOR
	ELBOW, 45°		BALANCING VALVE		UNDERGROUND
	ELBOW, TURNED UP		REDUCED PRESSURE BACKFLOW PREVENTER		PRESSURE DROP
	ELBOW, TURNED DOWN		POINT OF DISCONNECTION BETWEEN EXISTING TO REMAIN AND THAT TO BE REMOVED.		DOWN
	TEE		CONNECT TO EXISTING		UNLESS NOTED OTHERWISE
	TEE, OUTLET UP		REDUCER/INGREASER		
	TEE, OUTLET DOWN		SANITARY VENT LINE		
	UNION		SANITARY VENT THRU ROOF		
	SHOCK ABSORBER		SOIL WASTE OR SANITARY SEWER BELOW GRADE		
	BALL VALVE				
	INDICATES THAT WHICH IS TO BE REMOVED				

NEW PLUMBING FIXTURE SCHEDULE

MARK	TYPE	PIPE CONNECTIONS			REMARKS
		WASTE	VENT	COLD WATER / HOT WATER	
P-1	WATER CLOSET	4"		1"	①
P-1A	WATER CLOSET--HANDICAP	4"		1"	②
P-2	URNAL	2"		3/4"	①
P-3	LAVATORY	1 1/4"		1/2"	①
P-3A	LAVATORY--HANDICAP	1 1/4"		1/2"	①
P-4	SERVICE SINK	3"		1/2"	①
P-5	DRINKING FOUNTAIN	1 1/4"		1/2"	①
P-6	SHOWER VALVE			1/2"	③
P-6A	SHOWER VALVE--HANDICAP			1/2"	③

- ① CONNECT TO EXISTING ROUGH-IN (UNLESS NOTED OTHERWISE)
- ② RE-ROUGH SUPPLY AND WASTE PIPING.
- ③ MIXING VALVE AND PIPING IS TO BE MOUNTED EXPOSED ON WALL. PROVIDE CHROME PLATED BRASS PIPING, UNINSULATED, FROM 6 INCHES ABOVE SHOWER HEAD THRU MIXING VALVE, TO SHOWER HEAD, BRACKET SECURELY TO WALL WITH CHROME PLATED BRACKETS.

(NEW) WATER HEATER SCHEDULE

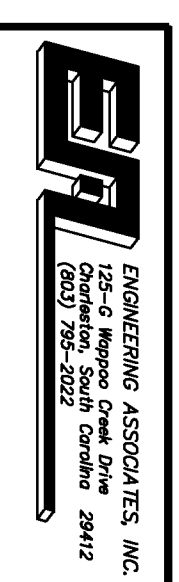
TYPE	STD CAP. GAL.	POWER IMP. K.W.	RECOVERY 50F--140F	WHP (PSI)	NOTES
EW-1	500	52	250	160	① ② ③

NOTES:  
 ① PROVIDE ASME T&P RELIEF VALVE AND EXPANSION TANK.  
 ② PROVIDE RECIRCULATING PUMP AND IMMERSION AQUASTAT.  
 ③ SET THERMOSTATS TO MAINTAIN 120F WATER TEMPERATURE.

P1

REV. NO.	DESCRIPTION	DATE APP.

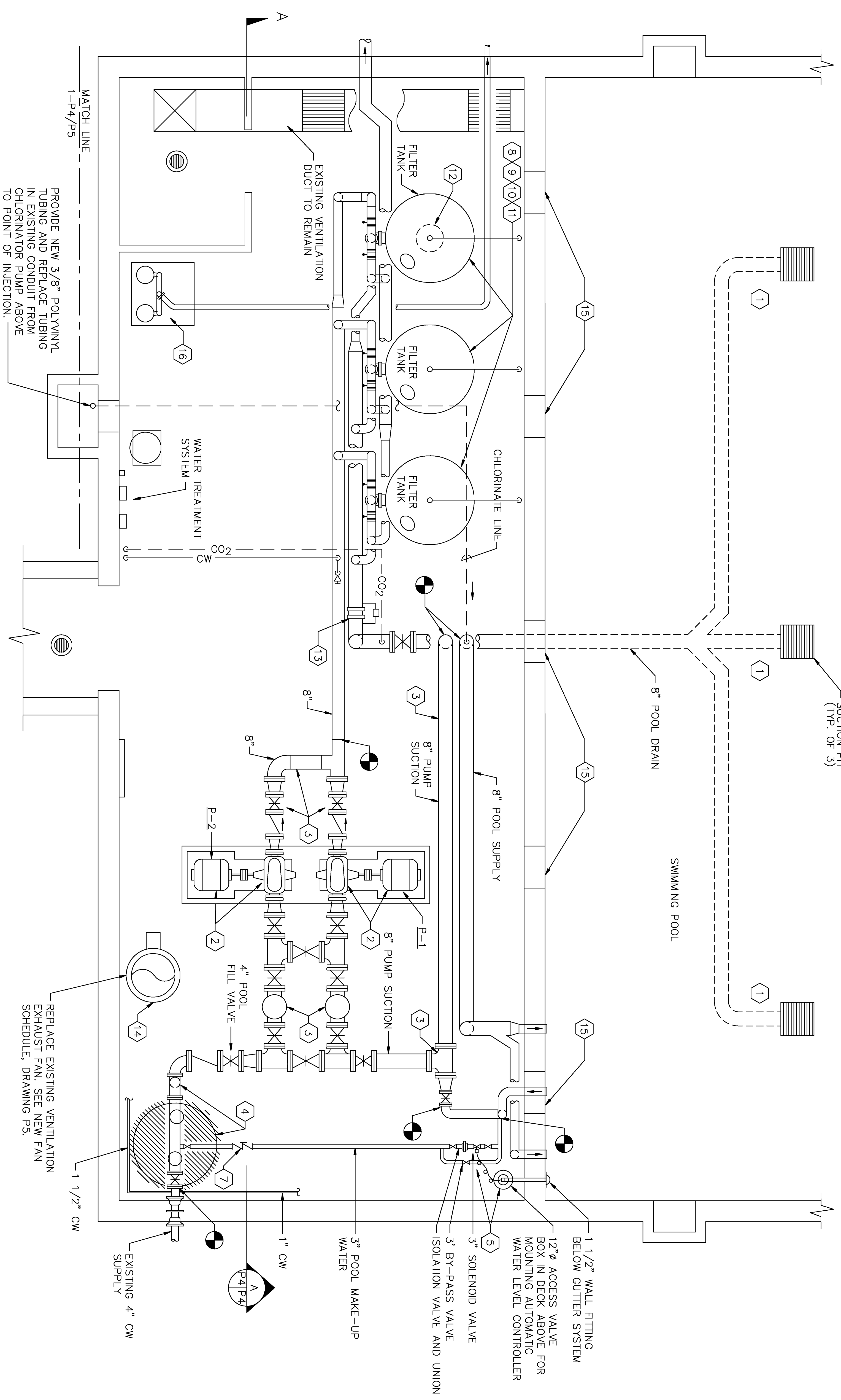


		PW DWG NO. <b>10984</b>		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS AIR STATION, BEAUFORT, S.C.	
ARCH. & ENGR. FIRM	DR. COPE	CHK. BUNDY	DATE	SIZE	CODE IDENT. NO.
SAFETY DEPARTMENT	SUPV. VELISSARIOS	SATISFACTORY TO	DATE	F	80091
FIRE DEPARTMENT	APPROVED	DATE	SCALE	AS SHOWN	CONSTR. CONTR. NO. N62467-96-C-6555
NOTES, LEGEND AND SCHEDULE		NAVFAC DRAWING NO.		SHEET 8 OF 18	
REPAIRS TO COMBAT POOL		5291759		SPEC. 06-96-6555	

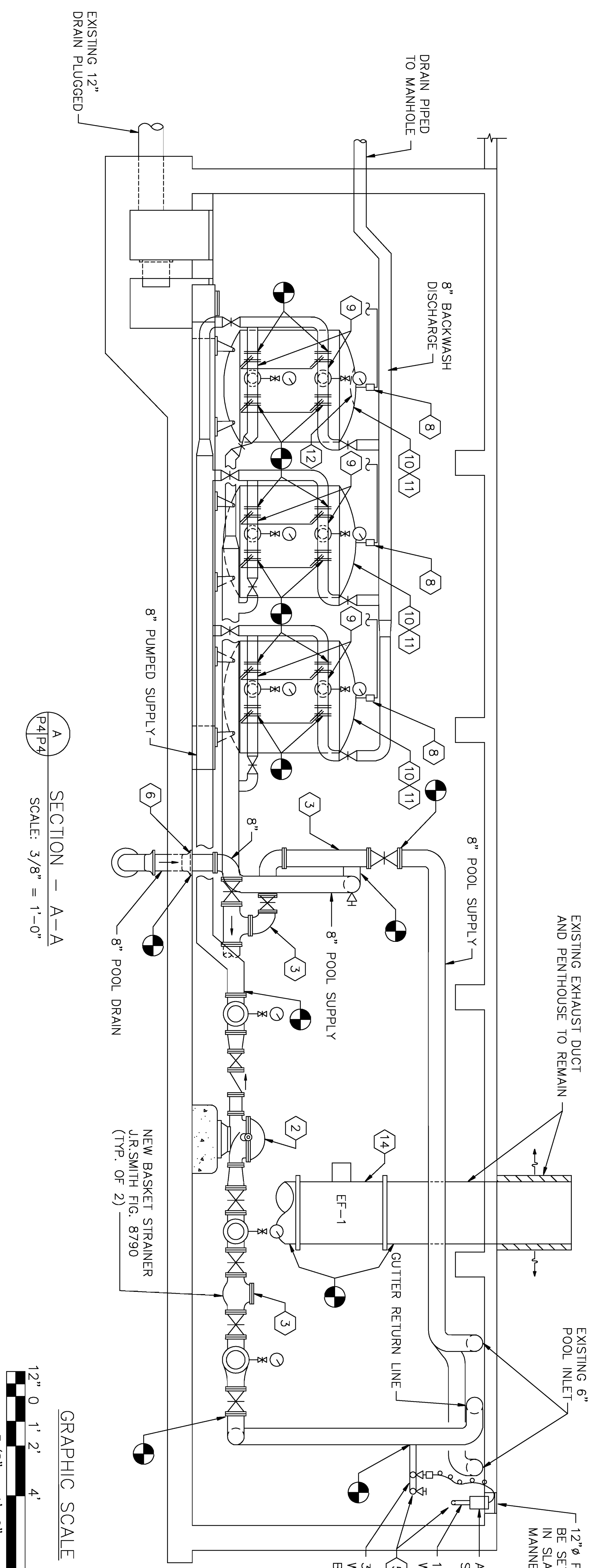




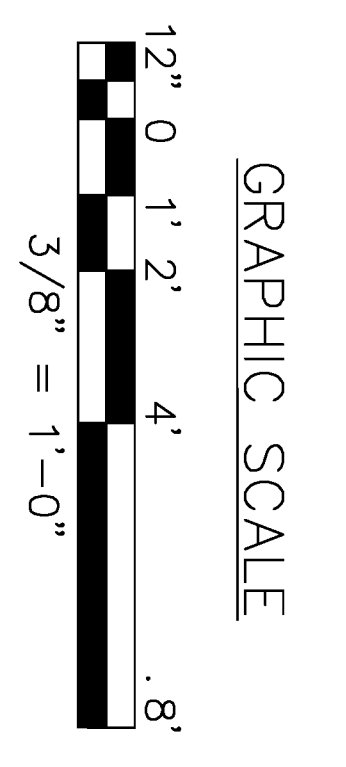
REV. NO.	DESCRIPTION	DATE	APP.



EQUIPMENT ROOM FLOOR PLAN  
SCALE: 3/8" = 1'-0"



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



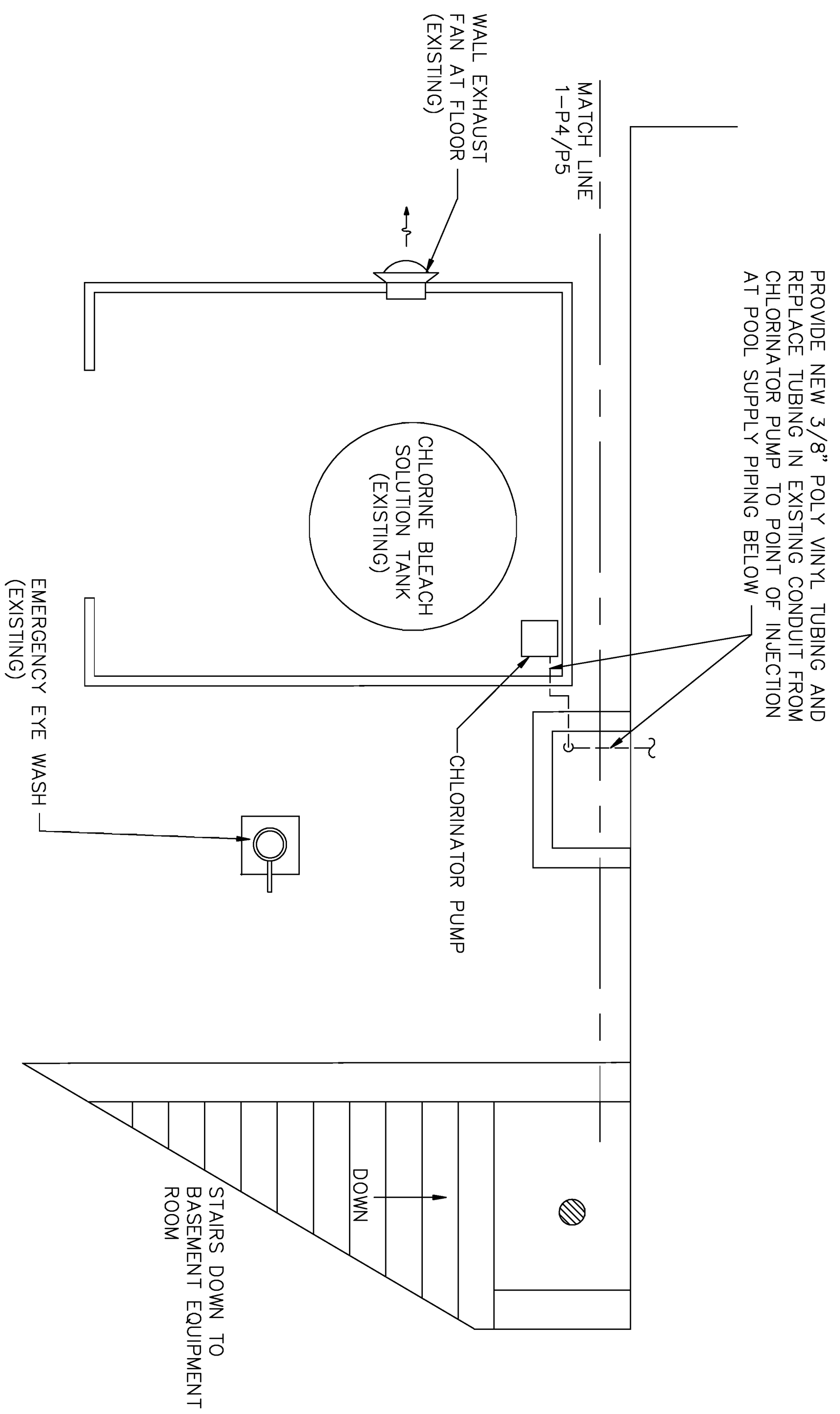
- KEYED RENOVATION NOTES (THIS SHEET ONLY)**
- EXISTING PIPE PENETRATION INTO SUCTION PIT IS TO BE MADE WATER-TIGHT TO PREVENT GROUND WATER FROM ENTERING THE POOL. DRILL OUT CONCRETE FROM PERIMETER OF PIPE 1 INCH DEEP x 1 INCH WIDE. CLEAN CONCRETE FROM EXTERIOR OF PIPE AND INJECT PRESSURE EPOXY GROUT INTO CUT OUT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. INSTALL TEST PLUG INTO OPEN END OF PIPE DURING REPAIR WORK TO KEEP DEBRIS FROM ENTERING PIPE. PROVIDE PORTABLE PUMP TO KEEP WATER OUT OF PIT DURING REPAIR.
  - REMOVE EXISTING 30HP PUMPS AND PROVIDE NEW PUMPS COMPLETE TO MATCH EXISTING HORIZONTAL SPLIT CASE PUMPS AS SPECIFIED AND SCHEDULED ON DRAWINGS.
  - REMOVE EXISTING STEEL PIPING, VALVES AND FITTINGS AS INDICATED AND PROVIDE NEW PIPE AND FITTINGS OF SCHEDULE 80 PVC. REPLACE VALVES AND STRAINERS AS INDICATED AND SPECIFIED.
  - REMOVE 600 GAL. STEEL MAKEUP WATER TANK VALVES AND PIPING AND HALL FROM SITE. REPIPE 4" MAKEUP WATER TO PUMP PIPING AS INDICATED. ANCHOR NEW 4" GATE VALVE TO WALL THRU FLANGE TO 2x2x1/4 ANGLE IRON BRACKET, BOLTED TO WALL WITH MINIMUM 2 EACH 3/8" EXPANSION BOLTS.
  - PROVIDE 2" MAKEUP WATER TO NEW AUTOMATIC WATER LEVEL CONTROLLER. CORE DRILL SLAB ABOVE AND POOL WALL FOR INSTALLATION OF LEVEL CONTROLLER AND EQUALIZER PIPE. PROVIDE GASKET AND BOLTED WATER-TIGHT SEALS. SEE DETAIL 1-P4/P5.
  - CUT OUT CONCRETE AS REQUIRED TO REMOVE STEEL PIPE TO HUB FITTING AND TO REPLACE PIPING WITH NEW SCHEDULE 80 PVC. REPAIR SLAB USING EPOXY CONCRETE GROUT. DO NOT CUT THROUGH CONCRETE SLAB TO GRADE BELOW WITHOUT FURTHER DIRECTION FROM THE ROIC.
  - PROVIDE REDUCED PRESSURE BACK FLOW PREVENTER IN POOL AUTOMATIC MAKE UP WATER LINE.
  - REPLACE EXISTING MANUAL AIR VENT AT TEE FITTING AND PROVIDE NEW 1 INCH AUTOMATIC AIR VENT PIPED TO 12" ABOVE FLOOR. BRACKET PIPE SECURELY TO WALL.
  - PROVIDE NEW AND REPLACE EXISTING WAFFER VALVES AND PIPING CONNECTIONS TO FILTER TANKS, INCLUDING GAUGES, GAUGE COCK AND NIPPLES, PROVIDE NEW OIL FILLED GAUGES, BRASS GAUGE COCK AND NIPPLES.
  - SANDBLAST AND CLEAN RUST FROM FILTER TANKS TO BARE METAL. PRIME AND REPAINT IN ACCORDANCE WITH SPECIFICATION SECTION 09900.
  - REMOVE SAND MEDIA FILTER FILL AND PROVIDE NEW SAND FILTER MEDIA INTO TANKS. SEE SPECIFICATION SECTION 15181 "POOL SERVICE WATER PIPING."
  - PROVIDE AN APPROXIMATE 18 INCH DIAMETER x 1/8" WELDED STEEL WATER-TIGHT PATCH TO TOP OF TANK CENTERED ON AIR VENT FITTING. PATCH SHALL MATCH CURVATURE OF TANK. SCHEDULE 80 PVC SUPPLY PIPE.
  - PROVIDE NEW FLOW METER WITH DIRECT READING GAUGE AS SPECIFIED INTO EXISTING 8 INCH SCHEDULE 80 PVC SUPPLY PIPE.
  - REMOVE NEW AND REPLACE EXISTING TUBULAR CENTRIFUGAL EXHAUST FAN AND HANGAR SUPPORTS AS SCHEDULED ON DRAWING P5.
  - PROVIDE EPOXY PUTTY WATER-INSOLUBLE WATER-TIGHT SEAL TO INTERIOR AND EXTERIOR PERIMETER OF PORTHOLE WINDOWS.
  - REMOVE EXISTING AND PROVIDE NEW ALUMINUM (PEDESTRIAN TRAFFIC DUTY) AT PUMP PIT. PROVIDE CUT OUTS FOR PIPING.

GENERAL NOTE:  
ALL EQUIPMENT AND PIPING IS EXISTING TO REMAIN, UNLESS NOTED OTHERWISE.

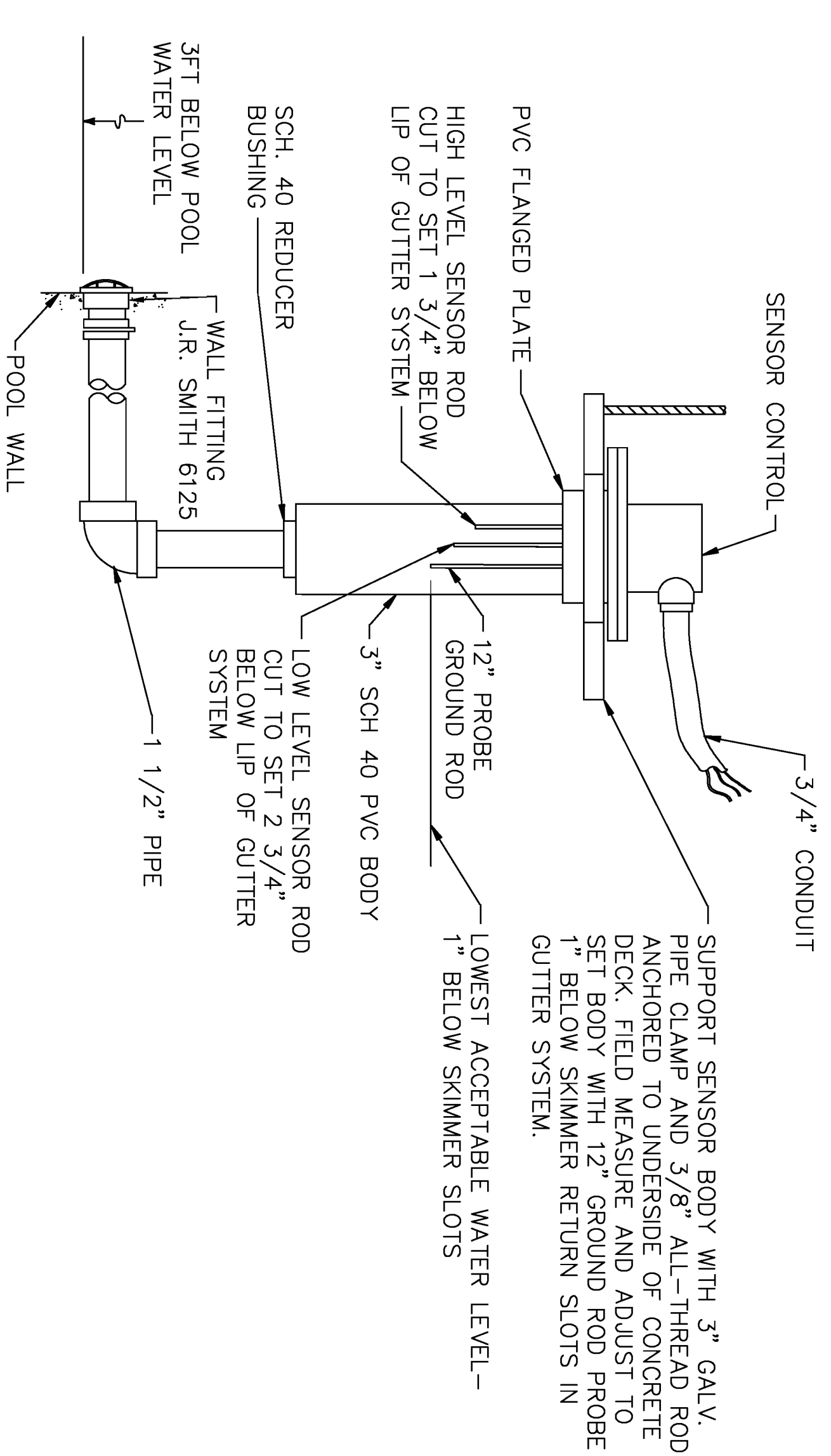
- LEGEND**
- EXISTING PIPING AND EQUIPMENT (REPLACE EXISTING)
  - NEW PIPING AND EQUIPMENT (REPLACE EXISTING)
  - HASH MARKS INDICATE REMOVAL WITHOUT REPLACEMENT
  - POINT OF CONNECTION TO EXISTING TO REMAIN
  - RENOVATION KEYED NOTE
  - CW COLD WATER (DOMESTIC)
  - CO2 CARBON DIOXIDE
  - CL2 CHLORINE (SOLUTION)
  - PGM PRESSURE GAUGE AND COCK
  - GALE VALVE, FLANGED
  - CHECK VALVE, FLANGED
  - REDUCED PRESSURE BACK FLOW PREVENTER

	<b>PW DWG NO.</b> <b>10987</b>	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS AIR STATION, BEAUFORT, S.C.</b>
	<b>DES</b> FRIPP <b>DR</b> BLEWER <b>CHK</b> BUNDY <b>SAFETY</b> VELISSARIOS <b>DATE</b>	
<b>ARCH. &amp; ENGR. FIRM</b> <b>SAFETY DEPARTMENT</b> <b>DATE</b>	<b>SIZE</b> 80091 <b>CODE IDENT. NO.</b> 5291762 <b>DATE</b>	<b>SCALE</b> AS SHOWN <b>SHEET</b> 11 OF 18

SYMBOL	REVISIONS	DESCRIPTION	DATE	APP.



CHLORINE SOLUTION STORAGE BLDG.  
SCALE: 3/8" = 1'-0"



(NEW) AUTOMATIC WATER LEVEL CONTROLLER  
SCALE: NONE

(NEW) PUMP SCHEDULE

MARK	P-1	P-2		
SERVICE	POOL WATER	POOL WATER		
WATER FLOW - GPM	800	800		
TOTAL DYNAMIC HEAD - FT. H2O	100	100		
MOTOR - HP	30	30		
MOTOR SPEED - RPM	1750	1750		
ELECTRICAL - V/Ø/HZ	208-3Ø	208-3Ø		
PUMP TYPE	(1)	(1)		
CONTROLS	(2)	(2)		

- NOTES:
- HORIZONTAL SPLIT CASE DOUBLE SUCTION, SINGLE STAGE.
  - COMBINATION DISCONNECT STARTERS INTERLOCKED SO THAT ONLY ONE PUMP RUNS AT A TIME. MANUAL CHANGE-OVER.

(NEW) FAN SCHEDULE

MARK	EF-1			
FAN TYPE	TUBULAR CENTRIFUGAL			
AIR QUANTITY - CFM (2 SPEED)	4000/2000			
EXT. STATIC PRESSURE - IN H2O	1.5			
DRIVE	BELT			
MOTOR - HP (2 SPEED)	1 1/2			
ELECTRICAL - V/Ø	208-3Ø			

NOTES:  
MFR/MODEL - GREENHECK 24 TCF-CLASS 1-ARRANGEMENT 9 VERTICAL MOUNT, UBGH WITH BELT GUARD, AIR DRY THERMO/C COATING AND SUSPENSION VIBRATION SOLATORS PROVIDED. A 2 STAGE COOLING THERMOSTAT WIRED TO 2-SPEED STARTER FURNISHED UNDER DIVISION 'B'. PROVIDE A WALL MTD. HUMIDISTAT WIRED TO LOW SPEED SIDE OF STARTER IN PARALLEL WITH THERMOSTAT.

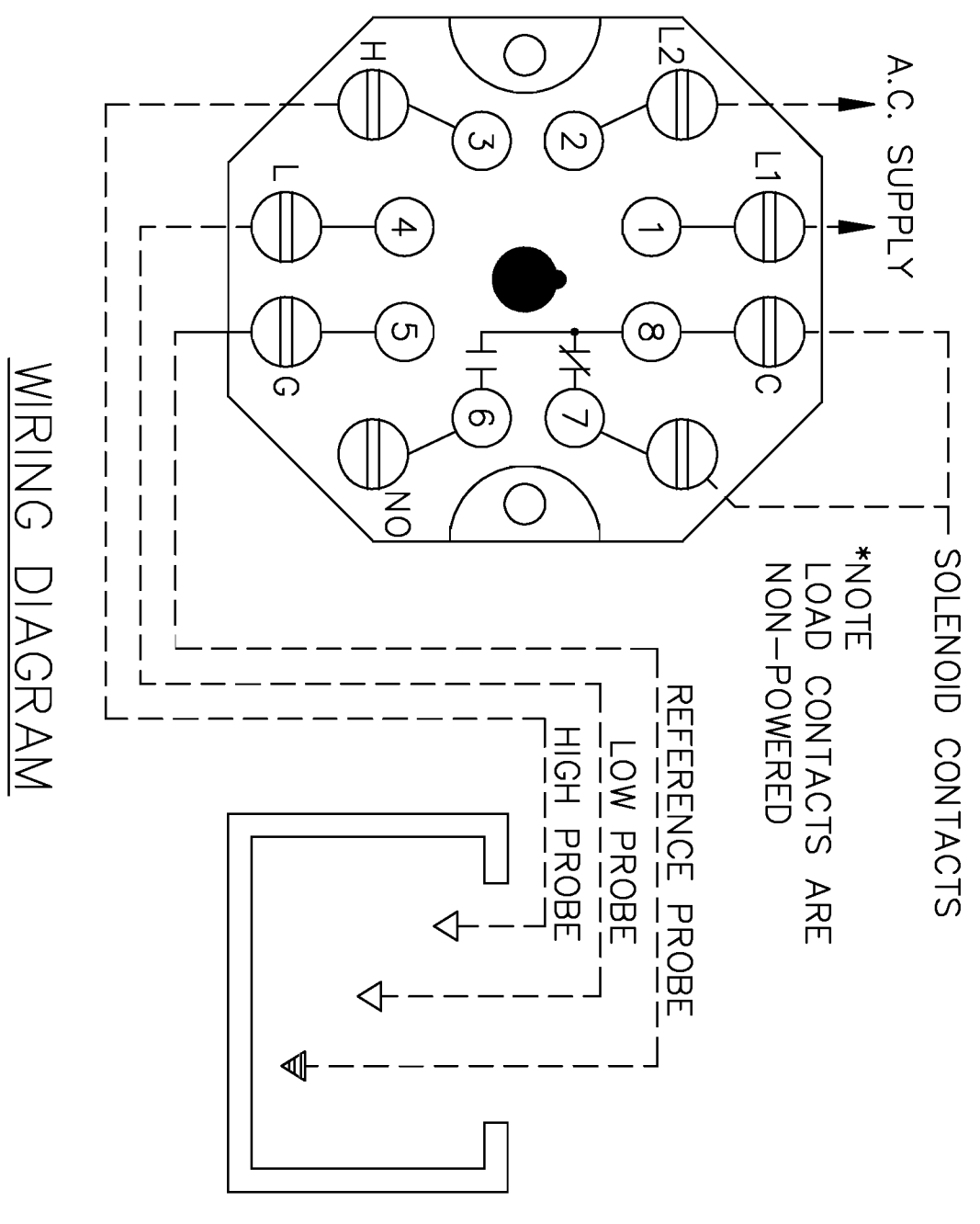
**AUTOMATIC WATER LEVEL CONTROLLER**

CONTROL DESIGN: SOLID STATE COMPONENTS ENCLOSED IN PLUG-IN STYLE SEALED HOUSING.  
 CONTACT DESIGN: SPDT ONE NORMALLY OPEN (N.O.) AND ONE NORMALLY CLOSED (N.C.) NON POWERED CONTACTS.  
 CONTACT RATINGS: 10A @ 120, 240 VAC RESISTIVE, 1/3 HP @ 120, 240 VAC.  
 CONTACT LIFE: MECHANICAL-5 MILLION OPERATIONS, ELECTRICAL-100,000 OPERATIONS MINIMUM, AT RATED LOAD.  
 SUPPLY VOLTAGE: 120 VAC, PLUS 10% MINIMUM 15%, 50/60 HZ.  
 SUPPLY CURRENT: 120 VAC, RELAY ENERGIZED 4.4 VA, 1.5 MILLI-AMP CURRENT.  
 SECONDARY CIRCUIT: 12 VAC RMS VOLTAGE ON PROBES.

SENSITIVITY: MODELS OPERATE FROM 0-1,000,000 OHM MAXIMUM SPECIFIED RESISTANCE.  
 TEMPERATURE: -40 TO 150 DEGREES F. AMBIENT.  
 TERMINALS: ALL CONNECTION #8-32 SCREW TYPE TERMINALS WITH PRESSURE CLAMPS.  
 TIME DELAYS: STANDARD, .5 SECONDS ON RISING LEVEL.  
 LISTING: U.L. LISTED, INDUSTRIAL MOTOR CONTROL (508).  
 FITTINGS: SCH. 40 PVC PIPE FITTINGS.  
 SOLENOID VALVE: 3" ORIFICE, 2 WAY (N.C.) BRASS HIGH FLOW, SLOW CLOSING, U.L. LISTED 120 VAC.  
 PROBES: 316 S.S. BARD ELECTRODE, 1/4-20-SPECIFIED LENGTH.

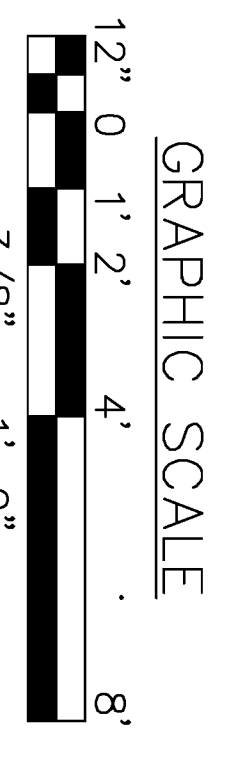
**OPERATION**

THE CONTROLLER IS NORMALLY IN A SHELF STATE. WHEN THE WATER LEVEL DROPS BELOW THE LOW WATER PROBE THE SOLENOID IS ENERGIZED TO OPEN THE VALVE. THE SOLENOID VALVE WILL REMAIN OPEN UNTIL THE WATER LEVEL HAS REACHED THE HIGH WATER PROBE. AT THIS TIME THE SOLENOID IS DE-ENERGIZED AND THE CONTROLLER RETURNS TO A SHELF STATE.  
 IT IS CRITICAL THAT THE BODY BE PLACED AT THE LOWEST ACCEPTABLE WATER LEVEL AT THE BOTTOM OF THE 12" PROBE. ALL OTHER PROBES ARE TO BE CUT TO LENGTH FOR CORRECT OPERATION. THREE PROBES ARE SUPPLIED. THE LONGEST PROBE IS TO BE THE REFERENCE PROBE. THE TWO OTHER PROBES ARE THE LOW WATER PROBE AND THE HIGH WATER PROBE.



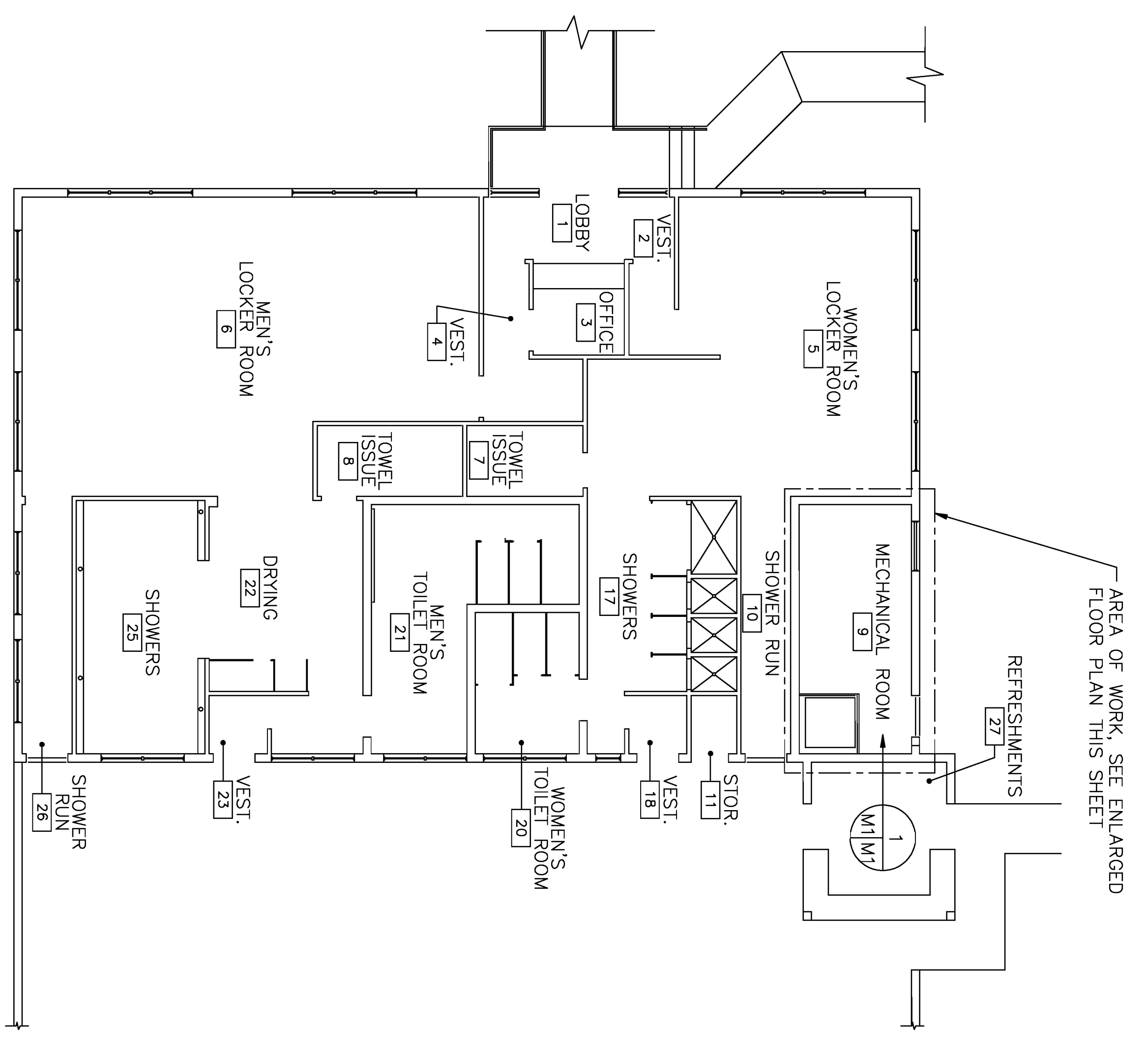
**INSTALLATION OF AUTOMATIC WATER LEVEL CONTROLLER**

SCALE: NONE

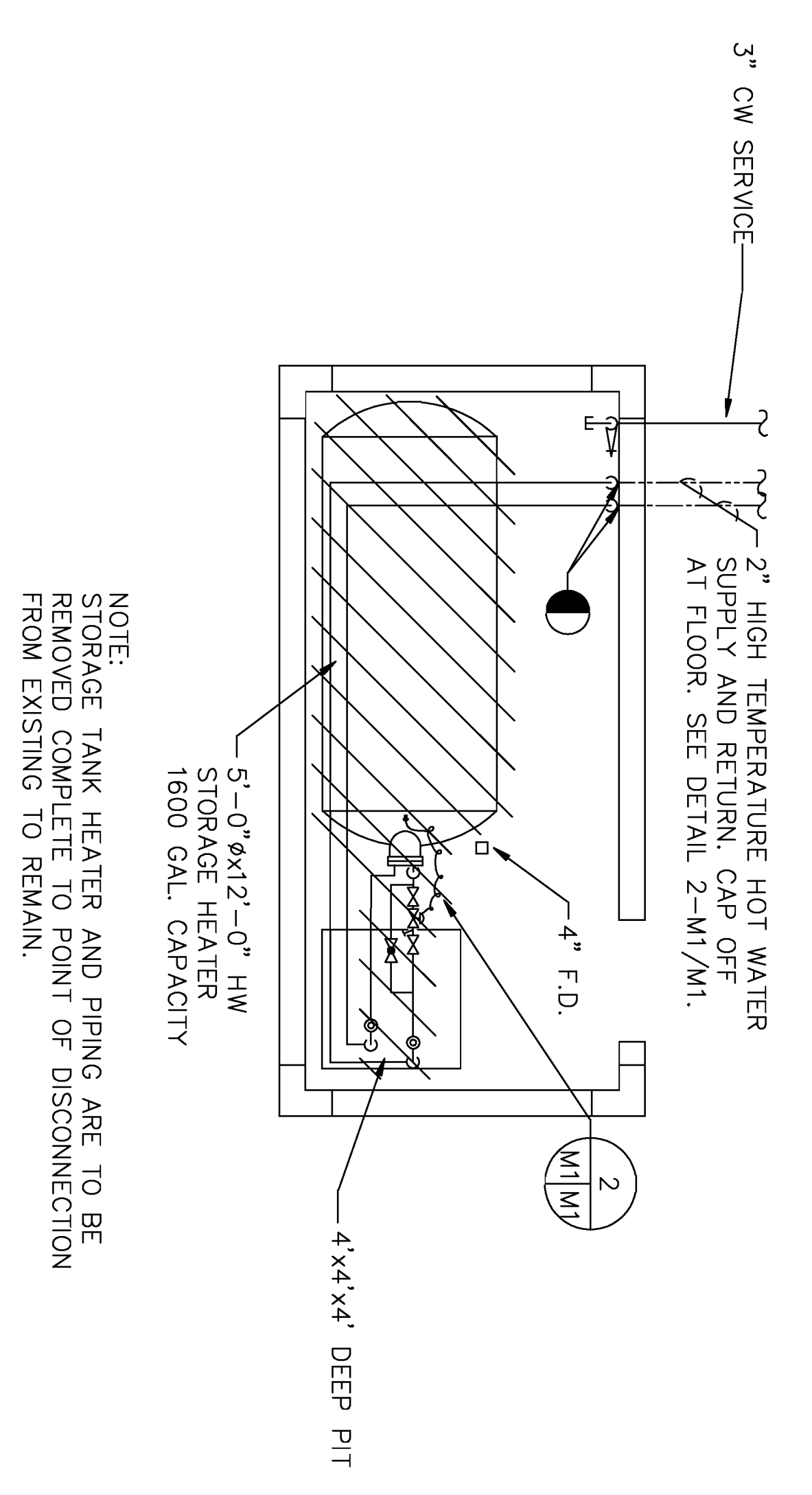


	<b>PW DWG NO.</b> <b>10988</b>	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS AIR STATION, BEAUFORT, S.C.</b> <b>REPAIRS TO COMBAT POOL</b>
	ARCH. & ENGR. FIRM SAFETY DEPARTMENT SUBMITTER TO DATE SUPV. T. VELLISARIOS DATE APPROVED DATE	
SCHEDULES AND DETAILS	NAVFAC DRAWING NO. <b>3291763</b>	<b>P5</b>
SCALE AS SHOWN	SHEET 12 OF 18	

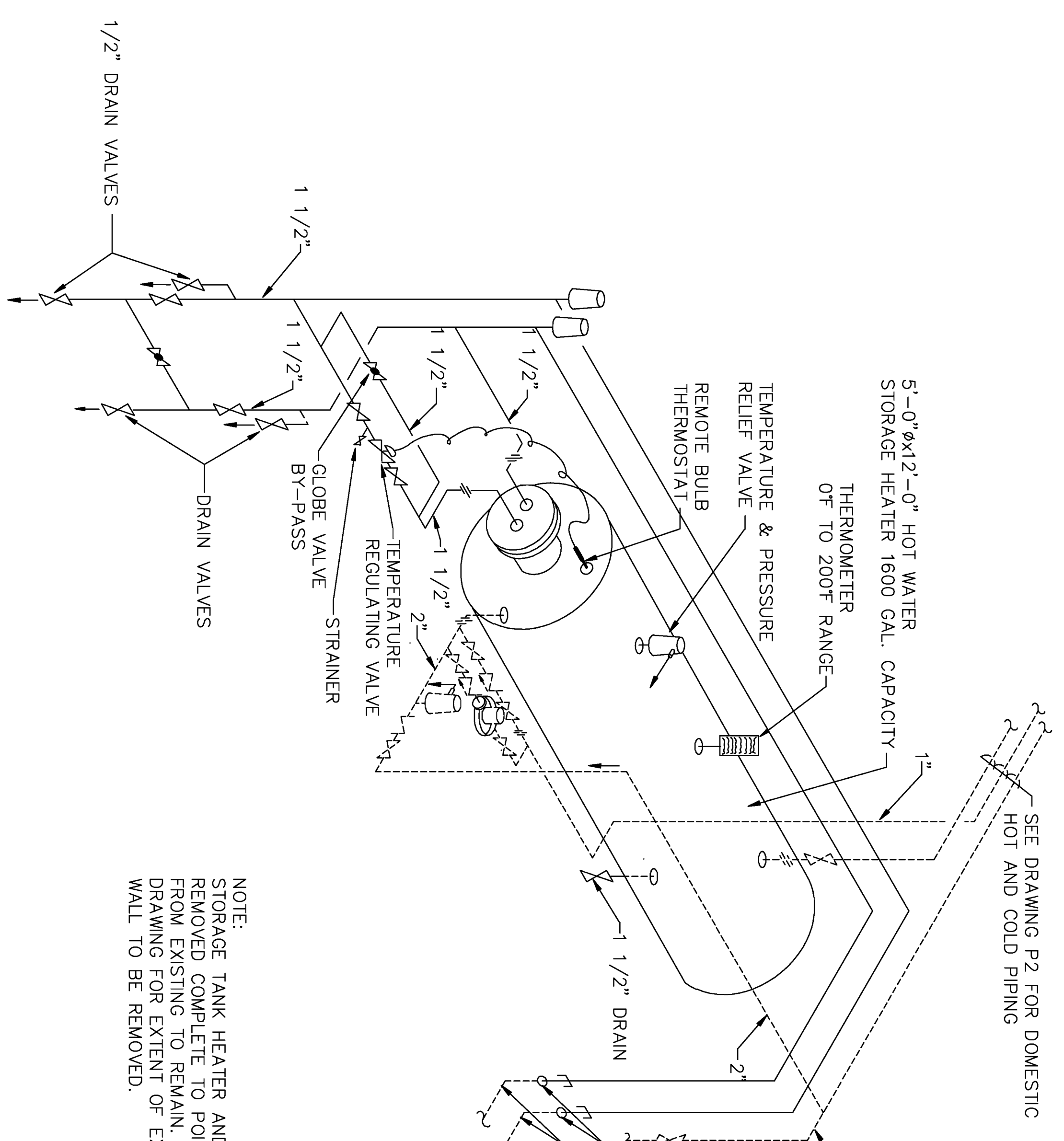
REV. NO.	DESCRIPTION	DATE	APP.



COMBAT POOL BATH HOUSE DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"



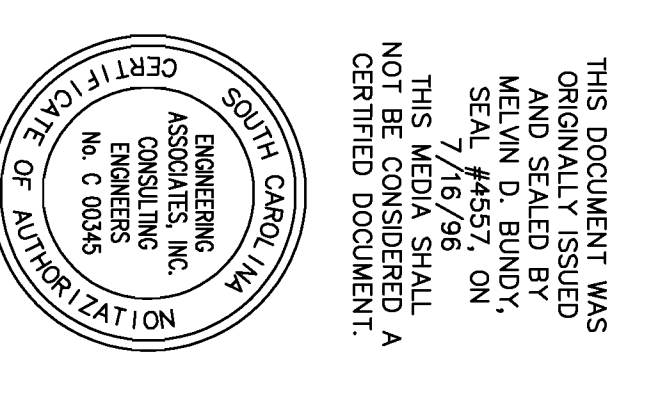
MECHANICAL ROOM PLAN  
SCALE: 1/4" = 1'-0"



MECHANICAL ROOM PIPING DEMOLITION RISER DIAGRAM  
SCALE: NONE

2" HIGH TEMPERATURE HOT WATER SUPPLY AND RETURN TO BE CAPPED OFF AT FLOOR BY CERTIFIED WELDER QUALIFIED IN ACCORDANCE WITH ASME B31.1. BEFORE ANY WELDING IS PERFORMED, THE CONTRACTOR SHALL SUBMIT WELDING PROCEDURE SPECIFICATIONS AS OUTLINED IN ASME B31.1 AND COORDINATE VALVING OFF THE SERVICE TO THE BUILDING THRU THE ROICC.

GRAPHIC SCALES  
12' 0" 1' 2" 3' 4" 5'  
10'  
1/4" = 1'-0"  
10' 2' 4' 8' 16'  
1/8" = 1'-0"



	PW DWG NO. <b>10989</b>	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS AIR STATION, BEAUFORT, S.C.</b>
	DES FRIPP DR COPE CHK BUNDY SUPV VELISSARIOS	
ARCH. & ENGR. FIRM SAFETY DEPARTMENT SAFETY TO DATE	DATE DATE	SIZE <b>F</b>
FIRE DEPARTMENT SAFETY TO DATE	APPROVED GROSSER IN CHARGE	NAVFAC DRAWING NO. <b>3291764</b>
SCALE AS SHOWN	SHEET <b>13</b> OF <b>18</b>	CONSTR. CONTR. NO. N62467-96-C-6555

M1

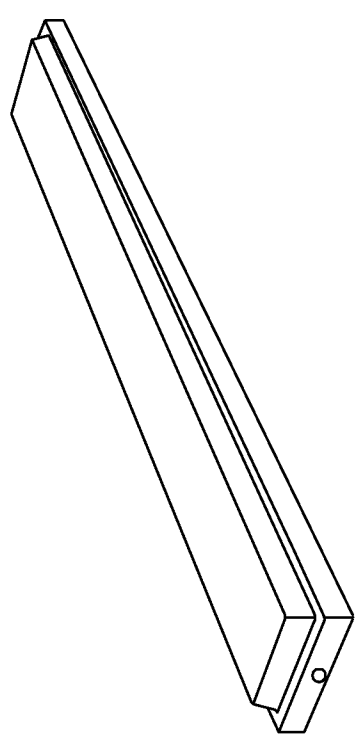


FIGURE "A" & "A1"  
SCALE: NONE

- 4' FLUORESCENT HIGH ABUSE INDUSTRIAL, 9 1/2" NOMINAL WIDTH.
- STEEL HOUSING.
- 0.156" SEAMLESS POLYCARBONATE DIFFUSER THAT COMPLETELY ENCLOSES THE FACE AND SIDES OF HOUSING. NO EXPOSED METAL SURFACES.
- DIFFUSER SECURED TO HOUSING WITH 6 TAMPER RESISTANT SCREWS.
- TYPE "A" SHALL BE U.L. LISTED FOR DAMP LOCATIONS. TYPE "A1" SHALL BE U.L. LISTED FOR WET LOCATIONS.
- ELECTRONIC BALLAST(S) WITH TOTAL HARMONIC DISTORTION < 20% POWER FACTOR > .95. U.L. LISTED CLASS P, SOUND RATED A, MAXIMUM ANSI INPUT WATTS FOR 2 LAMPS OF 82 WATTS.
- 2 - F32T8, 3500K LAMPS.
- 120V.

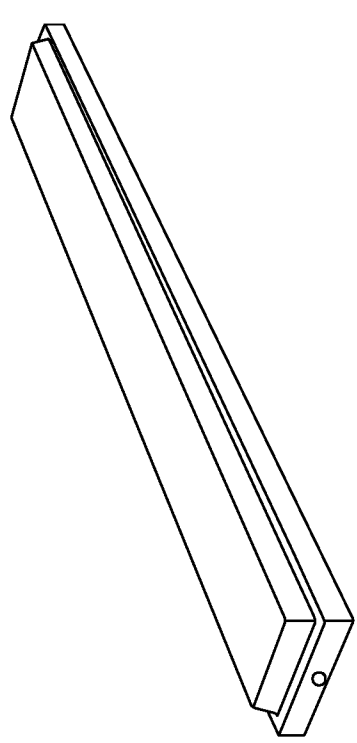


FIGURE "B"  
SCALE: NONE

- 2' FLUORESCENT HIGH ABUSE INDUSTRIAL, 9 1/2" NOMINAL WIDTH.
- STEEL HOUSING.
- 0.156" SEAMLESS POLYCARBONATE DIFFUSER THAT COMPLETELY ENCLOSES THE FACE AND SIDES OF HOUSING. NO EXPOSED METAL SURFACES.
- DIFFUSER SECURED TO HOUSING WITH 6 TAMPER RESISTANT SCREWS.
- U.L. LISTED FOR DAMP LOCATIONS.
- ELECTRONIC BALLAST(S) WITH TOTAL HARMONIC DISTORTION < 20% POWER FACTOR > .95. U.L. LISTED CLASS P, SOUND RATED A, MAXIMUM ANSI INPUT WATTS FOR 2 LAMPS OF 34 WATTS.
- 2 - F17T8, 3500K LAMPS.
- 120V.

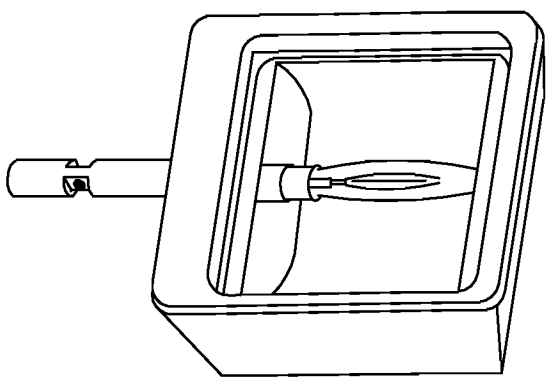


FIGURE "D"  
SCALE: NONE

- H.I.D. FLOODLIGHT.
- DIE-CAST ALUMINUM HOUSING, CUSTOM FACTORY PAINTED FINISH TO BE SELECTED BY GOVERNMENT.
- TEMPERED GLASS LENS.
- NEMA 6x5 BEAM SPREAD.
- U.L. LISTED FOR WET LOCATIONS.
- HIGH POWER FACTOR BALLAST.
- 1 - 1000 WATT METAL HALIDE LAMP.
- 208V.
- PROVIDE ONE POLE FOUNDATION AND MOUNTING ACCESSORIES FOR EVERY 2 FIXTURES. POLE SHALL BE 35' ROUND ALUMINUM DESIGNED FOR 110 MPH SUSTAINED WIND LOAD WITH 1.3 GUST FACTOR. POLE SHALL HAVE CUSTOM FACTORY PAINTED FINISH. COLOR TO BE SELECTED BY GOVERNMENT. SEE DETAIL FOR FOUNDATION REQUIREMENTS.
- PROVIDE MANUFACTURER'S FOOTCANDLE CALCULATIONS PER SPECIFICATIONS.

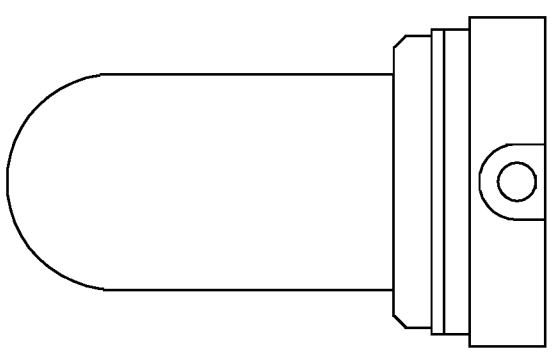


FIGURE "E"  
SCALE: NONE

- INDUSTRIAL INCANDESCENT.
- FIBERGLASS BODY AND MOUNTING BOX, POLYCARBONATE GLOBE.
- SURFACE MOUNTED.
- 1-100 WATT A19 INCANDESCENT LAMP.
- 120V.

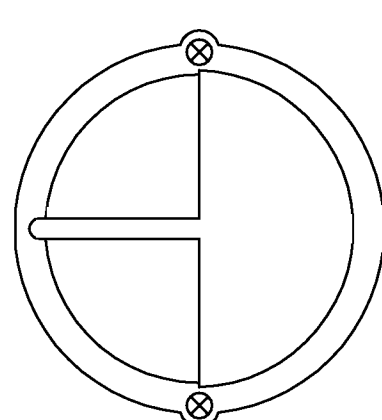
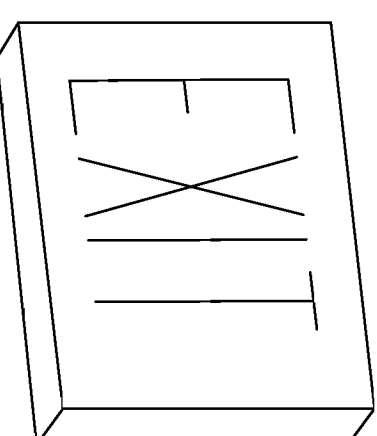


FIGURE "C"  
SCALE: NONE

- FLUORESCENT WALL BRACKET.
- 9" ROUND, 5 1/2" DEPTH.
- DIE-CAST ALUMINUM HOUSING, SHIELD AND GUARD, DARK BRONZE FINISH.
- TEMPERED FROSTED GLASS LENS, SHIELD COVERING UPPER HALF OF LENS.
- U.L. LISTED FOR WET LOCATIONS.
- HIGH POWER FACTOR BALLAST (>9), RATED FOR OFF.
- 1-13 WATT COMPACT FLUORESCENT LAMP.
- 120V.

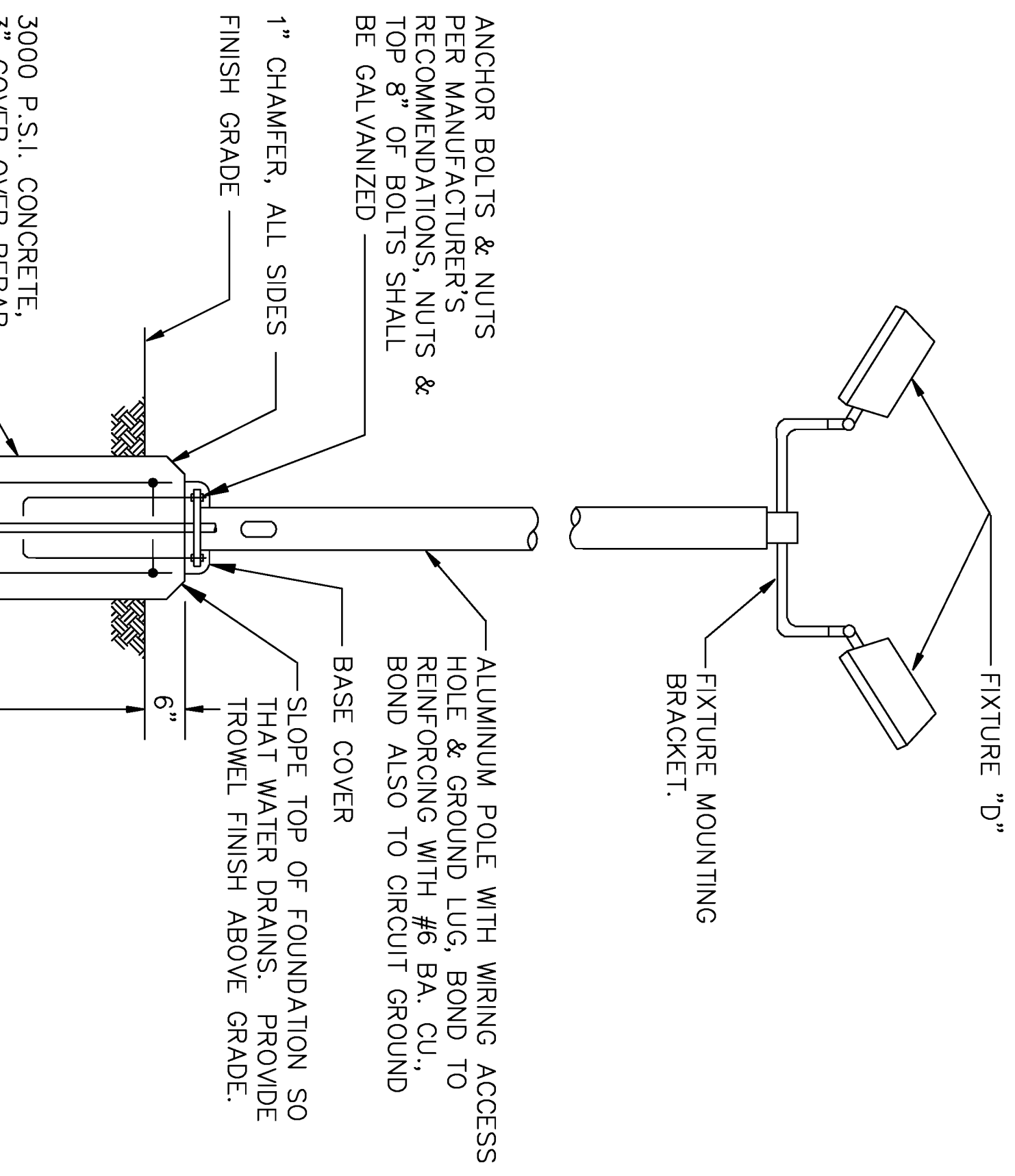


EXIT SIGN  
SCALE: NONE

- LED EXIT SIGN.
- DIE-CAST ALUMINUM CONSTRUCTION, BLACK TRIM, BRUSHED ALUMINUM STEGAL FACE WITH DIFFUSER, UNIVERSAL MOUNTING.
- 6" HIGH x 3/4" STROKE RED LETTERS.
- SINGLE OR DOUBLE FACE AND DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS.
- MEETS NFPA 101 REQUIREMENTS.
- EMERGENCY BATTERY POWER PACK FOR 90 MINUTE OPERATION WITH CHARGER, TEST SWITCH AND READY LIGHT.
- LED LAMPS TO MEET CODE REQUIREMENTS, MAXIMUM FIXTURE WATTAGE OF 6.5 WATTS PER FACE & 25 YEAR MINIMUM LAMP LIFE.
- 120V.

TYPE	DESCRIPTION
A	4' FLUORESCENT HIGH ABUSE INDUSTRIAL, DAMP RATED.
A1	4' FLUORESCENT HIGH ABUSE INDUSTRIAL, WET RATED.
B	2' FLUORESCENT HIGH ABUSE INDUSTRIAL, DAMP RATED.
C	FLUORESCENT WALL BRACKET
D	H.I.D. FLOODLIGHT
E	INDUSTRIAL INCANDESCENT
EXIT	LED EXIT SIGN
EMERG. LIGHTING UNIT	SELF CONTAINED UNIT WITH BATTERY PACK AND 2 LAMP HEADS.

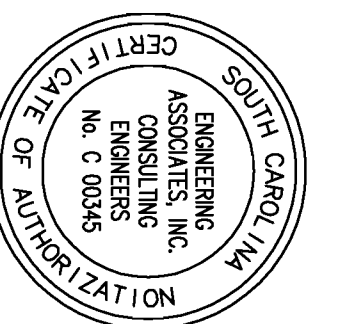
LIGHT FIXTURE SCHEDULE (SEE DETAILS)



POLE FOUNDATION DETAIL  
SCALE: NONE

- THERMOPLASTIC HOUSING, IVORY WHITE FINISH.
- MAINTENANCE-FREE LEAD CALCIUM BATTERY.
- SOLID-STATE CHARGER, TEST SWITCH, CHARGE LIGHT, AUTOMATIC LOW-VOLTAGE DISCONNECT TO PROTECT BATTERY FROM DEEP DISCHARGE.
- WALL MOUNTED 12" BELOW CEILING BUT NO HIGHER THAN 10' A.F.F.
- 2-7.2 WATT T-5 TUNGSTEN LAMPS.
- 120V.

THIS DOCUMENT WAS ORIGINALLY ISSUED AND SEALED BY SEAL #1788 ON THIS DATE 7/16/98. THIS DOCUMENT IS NOT TO BE CONSIDERED A CERTIFIED DOCUMENT.



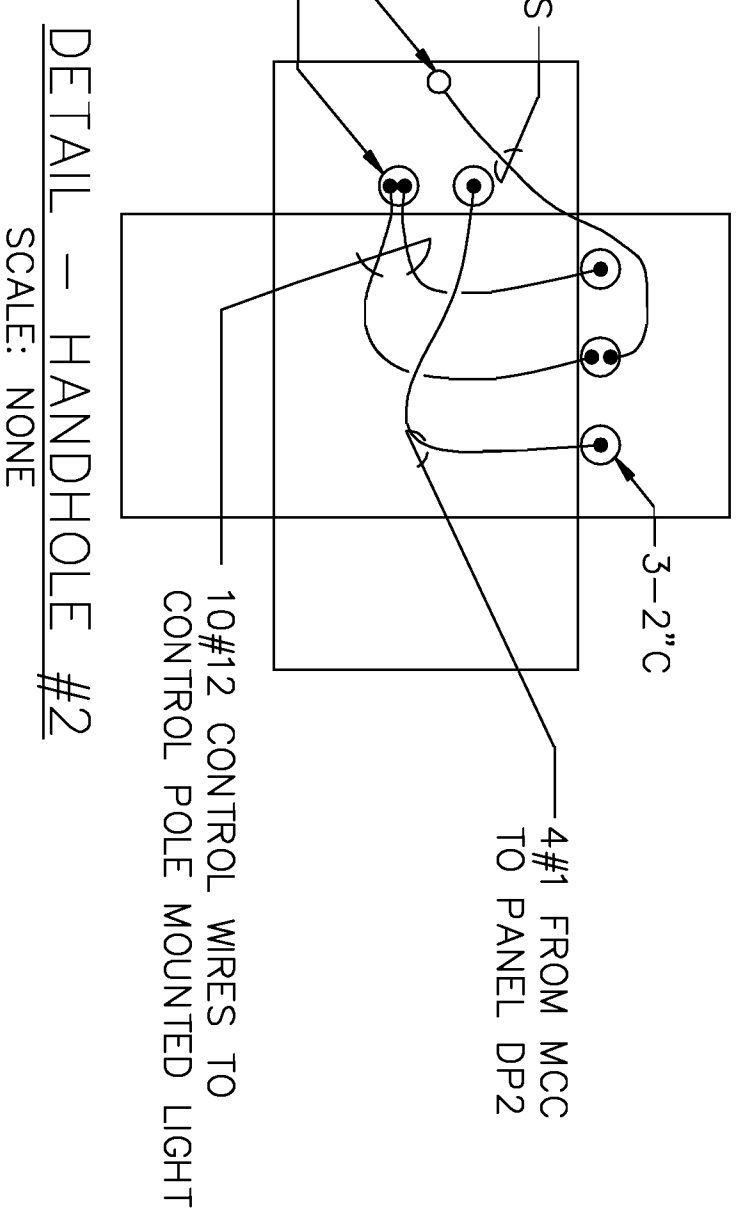
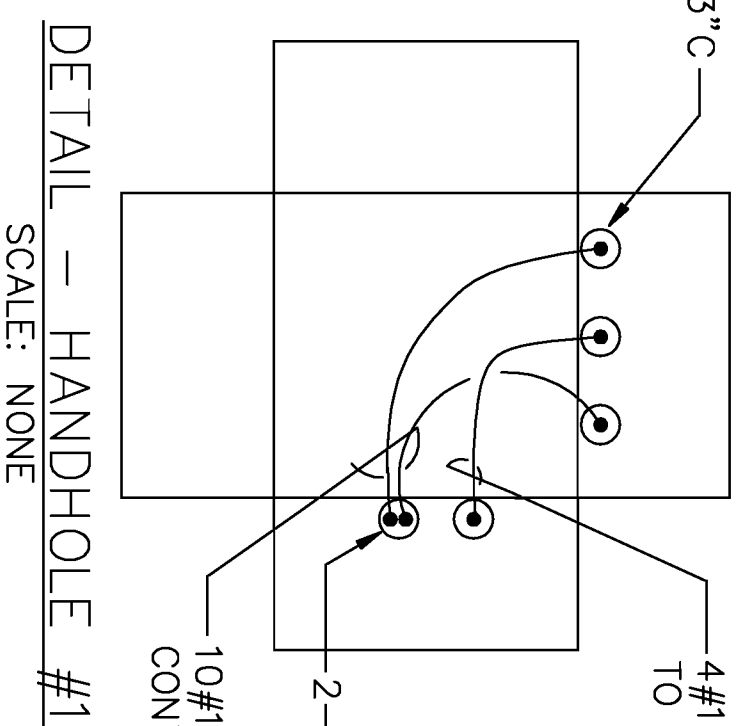
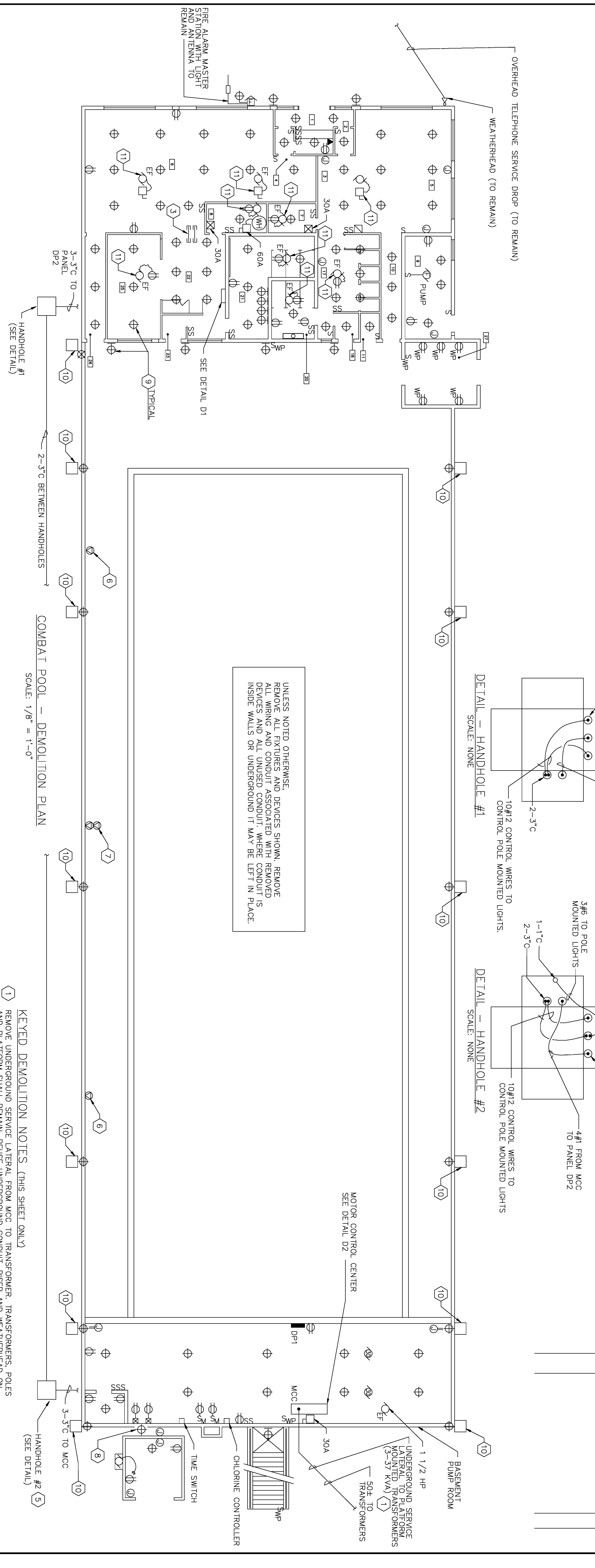
REV. NO.	DESCRIPTION	DATE	APP.

LEGEND  
ENGLOSED FLUORESCENT FIXTURE, LETTER INDICATES TYPE, APPROXIMATE DIMENSIONS AS INDICATED.

- ⊙ A CEILING MOUNTED FIXTURE, LETTER INDICATES TYPE.
- ⊙ A WALL MOUNTED FIXTURE, LETTER INDICATES TYPE.
- ⊙ A FLOODLIGHT/SPOTLIGHT TYPE FIXTURE, LETTER INDICATES TYPE.
- ⊙ A EXIT SIGN, BLACKENED AREAS INDICATE FACE(S).
- ⊙ A DIRECTIONAL ARROWS AS INDICATED.
- ⊙ A EMERGENCY LIGHTING UNIT WITH NUMBER OF HEADS INDICATED.
- S SWITCH, 20 AMP, 120-277V, AC (48" A.F.F. UNLESS NOTED OTHERWISE), SUBSCRIPT: NONE - SINGLE POLE, M - MOMENTARY CONTACT (3 POSITION, CENTER OFF) WP - WEATHERPROOF
- ⊙ DISCONNECT SWITCH, UNLESS NOTED OTHERWISE RATING SHALL BE 30 AMP/2 POLE/NEHA 1/NON FUSED (30/2/1/NF), 20AF - INDICATES 20 AMP FUSE. (FUSES SHALL BE DUAL ELEMENT, TIME DELAY, CURRENT LIMITING).
- ⊙ MAGNETIC MOTOR STARTER, SIZED TO MATCH MOTOR PROVIDED.
- ⊙ COMBINATION MAGNETIC MOTOR STARTER, SIZED TO MATCH MOTOR PROVIDED.
- ⊙ LIGHTING CONTACTOR.
- ⊙ ELECTRIC MOTOR, NUMBER, WHERE INCLUDED, INDICATES HORSEPOWER, (PROVIDED UNDER DIV. 15 - WIRED UNDER DIV. 16).
- ⊙ DUPLEX RECEPTACLE OUTLET, 20 AMP, 125V AC, 2 POLE, 3 WIRE, GROUNDING (18" A.F.F. UNLESS NOTED OTHERWISE), SUBSCRIPT: WP - WEATHERPROOF
- ⊙ DUPLEX RECEPTACLE OUTLET, SEE ABOVE, MOUNT 6" ABOVE COUNTER.
- ⊙ DUPLEX RECEPTACLE OUTLET, SEE ABOVE, GROUND FAULT CIRCUIT INTERRUPTER (GFCI).
- ⊙ DUPLEX RECEPTACLE OUTLET, SEE ABOVE, GFCI, MOUNT 6" ABOVE COUNTER.
- ⊙ SPECIAL RECEPTACLE, TYPE AS INDICATED.
- ⊙ JUNCTION BOX COORDINATE WITH EQUIPMENT (18" A.F.F. UNLESS NOTED OTHERWISE).
- ⊙ TELEPHONE OUTLET, 4"x4"x1 1/2" BOX WITH SINGLE GANG EXTENSION RING (18" A.F.F. UNLESS NOTED OTHERWISE).
- ⊙ TELEPHONE OUTLET, SEE ABOVE, MOUNT 6" ABOVE COUNTER.
- ⊙ POWER PANEL "P1".
- ⊙ TELEPHONE BACKBOARD "TB1".
- 21 NUMBER BESIDE DEVICE INDICATES BRANCH CIRCUIT.
- P1-21 INDICATES BRANCH CIRCUIT 21 TO PANEL "P1".
- ⊙ GROUNDING CONNECTION/DEVICE.
- BRANCH CIRCUIT, ARROW INDICATES HOMERUN, CROSS LINES INDICATE NUMBER OF CONDUCTORS, GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED IN ALL CIRCUITS (2#12, #12G, 1/2" C UNLESS NOTED OTHERWISE).
- ⊙ FLEXIBLE CONDUIT EQUIPMENT CONNECTION (WITH CIRCUIT CONDUCTORS).
- ⊙ KEYED DEMOLITION NOTE IDENTIFIER
- ⊙ KEYED RENOVATION NOTE IDENTIFIER

	<b>PW DWG NO.</b> <b>10990</b>	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS AIR STATION, BEAUFORT, S.C.</b> <b>REPAIRS TO COMBAT POOL</b> <b>DETAILS AND LEGEND</b>
	<b>DES</b> ALLEN <b>DR</b> R. THORNTON <b>CHK</b> ALLEN <b>SUPV</b> T. VELLISARIOS DATE: _____ DATE: _____ DATE: _____	

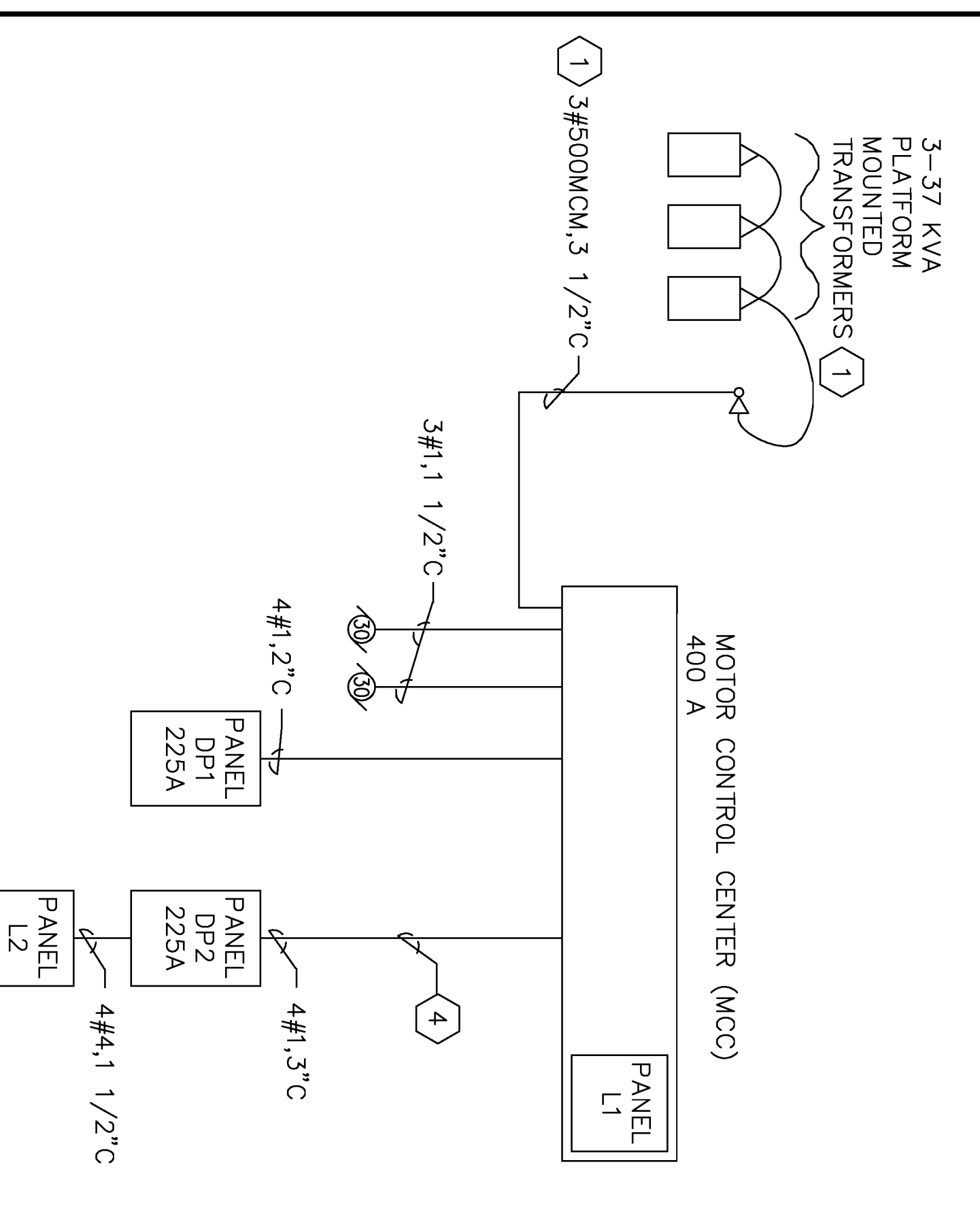
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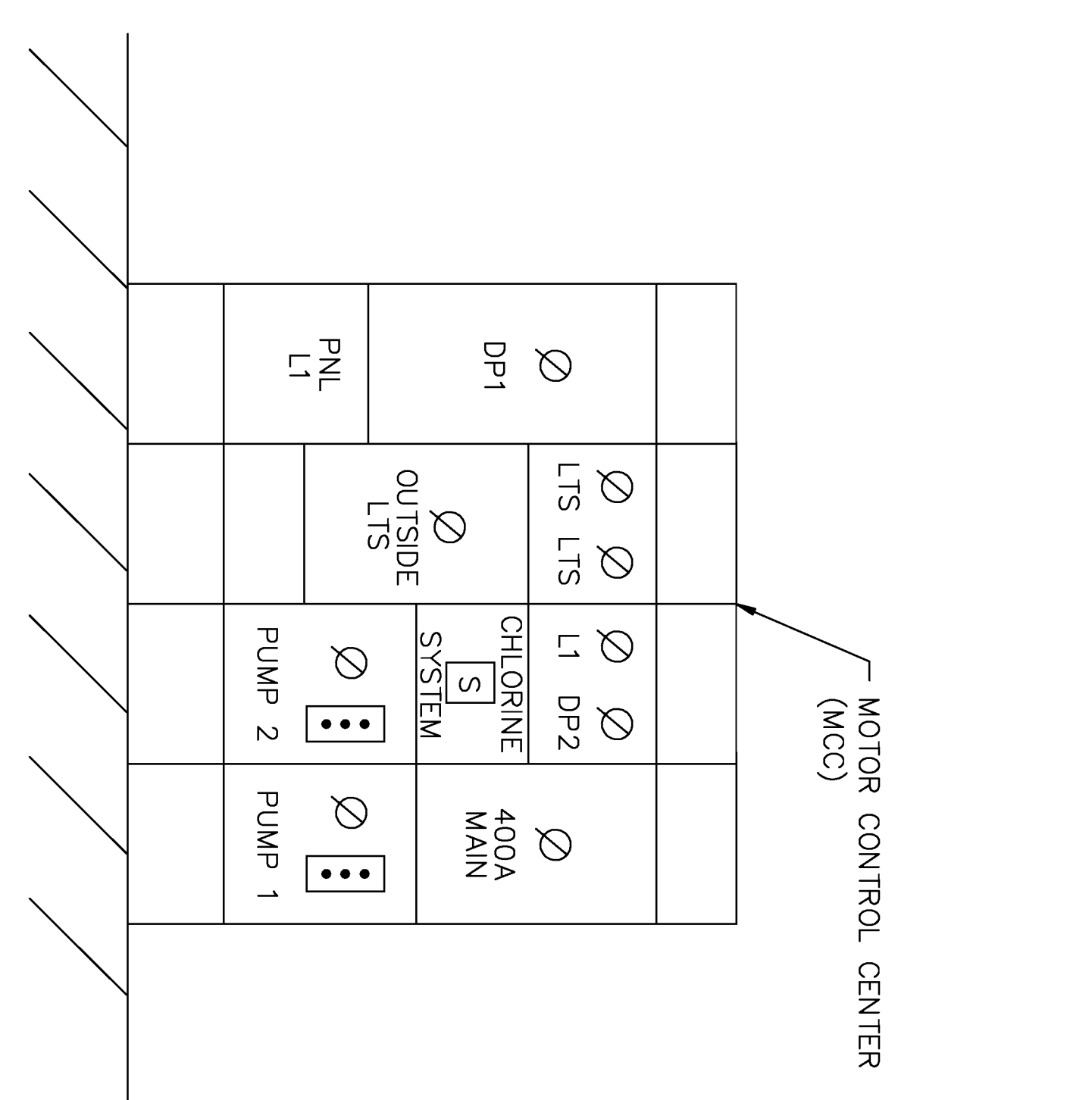
COMBAT POOL - DEMOLITION PLAN  
SCALE: 1/8" = 1'-0"

**KEYED DEMOLITION NOTES (THIS SHEET ONLY)**

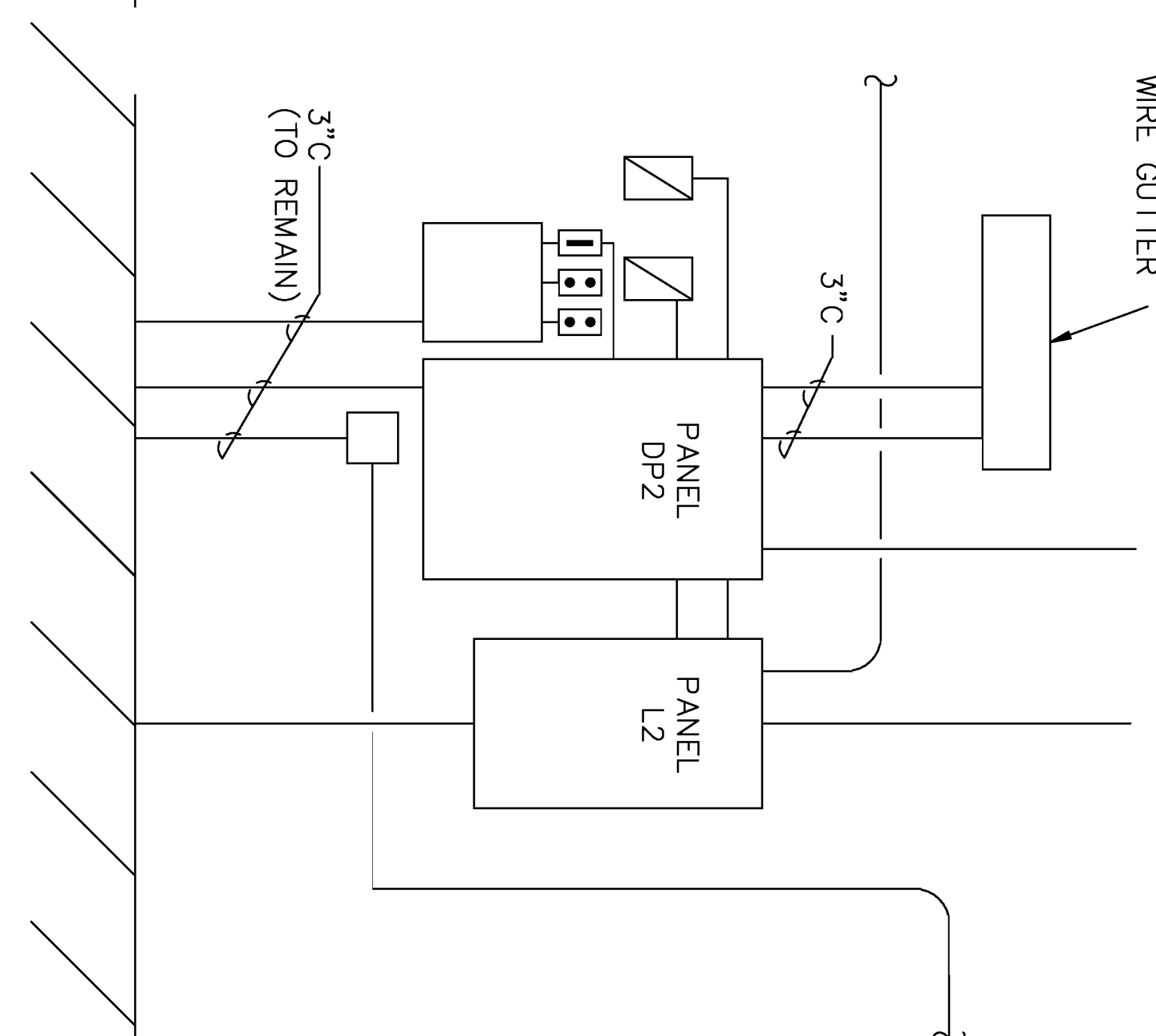
- 1 REMOVE UNDERGROUND SERVICE LATERAL FROM MCC TO TRANSFORMER, TRANSFORMERS, POLES AND PLATFORM SHALL REMAIN. REUSE UNDERGROUND CONDUIT, RISER AND WEATHERHEAD ON POLE.
- 2 REMOVE MCC, PANELS AND CIRCUITS (WIRE AND CONDUIT) UNLESS NOTED OTHERWISE.
- 3 SEVERAL 3/4" CONDUITS PENETRATE CONCRETE BEAM AT THIS LOCATION. CONDUIT PENETRATIONS TO FIRST JOINT ON EITHER SIDE OF BEAM MAY BE REUSED.
- 4 REMOVE WIRES FROM MCC TO PANEL DP2. CIRCUIT IS ROUTED THRU HANDHOLES. CONDUIT AND HANDHOLES TO REMAIN.
- 5 REMOVE 12"± OF WUD/DIRT IN BOTTOM OF HANDHOLE. CLEAN CONDUIT BETWEEN HANDHOLES AND INTO BLDGS BEFORE REUSE.
- 6 20A, 125/250V RECEPTACLE, MOUNTED ON 24" PIPE SUPPORT. REMOVE BOX, RECEPTACLE AND WIRING. PIPE SUPPORT AND CONDUIT SHALL REMAIN FOR REUSE.
- 7 20A, 125/250V RECEPTACLE AND 20A, 250V RECEPTACLE MOUNTED ON 24" PIPE SUPPORT. REMOVE BOXES, RECEPTACLES AND WIRING. PIPE SUPPORT AND CONDUIT SHALL REMAIN FOR REUSE.
- 8 INDUSTRIAL INCANDESCENT FIXTURE WITH RED GLOBE. FIXTURE IS A CHLORINE SYSTEM WARNING LIGHT. IT AND ITS WIRING SHALL BE LEFT IN PLACE.
- 9 UNLESS SHOWN OTHERWISE ALL LIGHT FIXTURES ARE INCANDESCENT WITH LAMPS OF 100 WATTS OR SMALLER.
- 10 1500 WATT FLOODLIGHT ON 24" STEEL POLE WITH 20"x20"x6" CONCRETE FOUNDATION. REMOVE FLOODLIGHT, POLE, FOUNDATION AND CIRCUIT. TURN FLOODLIGHTS OVER TO GOVERNMENT. DELIVER WITHIN 2 MILE RADIUS OF SITE AS DIRECTED BY CONTRACTING OFFICER.
- 11 DISCONNECT AND EXHAUST FAN SHALL REMAIN. REMOVE CIRCUIT (WIRE AND CONDUIT).



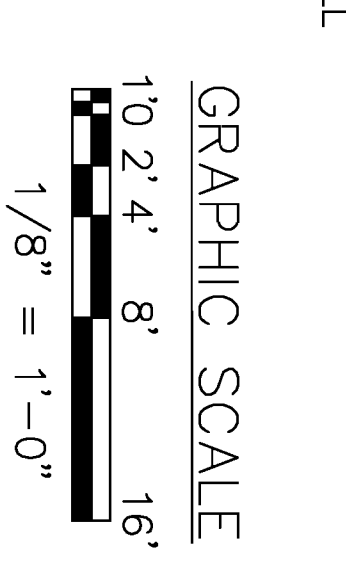
EXISTING RISER  
SCALE: NONE



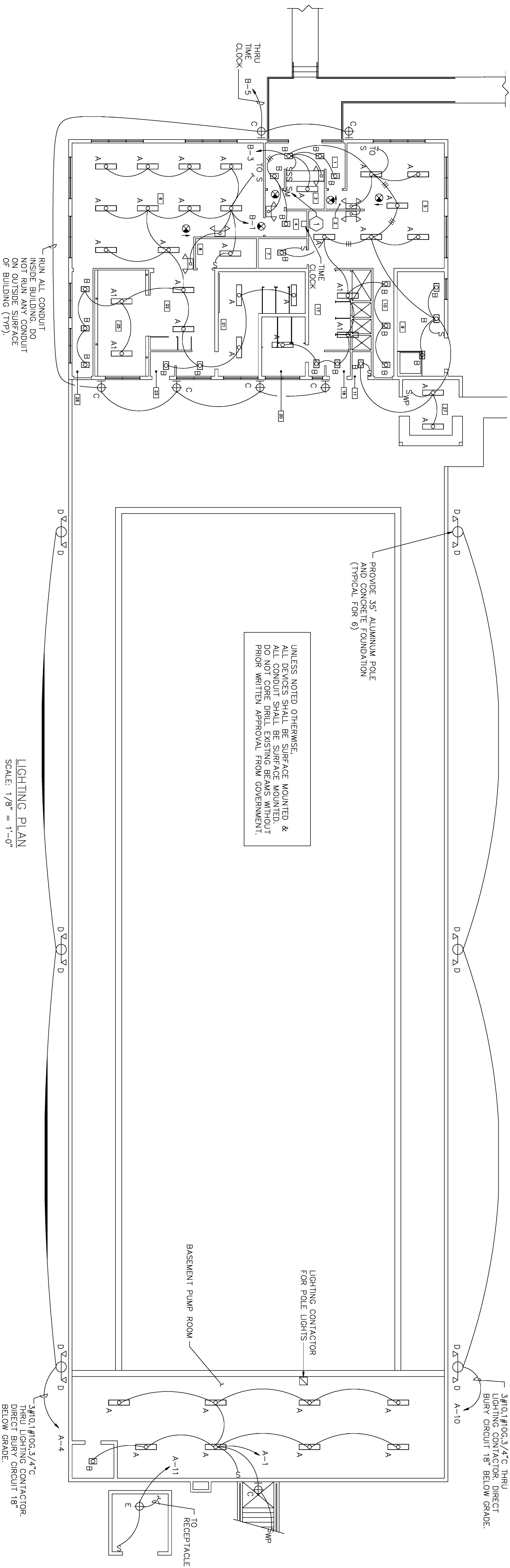
DETAIL D2  
SCALE: NONE



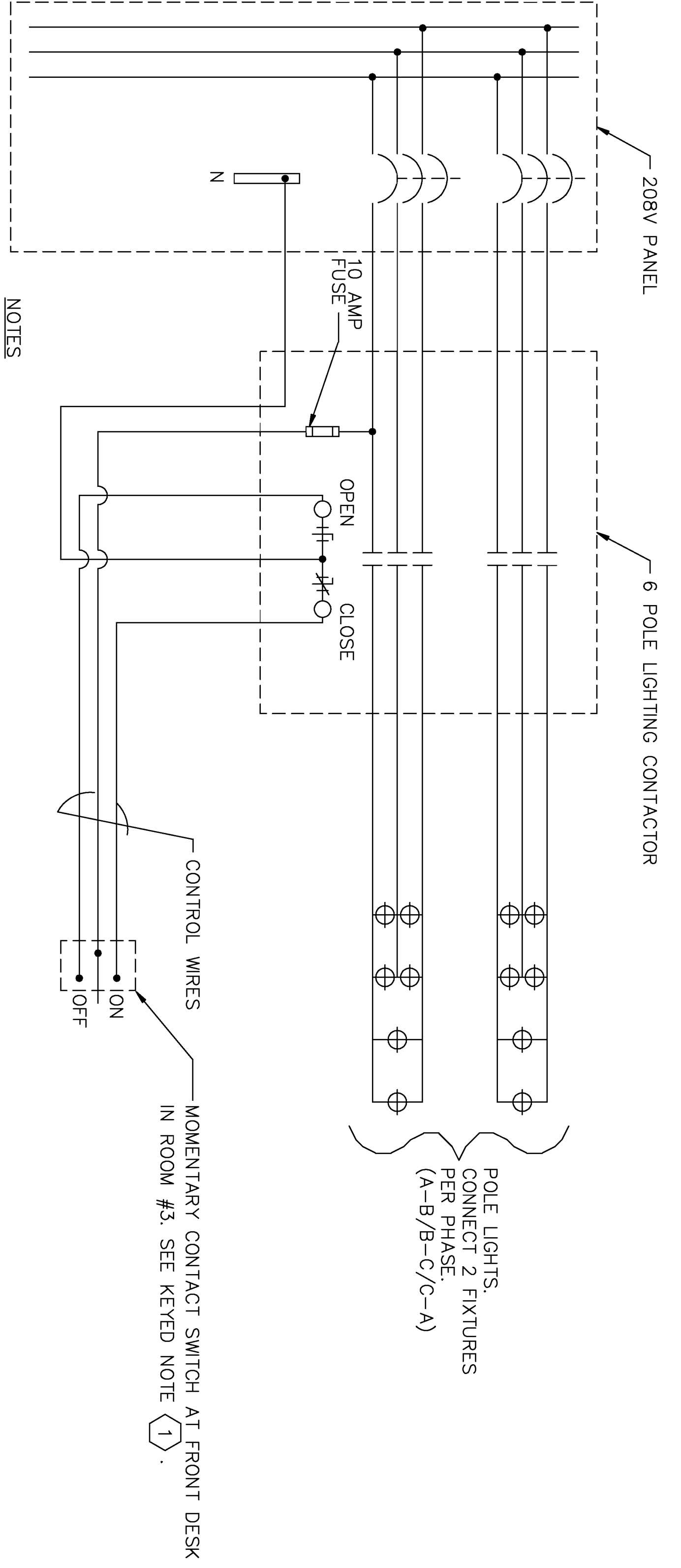
DETAIL D1  
SCALE: NONE



<b>ENGINEERING ASSOCIATES, INC.</b> REGISTERED PROFESSIONAL ENGINEER NO. 7198 STATE OF CALIFORNIA		<b>ARCHITECTS, INC.</b> REGISTERED PROFESSIONAL ARCHITECT NO. 80045 STATE OF CALIFORNIA	
<b>PW DWG NO.</b> 10991	<b>DES</b> ALLEN	<b>DR</b> R. THORNTON	<b>CHK</b> ALLEN
<b>ARCH. &amp; ENGR. FIRM</b> SAFETY DEPARTMENT 5415/4200 W. 14TH ST. SUITE 204 OAKLAND, CA 94612	<b>DATE</b> 10/24/16	<b>DATE</b> 10/24/16	<b>DATE</b> 10/24/16
<b>DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND</b> <b>MARINE CORPS AIR STATION, BEAUFORT, S.C.</b> <b>REPAIRS TO COMBAT POOL</b>		<b>DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND</b> <b>MARINE CORPS AIR STATION, BEAUFORT, S.C.</b> <b>REPAIRS TO COMBAT POOL</b> <b>DEMOLITION PLAN AND DETAILS</b>	
<b>APPROVED</b> [Signature]	<b>DATE</b> 10/24/16	<b>DATE</b> 10/24/16	<b>DATE</b> 10/24/16
<b>SIZE</b> F	<b>CODE IDENT. NO.</b> 80091	<b>NAVAC DRAWING NO.</b> 5291766	<b>CONSTR. CONTR. NO.</b> 162467-96-C-6555
<b>SCALE</b> AS SHOWN	<b>SHEET</b> 15 OF 18	<b>SPEC.</b> 06-96-6555	<b>SHEET</b> 15 OF 18

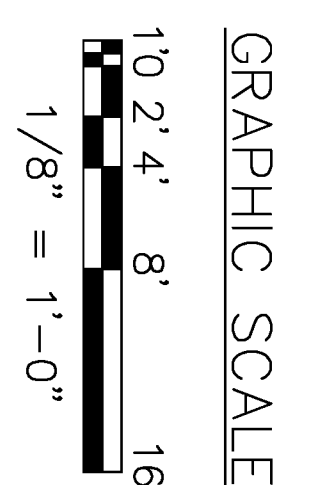


LIGHTING PLAN  
SCALE: 1/8" = 1'-0"



- NOTES
- LIGHTING CONTACTOR SHALL BE 6 POLE, MECHANICALLY HELD, WITH 30 AMP, 240 VOLT CONTACTS, 120 VOLT COIL, AND COIL CLEARING CONTACTS. CONTACTORS SHALL HAVE FEATURE TO ALLOW MANUAL OPERATION.
  - MOMENTARY CONTACT SWITCHES SHALL BE 15A, 120-277V, 3 POSITION, SINGLE POLE, DOUBLE THROW, CENTER OFF.

LIGHTING CONTACTOR CONTROL DIAGRAM  
SCALE: NONE



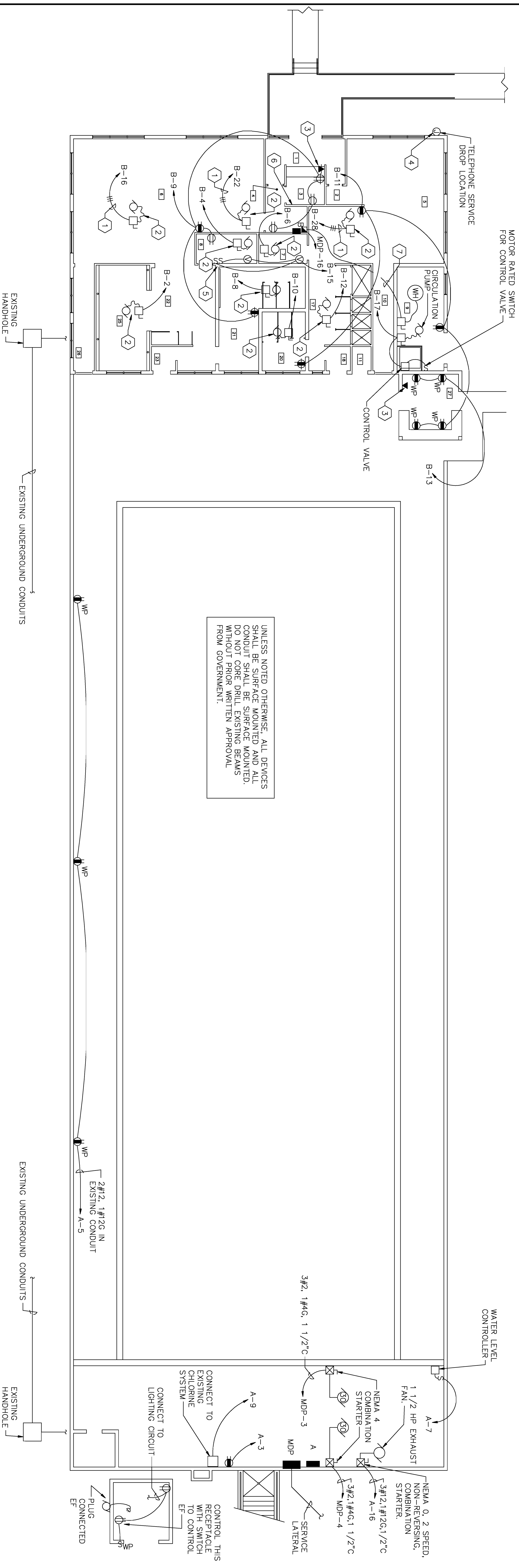
- KEYED NOTES (THIS SHEET ONLY)
- SWITCH TO CONTROL LIGHTING CONTACTOR FOR POLE LIGHTS. ROUTE CONTROL WIRES THRU EXISTING HANDHOLES AND EXISTING UNDERGROUND CONDUITS FROM SWITCH AT FRONT DESK TO LIGHTING CONTACTOR IN BASEMENT PUMP ROOM. SEE CONTROL DIAGRAM.
  - PROVIDE A DEDICATED EXIT LIGHT CIRCUIT (2#12, 1#2G, 1/2"Ø). CONNECT EXIT LIGHTS AND CONNECT TO CIRCUIT B-7.



		<b>ENGINEERING ASSOCIATES, INC.</b> 10992 DWG NO. 10992		DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS AIR STATION, BEAUFORT, S.C.	
ARCH. & ENGR. FIRM	DR. BLEWER	CHK. ALLEN	APPROVED	DATE	SCALE AS SHOWN
SAFETY DEPARTMENT	SUPV. T. VELISSARIOS	SATISFACTORY TO	DATE	DATE	SIZE CODE IDENT. NO.
FIRE DEPARTMENT	DATE	DATE	DATE	DATE	80091
					NAVAC DRAWING NO. 5291767
					CONSTR. CONTR. NO. N62467-96-C-6555
					SHEET 16 OF 18

F3

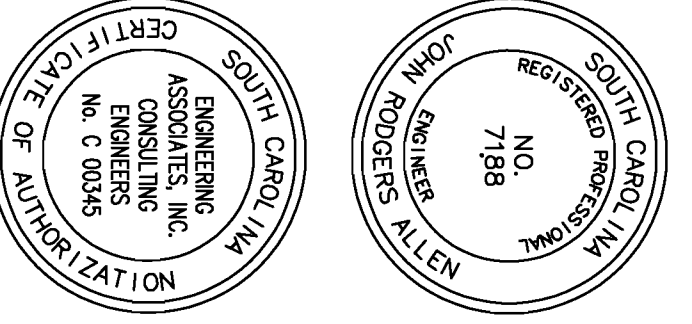
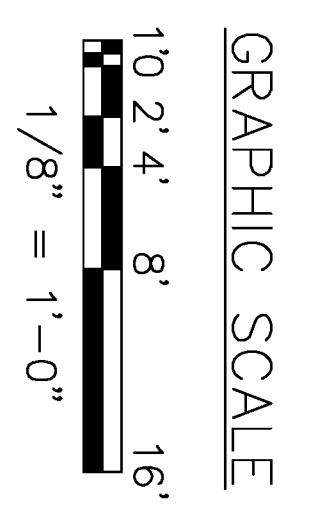
REV. NO.	DESCRIPTION	DATE	APP.



UNLESS NOTED OTHERWISE, ALL DEVICES SHALL BE SURFACE MOUNTED AND ALL CONDUIT SHALL BE SURFACE MOUNTED. DO NOT CORE DRILL EXISTING BEAMS WITHOUT PRIOR WRITTEN APPROVAL FROM GOVERNMENT.

COMBAT POOL - POWER PLAN  
SCALE: 1/8" = 1'-0"

- KEYED NOTES (THIS SHEET ONLY)**
- 1 3#12, 1#12G, 1/2" C
  - 2 PROVIDE NEW CIRCUIT TO EXISTING DISCONNECT AND EXHAUST FAN.
  - 3 PROVIDE 3/4" C FROM TELEPHONE OUTLET TO TELEPHONE SERVICE DROP LOCATION AND CONNECT TO TELEPHONE JUNCTION BOX.
  - 4 PROVIDE A 12"x12"x6" FIBERGLASS WEATHERPROOF JUNCTION BOX WITH HINGED COVER FOR TELEPHONE SERVICE MOUNT 12" ABOVE GRADE.
  - 5 PROVIDE 2 WALL SWITCHES TO CONTROL 2 SOLENOID VALVES.
  - 6 PROVIDE 3-3 POLE MANUAL MOTOR STARTERS TO CONTROL EXHAUST FANS ON CIRCUITS B-16, 22 AND 28. PROVIDE 6-1 POLE MANUAL MOTOR STARTERS TO CONTROL EXHAUST FANS ON CIRCUITS B-2, 4, 6, 8, 10 AND 12. MANUAL MOTOR STARTERS SHALL BE RATED FOR 1 HP OR GREATER AND HAVE A PILOT LIGHT.
  - 7 SEE POWER RISER OF CIRCUIT AND DEVICE DESCRIPTION.



	PW DWG NO.	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
	10993	MARINE CORPS AIR STATION, BEAUFORT, S.C.
ARCH. & ENGR. FIRM	DR. BLEWER	REPAIRS TO COMBAT POOL
SAFETY DEPARTMENT	CHK. ALLEN	
SUBJECT TO DATE	DATE	POWER PLAN
SAFETY FACTORY TO	DATE	
FIRE DEPARTMENT	APPROVED	SIZE CODE IDENT. NO. NAVFAC DRAWING NO.
SUBMITTAL TO DATE	DATE	80091
		CONSTR. CONTR. NO. N62467-96-C-6555
		SCALE AS SHOWN SPEC. 06-96-6555 SHEET 17 OF 18

E4

PANEL MDP SURFACE  TOTAL SPACES 24

400 AMP MAINS 400 AMP MAIN BKR

208Y/120 V, 3 PH, 4 W, 60 HZ, 400 AMP MAIN BKR

ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 22,000 AMPS. PANEL SHALL BE PROVIDED WITH SEPARATE GROUND BUS.

CKT No.	LOAD DESCRIPTION	BREAKERS POLE AMP	KVA	BREAKERS AMP POLE	LOAD DESCRIPTION	CKT No.
1	LTS	1	.7	20	EXHAUST FAN	2
3	PUMP 1	3	31.0	225	PUMP 2	4
5	POOL DECK RECP	1	.2	20	EXHAUST FAN	6
7	CONTROL	1	.5	20	EXHAUST FAN	8
9	PANEL A	3	19.3	100	PANEL B	10
11	CHLORINE SHED	1	.7	20	EXHAUST FAN	12
13	SPACE	1				14
15	SPACE	3			WATER HEATER	16
17	SPACE	1				18
19	SPACE	1				20
21	SPACE	1				22
23	SPACE	1				24
24	SPACE	3				
TOTAL CONNECTED LOAD 118 KVA						

PANEL A SURFACE  TOTAL SPACES 30

100 AMP MAINS 100 AMP MAINS

208Y/120 V, 3 PH, 4 W, 60 HZ, 100 AMP MAINS

ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 22,000 AMPS. PANEL SHALL BE PROVIDED WITH SEPARATE GROUND BUS.

CKT No.	LOAD DESCRIPTION	BREAKERS POLE AMP	KVA	BREAKERS AMP POLE	LOAD DESCRIPTION	CKT No.
1	LTS	1	.7	20	EXHAUST FAN	2
3	RECP	1	.2	20	EXHAUST FAN	4
5	POOL DECK RECP	1	.6	20	EXHAUST FAN	6
7	CONTROL	1	.5	20	EXHAUST FAN	8
9	CHLORINE SHED	1	.5	20	EXHAUST FAN	10
11	CHLORINE SHED	1	.7	20	EXHAUST FAN	12
13	SPACE	1				14
15	SPACE	1				16
17	SPACE	1				18
19	SPACE	1				20
21	SPACE	1				22
23	SPACE	1				24
25	SPACE	1				26
27	SPACE	1				28
29	SPACE	1				30
TOTAL CONNECTED LOAD 19.3 KVA						

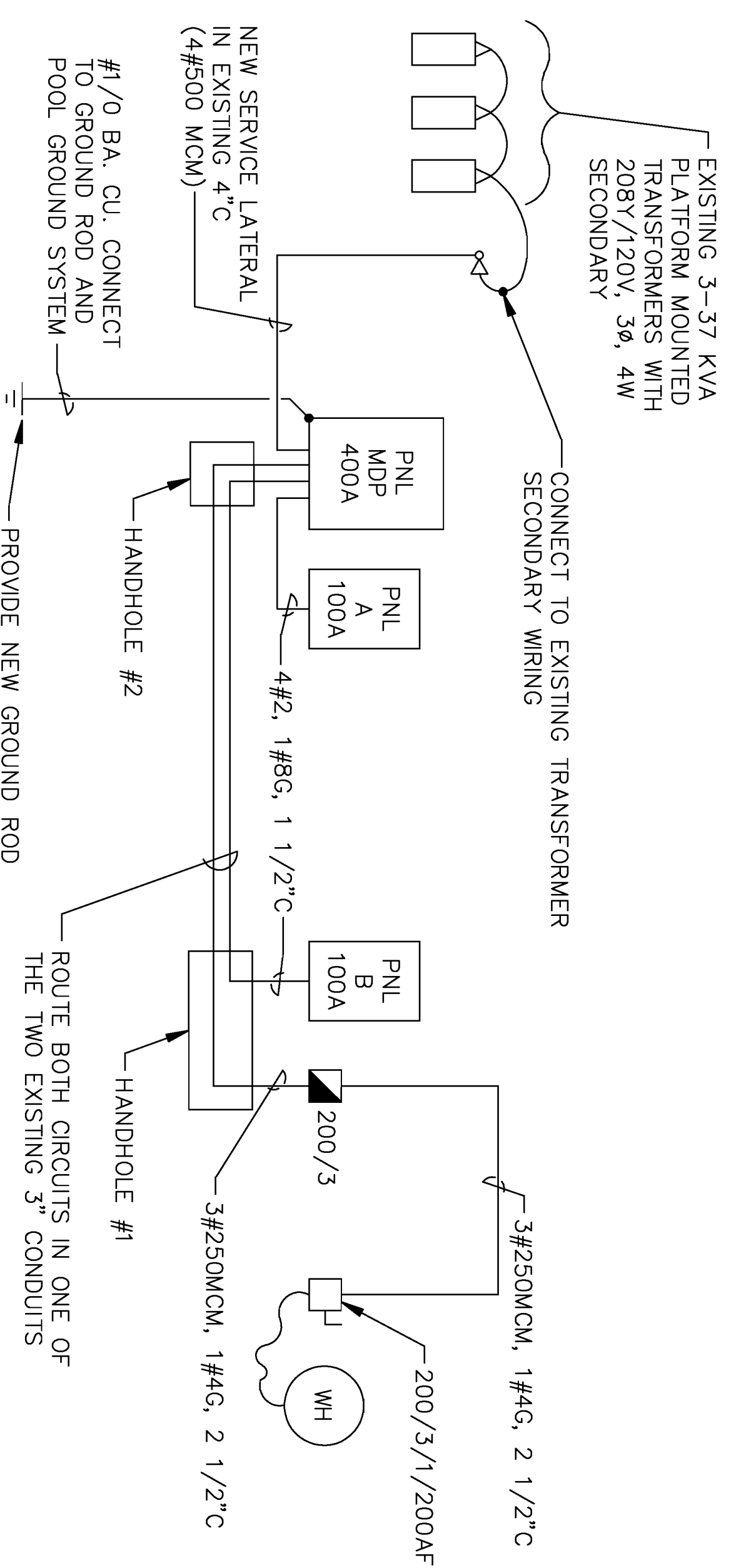
PANEL B SURFACE  TOTAL SPACES 42

100 AMP MAINS 100 AMP MAIN BKR

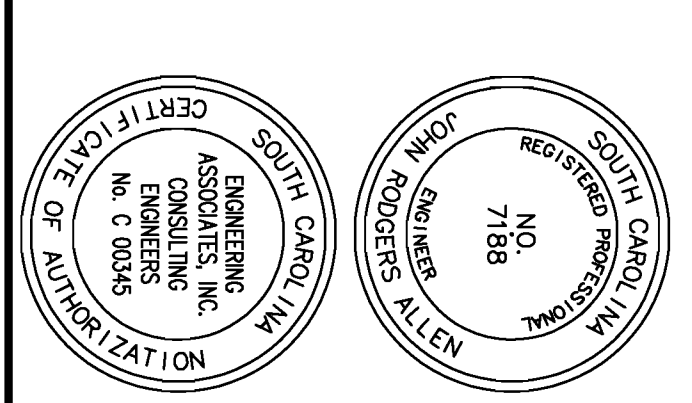
208Y/120 V, 3 PH, 4 W, 60 HZ, 100 AMP MAIN BKR

ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 10,000 AMPS. PANEL SHALL BE PROVIDED WITH SEPARATE GROUND BUS.

CKT No.	LOAD DESCRIPTION	BREAKERS POLE AMP	KVA	BREAKERS AMP POLE	LOAD DESCRIPTION	CKT No.
1	LTS (MENS)	1	1.5	20	EXHAUST FAN	2
3	LTS (WOMENS)	1	1.4	20	EXHAUST FAN	4
5	LTS (OUTSIDE)	1	.7	20	EXHAUST FAN	6
7	LTS (EXIT)	1	.1	20	EXHAUST FAN	8
9	RECEPTACLES	1	1.2	20	EXHAUST FAN	10
11	RECEPTACLES	1	1.0	20	EXHAUST FAN	12
13	RECEPTACLES	1	.4	20	EXHAUST FAN	14
15	SOLENOID VALVES	1	.1	20	EXHAUST FAN	16
17	SOLENOID VALVES	1	1.2	20	EXHAUST FAN	18
19	SPACE	1				20
21	SPACE	1				22
23	SPACE	1				24
25	SPACE	1				26
27	SPACE	1				28
29	SPACE	1				30
31	SPACE	1				32
33	SPACE	1				34
35	SPACE	1				36
37	SPACE	1				38
39	SPACE	1				40
41	SPACE	1				42
TOTAL CONNECTED LOAD 13.7 KVA						



E5



		<b>PW DWG NO.</b> <b>10994</b>		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS AIR STATION, BEAUFORT, S.C.</b>	
ARCH. & ENGR. FIRM SAFETY DEPARTMENT SAFETY FACTORY TO DATE		DR POOLE CHK ALLEN		REPAIRS TO COMBAT POOL <b>RISER AND PANEL SCHEDULES</b>	
FIRE DEPARTMENT SAFETY FACTORY TO DATE		SUPV T. VELLSSARIOS DATE		SIZE CODE IDENT NO. NAVFAC DRAWING NO. <b>F 80091 3291769</b>	
APPROVED GRISER, N. GUNSE		DATE		CONSTR. CONTR. NO. 1N62467-96-C-6555 SPEC. 06-96-6555 SHEET 18 OF 18	