

GENERAL NOTES

1. FOR SITE WORK LEGEND SEE SHEET ES1-1, FOR DEMOLITION LEGEND SEE SHEET E00-1.
2. PHASING SHALL BE COORDINATED AND IN COMPLIANCE WITH ALL PHASING DRAWINGS AND NOTES. COORDINATE ALL POWER OUTAGES WITH OWNER AND PROVIDE A WRITTEN NOTICE TO OWNER NOT LESS THAN 30 DAYS IN ADVANCE.
3. MOTOR CONTROL DEVICES FURNISHED IN PLACE BY MECHANICAL TRADE, BUT ELECTRICALLY CONNECTED BY ELECTRICAL TRADE.
4. FLEXIBLE CONDUIT INSTALLED OUT-OF-DOORS, IN ANY MECHANICAL EQUIPMENT ROOM, OR IN NORMALLY WET AREAS, SHALL BE LIQUID TIGHT FLEX WITH SUITABLE FITTINGS.
5. COORDINATE WITH ALL MECHANICAL TRADES FOR SPACE REQUIREMENTS IN MECHANICAL ROOMS, CORRIDORS, SHAFTS ABOVE CEILING, ETC. THIS INCLUDES SPACE ABOVE PANELS WHERE DUCTS AND PIPING ARE PROHIBITED.
6. FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT, SEE MECHANICAL PLANS.
7. WHERE WALL SWITCHES AND CONTROL DEVICES SUCH AS THERMOSTATS ARE SHOWN NEAR EACH OTHER (CONTROL DEVICES SUCH AS THERMOSTATS ARE SHOWN ON THE MECHANICAL DRAWINGS) THEY SHALL BE MOUNTED WITH THE CONTROL DEVICE DIRECTLY BESIDE THE SWITCH.
8. THE LOCATION OF FIXTURES IN MECH. ELEC. MACHINE ROOMS, ETC. ARE SHOWN FOR BID PURPOSES ONLY. FIXTURES SHALL BE INSTALLED SO AS TO COORDINATE WITH ALL TRADES AND SHALL BE ARRANGED FOR MAXIMUM LIGHTING DISTRIBUTION OF THE AREA.
9. PROVIDE CONDUIT EXPANSION FITTINGS WITH BONDING JUMPPERS FOR ALL CONDUITS PASSING THROUGH EXPANSION JOINTS. SEE ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATIONS.
10. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED EQUIPMENT.
11. ALL CEILING AND WALL MOUNTED EQUIPMENT OR DEVICES SHALL BE LOCATED TO AVOID DOOR SWINGS WHERE REQUIRED.
12. CONTRACTOR SHALL VERIFY & COORDINATE ALL MOUNTING HEIGHTS OF ALL DEVICES MOUNTED IN CASEWORK OR IN OR ABOVE COUNTERS WITH SPECIFIC EQUIPMENT FURNISHED.
13. OUTLET BOXES/RECEPTACLES, LIGHT SWITCHES, TELEPHONES, ETC.) OVER 16 SQUARE INCHES IN SMOKE AND FIRE WALLS MUST BE 3 SIDED WITH SAME CONSTRUCTION AS WALL SYSTEM. WHERE OUTLET BOXES ARE ON OPPOSITE SIDES OF A FIRE WALL, THERE MUST BE A 24 INCH HORIZONTAL SEPARATION BETWEEN THEM. IF OUTLET BOXES ON PLANS ARE SHOWN AT EXISTING LOCATIONS IN FIRE WALLS BUT THERE IS LESS THAN 24 INCHES OF SEPARATION THE CONTRACTOR SHALL RELOCATE ONE OR BOTH OUTLETS TO ACHIEVE THE MINIMUM 24 INCHES OF SEPARATION REQUIRED.
14. DO NOT MOUNT OUTLETS BACK TO BACK. THEY MUST BE IN SEPARATE STUD SPACES.
15. CONDUIT TO PASS THROUGH WALLS AT 90 DEGREES AND TO BE RUN PARALLEL OR PERPENDICULAR TO WALLS.
16. BRANCH CIRCUITS AND HOMERUNS SHALL BE # 12 WIRE AND 1/2" CONDUIT MINIMUM. EVERY CONDUIT SHALL HAVE A GROUND WIRE (#12 MINIMUM).
17. NO MORE THAN 3 PHASE CONDUCTORS MAY BE INSTALLED IN ONE CONDUIT UNLESS NOTED OTHERWISE.
18. ALL NORMAL RECEPTACLES, SWITCHES, ETC. TO BE GRAY WITH STAINLESS STEEL PLATES UNLESS NOTED OTHERWISE. ALL RECEPTACLES AND LIGHT SWITCHES ON EMERGENCY POWER SHALL BE RED. ENGRAVE EMERGENCY PLATES WITH "EMERGENCY", FILLED WITH RED LETTERS. IN CRITICAL CARE AREAS ALSO ENGRAVE EMERGENCY PLATES WITH CIRCUIT NUMBER.
19. PROVIDE BARRIERS BETWEEN ALL 277V SWITCHES MOUNTED UNDER THE SAME COVER PLATE WITH OTHER 277V SWITCHES ON DIFFERENT PHASES OR 120V SWITCHES.
20. MOUNTING HEIGHTS OF WALL OUTLETS ABOVE FINISHED FLOOR SHALL BE AS INDICATED IN THE LEGEND AND IN THE FOLLOWING TABLE UNLESS NOTED OTHERWISE ON THE PLANS (MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE):

SWITCHES (GENERAL) -----	4'-0"
RECEPTACLES (GENERAL) -----	1'-6"
BATH BRACKETS -----	7'-0"
STAIR BRACKETS (ABOVE LANDING) -----	7'-0"
TELEPHONE OUTLETS -----	1'-6"
21. MAINTAIN N.E.C. MINIMUM CLEARANCE IN FRONT OF ALL SAFETY SWITCHES, PANELBOARDS, TRANSFER SWITCHES, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT.
22. PRIOR TO ANY ROUGH-IN CONTRACTOR TO PROVIDE SCALED DRAWINGS (WITH ACTUAL DIMENSIONS OF APPROVED EQUIPMENT) SHOWING LOCATIONS AND PROPER CLEARANCES OF ALL ELECTRICAL PANELS, TRANSFORMERS, COMMUNICATION CABINETS, AUTOMATIC TRANSFER SWITCHES, ENGINE GENERATOR SETS, EXHAUST PIPING, DAY TANKS, ETC. FOR APPROVAL. DRAWINGS WILL SHOW MECHANICAL PLUMBING AND ARCHITECTURAL AS WELL AS ELECTRICAL EQUIPMENT. PROVIDE SCALED PLAN VIEW AND ELEVATION OF COMPLETE GENERATOR EXHAUST SYSTEM FOR APPROVAL.
23. PRIOR TO ROUGH-IN CONTRACTOR TO PROVIDE SCALED WALL ELEVATIONS WHERE ALL ALARM, SIGNAL CABINETS, ETC ARE INSTALLED IN OTHER THAN MECHANICAL & ELECTRICAL CLOSETS FOR APPROVAL.
24. NO CONDUIT SHALL PASS THROUGH ELEVATOR HOISTWAY OR ELEVATOR MACHINE ROOM UNLESS IT SPECIFICALLY SERVES EQUIPMENT IN THAT ROOM.
25. ALL UNDERGROUND CONDUIT RUNS ENTERING THE BUILDING SHALL BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE AND GASES. UNLESS NOTED OTHERWISE. ALL MOTORS 1/2 HP AND LARGER SHALL BE 480V, 3 PHASE AND MOTORS SMALLER THAN 1/2 HP SHALL BE 120V, 1 PHASE.
26. CONDUIT FOR RECEPTACLE CIRCUITS SHALL BE RUN OVERHEAD UNLESS NOTED OTHERWISE.
27. PROVIDE CONDUIT FOR OUTLET BOXES AS REQUIRED FOR THERMOSTATS. THERMOSTATS ARE SHOWN ON MECHANICAL DRAWINGS.
28. CIRCUIT NUMBERING FOR EXISTING PANELS ARE FOR CIRCUIT SEPARATION ONLY. ACTUAL CIRCUIT NUMBERS MAY DIFFER.
29. CONTRACTOR SHALL VERIFY AND COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH SPECIFIC EQUIPMENT FURNISHED.
30. IN EXISTING BUILDING ALL CONDUIT SHALL BE CONCEALED UNLESS NOTED OTHERWISE.
31. ANY ITEM ABOVE CEILING IN EXISTING CORRIDORS OR ROOMS WHICH NEEDS TO BE RELOCATED FOR INSTALLATION OF NEW EQUIPMENT SHALL BE RELOCATED AND RECONNECTED AS REQUIRED. THIS INCLUDES CONDUIT, WIRE, PIPING, DUCTWORK, ETC.
32. ALL ITEMS ON PLANS ARE NEW UNLESS NOTED OTHERWISE.
33. EXISTING PANELS TO REMAIN SHALL HAVE THEIR PANEL SCHEDULES UPDATED AND RETYPED AFTER COMPLETION OF WORK.
34. CONTRACTOR SHALL PROVIDE 1500 FT. OF 2-#12, 1-#12 GND, 3/4" C OR THE EQUIVALENT THEREOF FOR MISCELLANEOUS CIRCUITS AS DIRECTED BY THE CONTRACTOR OFFICER. CONTRACTOR SHALL MAINTAIN A LOG OF MATERIAL USED.
35. CONTRACTOR SHALL IDENTIFY ANY ELECTRICAL DEVICE THAT IS MOUNTED ABOVE THE CEILING AND REQUIRES MAINTENANCE BY PLACING A COLORED DOT OR TACK AT THE LOCATION. COORDINATE WITH OTHER TRADES SUCH THAT ALL TRADES USE THE SAME METHOD EXCEPT DIFFERENT COLORS FOR EACH SYSTEM IN EACH TRADE.

37. ALL NEW CIRCUITS TO WALL MOUNTED RECEPTACLES AND JUNCTION BOXES MUST BE FED FROM OVERHEAD. IN MOST CASES THIS WILL REQUIRE CHASING AND PATCHING THE EXISTING WALLS AT EACH DEVICE LOCATION.
38. ALL ELECTRICAL ITEMS PROVIDED OR EXISTING TO REMAIN SHALL BE PROPERLY BRACED FOR SEISMIC ZONE 3.
39. IT IS STRONGLY RECOMMENDED THE CONTRACTOR VISIT THE SITE PRIOR TO BIDDING TO ASCERTAIN EXISTING CONDITIONS AS HE WILL BE RESPONSIBLE FOR EXISTING CONDITIONS AS REQUIRED IN OTHER NOTES.
40. ALL RECEPTACLES BESIDES SINKS SHALL BE LOCATED AT LEAST 6" HORIZONTALLY FROM THE TOWEL DISPENSER. UNDER NO CONDITION SHALL A RECEPTACLE BE LOCATED UNDER A TOWEL DISPENSER.
41. ALL FIRE ALARM WORK SHALL BE IN ACCORDANCE WITH NFPA 72, REQUIREMENTS.

GENERAL DEMOLITION NOTES

1. ALL ITEMS SHOWN ON DEMOLITION PLANS ARE TO BE REMOVED UNLESS NOTED OTHERWISE. REMOVE ALL ELECTRICAL ITEMS ASSOCIATED WITH ITEMS SHOWN TO BE REMOVED ON DEMOLITION PLANS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO CONDUIT, WIRE, DEVICES AND CONDUIT SUPPORTS.
2. THE FOLLOWING REMOVED ELECTRICAL EQUIPMENT SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER AT A LOCATION DESIGNATED BY THE OWNER ON THE SITE OF THE PROJECT: INDOOR DRY TYPE TRANSFORMERS, OUTDOOR SILICONE FILLED UNIT SUBSTATIONS WITH PRIMARY SELECTOR SWITCHES, AND 15KV CABLE SWITCHING STATIONS. CARE SHALL BE TAKEN NOT TO DAMAGE REMOVED EQUIPMENT. THE REMOVED EQUIPMENT MUST BE STACKED NEATLY INSIDE OR OUTSIDE THE DESIGNATED STORAGE AREA AS DIRECTED BY THE ROICC. EQUIPMENT NOT DESIRED BY THE OWNER SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR AT NO ADDITIONAL COST. WIRE AND CONDUIT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE.
3. ALL EXISTING FIXTURES THAT ARE TO REMAIN OR BE REUSED SHALL BE THOROUGHLY CLEANED BY THE CONTRACTOR. CONTRACTOR SHALL ALSO REPLACE ALL BURNED OUT LAMPS, RECEPTACLES TO REMAIN SHALL BE REPLACED WITH HOSPITAL GRADE RECEPTACLES.
4. ABANDONED CONDUIT SHALL BE REMOVED WHERE POSSIBLE. ABANDONED CONDUIT WHICH CAN NOT BE REMOVED SHALL HAVE WIRES PULLED FROM THEM.
5. WHERE EXISTING CONDUITS ARE REUSED THE OLD WIRES SHALL BE REMOVED, THE CONDUIT SWABBED OUT, AND NEW WIRES REPULLED.
6. IF ANY EXISTING ELECTRICAL EQUIPMENT THAT IS TO REMAIN IN OPERATION BECOMES ISOLATED BECAUSE OF PHASING OR BY THE REMOVAL OF WALLS, CEILING, ELECTRICAL EQUIPMENT, ETC., IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REROUT, AND/OR RECONNECT THE EQUIPMENT SO THAT THE SYSTEM REMAINS OPERABLE AS SOON AS POSSIBLE. THIS SHALL ALSO APPLY TO SWITCHING OF LIGHTS AS NEEDED TO KEEP THE FACILITY FUNCTIONAL.
7. ANY MOTORS, HVA/C DEVICES OR OTHER EQUIPMENT WHICH IS TO BE REMOVED SHALL ALSO HAVE ELECTRICAL CONNECTION REMOVED.
8. IF SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO RELOCATE AND RECONNECT EXISTING ELECTRICAL CIRCUITS AS REQUIRED TO AVOID NEW CONSTRUCTION.
9. FOR ANY CUTTING OR PATCHING OF WALLS AND CEILING REQUIRED, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR SAME, HOWEVER WORK SHALL BE PERFORMED BY CRAFTSMAN SKILLED IN THAT TRADE.
10. ANY ITEMS ABOVE CEILING IN EXISTING CORRIDORS OR ROOMS WHICH NEEDS TO BE RELOCATED FOR INSTALLATION OF NEW ELECTRICAL EQUIPMENT SHALL BE RELOCATED AND RECONNECTED AS REQUIRED. THIS INCLUDES BUT IS NOT LIMITED TO CONDUIT, WIRE, PIPING, AND DUCTWORK.

11. ANY ELECTRICAL ITEM ABOVE EXISTING CEILING WHICH NEEDS TO BE RELOCATED OR SUPPORTED TO REMAIN IN SERVICE DUE TO DEMOLITION OF EXISTING CEILING SHALL BE RELOCATED AND RECONNECTED AS REQUIRED. ELECTRICAL ITEMS SUCH AS EXISTING COMMUNICATIONS CABLE LAYING ON EXISTING CEILING SHALL BE INDEPENDENTLY SUPPORT WHILE THE EXISTING CEILING ARE BEING DEMOLISHED AND REPLACED. SUPPORT SHALL KEEP COMMUNICATION CABLES AND OTHER ITEMS 12" ABOVE CEILING TO ALLOW FOR PROPER SPACE TO INSTALL NEW CEILING. THIS INCLUDES BUT IS NOT LIMITED TO CONDUIT, AND WIRE FOR LIGHTING, POWER, NURSE CALL, FIRE ALARM, PAGING, COMPUTER SYSTEMS, SECURITY, AND HVA/C CONTROLS.
12. BEFORE DEMOLISHING ANY CONDUIT OR WIRE THE CONTRACTOR SHALL VERIFY WHAT IT SERVES TO ENSURE SERVICE IS NOT LOST TO ITEMS OUTSIDE OF THE AREA SCHEDULED IN THE PHASING PLAN.
13. EXISTING CONDUITS WHICH PENETRATE EXTERIOR WALLS SHALL BE REMOVED AND EXTERIOR WALL PATCHED, OR CONDUIT SHALL BE SEALED ON INTERIOR OF BUILDING TO PREVENT WATER FROM ENTERING BUILDING.
14. FOR DEMOLITION POWER FLOOR PLANS SEE SHEETS ED2-1 THROUGH ED2-10.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF PGB BALLAST AND FLUORESCENT LAMPS FROM ALL LIGHTING FIXTURES. SEE SPECIFICATION SECTION _____ FOR DETAILS. BALLAST SHALL BE DELIVERED TO DEFENSE REUTILIZATION AND MARKETING OFFICE (DRMDO) ON BASE FOR DISPOSAL BY GOVERNMENT.
16. WHERE ELECTRICAL EQUIPMENT IS NOT SHOWN ON WALLS THAT ARE TO BE REMOVED, CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF EQUIPMENT AND HE SHALL BE RESPONSIBLE FOR REMOVAL OF SAME AND RECONNECTION OF EXISTING CIRCUITS.

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ARCHITECTS - ENGINEERS
MONTGOMERY, ALABAMA

U.S. NAVAL STATION
REPAIRS TO NAVAL HOSPITAL
GENERAL NOTES AND DEMOLITION NOTES

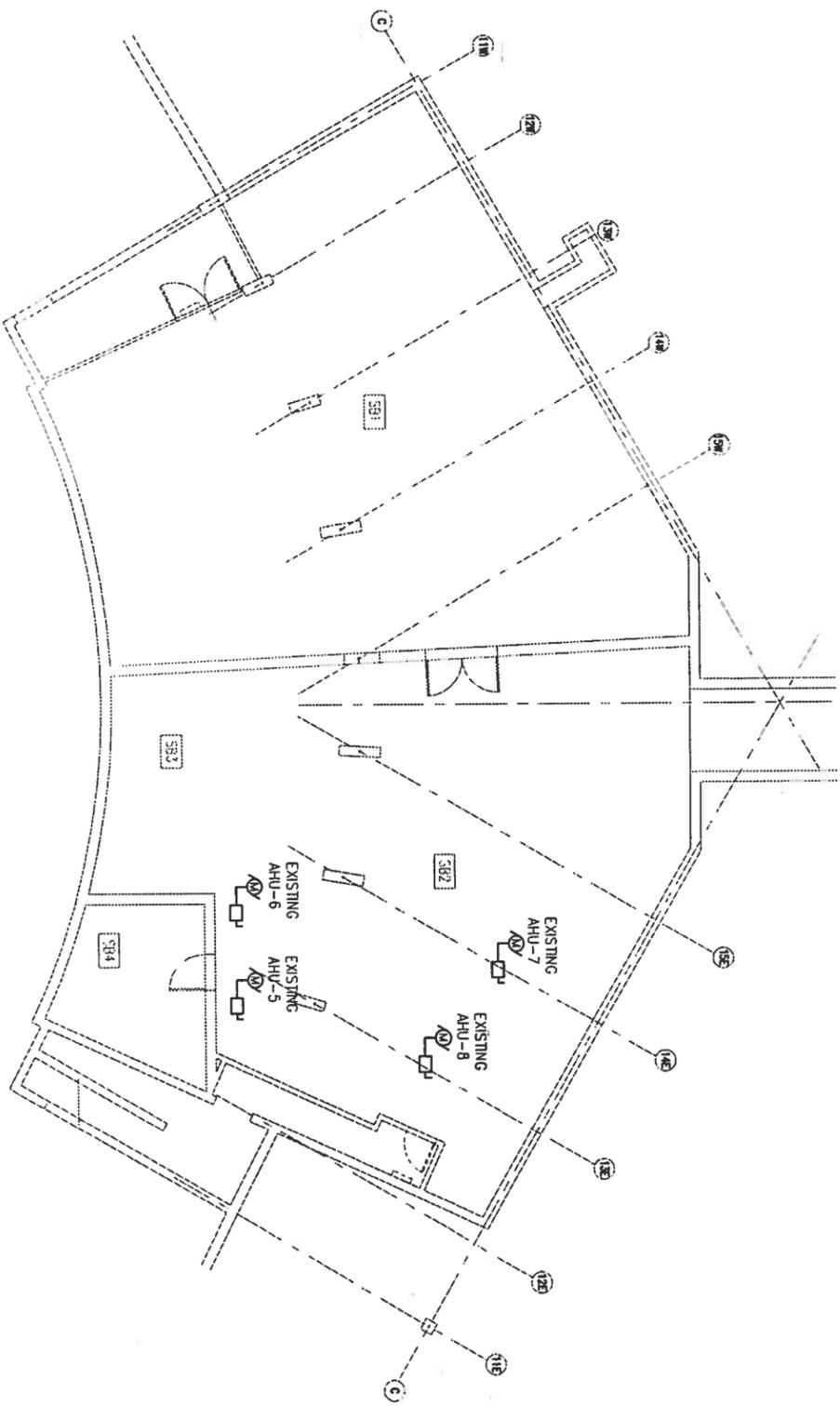
ROOSEVELT ROADS, P.R.

CONTRACT NUMBER: _____
SHEET 2 OF 22

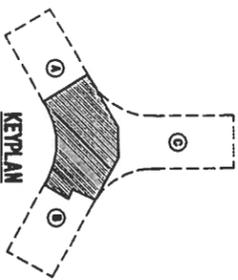
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL U.S. NAVAL STATION ROOSEVELT ROADS, P.R. REPAIRS TO NAVAL HOSPITAL GENERAL NOTES AND DEMOLITION NOTES	REVISION DESCRIPTION DATE	Dwg. Div. DR.: _____ DATE: _____ SATISFACTORY TO: _____ DATE: _____ DESIGN BY: JEA DRAWN BY: CBN DATE: DEC APPROVED: _____
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544 AREA

PWC #



DEMOLITION FLOOR PLAN
SUB-BASEMENT FLOOR
 SCALE 1/8" = 1'-0"

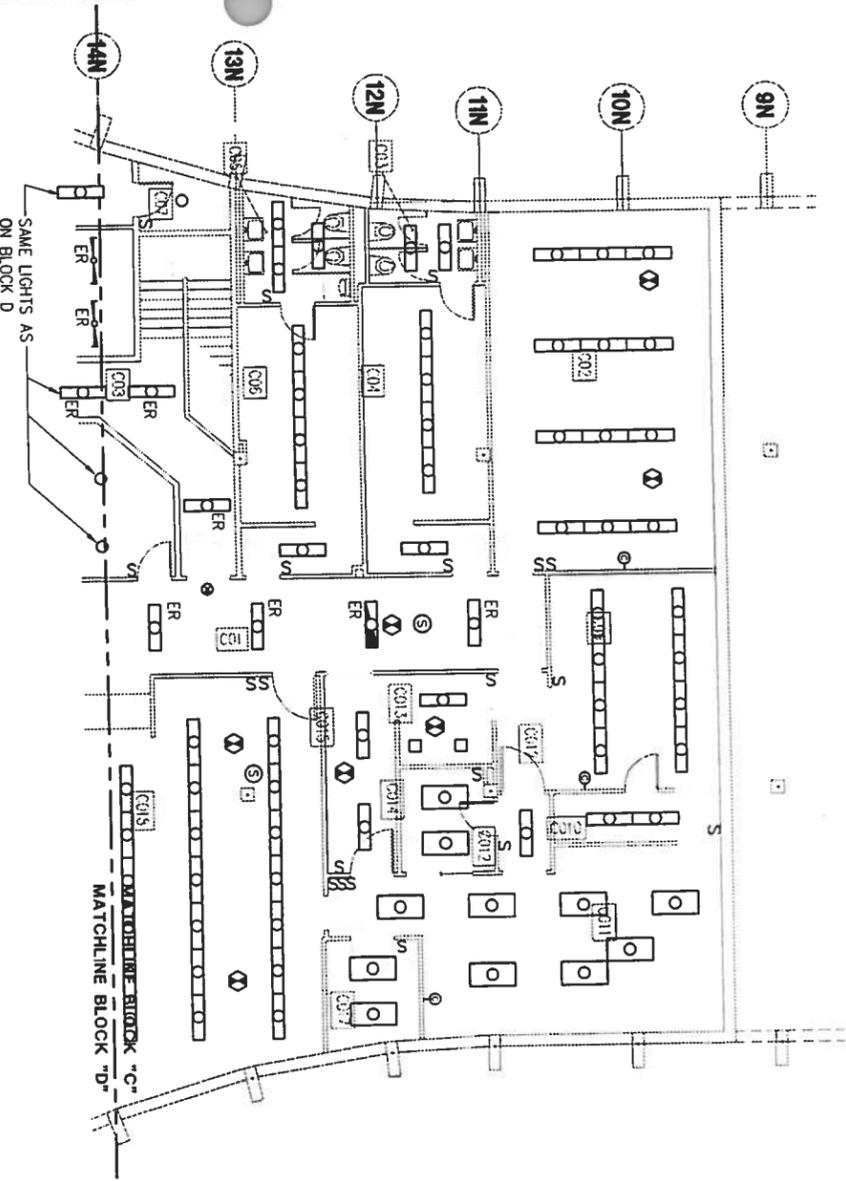


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U.S. NAVAL STATION REPAIRS TO NAVAL HOSPITAL		ROOSEVELT ROADS, P.R.	
ELECTRICAL DEMOLITION PLAN - SUB-BASEMENT FLOOR		ELECTRICAL DEMOLITION PLAN - SUB-BASEMENT FLOOR	
CONTR. CONTR. NO.	SPECIFICATION NO.	NAVFAC DWG. NO.	PWC DWG. NO.

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL	
U.S. NAVAL STATION	ROOSEVELT ROADS, P.R.
REPAIRS TO NAVAL HOSPITAL	
ELECTRICAL DEMOLITION PLAN - SUB-BASEMENT FLOOR	
CONSTR. CONTR. NO.	NAVFAC DWG. NO.

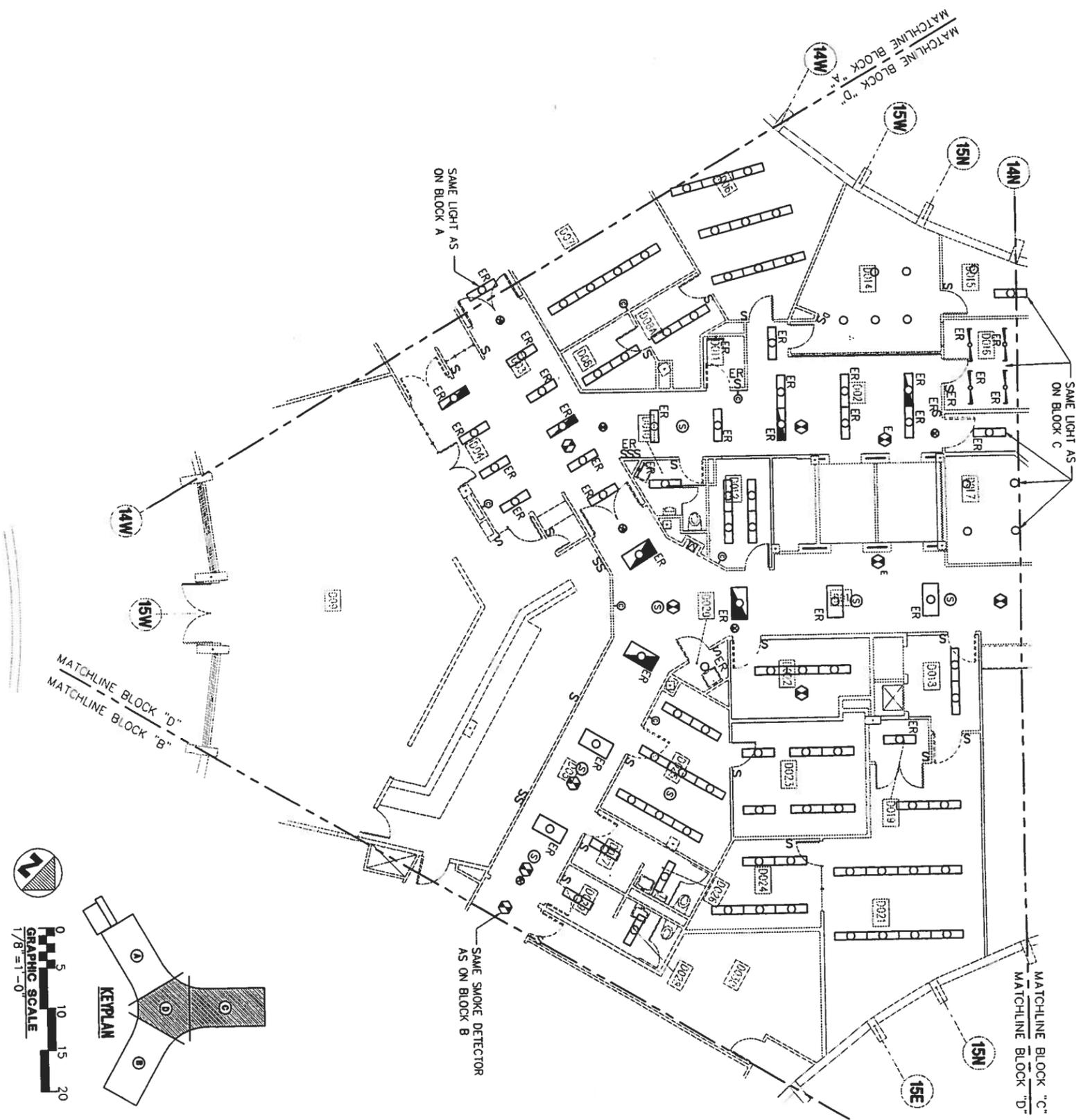
REVISION DESCRIPTION	DATE

ENG. DW. DR.:	_____
DATE:	_____
SATISFACTORY TO:	_____
DATE:	_____
DESIGN BY: JEA	DRAWN BY: CBN
CHK BY: RES	APPROVED: _____



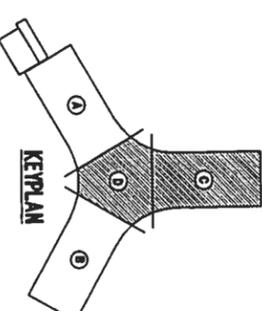
DEMOLITION PLAN - BLOCK C
BASEMENT FLOOR

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



DEMOLITION PLAN - BLOCK D
BASEMENT FLOOR

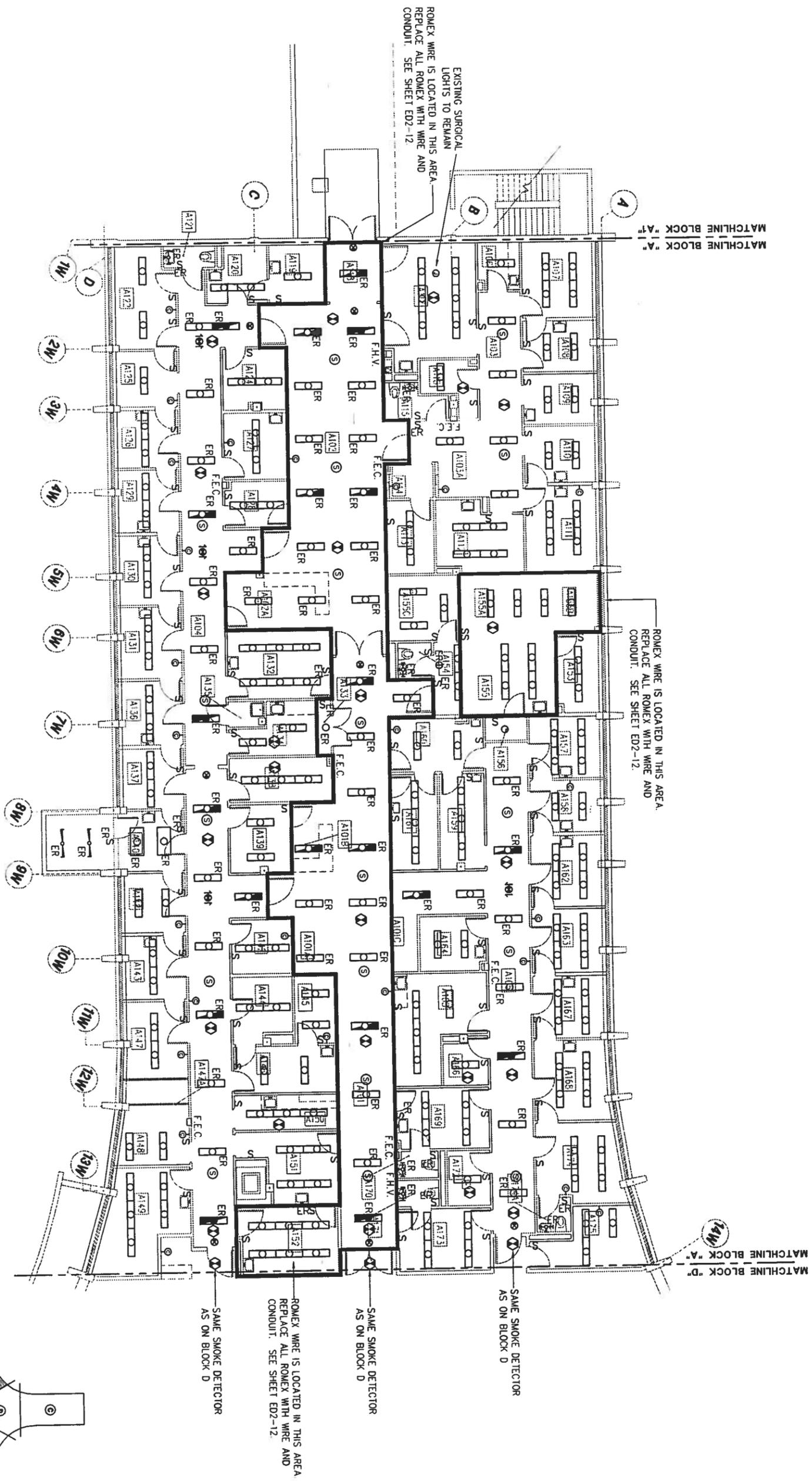
SCALE: 1/8" = 1'-0"



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U.S. NAVAL STATION			
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ELECTRICAL DEMOLITION PLAN - BASEMENT FLOOR - BLOCKS C & D			
CONTRACT NUMBER NO.	NAVY DRAWING NO.	SHEET NO.	OF NO.

DEPARTMENT OF THE NAVY NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL U.S. NAVAL STATION ROOSEVELT ROADS, P.R. REPAIRS TO NAVAL HOSPITAL ELECTRICAL DEMOLITION PLAN - BASEMENT FLOOR - BLOCKS C & D	NAVAL FACILITIES ENGINEERING COMMAND DATE: _____ ENG. OR DR.: _____ DATE: _____ SATISFACTORY TO: _____ DATE: _____ DESIGN BY: JEA DRAWN BY: CBN CHK BY: RFC APPROVED: _____
	REVISION DESCRIPTION _____ _____ _____

ED2-4



DEMOLITION PLAN - BLOCK A
FIRST FLOOR
 SCALE: 1/8" = 1'-0"



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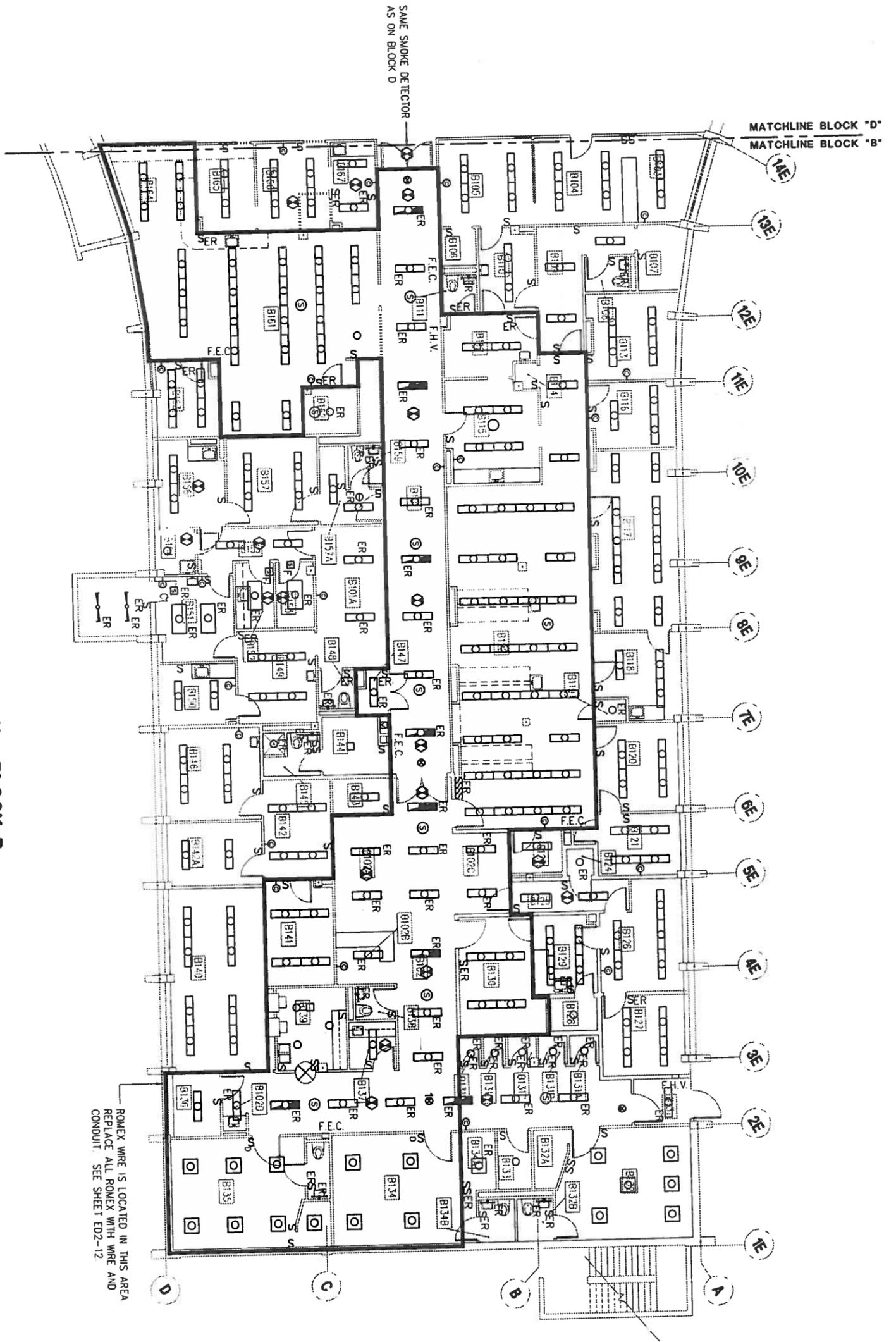
ELECTRICAL DEMOLITION PLAN - BLOCK A

CONTRACT NUMBER NO. _____
 SPECIFICATION NO. _____
 DRAWING NUMBER NO. _____
 SHEET 2 OF 22

DEPARTMENT OF THE NAVY NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL U.S. NAVAL STATION ROOSEVELT ROADS, P.R. REPAIRS TO NAVAL HOSPITAL ELECTRICAL DEMOLITION PLAN - FIRST FLOOR-BLOCK A	NAVAL FACILITIES ENGINEERING COMMAND	REVISION DESCRIPTION	DATE	ENG. DV. DR.: _____ DATE: _____ SATISFACTORY TO: _____ DATE: _____ DESIGN BY: JEA DRAWN BY: CBN
	PLATE NO. _____	_____	_____	_____

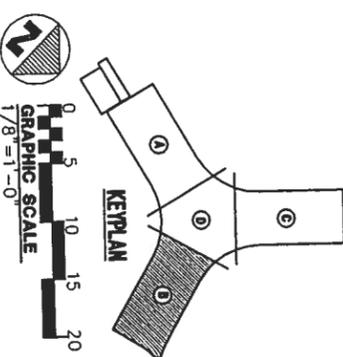
ED2-5

DWG. #



DEMOLITION PLAN - BLOCK B
FIRST FLOOR
 SCALE: 1/8" = 1'-0"

ROMEX WIRE IS LOCATED IN THIS AREA
 REPLACE ALL ROMEX WITH WIRE AND
 CONDUIT. SEE SHEET ED2-12



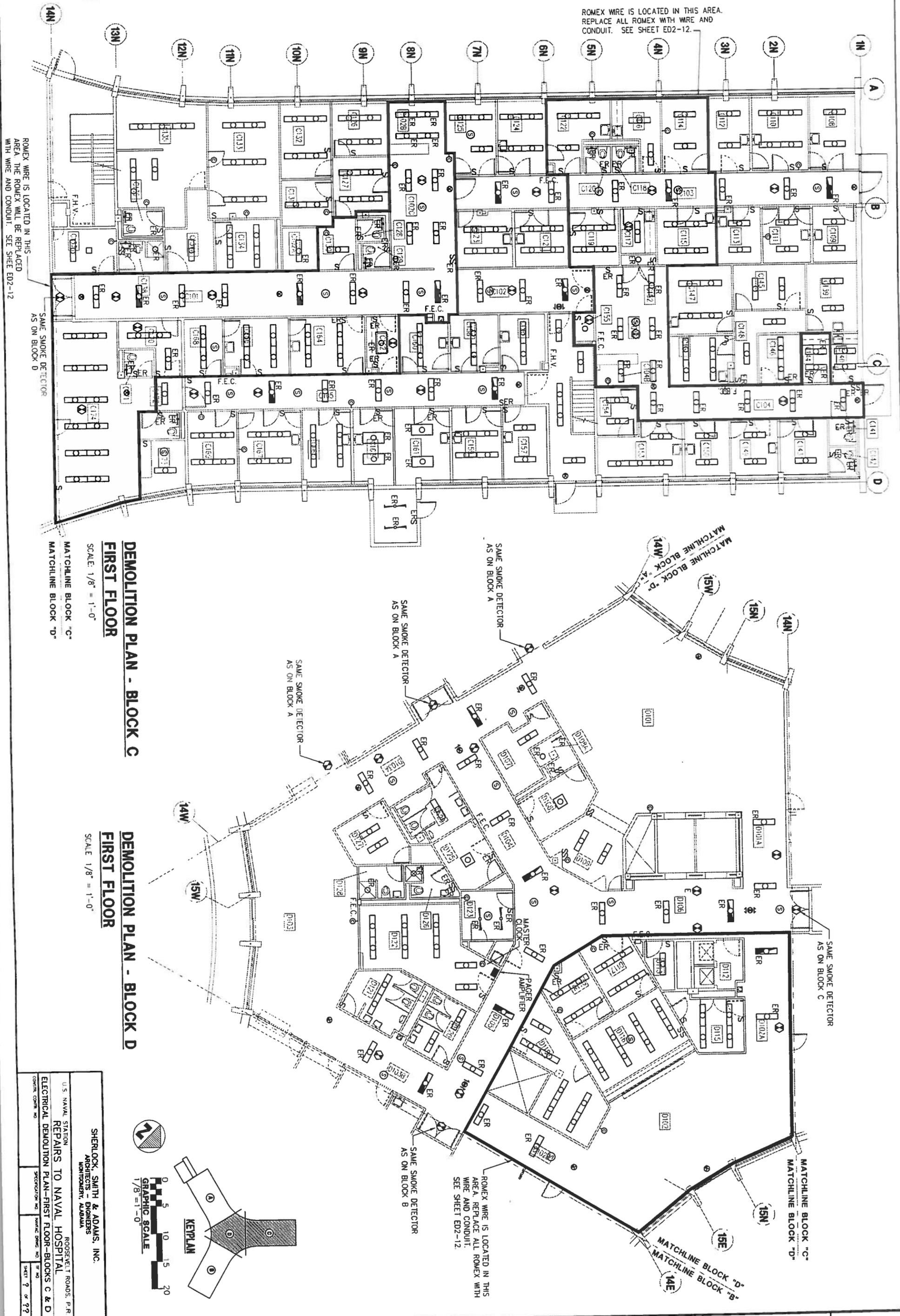
U.S. NAVAL STATION		ROOSEVELT ROADS, P.R.	
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ELECTRICAL DEMOLITION PLAN - FIRST FLOOR - BLOCK B			
CONSTRUCTION NO.	DATE	SHEET	OF
		7	77

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	REVISION DESCRIPTION _____ _____ _____

ED2-6

ROMEX WIRE IS LOCATED IN THIS AREA.
REPLACE ALL ROMEX WITH WIRE AND
CONDUIT. SEE SHEET ED2-12.



DEMOLITION PLAN - BLOCK C

FIRST FLOOR

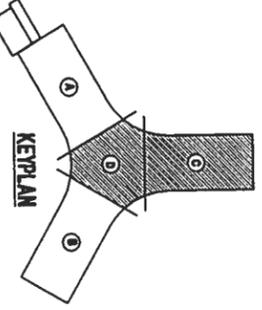
SCALE: 1/8" = 1'-0"

MATCHLINE BLOCK "C"
MATCHLINE BLOCK "D"

DEMOLITION PLAN - BLOCK D

FIRST FLOOR

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



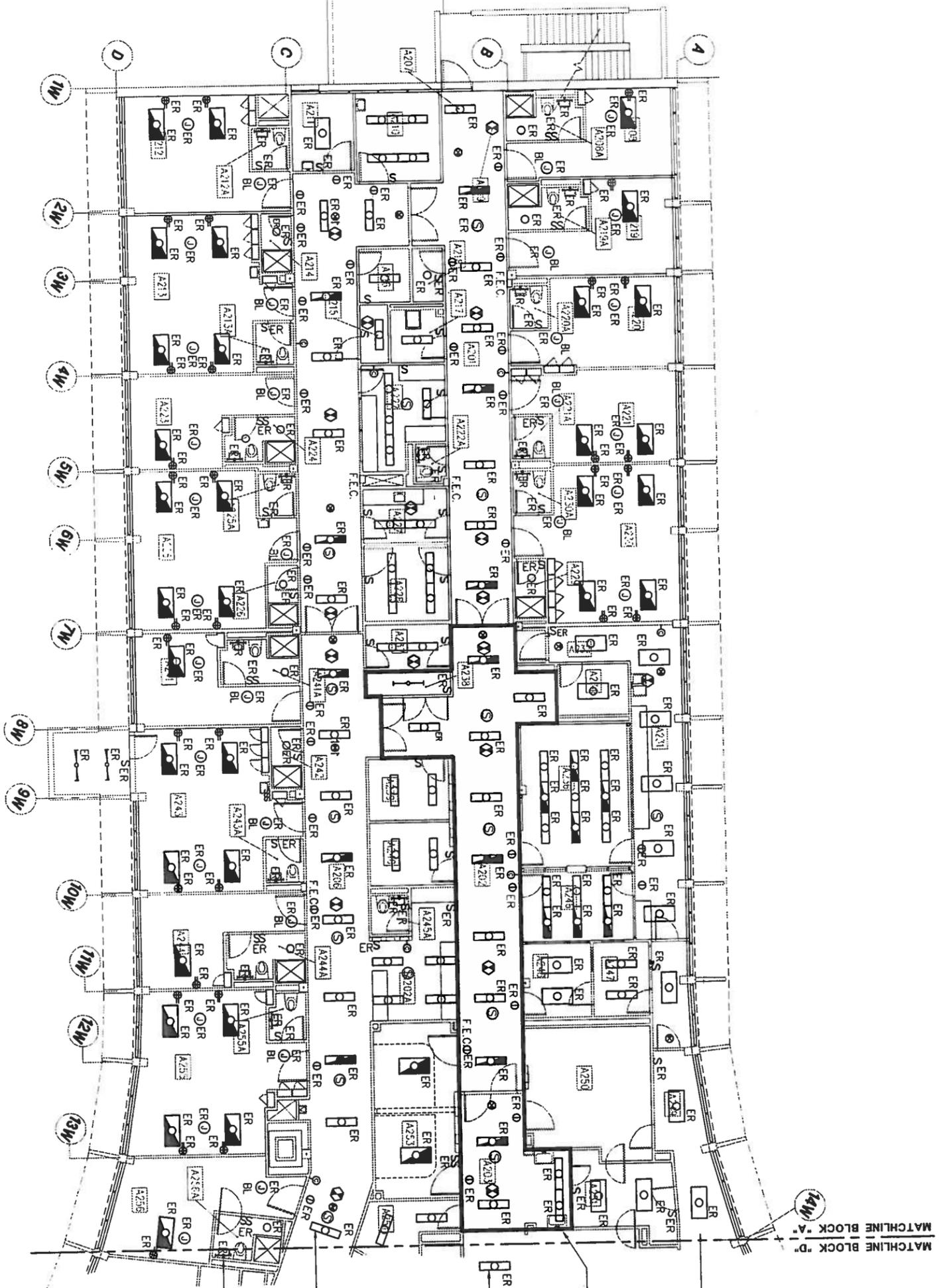
U.S. NAVAL STATION
ROOSEVELT ROADS, P.R.
REPAIRS TO NAVAL HOSPITAL
ELECTRICAL DEMOLITION PLAN - FIRST FLOOR - BLOCKS C & D

SHERLOCK, SMITH & ADAMS, INC.
ARCHITECTS - ENGINEERS
MONROE, ALABAMA

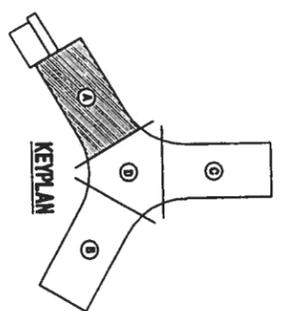
PROJECT NO. _____
SHEET 2 OF 22

DEPARTMENT OF THE NAVY NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL U.S. NAVAL STATION ROOSEVELT ROADS, P.R. REPAIRS TO NAVAL HOSPITAL ELECTRICAL DEMOLITION PLAN - FIRST FLOOR - BLOCKS C & D	NAVAL FACILITIES ENGINEERING COMMAND DATE: _____ ENG. DIV. DR.: _____ DATE: _____ SATISFACTORY TO: _____ DATE: _____ DESIGN BY: JEA DRAWN BY: CBN
	REVISION DESCRIPTION 1. _____ DATE: _____ 2. _____ DATE: _____ 3. _____ DATE: _____

ED2-7

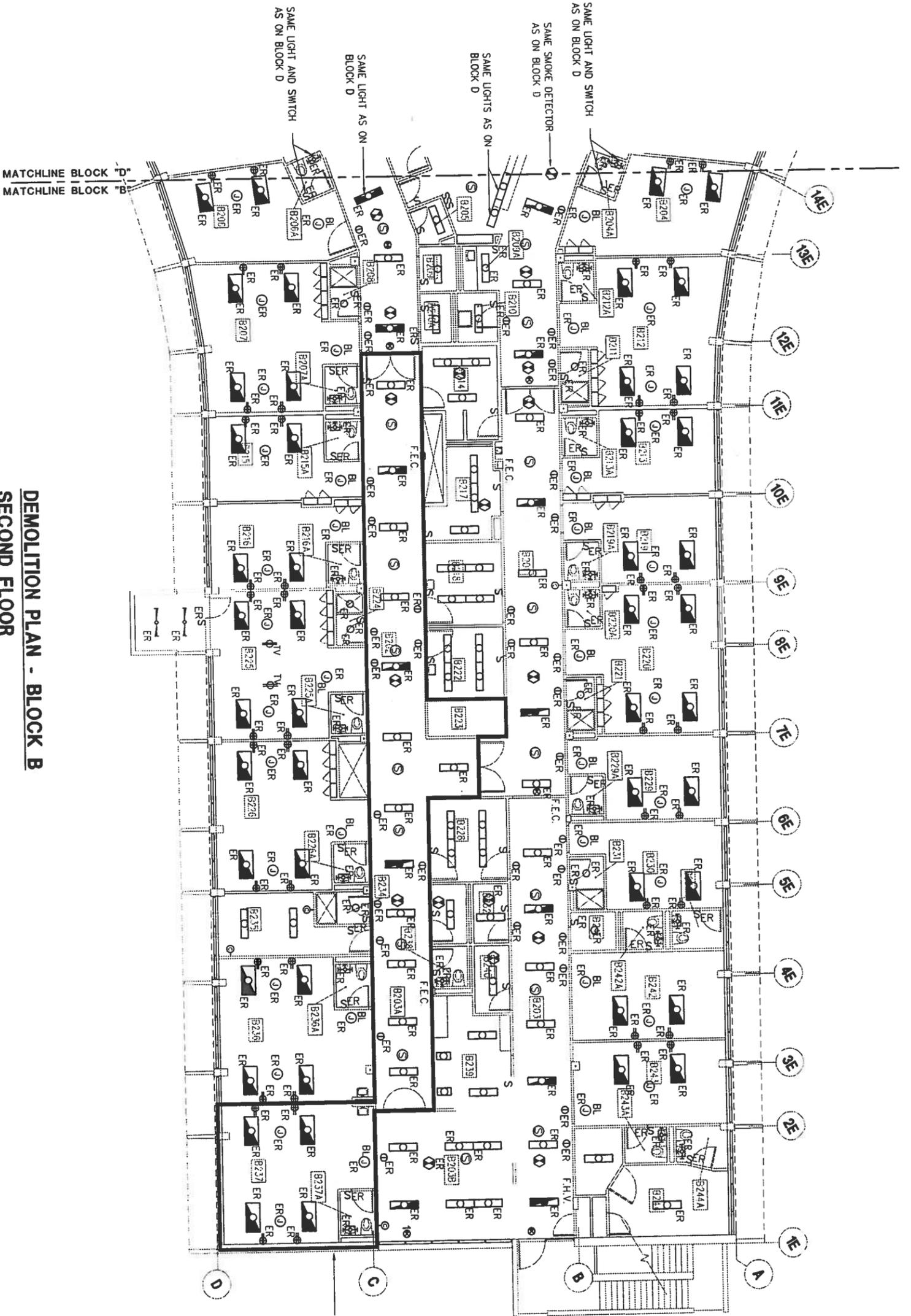


DEMOLITION PLAN - BLOCK A
SECOND FLOOR
 SCALE: 1/8" = 1'-0"



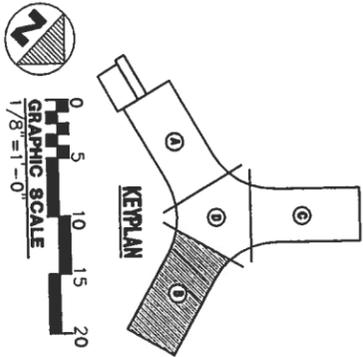
SHERLOCK, SMITH & ADAMS, INC. ARCHITECTS - ENGINEERS MOBILE, ALABAMA		ROOSEVELT ROADS, P.R.	
U.S. NAVAL STATION		REPAIRS TO NAVAL HOSPITAL	
ELECTRICAL DEMOLITION PLAN - SECOND FLOOR - BLOCK A		DATE NO.	
CUSTOMER CODE NO.	PROJECT NO.	DATE	SHEET 9 OF 92

DEPARTMENT OF THE NAVY NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL U.S. NAVAL STATION REPAIRS TO NAVAL HOSPITAL ELECTRICAL DEMOLITION PLAN - SECOND FLOOR - BLOCK A	NAVAL FACILITIES ENGINEERING COMMAND ROOSEVELT ROADS, P.R.	DATE DNG. DR. DR.: DATE: SATISFACTORY TO: DATE: DESIGN BY: JEA DRAWN BY: CBN
	REVISION DESCRIPTION DATE	P.W.C. #



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

ROMEX WIRE IS LOCATED IN THIS AREA. REPLACE ALL ROMEX WITH WIRE AND CONDUIT. SEE SHEET ED2-13

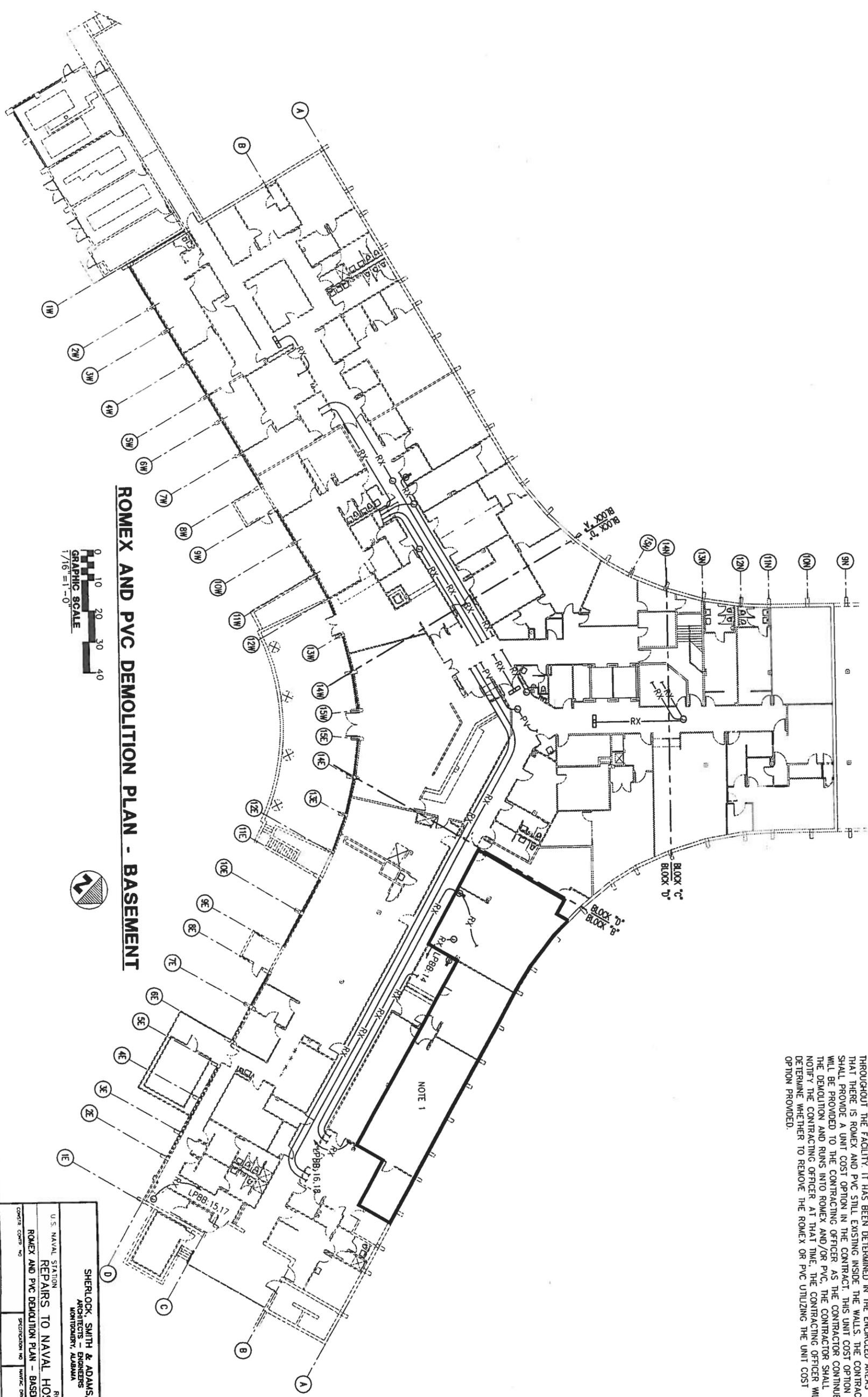


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U.S. NAVAL STATION
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 REPAIRS TO NAVAL HOSPITAL
 ELECTRICAL DEMOLITION PLAN - SECOND FLOOR - BLOCK B

PLATE NO. _____
 SPECIFICATION NO. _____
 SHEET 9 OF 9

DEPARTMENT OF THE NAVY NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL U.S. NAVAL STATION ROOSEVELT ROADS, P.R. REPAIRS TO NAVAL HOSPITAL ELECTRICAL DEMOLITION PLAN - SECOND FLOOR - BLOCK B	NAVAL FACILITIES ENGINEERING COMMAND	REVISION DESCRIPTION	DATE	ENG. DR. OR: _____ DATE: _____ SATISFACTORY TO: _____ DATE: _____ DESIGN BY: JEA DRAWN BY: CBN PWC BY: DEC APPROVED: _____
	PWC #	ED2-9	SHEET 9 OF 9	DATE



1. NOTES:
 THE CONTRACTOR SHALL REMOVE ALL TRACEABLE ROMEX AND PVC AS SHOWN ON SHEETS ED2-11, ED2-12 AND ED2-13 AND REPLACE WITH 3 #12 IN 3/4" CONDUIT HOWEVER, THERE IS STILL SOME ROMEX AND PVC THAT COULD NOT BE TRACED THROUGHOUT THE FACILITY. IT HAS BEEN DETERMINED IN THE ENCLOSED AREAS THAT THERE IS ROMEX AND PVC STILL EXISTING INSIDE THE WALLS. THE CONTRACTOR SHALL PROVIDE A UNIT COST OPTION IN THE CONTRACT. THIS UNIT COST OPTION WILL BE PROVIDED TO THE CONTRACTING OFFICER AS THE CONTRACTOR CONTINUES THE DEMOLITION AND RUNS INTO ROMEX AND/OR PVC. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER AT THAT TIME. THE CONTRACTING OFFICER WILL DETERMINE WHETHER TO REMOVE THE ROMEX OR PVC UTILIZING THE UNIT COST OPTION PROVIDED.

NOTE 1

ROMEX AND PVC DEMOLITION PLAN - BASEMENT



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ROOSEVELT ROADS, P.R.
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 ROMEX AND PVC DEMOLITION PLAN - BASEMENT COMPOSITE

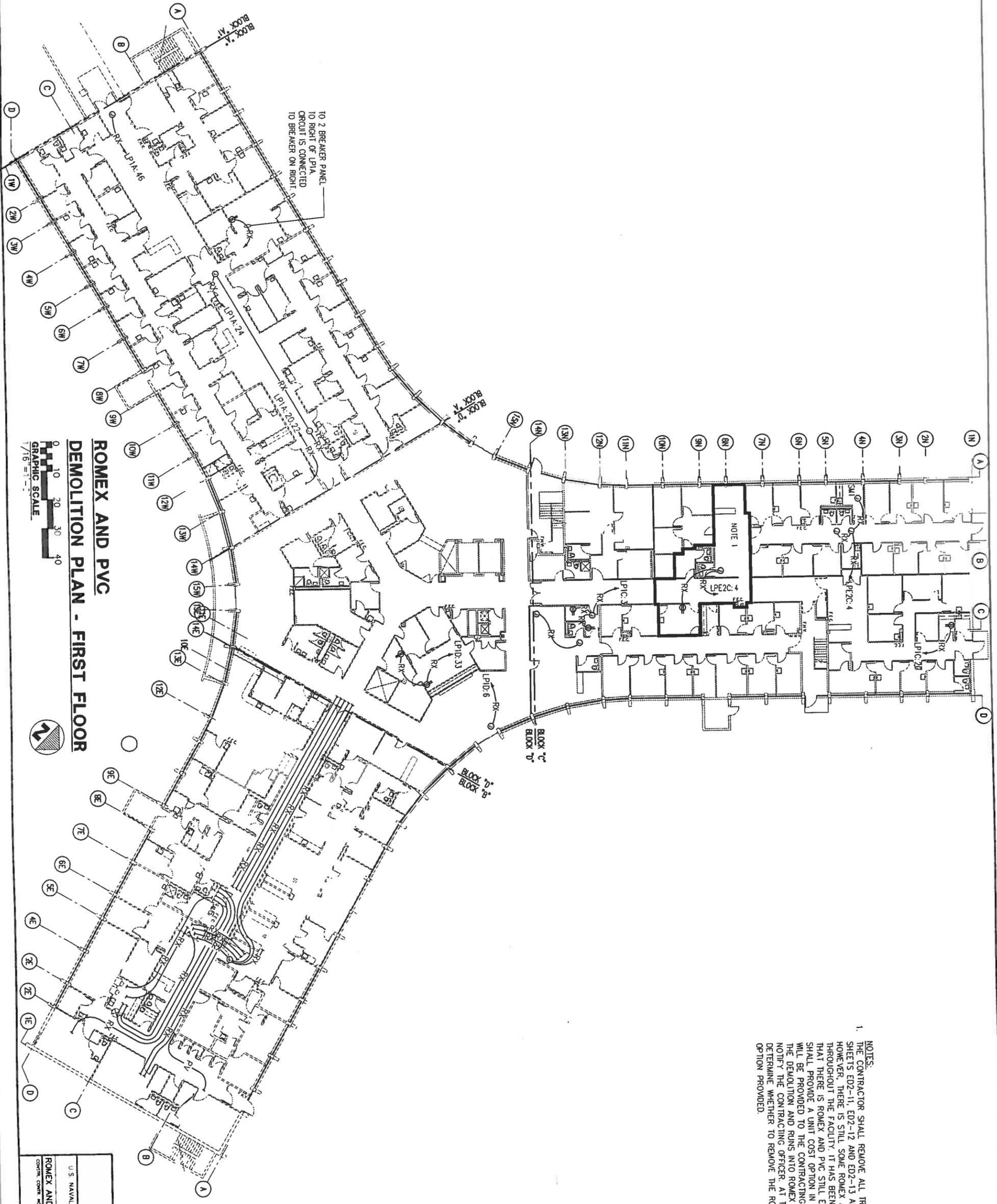
CONTRACT NO. _____ SPECIFICATION NO. _____ DRAWING NO. _____ SHEET 9 OF 22

DEPARTMENT OF THE NAVY
 NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL
 U.S. NAVAL STATION
 ROOSEVELT ROADS, P.R.
 REPAIRS TO NAVAL HOSPITAL
 ROMEX AND PVC DEMOLITION PLAN - BASEMENT COMPOSITE

REVISION DESCRIPTION	DATE

ENG. DIV. DR.: _____
 DATE: _____
 SATISFACTORY TO: _____
 DATE: _____
 DESIGN BY: JEA DRAWN BY: CBN
 CHK BY: RES APPROVED: _____

ED2-11
 PWC #

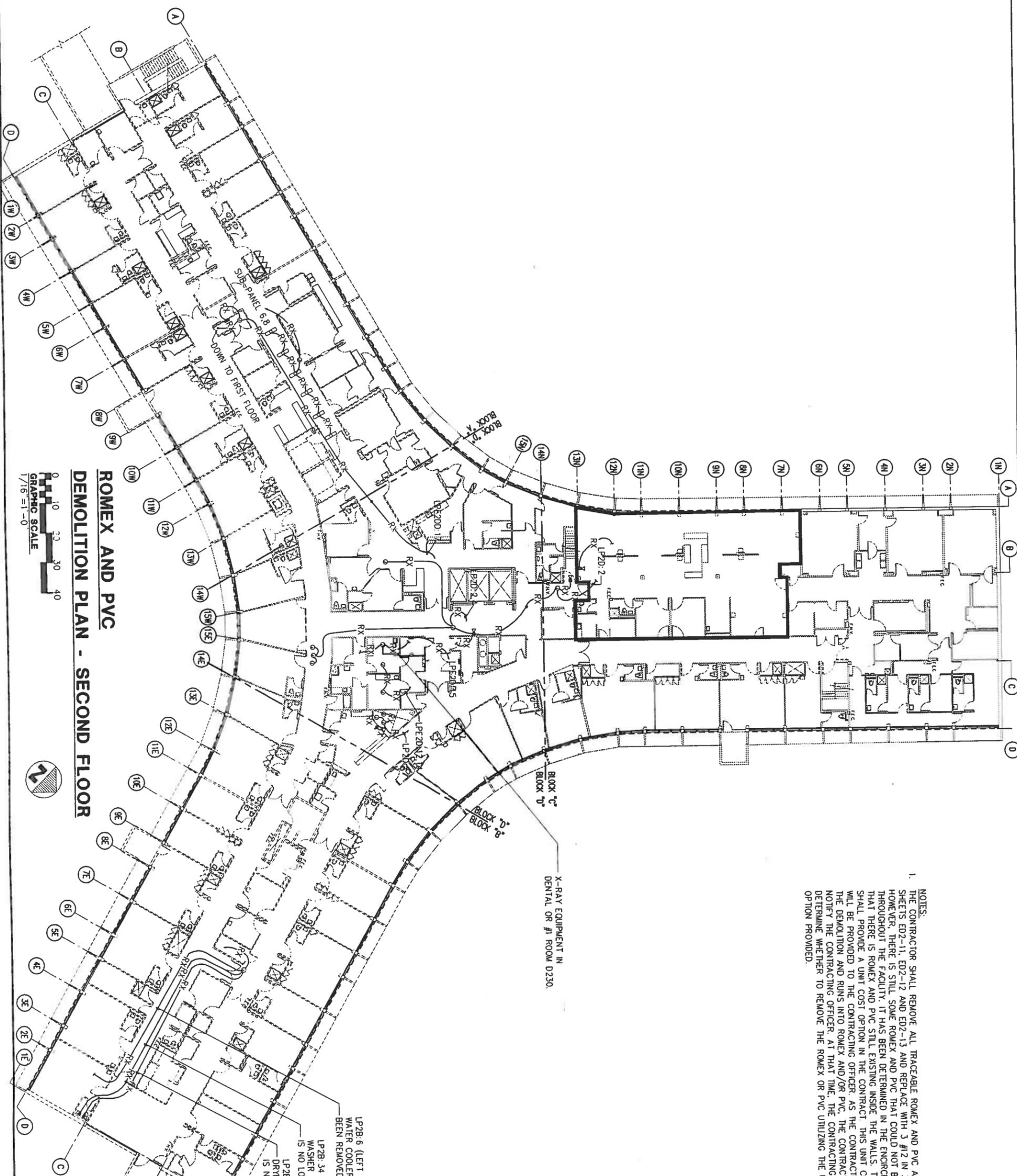


NOTES:
 1. THE CONTRACTOR SHALL REMOVE ALL TRACEABLE ROMEX AND PVC AS SHOWN ON SHEETS ED2-11, ED2-12 AND ED2-13 AND REPLACE WITH 3 #12 IN 3/4" CONDUIT HOWEVER, THERE IS STILL SOME ROMEX AND PVC THAT COULD NOT BE TRACED THROUGHOUT THE FACILITY. IT HAS BEEN DETERMINED IN THE ENCLOSED AREAS THAT THERE IS ROMEX AND PVC STILL EXISTING INSIDE THE WALLS. THE CONTRACTOR SHALL PROVIDE A UNIT COST OPTION IN THE CONTRACT. THIS UNIT COST OPTION SHALL BE PROVIDED TO THE CONTRACTING OFFICER AS THE CONTRACTOR CONTINUES THE DEMOLITION AND RUNS INTO ROMEX AND/OR PVC. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER AT THAT TIME. THE CONTRACTING OFFICER WILL DETERMINE WHETHER TO REMOVE THE ROMEX OR PVC UTILIZING THE UNIT COST OPTION PROVIDED.

ROMEX AND PVC
DEMOLITION PLAN - FIRST FLOOR
 GRAPHIC SCALE
 0 10 20 30 40
 1/16" = 1'-0"

SHERLOCK, SMITH & ADAMS, INC.
 ARCHITECTS - ENGINEERS
 MONTESSANTO, ALABAMA
 ROOSEVELT ROADS, P.R.
 U.S. NAVAL STATION
 REPAIRS TO NAVAL HOSPITAL
 ROMEX AND PVC DEMOLITION PLAN - FIRST FLOOR COMPOSITE
 SHEET 7 OF 72

DEPARTMENT OF THE NAVY NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL U.S. NAVAL STATION ROOSEVELT ROADS, P.R. REPAIRS TO NAVAL HOSPITAL ROMEX AND PVC DEMOLITION PLAN - FIRST FLOOR COMPOSITE ED2-12	NAVY FACILITIES ENGINEERING COMMAND REVISION DESCRIPTION DATE	Dwg. No. DR.: DATE: SATISFACTORY TO: DATE:
	DESIGN BY: JEA DRAWN BY: CBN CHK BY: RFS APPROVED:	



**ROMEX AND PVC
DEMOLITION PLAN - SECOND FLOOR**



- NOTES:
1. THE CONTRACTOR SHALL REMOVE ALL TRACEABLE ROMEX AND PVC AS SHOWN ON SHEETS ED2-11, ED2-12 AND ED2-13 AND REPLACE WITH 3 #12 IN 3/4" CONDUIT. HOWEVER, THERE IS STILL SOME ROMEX AND PVC THAT COULD NOT BE TRACED THROUGHOUT THE FACILITY. IT HAS BEEN DETERMINED IN THE ENCLOSED AREAS THAT THERE IS ROMEX AND PVC STILL EXISTING INSIDE THE WALLS. THE CONTRACTOR SHALL PROVIDE A UNIT COST OPTION IN THE CONTRACT. THIS UNIT COST OPTION WILL BE PROVIDED TO THE CONTRACTING OFFICER. AS THE CONTRACTOR CONTINUES THE DEMOLITION AND RUNS INTO ROMEX AND/OR PVC, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER. AT THAT TIME, THE CONTRACTING OFFICER WILL DETERMINE WHETHER TO REMOVE THE ROMEX OR PVC UTILIZING THE UNIT COST OPTION PROVIDED.

LP2B-6 (LEFT SIDE) FED WATER COOLER THAT HAS BEEN REMOVED.
 LP2B-34 (LEFT SIDE) WASHER RECEPTACLE THAT IS NO LONGER USED.
 LP2B-30.32 (LEFT SIDE) DRYER RECEPTACLE THAT IS NO LONGER USED.

SHERLOCK, SMITH & ADAMS, INC.		ROOSEVELT ROADS, P.R.	
ARCHITECTS - ENGINEERS		MONTEBELLO, ALABAMA	
U.S. NAVAL STATION		ROOSEVELT ROADS, P.R.	
REPAIRS TO NAVAL HOSPITAL			
ROMEX AND PVC DEMOLITION PLAN - SECOND FLOOR COMPOSITE			
CONTRACT NO.	SPECIFICATION NO.	NAVAL DRAWING NO.	DATE

DEPARTMENT OF THE NAVY NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL U.S. NAVAL STATION ROOSEVELT ROADS, P.R. REPAIRS TO NAVAL HOSPITAL ROMEX AND PVC DEMOLITION PLAN - SECOND FLOOR COMPOSITE	NAVAL FACILITIES ENGINEERING COMMAND DATE REVISION DESCRIPTION	ENC. DIV. DR.: DATE: SATISFACTORY TO: DATE: DESIGN BY: JEA DRAWN BY: CBN
	PLATE NO. ED2-13	SHEET 7 OF 72 DWG. #

LIGHTING FIXTURE SCHEDULE

FIXTURE MARK	LAMPS			CU @ RCR=1	DESCRIPTION
	NO.	WATTS	TYPE		
A	2	32	F32T8/ 3500K	78	FLUORESCENT RECESSED STATIC LENSED LUMINAIRE, 2"x4" LAY-IN, FLAT STEEL DOOR, CAM LATCHES, CLEAR ACRYLIC PRISMATIC LENS, 277 VOLT
B	3	32	F32T8/ 3500K	75	FLUORESCENT RECESSED STATIC LENSED LUMINAIRE, 2"x4" LAY-IN, FLAT STEEL DOOR, CAM LATCHES, CLEAR ACRYLIC PRISMATIC LENS, 277 VOLT
C	4	32	F32T8/ 3500K	71	FLUORESCENT RECESSED STATIC LENSED LUMINAIRE, 2"x4" LAY-IN, FLAT STEEL DOOR, CAM LATCHES, CLEAR ACRYLIC PRISMATIC LENS, 277 VOLT
D	1	32	F32T8/ 3500K	87	INDUSTRIAL FLUORESCENT FIXTURE WITH WIREGUARD, MOUNT 9'-0" A.F.F. IN MECH. ROOMS AND 8'-0" EVERYWHERE ELSE UNLESS NOTED OTHERWISE, 277 VOLT.
E	2	32	F32T8/ 3500K	87	INDUSTRIAL FLUORESCENT FIXTURE WITH WIREGUARD, MOUNT 9'-0" A.F.F. IN MECH. ROOMS AND 8'-0" EVERYWHERE ELSE UNLESS NOTED OTHERWISE, 277 VOLT.
F	4	32	F32T8/ 3500K	71	SAME AS FIXTURE E EXCEPT APPROVED FOR DAMP LOCATIONS.
L	2	32	F32SP35/ U/6	86	FLUORESCENT RECESSED STATIC LENSED LUMINAIRE, 2"x2" LAY-IN, FLAT STEEL DOOR, CAM LATCHES, CLEAR ACRYLIC PRISMATIC LENS, 277 VOLT.
O	2	32	F32T8/ 3500K	78	FLUORESCENT RECESSED STATIC LENSED LUMINAIRE, 2"x4" LAY-IN WITH 18" DEEP SEMI SPECULAR PARABOLIC LOUVERS, 277 VOLT.
X	120 (APP. PER FACE)	-	LED	-	SURFACE MOUNTED, LIGHT EMITTING DIODE (LED) EXIT SIGN, SINGLE FACE, RED ILLUMINATION, ALUMINUM HOUSING, BRUSHED ALUMINUM FINISH, 277 VOLT.

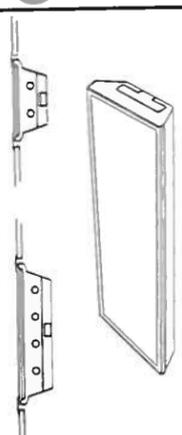
FIXTURE SCHEDULE NOTES

1. ALL STRIP TYPE FIXTURES SHALL HAVE LAMP SOCKETS OF THE TYPE REQUIRING A FORCED MOVEMENT ALONG THE LONGITUDINAL AXIS OF THE LAMP FOR INSERTION AND REMOVAL OF THE LAMP.
2. ALL RECESSED FIXTURES SHALL BE COMPLETE WITH APPROPRIATE FRAME FOR THE CEILING TYPE IN WHICH IT SHALL BE INSTALLED. A PARTICULAR FIXTURE MARK MAY BE SHOWN IN MORE THAN ONE TYPE CEILING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH CEILING TYPES.
3. LOCATE FIXTURES IN MECHANICAL, COMMUNICATIONS, AND ELECTRICAL ROOMS TO AVOID EQUIPMENT AND PROVIDE EFFICIENT LIGHTING FOR THE TASK INVOLVED.
4. EXACT LOCATION OF FIXTURES SHALL BE AS SHOWN ON REFLECTED CEILING PLANS.
5. MOUNTING HEIGHT OF FIXTURES SHALL BE AS SHOWN IN THE FIXTURE SCHEDULE UNLESS NOTED OTHERWISE.

SHERLOCK, SMITH & ADAMS, INC. ARCHITECTS - ENGINEERS MONTEBELL, ALABAMA		ROOSEVELT ROADS, P.R.	
U.S. NAVAL STATION REPAIRS TO NAVAL HOSPITAL		REPAIRS TO NAVAL HOSPITAL	
LIGHTING FIXTURE SCHEDULE & NOTES		LIGHTING FIXTURE SCHEDULE & NOTES	
CONTRACT NO.	SPECIFICATION NO.	NAVY/AFIC DWG. NO.	SHEET 2 OF 22

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL ROOSEVELT ROADS, P.R. U.S. NAVAL STATION REPAIRS TO NAVAL HOSPITAL LIGHTING FIXTURE SCHEDULE & NOTES	REVISION DESCRIPTION 	DATE 	ENG. DV. DR.: DATE: SATISFACTORY TO: DATE: DESIGN BY: JEA DRAWN BY: CBN CHK BY: RES APPROVED:
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EL4-1



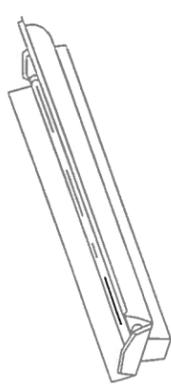
LUMINAIRE REQUIREMENTS

1. HOUSING SHALL BE 0.026" MIN. THICKNESS. HEIGHT SHALL BE 4" MIN. AND SHALL NOT PERMANENTLY DEFORM WHEN LIFTED BY ONE CORNER WITH LENS DOOR IN PLACE NOR WITH LENS DOOR REMOVED. LENS DOOR SHALL NOT OPEN WHEN LUMINAIRE IS LIFTED BY ONE CORNER. LUMINAIRE SHALL HAVE LESS THAN THE FOLLOWING DEFLECTION WHEN LIFTED BY ONE CORNER WITH LENS DOOR REMOVED:

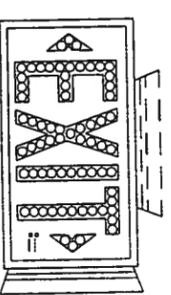
TYPE	A	B	C, D, E, F
	3"	2 1/2"	4"

- HOUSING SHALL BE CHEMICALLY TREATED FOR RUST PREVENTION AND HAVE BAKED WHITE ENAMEL FINISH 85% MIN. REFLECTANCE (INTERIOR). PAINT ENTIRE HOUSING AND LENS DOOR WHITE. AFTER FABRICATION HOUSING SHALL HAVE INTERNAL GREEN GROUNDING SCREW.
 - LATCHES SHALL BE A 0.030" MINIMUM THICKNESS STEEL OR 0.015" MINIMUM THICKNESS SPRING STEEL.
 - LENS DOOR SHALL BE 0.023" MINIMUM THICKNESS STEEL. SHALL BE ASSEMBLED WITH SCREWS FOR LENS REPLACEMENT. PROVIDE LIGHT TIGHT FIT WITHOUT ADJUSTABLE Baffles. GASKETING SHALL NOT BE A MEANS OF ACHIEVING LIGHT TIGHT DOOR.
 - LENS SHALL BE 0.056" PATTERN 19 FOR TYPES A, C, D, E, F AND 0.023" PATTERN 12 FOR TYPE B PLUS OR MINUS 10% OVERALL 0.009 MAX. PRISM PENETRATION) CLEAR PRISMATIC 100% ACRYLIC.
 - DOOR SHALL BE CAPABLE OF HINGING AND LATCHING FROM EITHER SIDE OF LUMINAIRE. PROVIDE SAFETY TYPE HINGES.
 - BALLAST SHALL BE HIGH POWER FACTOR (> .95) INSTANT START CLASS P ELECTRONIC BALLAST WITH SOUND RATING OF "A". SECURE BALLAST TO HOUSING WITH AT LEAST ONE SCREW AND SLIP-ON BRACKET OR 2 SCREWS ONE AT EACH END.
 - PHOTOMETRICS: MINIMUM COEFFICIENT OF UTILIZATION (CU) FOR THE FOLLOWING CAVITY REFLECTANCES: CEILING = 80% FLOOR = 20% LUMINANCE USING 3500 LAMP VOLT AVG MAX RATIO NOT TO EXCEED 15.
- | ROOM CAVITY RATIO | TYPE | A | B | C | D | E | F | AVG. LUMINANCE (FL) |
|-------------------|------|------|------|------|------|------|---|---------------------|
| 1 | | 0.67 | 0.59 | 0.71 | 0.66 | 0.67 | | 45 = 2250 |
| 2 | | 0.60 | 0.53 | 0.65 | 0.60 | 0.59 | | 55 = 1665 |
| 3 | | 0.54 | 0.48 | 0.57 | 0.54 | 0.53 | | 65 = 1125 |
| MIN. S/MH | | 0.49 | 0.44 | 0.51 | 0.48 | 0.47 | | 75 = 750 |
| | | 12 | 11 | 13 | 13 | 13 | | 85 = 495 |
- PROVIDE MOUNTING HARDWARE COMPATIBLE WITH CEILING MATERIAL IN WHICH LUMINAIRE IS TO BE INSTALLED.
- TYPE: A, B, C, D, E, F

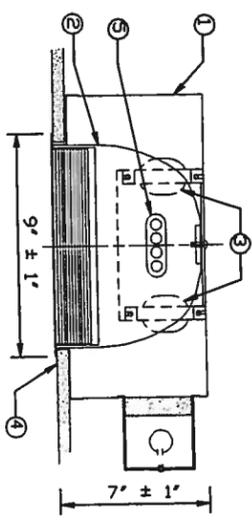
- FLUORESCENT TROFFER LUMINAIRE LENS TYPE**
- TYPE: A, B, C, D, E, F
- LUMINAIRE REQUIREMENTS**
- HOUSING SHALL BE 0.026" MINIMUM THICKNESS DIE FORMED COLD ROLLED STEEL. CHEMICALLY TREATED FOR RUST PREVENTION AND FINISHED WITH WHITE BAKED ENAMEL OR POLYESTER FINISH. PROVIDE TOP AND END KNOCKOUTS IN FIXTURE AND METAL END PLATES.
 - HOUSING WELDED OR SECURED BY SCREWS, RIVETS OR SNAP TOGETHER TABS AND SLOTS. INTO A SINGLE ASSEMBLY. PROVIDE INTERNAL GREEN GROUNDING SCREW.
 - REFLECTOR SHALL BE 0.019" MINIMUM THICKNESS STEEL (SD 10 WHEN LUMINAIRE IS MOUNTED BELOW CATWALKS, ETC. 10-20% APERTURES WHEN PROTECTED FROM FALLING OBJECTS) PROVIDE 30° SHIELDING CENTER VEE. CHEMICALLY TREAT FOR RUST PREVENTION AND FINISH WITH WHITE BAKED ENAMEL, PORCELAIN ENAMEL, OR POLYESTER FINISH. MINIMUM REFLECTANCE SHALL BE 85%.
 - THE LUMINAIRE SHALL NOT PERMANENTLY DEFORM WHEN LIFTED BY ONE CORNER.
 - SPACING TO MOUNTING HEIGHT RATIO = 13
 - LUMINAIRE SHALL BE CAPABLE OF CONTINUOUS ROW AND SINGLE UNIT PLACEMENT WITH PENDANT OR SURFACE MOUNTING.
 - BALLAST SHALL BE HIGH POWER FACTOR (> .95) INSTANT START CLASS P ELECTRONIC BALLAST WITH A SOUND RATING OF "A".
- DEFINITIONS
1. WIRE GUARD
- TYPE: A - 2 F32/T8 LAMPS
B - 1 F32/T8 LAMP
- INDUSTRIAL FLUORESCENT**
- TYPE: A, B



- LUMINAIRE REQUIREMENTS**
- HOUSING SHALL BE MINIMUM 0.026" THICK STEEL. HOUSING SHALL BE CHEMICALLY TREATED FOR RUST PREVENTION AND PAINT ADHESION. ENDS SHALL BE SECURED WITH SCREWS OR WELDED. HOUSING SHALL BE COMPLETELY PAINTED AFTER FABRICATION WITH MINIMUM 85% REFLECTANCE WHITE ENAMEL. MINIMUM DEPTH OF HOUSING 7" ± 1". MINIMUM DEPTH OF LOUVER SHALL BE 4".
 - LUMINAIRE SHALL HAVE FULL MATTE BLACK REVEAL. FOR FLOATING DOOR EFFECT. PROVIDE MOUNTING TRIM AND HARDWARE COMPATIBLE WITH CEILING MATERIAL.
 - LUMINAIRE SHALL BE HIGH EFFICIENCY, LOW BRIGHTNESS TYPE WITH INTERLOCKED LOUVERS CONTIGUOUS TO A PARABOLIC SHAPE. LOUVERS SHALL BE OF MINIMUM .0235" SEMI-SPECULAR ANODIZED ALUMINUM IN NATURAL OR GOLD FINISH AS INDICATED.
 - FIXTURE HOUSING SHALL HAVE INTERNAL GREEN GROUNDING SCREW.
 - NO EXPOSED INTERNAL WIRING.
 - BALLAST SHALL BE HIGH POWER FACTOR (> .95) INSTANT START CLASS P ELECTRONIC BALLAST WITH SOUND RATING OF "A". SECURE BALLAST TO HOUSING WITH AT LEAST ONE SCREW AND SLIP-ON BRACKET OR 2 SCREWS, ONE AT EACH END.
 - LOUVER SHALL BE SUITABLE FOR HINGING FROM EITHER SIDE AND SHALL HAVE TWO SAFETY HINGES AND TWO SPRING LOADED LATCHES OR FOUR SPRING LOADED LATCHES.
- LAMP TYPES
- TYPE A - 2'x2' - 2 F40/T5 LONG TWIN TUBE LAMPS - 9, 12 OR 16 CELLS.
TYPE B - 2'x2' - 3 F40/T5 LONG TWIN TUBE LAMPS - 9, 12 OR 16 CELLS.
TYPE C - 2'x4' - 2 F32/T8 LAMPS - 12, 16, 24 OR 32 CELLS
TYPE D - 2'x4' - 3 F32/T8 LAMPS - 18, 24 OR 32 CELLS
TYPE E - 2'x4' - 4 F32/T8 LAMPS - 12, 24 OR 32 CELLS
- NOTE: INDICATE FINISH AND NO. OF CELLS.
- PARABOLIC TROFFERS**
- TYPE: A

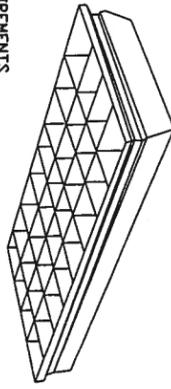


- LUMINAIRE REQUIREMENTS**
- ALUMINUM STEEL THERMOPLASTIC OR POLYCARBONATE HOUSING.
 - BUSHED ALUMINUM THERMOPLASTIC OR STEEL STENCIL WITH LETTERS 6 INCHES TALL AND 3/4" WIDE STRIKES AND PUNCH-OUT FACE FOR LED'S OR INTERNAL LED ILLUMINATION.
 - RED ILLUMINATION PROVIDED BY LIGHT EMITTING DIODES (LED). APPROXIMATELY 120 LED'S PER FACE. (THIS QUANTITY DOES NOT APPLY TO INTERNALLY ILLUMINATED SIGNS)
 - CLEAR PROTECTIVE NON-BREAKABLE LENS TO PROTECT LED'S. (NOT REQUIRED FOR INTERNALLY ILLUMINATED SIGNS)
 - PROVIDE POWER FAILURE BROWN OUT PROTECTION AND SURGE PROTECTION.
 - PROVIDE NI-CAD BATTERY POWER AND SOLID STATE TYPE CHARGER.
 - PROVIDE UNIVERSAL ARROWS AND BLANK OFF PLATES.
 - PROVIDE SINGLE OR DOUBLE FACE AS INDICATED ON PLANS.
 - PROVIDE UNIVERSAL MOUNTING.
 - UNITS MOUNTED EXPOSED TO THE ELEMENTS OR IN CLASSIFIED AREAS SHALL HAVE UL LABEL AS INDICATED.
 - PROVIDE INTERNAL GREEN GROUNDING SCREW.
 - PROVIDE TEST BUTTON IN BOTTOM OF HOUSING.
 - PROVIDE INDICATOR LIGHTS IN FACE TO INDICATE WHEN UNIT IS ON NORMAL POWER OR ON BATTERY POWER.
 - HOUSING SHALL HAVE A MATTE BLACK FINISH, EXCEPT AS SPECIFIED OTHERWISE.
- NOTES:
- UNIT NOT AVAILABLE WITH VET LABEL.
 - UNIT IS AVAILABLE WITH DAMP LABEL.
- LIGHT EMITTING DIODE EXIT SIGN**
- TYPE: A



- LUMINAIRE REQUIREMENTS**
- HOUSING - ALUMINUM OR STEEL W/BAKED ENAMEL FINISH (12" X 12" ±1") PROVIDE INTERNAL GREEN GROUNDING SCREW.
 - REFLECTOR-SPECULAR ALUMINUM.
 - HIGH POWER FACTOR (> .9) ELECTROMAGNETIC BALLAST.
 - TRIM FLANGE-WHITE ACRYLIC PAINT OR ALUMINUM.
 - LAMPS-COMPACT FLUORESCENT. SIZE AS INDICATED.
 - MINIMUM FIXTURE EFFICIENCY-65%.
 - SPACING TO MOUNTING HEIGHT RATIO-11
 - FIXTURE SHALL BE UL LISTED.
- TYPE A - 2 F9/T4 TWIN TUBE COMPACT FLUOR. LAMPS.
TYPE B - 2 F13/T4 TWIN TUBE COMPACT FLUOR. LAMPS.
- TYPE: A

- LUMINAIRE REQUIREMENTS**
- HOUSING SHALL BE MINIMUM 0.026" THICK STEEL. HOUSING SHALL BE CHEMICALLY TREATED FOR RUST PREVENTION AND PAINT ADHESION. ENDS SHALL BE SECURED WITH SCREWS OR WELDED. HOUSING SHALL BE COMPLETELY PAINTED AFTER FABRICATION WITH MINIMUM 85% REFLECTANCE WHITE ENAMEL. MINIMUM DEPTH OF HOUSING 7" ± 1". MINIMUM DEPTH OF LOUVER SHALL BE 4".
 - LUMINAIRE SHALL HAVE FULL MATTE BLACK REVEAL. FOR FLOATING DOOR EFFECT. PROVIDE MOUNTING TRIM AND HARDWARE COMPATIBLE WITH CEILING MATERIAL.
 - LUMINAIRE SHALL BE HIGH EFFICIENCY, LOW BRIGHTNESS TYPE WITH INTERLOCKED LOUVERS CONTIGUOUS TO A PARABOLIC SHAPE. LOUVERS SHALL BE OF MINIMUM .0235" SEMI-SPECULAR ANODIZED ALUMINUM IN NATURAL OR GOLD FINISH AS INDICATED.
 - FIXTURE HOUSING SHALL HAVE INTERNAL GREEN GROUNDING SCREW.
 - NO EXPOSED INTERNAL WIRING.
 - BALLAST SHALL BE HIGH POWER FACTOR (> .95) INSTANT START CLASS P ELECTRONIC BALLAST WITH SOUND RATING OF "A". SECURE BALLAST TO HOUSING WITH AT LEAST ONE SCREW AND SLIP-ON BRACKET OR 2 SCREWS, ONE AT EACH END.
 - LOUVER SHALL BE SUITABLE FOR HINGING FROM EITHER SIDE AND SHALL HAVE TWO SAFETY HINGES AND TWO SPRING LOADED LATCHES OR FOUR SPRING LOADED LATCHES.
- LAMP TYPES
- TYPE A - 2'x2' - 2 F40/T5 LONG TWIN TUBE LAMPS - 9, 12 OR 16 CELLS.
TYPE B - 2'x2' - 3 F40/T5 LONG TWIN TUBE LAMPS - 9, 12 OR 16 CELLS.
TYPE C - 2'x4' - 2 F32/T8 LAMPS - 12, 16, 24 OR 32 CELLS
TYPE D - 2'x4' - 3 F32/T8 LAMPS - 18, 24 OR 32 CELLS
TYPE E - 2'x4' - 4 F32/T8 LAMPS - 12, 24 OR 32 CELLS
- NOTE: INDICATE FINISH AND NO. OF CELLS.
- PARABOLIC TROFFERS**
- TYPE: A



- LUMINAIRE REQUIREMENTS**
- ALUMINUM STEEL THERMOPLASTIC OR POLYCARBONATE HOUSING.
 - BUSHED ALUMINUM THERMOPLASTIC OR STEEL STENCIL WITH LETTERS 6 INCHES TALL AND 3/4" WIDE STRIKES AND PUNCH-OUT FACE FOR LED'S OR INTERNAL LED ILLUMINATION.
 - RED ILLUMINATION PROVIDED BY LIGHT EMITTING DIODES (LED). APPROXIMATELY 120 LED'S PER FACE. (THIS QUANTITY DOES NOT APPLY TO INTERNALLY ILLUMINATED SIGNS)
 - CLEAR PROTECTIVE NON-BREAKABLE LENS TO PROTECT LED'S. (NOT REQUIRED FOR INTERNALLY ILLUMINATED SIGNS)
 - PROVIDE POWER FAILURE BROWN OUT PROTECTION AND SURGE PROTECTION.
 - PROVIDE NI-CAD BATTERY POWER AND SOLID STATE TYPE CHARGER.
 - PROVIDE UNIVERSAL ARROWS AND BLANK OFF PLATES.
 - PROVIDE SINGLE OR DOUBLE FACE AS INDICATED ON PLANS.
 - PROVIDE UNIVERSAL MOUNTING.
 - UNITS MOUNTED EXPOSED TO THE ELEMENTS OR IN CLASSIFIED AREAS SHALL HAVE UL LABEL AS INDICATED.
 - PROVIDE INTERNAL GREEN GROUNDING SCREW.
 - PROVIDE TEST BUTTON IN BOTTOM OF HOUSING.
 - PROVIDE INDICATOR LIGHTS IN FACE TO INDICATE WHEN UNIT IS ON NORMAL POWER OR ON BATTERY POWER.
 - HOUSING SHALL HAVE A MATTE BLACK FINISH, EXCEPT AS SPECIFIED OTHERWISE.
- NOTES:
- UNIT NOT AVAILABLE WITH VET LABEL.
 - UNIT IS AVAILABLE WITH DAMP LABEL.
- LIGHT EMITTING DIODE EXIT SIGN**
- TYPE: A

CONSTR. CONTR. NO.	NAVFAC DWG. NO.	PWC DWG. NO.
REVISION DESCRIPTION		
DATE		
DESIGN BY: RES	DRAWN BY: CON	APPROVED:
CHK BY:	DATE:	SATISFACTORY TO:
ENG. OR DR.:	DATE:	

U.S. NAVAL STATION
REPAIRS TO NAVAL HOSPITAL
LIGHT FIXTURE DETAILS

ROOSEVELT ROADS, P.R.

NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL

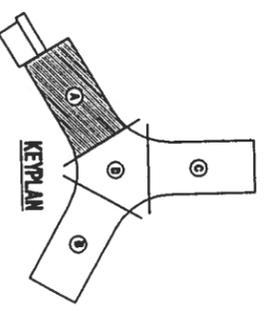
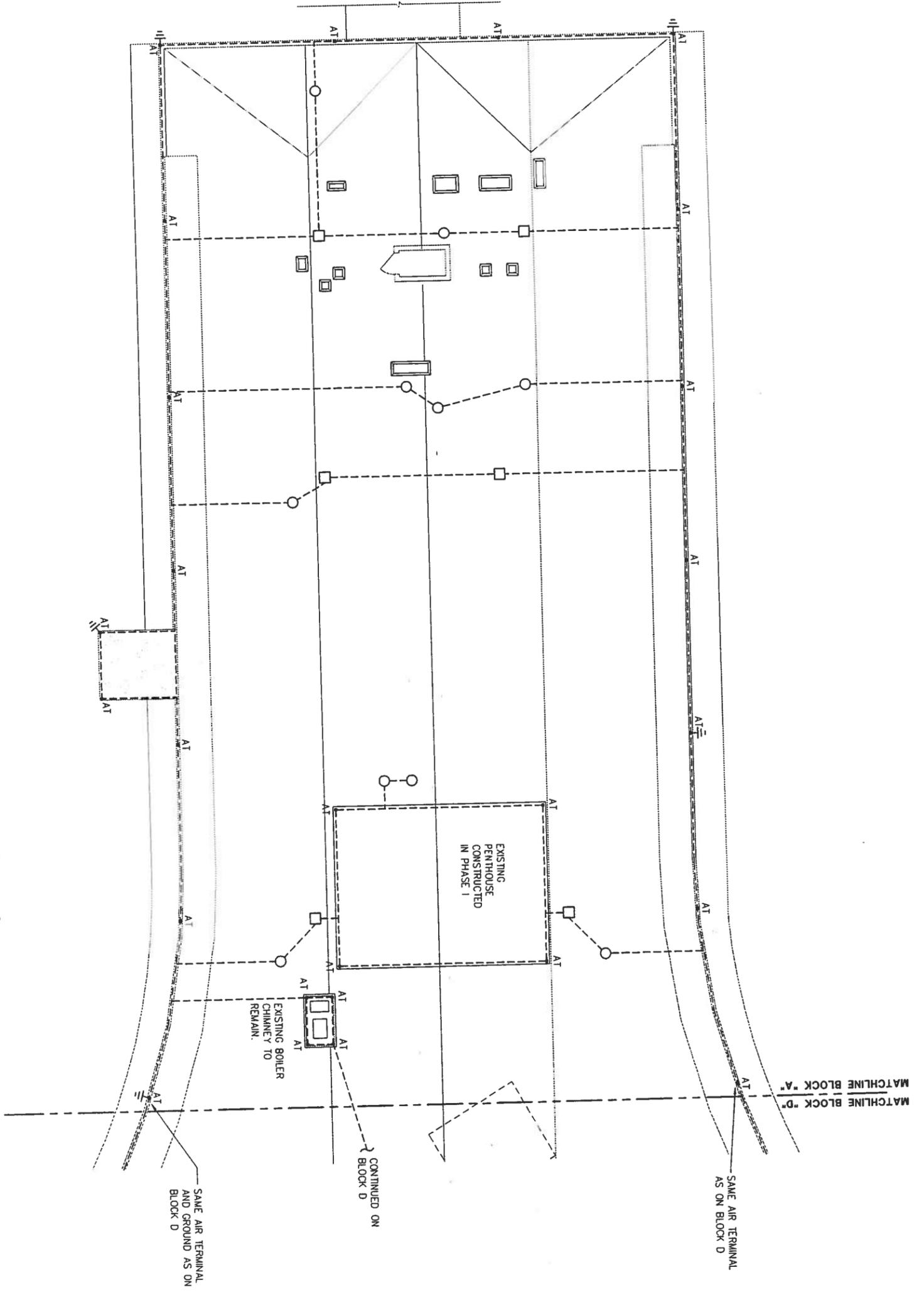
U.S. NAVAL STATION
REPAIRS TO NAVAL HOSPITAL
LIGHT FIXTURE DETAILS

ROOSEVELT ROADS, P.R.

NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL

DATE NO. E4-2

LIGHTNING PROTECTION - BLOCK A
ROOF FLOOR
 SCALE: 1/8" = 1'-0"



U.S. NAVAL STATION ROOSEVELT ROADS, P.R.	
SHERLOCK, SMITH & ADAMS, INC. ARCHITECTS - ENGINEERS MONTGOMERY, ALABAMA	
ELECTRICAL LIGHTNING PROTECTION PLAN - BLOCK A	
CONSTR. CONTR. NO.	NAVAC DWG. NO.
SHEET 2 OF 22	

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	REVISION DESCRIPTION	DATE
NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL		
U.S. NAVAL STATION ROOSEVELT ROADS, P.R.		
REPAIRS TO NAVAL HOSPITAL		
ELECTRICAL LIGHTNING PROTECTION PLAN - BLOCK A		
CONSTR. CONTR. NO.	NAVAC DWG. NO.	PWIC DWG. NO.

ENG. DR. DIR.	DATE
SATISFACTORY TO:	DATE
DESIGN BY: JEA	DRAWN BY: CBN
CHK BY: RES	APPROVED:

PWIC # ELP-1
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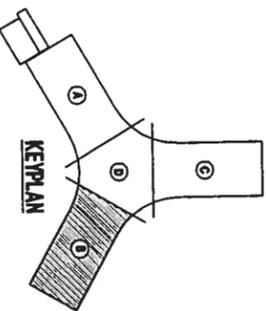
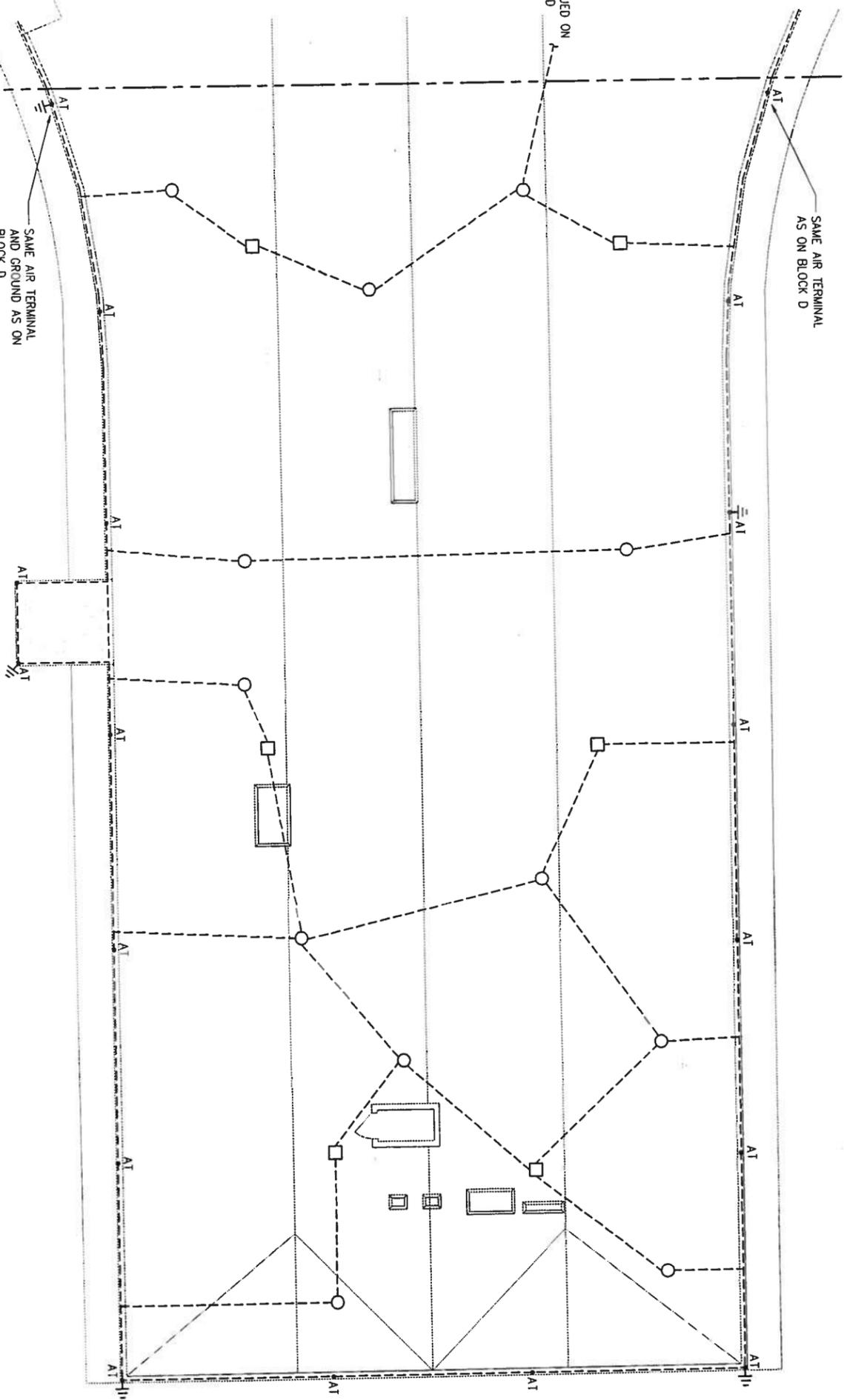
MATCHLINE BLOCK "D"
MATCHLINE BLOCK "B"

SAME AIR TERMINAL
AND GROUND AS ON
BLOCK D

CONTINUED ON
BLOCK D

SAME AIR TERMINAL
AS ON BLOCK D

LIGHTNING PROTECTION - BLOCK B
ROOF FLOOR
SCALE: 1/8" = 1'-0"



SHERLOCK, SMITH & ADAMS, INC. ARCHITECTS - ENGINEERS MONTESSERY, ALABAMA		ROOSEVELT ROADS, P.R.	
U.S. NAVAL STATION REPAIRS TO NAVAL HOSPITAL		ROOSEVELT ROADS, P.R.	
ELECTRICAL LIGHTNING PROTECTION PLAN - BLOCK B		SHEET 2 OF 22	
COST NO.	SPECIFICATION NO.	DATE	DATE

DEPARTMENT OF THE NAVY NAVY PUBLIC WORKS CENTER, JACKSONVILLE, FL U.S. NAVAL STATION ROOSEVELT ROADS, P.R. REPAIRS TO NAVAL HOSPITAL ELECTRICAL LIGHTNING PROTECTION PLAN - BLOCK B	NAVAL FACILITIES ENGINEERING COMMAND DATE: _____ REVISION DESCRIPTION: _____ DATE: _____ REVISION DESCRIPTION: _____ DATE: _____ REVISION DESCRIPTION: _____ DATE: _____	ENG. DR. BY: _____ DATE: _____ SATISFACTORY TO: _____ DATE: _____ DESIGN BY: JEA DRAWN BY: CBN CHK BY: RES APPROVED: _____
	PWC # _____	ELP-2