

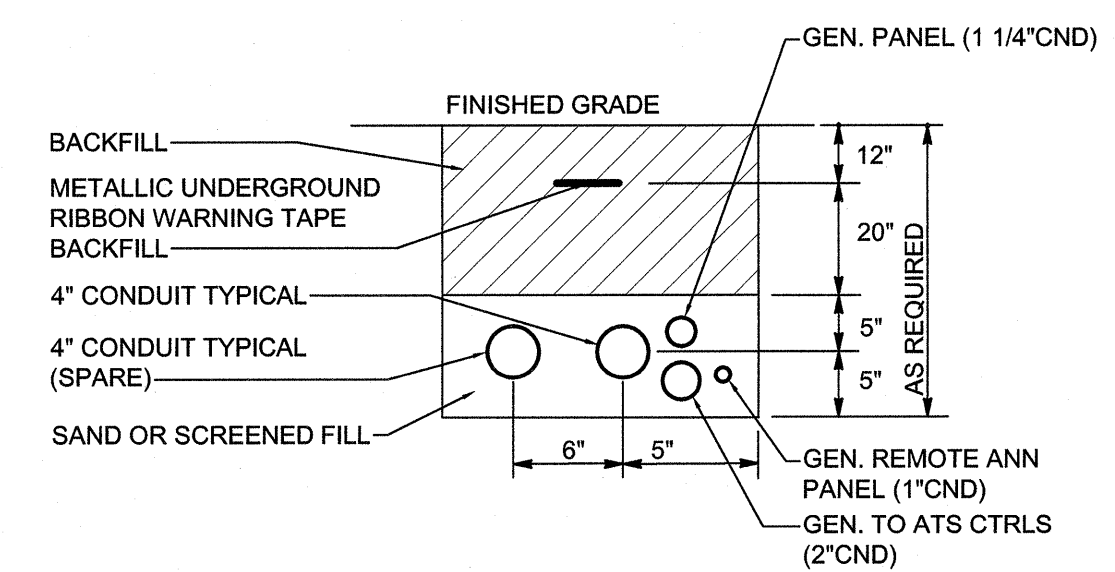
REVISIONS			
SYM		DATE	APPROVED

GENERAL NOTE

1. CONTRACTOR MUST FIELD LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING. COORDINATE TRENCH WITH EXISTING UNDERGROUND UTILITIES AND ADJUST EXACT LOCATIONS AS REQUIRED TO AVOID UTILITIES.

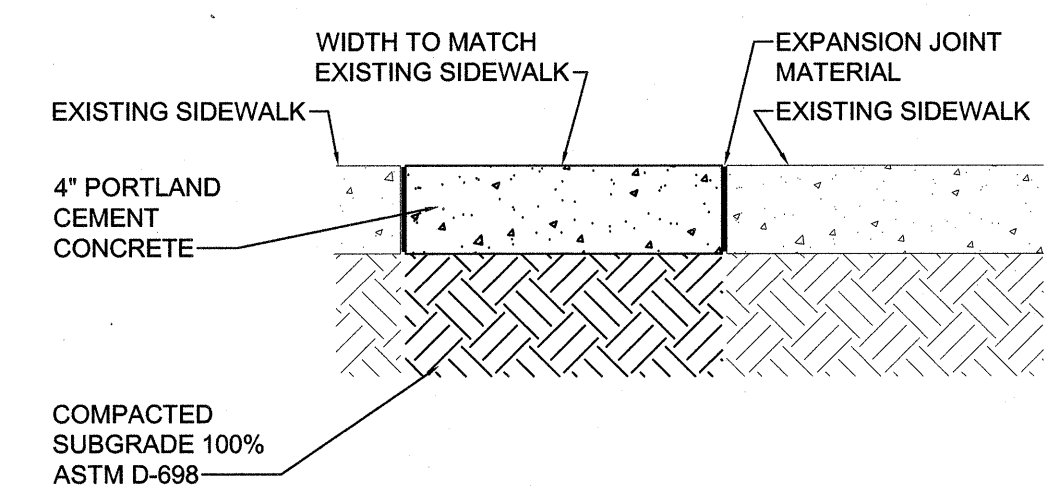
KEYED NOTES

- 1 NO WORK: EQUIPMENT / EXISTING UNDERGROUND UTILITIES SHALL REMAIN PROTECTED IN PLACE DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR MUST FIELD LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
- 2 MAIN SERVICE BREAKER: SEE E-601 FOR ADDITIONAL INFORMATION.
- 3 ATS: SEE E-601 FOR ADDITIONAL INFORMATION.
- 4 SPD: SEE E-601 FOR ADDITIONAL INFORMATION.
- 5 GENERATOR: PROVIDE AND INSTALL GENERATOR, SUB-BASE FUEL TANK AND ALL ASSOCIATED CONDUIT, CONDUCTORS AND CONTROLS.
- 6 GENERATOR REMOTE ANN PANEL: COORDINATE PLACEMENT OF ANNUNCIATOR PANEL WITH GOVERNMENT PRIOR TO ROUGH-IN OF CONDUIT.
- 7 CEILING / WALL REPAIR: CONTRACTOR MUST REPAIR CEILING AND WALLS IN AREAS WERE DEMOLISHED, PREP AND PAINT REPAIRED AREAS TO MATCH EXISTING WALLS AND CEILINGS.



2 GENERATOR DUCTBANK SECTION

NOT TO SCALE



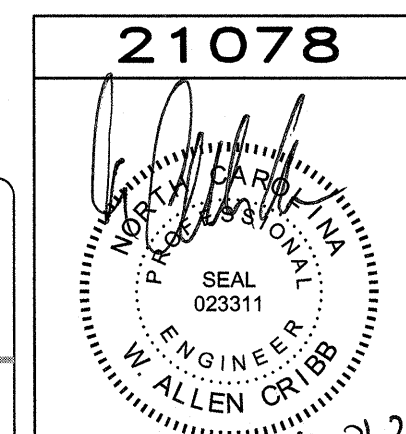
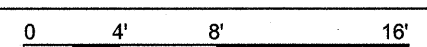
3 CONCRETE SIDEWALK REPAIR

NOT TO SCALE

BUILDING M303 FLOOR PLAN

1/8" = 1'-0"

PLAN NORTH



SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-001

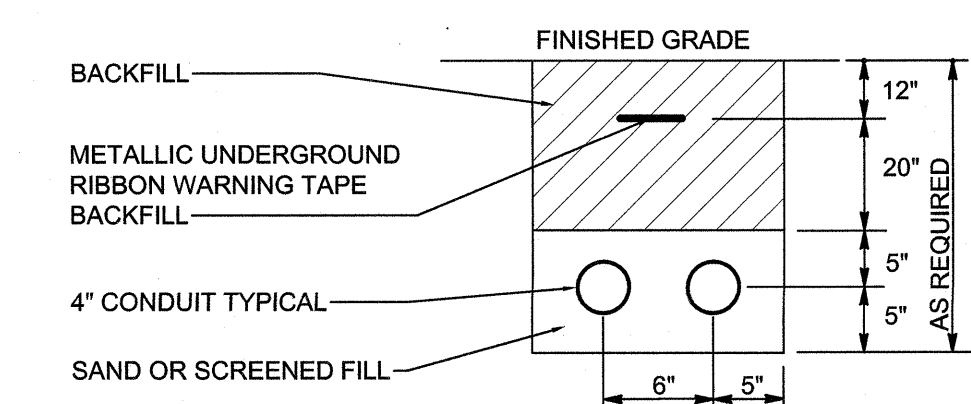
FINAL		E-101	
DES. HGH		MARINE CORPS BASE	
DR. HGH		CAMP LEJEUNE, NORTH CAROLINA	
CHK. WAC		INSTALL GENERATOR	
SUBMITTED BY:		BUILDING M303	
DESIGN DIR. T H BURTON, PE		BUILDING G710	
APPROVED: PWO OR OICC		ELECTRICAL	
DATE		SITE POWER PLAN	
SATISFACTORY TO:		BUILDING M303 GENERATOR	
DATE		CONST. CONTR.	
SCALE: -		SPEC. 05-20-0065	
		SHEET 9 OF 16	

SITE REPAIR NOTES

1. REMOVE ALL EROSION CONTROL MEASURES PRIOR TO PROJECT FINAL ACCEPTANCE.
2. CENTIPEDE SOD MUST BE USED BETWEEN MARCH 1 TO OCT 31.
3. ALL CONCRETE SIDEWALKS DAMAGED OR DEMOLISHED DURING CONSTRUCTION SHALL BE REPAIRED TO NEW CONDITION. SEE CONCRETE SIDE WALK REPAIR DETAIL 3/E-101.

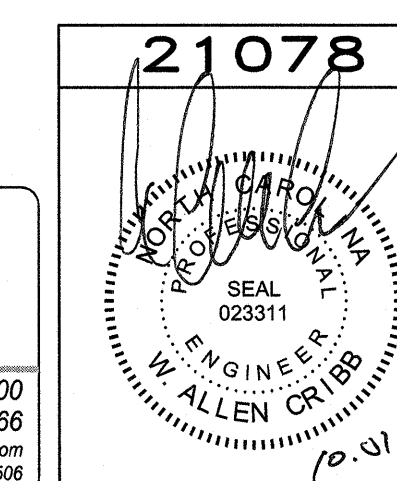
1	NO WORK: EQUIPMENT / EXISTING UNDERGROUND UTILITIES SHALL REMAIN PROTECTED IN PLACE DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR MUST FIELD LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
2	EXISTING SERVICE: INSTALL CONDUCTORS FROM EXISTING POLE MOUNTED TRANSFORMER SECONDARY CONDUCTORS TO MAIN BREAKER. PROVIDE CONDUIT RISER DOWN POLE TO BE REPAIRED AND COMPLETE TO MAIN BREAKER. SEE RISER DIAGRAM SHEET E-601 FOR ADDITIONAL REQUIREMENTS.
3	MAIN BREAKER: CONTRACTOR TO PROVIDE ENCLOSED MAIN BREAKER. SEE RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL REQUIREMENTS.
4	SPD: CONTRACTOR TO PROVIDE SURGE PROTECTION DEVICE. SEE RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL REQUIREMENTS.
5	ATS: CONTRACTOR TO PROVIDE 400A, AUTOMATIC TRANSFER SWITCH. SEE RISER DIAGRAM ON SHEET E-601 FOR ADDITIONAL REQUIREMENTS.
6	CEILING / WALL REPAIR: CONTRACTOR MUST REPAIR CEILING AND WALLS IN AREAS WHERE DEMOLISHED, PREP AND PAINT REPAIRED AREAS TO MATCH EXISTING WALLS AND CEILINGS.

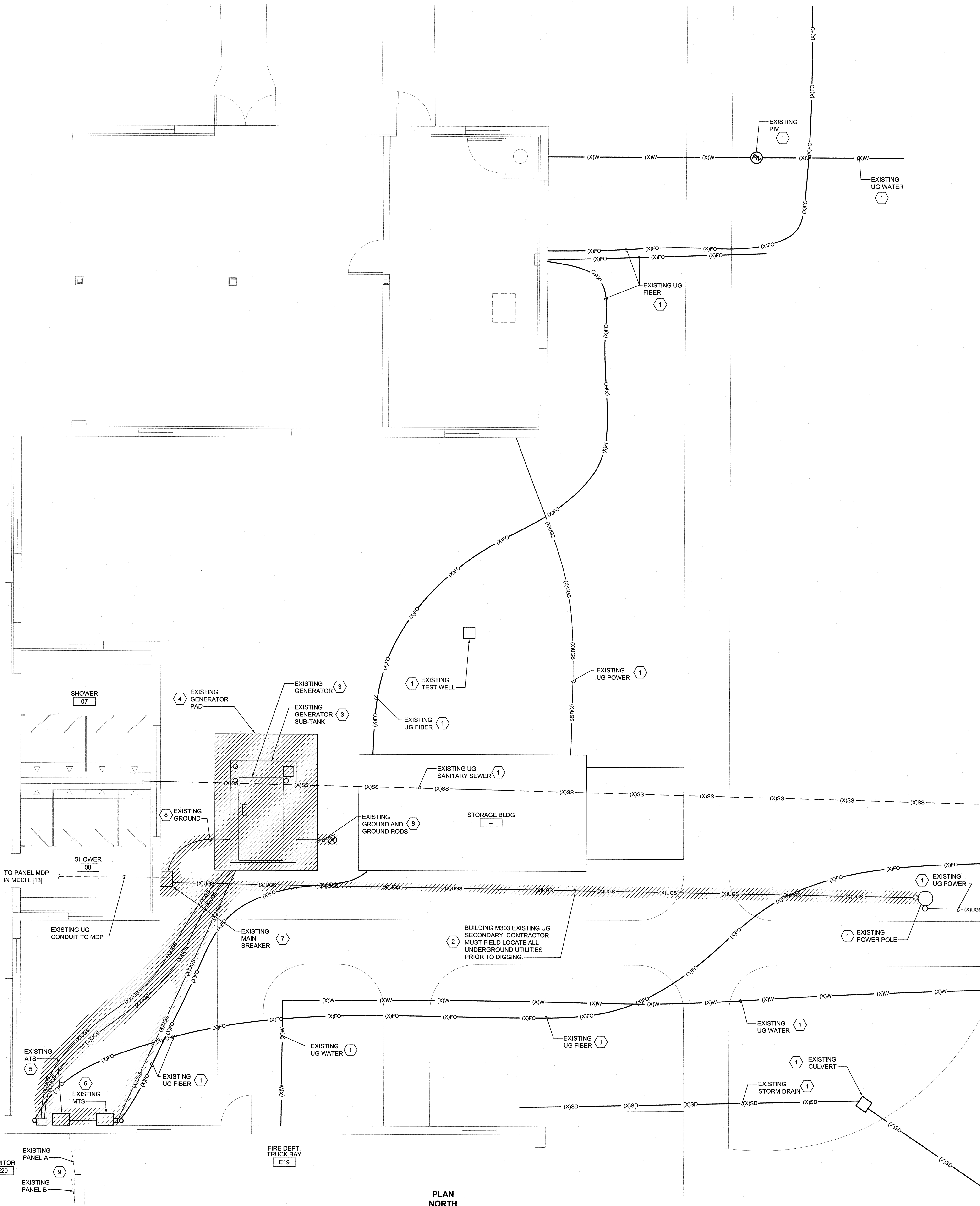
1. ALL CONDUIT MUST ENTER THE BOTTOM OR SIDE OF ALL ELECTRICAL EQUIPMENT MOUNTED EXTERIOR OF BUILDING.



2 SECONDARY DUCTBANK SECTION
NOT TO SCALE

FINAL		E-102	
		DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	
DES. HGH DR. HGH CHK. WAC		NAVAL FACILITIES ENGINEERING COMMAND INSTALL GENERATOR BUILDING M303 BUILDING G710	
SUBMITTED BY:		ELECTRICAL	
DESIGN DIR. T H BURTON, PE		ENLARGED SITE POWER PLAN AND SECTION BUILDING M303 GENERATOR	
APPROVED: PWO OR OCC		NAVFAC DRAWING NO. 60035715	
DATE		CONST. CONTR.	
SATISFACTORY TO:		SCALE: - SPEC. 05-20-0065 SHEET 10 OF 16	





1 BUILDING M303 FLOOR PLAN - DEMOLITION
1/4" = 1'-0"
PLAN NORTH

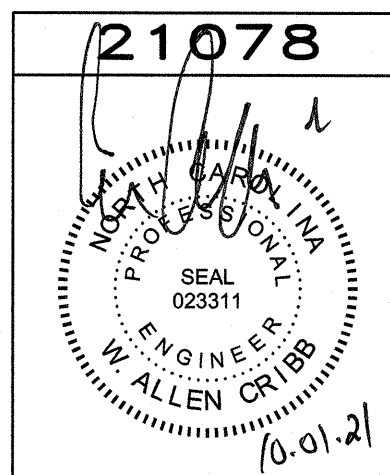
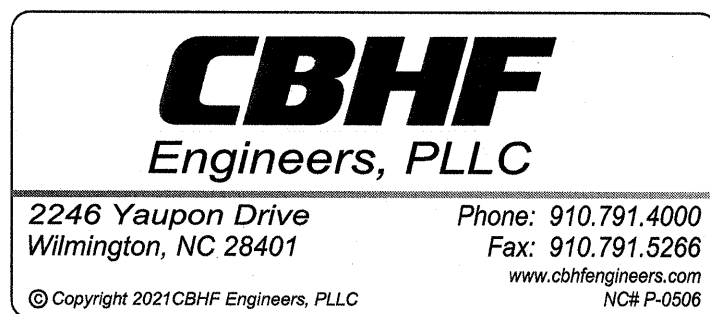
REVISIONS		
SYM	DATE	APPROVED

- GENERAL DEMOLITION NOTES**
- CONTRACTOR MUST FIELD LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING. COORDINATE TRENCH WITH EXISTING UNDERGROUND UTILITIES AND ADJUST EXACT LOCATIONS AS REQUIRED TO AVOID UTILITIES.
 - GOVERNMENT HAS RIGHT OF REFUSAL TO KEEP ELECTRICAL EQUIPMENT PRIOR TO REMOVAL.
 - GOVERNMENT REQUIRES A 2 WEEK NOTIFICATION PRIOR TO REMOVAL/DISCONNECTION OF EQUIPMENT.
 - REMOVE ALL APPURTENANCES ASSOCIATED WITH THE EQUIPMENT TO BE REMOVED SO THERE IS NO PRESENCE OF THE UTILITY AT GROUND SURFACE.
 - PROPERLY DISPOSE OF ALL REMOVED DEBRIS OFF GOVERNMENT PROPERTY. BACKFILL EXCAVATION MADE TO REMOVE DEBRIS WITH COMPACTED SELECT FILL MATERIAL.
 - INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE REGRADING. ALL DISTURBED AREAS ON THE SITE MUST BE STABILIZED WITH SOG. STABILIZE DISTURBED AREAS WITH TEMPORARY VEGETATION WITHIN 7 DAYS. ESTABLISH PERMANENT GROUND COVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF THE WORK.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH NCDEQ EROSION AND SEDIMENT CONTROL DESIGN MANUAL, LATEST EDITION.
 - INSPECT EROSION CONTROL MEASURES AT LEAST WEEKLY AND AFTER EACH RAIN EVENT, AND REPAIR TO ORIGINAL CONDITION AT INSTALLATION.
 - DO NOT EXCEED 2H:1V SLOPES WITH EXCAVATION LAYBACKS.

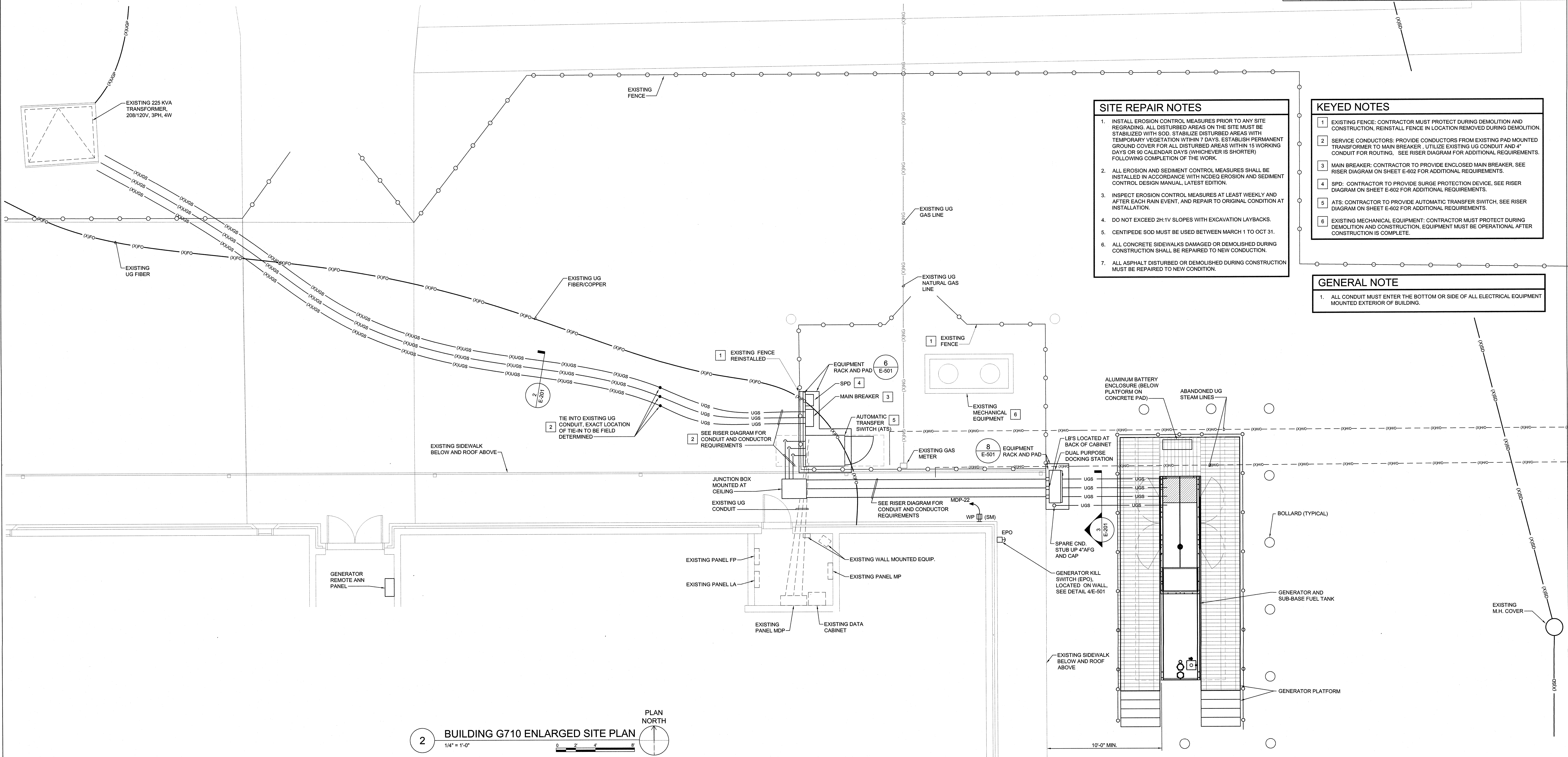
- DEMOLITION KEYED NOTES**
- NO WORK: EQUIPMENT / EXISTING UNDERGROUND UTILITIES SHALL REMAIN PROTECTED IN PLACE DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR MUST FIELD LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
 - BUILDING M303 SERVICE: REMOVE ALL CONDUCTORS FROM EXISTING SERVICE COMPLETE TO MAIN BREAKER, SEE DEMOLITION RISER ON DRAWINGS E-601.
 - GENERATOR AND SUB-BASE TANK: DISCONNECT AND REMOVE GENERATOR AND SUB-BASE FUEL TANK, SEE DEMOLITION RISER ON DRAWINGS E-601.
 - GENERATOR PAD: DEMOLISH AND REMOVE CONCRETE PAD, REPAIR AREA WHERE PAD WAS LOCATED TO MATCH EXISTING SURROUNDING AREA. SEE DEMOLITION RISER ON DRAWINGS E-601.
 - AUTOMATIC TRANSFER SWITCH (ATS): ATS TO BE REMOVED, SEE DEMOLITION RISER ON DRAWINGS E-601.
 - MANUAL TRANSFER SWITCH (MTS): MTS TO BE REMOVED, SEE DEMOLITION RISER ON DRAWINGS E-601.
 - MAIN BREAKER: BREAKER TO BE REMOVED, SEE DEMOLITION RISER ON DRAWINGS E-601.
 - GROUND RODS AND GROUND ROD: REMOVE CONDUIT, CONDUCTOR AND GROUND RODS.
 - JANITOR ROOM (E20): CONTRACTOR MUST REMOVE ONLY ENOUGH CEILING TO REMOVE CONDUIT AND CONDUCTORS FROM PANELS A AND B.

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-001

FINAL		ED101	
DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA			
DES. HGH		INSTALL GENERATOR	
CHK. HGH		BUILDING M303	
SUBMITTED BY: WAC		BUILDING G710	
DESIGN DIR. T H BURTON, PE		ELECTRICAL	
APPROVED: PWO OR OICC		ENLARGED DEMOLITION SITE POWER PLAN	
DATE		BUILDING M303 GENERATOR	
SATISFACTORY TO:		SIZE CODE IDENT. NO	NAVJAC DRAWING NO.
DATE		F 80091	60035716
SCALE: -		CONSTR. CONTR.	
SPEC. 05-20-0065		SHEET 11 OF 16	



REVISIONS		
SYM	DATE	APPROVED

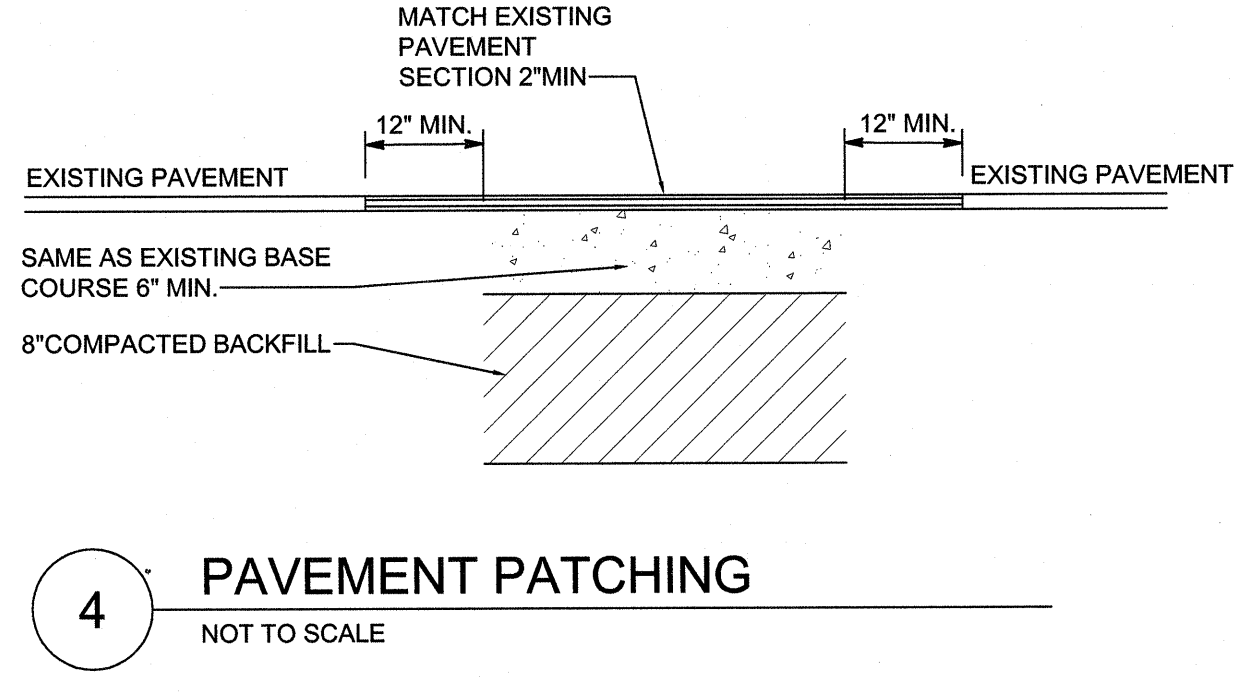
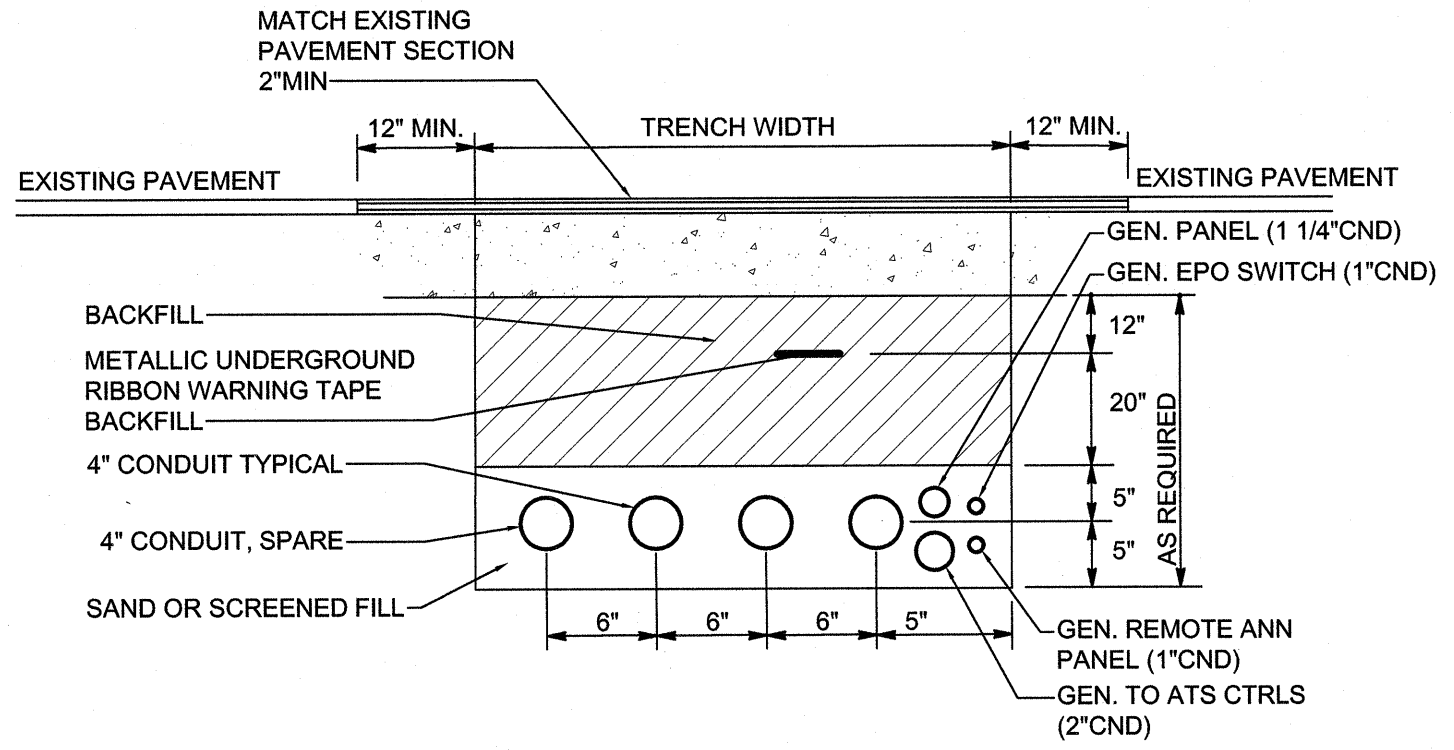
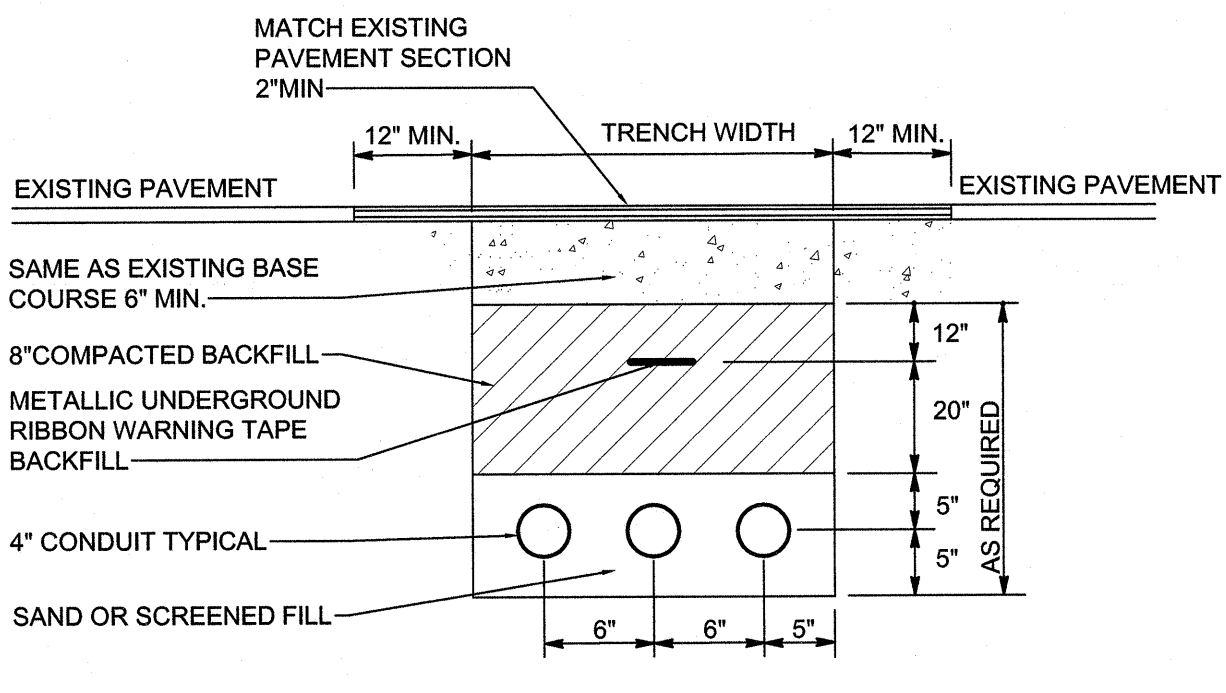


- SITE REPAIR NOTES**
1. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE REGRADING. ALL DISTURBED AREAS ON THE SITE MUST BE STABILIZED WITH SOD. STABILIZE DISTURBED AREAS WITH TEMPORARY VEGETATION WITHIN 7 DAYS. ESTABLISH PERMANENT GROUND COVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF THE WORK.
 2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH NCDEQ EROSION AND SEDIMENT CONTROL DESIGN MANUAL, LATEST EDITION.
 3. INSPECT EROSION CONTROL MEASURES AT LEAST WEEKLY AND AFTER EACH RAIN EVENT, AND REPAIR TO ORIGINAL CONDITION AT INSTALLATION.
 4. DO NOT EXCEED 2H:1V SLOPES WITH EXCAVATION LAYBACKS.
 5. CENTIPEDE SOD MUST BE USED BETWEEN MARCH 1 TO OCT 31.
 6. ALL CONCRETE SIDEWALKS DAMAGED OR DEMOLISHED DURING CONSTRUCTION SHALL BE REPAIRED TO NEW CONDUCTION.
 7. ALL ASPHALT DISTURBED OR DEMOLISHED DURING CONSTRUCTION MUST BE REPAIRED TO NEW CONDITION.

- KEYED NOTES**
1. EXISTING FENCE. CONTRACTOR MUST PROTECT DURING DEMOLITION AND CONSTRUCTION, REINSTALL FENCE IN LOCATION REMOVED DURING DEMOLITION.
 2. SERVICE CONDUCTORS. PROVIDE CONDUCTORS FROM EXISTING PAD MOUNTED TRANSFORMER TO MAIN BREAKER. UTILIZE EXISTING UG CONDUIT AND 4" CONDUIT FOR ROUTING. SEE RISER DIAGRAM FOR ADDITIONAL REQUIREMENTS.
 3. MAIN BREAKER. CONTRACTOR TO PROVIDE ENCLOSED MAIN BREAKER. SEE RISER DIAGRAM ON SHEET E-602 FOR ADDITIONAL REQUIREMENTS.
 4. SPD. CONTRACTOR TO PROVIDE SURGE PROTECTION DEVICE. SEE RISER DIAGRAM ON SHEET E-602 FOR ADDITIONAL REQUIREMENTS.
 5. ATS. CONTRACTOR TO PROVIDE AUTOMATIC TRANSFER SWITCH. SEE RISER DIAGRAM ON SHEET E-602 FOR ADDITIONAL REQUIREMENTS.
 6. EXISTING MECHANICAL EQUIPMENT. CONTRACTOR MUST PROTECT DURING DEMOLITION AND CONSTRUCTION. EQUIPMENT MUST BE OPERATIONAL AFTER CONSTRUCTION IS COMPLETE.

- GENERAL NOTE**
1. ALL CONDUIT MUST ENTER THE BOTTOM OR SIDE OF ALL ELECTRICAL EQUIPMENT MOUNTED EXTERIOR OF BUILDING.

2 BUILDING G710 ENLARGED SITE PLAN
1/4" = 1'-0"



SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-001

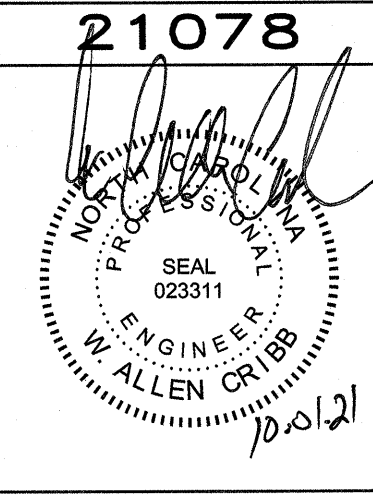
FINAL		E-201	
DES. HGH		MARINE CORPS BASE	
DR. HGH		CAMP LEJEUNE, NORTH CAROLINA	
CHK. WAC		INSTALL GENERATOR	
SUBMITTED BY:		BUILDING M303	
DESIGN DIR. T H BURTON, PE		BUILDING G710	
APPROVED: PWO OR OICC		ELECTRICAL	
DATE		SITE POWER PLAN AND SECTIONS	
SATISFACTORY TO:		BUILDING G710 GENERATOR	
DATE		NAVFAC DRAWING NO.	
SCALE: -		F 80091	
SPEC. 05-20-0065		CONST. CONTR.	
SHEET 12 OF 16			

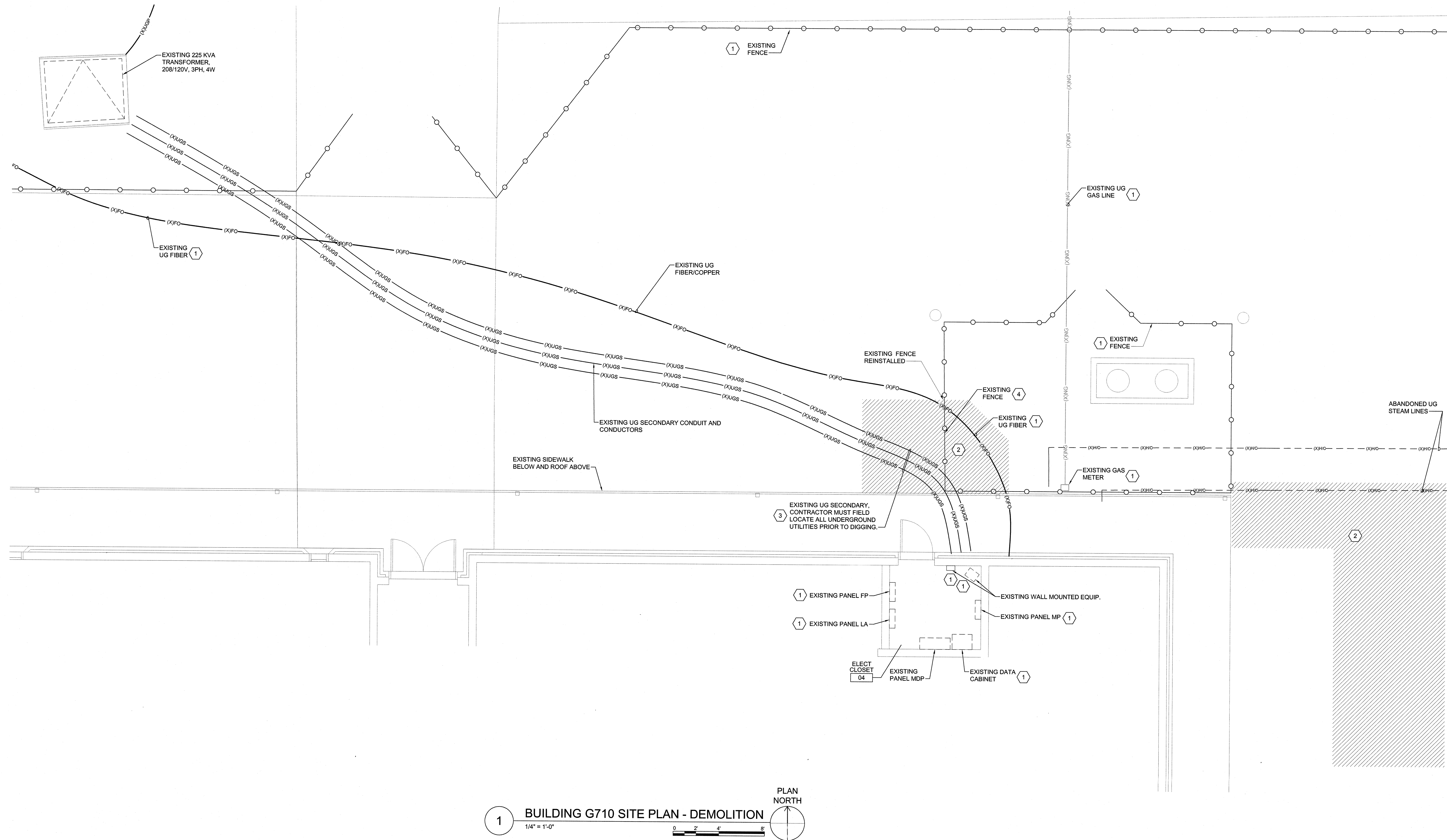
CBHF
Engineers, PLLC

2246 Yaupon Drive
Wilmington, NC 28401

Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfind.com

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REVISIONS		
SYM	DATE	APPROVED

- GENERAL DEMOLITION NOTES**
1. CONTRACTOR MUST FIELD LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING. COORDINATE TRENCH WITH EXISTING UNDERGROUND UTILITIES AND ADJUST EXACT LOCATIONS AS REQUIRED TO AVOID UTILITIES.
 2. GOVERNMENT HAS RIGHT OF REFUSAL TO KEEP ELECTRICAL EQUIPMENT PRIOR TO REMOVAL.
 3. GOVERNMENT REQUIRES A 2 WEEK NOTIFICATION PRIOR TO REMOVAL/DISCONNECTION OF EQUIPMENT.
 4. REMOVE ALL APPURTENANCES ASSOCIATED WITH THE EQUIPMENT TO BE REMOVED SO THERE IS NO PRESENCE OF THE UTILITY AT GROUND SURFACE.
 5. PROPERLY DISPOSE OF ALL REMOVED DEBRIS OFF GOVERNMENT PROPERTY. BACKFILL EXCAVATION MADE TO REMOVE DEBRIS WITH COMPACTED SELECT FILL MATERIAL.
 6. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE REGRADING. ALL DISTURBED AREAS ON THE SITE MUST BE STABILIZED WITH SOD. STABILIZE DISTURBED AREAS WITH TEMPORARY VEGETATION WITHIN 7 DAYS. ESTABLISH PERMANENT GROUND COVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF THE WORK.
 7. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH NCEQ EROSION AND SEDIMENT CONTROL DESIGN MANUAL, LATEST EDITION.
 8. INSPECT EROSION CONTROL MEASURES AT LEAST WEEKLY AND AFTER EACH RAIN EVENT, AND REPAIR TO ORIGINAL CONDITION AT INSTALLATION.
 9. DO NOT EXCEED 2H:1V SLOPES WITH EXCAVATION LAYBACKS.

- DEMOLITION KEYED NOTES**
- 1 NO WORK: EQUIPMENT / EXISTING UNDERGROUND UTILITIES SHALL REMAIN PROTECTED IN PLACE DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR MUST FIELD LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
 - 2 EXCAVATION: EXTRA CARE MUST BE TAKEN TO PROTECT UG FIBER AND ALL OTHER UG UTILITIES IN AREA WHERE ASPHALT IS TO BE DEMOLISHED.
 - 3 BUILDING G710 SERVICE: AFTER MAIN BREAKER, SPD, ATS, DUAL PURPOSE DOCKING STATION AND GENERATOR ARE INSTALLED AND OPERATIONAL REMOVE ALL CONDUCTORS FROM EXISTING PANEL MDP TO PAD MOUNTED TRANSFORMER. REMOVE UG CONDUIT ONLY IN AREA OF DEMOLITION TO MAKE TIE-IN. ALL REMAINING UG CONDUIT TO REMAIN FOR REUSE.
 - 4 EXISTING FENCE: CAREFULLY REMOVE EXISTING FENCE AND POLES IN ARE OF DEMOLITION AND PROTECT FOR REINSTALLATION.

1 BUILDING G710 SITE PLAN - DEMOLITION
1/4" = 1'-0"
0 2' 4' 8'
PLAN NORTH

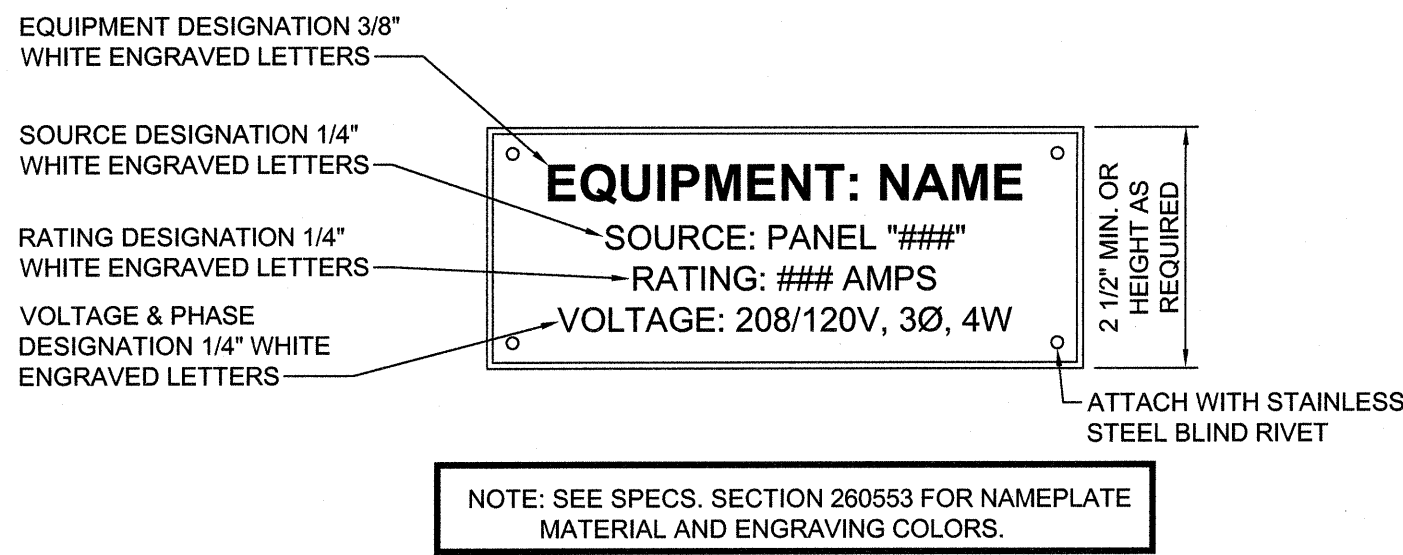
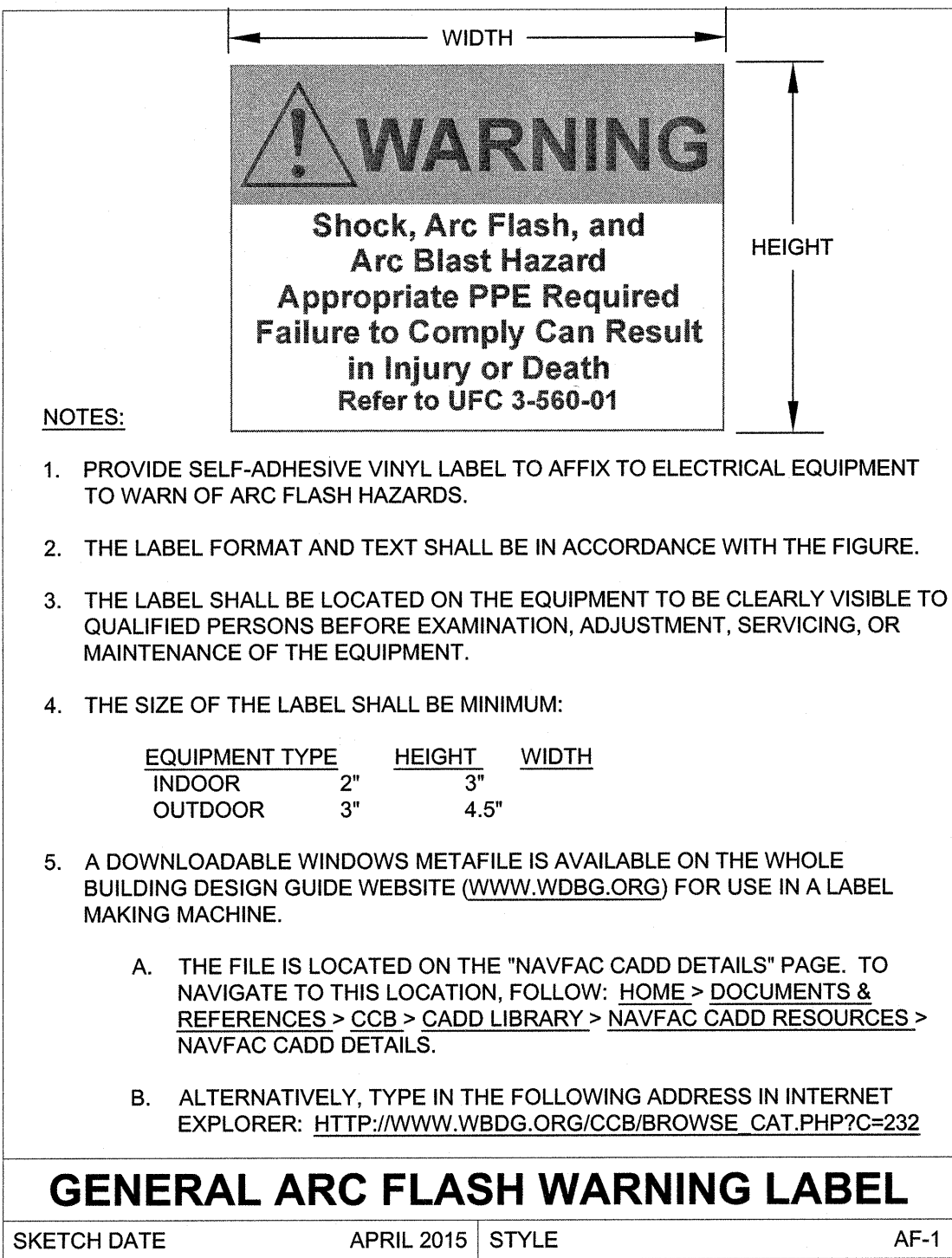
SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-001

FINAL		ED201	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		INSTALL GENERATOR BUILDING M303 BUILDING G710 ELECTRICAL DEMOLITION SITE POWER PLAN BUILDING G710 GENERATOR	
DES. HGH	DR. HGH	CHK. WAC	SUBMITTED BY:
DESIGN DIR. T H BURTON, PE	DATE	APPROVED: PWO OR OIC	DATE
SATISFACTORY TO:		DATE	SCALE: -
SIZE CODE IDENT. NO		NAVFAC DRAWING NO.	
F 80091		60035718	
CONST. CONTR.		SHEET 13 OF 16	

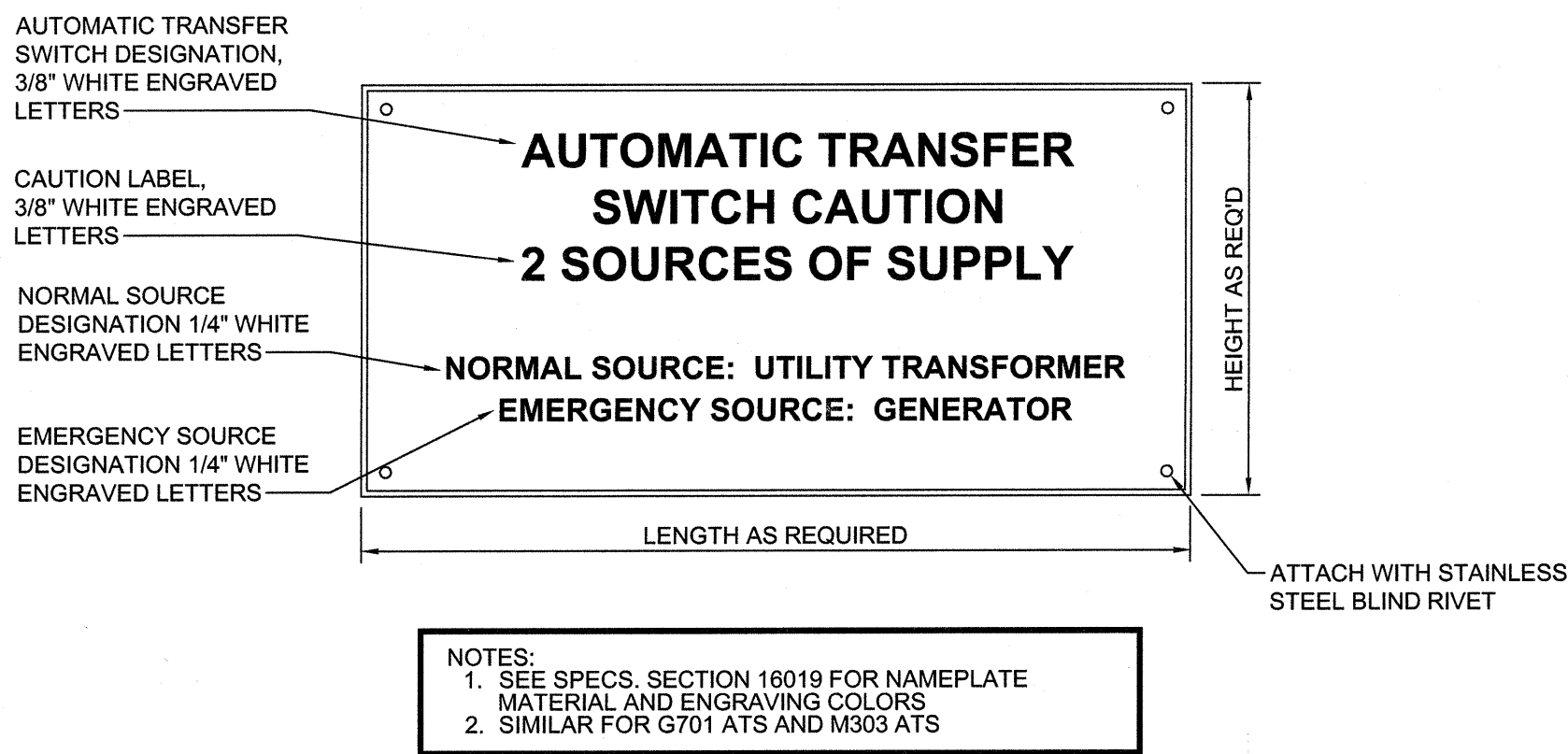
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Fax: 910.791.5266
www.cbhfenr.com
NCEP P-0006

21078
SEAL
02311
ENGINEER
T. ALLEN CRIBB

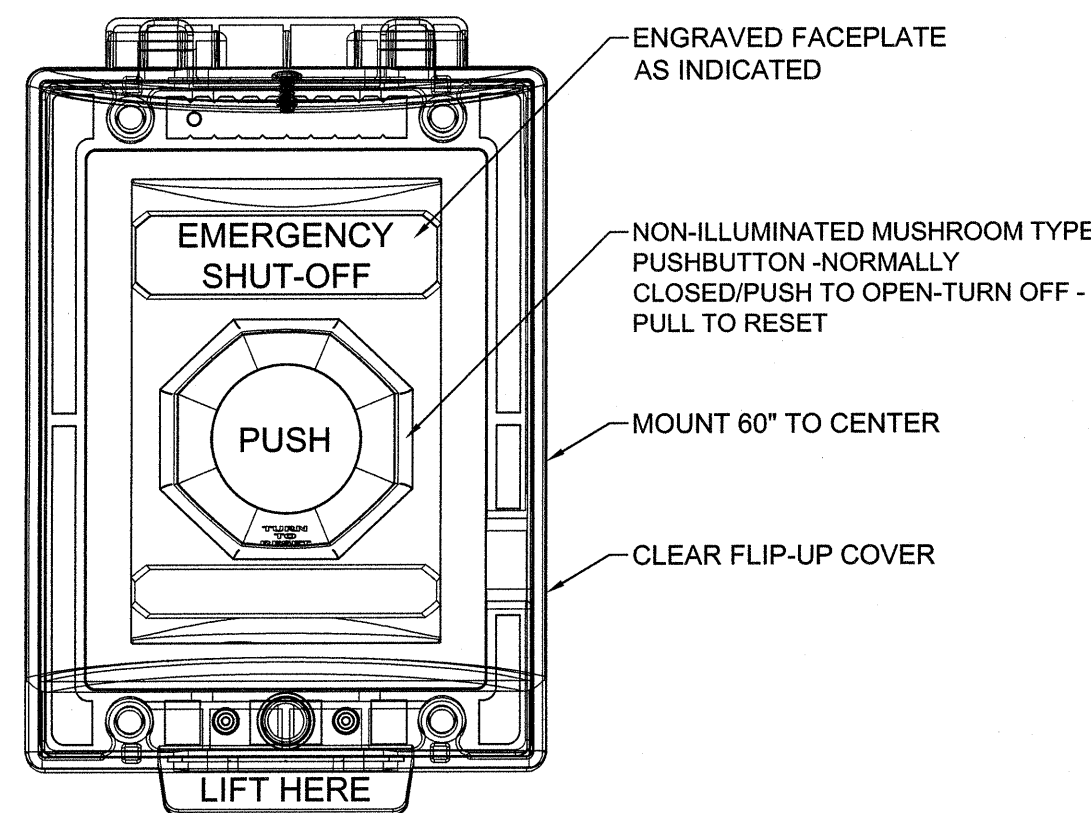
REVISIONS			
SYM		DATE	APPROVED



2 TYPICAL EQUIPMENT NAMEPLATE DETAIL
NOT TO SCALE

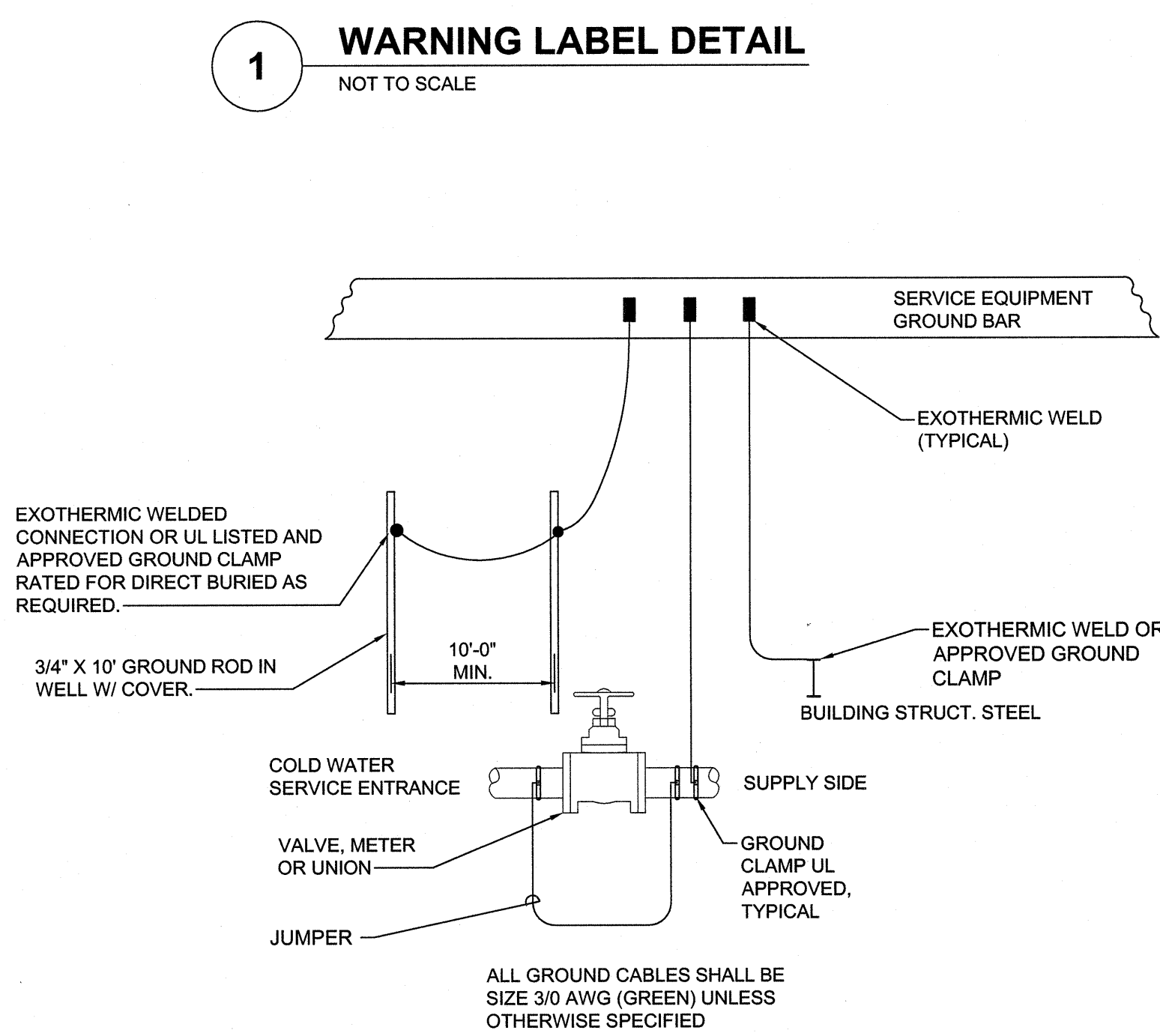


3 AUTOMATIC TRANSFER SWITCH NAMEPLATE DETAIL
NOT TO SCALE

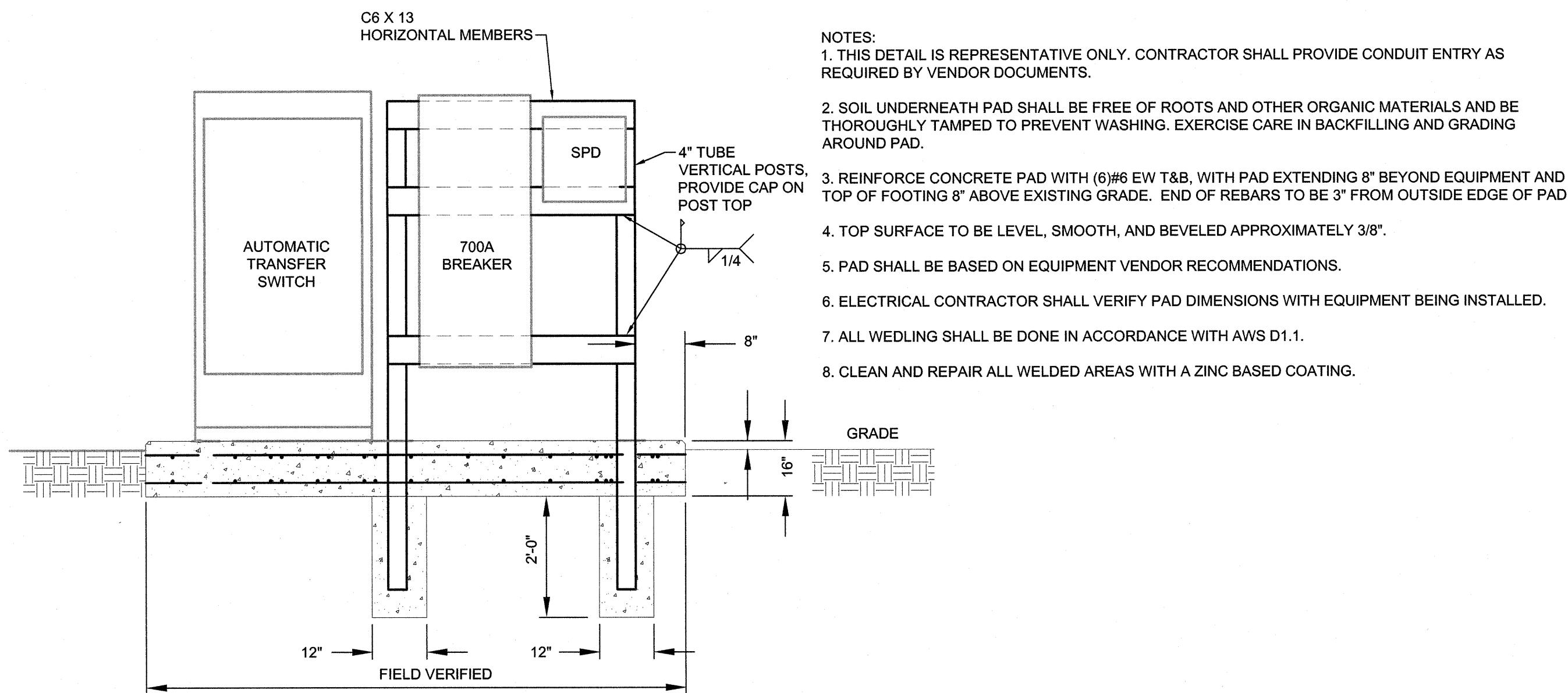


4 EMERGENCY POWER OFF "EPO" DETAIL
NOT TO SCALE

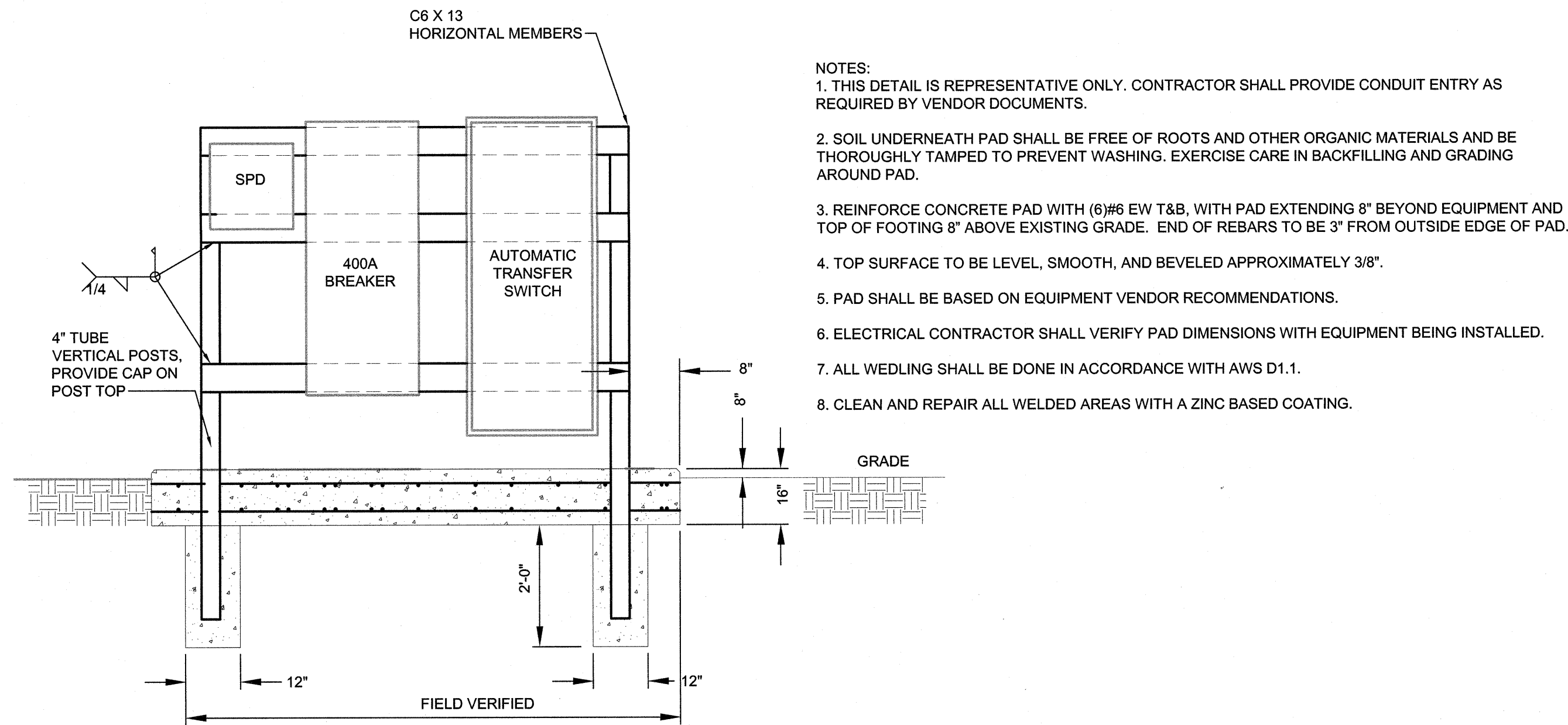
1 WARNING LABEL DETAIL
NOT TO SCALE



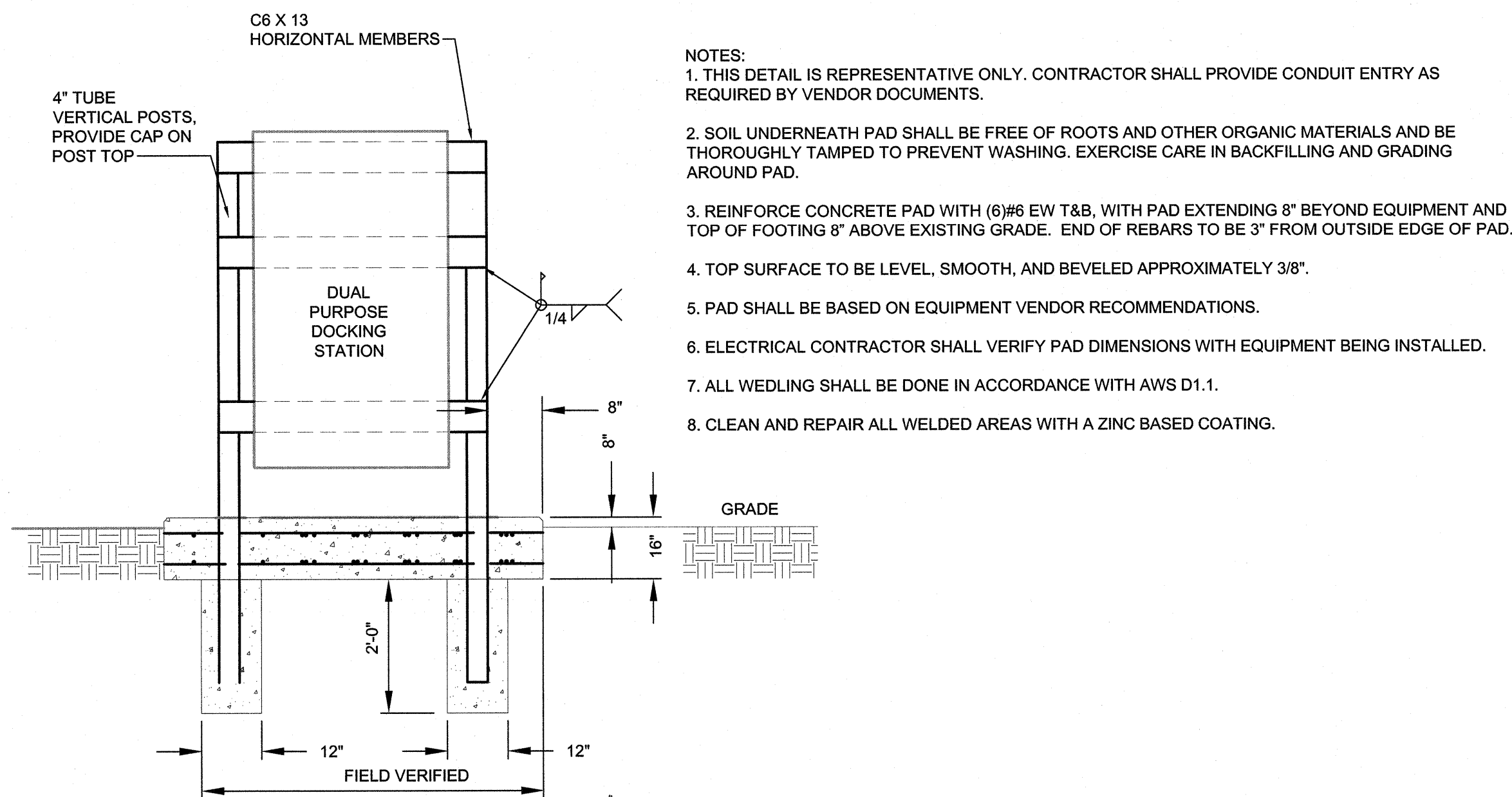
5 SERVICE GROUNDING DETAIL
NOT TO SCALE



6 G710 - ENLARGED EQUIPMENT RACK AND PAD SECTION
NOT TO SCALE



7 M303 - ENLARGED EQUIPMENT RACK AND PAD SECTION
NOT TO SCALE



8 ENLARGED EQUIPMENT RACK AND PAD SECTION
NOT TO SCALE

SEE DISCLOSURE OF INFORMATION STATEMENT ON SHEET G-001

FINAL			E-501		
			DEPARTMENT OF THE NAVY		
			NAVAL FACILITIES ENGINEERING COMMAND		
			MARINE CORPS BASE		
			CAMP LEJEUNE, NORTH CAROLINA		
DES. HGH			INSTALL GENERATOR BUILDING M303 BUILDING G710 ELECTRICAL DETAILS		
DR. HGH					
CHK. WAC					
SUBMITTED BY:					
DESIGN DIR. T H BURTON, PE					
APPROVED: PWO OR OICC			DATE	SIZE	CODE IDENT. NO
				F	80091
SATISFACTORY TO:			DATE	NAVFAC DRAWING NO. 60035719	
				CONST. CONTR.	
			SCALE: -	SPEC. 05-20-0065	
				SHEET 14 OF 16	

