

NAVFAC MIDWEST

DEPARTMENT OF THE NAVY

Reference Drawings For

FY-12 MILCON #1111695

NAVAL STATION GREAT LAKES

P-816 STEAM DECENTRALIZATION

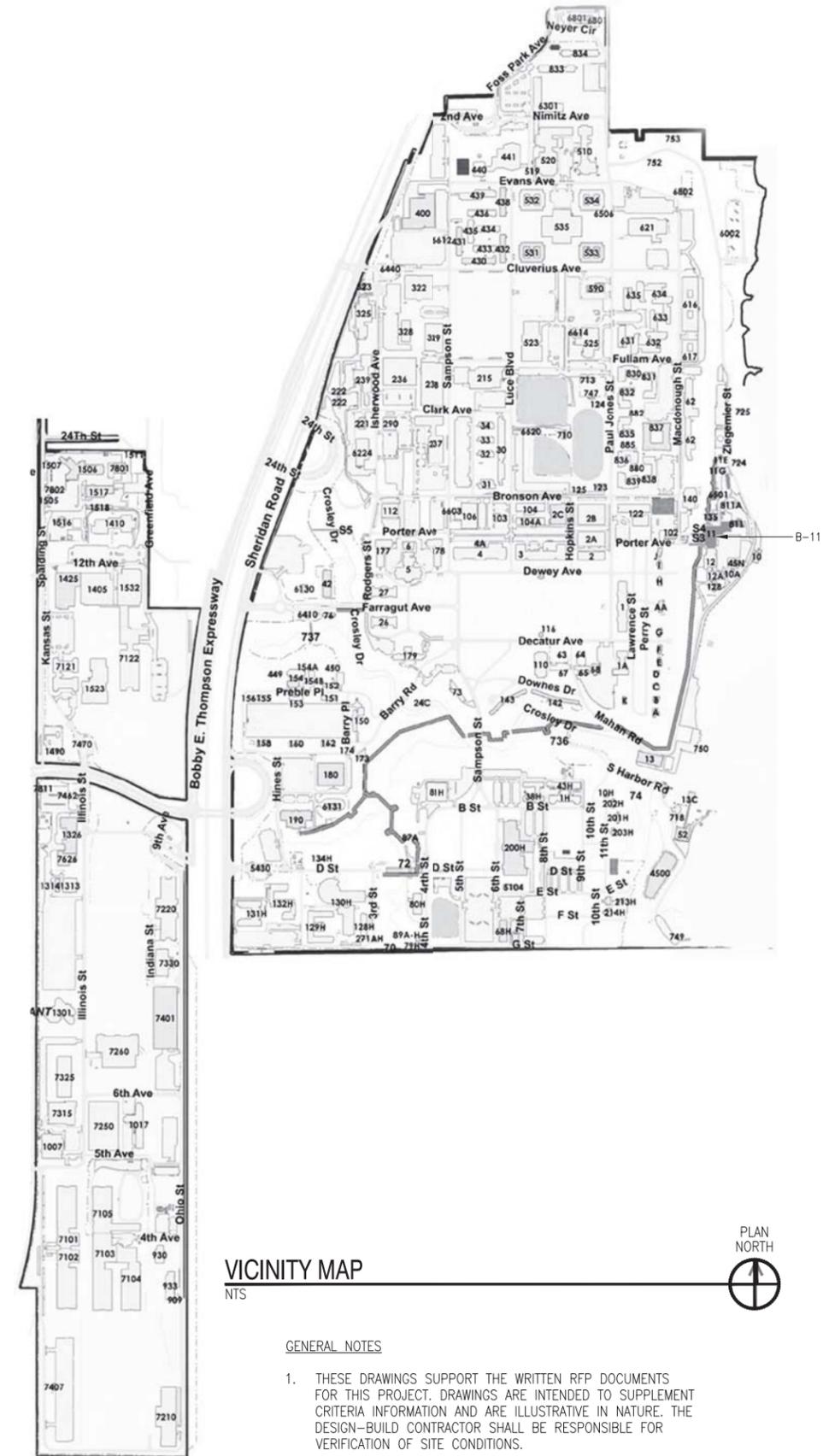
DEMOLITION OF THE STEAM SYSTEM

B-11

GREAT LAKES, ILLINOIS

DRAWING INDEX

GENERAL	MECHANICAL	SITE DISTRIBUTION
G-001 - COVER SHEET & DRAWING INDEX	U-001 - SITE UTILITY PLAN - KEY PLAN U-002 - B-11: PARTIAL SITE UTILITY PLAN - SOUTH U-003 - B-11: PARTIAL SITE UTILITY PLAN - CENTRAL U-004 - B-11: PARTIAL SITE UTILITY PLAN - NORTH	MD-200 - MECHANICAL LEGEND AND GENERAL NOTES - STEAM PITS MD-201 - STEAM PIT DEMOLITION MD-202 - STEAM PIT DEMOLITION MD-203 - STEAM PIT DEMOLITION MD-204 - STEAM PIT DEMOLITION MD-205 - STEAM PIT DEMOLITION MD-206 - STEAM PIT DEMOLITION MD-207 - STEAM PIT DEMOLITION MD-208 - STEAM PIT DEMOLITION MD-209 - STEAM PIT DEMOLITION MD-210 - STEAM PIT DEMOLITION MD-211 - STEAM PIT DEMOLITION MD-212 - STEAM PIT DEMOLITION MD-213 - STEAM PIT DEMOLITION MD-214 - STEAM PIT DEMOLITION MD-215 - STEAM PIT DEMOLITION MD-216 - STEAM PIT DEMOLITION MD-217 - STEAM PIT DEMOLITION MD-218 - STEAM PIT DEMOLITION MD-219 - STEAM PIT DEMOLITION MD-220 - STEAM PIT DEMOLITION MD-221 - STEAM PIT DEMOLITION MD-222 - STEAM PIT DEMOLITION MD-223 - STEAM PIT DEMOLITION MD-224 - STEAM PIT DEMOLITION MD-225 - STEAM PIT DEMOLITION MD-226 - STEAM PIT DEMOLITION MD-227 - STEAM PIT DEMOLITION MD-228 - STEAM PIT DEMOLITION MD-229 - STEAM PIT DEMOLITION MD-230 - STEAM PIT DEMOLITION MD-231 - STEAM PIT DEMOLITION MD-232 - STEAM PIT DEMOLITION MD-233 - STEAM PIT DEMOLITION MD-234 - STEAM PIT DEMOLITION MD-235 - STEAM PIT 87A - DEMOLITION MD-236 - B-909 - DEMOLITION MD-237 - B-1709 - DEMOLITION
ARCHITECTURAL A-000 - B11: OVERALL BASEMENT PLAN - DEMOLITION A-001 - B11: OVERALL FIRST FLOOR PLAN - DEMOLITION A-002 - B11: OVERALL SECOND FLOOR PLAN - DEMOLITION A-003 - B11: OVERALL THIRD FLOOR PLAN - DEMOLITION A-103 - B11: AREAS 4 & 5 BASEMENT PLAN A-105 - B11: AREAS 4 & 5 FIRST FLOOR PLAN A-107 - B11: AREAS 4 & 5 SECOND FLOOR PLAN A-109 - B11: AREAS 4 & 5 THIRD FLOOR PLAN A-200 - B11: OVERALL ROOF PLAN - DEMOLITION A-201 - B11: AREAS 4 & 5 ROOF PLAN A-300 - B11: SOUTH & WEST EXTERIOR ELEVATIONS A-301 - B11: EAST & NORTH EXTERIOR ELEVATIONS	MD-101 - MECHANICAL DEMOLITION EQUIPMENT LIST MD-102 - B-11: AREA 2 BASEMENT PLAN - DEMOLITION MD-103 - B-11: AREA 3, 4 & 5 BASEMENT PLAN - DEMOLITION MD-104 - B-11: AREA 2 1ST FLOOR PLAN - DEMOLITION MD-105 - B-11: AREA 3, 4 & 5 1ST FLOOR PLAN - DEMOLITION MD-106 - B-11: AREA 2 2ND FLOOR PLAN - DEMOLITION MD-107 - B-11: AREA 3, 4 & 5 2ND FLOOR PLAN - DEMOLITION MD-108 - B-11: AREA 2 3RD FLOOR PLAN - DEMOLITION MD-109 - B-11: AREA 3, 4 & 5 3RD FLOOR PLAN - DEMOLITION MD-110 - B-11: AREA 2 4TH FLOOR PLAN - DEMOLITION MD-111 - B-11: AREA 2 ROOF PLAN - DEMOLITION MD-112 - B-11: AREA 3, 4 & 5 ROOF PLAN - DEMOLITION MD-113 - B-811: AREA 1 1ST FLOOR PLAN - DEMOLITION MD-114 - B-811: AREA 1 2ND FLOOR PLAN - DEMOLITION MD-115 - B-811: AREA 1 3RD FLOOR PLAN - DEMOLITION MD-116 - B-811: AREA 1 ROOF PLAN - DEMOLITION	MD-301 - PARTIAL SITE PIPING PLAN - DEMOLITION MD-302 - PARTIAL SITE PIPING PLAN - DEMOLITION MD-303 - PARTIAL SITE PIPING PLAN - DEMOLITION MD-304 - PARTIAL SITE PIPING PLAN - DEMOLITION MD-305 - PARTIAL SITE PIPING PLAN - DEMOLITION MD-306 - PARTIAL SITE PIPING PLAN - DEMOLITION
	ELECTRICAL E-001 - ELECTRICAL SYMBOLS E-100 - ELECTRICAL SITE PLAN ED-100A - ELECTRICAL SITE PLAN DEMOLITION - SOUTH ED-100B - ELECTRICAL SITE PLAN DEMOLITION - NORTH ED-101 - B-11: AREA 2 BASEMENT PLAN - DEMOLITION ED-102 - B-11: AREA 3, 4 & 5 BASEMENT PLAN - DEMOLITION ED-103 - B-11 & B-811: AREA 1 & 2 1ST FLOOR PLAN - DEMOLITION ED-104 - B-11 & B-811: AREA 3, 4, & 5 1ST FLOOR PLAN - DEMOLITION ED-105 - SUBSTATION M6 DEMOLITION ED-110 - ONE LINE DIAGRAM: SUB M6-A ED-111 - ONE LINE DIAGRAM: SWBD001, MCC-1 ED-112 - ONE LINE DIAGRAM: SWBD003, MCC-5,6,7,8 ED-113 - ONE LINE DIAGRAM: SWBD002, MCC-2,3,9 ED-114 - ONE LINE DIAGRAM: 2.4 KV SWITCHGEAR - SHEET 1 ED-115 - ONE LINE DIAGRAM: 2.4 KV SWITCHGEAR - SHEET 2	



GENERAL NOTES

- THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF SITE CONDITIONS.

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APPR
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO DATE		
DES	DRAW	CHK
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CHIEF ENGR/ARCH		
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NAVAL FACILITIES ENGINEERING COMMAND		
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST		
PUBLIC WORKS DEPARTMENT		
NAVAL STATION GREAT LAKES		
GREAT LAKES, IL		
P-816 STEAM DECENTRALIZATION B-11		
COVER SHEET & DRAWING INDEX		
SCALE: NONE		
EPROJCT NO.: 1111695		
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET 1 OF 91		
G-001		
DRAWFORM REVISION: 10 MARCH 2009		

FILE NAME: P:\GreatLakes\MILCON\2012_1111695_816_DB_DecimalizeSteamSystem\P-816_Steam_De-centralization-Phase 1-Demolition_V_Preliminary\G-001.dwg LAYOUT NAME: Plot_PLOTTER: Tuesday, March 10, 2015 - 9:56am USER: bncsp@nri

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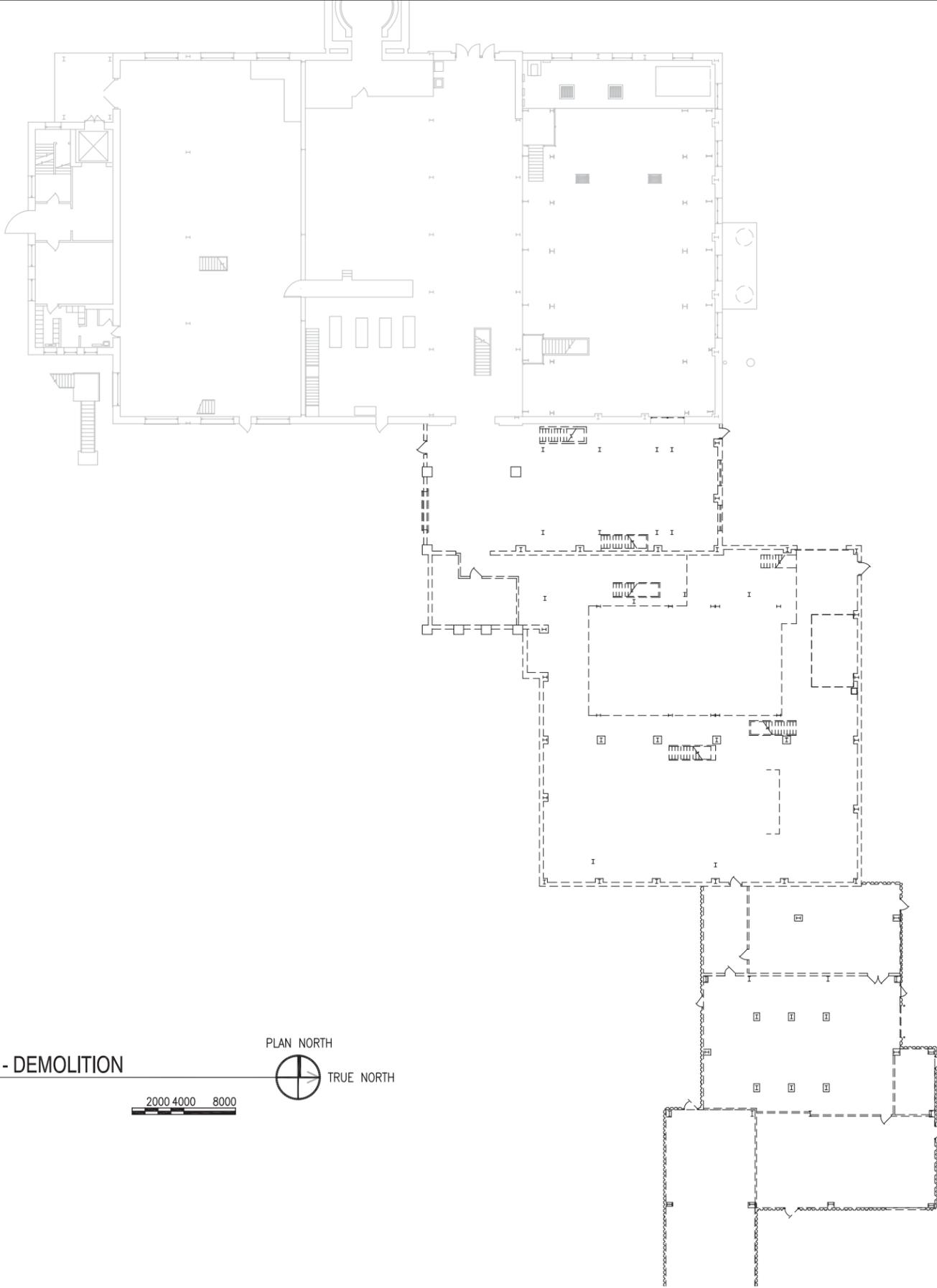
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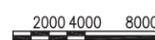
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BLDG, B11: OVERALL FIRST FLOOR PLAN - DEMOLITION
 SCALE: 1:200



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SY#	DESCRIPTION	DATE	APPR



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SATISFACTORY TO	DATE
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BRANCH MANAGER

CHIEF ENG/ARCH

<<ODD>>

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 GREAT LAKES, IL

P-816 STEAM DECENTRALIZATION B-11
 B11: OVERALL FIRST FLOOR PLAN - DEMOLITION

SCALE:	AS NOTED
PROJECT NO.:	1111195695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	3 OF 91
A-001	

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

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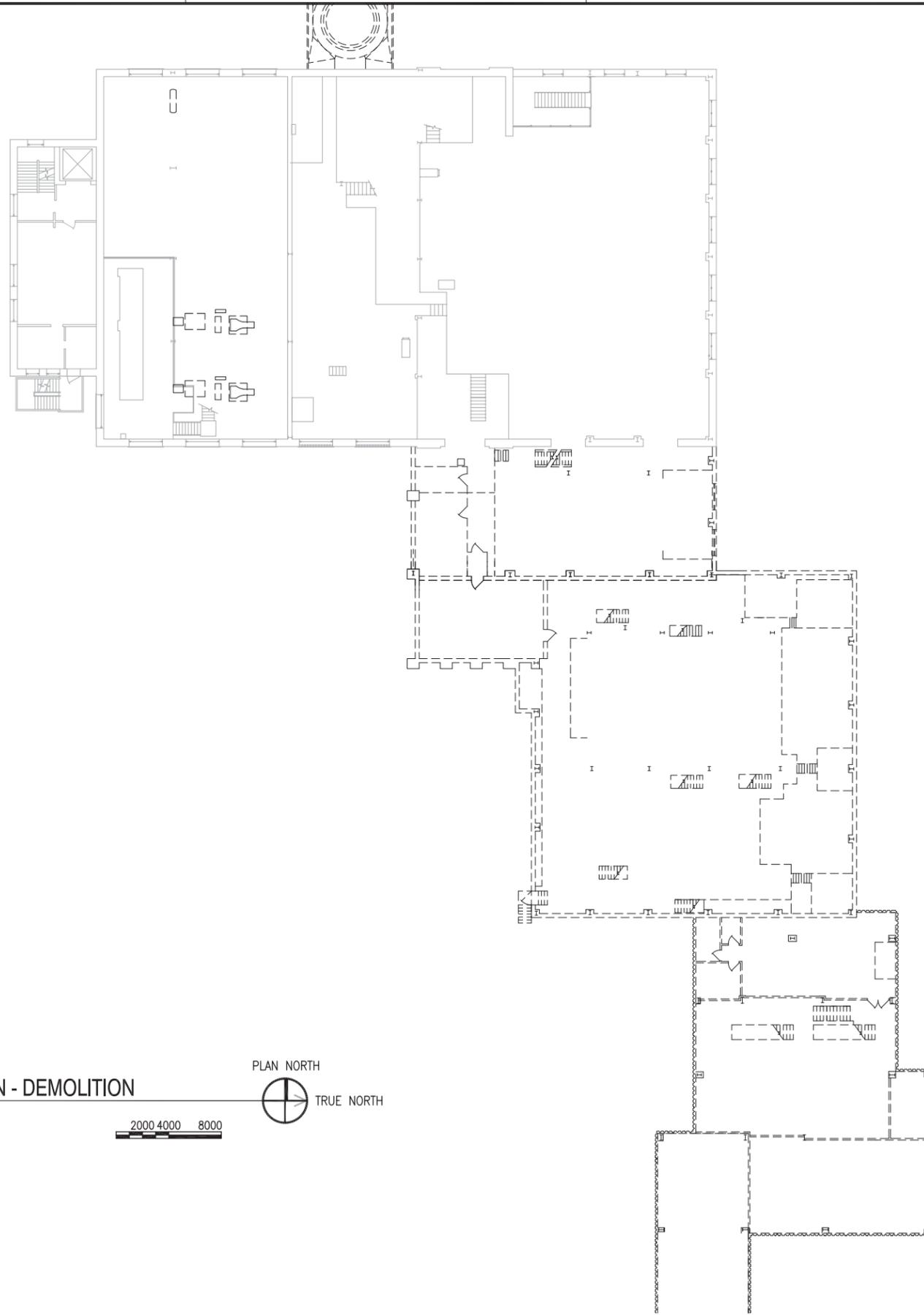
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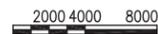
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BLDG, B11: OVERALL SECOND FLOOR PLAN - DEMOLITION
 SCALE: 1:200



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 GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
 B11: OVERALL SECOND FLOOR PLAN - DEMOLITION

SCALE:	AS NOTED
PROJECT NO.:	1111195695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	4 OF 91
A-002	

DRAWFORM REVISION: 10 MARCH 2009

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

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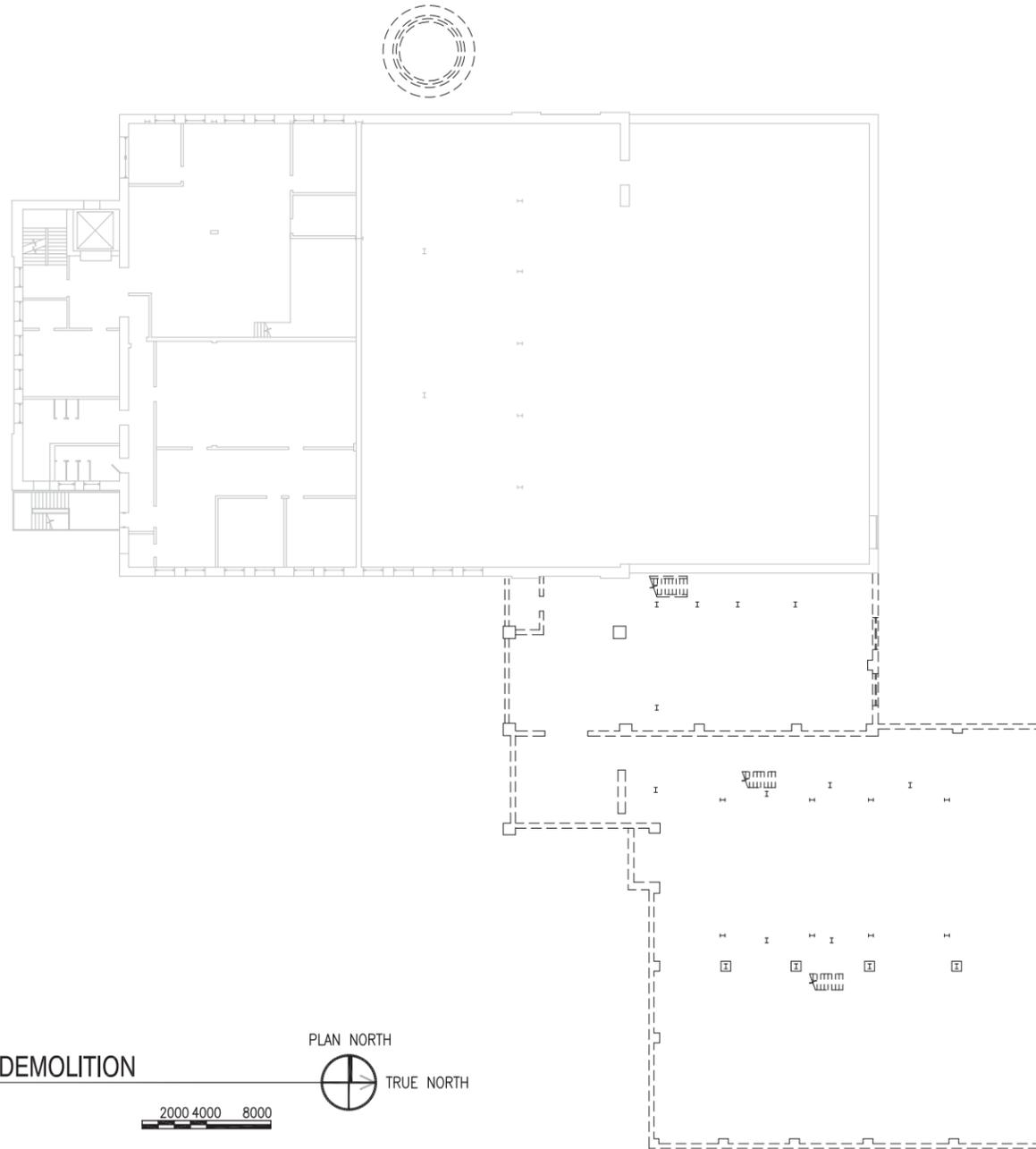
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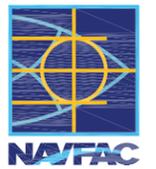
BLDG, B11: OVERALL THIRD FLOOR PLAN - DEMOLITION
SCALE: 1:200

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NO.	DESCRIPTION	DATE	APPR.



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CHK	

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PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL

P-816 STEAM DECENTRALIZATION B-11
B11: OVERALL THIRD FLOOR PLAN - DEMOLITION

SCALE:	AS NOTED
PROJECT NO.:	1111195695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	5 OF 91
A-003	

DRAWFORM REVISION: 10 MARCH 2009

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A-301

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PUBLIC WORKS DEPARTMENT

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GREAT LAKES, IL

NAVAL STATION GREAT LAKES

P-816 STEAM DECENTRALIZATION B-11

B11: AREAS 4 & 5 FIRST FLOOR PLAN

SCALE: AS NOTED

PROJECT NO.: 1111195695

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET 7 OF 91

A-105

DRAWFORM REVISION: 10 MARCH 2009

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CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.



BLDG, B11: AREAS 4 & 5 FIRST FLOOR PLAN
SCALE: 1:100

PLAN NORTH
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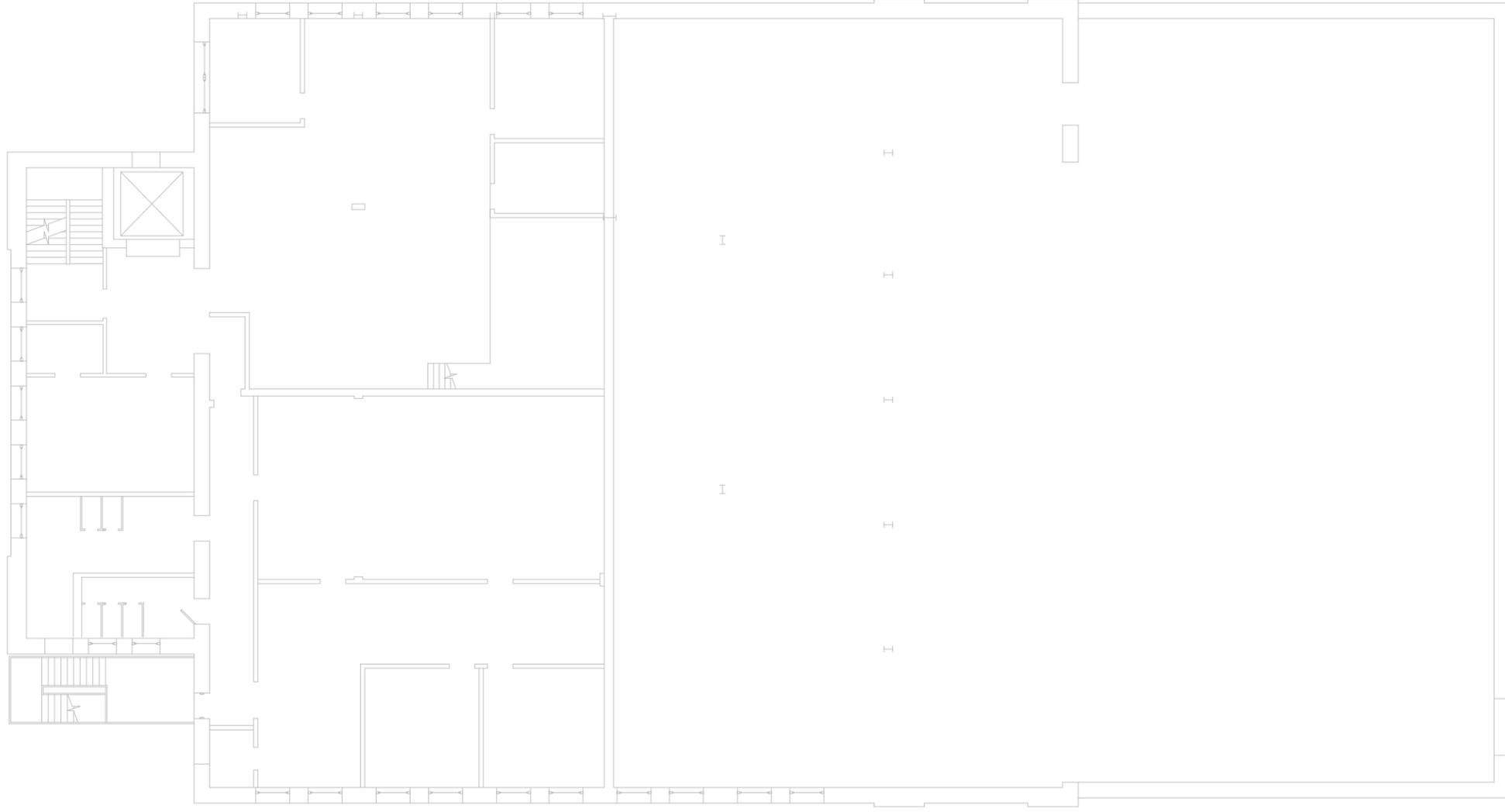
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BLDG, B11: AREAS 4 & 5 THIRD FLOOR PLAN
SCALE: 1:100



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NAVAL STATION GREAT LAKES
GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
B11: AREAS 4 & 5 THIRD FLOOR PLAN

SCALE: AS NOTED
EPROJECT NO.: 1111195695
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
SHEET 9 OF 91
A-109

DRAWFORM REVISION: 10 MARCH 2009

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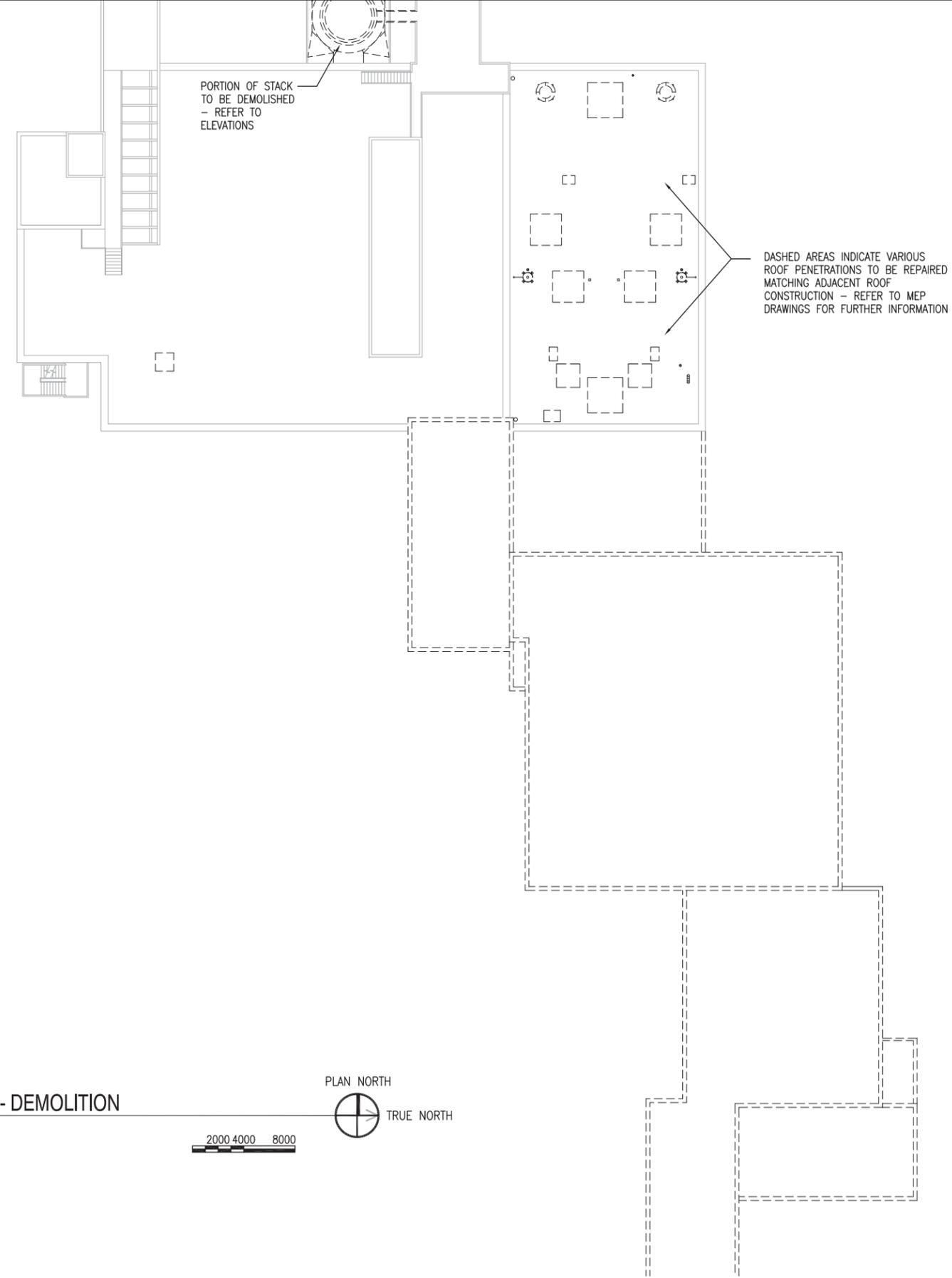
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PORTION OF STACK
TO BE DEMOLISHED
- REFER TO
ELEVATIONS

DASHED AREAS INDICATE VARIOUS
ROOF PENETRATIONS TO BE REPAIRED
MATCHING ADJACENT ROOF
CONSTRUCTION - REFER TO MEP
DRAWINGS FOR FURTHER INFORMATION

BLDG, B11: OVERALL ROOF PLAN - DEMOLITION
SCALE: 1:200

2000 4000 8000



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CHK	CHK

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CHIEF ENG/ARCH

<<XXX>>

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GREAT LAKES, IL

NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST
NSCL GREAT LAKES, IL

P-816 STEAM DECENTRALIZATION B-11

B11: OVERALL ROOF PLAN - DEMOLITION

SCALE:	AS NOTED
PROJECT NO.:	1111195695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	10 OF 91
A-200	

DRAWFORM REVISION: 10 MARCH 2009

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

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 6. WHERE PIPING, STEEL FRAMING, BRACKETS, ETC. HAVE BEEN REMOVED, REPLACE TERRA COTTA AND/OR BRICK AND PATCH HOLES WITH MORTAR TO MATCH. CONTRACTOR TO PROVIDE FOUR (4) SAMPLES EACH OF REPLACEMENT TERRA COTTA, BRICK AND MORTAR FOR MATCHING PURPOSES.
 7. WHERE SILVER PAINT IS TO BE REMOVED FROM EAST FAÇADE, CLEANING IS TO BE DONE IN THE GENTLEST PROCESS POSSIBLE. CONTRACTOR TO PROVIDE TEST PATCHES FOR ACCEPTANCE PRIOR TO CLEANING OF ENTIRE AREA.

PORTION OF MASONRY STACK TO BE REMOVED

AFTER REMOVAL OF UPPER PORTION, PROVIDE ROOF CAP CONSISTING OF STEEL FRAMING, METAL DECKING, INSULATION, AND ROOFING MATERIAL

PORTION OF MASONRY STACK TO REMAIN

BLDG, B11: SOUTH EXTERIOR ELEVATION
SCALE: 1:100

A-105, A-107, A-109
2000 4000

C3

HATCHED ARE INDICATES ADJACENT BUILDING CONNECTION

AFTER REMOVAL OF UPPER PORTION, PROVIDE ROOF CAP CONSISTING OF STEEL FRAMING, METAL DECKING, INSULATION, AND ROOFING MATERIAL

PORTION OF MASONRY STACK TO BE REMOVED

BLDG, B11: WEST EXTERIOR ELEVATION
SCALE: 1:100

A-105, A-107, A-109
2000 4000

A3

PORTION OF MASONRY STACK TO REMAIN

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

SYN	DESCRIPTION	DATE	APPR



PRELIMINARY NOT FOR CONSTRUCTION



8550 West Bryn Mawr Ave | Suite 900
Chicago, IL 60631 | 773.380.7900

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES DRW CHK

<<PM/DM>>

BRANCH MANAGER

CHIEF ENG/ARCH

<<DD>>

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST
 PUBLIC WORKS DEPARTMENT
 NAVAL STATION GREAT LAKES
 GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
 B11: SOUTH & WEST EXTERIOR ELEVATIONS

SCALE: AS NOTED

PROJECT NO.: 1111195695

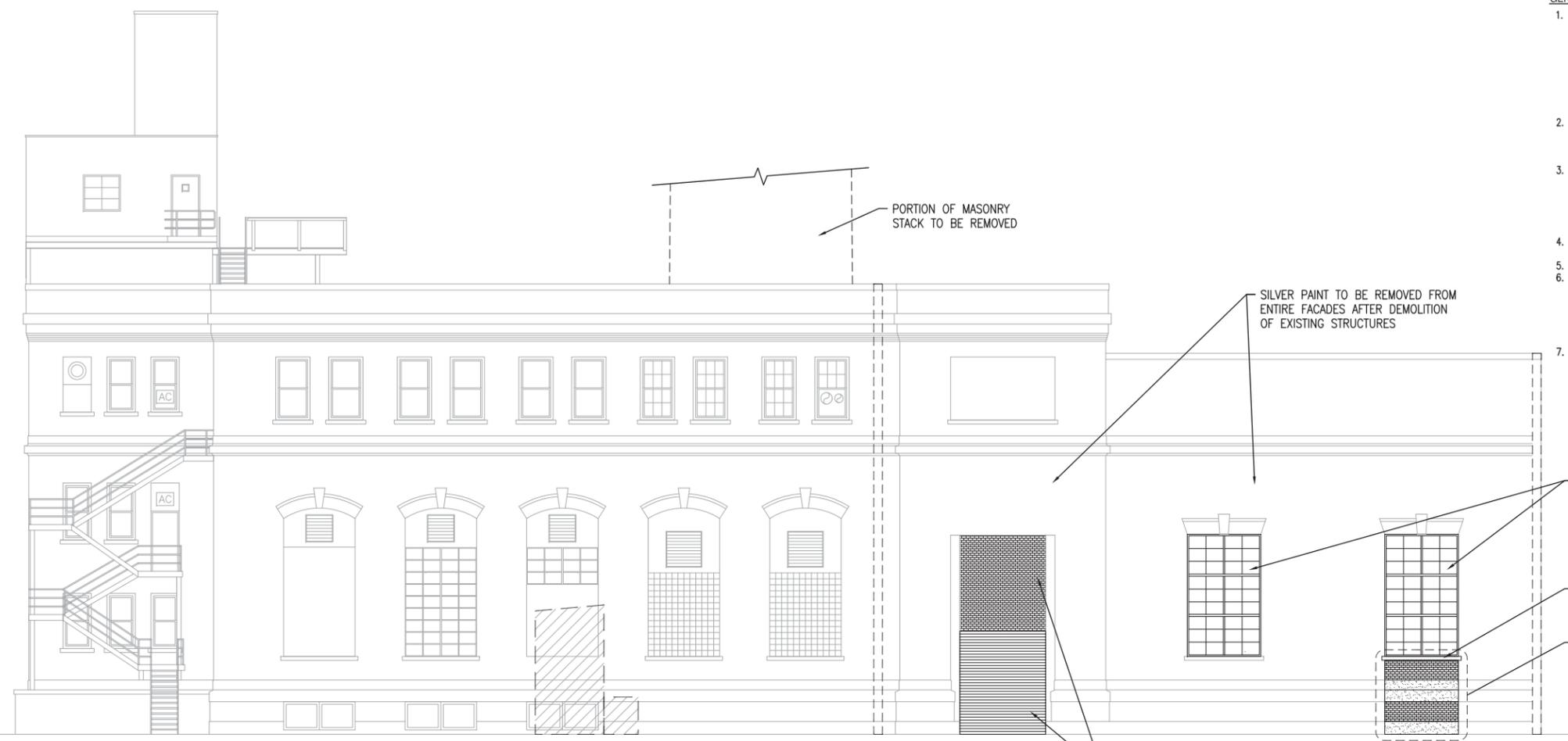
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET 12 OF 91

A-300

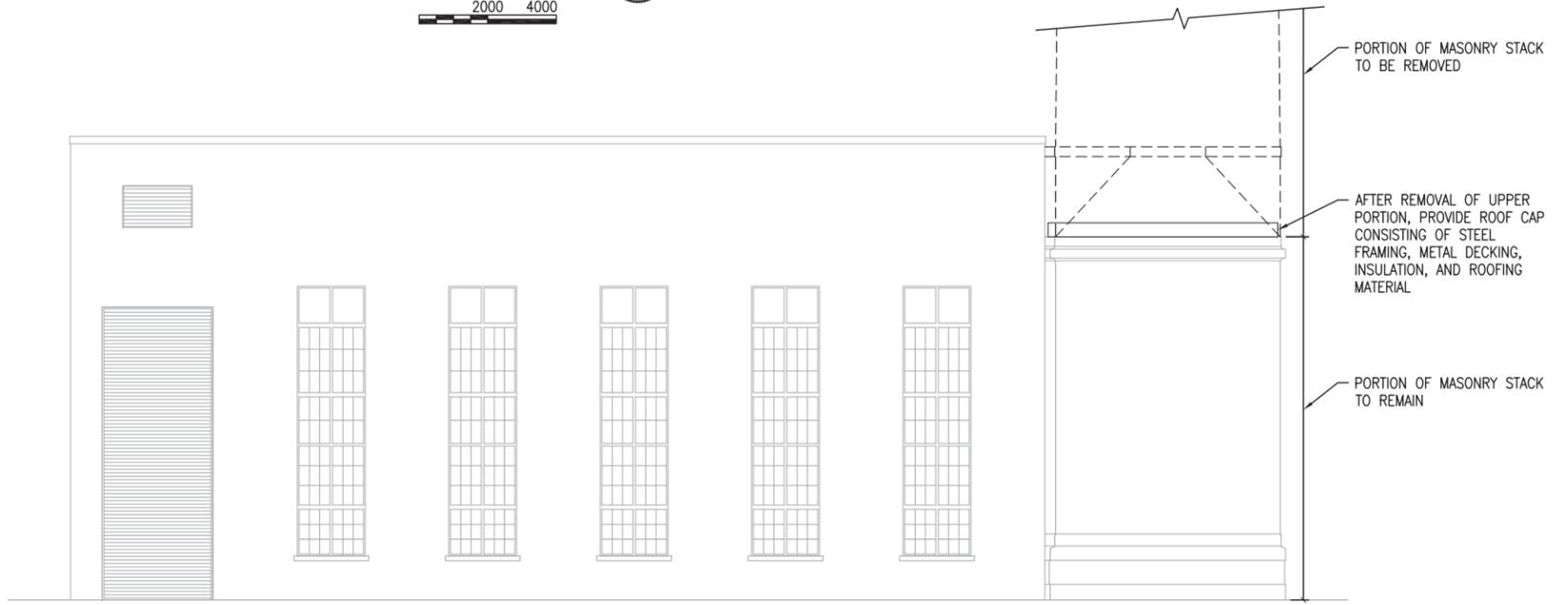
DRAWFORM REVISION: 10 MARCH 2009



BLDG, B11: EAST EXTERIOR ELEVATION
SCALE: 1:100

A-105, A-107, A-109
2000 4000

C3



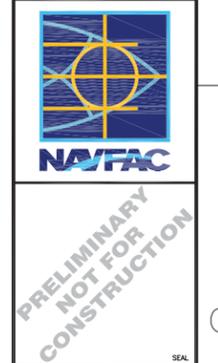
BLDG, B11: NORTH EXTERIOR ELEVATION
SCALE: 1:100

A-105, A-107, A-109
2000 4000

A3

- GENERAL NOTES**
1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
 2. EQUIPMENT AND CONSTRUCTION SHOWN IN HALFTONE IS EXISTING TO REMAIN, ALL OTHER EQUIPMENT AND CONSTRUCTION SHOWN IS NEW AND SHALL BE PROVIDED BY DESIGN BUILD CONTRACTOR UNLESS NOTED OTHERWISE.
 3. EQUIPMENT ARRANGEMENT AND LAYOUT INDICATED ARE INTENDED TO ILLUSTRATE CONCEPT REQUIREMENTS FOR A COMPLETE OPERATIONAL SYSTEM AND APPROXIMATE EQUIPMENT LOCATIONS ONLY. CONTRACTORS SHALL INCLUDE ALL OPERATIONAL SERVICE ACCESSIBILITY REQUIREMENTS FOR EQUIPMENT IN FINAL DESIGN.
 4. GAS METER AND ASSOCIATED PIPES SHALL BE PAINTED A COLOR SIMILAR TO THE SURROUNDING MASONRY.
 5. ALL UNITS ARE MILLIMETERS UNLESS NOTED OTHERWISE.
 6. WHERE PIPING, STEEL FRAMING, BRACKETS, ETC. HAVE BEEN REMOVED, REPLACE TERRA COTTA AND/OR BRICK AND PATCH HOLES WITH MORTAR TO MATCH. CONTRACTOR TO PROVIDE FOUR (4) SAMPLES EACH OF REPLACEMENT TERRA COTTA, BRICK AND MORTAR FOR MATCHING PURPOSES.
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SYN	DESCRIPTION	DATE	APPR



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FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES	DRW
CHK	CHK
<<PM/DM>>	
BRANCH MANAGER	
CHIEF ENG/ARCH	
<<DD>>	

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL

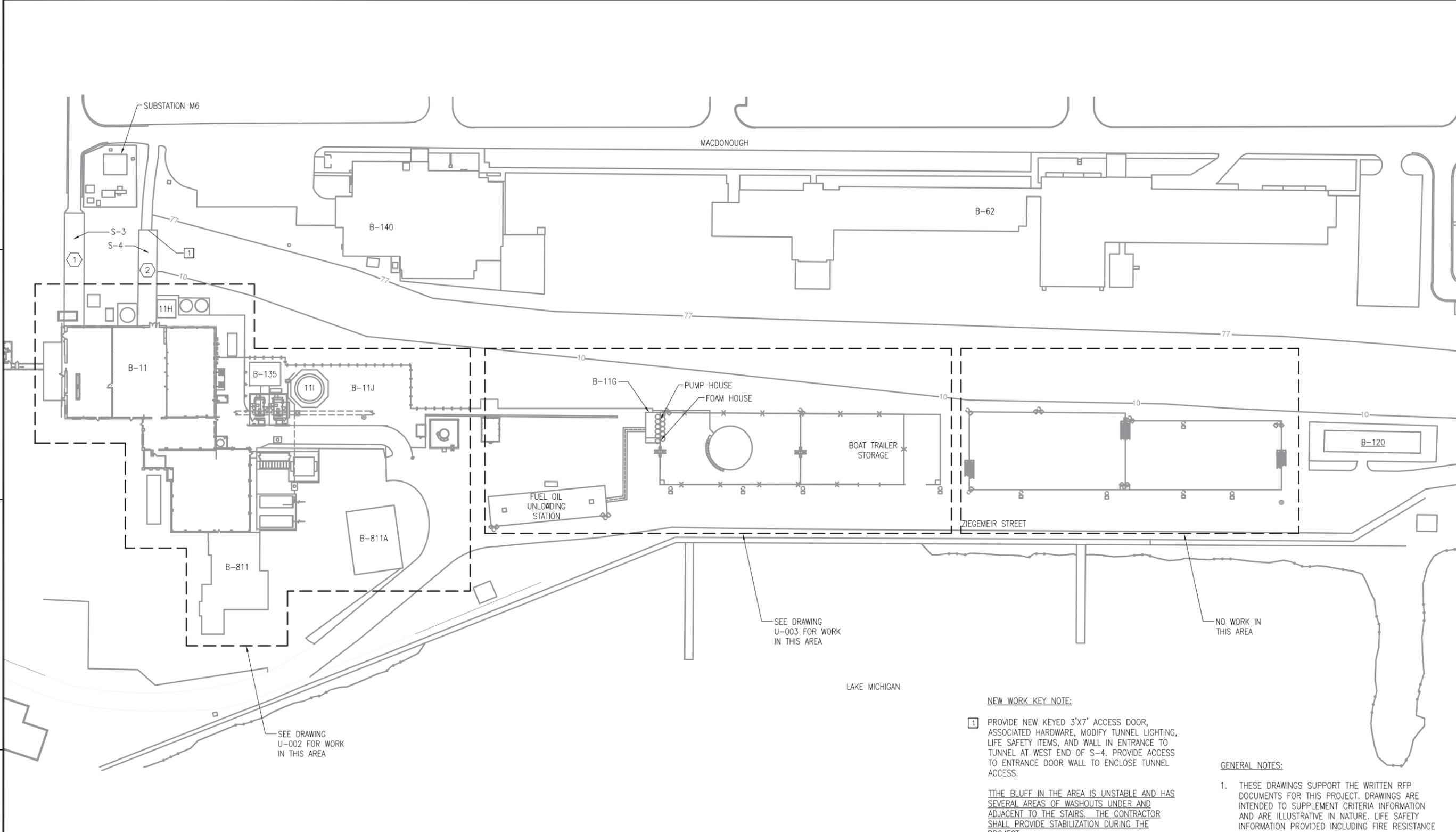
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST
NSCL GREAT LAKES, IL
GREAT LAKES, IL

P-816 STEAM DECENTRALIZATION B-11
B11: EAST & NORTH EXTERIOR ELEVATIONS

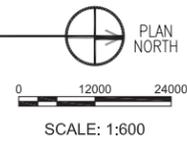
SCALE: AS NOTED
EPROJECT NO.: 1111195695
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

FILE NAME: P:\CredLake\WILCON\2012_1111695_P816_Schem_De-centralization-Phase 1-Demolition\PreDesign\816-1111695-001-08-U001.dwg LAYOUT NAME: P816_Plot1.dwg PLOTTED: Thursday, March 19, 2015 - 3:20pm USER: lra.gmz



B-11: SITE UTILITY PLAN
1:600



NEW WORK KEY NOTE:

- 1 PROVIDE NEW KEYED 3'X7' ACCESS DOOR, ASSOCIATED HARDWARE, MODIFY TUNNEL LIGHTING, LIFE SAFETY ITEMS, AND WALL IN ENTRANCE TO TUNNEL AT WEST END OF S-4. PROVIDE ACCESS TO ENTRANCE DOOR WALL TO ENCLOSE TUNNEL ACCESS.

THE BLUFF IN THE AREA IS UNSTABLE AND HAS SEVERAL AREAS OF WASHOUTS UNDER AND ADJACENT TO THE STAIRS. THE CONTRACTOR SHALL PROVIDE STABILIZATION DURING THE PROJECT.

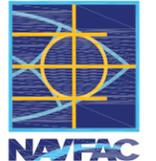
DEMO WORK KEY NOTES:

- 1 TRESTLE S-3 SHALL REMAIN.
- 2 UTILITY TRESTLE S-4 SHALL BE DEMOLISHED. SUPPORT STEEL SHALL BE DEMOLISHED AND CONCRETE PIERS SHALL REMAIN. S-4 DEMOLITION SHALL INCLUDE STEAM TUNNEL AND PIPING ATTACHED TO S-4.

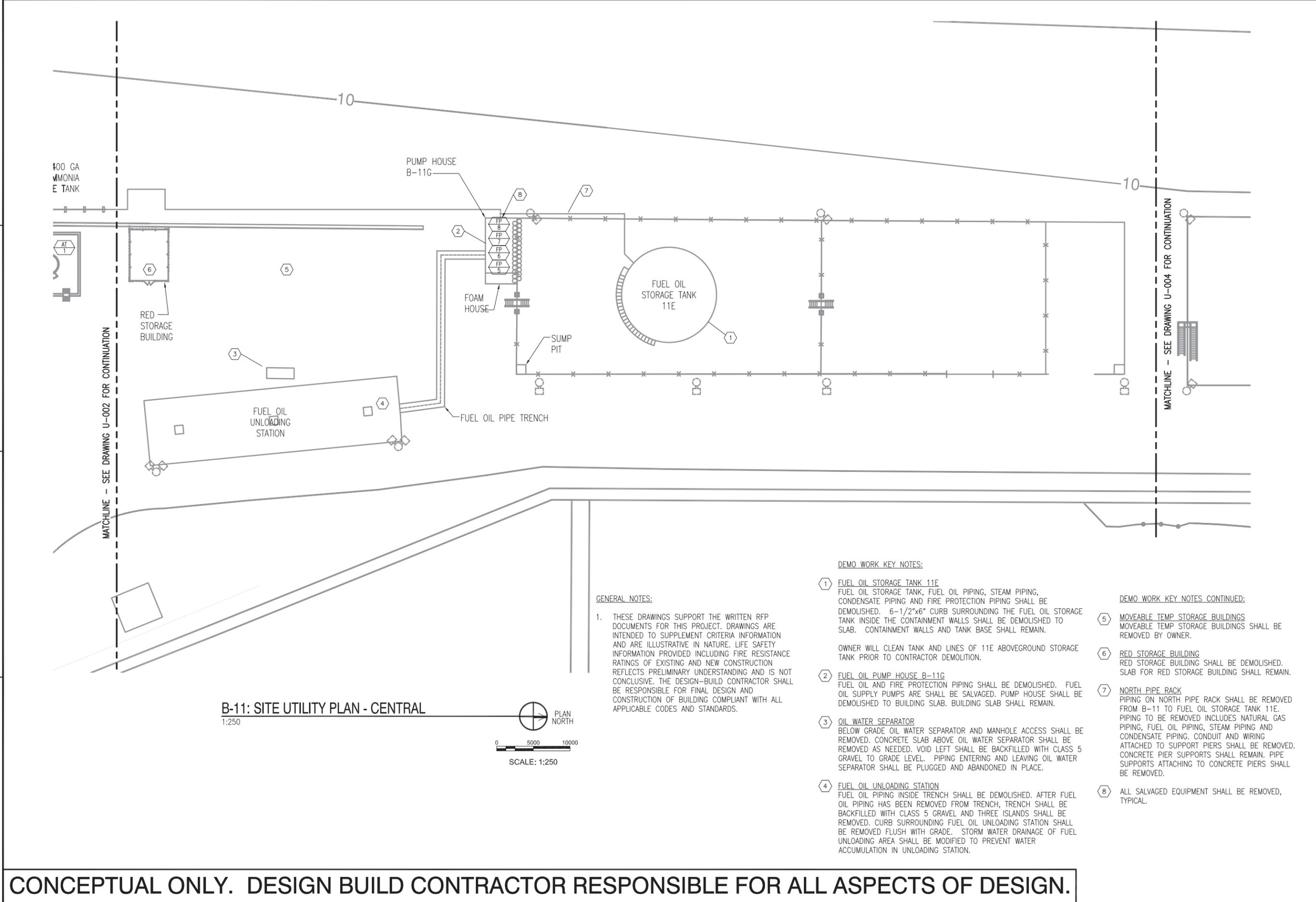
GENERAL NOTES:

1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.

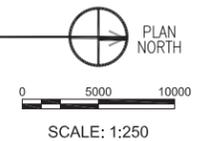
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

	<p>PRELIMINARY NOT FOR CONSTRUCTION</p>						
 <p>HDR Architecture, Inc. 8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>	<p>APPROVED</p> <p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SATISFACTORY TO</td> <td>DATE</td> </tr> <tr> <td>DES</td> <td>DRW</td> </tr> <tr> <td>CHK</td> <td>CHK</td> </tr> </table> <p>BRANCH MANAGER</p> <p>CHIEF ENG/ARCH</p> <p><<ODD>></p>	SATISFACTORY TO	DATE	DES	DRW	CHK	CHK
SATISFACTORY TO	DATE						
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CHK	CHK						
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p>	<p>NAVAL FACILITIES ENGINEERING COMMAND MIDWEST GREAT LAKES, IL P-816 STEAM DECENTRALIZATION B-11 SITE UTILITY PLAN - KEY PLAN</p>						
<p>SCALE: AS NOTED</p> <p>PROJECT NO.: 1111695</p> <p>CONSTR. CONTR. NO.</p> <p>NAVFAC DRAWING NO.</p>	<p>SHEET 14 OF 91</p> <p style="text-align: center;">U-001</p> <p style="text-align: right; font-size: small;">DRAWFORM REVISION: 10 MARCH 2009</p>						

FILE NAME: P:\Credentia\WILCOX\2012_111695_P816_DB_DecentralizeSteamSystem\P-816 Steam De-centralization-Phase 1-Demolition\A_Preliminary\B-11: PARTIAL SITE UTILITY PLAN - CENTRAL.dwg PLOTTER: Monday, March 23, 2015 - 1:34pm USER: isa.groz



B-11: SITE UTILITY PLAN - CENTRAL
1:250



GENERAL NOTES:

1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.

DEMO WORK KEY NOTES:

- ① **FUEL OIL STORAGE TANK 11E**
FUEL OIL STORAGE TANK, FUEL OIL PIPING, STEAM PIPING, CONDENSATE PIPING AND FIRE PROTECTION PIPING SHALL BE DEMOLISHED. 6-1/2"x6" CURB SURROUNDING THE FUEL OIL STORAGE TANK INSIDE THE CONTAINMENT WALLS SHALL BE DEMOLISHED TO SLAB. CONTAINMENT WALLS AND TANK BASE SHALL REMAIN.

OWNER WILL CLEAN TANK AND LINES OF 11E ABOVEGROUND STORAGE TANK PRIOR TO CONTRACTOR DEMOLITION.
- ② **FUEL OIL PUMP HOUSE B-11G**
FUEL OIL AND FIRE PROTECTION PIPING SHALL BE DEMOLISHED. FUEL OIL SUPPLY PUMPS ARE SHALL BE SALVAGED. PUMP HOUSE SHALL BE DEMOLISHED TO BUILDING SLAB. BUILDING SLAB SHALL REMAIN.
- ③ **OIL WATER SEPARATOR**
BELOW GRADE OIL WATER SEPARATOR AND MANHOLE ACCESS SHALL BE REMOVED. CONCRETE SLAB ABOVE OIL WATER SEPARATOR SHALL BE REMOVED AS NEEDED. VOID LEFT SHALL BE BACKFILLED WITH CLASS 5 GRAVEL TO GRADE LEVEL. PIPING ENTERING AND LEAVING OIL WATER SEPARATOR SHALL BE PLUGGED AND ABANDONED IN PLACE.
- ④ **FUEL OIL UNLOADING STATION**
FUEL OIL PIPING INSIDE TRENCH SHALL BE DEMOLISHED. AFTER FUEL OIL PIPING HAS BEEN REMOVED FROM TRENCH, TRENCH SHALL BE BACKFILLED WITH CLASS 5 GRAVEL AND THREE ISLANDS SHALL BE REMOVED. CURB SURROUNDING FUEL OIL UNLOADING STATION SHALL BE REMOVED FLUSH WITH GRADE. STORM WATER DRAINAGE OF FUEL UNLOADING AREA SHALL BE MODIFIED TO PREVENT WATER ACCUMULATION IN UNLOADING STATION.

DEMO WORK KEY NOTES CONTINUED:

- ⑤ **MOVEABLE TEMP STORAGE BUILDINGS**
MOVEABLE TEMP STORAGE BUILDINGS SHALL BE REMOVED BY OWNER.
- ⑥ **RED STORAGE BUILDING**
RED STORAGE BUILDING SHALL BE DEMOLISHED. SLAB FOR RED STORAGE BUILDING SHALL REMAIN.
- ⑦ **NORTH PIPE RACK**
PIPING ON NORTH PIPE RACK SHALL BE REMOVED FROM B-11 TO FUEL OIL STORAGE TANK 11E. PIPING TO BE REMOVED INCLUDES NATURAL GAS PIPING, FUEL OIL PIPING, STEAM PIPING AND CONDENSATE PIPING. CONDUIT AND WIRING ATTACHED TO SUPPORT PIERS SHALL BE REMOVED. CONCRETE PIER SUPPORTS SHALL REMAIN. PIPE SUPPORTS ATTACHING TO CONCRETE PIERS SHALL BE REMOVED.
- ⑧ **ALL SALVAGED EQUIPMENT SHALL BE REMOVED, TYPICAL.**

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
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DES	DRW	CHK
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DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT	NAVAL STATION GREAT LAKES, IL	NAVAL STATION GREAT LAKES, IL
	P-816 STEAM DECENTRALIZATION B-11	B-11: PARTIAL SITE UTILITY PLAN - CENTRAL
SCALE:	AS NOTED	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	16	OF 91
U-003		
DRAWFORM REVISION: 10 MARCH 2009		

MAJOR EQUIPMENT DEMOLITION LIST							
EQUIPMENT DESCRIPTION	CAPACITY	SIZE / QUANTITY	SYSTEM	EXTENDED DESCRIPTION	ADDITIONAL NOTES	SALVAGE (Y/N)	SALVAGE TAG NO.
(BOILER AREA 4, 5, 6, BLDG B11)							
GAS FIRED STEAM BOILER #4	100,000 LB/HR	20'W X 25'D X 32'H	350# STEAM	RILEY D-TYPE BALANCE DRAFT	ACM (UNDER EXTERIOR LAGGING AND ON DUCTWORK)	N	
GAS FIRED STEAM BOILER #5	250,000 LB/HR	24'W X 44'D X 62'H	350# STEAM	WICKS D-TYPE BALANCE DRAFT	ACM (UNDER EXTERIOR LAGGING AND ON DUCTWORK)	N	
GAS FIRED STEAM BOILER #6	250,000 LB/HR	16'W X 47'D X 44'H	350# STEAM	WICKS D-TYPE FORCED DRAFT	ACM (UNDER EXTERIOR LAGGING AND ON DUCTWORK)	N	
FD FAN, BOILER #6				600 HP MOTOR DRIVE	AT UPPER LEVEL	N	
ID FAN, BOILER #5			350# STEAM	350 HP, STEAM TURBINE DRIVE		N	
FD FAN, BOILER #5			350# STEAM	351 HP, STEAM TURBINE DRIVE		N	
ID FAN, BOILER #4				MOTOR DRIVE		N	
FD FAN, BOILER #4				MOTOR DRIVE		N	
MAKE UP AIR HEATER/OUTSIDE AIR INLET, #1		4500 CFM	3# STEAM			N	
MAKE UP AIR HEATER/OUTSIDE AIR INLET, #2		4500 CFM	3# STEAM			N	
MAKE UP AIR HEATER/OUTSIDE AIR INLET, #3		4500 CFM	3# STEAM			N	
MAKE UP AIR HEATER/OUTSIDE AIR INLET, #4		4500 CFM	3# STEAM			N	
COMBUSTION AIR PREHEATER, BOILER #5			3# STEAM			N	
COMBUSTION AIR PREHEATER, BOILER #6			3# STEAM			N	
ECONOMIZER, BOILER #5				BOILER FEEDWATER		N	
LJUNGSTROM REGENERATIVE AIR PREHEATER, BOILER #6				COMBUSTION AIR		N	
FEEDWATER HEATER				BOILER #4 FEEDWATER		N	
BOILER FEED PUMP #9	630 GPM			BOILER FEEDWATER	300 HP, STEAM TURBINE DRIVEN	N	
DEAERATOR EAST	16,797 GAL			CONDENSATE RETURN		N	
CONTINUOUS BLOWDOWN FLASH TANK				CONDENSATE RETURN	BUILDING 11 - BOILER #6 AREA	N	
CONDENSATE RECEIVER/PUMP SET						N	
STEAM SOOTBLOWERS, BOILER #5						N	
STEAM SOOTBLOWERS, BOILER #6						N	
NALCO SAMPLING SYSTEM						Y	
DUPLEX SLUMP PUMPS	250 GPM, 5 HP	QTY: 2		AUROORA MODEL 532A CENTRIFUGAL PUMPS	SALVAGE VALUE POSSIBLY INCLUDED IN TURBINE PACKAGE	N	
(GTG-1, GTG-2, HRSG-1, HRSG-2, PUMP ROOM/CONTROL ROOM AREAS)							
GAS TURBINE GENERATOR (GTG-1)	5500 KW		POWER GENERATION	SOLAR GAS TURBINE MODEL TAURUS 60		Y	GTG-1
GAS TURBINE GENERATOR (GTG-2)	5500 KW		POWER GENERATION	SOLAR GAS TURBINE MODEL TAURUS 60		Y	GTG-2
HEAT RECOVERY STEAM GENERATOR (HRSG-1)	50,000 LB/HR		350# STEAM	RENTECH		N	
HEAT RECOVERY STEAM GENERATOR (HRSG-2)	50,000 LB/HR		350# STEAM	RENTECH		N	
BOILER EVAPORATOR (INTEGRAL TO HRSG-1)					TDP OF HRSG	N	
BOILER EVAPORATOR (INTEGRAL TO HRSG-2)					TDP OF HRSG	N	
INTERMITTENT BLOWDOWN TANK		QTY: 2				N	
CONTINUOUS BLOWDOWN TANK		QTY: 1				N	
MAKE-UP AIR UNIT (MU-1)	15,000 CFM, 1458 KBTU		B11 HVAC	DIRECT GAS FIRED, GREENHECK MODEL DGX-125-1435-08	BUILDING 11 - GTG-1 AREA	N	
BOILER FEED PUMP #2	315 GPM		BOILER FEEDWATER	170 HP, MOTOR DRIVEN	BUILDING 11 - PUMP ROOM	N	
BOILER FEED PUMP #3			BOILER FEEDWATER	VFD DRIVE (TO BE INSTALLED 2012)	BUILDING 11 - PUMP ROOM	N	
BOILER FEED PUMP #4			BOILER FEEDWATER	VFD DRIVE (TO BE INSTALLED 2012)	BUILDING 11 - PUMP ROOM	N	
AIR COMPRESSOR	15 CFM, 250 PSIG, 5 HP	QTY: 1	COMPRESSED AIR	QUINCY MODEL 325	SALVAGE VALUE INCLUDED IN TURBINE PACKAGE	Y	AC-1
AIR COMPRESSOR	15 CFM, 250 PSIG, 5 HP	QTY: 1	COMPRESSED AIR	QUINCY MODEL 325	SALVAGE VALUE INCLUDED IN TURBINE PACKAGE	Y	AC-2
AIR COMPRESSOR		QTY: 1	COMPRESSED AIR	QUINCY		Y	AC-3
AIR DRYER	325 CFM	QTY: 1	COMPRESSED AIR	PNEUMATECH MODEL AD 325		Y	AD-325
AIR DRYER	175 CFM	QTY: 1	COMPRESSED AIR	PNEUMATECH MODEL AD 175		Y	AD-175
AIR COMPRESSOR		QTY: 1	COMPRESSED AIR	QUINCY		Y	AC-175
AIR COMPRESSOR NO. #6/AIR DRYER	81.8 CFM		COMPRESSED AIR	INGERSOLL RAND MODEL 15T		Y	
AIR COMPRESSOR NO. #4/AIR DRYER	159 CFM		COMPRESSED AIR	INGERSOLL RAND MODEL QSB-40		Y	
DEAERATOR WEST	15,500 GAL		CONDENSATE RETURN		BUILDING 11 - PUMP ROOM (MEZZ)	N	
CONDENSATE COLLECTION TANK #1	8,333 GALLONS		CONDENSATE RETURN		BUILDING 11 - PUMP ROOM	N	
CONDENSATE COLLECTION TANK #2	8,333 GALLONS		CONDENSATE RETURN		BUILDING 11 - PUMP ROOM	N	
CONDENSATE COLLECTION TANK #3	8,333 GALLONS		CONDENSATE RETURN		BUILDING 11 - PUMP ROOM	N	
CONDENSATE PUMP #1			CONDENSATE RETURN		B11 PUMP ROOM, 50 HP SPLIT CASE PUMP	N	
CONDENSATE PUMP #2			CONDENSATE RETURN		B11 PUMP ROOM, 50 HP SPLIT CASE PUMP	N	
CONDENSATE PUMP #3			CONDENSATE RETURN		B11 PUMP ROOM, 50 HP SPLIT CASE PUMP	N	
CONDENSATE PUMP #5			CONDENSATE RETURN		B11 PUMP ROOM	N	
CONDENSATE PUMP #6			CONDENSATE RETURN		B11 PUMP ROOM	N	
POLISHER PUMP #1				25 HP END SUCTION PUMP	B11 PUMP ROOM	N	
POLISHER PUMP #2				26 HP END SUCTION PUMP	B11 PUMP ROOM	N	
AMMONIA VAPORIZATION SKID		QTY: 2		VECTOR SYSTEM INC. MODEL DR6089	SALVAGE VALUE INCLUDED IN TURBINE PACKAGE	Y	APCU-1, APCU-2
DUCT BURNER SKID		QTY: 2			SALVAGE VALUE INCLUDED IN TURBINE PACKAGE	Y	
FUEL OIL PUMP #1	34 GPM, 75 PSI, 3 HP	QTY: 1	FUEL SUPPLY	TUTHILL MODEL GG130	GTG AREA - WEST MEZZ	Y	FP-1
FUEL OIL PUMP #2	34 GPM, 75 PSI, 3 HP	QTY: 1	FUEL SUPPLY	TUTHILL MODEL GG130	GTG AREA - WEST MEZZ	Y	FP-2
FUEL OIL PUMP #3	34 GPM, 75 PSI, 3 HP	QTY: 1	FUEL SUPPLY	TUTHILL MODEL GG130	GTG AREA - WEST MEZZ	Y	FP-3
FUEL OIL PUMP #4	34 GPM, 75 PSI, 3 HP	QTY: 1	FUEL SUPPLY	TUTHILL MODEL GG130	GTG AREA - WEST MEZZ	Y	FP-4
LUBE OIL COOLER		QTY: 2			SALVAGE VALUE INCLUDED IN TURBINE PACKAGE	Y	LOC-1, LOC-2
AIR COMPRESSOR/DRYER	150 PSIG	QTY: 1 EACH	COMPRESSED AIR	QUINCY 300 SCFM AIR COMPRESSOR / QUINCY AIR DRYER	BUILDING 11 - PUMP ROOM	Y	ACAD-1
EXHAUST FANS	14,690 CFM, 5 HP	QTY: 2	B11 HVAC	GREENHECK BELT DRIVEN CENTRIFUGAL, MODEL CUBE-360HP-50X	BUILDING 11 - ROOFTOP	Y	EF-1, EF-2
(ENGINE ROOM)							
DISEL GENERATOR (DG-1)	1500 KW		POWER GENERATION	CATERPILLAR 3516	BUILDING 11 - GENERATOR ROOM	Y	DG-1
STEAM TURBINE GENERATOR (STG-1)	1500 KW		350# STEAM	MURRAY RIG2 (80,000 LB/HR, 350 PSIG TO 125 PSIG)	BUILDING 11 - GENERATOR ROOM	Y	STG-1
STEAM TURBINE GENERATOR (STG-2)	1500 KW		350# STEAM	MURRAY RIG2 (80,000 LB/HR, 350 PSIG TO 125 PSIG)	BUILDING 11 - GENERATOR ROOM	Y	STG-2
BRIDGE CRANE	14,000 LB			TRAVELS ON RAILS IN AN EAST/WEST DIRECTION	BUILDING 11 - GENERATOR ROOM	N	
SILENCER		8 FT LENGTH	DG-1 EXHAUST		SALVAGE VALUE INCLUDED IN DG-1	Y	

MAJOR EQUIPMENT DEMOLITION LIST OUTSIDE BUILDING 11							
EQUIPMENT DESCRIPTION	CAPACITY	SIZE / QUANTITY	SYSTEM	EXTENDED DESCRIPTION	ADDITIONAL NOTES	SALVAGE (Y/N)	SALVAGE TAG NO.
AQUIOUS AMMONIA STORAGE TANK	10,400 GALLONS		AMMONIA	STAINLESS STEEL	YARD - 6501 (RECLAIM AL IN TANK) SALVAGE INCLUDED IN TURBINE PACKAGE.	Y	AT-1
AMMONIA PUMP SKID (PUMPS #1 AND #2)	0.5 HP EACH	QTY: 2	AMMONIA	PULSAFEEDER MODEL GMC4-ACT-TTF	YARD - 6502, SALVAGE INCLUDED IN TURBINE PACKAGE	Y	AP-1, AP-2
AMMONIA TRANSFER PUMP BUILDING				PREFAB METAL INSULATED, 12'X9', 9'-6" H, 3KW ELECTRIC HTR.	SALVAGE INCLUDED IN TURBINE PACKAGE	Y	BLDG 6502
RO SKID	30 HP EA	QTY: 4 SKIDS	DEMINERALIZED WATER	NALCO MODEL NMB3R100PCY	YARD	Y	RO-1, 2, 3, 4
DEMINERALIZED WATER TANK	150,000 GALLONS	QTY: 1	DEMINERALIZED WATER	PAINTED CARBON STEEL	YARD - 6509	N	
DEMINERALIZED WATER TANK	16,000 GALLONS	QTY: 1	DEMINERALIZED WATER	PAINTED CARBON STEEL	YARD - NEAR 11H	N	
DEMINERALIZED WATER TANK	16,000 GALLONS	QTY: 1	DEMINERALIZED WATER	PAINTED CARBON STEEL	YARD - NEAR 11H	N	
FUEL OIL STORAGE TANK	440,000 GALLON	QTY: 1	FUEL SUPPLY	ABOVE GROUND, STEEL	YARD - 11E (RECLAIM FUEL OIL IN TANK)	N	
FUEL OIL DAY TANK	3,000 GALLON	QTY: 1	FUEL SUPPLY	42 FUEL OIL STORAGE, ABOVE GROUND, INTERNAL CONTAINMENT	YARD - 11B	Y	TK-1
FUEL OIL PUMP #5	130 GPM, 130 PSI, 15 HP	QTY: 1	FUEL SUPPLY	TUTHILL MODEL GG2101	FUEL OIL PUMP HOUSE (BLDG 11G)	Y	FP-5
FUEL OIL PUMP #6	130 GPM, 130 PSI, 15 HP	QTY: 1	FUEL SUPPLY	TUTHILL MODEL GG2101	FUEL OIL PUMP HOUSE (BLDG 11G)	Y	FP-6
FUEL OIL PUMP #7	130 GPM, 130 PSI, 15 HP	QTY: 1	FUEL SUPPLY	TUTHILL MODEL GG2101	FUEL OIL PUMP HOUSE (BLDG 11G)	Y	FP-7
FUEL OIL PUMP #8	130 GPM, 130 PSI, 15 HP	QTY: 1	FUEL SUPPLY	TUTHILL MODEL GG2101	FUEL OIL PUMP HOUSE (BLDG 11G)	Y	FP-8
NATURAL GAS COMPRESSOR (GC-1)	1400 SCFM, 125 PSIG TO 305 PSIG	QTY: 1	FUEL SUPPLY	ARIEL IGAN/1-1	YARD - BLDG 6503	Y	GC-1
NATURAL GAS COMPRESSOR (GC-2)	1400 SCFM, 125 PSIG TO 305 PSIG	QTY: 1	FUEL SUPPLY	ARIEL IGAN/1-1	YARD - BLDG 6503	Y	GC-2
NATURAL GAS COMPRESSOR BUILDING STORAGE BUILDING (B-0135)		QTY: 1		PREFAB METAL INSULATED, 29'X24', 17'H, 12" ROLLUP & 3' DOOR.	YARD - BLDG 6503	Y	BLDG 6503
RO LEAN-TO		QTY: 1		GENERAL STORAGE, VALVE REPAIR, 42' X24'	YARD - B-135, BLOCK WALL HEIGHT 4'-8" TO SIDE WALL HEIGHT 14'-6"	N	
FLAMMABLE STORAGE BUILDING B-11B		QTY: 1		8.5' x 42.5' WOOD STRUCTURE SLANT ROOF HEIGHT 10'-10"		N	
				BLOCK BUILDING 12'-8" x 22'-11" WITH WALL HEIGHT 10'-2"	WEST OF B011	N	

NOTES:
 1. DEMOLITION LIST IS INTENDED TO PROVIDE A LIST OF MAJOR EQUIPMENT, REVIEW SITE CONDITIONS FOR ADDITIONAL EQUIPMENT.



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DES | DRW | CHK

BRANCH MANAGER

CHIEF ENG/ARCH

<<DD>>

NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST

NAVAL STATION GREAT LAKES, IL

GREAT LAKES, IL

P-816 STEAM DECENTRALIZATION B-11

MECHANICAL DEMOLITION EQUIPMENT LIST

SCALE: NONE

EPROJCT NO.: 1111695

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET 18 OF 91

MD-101

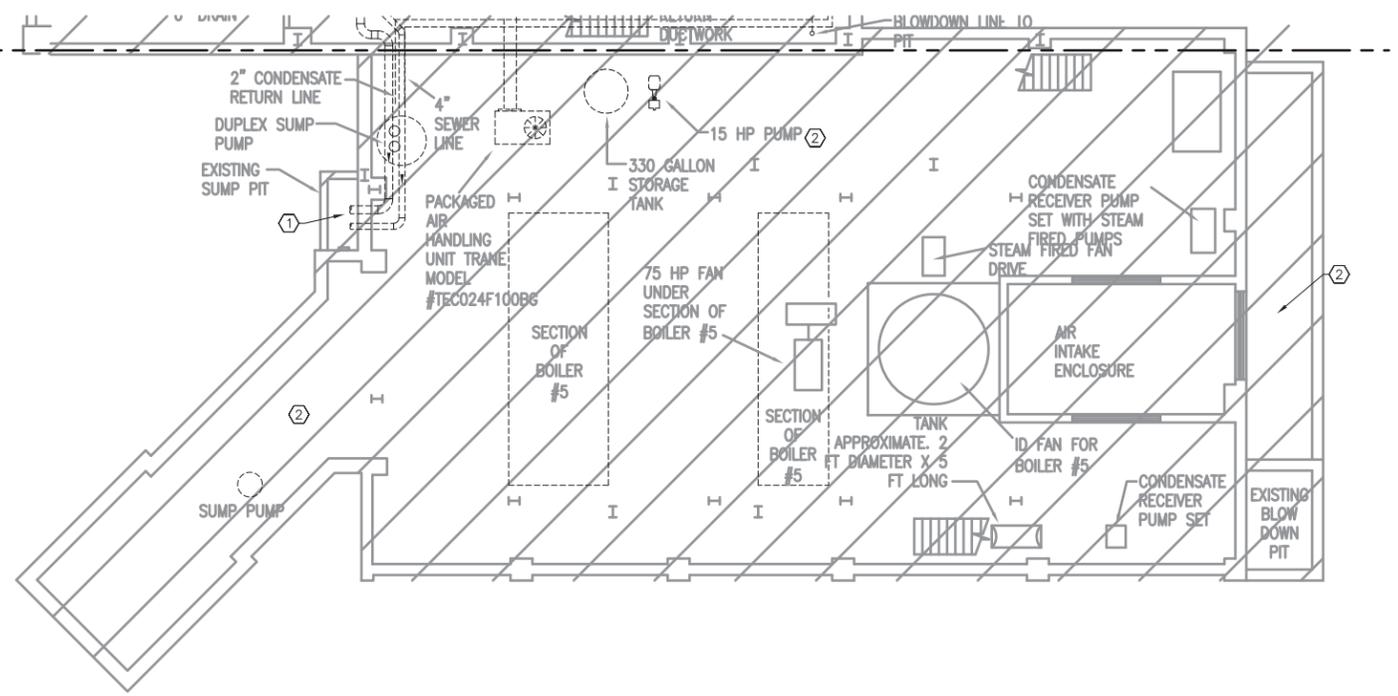
DRAWFORM REVISION: 10 MARCH 2009

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

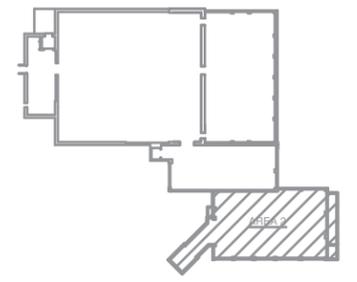
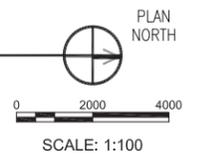
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FILE NAME: P:\A\Create\WALCON\2012_111695_P816_DB_DecentralizeSteamSystem\P-816 Steam De-centralization-Phase 1-Demolition\A_Preliminary\B11-111695-0011-08-MD102.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, February 25, 2015 - 1:42pm USER: lisa.graze

MATCHLINE - SEE SHEET MD-103 FOR CONTINUATION



BLDG. B11: AREA 2 BASEMENT PLAN - DEMOLITION
1:100



- GENERAL NOTES:**
- THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
- DEMO WORK KEY NOTES:**
- PUMPED DRAIN PIPING FROM SUMP PUMPS IN AREA 2 SHALL BE RE-CONFIGURED TO ACCOMMODATE BUILDING DEMOLITION.
 - THIS AREA OF B-11 SHALL BE DEMOLISHED. DEMOLITION TO INCLUDE REMOVAL OF ALL EQUIPMENT AND ANCILLARY COMPONENTS. VOID LEFT SHALL BE BACK-FILLED WITH CLASS 5 TO MATCH EXISTING GRADE.

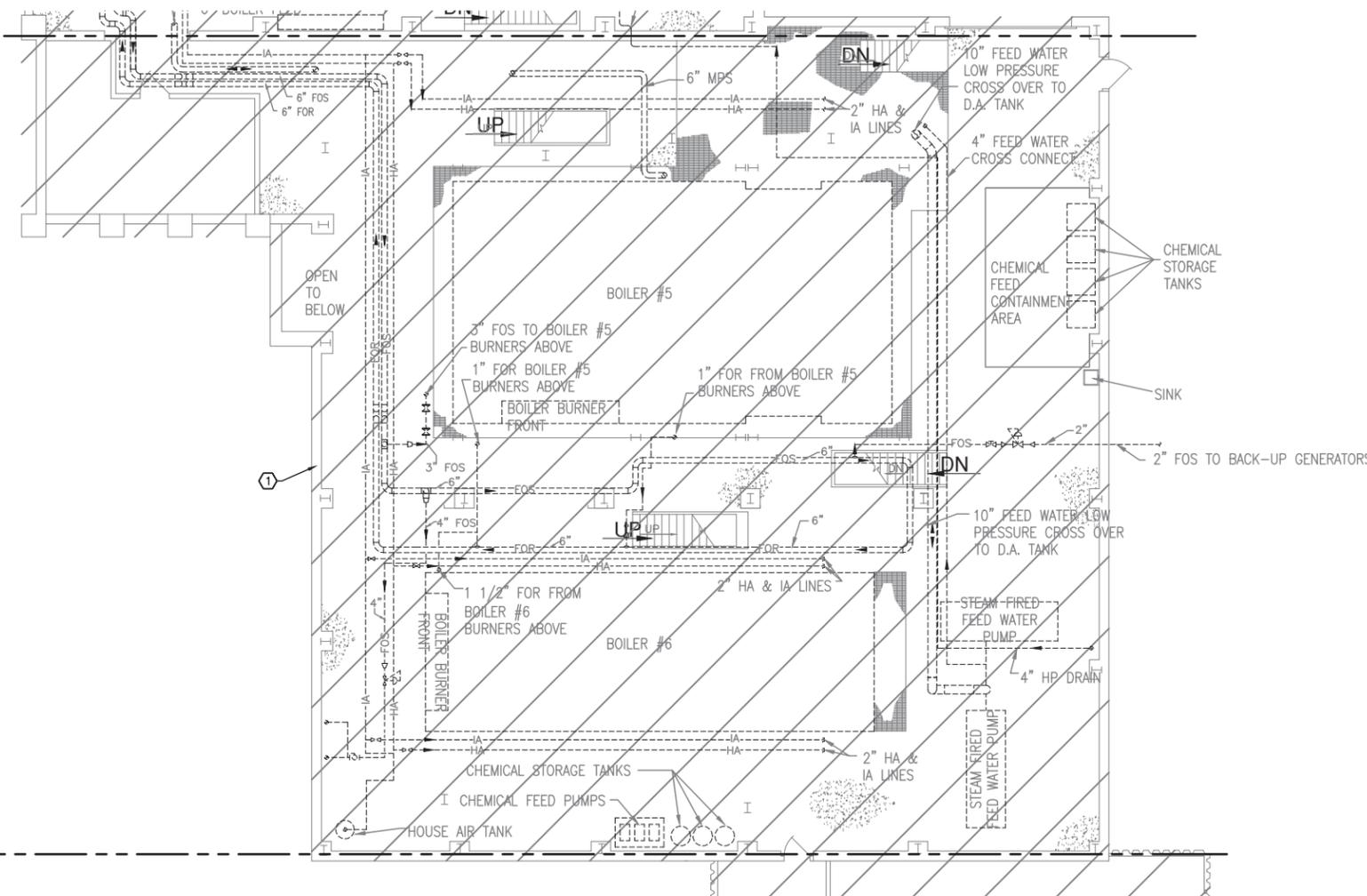
APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<DD>>		
NAVAL FACILITIES ENGINEERING COMMAND	NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST	
PUBLIC WORKS DEPARTMENT	NSCL GREAT LAKES, IL	
NAVAL STATION GREAT LAKES	GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11		
B-11: AREA 2 BASEMENT PLAN - DEMOLITION		
SCALE:	AS NOTED	
EPROJCT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	19	OF 91
MD-102		
DRAWFORM REVISION: 10 MARCH 2009		

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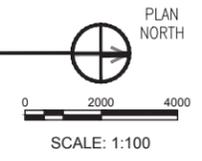
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MATCHLINE - SEE SHEET MD-105 FOR CONTINUATION

MATCHLINE - SEE SHEET MD-113 FOR CONTINUATION



BLDG. B11: AREA 2 1ST FLOOR PLAN - DEMOLITION
1:100



GENERAL NOTES:

- THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.

DEMO WORK KEY NOTES:

- THIS AREA OF B-11 SHALL BE DEMOLISHED. DEMOLITION SHALL INCLUDE REMOVAL OF ALL EQUIPMENT AND ANCILLARY COMPONENTS. THE FLOOR SLAB IN THE AREA SHALL TO REMAIN.

NO.	DESCRIPTION	DATE	APPR.



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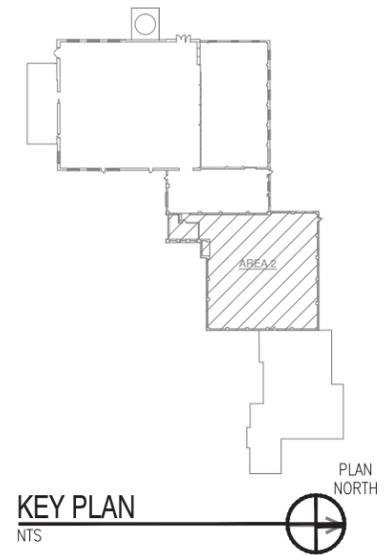


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A/E INFO

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FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO DATE		
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<OD>>		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
B-11: AREA 2 1ST FLOOR PLAN - DEMOLITION

SCALE:	AS NOTED
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	21 OF 91
MD-104	
DRAWFORM REVISION: 10 MARCH 2009	



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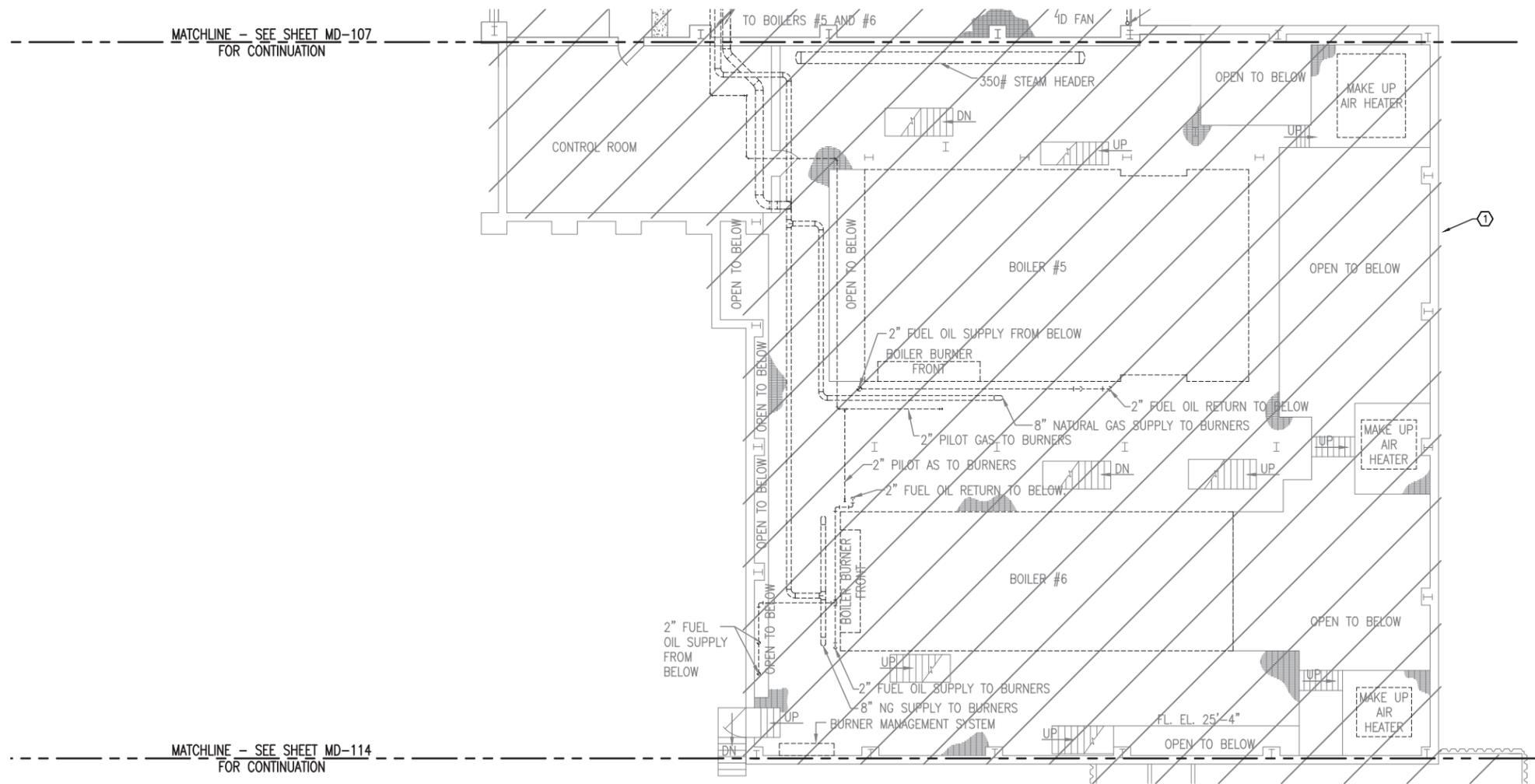
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GENERAL NOTES:

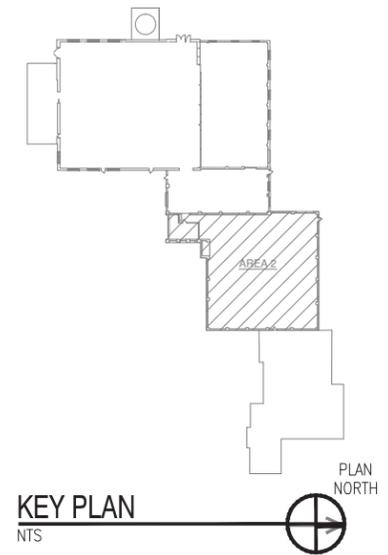
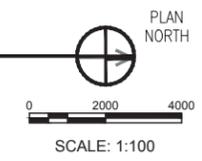
- THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.

DEMO WORK KEY NOTES:

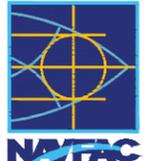
- THIS AREA, EAST OF THE DEMARCATION LINE, SHALL BE DEMOLISHED. DEMOLITION SHALL INCLUDE REMOVAL OF ALL EQUIPMENT AND ANCILLARY COMPONENTS.



BLDG. B11: AREA 2 2ND FLOOR PLAN - DEMOLITION
1:100

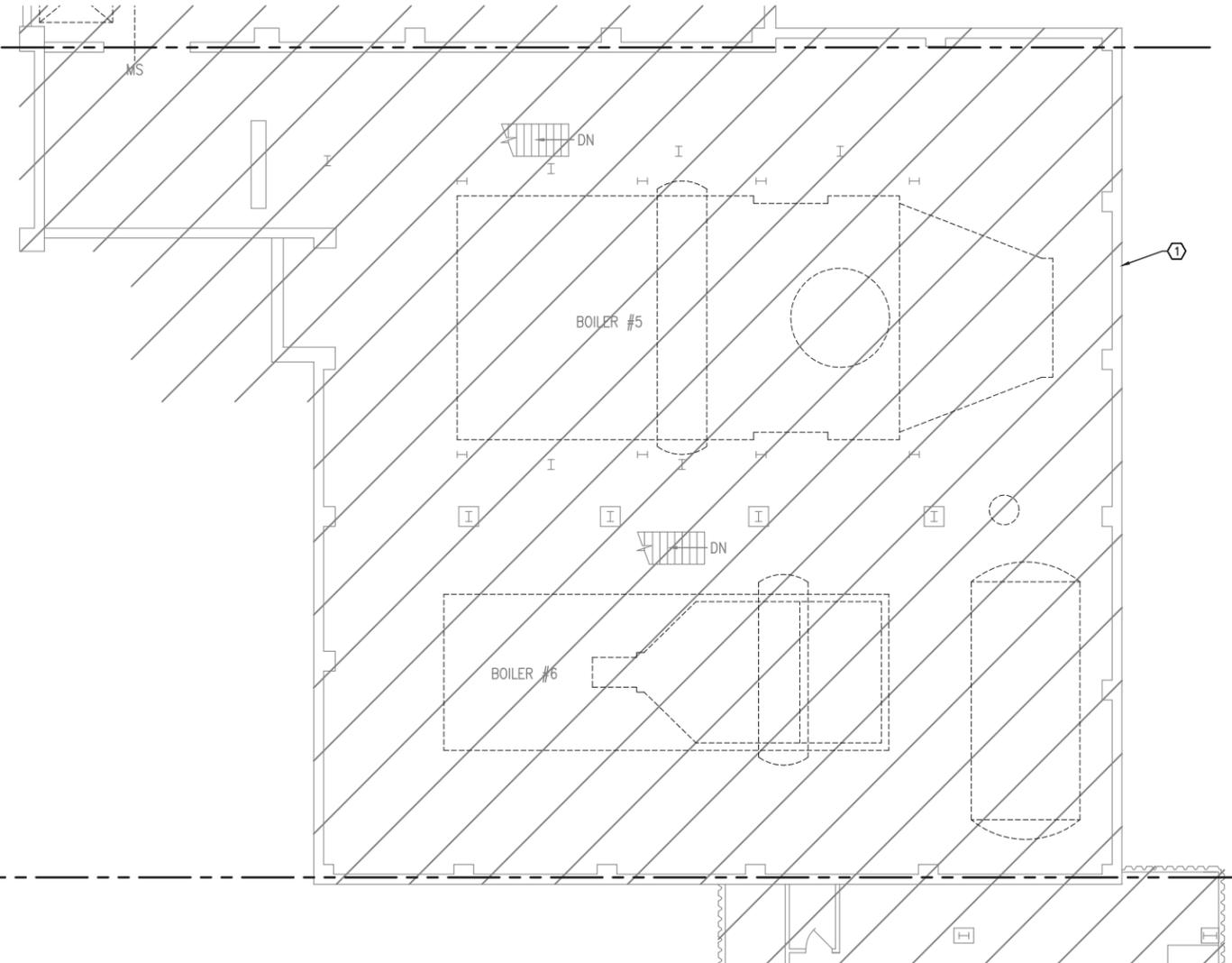


CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

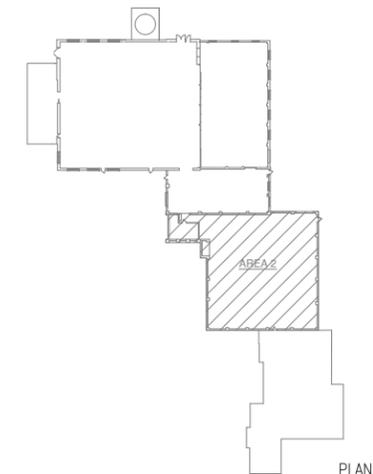
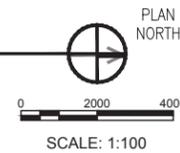
APPR	DATE	
SYN	DESCRIPTION	
 PRELIMINARY NOT FOR CONSTRUCTION		
 HDR Architecture, Inc. <small>850 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</small>		
APPROVED	DATE	
FOR COMMANDER NAVFAC	ACTIVITY	
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>> BRANCH MANAGER CHIEF ENG/ARCH <<ODD>>		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	NAVAL STATION GREAT LAKES
NAVAL FACILITIES ENGINEERING COMMAND	MIDWEST	GREAT LAKES, IL
PUBLIC WORKS DEPARTMENT		
P-816 STEAM DECENTRALIZATION B-11		
B-11: AREA 2 2ND FLOOR PLAN - DEMOLITION		
SCALE:	AS NOTED	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	23	OF 91
MD-106		
<small>DRAWING REVISION: 10 MARCH 2009</small>		

FILE NAME: C:\pwworking\cma\0667328\0111_08_10108.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 12:54pm USER: hembie

MATCHLINE - SEE SHEET MD-109 FOR CONTINUATION



BLDG. B11: AREA 2 3RD FLOOR PLAN - DEMOLITION
1:100



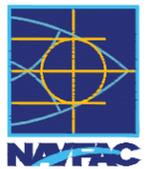
GENERAL NOTES:

1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.

DEMO WORK KEY NOTES:

- ① THIS AREA, EAST OF THE DEMARCATION LINE, SHALL BE DEMOLISHED. DEMOLITION TO INCLUDE REMOVAL OF ALL EQUIPMENT AND ANCILLARY COMPONENTS.

DATE	DESCRIPTION	APP'R



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ACTIVITY

SATISFACTORY TO DATE

DES: DRW: CHK:

<<PM/DM>>

BRANCH MANAGER

CHIEF ENG/ARCH

<<ODD>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST
 NSCL GREAT LAKES, IL
 PUBLIC WORKS DEPARTMENT
 NAVAL STATION GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
 B-11: AREA 2 3RD FLOOR PLAN - DEMOLITION

SCALE: AS NOTED

PROJECT NO.: 1111695

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

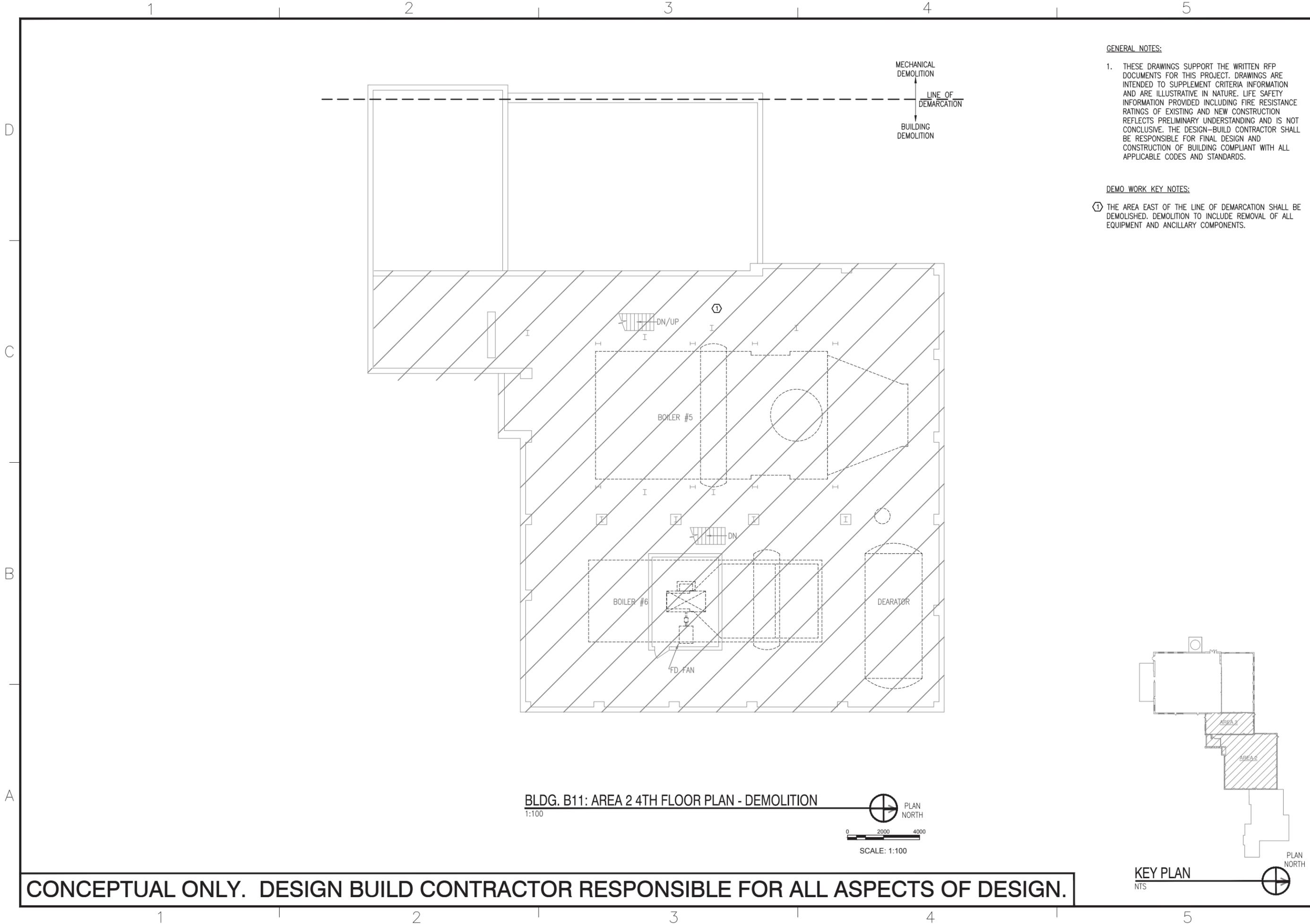
SHEET 25 OF 91

MD-108

DRAWFORM REVISION: 10 MARCH 2009

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FILE NAME: C:\pwworking\cma\0667328\011_08_10\110.dwg LAYOUT NAME: Plot PLOTTED: Friday, November 11, 2011 - 10:22am USER: rbrnall



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DEMO WORK KEY NOTES:

- THE AREA EAST OF THE LINE OF DEMARCATION SHALL BE DEMOLISHED. DEMOLITION TO INCLUDE REMOVAL OF ALL EQUIPMENT AND ANCILLARY COMPONENTS.

BLDG. B11: AREA 2 4TH FLOOR PLAN - DEMOLITION
1:100

PLAN NORTH

0 2000 4000
SCALE: 1:100

KEY PLAN
NTS

PLAN NORTH

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ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
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BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL P-816 STEAM DECENTRALIZATION B-11 B-11: AREA 2&3 4TH FLOOR PLAN - DEMOLITION		
SCALE:	AS NOTED	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	27	OF 91
MD-110		
DRAWFORM REVISION: 10 MARCH 2009		

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GENERAL NOTES:

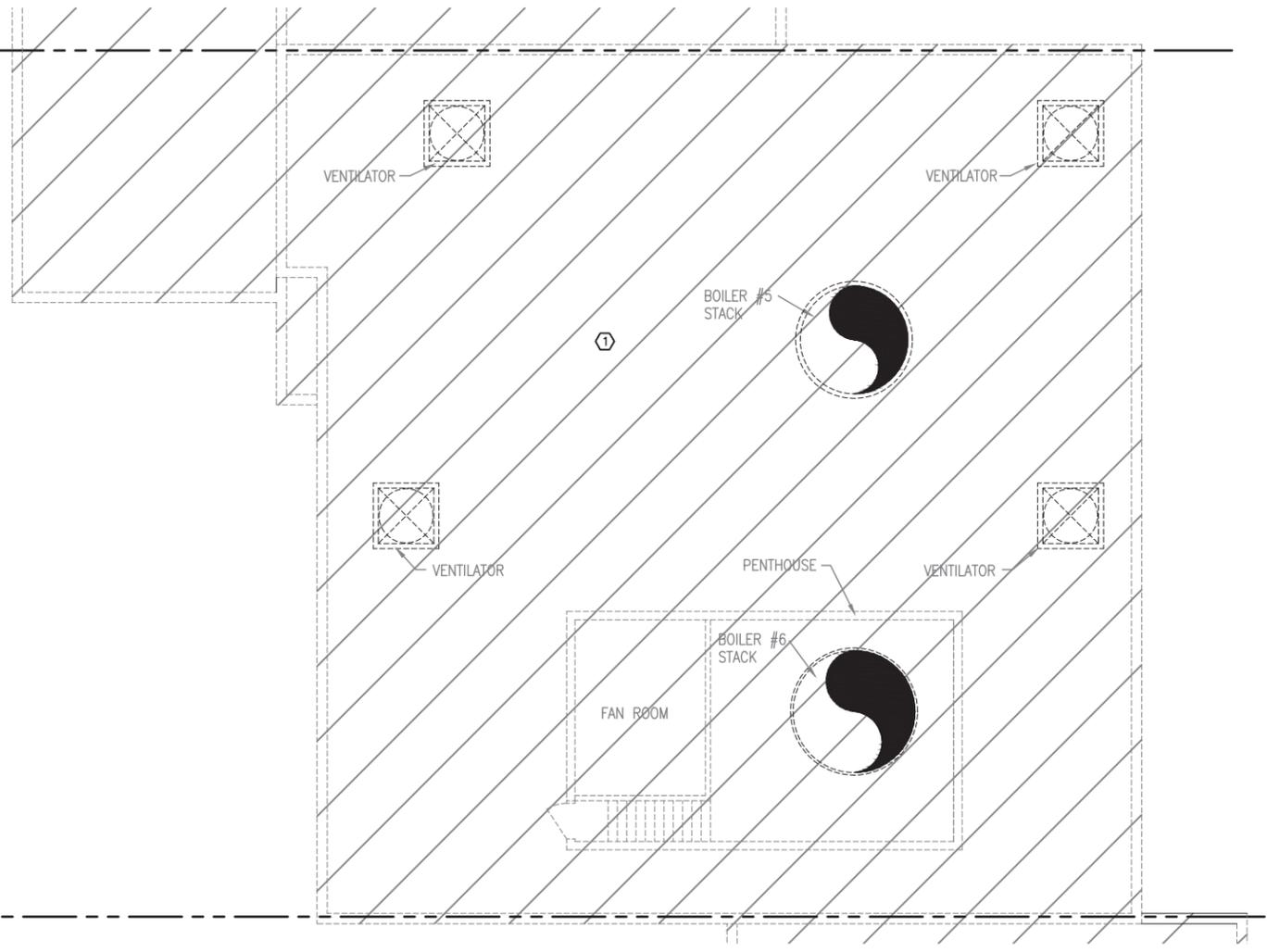
- 1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.

DEMO WORK KEY NOTES:

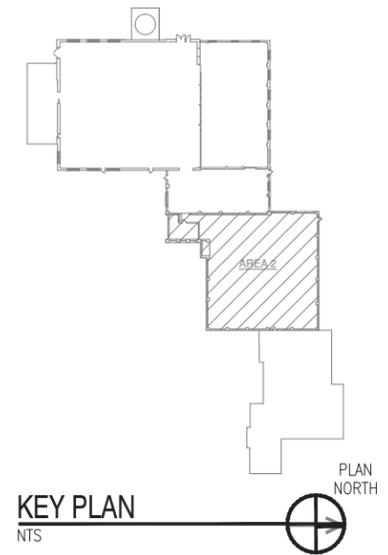
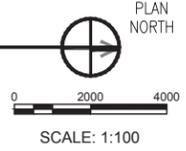
- ① THIS AREA EAST OF THE LINE OF DEMARCATION SHALL BE DEMOLISHED. DEMOLITION TO INCLUDE REMOVAL OF ALL EQUIPMENT AND ANCILLARY COMPONENTS.

MATCHLINE - SEE SHEET MD-112 FOR CONTINUATION

MATCHLINE - SEE SHEET MD-116 FOR CONTINUATION



BLDG. B11: AREA 2 ROOF PLAN - DEMOLITION
1:100

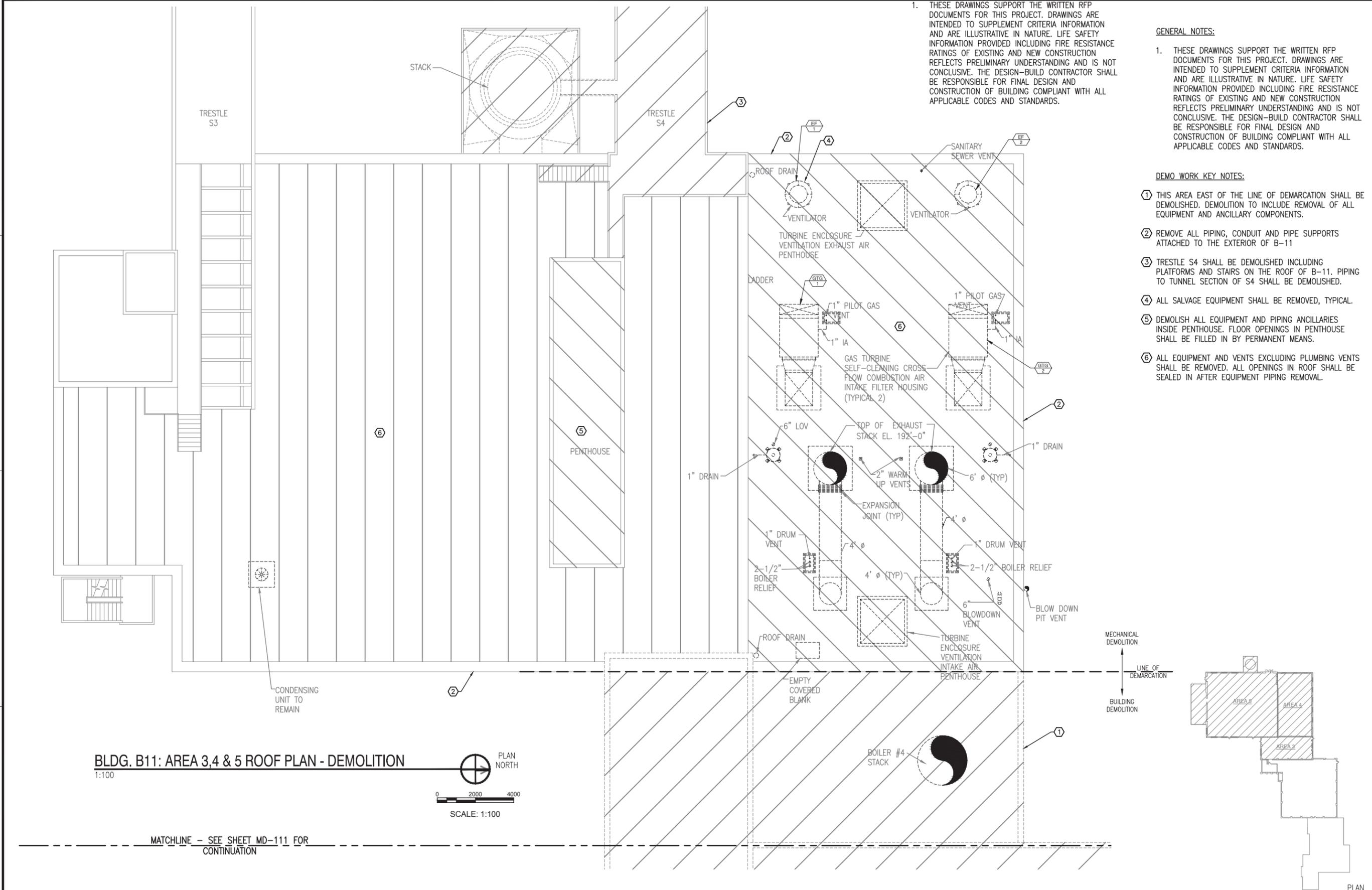


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FOR COMMANDER NIFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL P-816 STEAM DECENTRALIZATION B-11 B-11: AREA 2 ROOF PLAN - DEMOLITION		
SCALE:	AS NOTED	
EPROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	28	OF 91
MD-111		
DRAWFORM REVISION: 10 MARCH 2009		

FILE NAME: C:\pwworking\cma\0667328\0111_08_MD111.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 09, 2011 - 12:55pm USER: hembie

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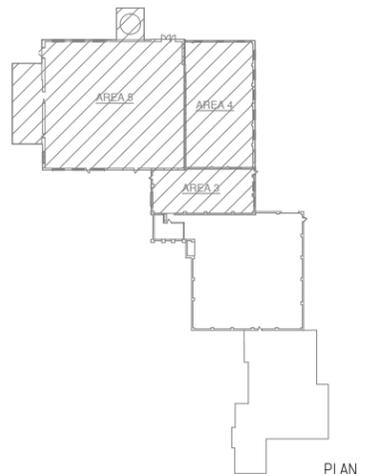
GENERAL NOTES:
 1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.

GENERAL NOTES:
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DEMO WORK KEY NOTES:
 ① THIS AREA EAST OF THE LINE OF DEMARCATION SHALL BE DEMOLISHED. DEMOLITION TO INCLUDE REMOVAL OF ALL EQUIPMENT AND ANCILLARY COMPONENTS.
 ② REMOVE ALL PIPING, CONDUIT AND PIPE SUPPORTS ATTACHED TO THE EXTERIOR OF B-11
 ③ TRESTLE S4 SHALL BE DEMOLISHED INCLUDING PLATFORMS AND STAIRS ON THE ROOF OF B-11. PIPING TO TUNNEL SECTION OF S4 SHALL BE DEMOLISHED.
 ④ ALL SALVAGE EQUIPMENT SHALL BE REMOVED, TYPICAL.
 ⑤ DEMOLISH ALL EQUIPMENT AND PIPING ANCILLARIES INSIDE PENTHOUSE. FLOOR OPENINGS IN PENTHOUSE SHALL BE FILLED IN BY PERMANENT MEANS.
 ⑥ ALL EQUIPMENT AND VENTS EXCLUDING PLUMBING VENTS SHALL BE REMOVED. ALL OPENINGS IN ROOF SHALL BE SEALED IN AFTER EQUIPMENT PIPING REMOVAL.

BLDG. B11: AREA 3,4 & 5 ROOF PLAN - DEMOLITION
 1:100
 PLAN NORTH
 SCALE: 1:100

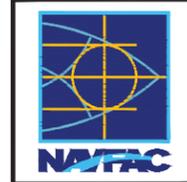
MATCHLINE - SEE SHEET MD-111 FOR CONTINUATION



KEY PLAN
 NTS
 PLAN NORTH

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APPROVED	DATE	APP'R
FOR COMMANDER NMFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT	NAVAL STATION GREAT LAKES GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11		
B-11: AREA 3,4&5 ROOF PLAN - DEMOLITION		
SCALE: AS NOTED		
PROJECT NO.: 1111695		
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET 29 OF 91		
MD-112		
DRAWFORM REVISION: 10 MARCH 2009		



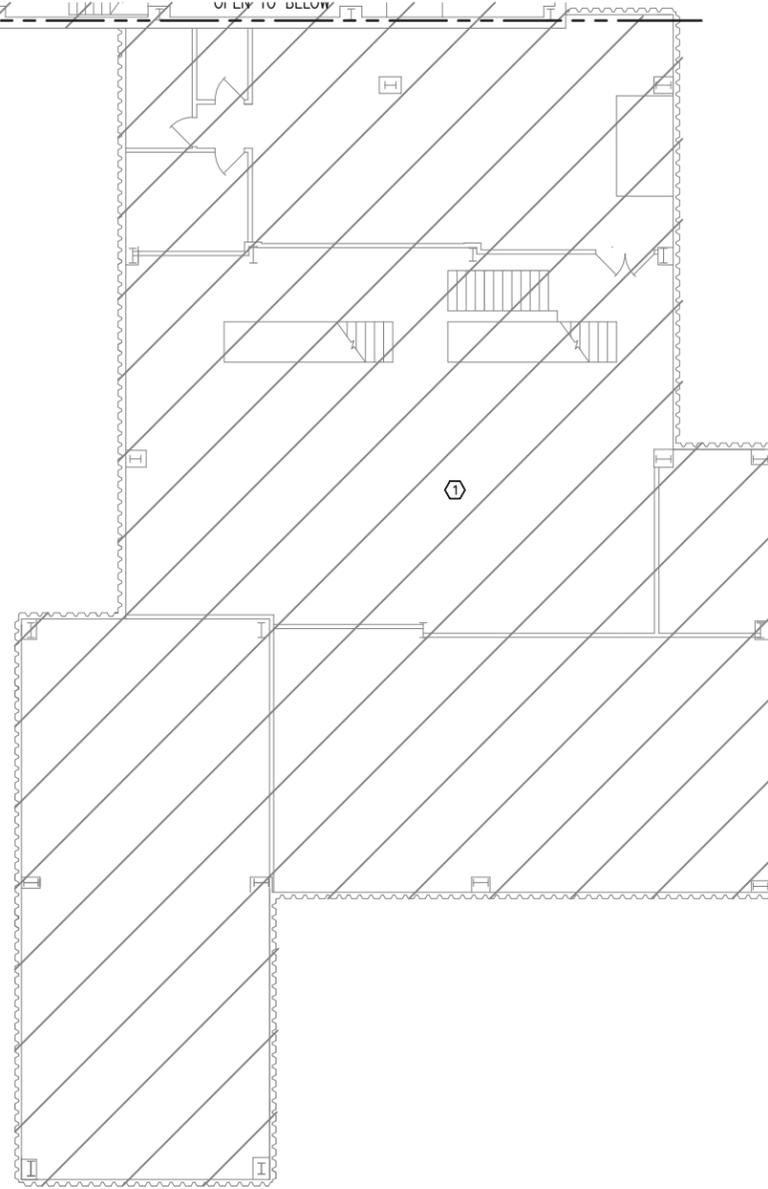
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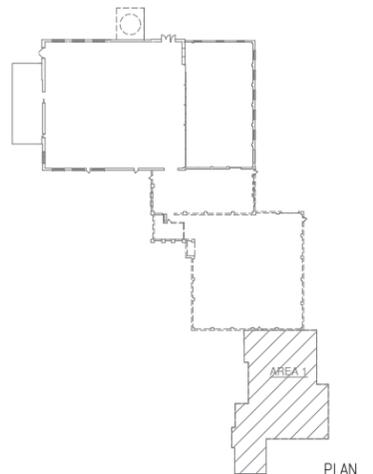
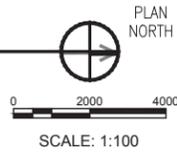
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Chicago, IL 60631 | 773.380.7900

FILE NAME: C:\pwworking\cma\0667328\0111_08_MD114.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 09, 2011 - 12:55pm USER: hembie

MATCHLINE - SEE SHEET MD-106 FOR CONTINUATION

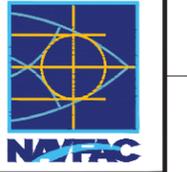


BLDG. B811: AREA 1 2ND FLOOR PLAN - DEMOLITION
1:100



- GENERAL NOTES:**
- THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
- DEMO WORK KEY NOTES:**
- B-811 SHALL BE DEMOLISHED TO SLAB FOUNDATION. DEMOLITION SHALL INCLUDE REMOVAL OF EQUIPMENT AND ANCILLARY EQUIPMENT.

APPR	DATE	DESCRIPTION



**PRELIMINARY
NOT FOR
CONSTRUCTION**



APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO DATE		
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		

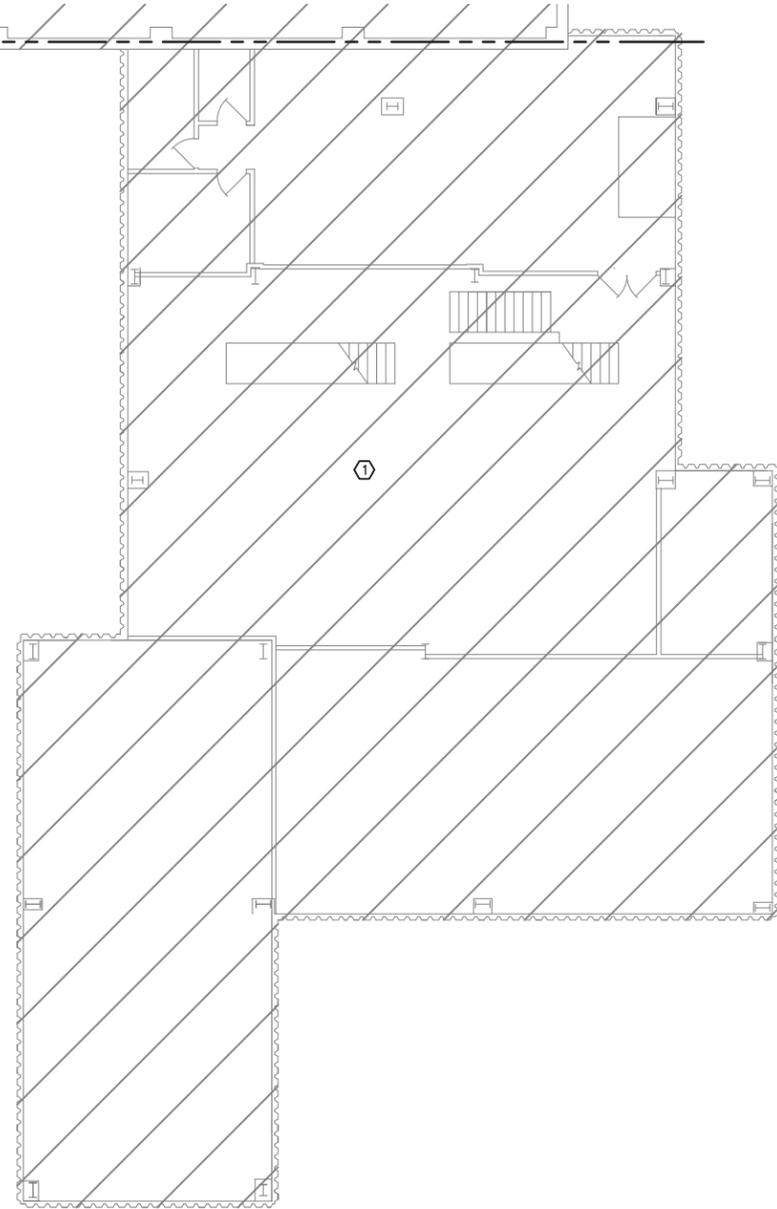
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST
 NSCL GREAT LAKES, IL
 PUBLIC WORKS DEPARTMENT
 NAVAL STATION GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
 B-811: AREA 1 2ND FLOOR PLAN - DEMOLITION

SCALE:	AS NOTED
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	31 OF 91
MD-114	

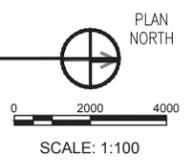
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

FILE NAME: C:\pwworking\cma\0667328\0111_08_MD115.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 1:08pm USER: harnik

MATCHLINE - SEE SHEET MD-108 FOR CONTINUATION



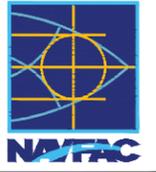
BLDG. B811: AREA 1 3RD FLOOR PLAN - DEMOLITION
1:100



GENERAL NOTES:
1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.

DEMO WORK KEY NOTES:
① THIS AREA, EAST OF THE DEMARCATION LINE, SHALL BE DEMOLISHED. DEMOLITION TO INCLUDE REMOVAL OF ALL EQUIPMENT AND ANCILLARY COMPONENTS.

APP'R	DATE	DESCRIPTION



**PRELIMINARY
NOT FOR
CONSTRUCTION**



APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
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BRANCH MANAGER		
CHIEF ENG/ARCH		
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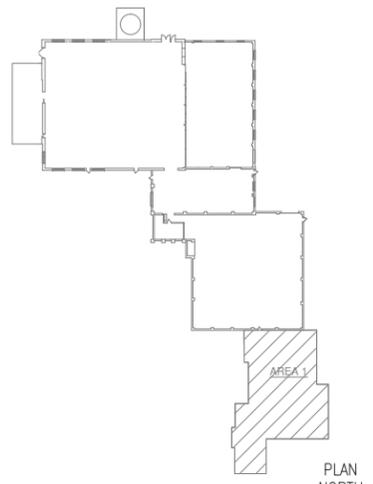
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST
 NSCL GREAT LAKES, IL
 PUBLIC WORKS DEPARTMENT
 NAVAL STATION GREAT LAKES
 GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
 B-811: AREA 1 3RD FLOOR PLAN - DEMOLITION

SCALE:	AS NOTED
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	32 OF 91
MD-115	

DRAWFORM REVISION: 10 MARCH 2009

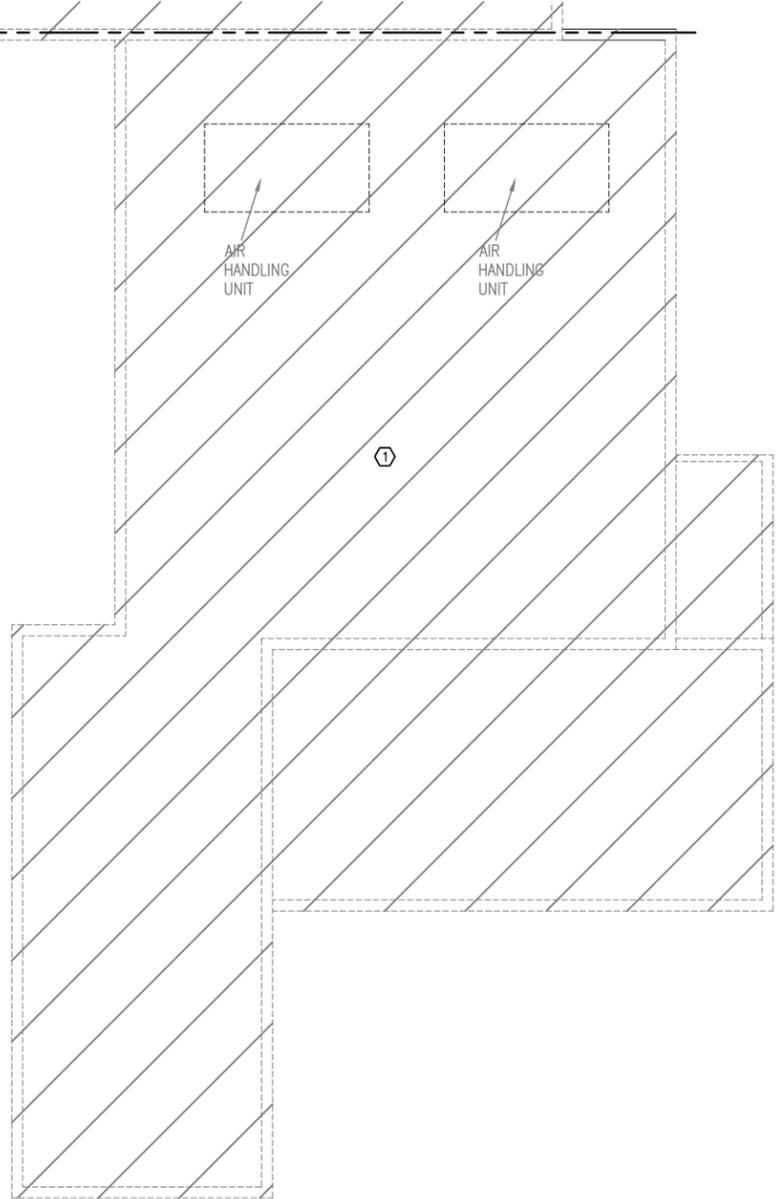
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

KEY PLAN
NTS



1 2 3 4 5

MATCHLINE - SEE SHEET MD-111 FOR CONTINUATION



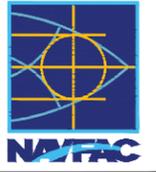
GENERAL NOTES:

- THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.

DEMO WORK KEY NOTES:

- B-811 SHALL BE DEMOLISHED TO SLAB FOUNDATION. DEMOLITION SHALL INCLUDE REMOVAL OF EQUIPMENT AND ANCILLARY COMPONENTS.

APPR	DATE	DESCRIPTION	BY



PRELIMINARY NOT FOR CONSTRUCTION

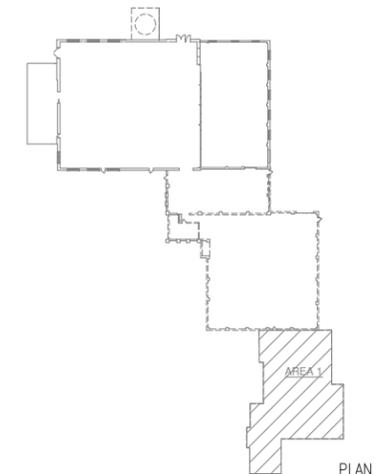
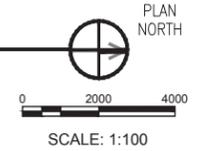


HDR Architecture, Inc.
850 West Bryn Mawr Ave | Suite 900
Chicago, IL 60631 | 773.380.7900

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FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
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BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
B-811: AREA 1 ROOF PLAN - DEMOLITION

BLDG. B811: AREA 1 ROOF PLAN - DEMOLITION
1:100



CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

SCALE:	AS NOTED
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	33 OF 91
MD-116	
DRAWFORM REVISION: 10 MARCH 2009	

FILE NAME: C:\pwworking\cma\0667328\0111_08_MD116.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 09, 2011 - 12:55pm USER: hembie

1 2 3 4 5

FILE NAME: P:\C\Create\W\CON\2012_111695_P816_DB_Decentralization-Phase 1-Demolition\A_Preliminary\816-111695-001-09-E001.dwg LAYOUT NAME: E001 PLOTTED: Monday, March 02, 2015 - 5:54pm USER: bucajagmet

LOW - VOLTAGE CIRCUIT BREAKER (CB).
RATINGS AND NO. OF POLES AS SHOWN.
WHEN SPECIFIC TYPE IS REQUIRED, X INDICATES TYPE.

TYPES:
MCCB - MOLDED CASE
ICCB - INSULATED CASE
LVF - LOW - VOLTAGE POWER
MCP - MOTOR CIRCUIT PROTECTOR
(RATING PER CONNECTED LOAD)

SEPARATELY MOUNTED CIRCUIT BREAKER; SEE ELECTRICAL ONE - LINE DIAGRAM OR SCHEDULE FOR DESCRIPTION

GROUND FAULT PROTECTION

MEDIUM - VOLTAGE CIRCUIT BREAKER

FUSE, SIZE, AND NUMBER OF FUSES AS NOTED

FUSED CUTOUT, CURRENT RATING, FUSE SIZE, AND NUMBER OF POLES AS NOTED

FUSIBLE SWITCH, CURRENT RATING, FUSE SIZE, AND QUANTITY AS NOTED

NON-FUSED SWITCH, CURRENT RATING, AND NUMBER OF POLES AS NOTED

DISCONNECT OR DRAWOUT CONNECTION

MAGNETIC MOTOR STARTER AND SEPARATELY MOUNTED COMBINATION MAGNETIC MOTOR STARTER

MOTOR CONTROLLER AND SEPARATELY MOUNTED MOTOR CONTROLLER WITH SHORT CIRCUIT PROTECTION AND DISCONNECT

MOTOR STARTER AND CONTROLLER SUBSCRIPTS:
A - MAGNETIC STARTER NEMA SIZE
B - STARTER TYPE
NONE - FULL VOLTAGE NON-REVERSING (FNVR)
FVR - FULL VOLTAGE REVERSING
ZS - TWO SPEED
RVAT - REDUCED VOLTAGE AUTO TRANSFORMER

C - CONTROL DIAGRAM OR CONTROLS SCHEDULE NUMBER (IF REQUIRED)

D - CONTROLLER TYPE
VFD - VARIABLE FREQUENCY DRIVE
SS - SOLID STATE

SEPARATELY MOUNTED COMBINATION MOTOR STARTER OR CONTROLLER; SEE ELECTRICAL ONE - LINE DIAGRAM OR SCHEDULE FOR DESCRIPTION

THERMAL OVERLOAD ELEMENT

THERMAL OVERLOAD RELAY CONTACT

DISCONNECT OR SAFETY SWITCH, 30A, 3P, NON-FUSED UNLESS OTHERWISE NOTED

MOTOR WITH DESIGN HORSEPOWER (WHEN INDICATED)

GENERATOR

TRANSFER SWITCH, CURRENT RATING, AND NUMBER OF POLES AS NOTED
ATS - AUTOMATIC MTS
- MANUAL

TRANSFORMER
Δ 3-PHASE, 3-WIRE DELTA CONNECTION
Y 3-PHASE, 4-WIRE GROUNDWY WYE CONNECTION

SWITCHBOARD OR PANELBOARD; NAME, VOLTAGE, PHASE, NUMBER OF WIRES WHEN INDICATED

OVERHEAD DISTRIBUTION RISER POLE

OVERHEAD DISTRIBUTION POLE

NON-MOTOR LOAD WITH DESIGN KVA, KW, OR AMP

CONTROL POWER TRANSFORMER (CPT)

VOLTAGE TRANSFORMER (VT OR PT)

CURRENT TRANSFORMER (CT)

UTILITY WATT-HOUR METER PER UTILITY REQUIREMENTS

DIGITAL METERING PACKAGE

RUN TIME METER

GROUND

LIGHTNING ARRESTER

LOW VOLTAGE SURGE PROTECTIVE DEVICE

ELECTRICAL CONNECTION

NO ELECTRICAL CONNECTION

SOLENOID VALVE

CONTROL/RELAY COIL; X INDICATES TYPE, Y INDICATES LOOP NO. WHEN USED

TYPES:
CR - CONTROL RELAY
DP - DEFINITE PURPOSE RELAY
LC - LIGHTING CONTACTOR
M - MOTOR STARTER
PC - PHOTO CELL
TC - TIME CLOCK
TR - TIMING RELAY

NORMALLY OPEN CONTACT (N.O.)

NORMALLY CLOSED CONTACT (N.C.)

NORMALLY OPEN TIME DELAY RELAY CONTACT WITH TIME DELAY ON CLOSING AFTER COIL IS ENERGIZED

NORMALLY CLOSED TIME DELAY RELAY CONTACT WITH TIME DELAY ON OPENING AFTER COIL IS ENERGIZED

NORMALLY OPEN TIME DELAY RELAY CONTACT WITH TIME DELAY ON OPENING AFTER COIL IS DE-ENERGIZED

NORMALLY CLOSED TIME DELAY RELAY CONTACT WITH TIME DELAY ON CLOSING AFTER COIL IS DE-ENERGIZED

NORMALLY OPEN TEMPERATURE SWITCH; CLOSE ON RISING TEMPERATURE

NORMALLY CLOSED TEMPERATURE SWITCH; OPEN ON RISING TEMPERATURE

NORMALLY OPEN FLOW SWITCH; CLOSE ON INCREASING FLOW

NORMALLY CLOSED FLOW SWITCH; OPEN ON INCREASING FLOW

NORMALLY OPEN LEVEL SWITCH, CLOSE ON RISING LEVEL

NORMALLY CLOSED LEVEL SWITCH, OPEN ON RISING LEVEL

NORMALLY OPEN PRESSURE SWITCH, CLOSE ON INCREASING PRESSURE

NORMALLY CLOSED PRESSURE SWITCH, OPEN ON INCREASING PRESSURE

NORMALLY OPEN LIMIT SWITCH, CLOSE ON REACHING LIMIT

NORMALLY CLOSED LIMIT SWITCH, OPEN ON REACHING LIMIT

FIELD WIRING EXTERNAL TO CONTROL PANEL

INTERLOCK; X INDICATES TYPE

TYPES:
E - ELECTRICAL M - MECHANICAL K - KEY

3 POSITION SELECTOR SWITCH, MAINTAINED CONTACTS; UNLESS OTHERWISE NOTED, 2-POSITION SIMILAR

NORMALLY OPEN PUSHBUTTON, MOMENTARY CONTACT UNLESS OTHERWISE NOTED

NORMALLY CLOSED PUSHBUTTON, MOMENTARY CONTACT UNLESS OTHERWISE NOTED

INDICATING LIGHT, X INDICATES LENS COLOR

PUSH TO TEST INDICATING LIGHT, X INDICATES LENS COLOR

LENS COLORS:
R - RED Y - YELLOW W
G - GREEN - WHITE A - AMBER
B - BLUE

TRANSFORMER

SELECTOR SWITCH

PUSHBUTTON

INSTRUMENTATION/CONTROL DEVICE

CONTROL PANEL INTEGRAL OR PROVIDED WITH ASSOCIATED EQUIPMENT

CONTROL PANEL WITH DISCONNECT SWITCH INTEGRAL OR PROVIDED WITH ASSOCIATED EQUIPMENT

JUNCTION OR PULL BOX

PANELBOARD (250V TO 600V)

PANELBOARD (LESS THAN 250V)

ELECTRICAL EQUIPMENT ENCLOSURE: SWITCHBOARD, MOTOR CONTROL CENTER, CONTROL PANEL, OR OTHER EQUIPMENT AS INDICATED

PHOTOCELL

CEILING/PENDANT-MOUNTED LUMINAIRE - HID, COMPACT FLUORESCENT, OR INCANDESCENT

WALL-MOUNTED LUMINAIRE - HID, COMPACT FLUORESCENT, OR INCANDESCENT

CEILING/PENDANT-MOUNTED FLUORESCENT FIXTURE

WALL-MOUNTED FLUORESCENT FIXTURE

CEILING/PENDANT-MOUNTED FLUORESCENT FIXTURE NORMAL/EMERGENCY

WALL-MOUNTED FLUORESCENT FIXTURE NORMAL/EMERGENCY

EMERGENCY LIGHT FIXTURE, 2 ATTACHED HEADS AS SHOWN

EMERGENCY LIGHT, REMOTE MOUNTED HEAD

DOUBLE-FACED CEILING OR WALL-MOUNTED EXIT LIGHT; DIRECTIONAL ARROWS (IF REQUIRED) AS INDICATED ON PLANS

SINGLE-FACED CEILING OR WALL-MOUNTED EXIT LIGHT; DIRECTIONAL ARROWS (IF REQUIRED) AS INDICATED ON PLANS

AREA OR ROADWAY LIGHT - POLE-MOUNTED

LIGHTING FIXTURE SUBSCRIPTS:
X - INDICATES FIXTURE TYPE PER LIGHTING FIXTURE SCHEDULE
Y - INDICATES CIRCUIT NUMBER FROM PANELBOARD
Z - INDICATES CONTROLLING SWITCH (IF REQUIRED)

TOGGLE SWITCH

SUBSCRIPTS:
X - INDICATES TYPE
NONE - SINGLE POLE
3 - THREE-WAY
4 - FOUR-WAY
HP - TOGGLE SWITCH, HORSEPOWER RATED
K - KEY SWITCH
TE - MANUAL MOTOR STARTER WITH THERMAL ELEMENT
P - PILOT LIGHT
L - LIGHTED HANDLE
Y - INDICATES CONTROLLING SWITCH (IF REQUIRED)

SPECIAL-PURPOSE RECEPTACLE AS DEFINED ON PLANS

PLUG-IN RECEPTACLE STRIP, QUANTITY AND SPACING OF RECEPTACLES AS NOTED OR SPECIFIED

TELECOMMUNICATIONS OUTLET JUNCTION BOX

QUAD-DUPLEX RECEPTACLE, TWO NEMA 5-20R UNDER COMMON COVER PLATE

DUPLEX RECEPTACLE, NEMA 5-20R

SIMPLEX RECEPTACLE, NEMA 5-20R

SUBSCRIPTS:
X - INDICATES TYPE
GFCI - GROUND FAULT CIRCUIT INTERRUPTER
Y - INDICATES CIRCUIT NUMBER FROM PANELBOARD

CONDUIT TURNING UP

CONDUIT TURNING DOWN

HOME RUN TO PANEL, 2 #12, 1 #12G IN 3/4" C UNLESS OTHERWISE NOTED

CONDUIT RUN BETWEEN DEVICES CONCEALED IN NON-ARCHITECTURALLY FINISHED AREAS OR UNDER FLOOR SLAB. CONDUIT AND CONDUCTOR SIZES SHALL BE THE SAME AS THE HOMERUN FOR THE CIRCUIT.

CIRCUIT RUN BETWEEN DEVICES EXPOSED IN NON-ARCHITECTURALLY FINISHED AREAS; CONCEALED IN ARCHITECTURALLY FINISHED AREAS. CONDUIT AND CONDUCTOR SIZES SHALL BE THE SAME AS THE HOMERUN FOR THE CIRCUIT.

CIRCUIT HASH MARKS (WHEN INDICATED); LONG, SHORT, SINGLE DOT, AND DOUBLE DOT REPRESENT PHASE, NEUTRAL, EQUIPMENT GROUND, AND ISOLATED EQUIPMENT GROUND, RESPECTIVELY. #12 IN 3/4" CONDUIT UNLESS OTHERWISE INDICATED.

CIRCUIT CONTINUATION

CONDUIT STUBBED OUT AND CAPPED

CONDUIT TAG OR CIRCUIT NUMBER - WIRE AND CONDUIT SIZE AS SPECIFIED IN CIRCUIT SCHEDULE ON THE SHEETS

GROUND CABLE

GROUND ROD

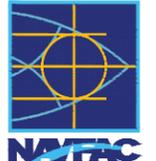
FIRE ALARM ANNUNCIATOR

FIRE ALARM CONTROL PANEL

FIRE ALARM MANUAL PULL STATION

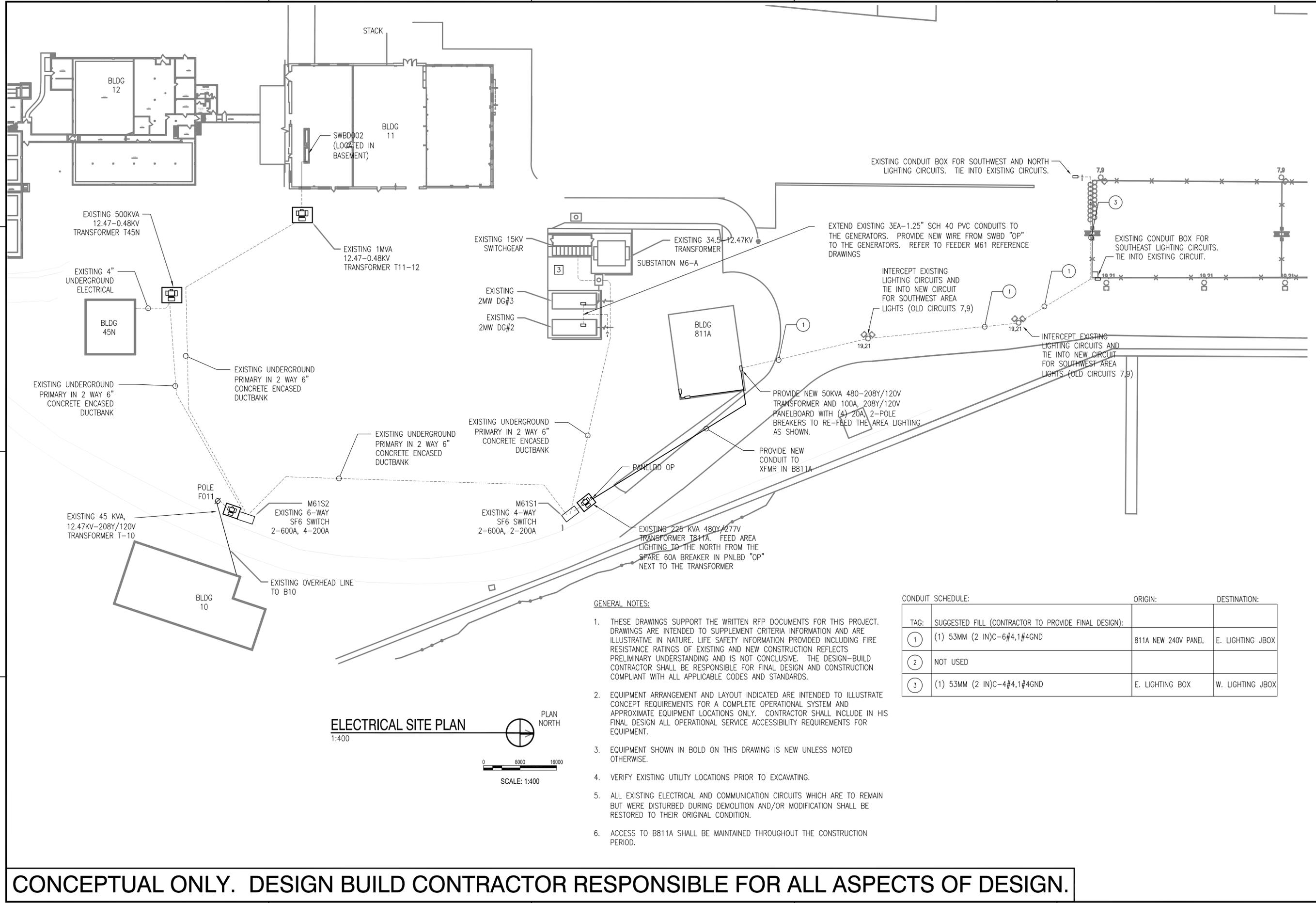
GENERAL NOTES:

- THIS IS A STANDARD ELECTRICAL SYMBOLOLOGY SHEET. NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTENT OF EACH SHEET FOR USAGE.

DATE	APPR	
DESCRIPTION	SYN	
		
PRELIMINARY NOT FOR CONSTRUCTION		
		
<small>8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</small>		
APPROVED	DATE	
FOR COMMANDER NAVFAC	ACTIVITY	
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<DD>>		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL		
P-816 STEAM DECENTRALIZATION B-11		
ELECTRICAL SYMBOLS		
SCALE:	NTS	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	34 OF 91	
E-001		
<small>DRAWFORM REVISION: 10 MARCH 2009</small>		

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

FILE NAME: P:\V\Graphics\W\CON\2012_1111895_P816_DB_De-centralization-Phase II-Demolition\A_Preliminary\816-P816-111895-001-09-E100.dwg LAYOUT NAME: E100 PLOTTED: Thursday, April 02, 2015 - 4:01pm USER: isa.groz



GENERAL NOTES:

1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
2. EQUIPMENT ARRANGEMENT AND LAYOUT INDICATED ARE INTENDED TO ILLUSTRATE CONCEPT REQUIREMENTS FOR A COMPLETE OPERATIONAL SYSTEM AND APPROXIMATE EQUIPMENT LOCATIONS ONLY. CONTRACTOR SHALL INCLUDE IN HIS FINAL DESIGN ALL OPERATIONAL SERVICE ACCESSIBILITY REQUIREMENTS FOR EQUIPMENT.
3. EQUIPMENT SHOWN IN BOLD ON THIS DRAWING IS NEW UNLESS NOTED OTHERWISE.
4. VERIFY EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATING.
5. ALL EXISTING ELECTRICAL AND COMMUNICATION CIRCUITS WHICH ARE TO REMAIN BUT WERE DISTURBED DURING DEMOLITION AND/OR MODIFICATION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
6. ACCESS TO B811A SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

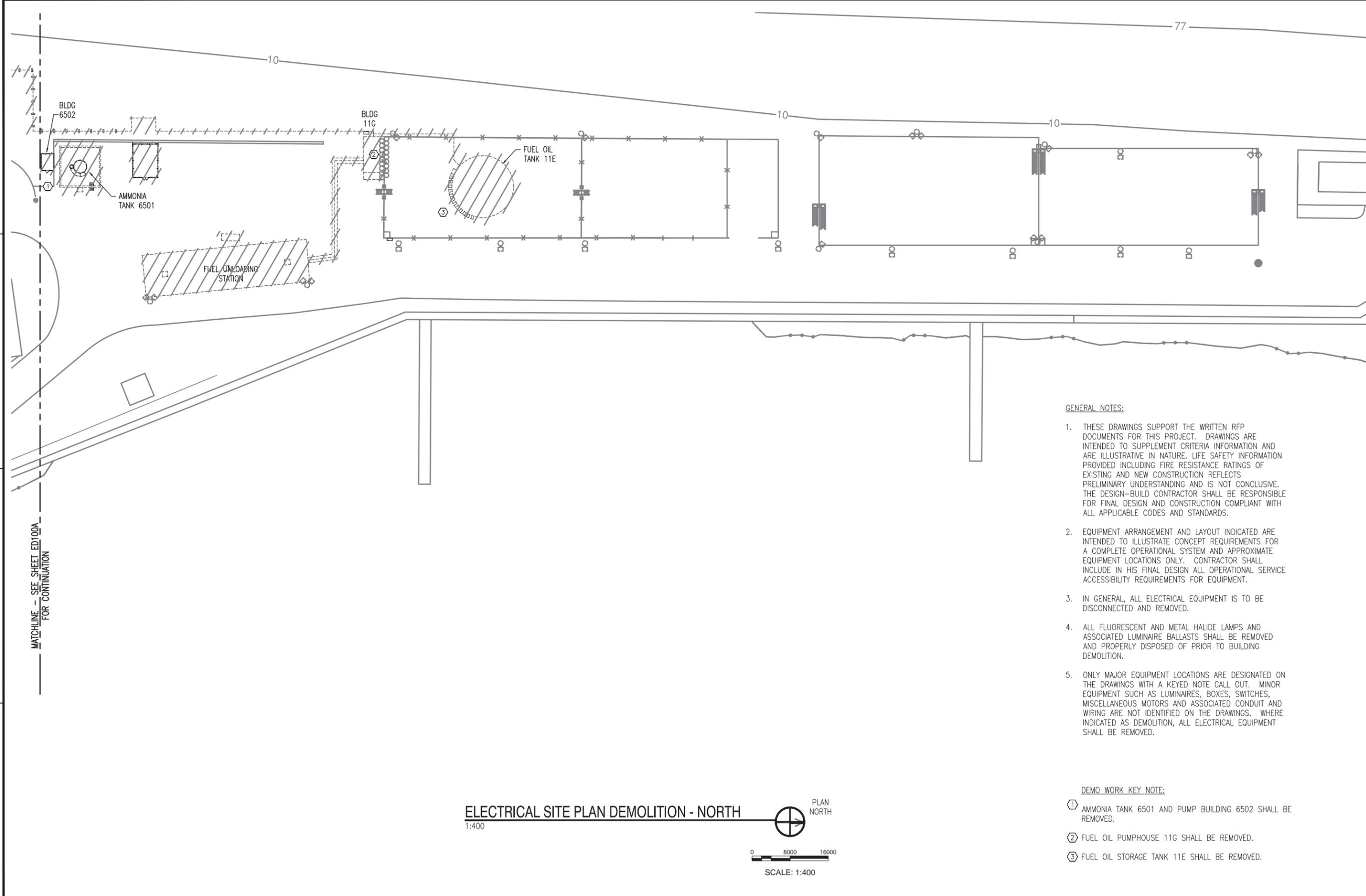
CONDUIT SCHEDULE:

TAG:	SUGGESTED FILL (CONTRACTOR TO PROVIDE FINAL DESIGN):	ORIGIN:	DESTINATION:
1	(1) 53MM (2 IN)C-6#4,1#4GND	811A NEW 240V PANEL	E. LIGHTING JBOX
2	NOT USED		
3	(1) 53MM (2 IN)C-4#4,1#4GND	E. LIGHTING BOX	W. LIGHTING JBOX

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APPR
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENGR/ARCH		
<<DD>>		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST
PUBLIC WORKS DEPARTMENT	NAVAL STATION GREAT LAKES	NS&E GREAT LAKES, IL
		GREAT LAKES, IL
		P-816 STEAM DECENTRALIZATION B-11
		ELECTRICAL SITE PLAN
SCALE:	AS NOTED	
EPROJECT NO.:	1111895	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	35	OF 91
	E-100	
	DRAWFORM REVISION: 10 MARCH 2009	

FILE NAME: P:\Credentiales\MILCON\2012_111685_P816_DB_Decentralization\Phase 1\Demolition\A_Preliminary\816-Steam De-centralization-Phase 1-ED100B.dwg LAYOUT NAME: ED100B PLOTTED: Monday, March 16, 2015 - 10:20am USER: jmcgarnett



MATCHLINE - SEE SHEET ED100A FOR CONTINUATION

ELECTRICAL SITE PLAN DEMOLITION - NORTH

1:400



SCALE: 1:400

GENERAL NOTES:

1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
2. EQUIPMENT ARRANGEMENT AND LAYOUT INDICATED ARE INTENDED TO ILLUSTRATE CONCEPT REQUIREMENTS FOR A COMPLETE OPERATIONAL SYSTEM AND APPROXIMATE EQUIPMENT LOCATIONS ONLY. CONTRACTOR SHALL INCLUDE IN HIS FINAL DESIGN ALL OPERATIONAL SERVICE ACCESSIBILITY REQUIREMENTS FOR EQUIPMENT.
3. IN GENERAL, ALL ELECTRICAL EQUIPMENT IS TO BE DISCONNECTED AND REMOVED.
4. ALL FLUORESCENT AND METAL HALIDE LAMPS AND ASSOCIATED LUMINAIRE BALLASTS SHALL BE REMOVED AND PROPERLY DISPOSED OF PRIOR TO BUILDING DEMOLITION.
5. ONLY MAJOR EQUIPMENT LOCATIONS ARE DESIGNATED ON THE DRAWINGS WITH A KEYED NOTE CALL OUT. MINOR EQUIPMENT SUCH AS LUMINAIRES, BOXES, SWITCHES, MISCELLANEOUS MOTORS AND ASSOCIATED CONDUIT AND WIRING ARE NOT IDENTIFIED ON THE DRAWINGS. WHERE INDICATED AS DEMOLITION, ALL ELECTRICAL EQUIPMENT SHALL BE REMOVED.

DEMO WORK KEY NOTE:

- ① AMMONIA TANK 6501 AND PUMP BUILDING 6502 SHALL BE REMOVED.
- ② FUEL OIL PUMPHOUSE 11G SHALL BE REMOVED.
- ③ FUEL OIL STORAGE TANK 11E SHALL BE REMOVED.

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

	DATE
	APPR
PRELIMINARY NOT FOR CONSTRUCTION	
8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	CHK
<<PM/DM>>	
BRANCH MANAGER	
CHIEF ENG/ARCH	
<<DD>>	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT	NAVAL FACILITIES ENGINEERING COMMAND MIDWEST NSCL GREAT LAKES, IL GREAT LAKES, IL NAVAL STATION GREAT LAKES
P-816 STEAM DECENTRALIZATION B-11	
ELECTRICAL SITE PLAN DEMOLITION - NORTH	
SCALE: AS NOTED	
EPROJCT NO.: 1111685	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET 37 OF 91	
ED100B	
DRAWFORM REVISION: 10 MARCH 2009	

FILE NAME: P:\A\GreatLakes\MILCON\2012_111695_P816_DB_Decentralization-Phase I-DEMOLITION\A_Preliminary\B16-111695-0011-09-ED102.dwg LAYOUT NAME: ED102 PLOTTED: Monday, March 16, 2015 - 10:26am USER: buca.garrett

GENERAL NOTES:

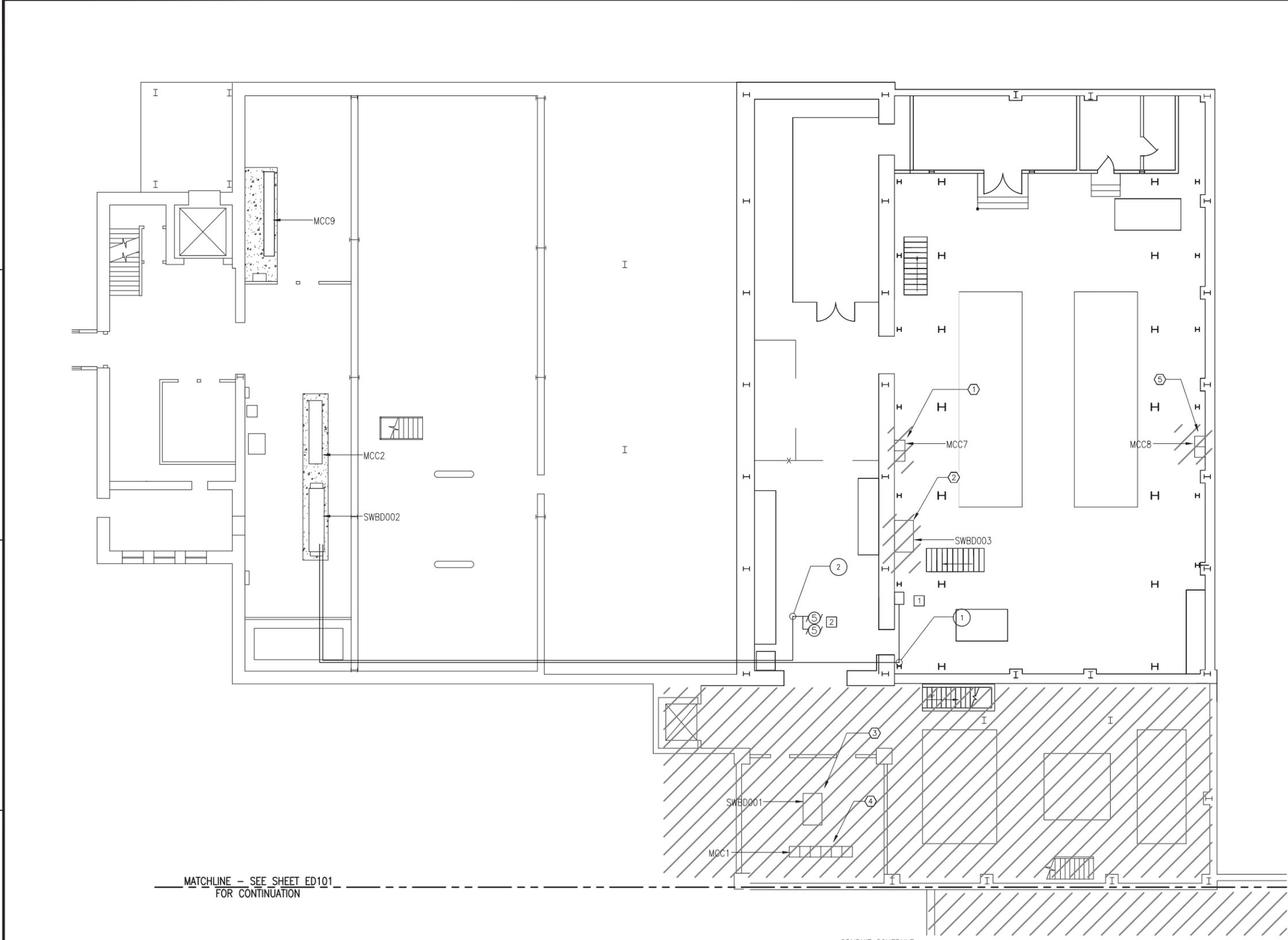
1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
2. EQUIPMENT ARRANGEMENT AND LAYOUT INDICATED ARE INTENDED TO ILLUSTRATE CONCEPT REQUIREMENTS FOR A COMPLETE OPERATIONAL SYSTEM AND APPROXIMATE EQUIPMENT LOCATIONS ONLY. CONTRACTOR SHALL INCLUDE IN HIS FINAL DESIGN ALL OPERATIONAL SERVICE ACCESSIBILITY REQUIREMENTS FOR EQUIPMENT.
3. IN GENERAL, ALL ELECTRICAL EQUIPMENT IS TO BE DISCONNECTED AND REMOVED. ALL EQUIPMENT SHALL BE PROPERTY OF THE OWNER FOR SALVAGE PURPOSES.
4. ALL FLUORESCENT AND METAL HALIDE LAMPS AND ASSOCIATED LUMINAIRE BALLASTS SHALL BE REMOVED AND PROPERLY DISPOSED OF PRIOR TO BUILDING DEMOLITION.
5. ONLY MAJOR EQUIPMENT LOCATIONS ARE DESIGNATED ON THE DRAWINGS WITH A KEYED NOTE CALL OUT. MINOR EQUIPMENT SUCH AS LUMINAIRES, BOXES, SWITCHES, MISCELLANEOUS MOTORS AND ASSOCIATED CONDUIT AND WIRING ARE NOT IDENTIFIED ON THE DRAWINGS. WHERE INDICATED AS DEMOLITION, ALL ELECTRICAL EQUIPMENT SHALL BE REMOVED.

DEMO WORK KEY NOTE:

- ① DISCONNECT AND REMOVE MCC-7.
- ② DISCONNECT AND REMOVE SWBD003.
- ③ DISCONNECT AND REMOVE SWBD001.
- ④ DISCONNECT AND REMOVE MCC-1.
- ⑤ DISCONNECT AND REMOVE MCC-8.

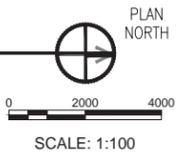
NEW WORK KEY NOTES:

- 1 TX-19 (45kVA). DISCONNECT AND REMOVE EXISTING FEEDER FROM SWBD003 AND PROVIDE NEW FEED FROM SWBD002 AS SHOWN. PROVIDE NEW BREAKER IN SWBD002. REFER TO ED-112 AND ED-113.
- 2 WEST PLANT SUMP PUMPS. DISCONNECT AND REMOVE EXISTING FEEDER FROM SWBD001 AND PROVIDE NEW FEED FROM SWBD002 AS SHOWN. PROVIDE NEW BREAKER IN SWBD002. REFER TO ED-111 AND ED-113.

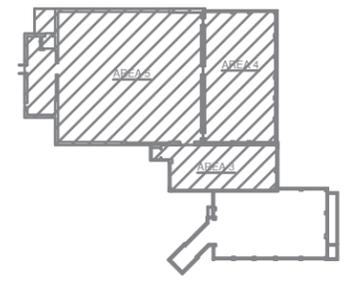


MATCHLINE - SEE SHEET ED101 FOR CONTINUATION

BLDG. B-11: AREA 3,4,5 BASEMENT PLAN
1:100



CONDUIT SCHEDULE:		ORIGIN:	DESTINATION:
TAG:	SUGGESTED FILL: (CONTRACTOR TO PROVIDE FINAL DESIGN)		
①	(1) 21MM (3/4 IN)C-3#8,1#8 GND	SWBD002	TX-19
②	(1) 21MM (3/4 IN)C-3#10,1#10 GND	SWBD002	SUMP PUMPS

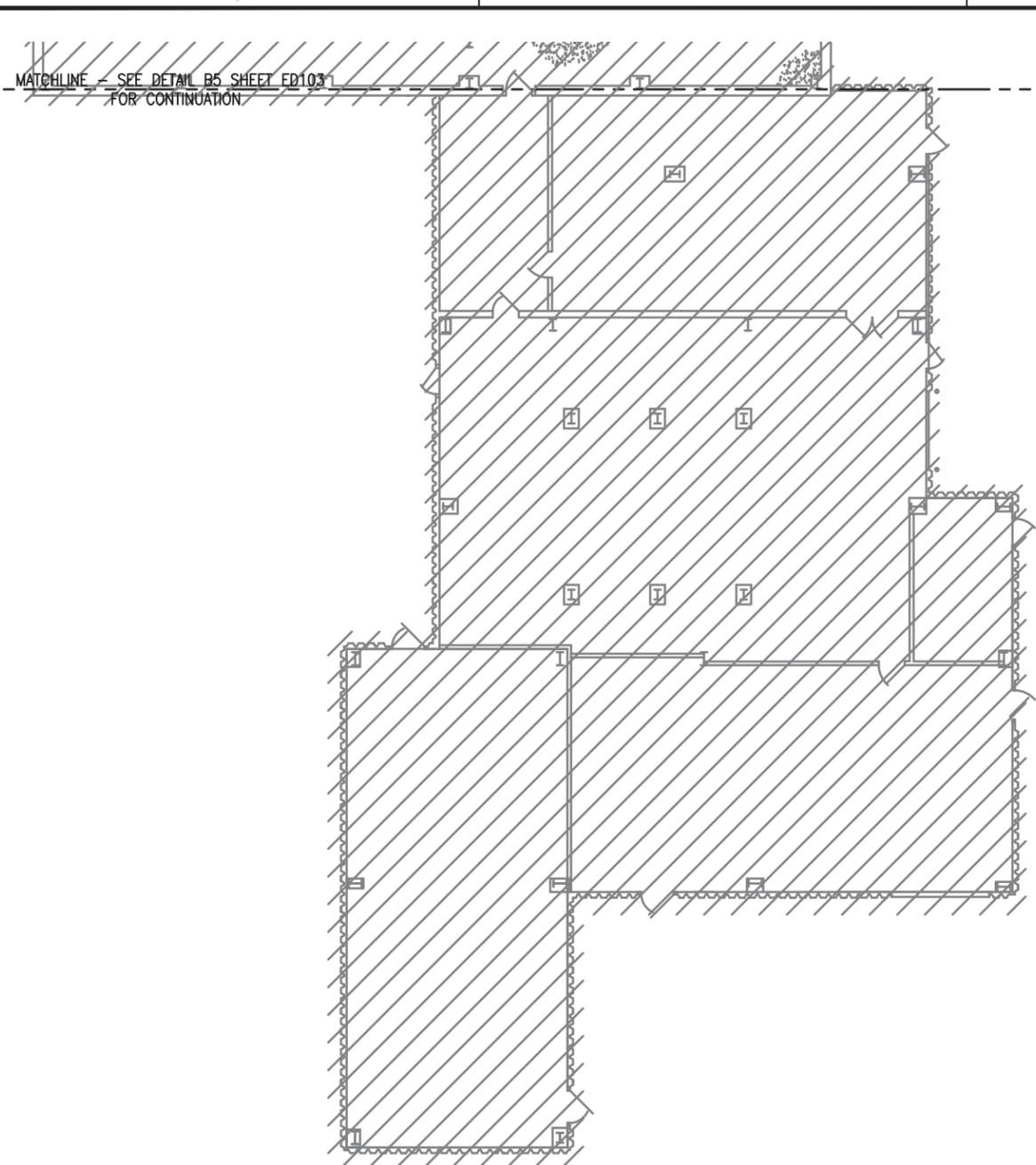


KEY PLAN
NTS

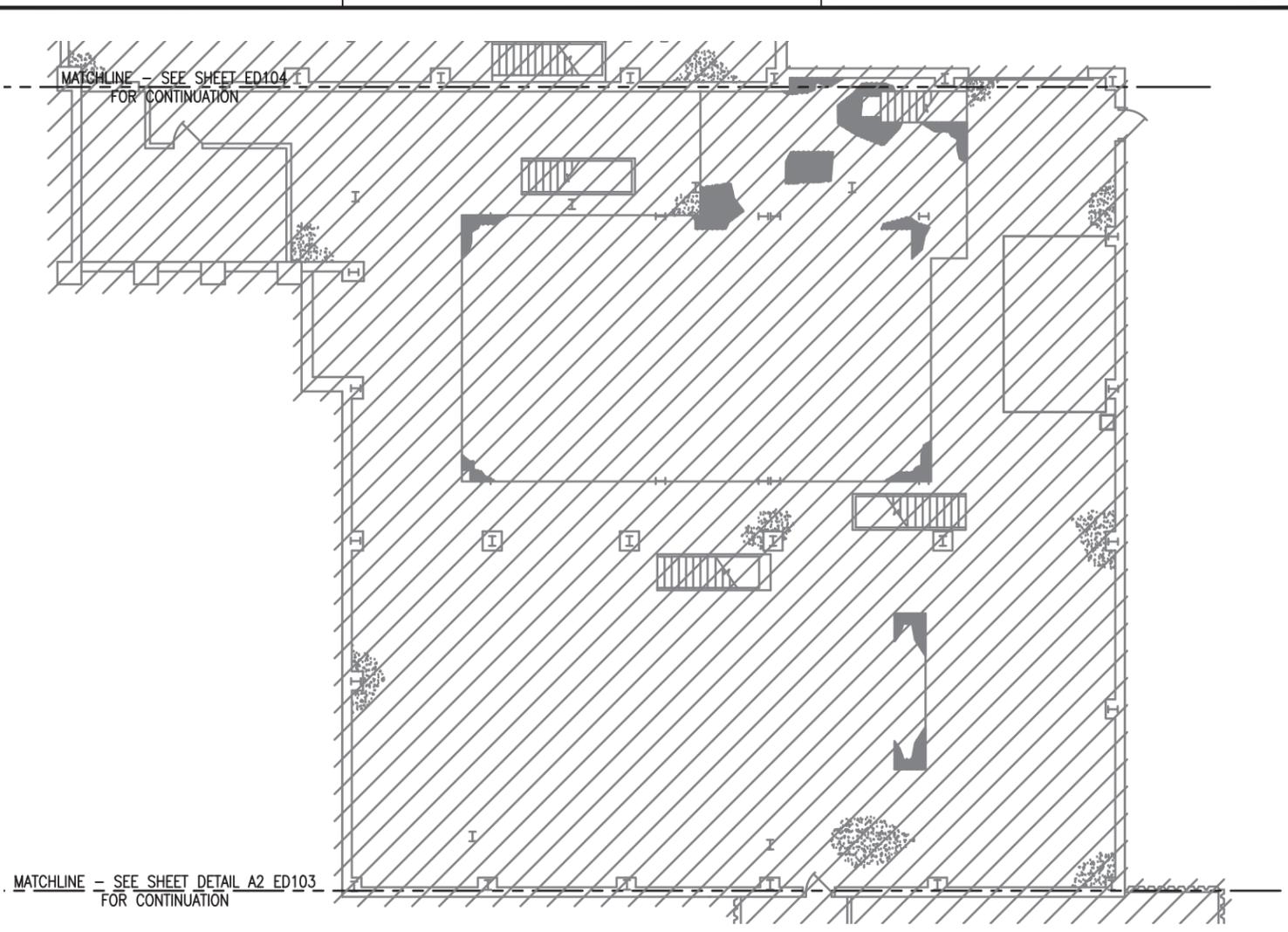
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	CHK
DES	DRW	CHK
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<DD>>		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL P-816 STEAM DECENTRALIZATION B-11 BLDG. B-11: AREA 3,4,5 BASEMENT PLAN - DEMOLITION		
SCALE:	AS NOTED	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	39	OF 91
ED102		
DRAWFORM REVISION: 10 MARCH 2009		

FILE NAME: P:\A\CreateArea\WILCON\2012_111695_P816_DB_De-centralization\Phase 1-Demolition\A_Prelim\B5-11-11695-0011-09-ED103.dwg LAYOUT NAME: ED103 PLOTTED: Monday, March 16, 2015 - 10:30am USER: bucca.garrett



BLDG. B-811: AREA 1 1ST FLR. PLAN - DEMOLITION

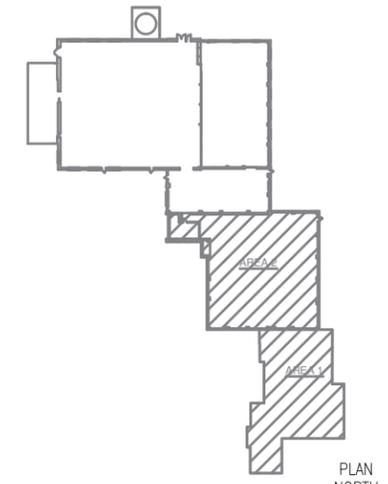


BLDG. B-11: AREA 2 1ST FLR. PLAN - DEMOLITION



GENERAL NOTES:

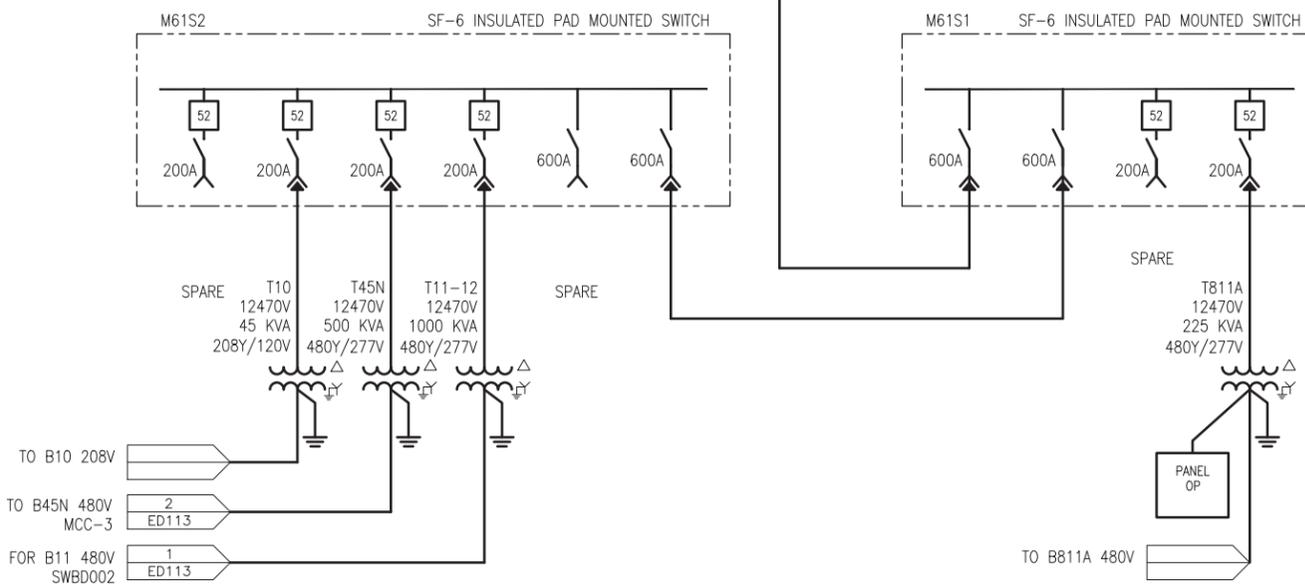
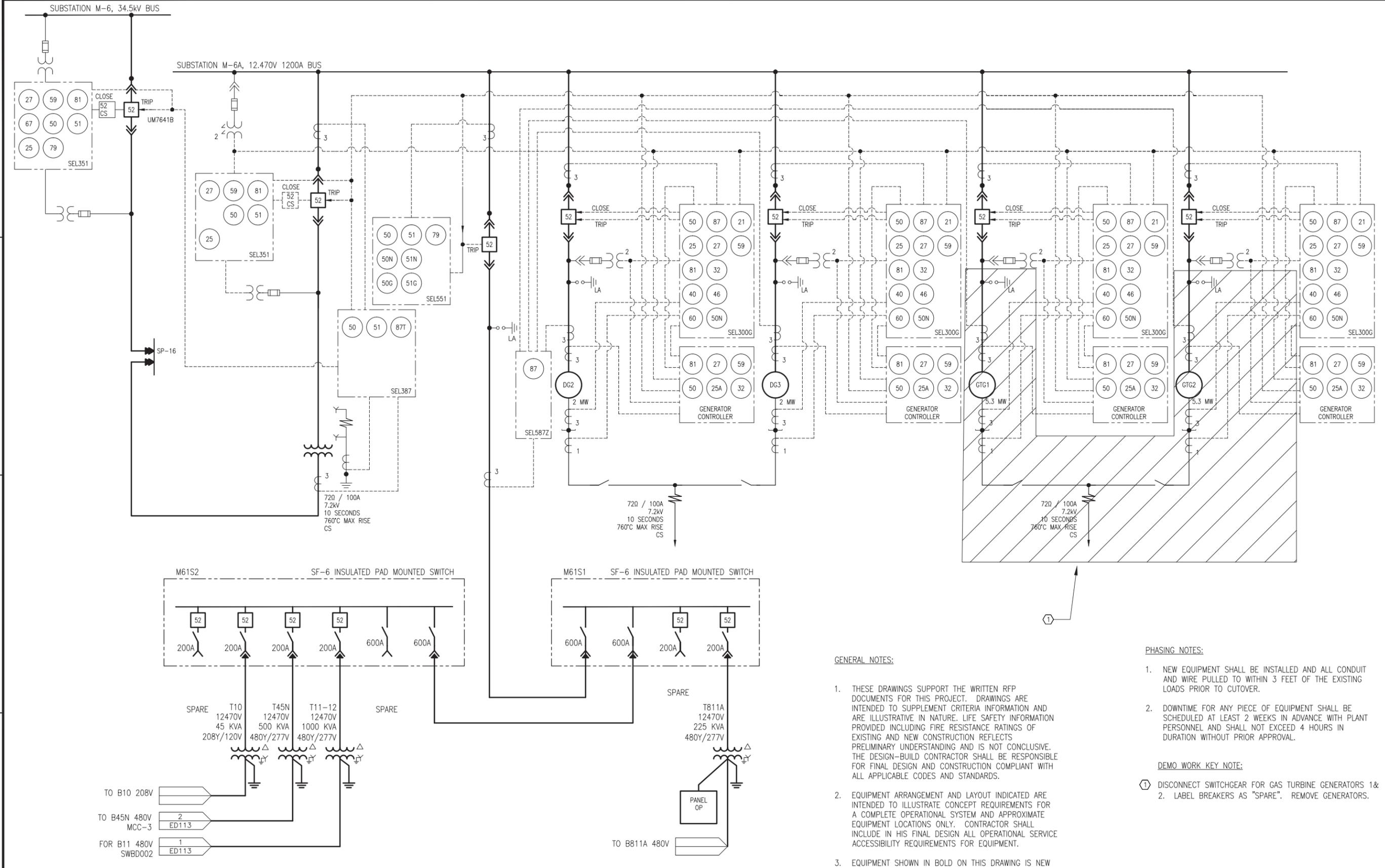
1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
2. EQUIPMENT ARRANGEMENT AND LAYOUT INDICATED ARE INTENDED TO ILLUSTRATE CONCEPT REQUIREMENTS FOR A COMPLETE OPERATIONAL SYSTEM AND APPROXIMATE EQUIPMENT LOCATIONS ONLY. CONTRACTOR SHALL INCLUDE IN HIS FINAL DESIGN ALL OPERATIONAL SERVICE ACCESSIBILITY REQUIREMENTS FOR EQUIPMENT.
3. IN GENERAL, ALL ELECTRICAL EQUIPMENT IS TO BE DISCONNECTED AND REMOVED.
4. ALL FLUORESCENT AND METAL HALIDE LAMPS AND ASSOCIATED LUMINAIRE BALLASTS SHALL BE REMOVED AND PROPERLY DISPOSED OF PRIOR TO BUILDING DEMOLITION.
5. ONLY MAJOR EQUIPMENT LOCATIONS ARE DESIGNATED ON THE DRAWINGS WITH A KEYED NOTE CALL OUT. MINOR EQUIPMENT SUCH AS LUMINAIRES, BOXES, SWITCHES, MISCELLANEOUS MOTORS AND ASSOCIATED CONDUIT AND WIRING ARE NOT IDENTIFIED ON THE DRAWINGS. WHERE INDICATED AS DEMOLITION, ALL ELECTRICAL EQUIPMENT SHALL BE REMOVED.



CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

DATE	APPR
DESCRIPTION	DATE
	
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	
	
<p>850 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>	
APPROVED	DATE
FOR COMMANDER NAFAC	DATE
ACTIVITY	DATE
SATISFACTORY TO	DATE
DES	CHK
<<PM/DM>>	
BRANCH MANAGER	
CHIEF ENG/ARCH	
<<ODD>>	
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p>	
<p>P-816 STEAM DECENTRALIZATION B-11</p>	
<p>B-11 & B-811: AREA 1 & 2 1ST FLR. PLAN - DEMOLITION</p>	
SCALE:	AS NOTED
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	40 OF 91
<p>ED103</p>	
<p>DRAWFORM REVISION: 10 MARCH 2009</p>	

FILE NAME: P:\Credentia\WDCON\2012_111695_P816_DB_Decentralization\Phase 1\Drawings\Substation\Substation\ED110 - ED110.dwg LAYOUT NAME: ED110 PLOTTED: Monday, March 16, 2015 - 10:45am USER: buccagarratt



GENERAL NOTES:

1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
2. EQUIPMENT ARRANGEMENT AND LAYOUT INDICATED ARE INTENDED TO ILLUSTRATE CONCEPT REQUIREMENTS FOR A COMPLETE OPERATIONAL SYSTEM AND APPROXIMATE EQUIPMENT LOCATIONS ONLY. CONTRACTOR SHALL INCLUDE IN HIS FINAL DESIGN ALL OPERATIONAL SERVICE ACCESSIBILITY REQUIREMENTS FOR EQUIPMENT.
3. EQUIPMENT SHOWN IN BOLD ON THIS DRAWING IS NEW UNLESS NOTED OTHERWISE.
4. HATCHING DENOTES EQUIPMENT TO BE REMOVED.

PHASING NOTES:

1. NEW EQUIPMENT SHALL BE INSTALLED AND ALL CONDUIT AND WIRE PULLED TO WITHIN 3 FEET OF THE EXISTING LOADS PRIOR TO CUTOVER.
 2. DOWNTIME FOR ANY PIECE OF EQUIPMENT SHALL BE SCHEDULED AT LEAST 2 WEEKS IN ADVANCE WITH PLANT PERSONNEL AND SHALL NOT EXCEED 4 HOURS IN DURATION WITHOUT PRIOR APPROVAL.
- DEMO WORK KEY NOTE:**
1. DISCONNECT SWITCHGEAR FOR GAS TURBINE GENERATORS 1& 2. LABEL BREAKERS AS "SPARE". REMOVE GENERATORS.

ONE LINE DIAGRAM - SUB M6A

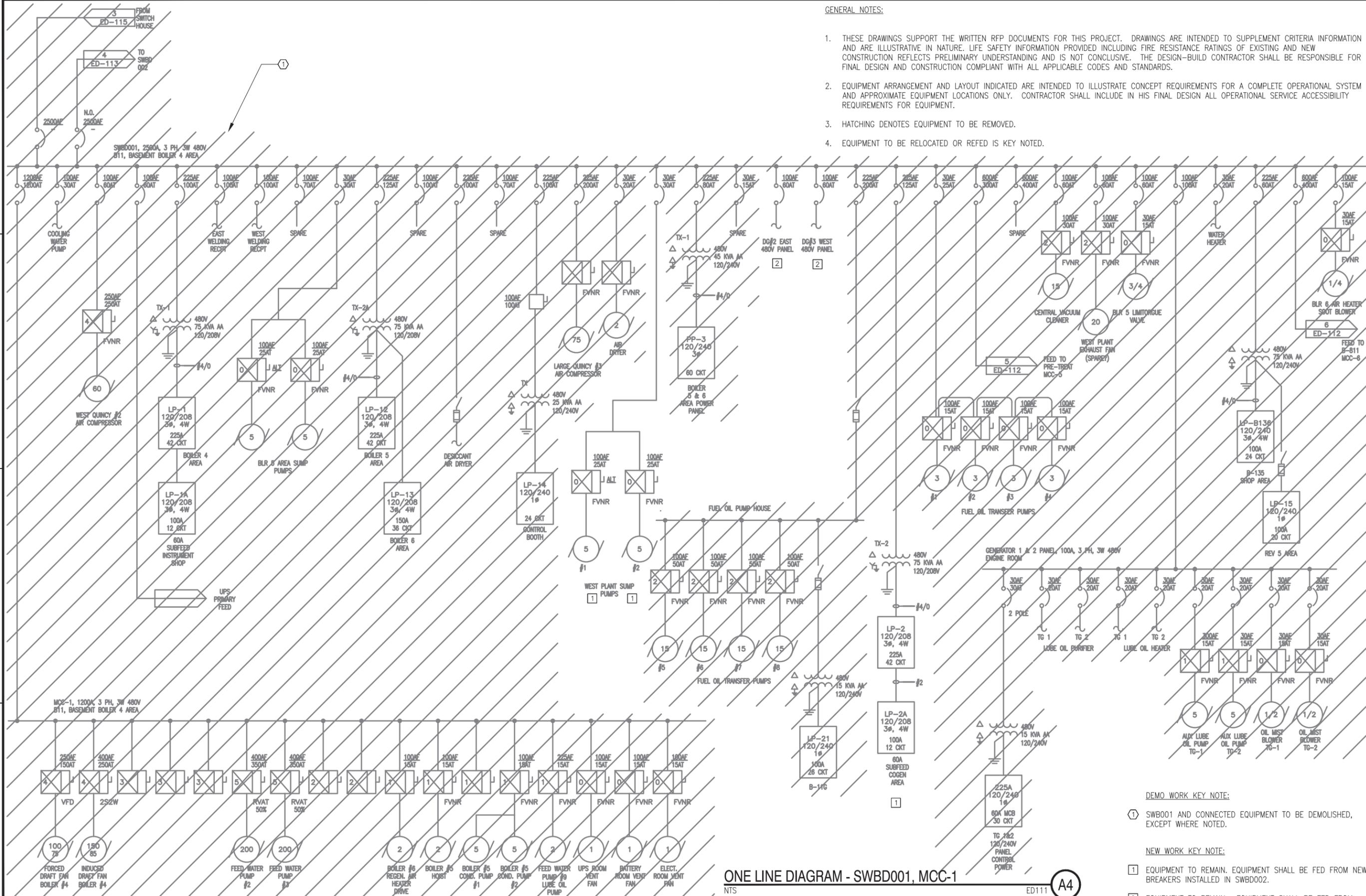
NONE

ED110 **A3**

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APP'R
FOR COMMANDER NNAFC		
ACTIVITY		
SATISFACTORY TO	DATE	CHK
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<DD>>		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	NAVAL STATION GREAT LAKES
PUBLIC WORKS DEPARTMENT	MIDWEST	GREAT LAKES, IL
	NSCL GREAT LAKES, IL	
	P-816 STEAM DECENTRALIZATION B-11	
	ONE LINE DIAGRAM: SUB M6-A	
SCALE:	NTS	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFC DRAWING NO.		
SHEET	42	OF 91
ED110		
DRAWFORM REVISION:	10 MARCH 2009	

FILE NAME: P:\Credentia\WCDN\2012_111685_P816_DB_Decentralization\Phase 1-Demolition\A_Preliminary\SWBD001_P816-111685-001-09-ED111.dwg LAYOUT NAME: ED111 PLOTTED: Monday, March 16, 2015 - 10:47am USER: bucca.parratt



- GENERAL NOTES:
1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
 2. EQUIPMENT ARRANGEMENT AND LAYOUT INDICATED ARE INTENDED TO ILLUSTRATE CONCEPT REQUIREMENTS FOR A COMPLETE OPERATIONAL SYSTEM AND APPROXIMATE EQUIPMENT LOCATIONS ONLY. CONTRACTOR SHALL INCLUDE IN HIS FINAL DESIGN ALL OPERATIONAL SERVICE ACCESSIBILITY REQUIREMENTS FOR EQUIPMENT.
 3. HATCHING DENOTES EQUIPMENT TO BE REMOVED.
 4. EQUIPMENT TO BE RELOCATED OR REFEED IS KEY NOTED.

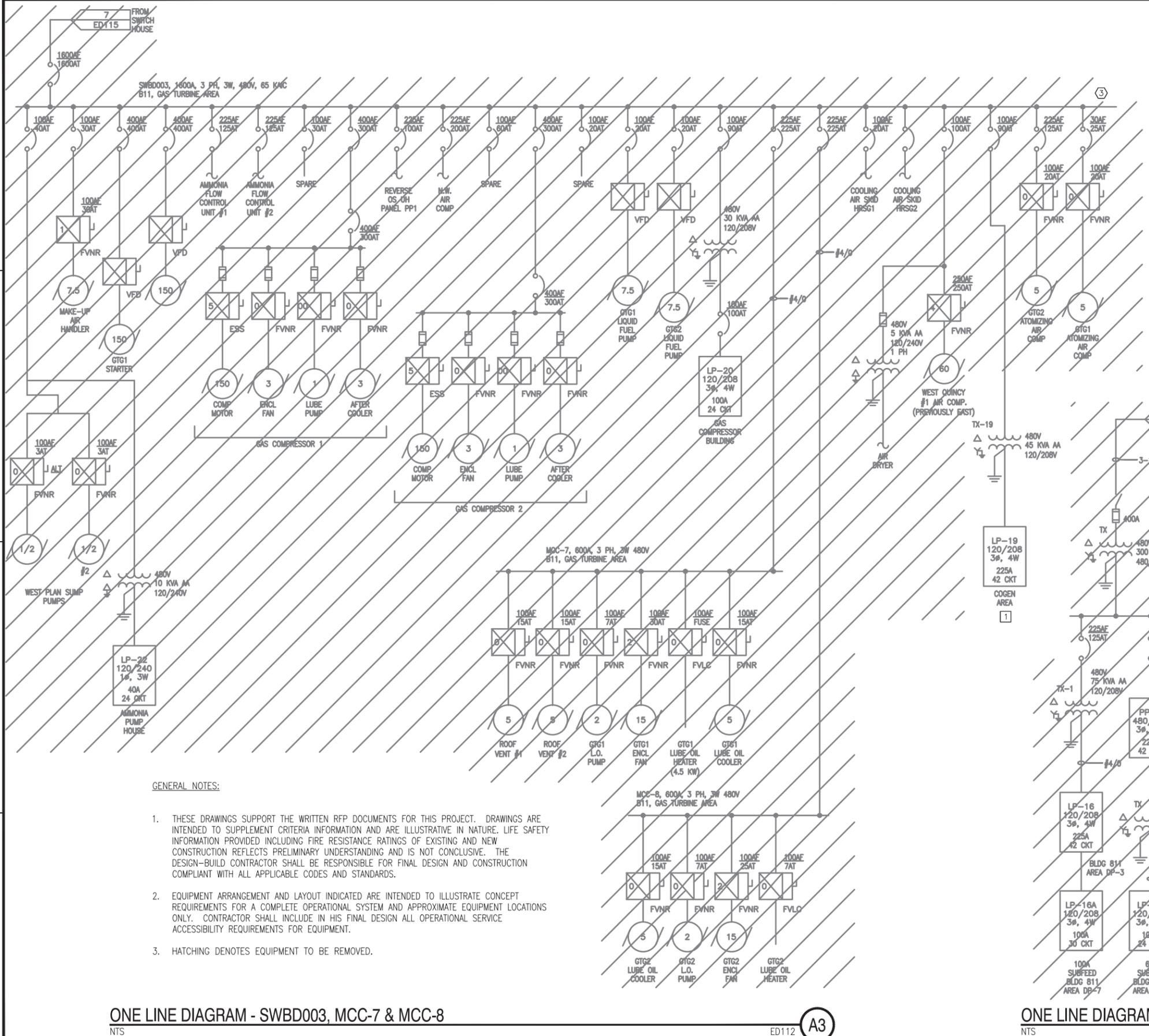
- DEMO WORK KEY NOTE:
- ① SWB001 AND CONNECTED EQUIPMENT TO BE DEMOLISHED, EXCEPT WHERE NOTED.
- NEW WORK KEY NOTE:
- ① EQUIPMENT TO REMAIN. EQUIPMENT SHALL BE FED FROM NEW BREAKERS INSTALLED IN SWBD002.
 - ② EQUIPMENT TO REMAIN. EQUIPMENT SHALL BE FED FROM PANELBOARD OP NEAR TRANSFORMER T811A.

ONE LINE DIAGRAM - SWBD001, MCC-1
NTS

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPR	DATE	
SYN	DESCRIPTION	
		
PRELIMINARY NOT FOR CONSTRUCTION		
		
<small>HDR Architecture, Inc. 850 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</small>		
APPROVED	DATE	
FOR COMMANDER NAFAC	DATE	
ACTIVITY	DATE	
SATISFACTORY TO	DATE	
DES	DRAW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<DD>>		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	NAVAL STATION GREAT LAKES, IL
NAVAL FACILITIES ENGINEERING COMMAND	MIDWEST	ONE LINE DIAGRAM: SWBD001, MCC-1
PUBLIC WORKS DEPARTMENT	NSCL GREAT LAKES, IL	
	GREAT LAKES, IL	
	P-816 STEAM DECENTRALIZATION B-11	
SCALE:	NTS	
PROJECT NO.:	111685	
CONSTR. CONTR. NO.:		
NAVFAC DRAWING NO.:		
SHEET	43	OF 91
ED111		
<small>DRAWFORM REVISION: 10 MARCH 2009</small>		

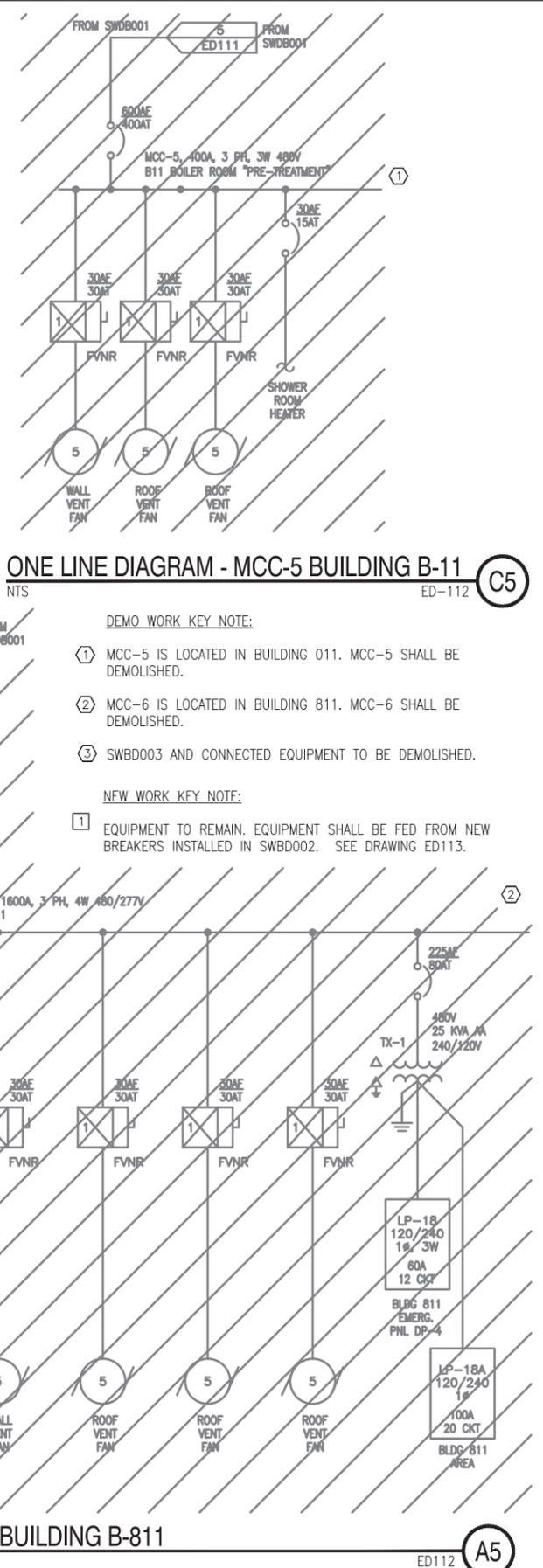
FILE NAME: P:\Credentia\WDCM\2012_111685_P816_DB_Decentralization\816 Steam Decentralization-Phase 1-Demolition\A_Prelim\816 Steam Decentralization-Phase 1-816 Steam Decentralization-Phase 1-ED112.dwg LAYOUT NAME: ED112 PLOTTED: Monday, March 16, 2015 - 10:53am USER: bucca.parrish



ONE LINE DIAGRAM - SWBD003, MCC-7 & MCC-8

NTS

A3



ONE LINE DIAGRAM - MCC-6 BUILDING B-811

NTS

A5

GENERAL NOTES:

1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
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3. HATCHING DENOTES EQUIPMENT TO BE REMOVED.

ONE LINE DIAGRAM - MCC-5 BUILDING B-11

NTS

ED-112

DEMO WORK KEY NOTE:

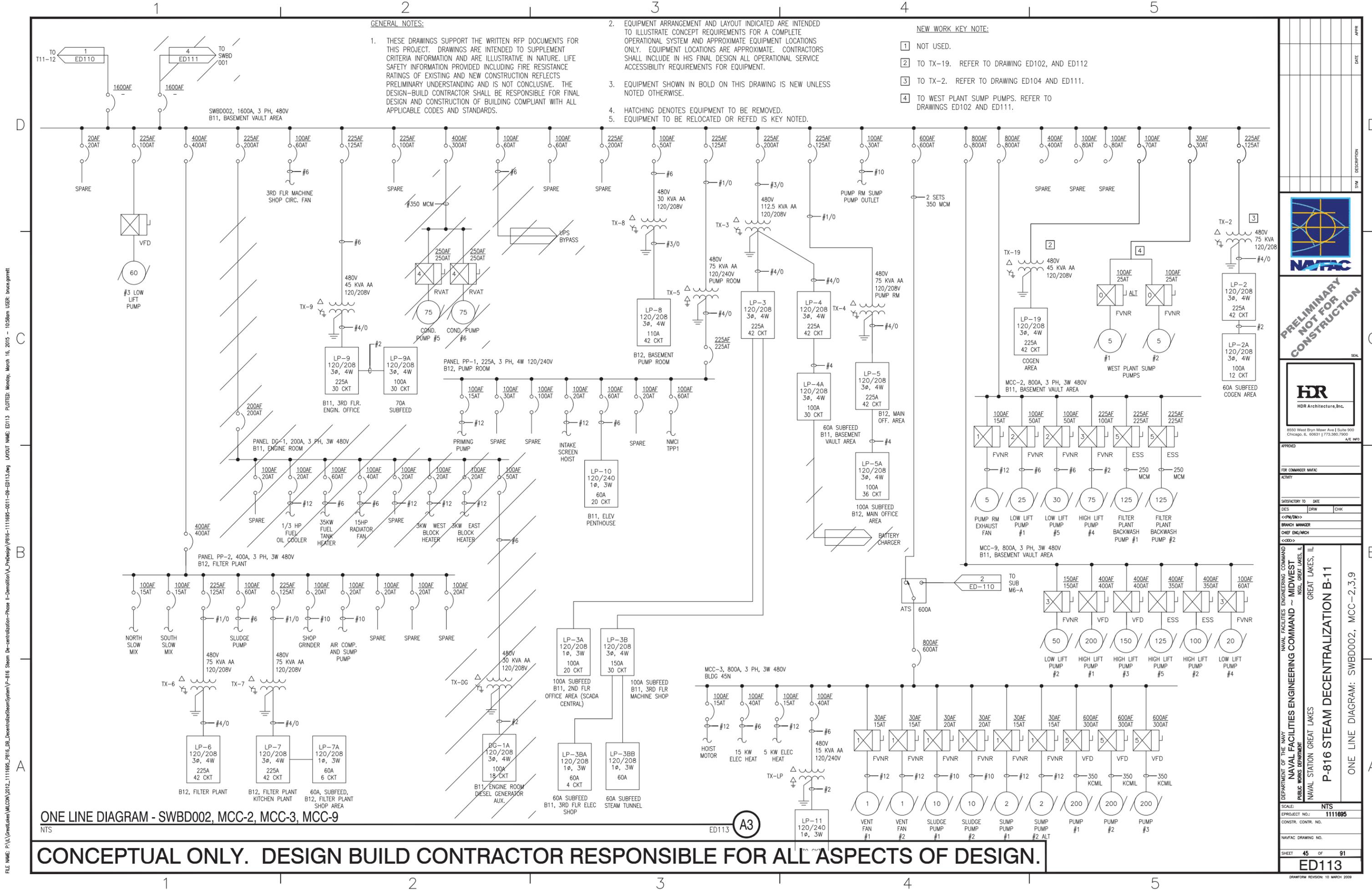
- 1 MCC-5 IS LOCATED IN BUILDING 011. MCC-5 SHALL BE DEMOLISHED.
- 2 MCC-6 IS LOCATED IN BUILDING 811. MCC-6 SHALL BE DEMOLISHED.
- 3 SWBD003 AND CONNECTED EQUIPMENT TO BE DEMOLISHED.

NEW WORK KEY NOTE:

- 1 EQUIPMENT TO REMAIN. EQUIPMENT SHALL BE FED FROM NEW BREAKERS INSTALLED IN SWBD002. SEE DRAWING ED113.

DATE	APPR
DESCRIPTION	SWR
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	
<p>HDR Architecture, Inc. 8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>	
APPROVED	DATE
FOR COMMANDER NAFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES	DRAW
BRANCH MANAGER	CHK
CHIEF ENG/ARCH	
COMMAND	
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p>	
<p>P-816 STEAM DECENTRALIZATION B-11</p>	
<p>ONE LINE DIAGRAM: SWBD003, MCC-5,6,7,8</p>	
SCALE:	NTS
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	44 OF 91
<p>ED112</p>	
<p>DRAWFORM REVISION: 10 MARCH 2009</p>	

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.



GENERAL NOTES:

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2. EQUIPMENT ARRANGEMENT AND LAYOUT INDICATED ARE INTENDED TO ILLUSTRATE CONCEPT REQUIREMENTS FOR A COMPLETE OPERATIONAL SYSTEM AND APPROXIMATE EQUIPMENT LOCATIONS ONLY. EQUIPMENT LOCATIONS ARE APPROXIMATE. CONTRACTORS SHALL INCLUDE IN HIS FINAL DESIGN ALL OPERATIONAL SERVICE ACCESSIBILITY REQUIREMENTS FOR EQUIPMENT.
3. EQUIPMENT SHOWN IN BOLD ON THIS DRAWING IS NEW UNLESS NOTED OTHERWISE.
4. HATCHING DENOTES EQUIPMENT TO BE REMOVED.
5. EQUIPMENT TO BE RELOCATED OR REFEED IS KEY NOTED.

NEW WORK KEY NOTE:

- 1 NOT USED.
- 2 TO TX-19. REFER TO DRAWING ED102, AND ED112
- 3 TO TX-2. REFER TO DRAWING ED104 AND ED111.
- 4 TO WEST PLANT SUMP PUMPS. REFER TO DRAWINGS ED102 AND ED111.

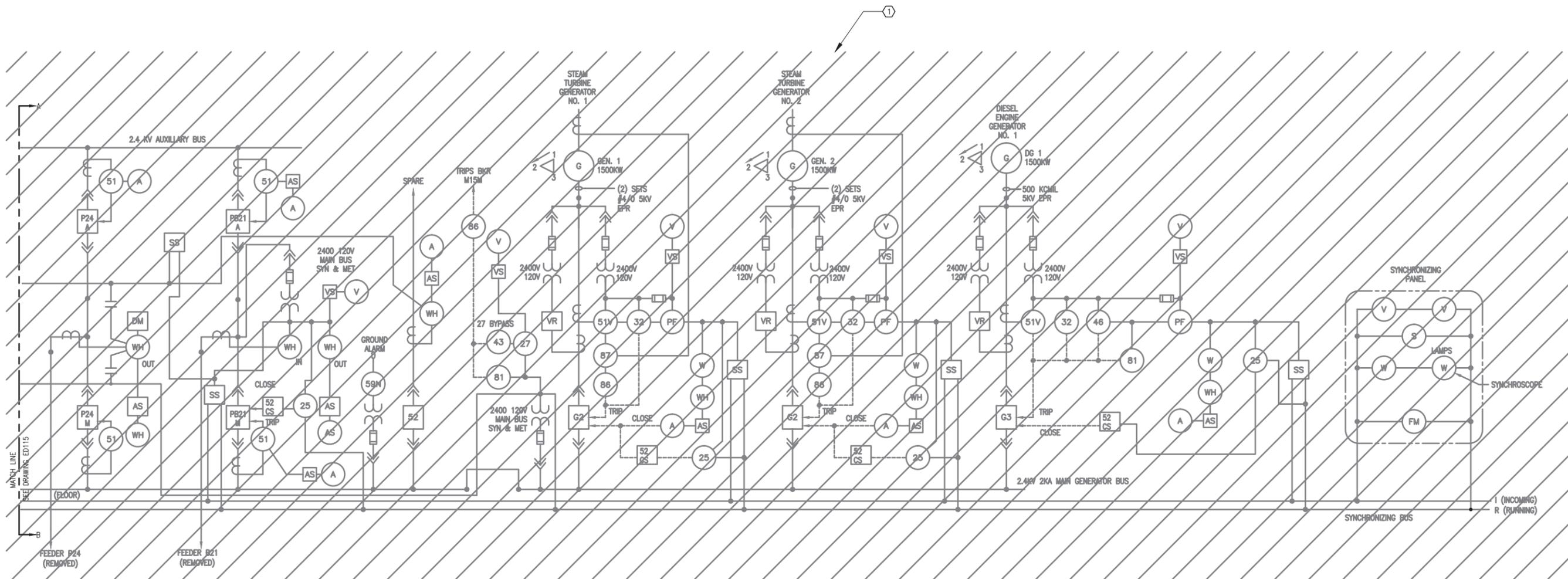
ONE LINE DIAGRAM - SWBD002, MCC-2, MCC-3, MCC-9

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

DATE	APPR
DESCRIPTION	DATE
PRELIMINARY NOT FOR CONSTRUCTION	
<small>HDR Architecture, Inc. 850 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</small>	
APPROVED	DATE
FOR COMMANDER NAFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES	DRAW
CHK	
<<PM/DM>>	
BRANCH MANAGER	
CHIEF ENG/ARCH	
<<DD>>	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11	
ONE LINE DIAGRAM: SWBD002, MCC-2,3,9	
SCALE:	NTS
EPROJCT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	45 OF 91
ED113	
<small>DRAWING REVISION: 10 MARCH 2009</small>	

FILE NAME: P:\Cretakes\MILCOM\2012_1111695_P816_DB_Decimalization\PreDesign\816-DB-ED113.dwg
 De-centralization-Phase 1-PreDesign\816-DB-ED113.dwg
 LAYOUT NAME: ED113 PLOTTED: Monday, March 16, 2015 - 10:58am USER: buca.parratt

FILE NAME: P:\GREATLAKES\MILCOM\2012_111695_P816_DB_De-centralizeSteamSystem\P-816 Steam De-centralization-Phase 1-DEMOLITION\A_Preliminary\ED114.dwg LAYOUT NAME: ED114 PLOTTED: Monday, March 16, 2015 - 11:00am USER: bucca.garrett



ONE LINE DIAGRAM - 2.4KV SWITCHGEAR
NTS

ED114 **A3**

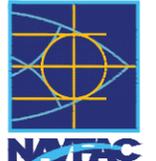
GENERAL NOTES:

1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
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3. HATCHING DENOTES EQUIPMENT TO BE REMOVED.

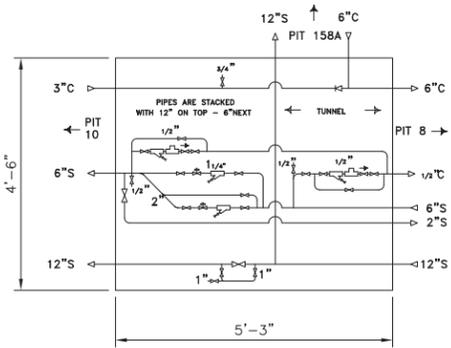
DEMO WORK KEY NOTE:

- ① 2.4KV SWITCHGEAR AND CONNECTED EQUIPMENT TO BE DEMOLISHED.

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

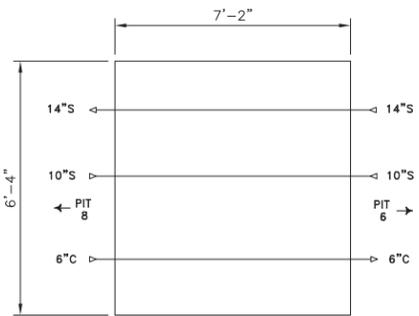
DATE	APPR
DESCRIPTION	SYN
 PRELIMINARY NOT FOR CONSTRUCTION	
 HDR Architecture, Inc. <small>8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</small>	
APPROVED	FOR COMMANDER NAVFAC
ACTIVITY	
SATISFACTORY TO DATE	DATE
DES	CHK
<<PM/DM>>	
BRANCH MANAGER	
CHIEF ENG/ARCH	
<<DD>>	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11 ONE LINE DIAGRAM: 2.4KV SWITCHGEAR - SHEET 1	
SCALE:	NTS
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	46 OF 91
ED114	
<small>DRAWING REVISION: 10 MARCH 2009</small>	

FILE NAME: P:\GREATLAKES\MILCON\2012_111695_P816_DB_DecentralizeSteamSystem\P-816 Steam De-centralization-Phase I-Demolition\A_Preliminary\816-111695-0011-08-MD202.dwg LAYOUT NAME: Pit PLOTTED: Wednesday, March 25, 2015 - 9:38am USER: isa.gmz



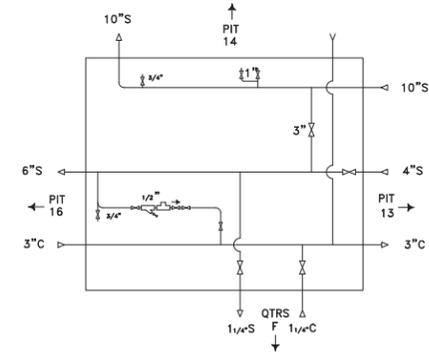
PIT #9 (ASSOCIATED WITH TUNNEL) (PIT TO REMAIN)
NTS

C2



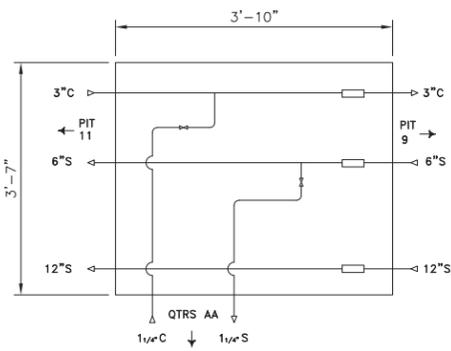
PIT #12 (ASSOCIATED WITH TUNNEL)
NTS

C4



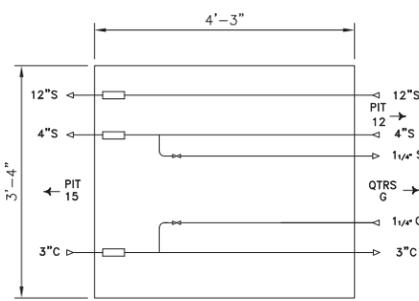
PIT #15
NTS

C5



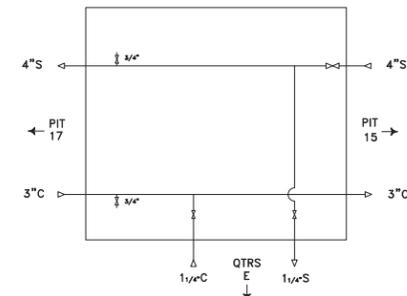
PIT #10 (ASSOCIATED WITH TUNNEL)
NTS

B2



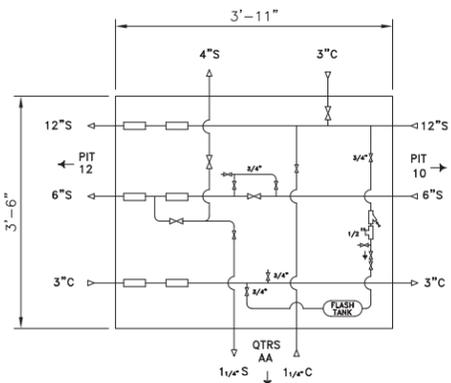
PIT #13 (ASSOCIATED WITH TUNNEL)
NTS

B4



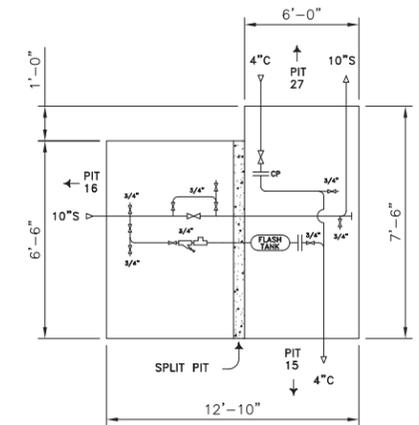
PIT #16
NTS

B5



PIT #11 (ASSOCIATED WITH TUNNEL)
NTS

A2



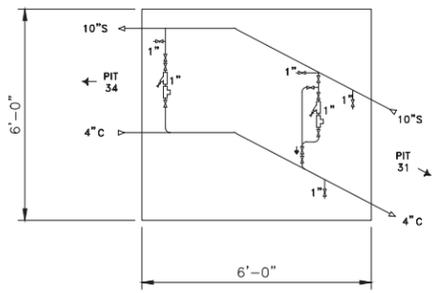
PIT #14
NTS

A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

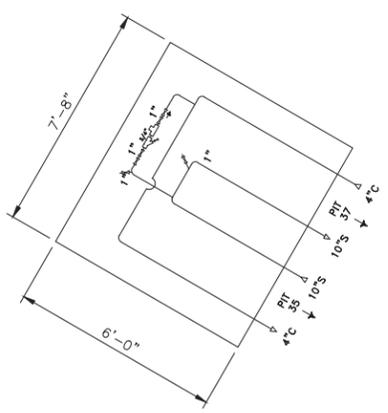
DATE	APPR
DESCRIPTION	SYN
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	
<p>8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES	DRW
CHK	CHK
<p>BRANCH MANAGER</p>	
<p>CHIEF ENG/ARCH</p>	
<p>COMMAND</p>	
<p>NAVAL FACILITIES ENGINEERING COMMAND</p>	
<p>NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST</p>	
<p>PUBLIC WORKS DEPARTMENT</p>	
<p>NAVAL STATION GREAT LAKES</p>	
<p>GREAT LAKES, IL</p>	
<p>P-816 STEAM DECENTRALIZATION B-11</p>	
<p>STEAM PIT DEMOLITION</p>	
SCALE:	AS NOTED
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	50 OF 91
<p>MD-202</p>	
<p>DRAWING REVISION: 10 MARCH 2009</p>	

FILE NAME: C:\pwworking\cma\0667328\0111_OR_MD205.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 12:56pm USER: hemanh



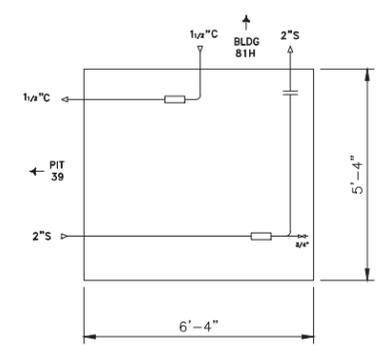
PIT #33
NTS

C2



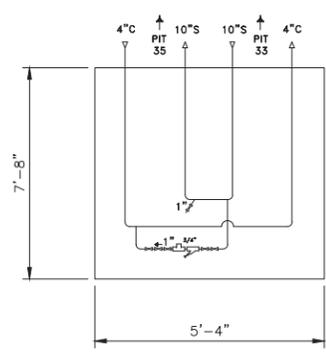
PIT #36
NTS

C4



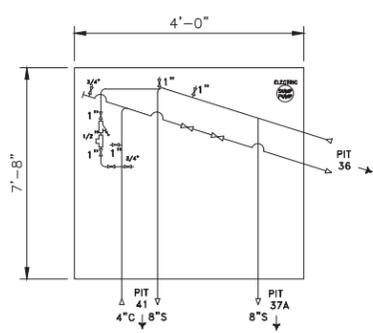
PIT #38
NTS

C5



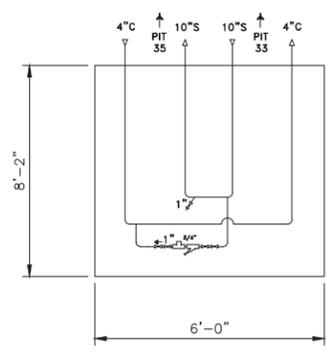
PIT #34
NTS

B2



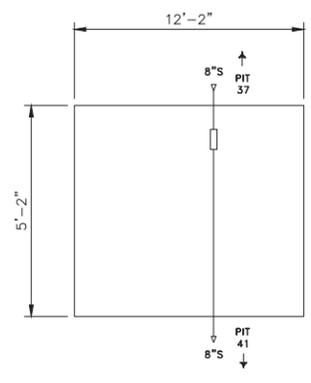
PIT #37
NTS

B4



PIT #35
NTS

A2



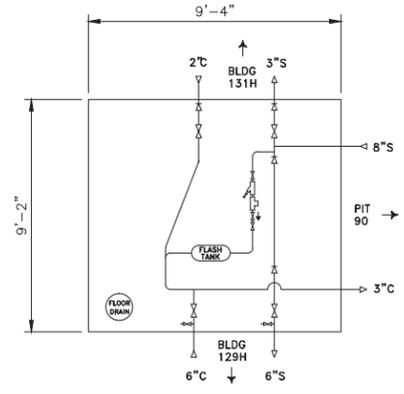
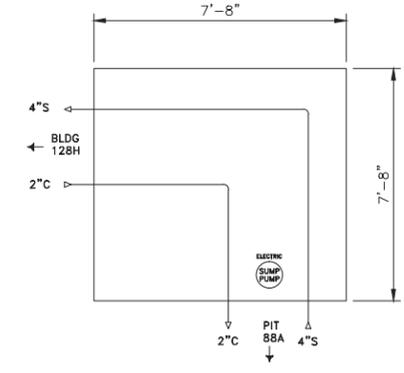
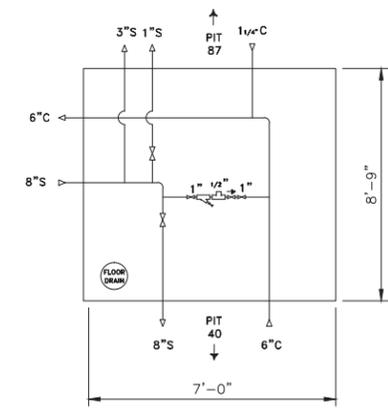
PIT #37A
NTS

A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APPR
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL	P-816 STEAM DECENTRALIZATION B-11	
STEAM PIT DEMOLITION		
SCALE: AS NOTED	PROJECT NO.: 1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET 53 OF 91		
MD-205		
DRAWFORM REVISION: 10 MARCH 2009		

FILE NAME: C:\pwworking\cmca\d0667326\0111_L08_MD209.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 09, 2011 - 12:57pm USER: hlemke



PIT #87
NTS

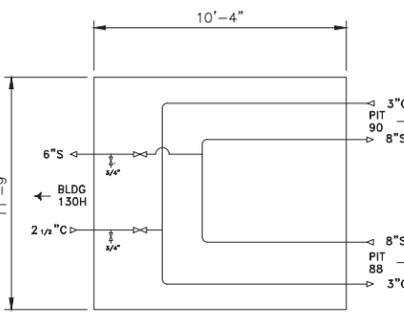
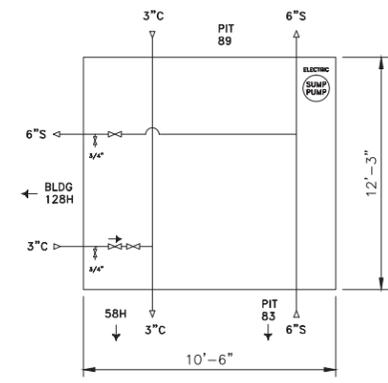
C2

PIT #88B
NTS

C4

PIT #91
NTS

C5

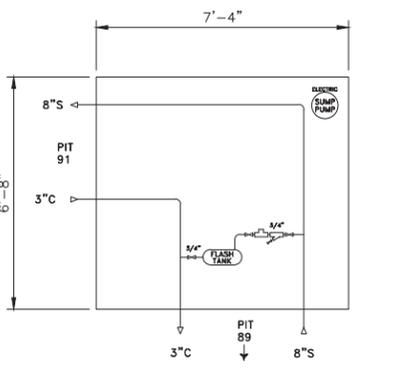
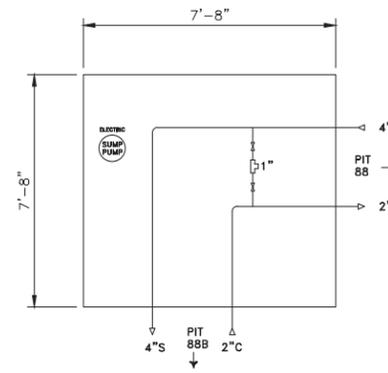


PIT #88
NTS

B2

PIT #89
NTS

B4



PIT #88A
NTS

A2

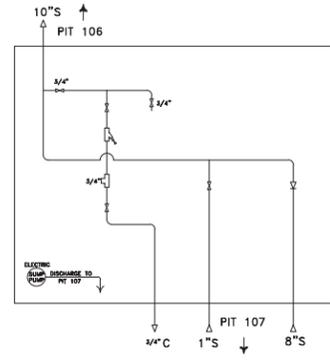
PIT #90
NTS

A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

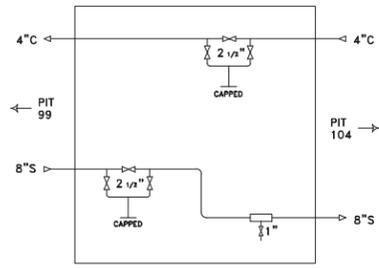
APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL FACILITIES ENGINEERING COMMAND	MIDWEST	
PUBLIC WORKS DEPARTMENT	NSCL GREAT LAKES, IL	
NAVAL STATION GREAT LAKES	GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11		
STEAM PIT DEMOLITION		
SCALE:	AS NOTED	
EPROJCT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	57	OF 91
MD-209		
DRAWFORM REVISION: 10 MARCH 2009		

FILE NAME: C:\pwworking\cma\0687328\0111_08_MD210.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 12:57pm USER: heman



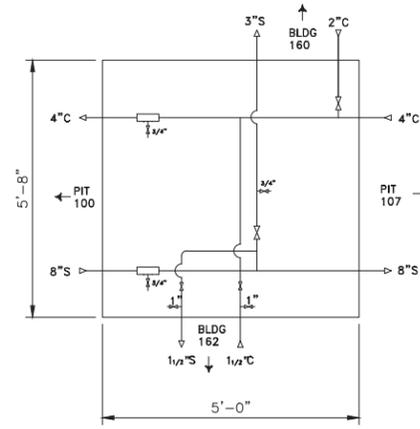
PIT #93
NTS

C2



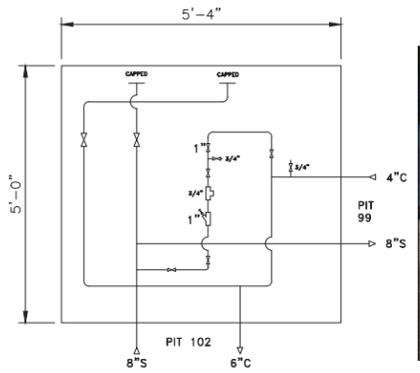
PIT #100
NTS

C4



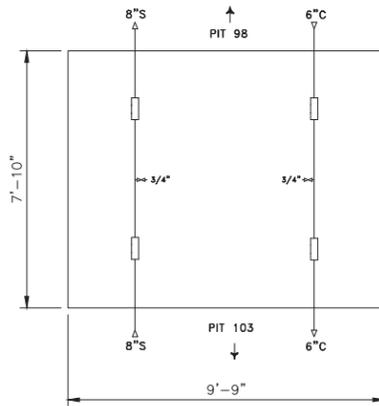
PIT #104
NTS

C5



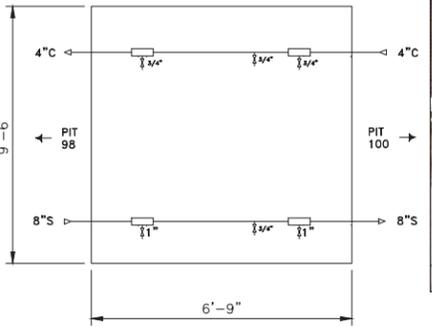
PIT #98
NTS

B2



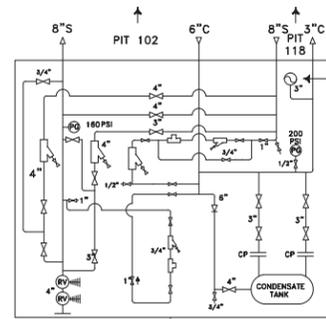
PIT #102
NTS

B4



PIT #99
NTS

A2



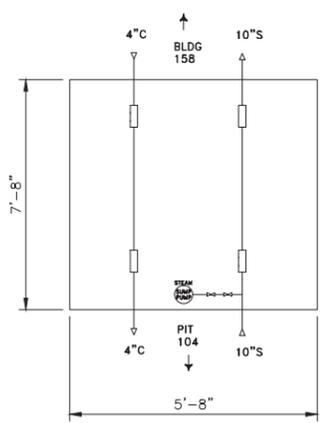
PIT #103
NTS

A4

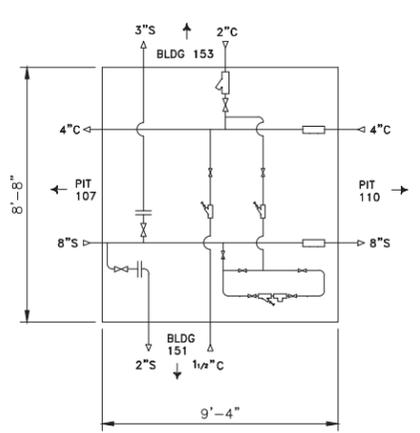
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<CDD>>		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT	NAVAL FACILITIES ENGINEERING COMMAND MIDWEST NSCL GREAT LAKES, IL GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11		
STEAM PIT DEMOLITION		
SCALE: AS NOTED		
PROJECT NO.: 1111695		
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET 58 OF 91		
MD-210		
DRAWING REVISION: 10 MARCH 2009		

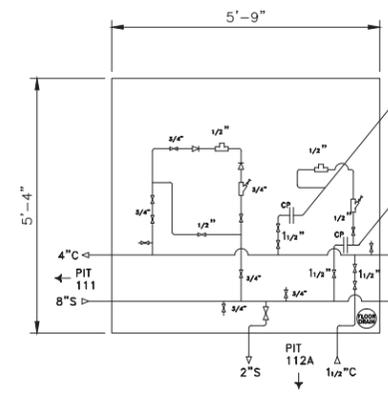
FILE NAME: C:\pwworking\cma\0687328\0011_08_10211.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 12:57pm USER: hembie



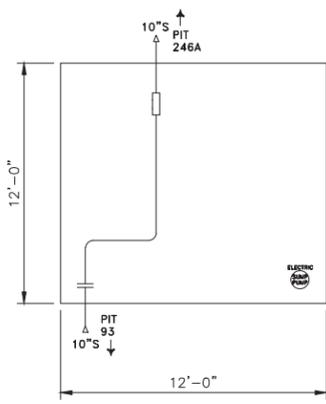
PIT #105
NTS



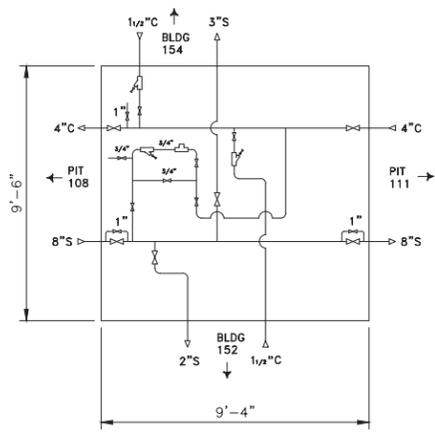
PIT #108
NTS



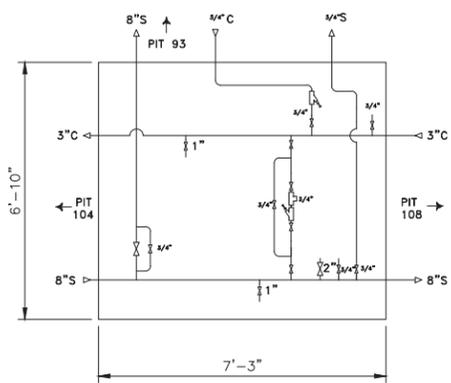
PIT #112 (PIT TO REMAIN)
NTS



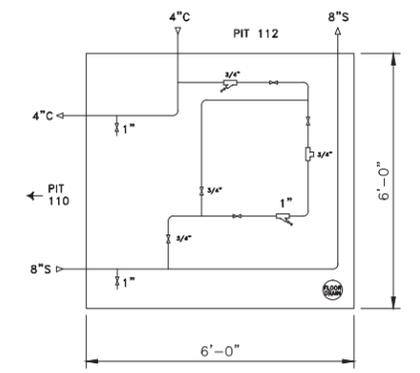
PIT #106
NTS



PIT #110
NTS



PIT #107
NTS

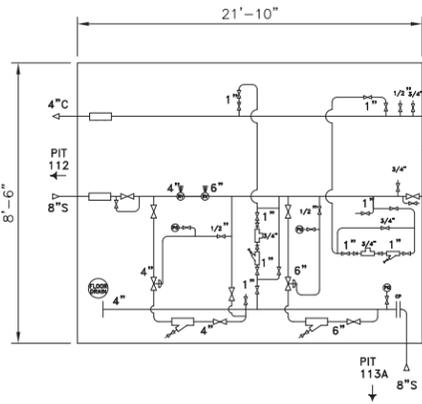


PIT #111
NTS

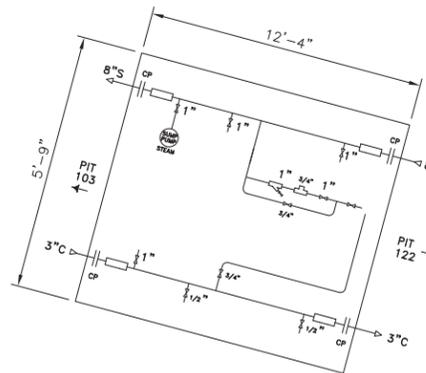
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT	NAVAL FACILITIES ENGINEERING COMMAND MIDWEST NSCL GREAT LAKES, IL	NAVAL STATION GREAT LAKES GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11		
STEAM PIT DEMOLITION		
SCALE:	AS NOTED	
EPROJCT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	59	OF 91
MD-211		
DRAWFORM REVISION: 10 MARCH 2009		

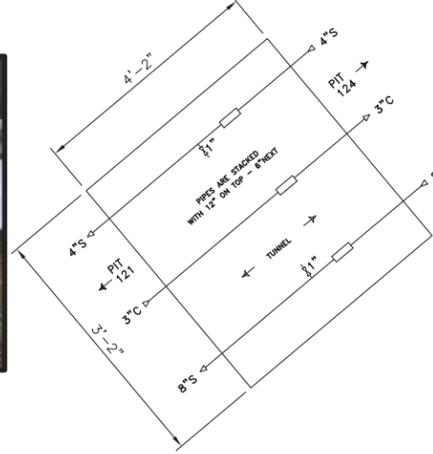
FILE NAME: P:\GreateLakes\WILCON\2012_111695_P816_DB_DecentralizeSteamSystem\P-816 Steam De-centralization-Phase I-Demolition\A_Preliminary\111695-0011-08-40212.dwg LAYOUT NAME: Pit PLOTTED: Tuesday, February 03, 2015 - 1:46pm USER: isa.groz



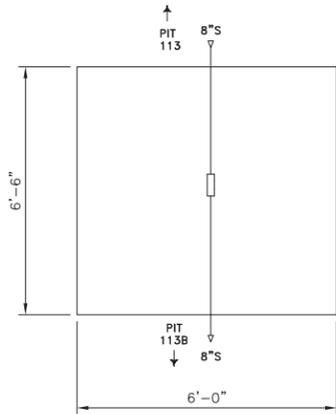
PIT #113
NTS



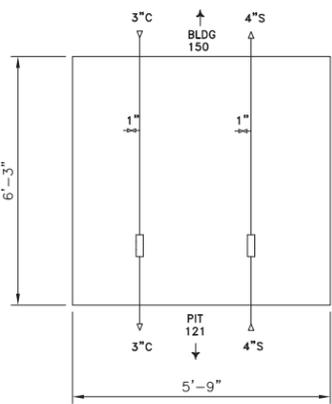
PIT #118
NTS



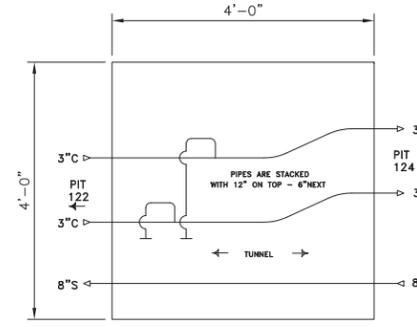
PIT #122
NTS



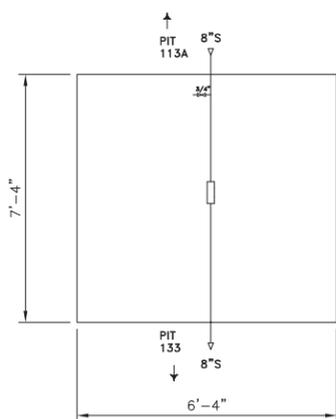
PIT #113A
NTS



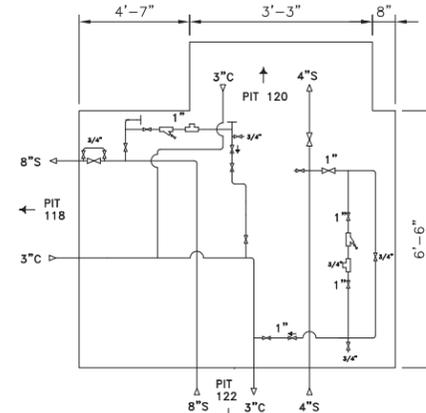
PIT #119
NTS



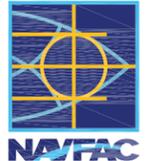
PIT #123
NTS



PIT #113B (PIT TO REMAIN)
NTS

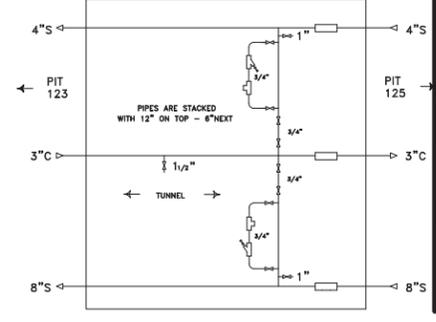


PIT #121
NTS

APPROVED	DATE	APP'R
DESCRIPTION	DATE	APP'R
		
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>		
 <p>HDR HDR Architecture, Inc. 8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>		
APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC	DATE	APP'R
ACTIVITY	DATE	APP'R
SATISFACTORY TO	DATE	APP'R
DES	DRW	CHK
<p><<PM/DM>></p>		
<p>BRANCH MANAGER</p>		
<p>CHIEF ENG/ARCH</p>		
<p><<DD>></p>		
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p>		
<p>P-816 STEAM DECENTRALIZATION B-11 STEAM PIT DEMOLITION</p>		
SCALE:	AS NOTED	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	60	OF 91
MD-212		
DRAWING REVISION: 10 MARCH 2009		

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

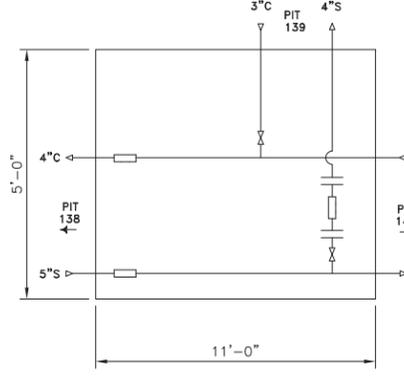
FILE NAME: P:\Credentia\WILCON\2012_111695_P816_DB_Decimalize\Steam-Phase 1-Demolition\A_Preliminary\816-DB-40213.dwg PLOTTED: Tuesday, February 03, 2015 - 1:53 pm USER: isa.groz



PIT DIAMETER: 4'-6"

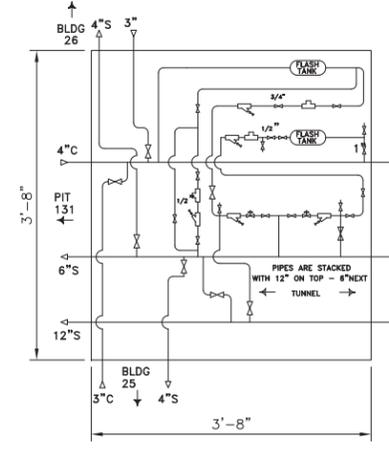
PIT #124 (PIT TO REMAIN)
NTS

C2



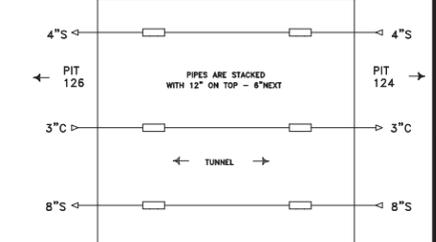
PIT #128
NTS

C4



PIT #132 (ASSOCIATED WITH TUNNEL)
NTS

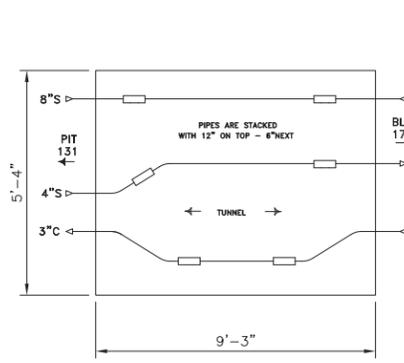
C5



PIT DIAMETER: 4'-6"

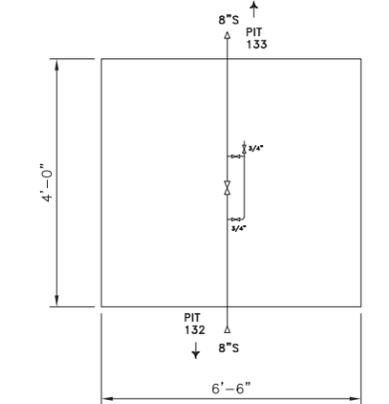
PIT #125 (PIT TO REMAIN)
NTS

B2



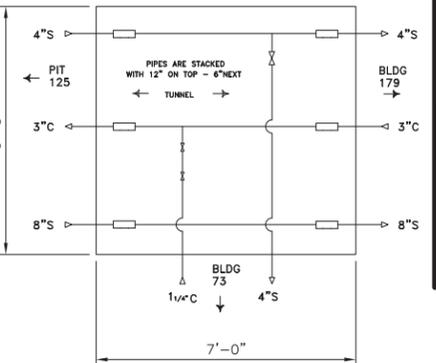
PIT #130
NTS

B4



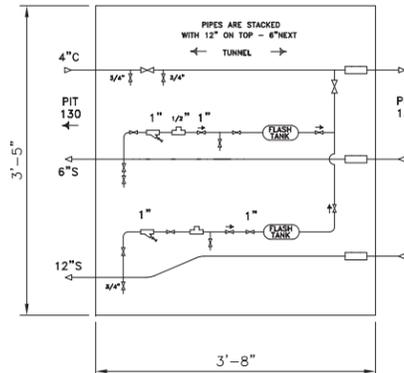
PIT #132A (ASSOCIATED WITH TUNNEL)
NTS

B5



PIT #126
NTS

A2



PIT #131
NTS

A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APPR
DESCRIPTION	DATE	DATE
SYN	DESCRIPTION	SYN

PRELIMINARY NOT FOR CONSTRUCTION

HDR Architecture, Inc.
8550 West Bryn Mawr Ave | Suite 900
Chicago, IL 60631 | 773.380.7900

APPROVED: _____
PER COMMANDER NAVFAC

ACTIVITY: _____

SATISFACTORY TO	DATE
DES	DRW
CHK	CHK

BRANCH MANAGER: _____
CHIEF ENG/ARCH: _____
CHECKED: _____

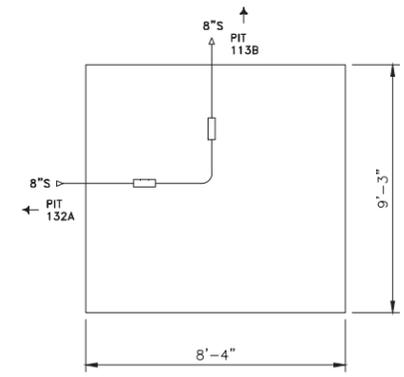
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL

P-816 STEAM DECENTRALIZATION B-11

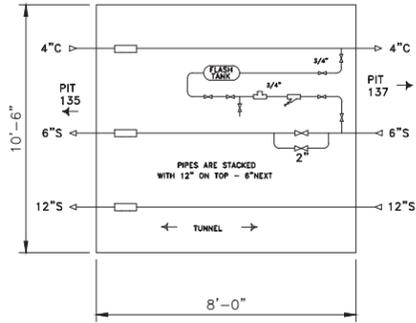
STEAM PIT DEMOLITION

SCALE: AS NOTED
PROJECT NO.: 1111695
CONSTR. CONTR. NO.: _____
NAVFAC DRAWING NO.: _____
SHEET 61 OF 91
DRAWING REVISION: 10 MARCH 2009

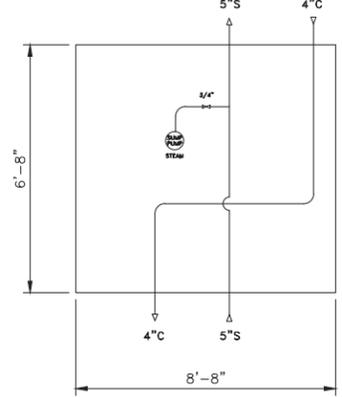
FILE NAME: C:\pwworking\cma\0667328\0111_08_MD214.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 12:58pm USER: helenk



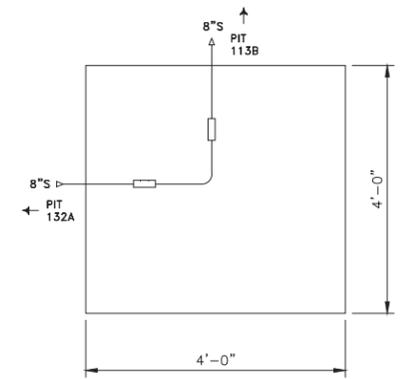
PIT #133
NTS



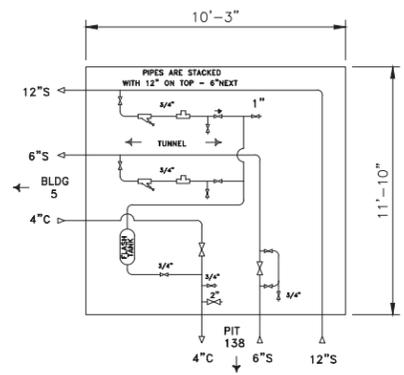
PIT #136 (PIT TO REMAIN)
NTS



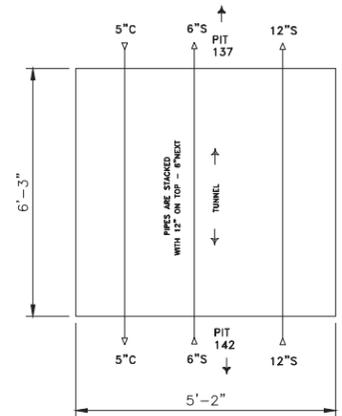
PIT #139
NTS



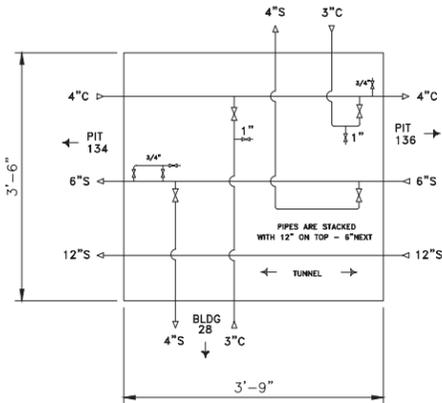
PIT #134 (ASSOCIATED WITH TUNNEL)
NTS



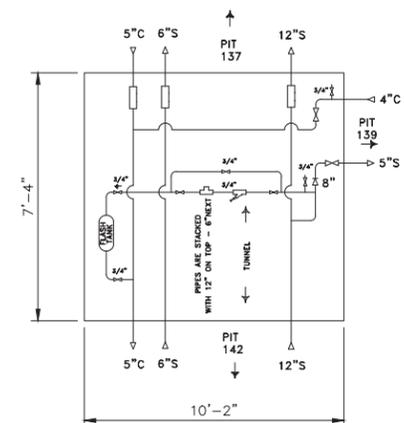
PIT #137 (PIT TO REMAIN)
NTS



PIT #142 (ASSOCIATED WITH TUNNEL)
NTS



PIT #135 (ASSOCIATED WITH TUNNEL)
NTS



PIT #138 (ASSOCIATED WITH TUNNEL)
NTS

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

NO.	DATE	APP'R



PRELIMINARY
NOT FOR
CONSTRUCTION



8550 West Bryn Mawr Ave | Suite 900
Chicago, IL 60631 | 773.380.7900

A/E INFO

APPROVED FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: [] DRW: [] CHK: []

BRANCH MANAGER

CHIEF ENG/ARCH

<<DD>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL

P-816 STEAM DECENTRALIZATION B-11

STEAM PIT DEMOLITION

SCALE: AS NOTED

PROJECT NO.: 1111695

CONSTR. CONTR. NO.

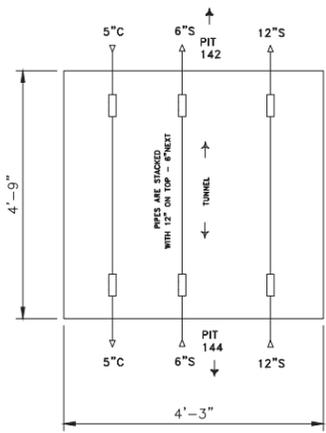
NAVFAC DRAWING NO.

SHEET 62 OF 91

MD-214

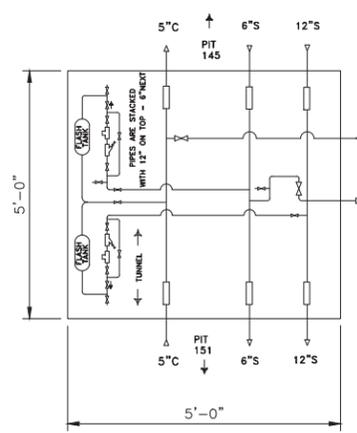
DRAWFORM REVISION: 10 MARCH 2009

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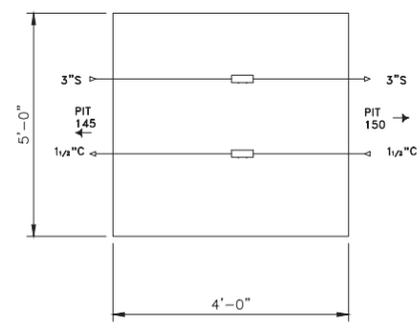
PIT #143 (ASSOCIATED WITH TUNNEL)
NTS

C2



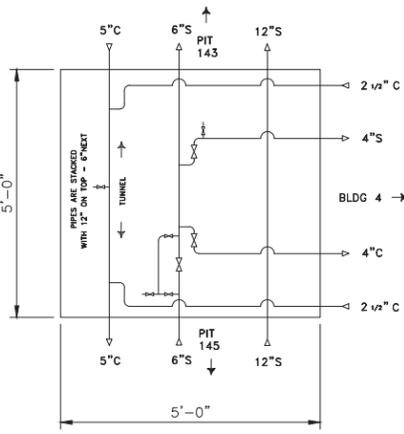
PIT #146 (ASSOCIATED WITH TUNNEL)
NTS

C4



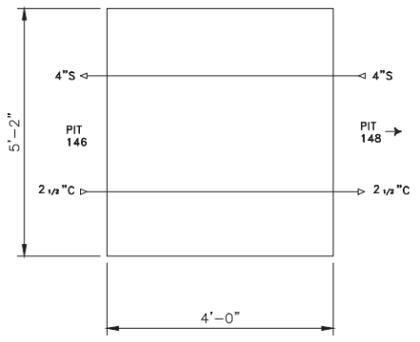
PIT #149
NTS

C5



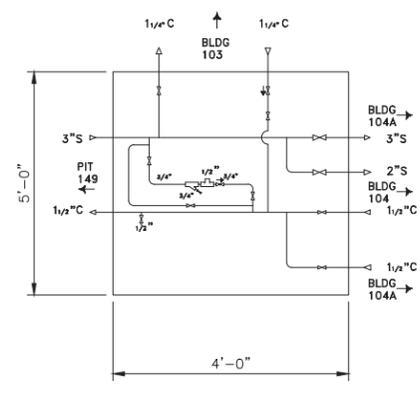
PIT #144 (ASSOCIATED WITH TUNNEL)
NTS

B2



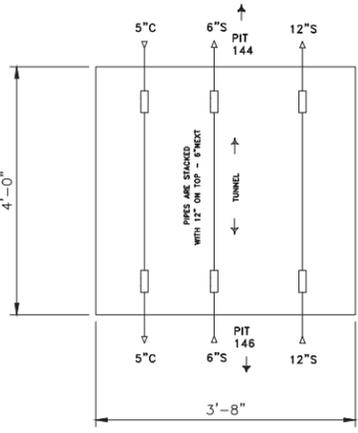
PIT #147
NTS

B4



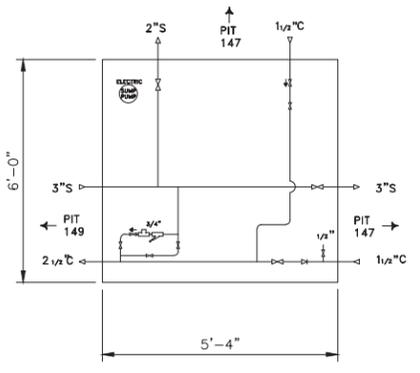
PIT #150
NTS

B5



PIT #145 (ASSOCIATED WITH TUNNEL)
NTS

A2

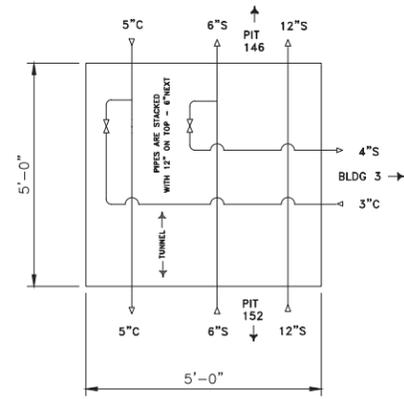


PIT #148
NTS

A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APPR
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	
NAVAL FACILITIES ENGINEERING COMMAND	MIDWEST	
PUBLIC WORKS DEPARTMENT	NSCL GREAT LAKES, IL	
NAVAL STATION GREAT LAKES	GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11		
STEAM PIT DEMOLITION		
SCALE:	AS NOTED	
EPROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	63	OF 91
MD-215		
DRAWFORM REVISION: 10 MARCH 2009		



PIT #151 (ASSOCIATED WITH TUNNEL)
NTS

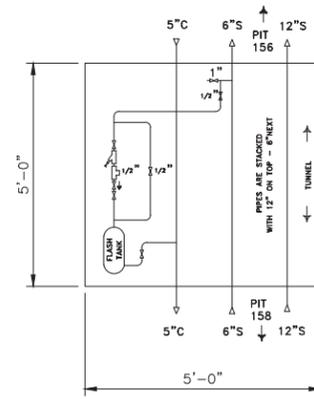
C2

DRAWING OF PIT #154A NOT ON FILE



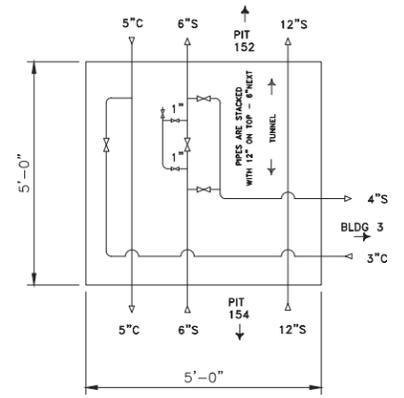
PIT #154A
NTS

C4



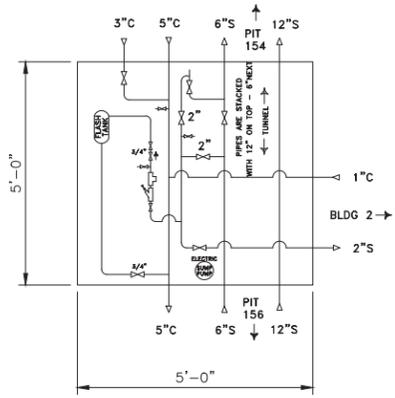
PIT #157 (ASSOCIATED WITH TUNNEL)
NTS

C5



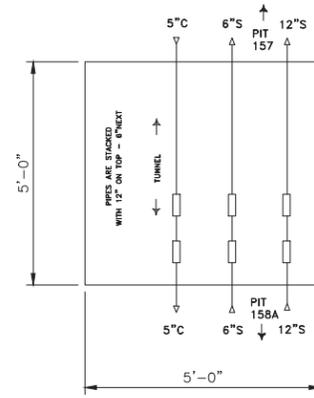
PIT #153 (ASSOCIATED WITH TUNNEL)
NTS

B2



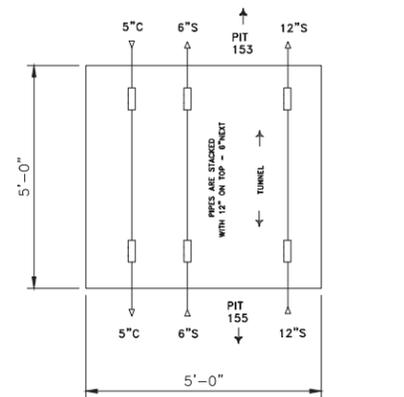
PIT #155 (ASSOCIATED WITH TUNNEL)
NTS

B4



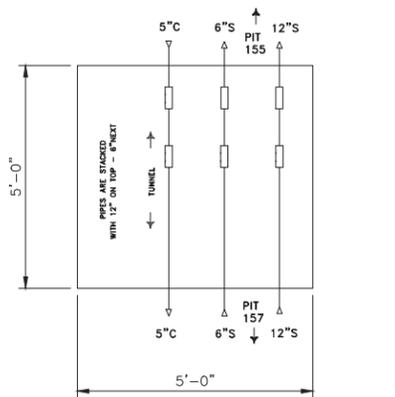
PIT #158
NTS

B5



PIT #154 (ASSOCIATED WITH TUNNEL)
NTS

A2



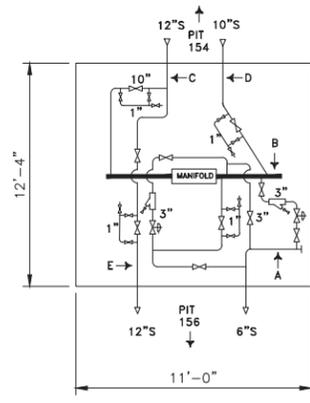
PIT #156 (ASSOCIATED WITH TUNNEL)
NTS

A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

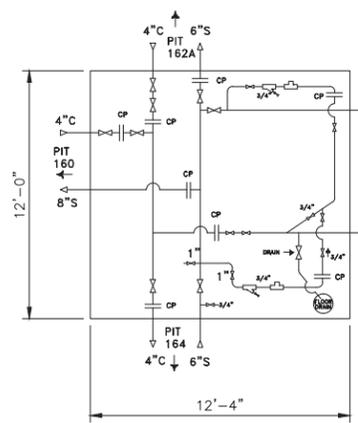
APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	
PUBLIC WORKS DEPARTMENT	NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST	
NAVAL STATION GREAT LAKES	NSCL GREAT LAKES, IL	
	GREAT LAKES, IL	
	P-816 STEAM DECENTRALIZATION B-11	
	STEAM PIT DEMOLITION	
SCALE:	AS NOTED	
EPROJCT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	64	OF 91
MD-216		
DRAWFORM REVISION: 10 MARCH 2009		

FILE NAME: C:\pwworking\cma\0667328\0111_08_10216.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 09, 2011 - 12:58pm USER: hcmh



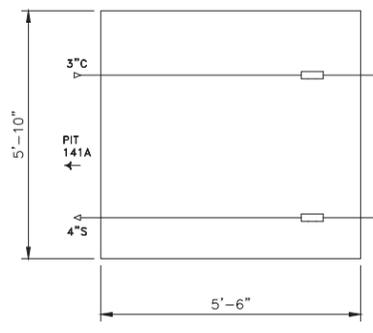
PIT #158A - STEAM SHOWN (ASSOCIATED WITH TUNNEL)
NTS

C2



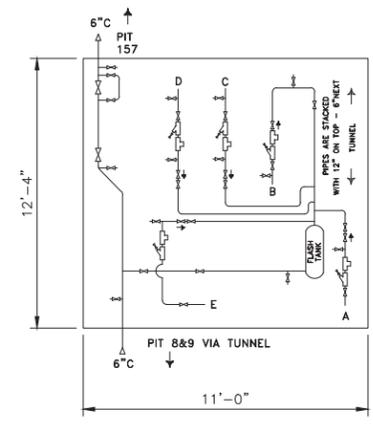
PIT #161
NTS

C4



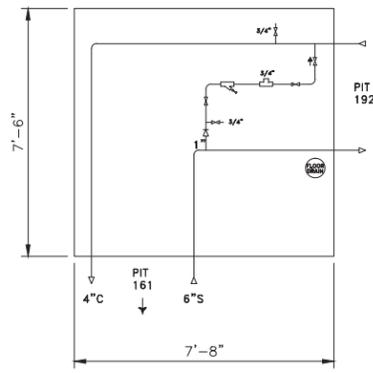
PIT #166A
NTS

C5



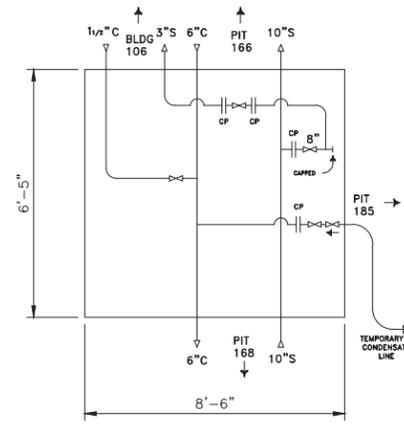
PIT #158A - CONDENSATE SHOWN (ASSOCIATED WITH TUNNEL)
NTS

B2



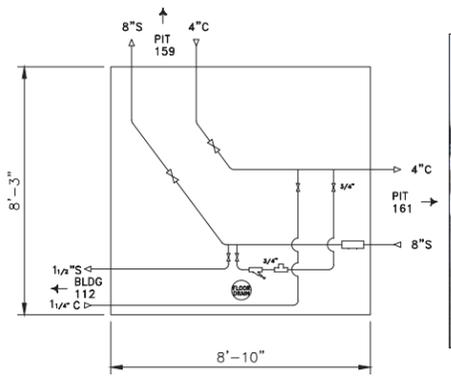
PIT #162A
NTS

B4



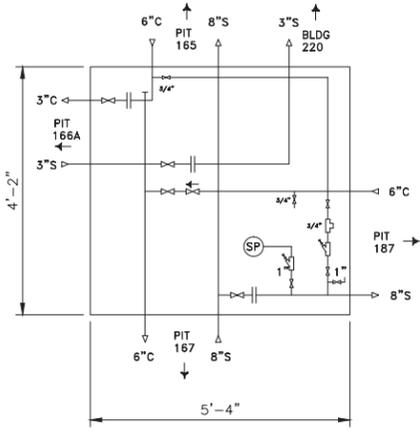
PIT #167
NTS

B5



PIT #160
NTS

A2



PIT #166
NTS

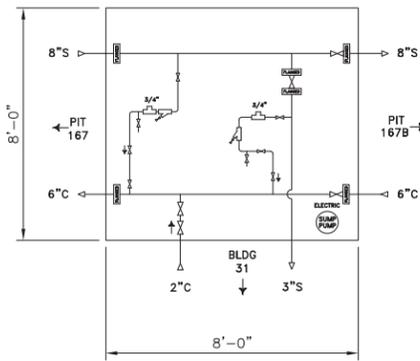
A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

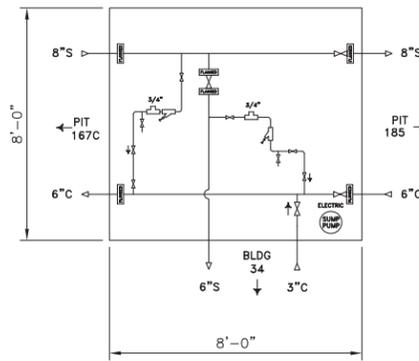
DATE	APPR
DESCRIPTION	SW
PRELIMINARY NOT FOR CONSTRUCTION	
<small>8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</small>	
APPROVED	FOR COMMANDER NAVFAC
ACTIVITY	
SATISFACTORY TO	DATE
DES	DRW
CHK	CHK
BRANCH MANAGER CHIEF ENG/ARCH <<DD>>	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES, IL GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11	
STEAM PIT DEMOLITION	
SCALE:	AS NOTED
EPROJCT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	65 OF 91
MD-217	
<small>DRAWFORM REVISION: 10 MARCH 2009</small>	

FILE NAME: C:\pwworking\cma\0687328\0111_OR_M0217.dwg LAYOUT NAME: Pit PLOTTED: Wednesday, November 08, 2011 - 12:58pm USER: hlemke

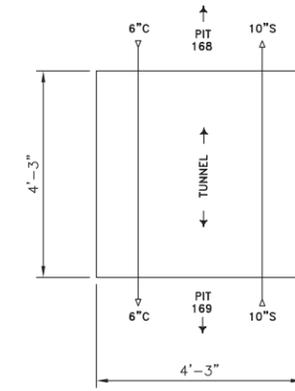
FILE NAME: P:\A\GreatLakes\WILCON\2012_111695_P816_DB_Decentralization\Phase 1-Demolition\A_Preliminary\816-111695-0011-08-40215.dwg LAYOUT NAME: Pit PLOTTED: Tuesday, February 03, 2015 - 2:19pm USER: hsa.groz



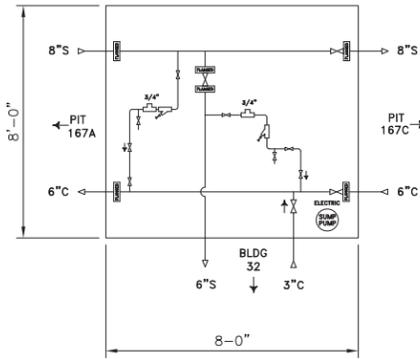
PIT #167A (PIT TO REMAIN)
NTS



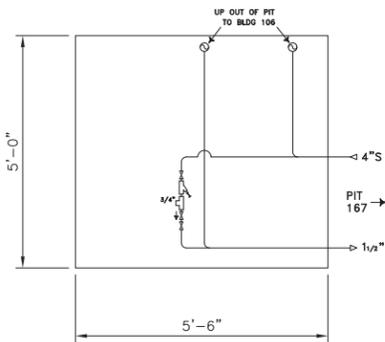
PIT #167D (PIT TO REMAIN)
NTS



PIT #168A
NTS

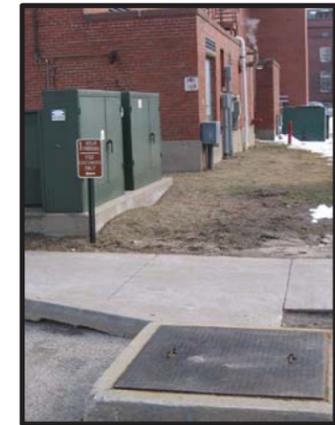
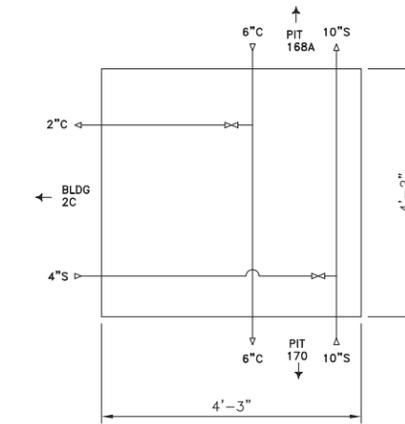


PIT #167B (PIT TO REMAIN)
NTS

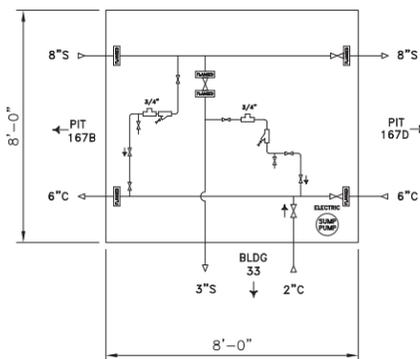


NOTE: REMOVE PIPING AND PATCH BRICK WALL

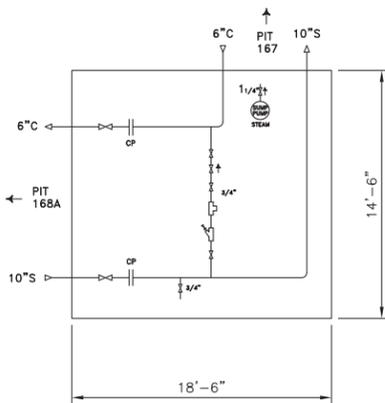
PIT #167E
NTS



PIT #169
NTS



PIT #167C (PIT TO REMAIN)
NTS



PIT #168
NTS

A4

A2

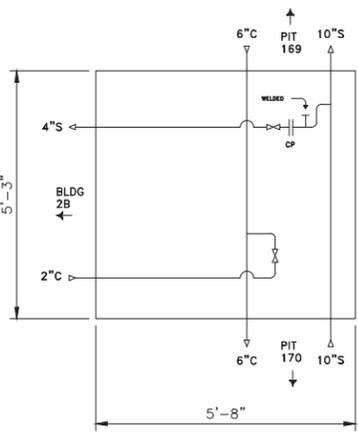
C5

C4

C2

DATE	APPR
DESCRIPTION	SYN
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	
<p>HDR HDR Architecture, Inc. 8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>	
APPROVED	FOR COMMANDER NAVFAC
SATISFACTORY TO	DATE
DES	DRW
CHK	CHK
<p>BRANCH MANAGER</p> <p>CHIEF ENG/ARCH</p> <p><<DD>></p>	
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p>	
<p>P-816 STEAM DECENTRALIZATION B-11</p> <p>STEAM PIT DEMOLITION</p>	
SCALE:	AS NOTED
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	66 OF 91
MD-218	
DRAWING REVISION: 10 MARCH 2009	

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.



PIT #170
NTS

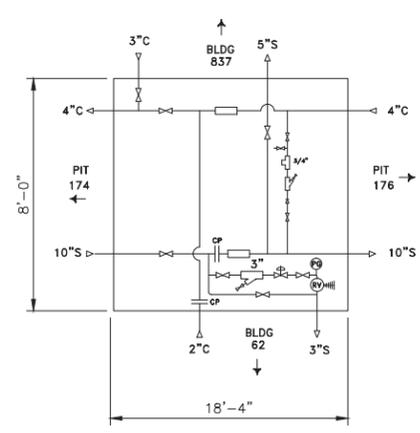
C2

DRAWING OF PIT #172A NOT ON FILE



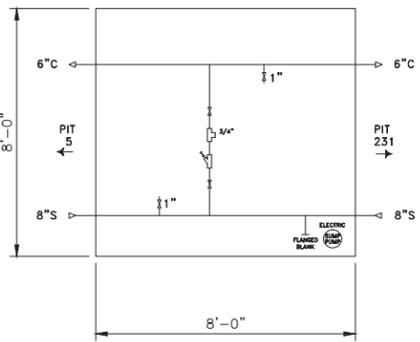
PIT #172A
NTS

C4



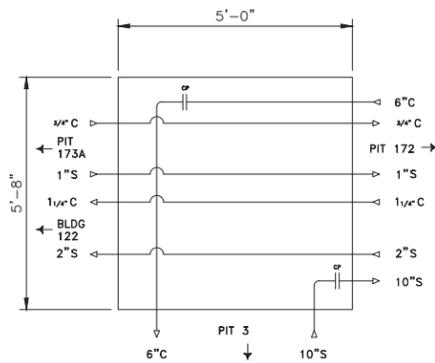
PIT #175
NTS

C5



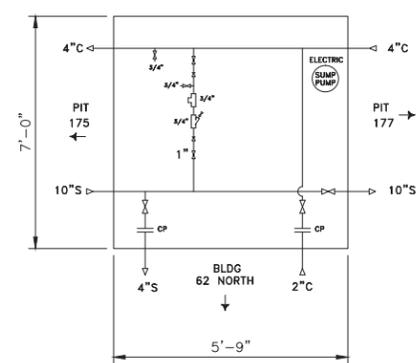
PIT #171
NTS

B2



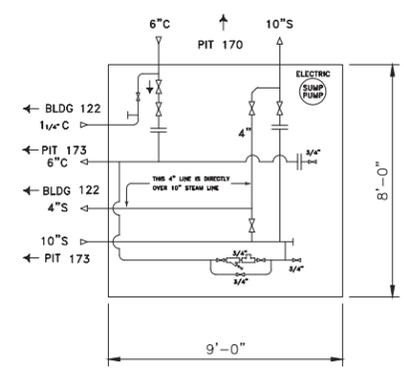
PIT #173
NTS

B4



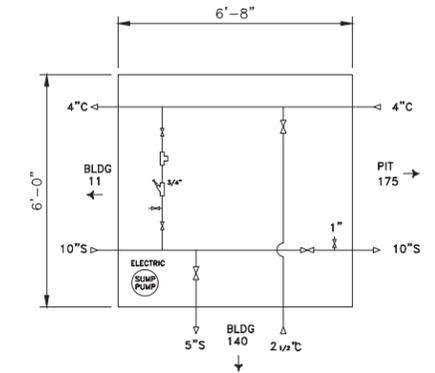
PIT #176
NTS

B5



PIT #172
NTS

A2



PIT #174
NTS

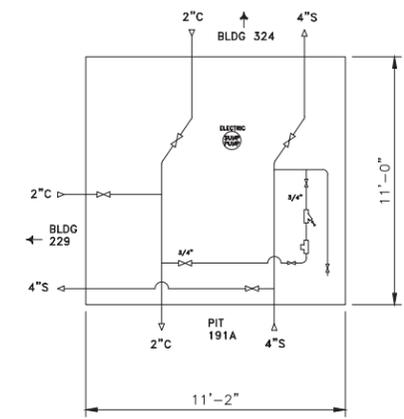
A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<CD>>		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	
PUBLIC WORKS DEPARTMENT	NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST	
NAVAL STATION GREAT LAKES	NSCL GREAT LAKES, IL	
	GREAT LAKES, IL	
	P-816 STEAM DECENTRALIZATION B-11	
	STEAM PIT DEMOLITION	
SCALE:	AS NOTED	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	67	OF 91
MD-219		
DRAWING REVISION: 10 MARCH 2009		

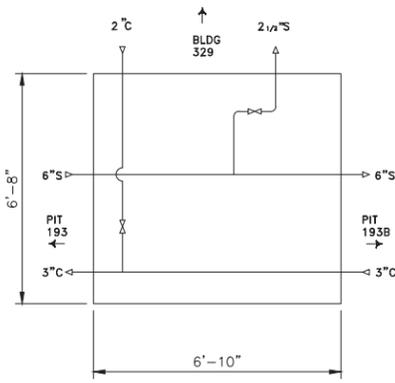
FILE NAME: C:\pwworking\cma\0687328\0111_L08_M0219.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 09, 2011 - 12:59pm USER: hcmk

FILE NAME: C:\pwworking\cma\0667328\0111_08_MD222.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 09, 2011 - 12:59pm USER: hembie



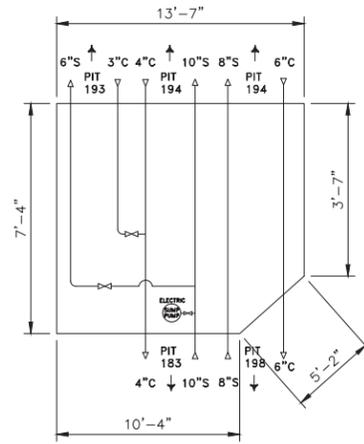
PIT #191B
NTS

C2



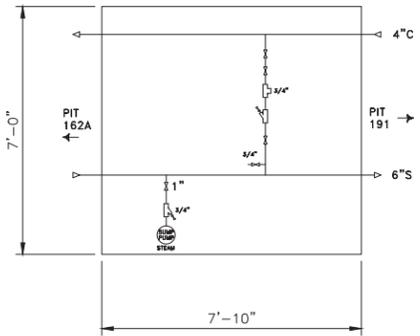
PIT #193A
NTS

C4



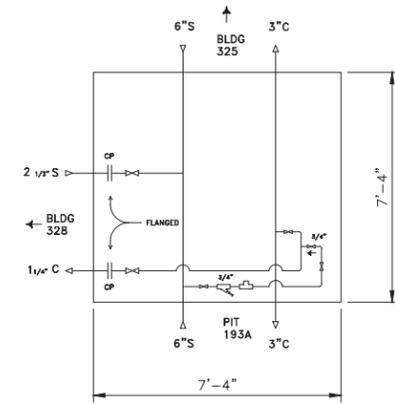
PIT #195
NTS

C5



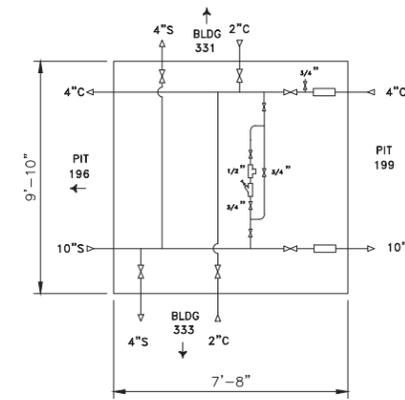
PIT #192
NTS

B2



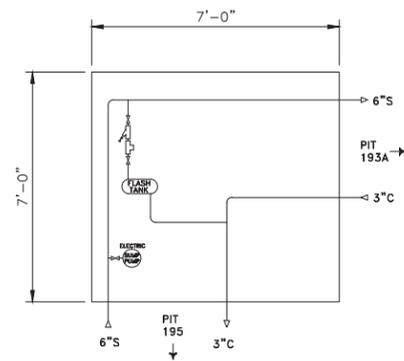
PIT #193B
NTS

B4



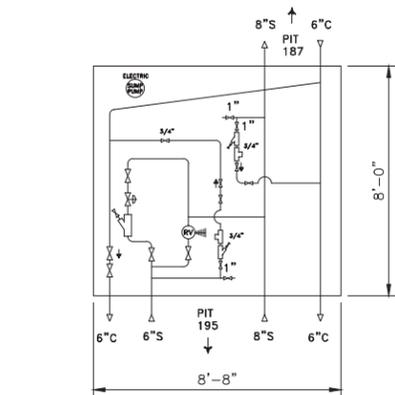
PIT #196
NTS

B5



PIT #193
NTS

A2



PIT #194
NTS

A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

NO.	DATE	DESCRIPTION	BY	APPR.



PRELIMINARY
NOT FOR
CONSTRUCTION



8550 West Bryn Mawr Ave | Suite 900
Chicago, IL 60631 | 773.380.7900

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES | DRAW | CHK

<<PM/DM>>

BRANCH MANAGER

CHIEF ENG/ARCH

<<ODD>>

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
STEAM PIT DEMOLITION

SCALE: AS NOTED

PROJECT NO.: 1111695

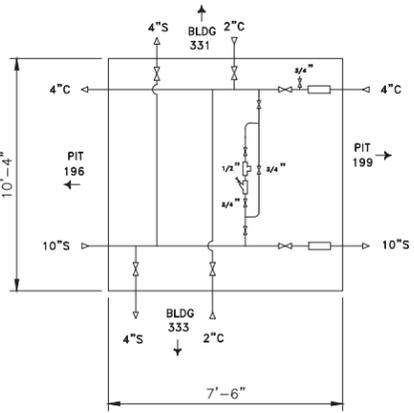
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.

SHEET 70 OF 91

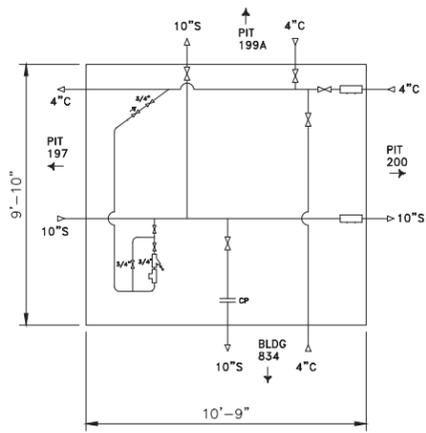
MD-222

DRAWING REVISION: 10 MARCH 2009



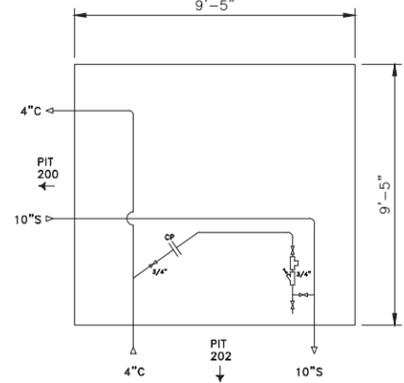
PIT #197
NTS

C2



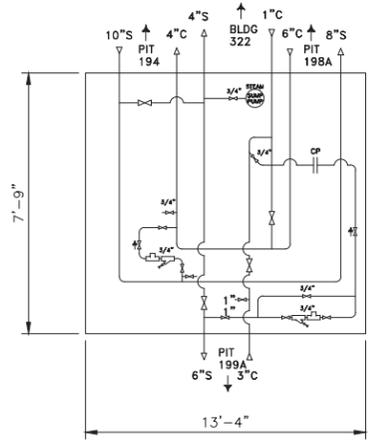
PIT #199
NTS

C4



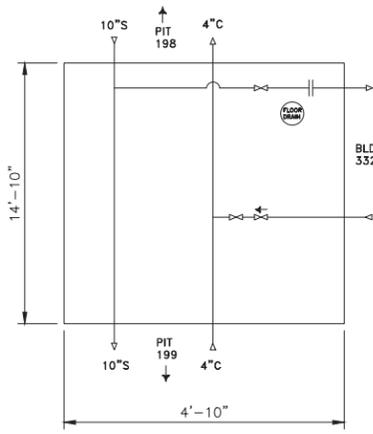
PIT #201
NTS

C5



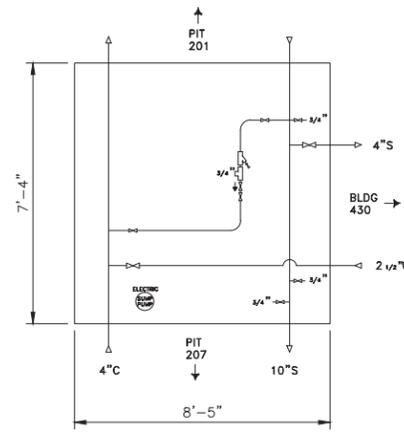
PIT #198
NTS

B2



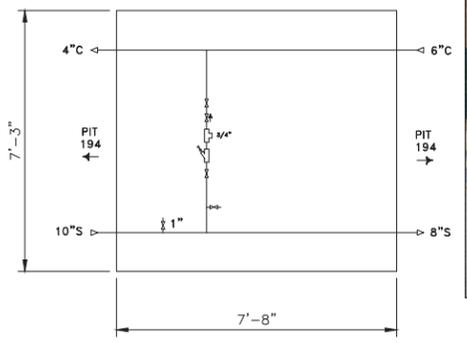
PIT #199A
NTS

B4



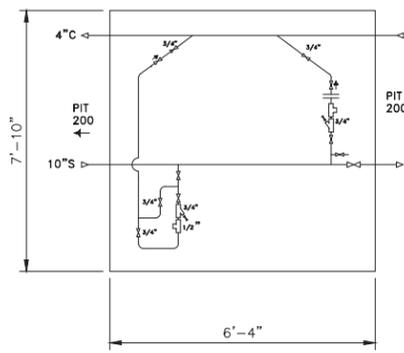
PIT #202
NTS

B5



PIT #198A
NTS

A2



PIT #200
NTS

A4

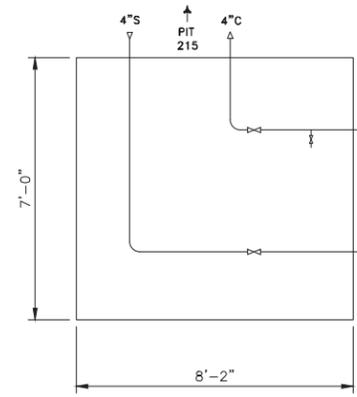
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APP'R
DESCRIPTION	DATE	APP'R
SW	DESCRIPTION	DATE
PRELIMINARY NOT FOR CONSTRUCTION		
<small>HDR Architecture, Inc. 8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</small>		
APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
BRANCH MANAGER		
CHIEF ENG/ARCH		
CADD		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL		
P-816 STEAM DECENTRALIZATION B-11		
STEAM PIT DEMOLITION		
SCALE: AS NOTED		
EPROJCT NO.: 1111695		
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET 71 OF 91		
MD-223		
DRAWING REVISION: 10 MARCH 2009		

FILE NAME: C:\pwworking\cma\0687328\0111_08_10223.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 12:59pm USER: hembie



DRAWING OF PIT #213B NOT ON FILE

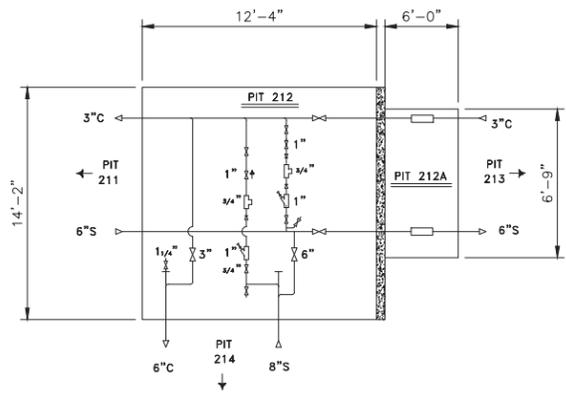


PIT #213B (PIT TO REMAIN)
NTS

C4

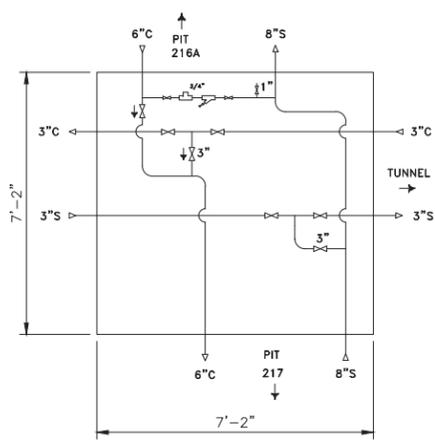
PIT #215A
NTS

C5



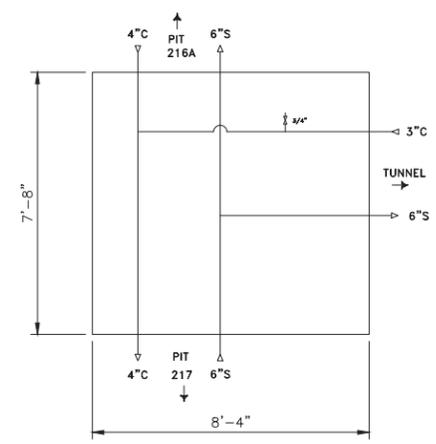
PIT #212 & 212A
NTS

B2



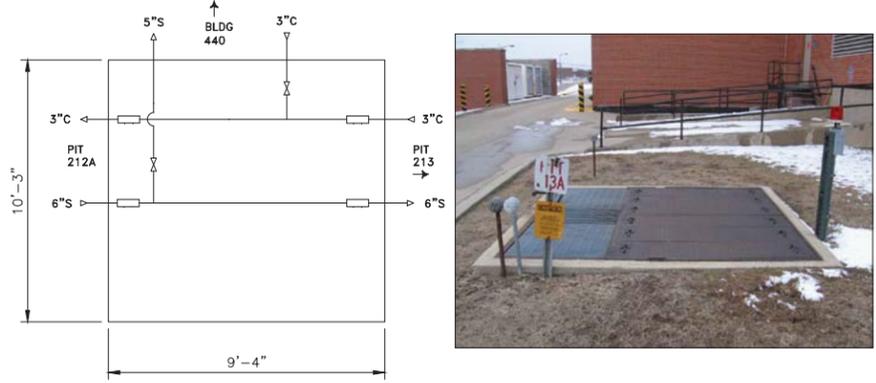
PIT #214
NTS

B4



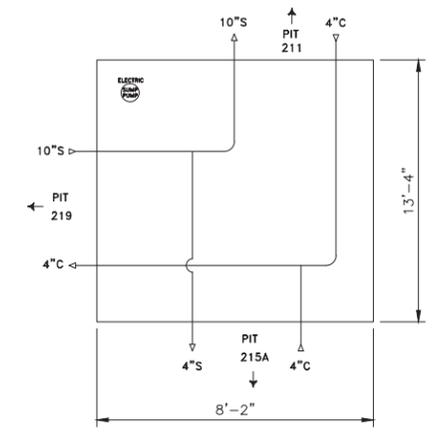
PIT #216
NTS

B5



PIT #213A
NTS

A2



PIT #215
NTS

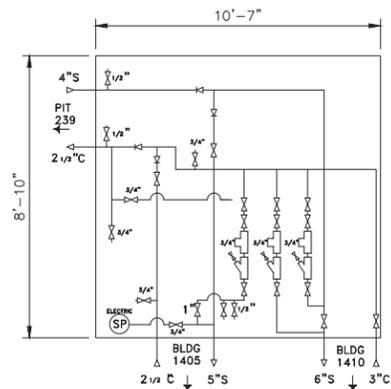
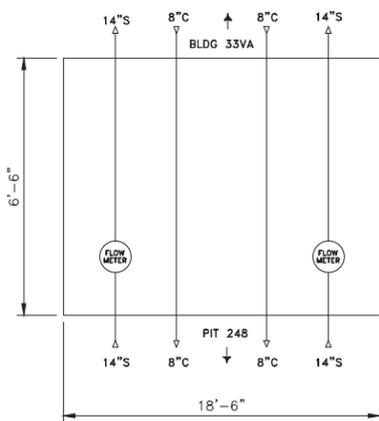
A4



CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	
PUBLIC WORKS DEPARTMENT	NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST	
NAVAL STATION GREAT LAKES	NSCL GREAT LAKES, IL	
	GREAT LAKES, IL	
	P-816 STEAM DECENTRALIZATION B-11	
	STEAM PIT DEMOLITION	
SCALE:	AS NOTED	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	73	OF 91
MD-225		
DRAWING REVISION: 10 MARCH 2009		

FILE NAME: C:\pwworking\cma\0687328\0111_08_MD225.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 1:00pm USER: harnik



DRAWING OF PIT #239D NOT ON FILE



PIT #235 (PIT TO REMAIN - IN USE BY V.A.)
NTS

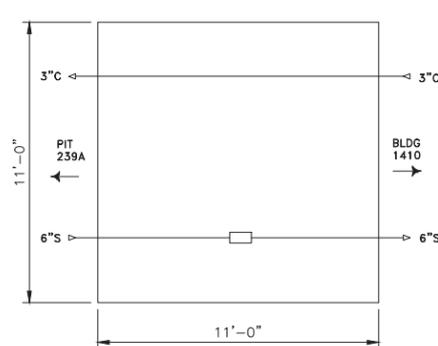
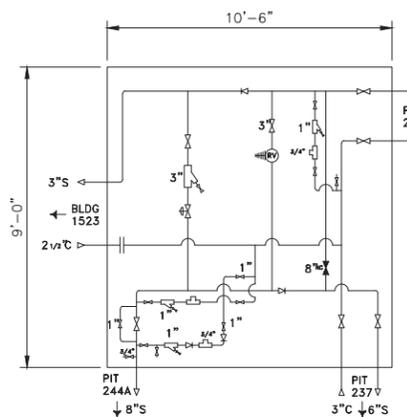
C2

PIT #239A
NTS

C4

PIT #239D
NTS

C5

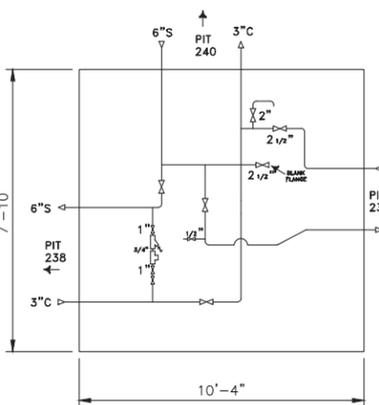


PIT #238
NTS

B2

PIT #239B
NTS

B4



DRAWING OF PIT #239C NOT ON FILE



PIT #239
NTS

A2

PIT #239C
NTS

A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

DATE	APPR
DESCRIPTION	SW



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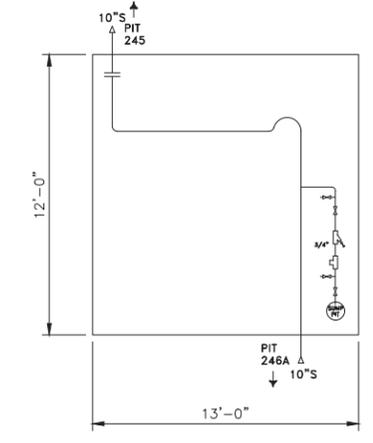
APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO DATE		
DES	DRW	CHK
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
STEAM PIT DEMOLITION

SCALE:	AS NOTED
EPROJCT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	76 OF 91
MD-228	
DRAWING REVISION: 10 MARCH 2009	

FILE NAME: C:\pwworking\com\0687328\0111_08_MD228.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 1:00pm USER: Benkie

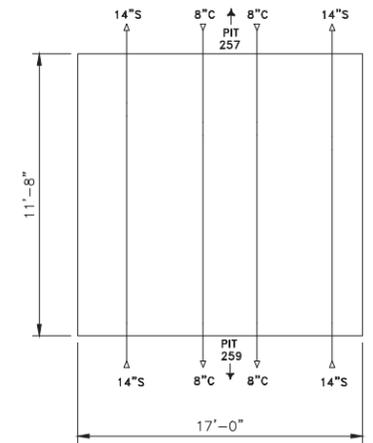
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PIT #246
NTS



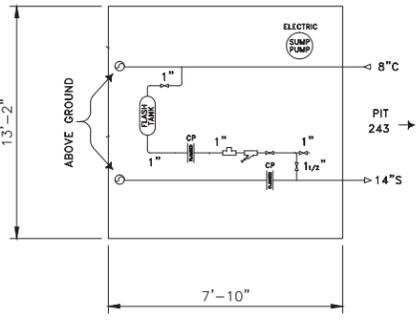
C2



PIT #258
NTS



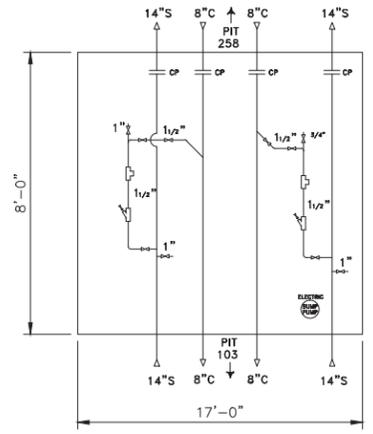
C4



PIT #247 (PIT TO REMAIN)
NTS



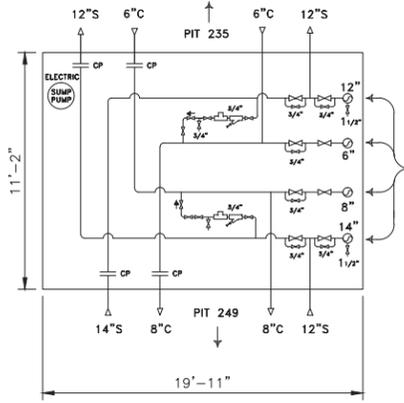
B2



PIT #259
NTS



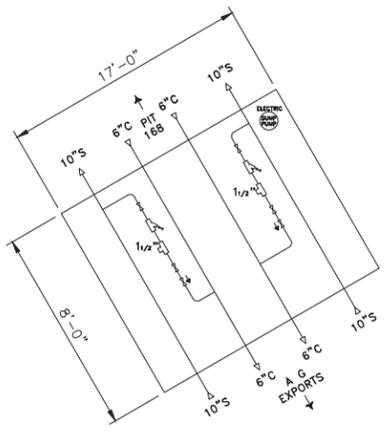
B4



PIT #248 (PIT TO REMAIN - IN USE BY V.A.)
NTS



A2



PIT #259A
NTS



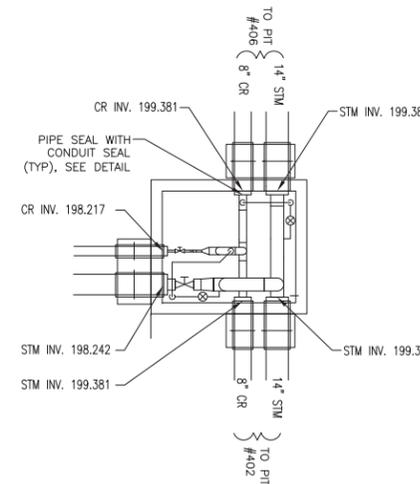
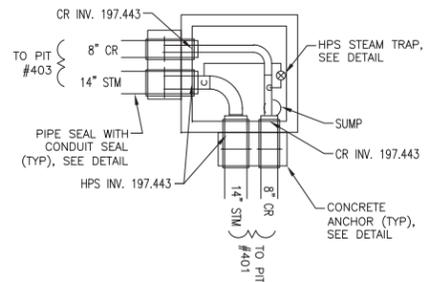
A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPROVED	DATE	APP'R
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL	P-816 STEAM DECENTRALIZATION B-11	
STEAM PIT DEMOLITION		
SCALE: AS NOTED	PROJECT NO.: 1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET 78 OF 91		
MD-230		
DRAWING REVISION: 10 MARCH 2009		

FILE NAME: P:\A\Create\MD-231\111695_P816_DB_DecentralizeSteamSystem\111695_P816_Steam_De-centralization-Phase 1-Demolition\A_Preliminary\111695-0011-08-MD231.dwg LAYOUT NAME: Pit PLOTTED: Tuesday, February 03, 2015 - 4:16pm USER: isa.groz

DRAWING OF PIT #259B NOT ON FILE



PIT #259B
NTS

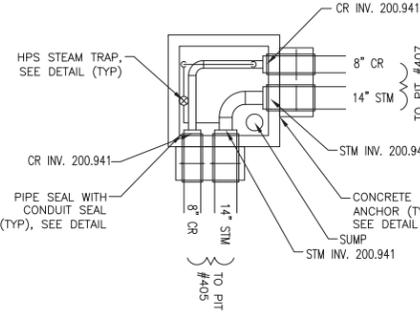
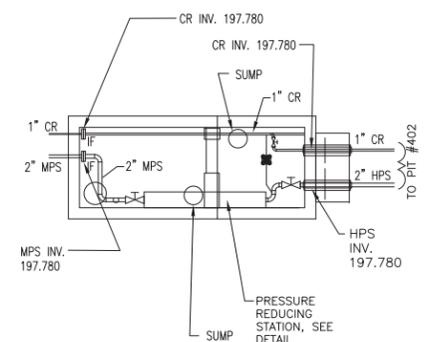
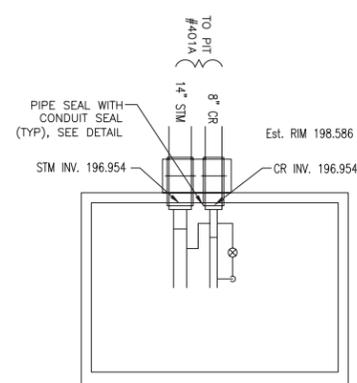
C2

PIT #401A
NTS

C4

PIT #405
NTS

C5



PIT #400
NTS

B2

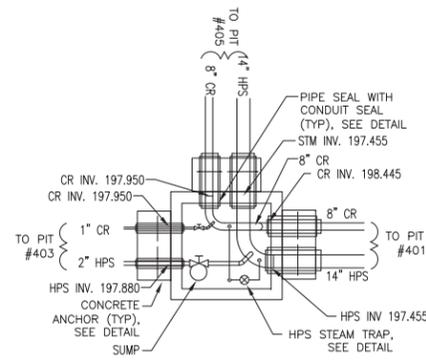
PIT #403
NTS

B4

PIT #406
NTS

B5

DRAWING OF PIT #401 NOT ON FILE



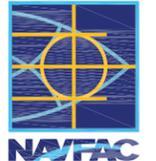
PIT #401
NTS

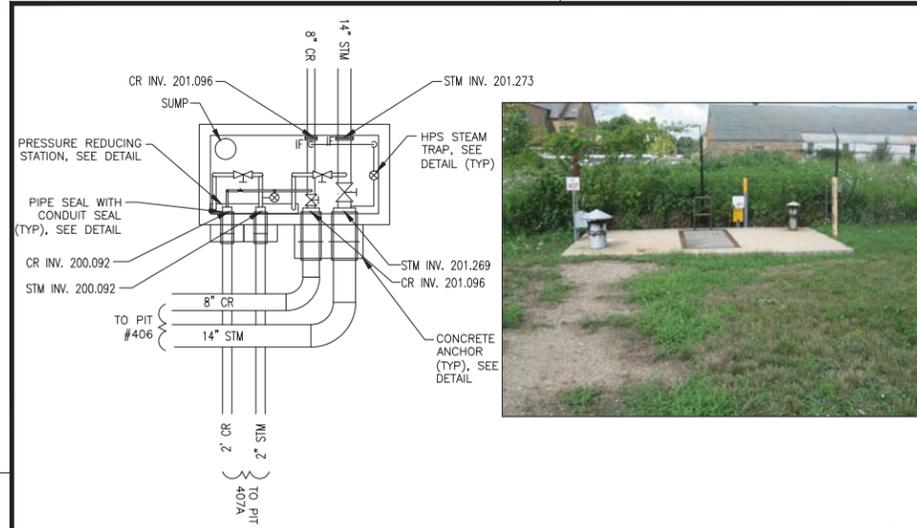
A2

PIT #404 (NOTED AS PIT #402 ON MAP)
NTS

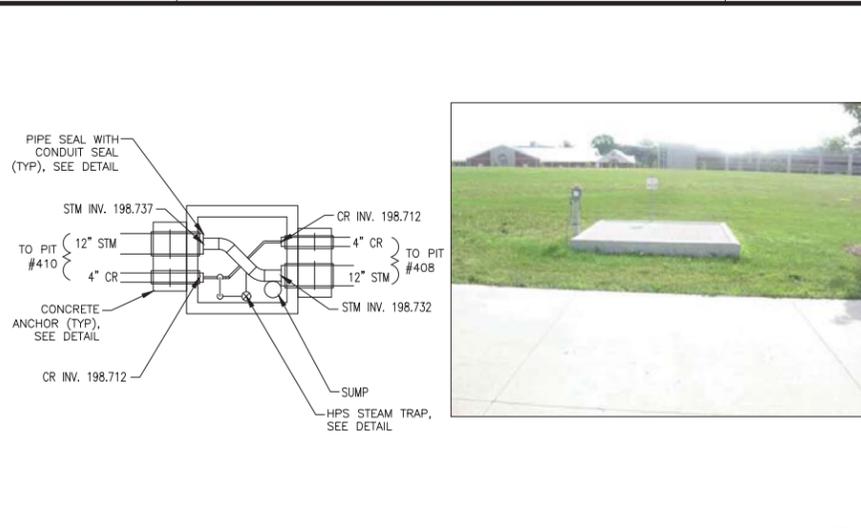
A4

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

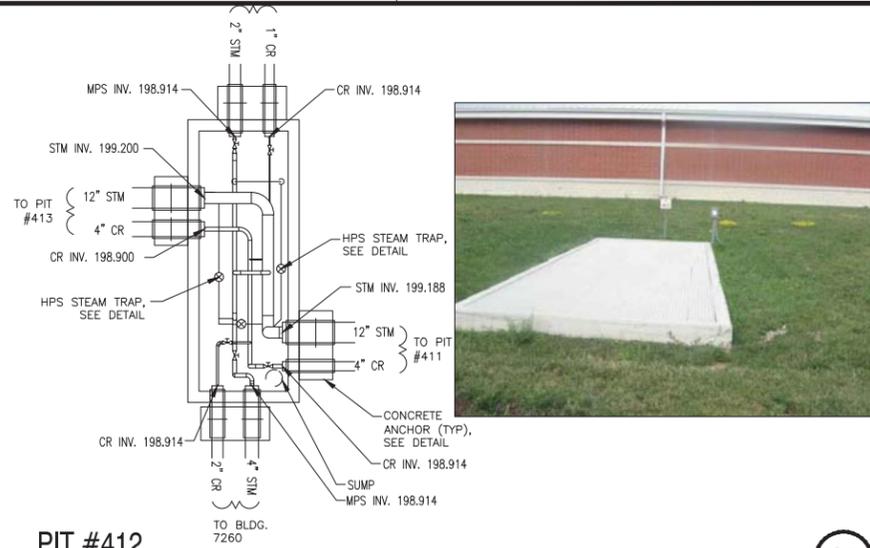
APPROVED	DATE	APPR
DESCRIPTION	DATE	DATE
SYMBOL	DESCRIPTION	SYMBOL
		
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>		
		
<p>8550 West Bryn Mawr Ave 1 Suite 900 Chicago, IL 60631 773.380.7900</p>		
APPROVED	DATE	APPR
FOR COMMANDER NAVFAC	DATE	APPR
ACTIVITY	DATE	APPR
SATISFACTORY TO	DATE	APPR
DES	DATE	CHK
<<PM/DM>>	DATE	CHK
BRANCH MANAGER	DATE	CHK
CHIEF ENG/ARCH	DATE	CHK
<<ODD>>	DATE	CHK
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p>		
<p>P-816 STEAM DECENTRALIZATION B-11 STEAM PIT DEMOLITION</p>		
SCALE:	AS NOTED	
PROJECT NO.:	1111695	
CONSTR. CONTR. NO.		
NAVFAC DRAWING NO.		
SHEET	79 OF 91	
<p>MD-231</p>		
<p>DRAWFORM REVISION: 10 MARCH 2009</p>		



PIT #407
NTS



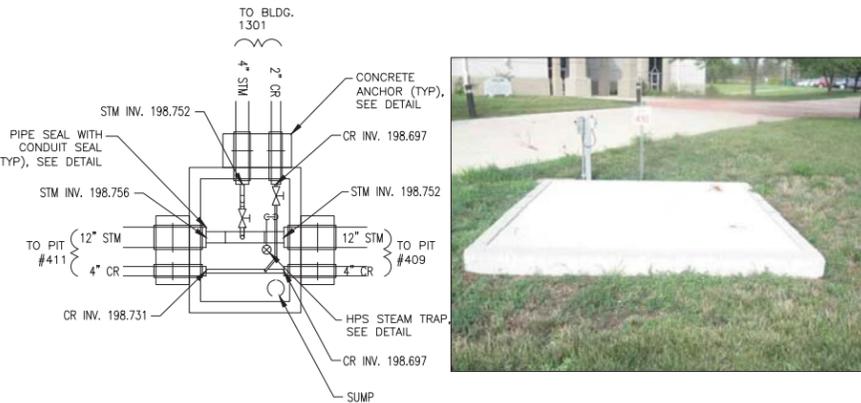
PIT #409
NTS



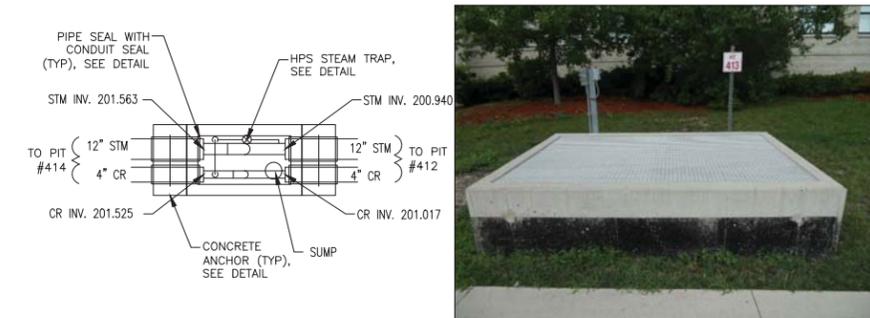
PIT #412
NTS



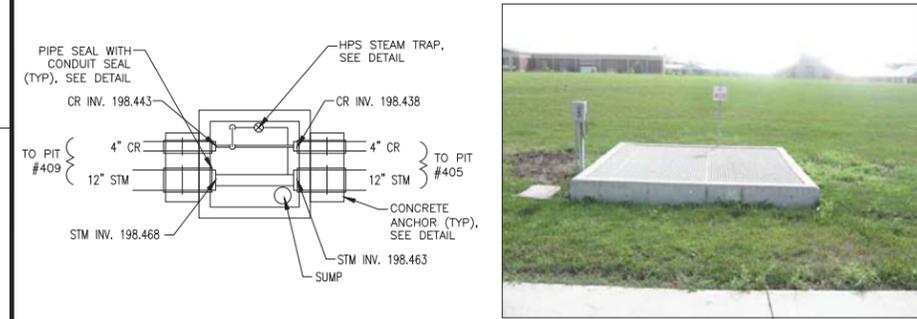
PIT #407A
NTS



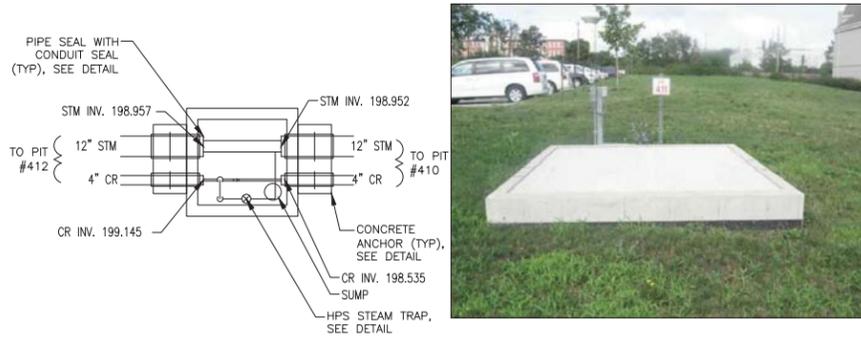
PIT #410
NTS



PIT #413
NTS



PIT #408
NTS



PIT #411
NTS

DRAWING OF PIT #407 NOT ON FILE

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

APPR.	DATE
DATE	DATE
SYN	DESCRIPTION
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	
<p>HDR HDR Architecture, Inc.</p> <p>8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>	
APPROVED	
FOR COMMANDER NAFAC	
ACTIVITY	
SATISFACTORY TO	DATE
DES	DRW
CHK	CHK
BRANCH MANAGER	
CHIEF ENG/ARCH	
CORRECTIONS	
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p>	
<p>P-816 STEAM DECENTRALIZATION B-11 STEAM PIT DEMOLITION</p>	
SCALE: AS NOTED	
EPROJCT NO.: 1111695	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET 80 OF 91	
MD-232	
DRAWFORM REVISION: 10 MARCH 2009	

FILE NAME: C:\pwworking\cma\0667328\0111_08_MD232.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 09, 2011 - 1:01pm USER: hennke

1

2

3

4

5

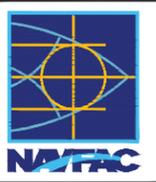


STEAM PIT 87A
NO SCALE

C4

- GENERAL NOTES:**
1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
 2. LOCATIONS SHOWN ARE APPROXIMATE AND BASED ON EXISTING DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SITE CONDITIONS.

- DEMO WORK NOTES:**
- ① STEAM PIT 87A STRUCTURE SHALL REMAIN. STEAM AND CONDENSATE PIPING, STEAM AND CONDENSATE EQUIPMENT AND ASSOCIATED ANCILLARY EQUIPMENT SHALL BE DEMOLISHED. WHERE DEMOLITION CREATES HOLES/VOIDS IN WALL, FLOOR OR ROOF, THEY SHALL BE REPAIRED TO MATCH EXISTING SURFACE.



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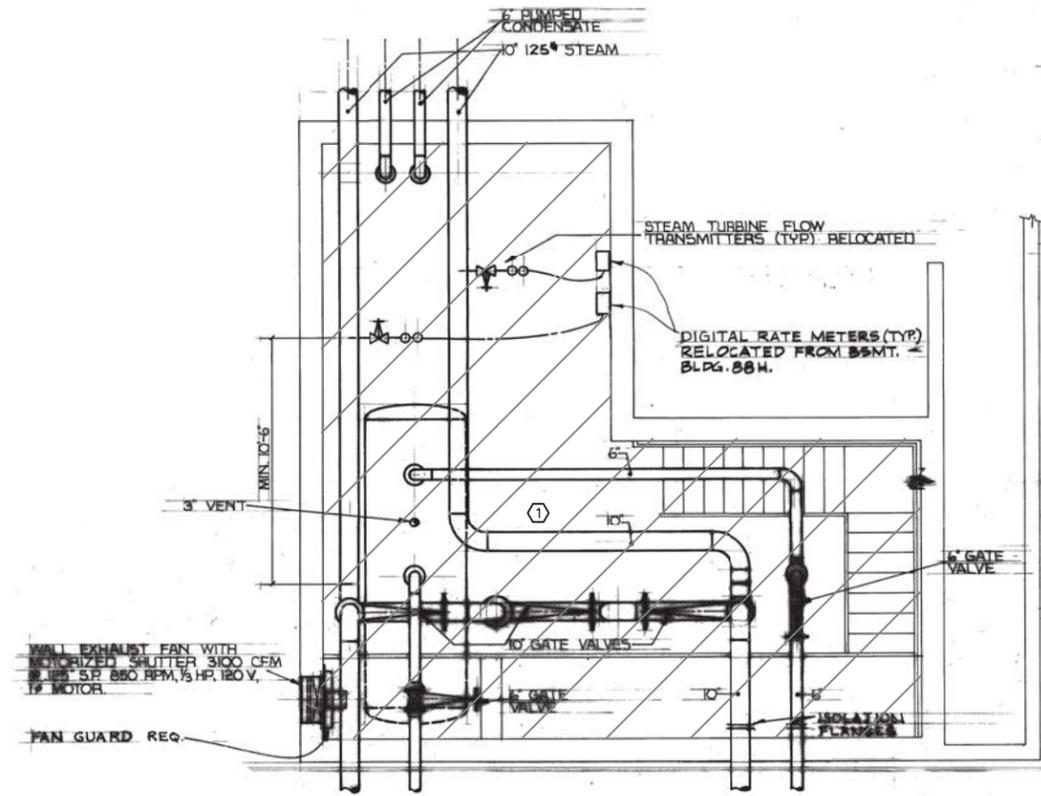


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Chicago, IL 60631 | 773.380.7900
A/E INFO

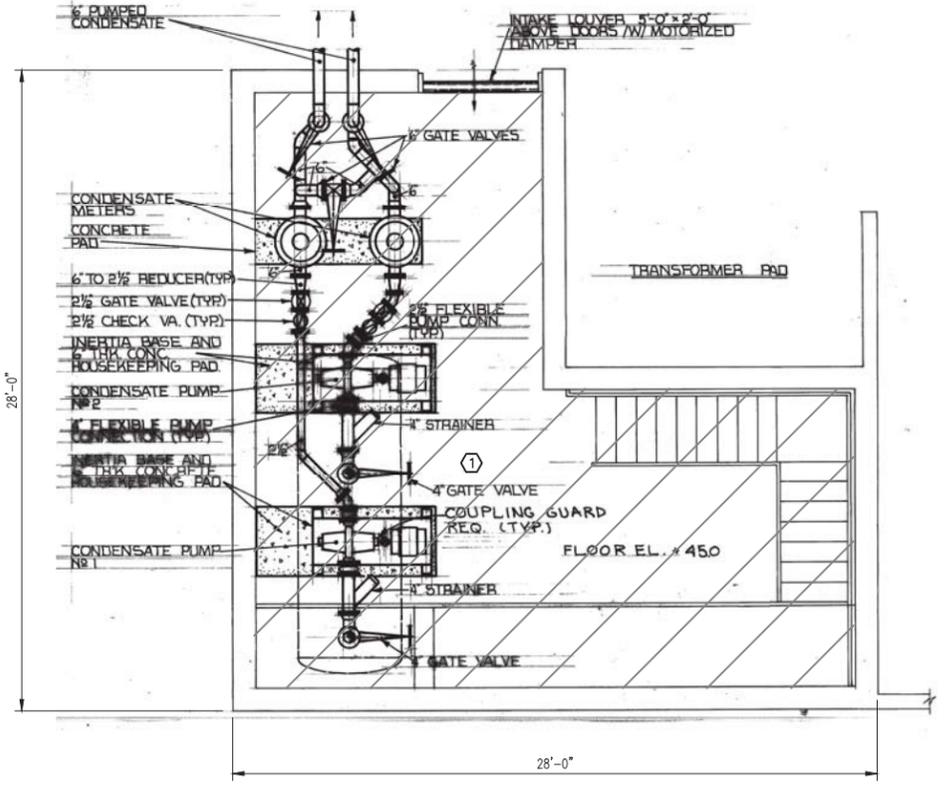
APPROVED	FOR COMMANDER NAFAC	
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
STEAM PIT 87A - DEMOLITION

SCALE:	NONE
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	83 OF 91
MD-235	
DRAWFORM REVISION: 10 MARCH 2009	



STEAM PIT 87A UPPER LEVEL PLAN
NTS PLAN NORTH



STEAM PIT 87A LOWER LEVEL PLAN
NTS PLAN NORTH

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

1

2

3

4

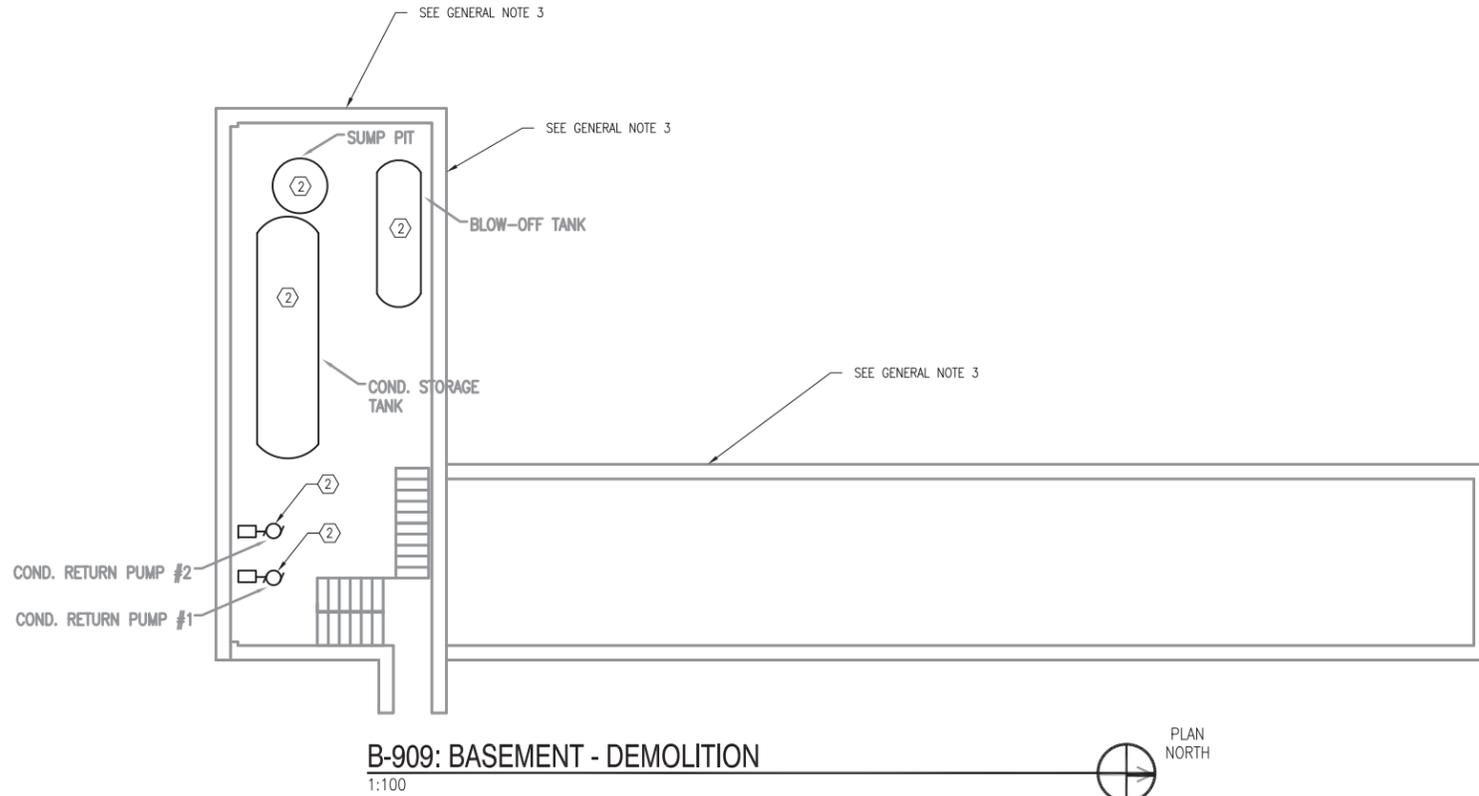
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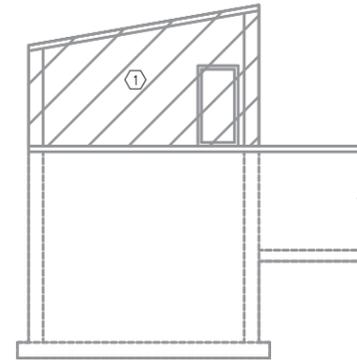
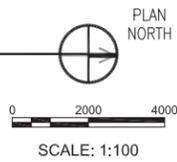
FILE NAME: P:\Credentia\MD236\2012_111685_P816_DB_Demolition\Phase 1-Demolition\A_Preliminary\B-909-0011-08-MD236.dwg LAYOUT NAME: Plot PLOTTED: Monday, March 23, 2015 - 11:23am USER: lasgma



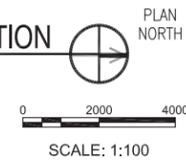
B-909: EAST ELEVATION
NTS



B-909: BASEMENT - DEMOLITION
1:100



B-909: EAST ELEVATION
1:100



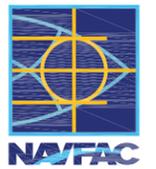
GENERAL NOTES:

1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
2. LOCATIONS SHOWN ARE APPROXIMATE AND BASED ON EXISTING DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SITE CONDITIONS.
3. WEST WALL OF THE BASEMENT IS APPROXIMATELY WITHIN 2' OF BUILDING 933. REMOVING THIS WALL MAY UNDERMINE BUILDING 933. CONTRACTOR SHALL BE RESPONSIBLE FOR INVESTIGATING AND PROVIDING SOLUTIONS.

DEMO WORK KEY NOTES:

- ① B-909 SHALL BE DEMOLISHED. DEMOLITION INCLUDE REMOVAL OF ANY EQUIPMENT LOCATED IN THE BUILDING.
- ② REMOVE ALL EQUIPMENT IAND ANCILLARY COMPONENTS IN BASEMENT.

SYN	DESCRIPTION	DATE	APPR



**PRELIMINARY
NOT FOR
CONSTRUCTION**



APPROVED		
FOR COMMANDER NAVFAC		
ACTIVITY		
SATISFACTORY TO	DATE	
DES	DRW	CHK
<<PM/DM>>		
BRANCH MANAGER		
CHIEF ENG/ARCH		
<<DD>>		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL
P-816 STEAM DECENTRALIZATION B-11
B-909 - DEMOLITION

SCALE:	AS NOTED
PROJECT NO.:	111685
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	84 OF 91
MD-236	
DRAWFORM REVISION: 10 MARCH 2009	

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

1 2 3 4 5

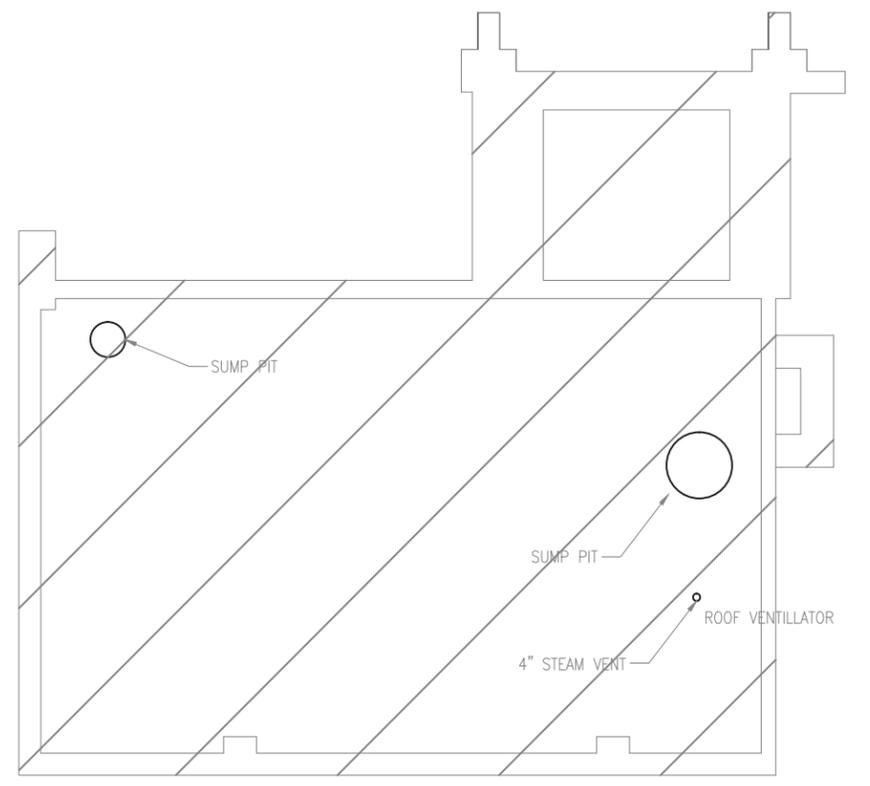


- GENERAL NOTES:**
1. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
 2. LOCATIONS SHOWN ARE APPROXIMATE AND BASED ON EXISTING DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SITE CONDITIONS.

- DEMO WORK KEY NOTES:**
- ① THIS AREA OF B-1709 SHALL BE DEMOLISHED. DEMOLITION TO INCLUDE REMOVAL OF ALL EQUIPMENT AND ANCILLARY COMPONENTS. VOID LEFT TO BE BACK-FILLED WITH CLASS 5 AND SEEDED TO MATCH EXISTING GRADE.

B-1709: EAST ELEVATION
NTS

PLAN NORTH

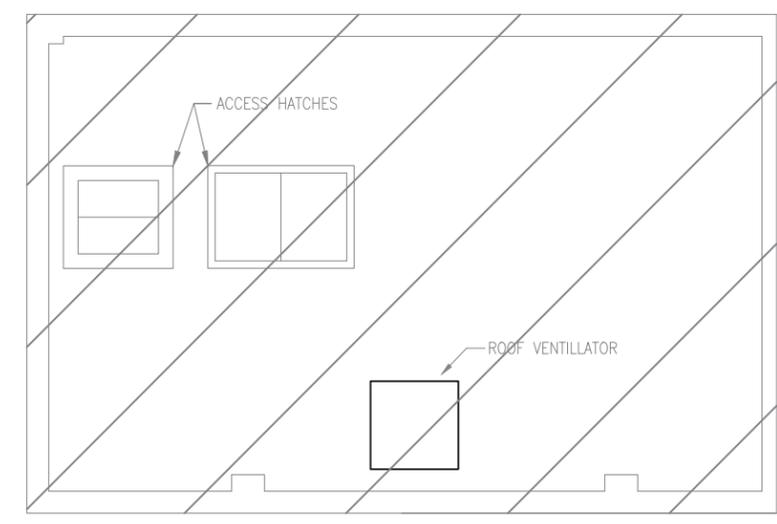


B-1709: BASEMENT - DEMOLITION
1:50

PLAN NORTH

0 500 1000 2000

SCALE: 1:50



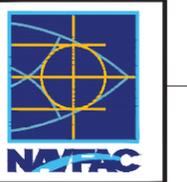
B-1709: FIRST FLOOR - DEMOLITION
1:50

PLAN NORTH

0 500 1000 2000

SCALE: 1:50

APPR	DATE	DESCRIPTION	SYN



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APPROVED		
FOR COMMANDER NAFAC		
ACTIVITY		
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BRANCH MANAGER		
CHIEF ENG/ARCH		
<<ODD>>		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS DEPARTMENT
NAVAL STATION GREAT LAKES
GREAT LAKES, IL

P-816 STEAM DECENTRALIZATION B-11

B-1709 - DEMOLITION

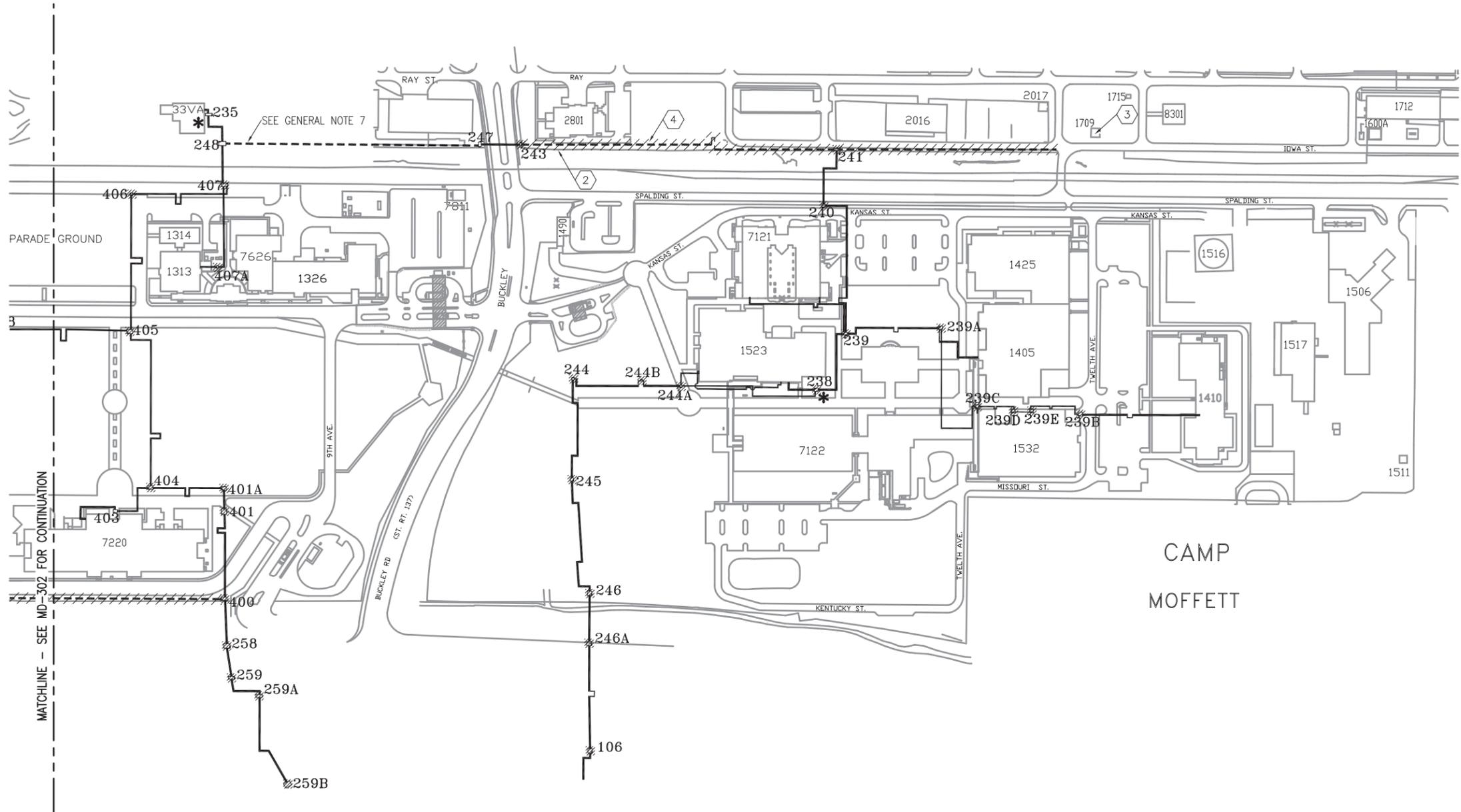
SCALE:	AS NOTED
PROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	85 OF 91
MD-237	
DRAWFORM REVISION: 10 MARCH 2009	

CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

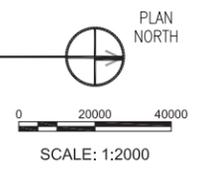
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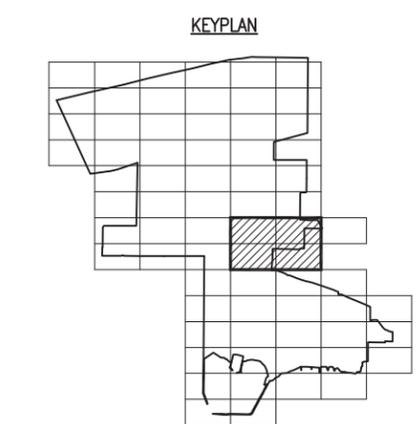
FILE NAME: P:\Credentia\WILCON\2012_1111695_P816_DB_DecentralizeSteamSystem\1-816 Steam De-centralization-Phase 1-Demolition\A_Preliminary\816-1111695-0011-08-MD302.dwg LAYOUT NAME: Plot PLOTTED: Thursday, February 05, 2015 - 9:08am USER: fca.gmz



SITE PIPING - PARTIAL PLAN
1:2000



- LEGEND**
- INDICATES UNDERGROUND STEAM AND CONDENSATE PIPING
 - - - INDICATES ABOVE GROUND STEAM AND CONDENSATE PIPING
 - ////// INDICATES ABOVE GROUND STEAM AND CONDENSATE PIPING TO BE DEMOLISHED
 - XXX INDICATES STEAM PIT TO BE DEMOLISHED

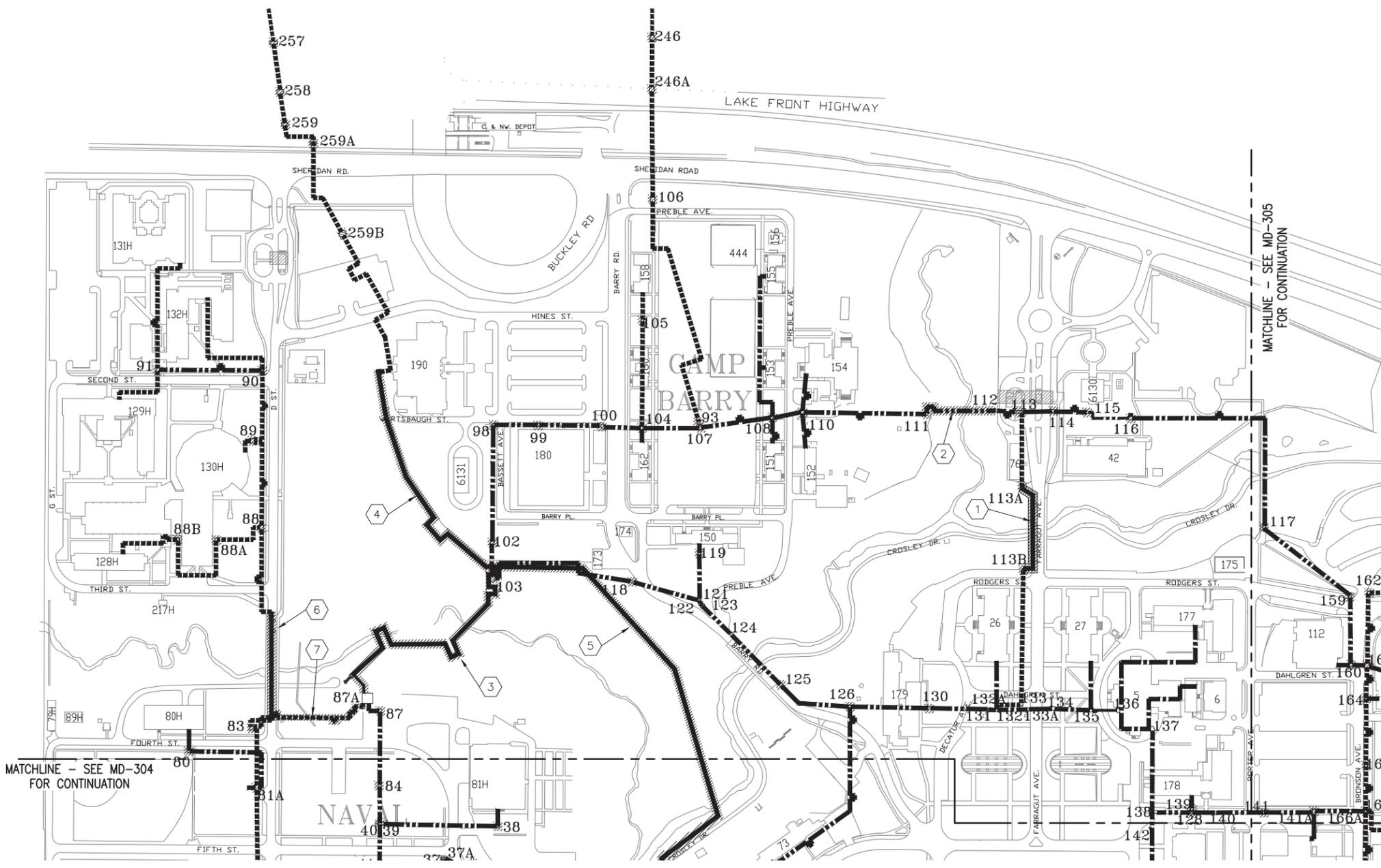


- GENERAL NOTES:**
1. DIRECT BURIED PIPING TO BE ABANDONED IN PLACE.
 2. SITE DISTRIBUTION DEMOLITION DRAWINGS UTILIZE NAVY PUBLIC WORKS DRAWING NUMBERS GL-10-9601 AND GL-10-9602 AS REFERENCE FOR THE SITE DISTRIBUTION SYSTEM.
 3. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
 4. REFER TO PART 6 FOR STEAM AND CONDENSATE PIPE SIZES AND ESTIMATED LENGTHS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF LENGTHS AND QUANTITIES.
 5. REFER TO MD-200 SERIES DRAWINGS FOR ADDITIONAL INFORMATION ON STEAM PITS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF INFORMATION.
 6. ABOVE GRADE PIPING DEMOLITION TO INCLUDE REMOVAL OF ALL STRUCTURAL STEEL SUPPORTS AND STRUCTURAL STEEL SUPPORT STRUCTURES.
 7. ABOVE GRADE STEAM AND CONDENSATE PIPING FROM STEAM PIT 247 TO PIT 248 SHALL REMAIN.
- DEMO WORK KEY NOTES:**
- ① NOT USED.
 - ② DEMOLISH ABOVE GRADE STEAM AND CONDENSATE PIPING FROM STEAM PIT 243 TO STEAM PIT 241 AND NORTH TO NEXT INTERSECTION. AT INTERSECTION WHERE PIPING GOES UNDERGROUND, DEMOLISH PIPING TO 3 FEET BELOW GRADE WHERE ALL PIPING SHALL BE CAPPED. IF THERE IS A PIT AT THAT LOCATION, PIT SHALL BE HANDLED AS PER OTHER PITS TO BE DEMOLISHED.
 - ③ B-1709 IS TO BE DEMOLISHED. REFER TO MD-237 FOR ADDITIONAL INFORMATION.
 - ④ CONCRETE PIPE SUPPORTS SHALL BE DEMOLISHED TO 3 FT BELOW GRADE. VOID LEFT BY DEMOLITION SHALL BE BACKFILLED WITH CLEAN FILL. SURFACE SHALL BE REPAIRED TO MATCH EXISTING SURROUNDING SURFACE.

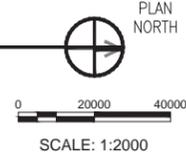
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

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	DESCRIPTION DATE APPR
PRELIMINARY NOT FOR CONSTRUCTION	
	
8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900 A/E INFO	
APPROVED: _____ FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO	DATE
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<<PM/DM>> BRANCH MANAGER CHIEF ENG/ARCH <<ODD>>	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND ~ MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11	
PARTIAL SITE PIPING PLAN - DEMOLITION	
SCALE: AS NOTED EPROJECT NO.: 1111695 CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET 87 OF 91	
MD-302	
DRAWFORM REVISION: 10 MARCH 2009	

FILE NAME: C:\pwworking\cma\0667328\0111_08_MD303.dwg LAYOUT NAME: Plot PLOTTED: Friday, November 11, 2011 - 10:58am USER: rntorral



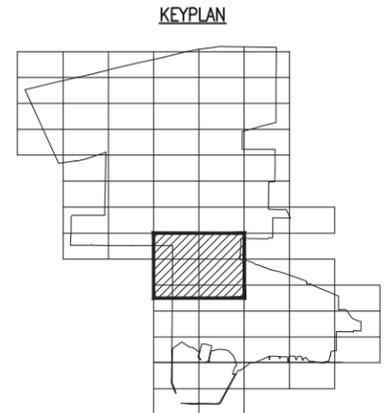
SITE PIPING - PARTIAL PLAN
1:2000



- LEGEND**
- INDICATES STEAM AND CONDENSATE PIPING ABOVE GROUND
 - INDICATES STEAM AND CONDENSATE PIPING IN PIPE CHASE
 - INDICATES STEAM AND CONDENSATE PIPING DIRECT BURIED
 - INDICATES STEAM AND CONDENSATE PIPING IN TUNNEL
 - INDICATES DEMOLITION
 - INDICATES STEAM PIT TO BE DEMOLISHED

- GENERAL NOTES:**
1. DIRECT BURIED PIPING TO BE ABANDONED IN PLACE.
 2. SITE DISTRIBUTION DEMOLITION DRAWINGS UTILIZE NAVY PUBLIC WORKS DRAWING NUMBERS GL-10-9601 AND GL-10-9602 AS REFERENCE FOR THE SITE DISTRIBUTION SYSTEM.
 3. THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
 4. REFER TO PART 6 FOR STEAM AND CONDENSATE PIPE SIZES AND ESTIMATED LENGTHS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF LENGTHS AND QUANTITIES.
 5. REFER TO MD-200 SERIES DRAWINGS FOR ADDITIONAL INFORMATION ON STEAM PITS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF INFORMATION.
 6. ABOVE GRADE PIPING DEMOLITION TO INCLUDE REMOVAL OF ALL STRUCTURAL STEEL SUPPORTS AND STRUCTURAL STEEL SUPPORT STRUCTURES.

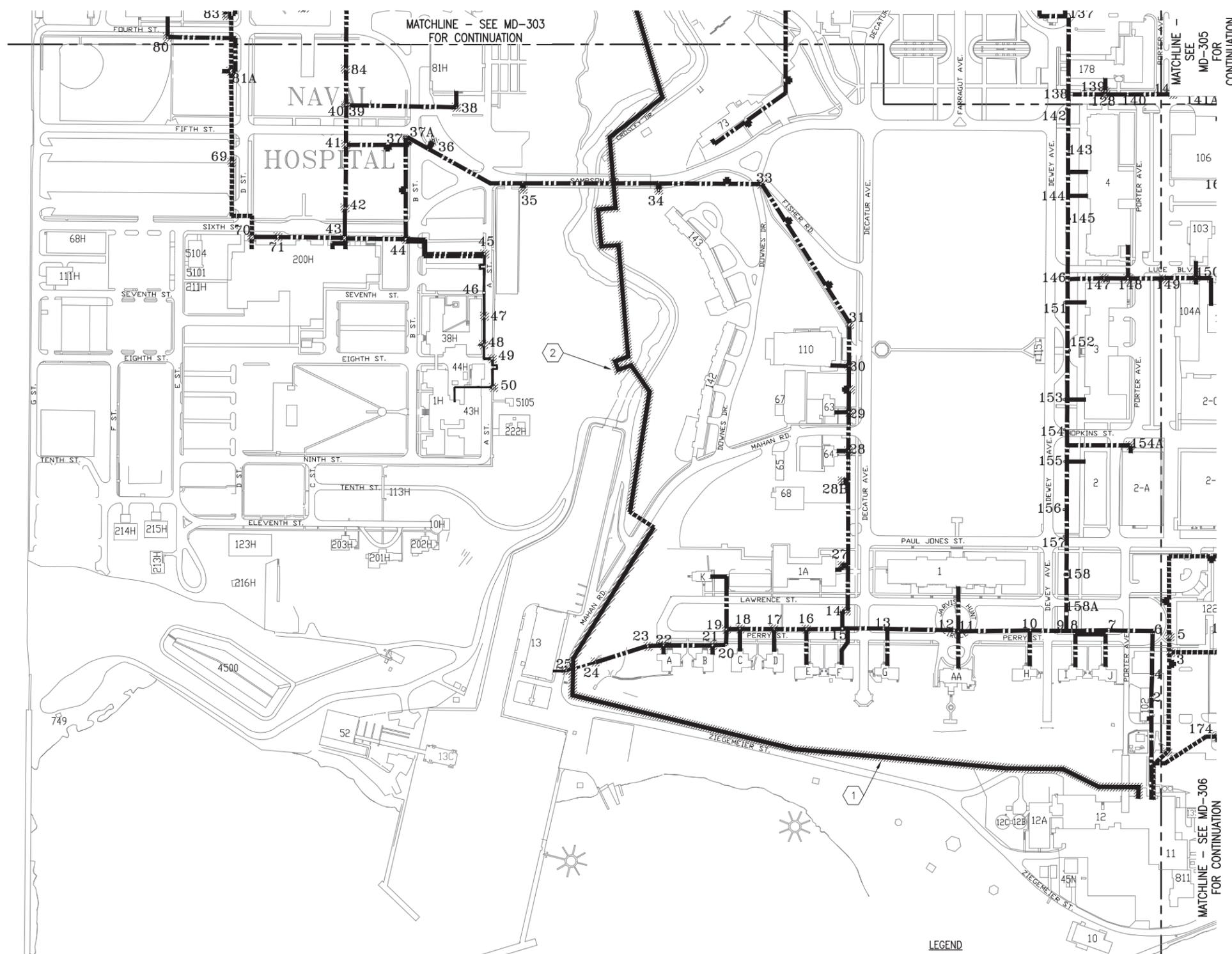
- DEMO WORK KEY NOTES:**
- ① DEMOLISH ABOVE GRADE STEAM PIPING SUPPORTED FROM BRIDGE STRUCTURE FROM STEAM PITS 113A TO 113B.
 - ② DEMOLISH ABOVE GRADE STEAM AND CONDENSATE PIPING FROM STEAM PITS 111 AND 112. DEMOLISH THE STEEL SUPPORT STRUCTURE ASSOCIATED WITH STEAM AND CONDENSATE PIPING BETWEEN STEAM PITS 111 AND 112.
 - ③ ABOVE GRADE STEAM AND CONDENSATE PIPING TO BE DEMOLISHED BETWEEN STEAM PIT 87A AND STEAM PIT 103.
 - ④ DEMOLISH ABOVE GRADE STEAM AND CONDENSATE PIPING BETWEEN STEAM PIT 103 AND BUILDING 190.
 - ⑤ DEMOLISH ABOVE GRADE STEAM AND CONDENSATE PIPING BETWEEN STEAM PIT 103 AND TO WHERE STEAM PIPING IS ROUTED UNDER MAHAN ROAD.
 - ⑥ DEMOLISH ABOVE GRADE STEAM AND CONDENSATE PIPING SUPPORTED BY D STREET BRIDGE FROM STEAM PIT 83 TO WHERE PIPING GOES BELOW GRADE ON WEST SIDE OF D STREET BRIDGE.
 - ⑦ DEMOLISH ABOVE GRADE STEAM AND CONDENSATE PIPING BETWEEN STEAM PIT 87A AND D STREET BRIDGE.



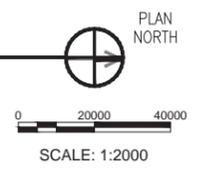
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p> <p>SCALE: AS NOTED PROJECT NO.: 1111695 CONSTR. CONTR. NO. NAVFAC DRAWING NO. SHEET 88 OF 91 MD-303 DRAWFORM REVISION: 10 MARCH 2009</p>	<p>FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES: _____ DRAW: _____ CHK: _____ BRANCH MANAGER CHIEF ENG/ARCH DATE: _____ BY: _____</p> <p>FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES: _____ DRAW: _____ CHK: _____ BRANCH MANAGER CHIEF ENG/ARCH DATE: _____ BY: _____</p> <p>FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES: _____ DRAW: _____ CHK: _____ BRANCH MANAGER CHIEF ENG/ARCH DATE: _____ BY: _____</p>
	<p>PRELIMINARY NOT FOR CONSTRUCTION</p>
<p>HDR HDR Architecture, Inc. 8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>	<p>P-816 STEAM DECENTRALIZATION B-11 PARTIAL SITE PIPING PLAN - DEMOLITION</p>

FILE NAME: C:\pwworking\cora\d0667328\0111_08_MD304.dwg LAYOUT NAME: Plot PLOTTED: Friday, November 11, 2011 - 10:59am USER: rntorral



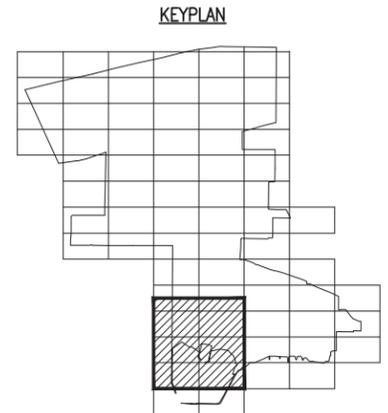
SITE PIPING - PARTIAL PLAN
1:2000



- LEGEND**
- INDICATES STEAM AND CONDENSATE PIPING ABOVE GROUND
 - INDICATES STEAM AND CONDENSATE PIPING IN PIPE CHASE
 - INDICATES STEAM AND CONDENSATE PIPING DIRECT BURIED
 - INDICATES STEAM AND CONDENSATE PIPING IN TUNNEL
 - INDICATES DEMOLITION
 - INDICATES STEAM PIT TO BE DEMOLISHED

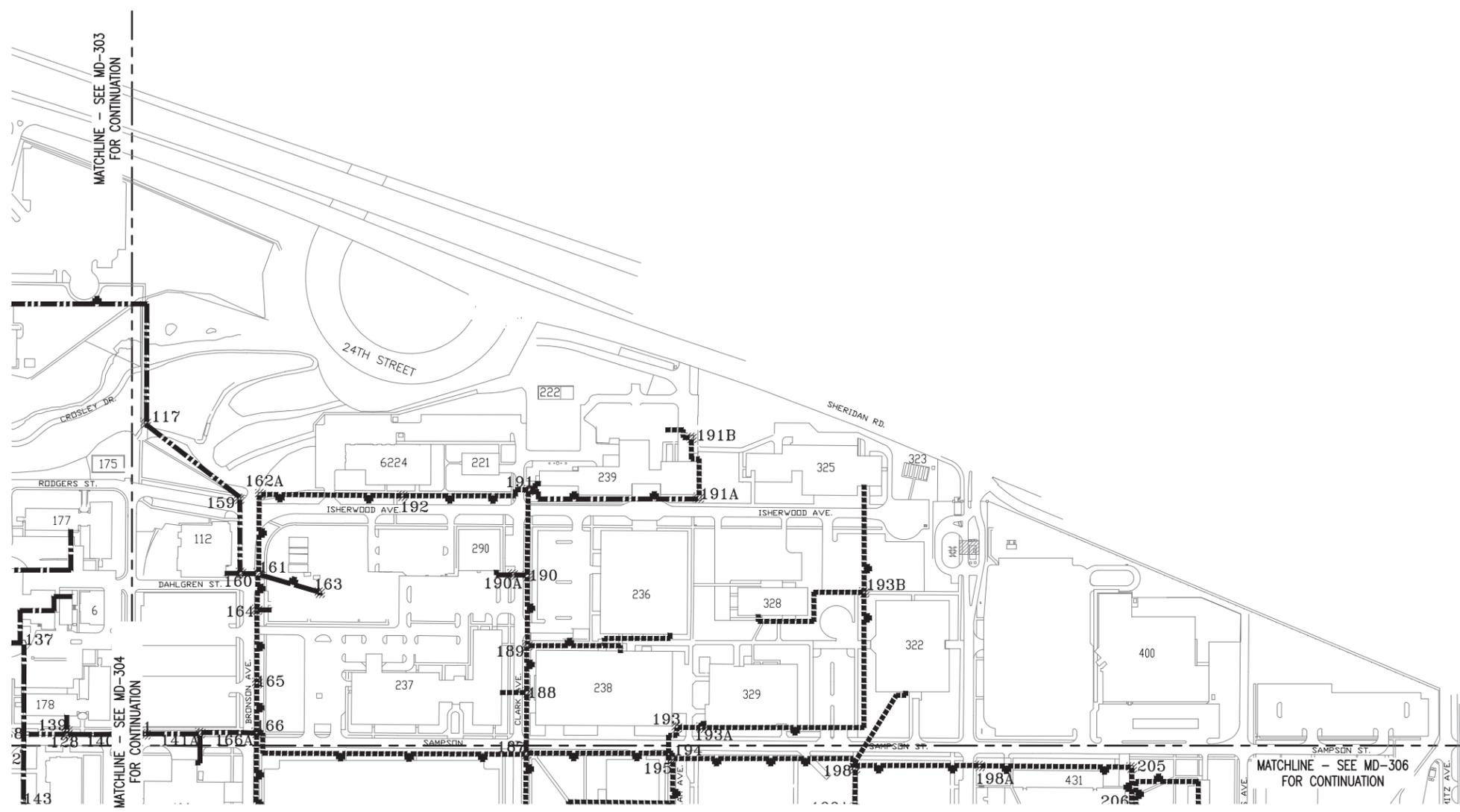
- GENERAL NOTES:**
- DIRECT BURIED PIPING TO BE ABANDONED IN PLACE.
 - SITE DISTRIBUTION DEMOLITION DRAWINGS UTILIZE NAVY PUBLIC WORKS DRAWING NUMBERS GL-10-9601 AND GL-10-9602 AS REFERENCE FOR THE SITE DISTRIBUTION SYSTEM.
 - THESE DRAWINGS SUPPORT THE WRITTEN RFP DOCUMENTS FOR THIS PROJECT. DRAWINGS ARE INTENDED TO SUPPLEMENT CRITERIA INFORMATION AND ARE ILLUSTRATIVE IN NATURE. LIFE SAFETY INFORMATION PROVIDED INCLUDING FIRE RESISTANCE RATINGS OF EXISTING AND NEW CONSTRUCTION REFLECTS PRELIMINARY UNDERSTANDING AND IS NOT CONCLUSIVE. THE DESIGN-BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION OF BUILDING COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS.
 - REFER TO PART 6 FOR STEAM AND CONDENSATE PIPE SIZES AND ESTIMATED LENGTHS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF LENGTHS AND QUANTITIES.
 - REFER TO MD-200 SERIES DRAWINGS FOR ADDITIONAL INFORMATION ON STEAM PITS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF INFORMATION.
 - ABOVE GRADE PIPING DEMOLITION TO INCLUDE REMOVAL OF ALL STRUCTURAL STEEL SUPPORTS AND STUCTURAL STEEL SUPPORT STRUCTURES.

- DEMO WORK KEY NOTES:**
- DEMOLISH ABOVE GRADE STEAM AND CONDENSATE PIPING FROM B-11 TO WHERE STEAM PIPING IS ROUTED UNDER MAHAN ROAD.
 - DEMOLISH ABOVE GRADE STEAM AND CONDENSATE PIPING BETWEEN STEAM PIT 103 AND TO WHERE STEAM PIPING IS ROUTED UNDER MAHAN ROAD.

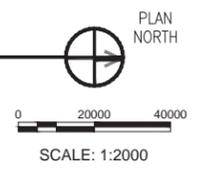


CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

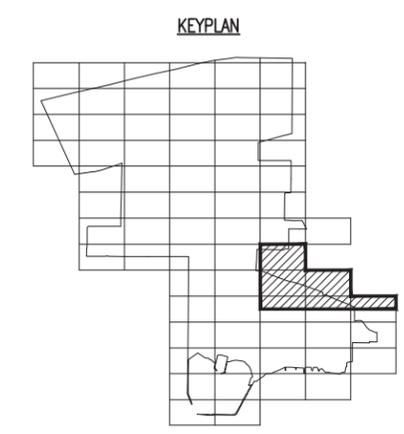
DATE	APPR
DESCRIPTION	SW
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	
<p>850 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>	
APPROVED	DATE
FOR COMMANDER NIFAC	
ACTIVITY	
SATISFACTORY TO DATE	
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CHIEF ENG/ARCH	
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - MIDWEST PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p>	
<p>P-816 STEAM DECENTRALIZATION B-11</p>	
<p>PARTIAL SITE PIPING PLAN - DEMOLITION</p>	
SCALE:	1:200
EPROJECT NO.:	1111695
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	89 OF 91
<p>MD-304</p>	
<p>DRAWFORM REVISION: 10 MARCH 2009</p>	



SITE PIPING - PARTIAL PLAN
1:2000



- LEGEND**
- INDICATES STEAM AND CONDENSATE PIPING ABOVE GROUND
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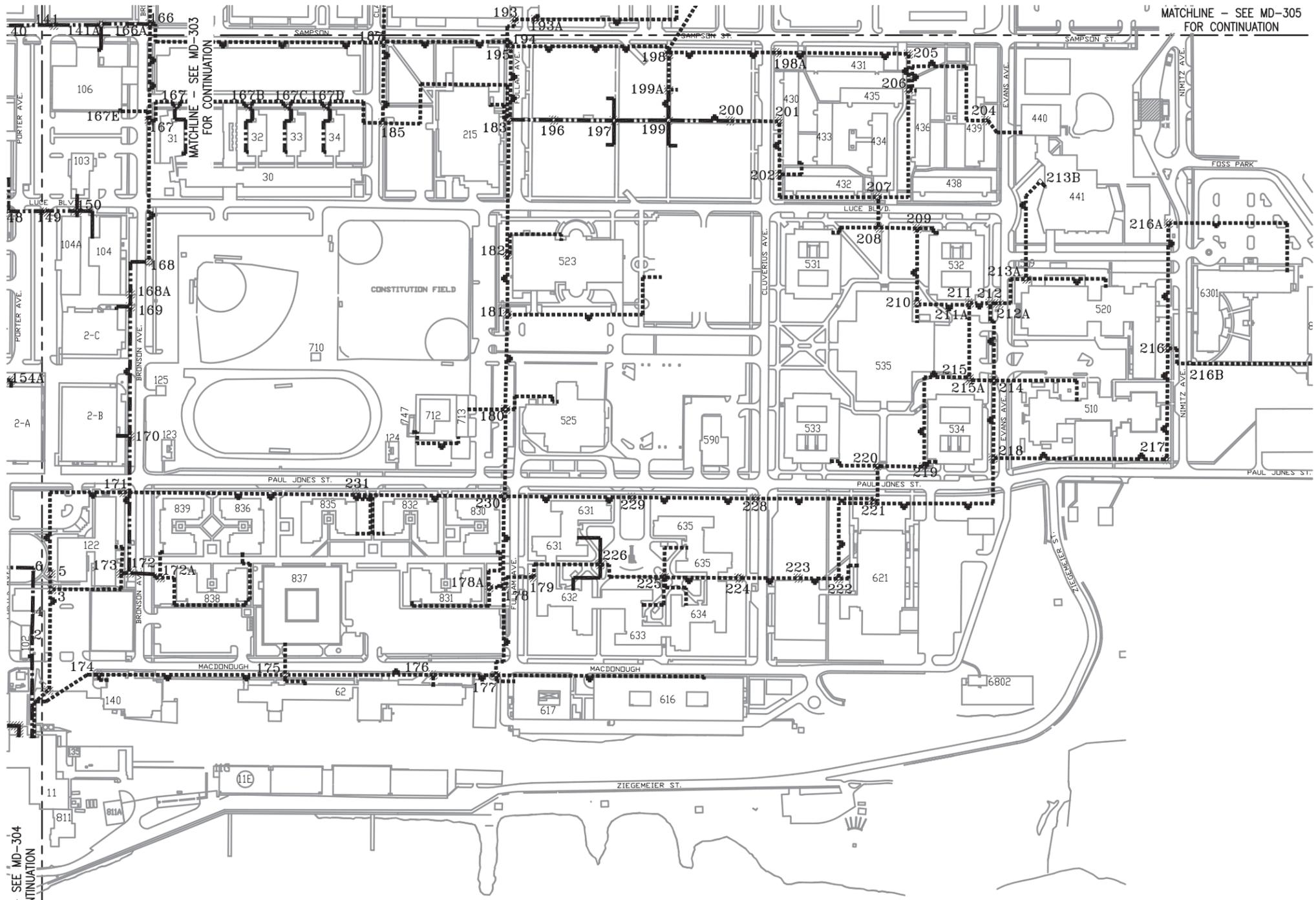
- GENERAL NOTES:**
1. DIRECT BURIED PIPING TO BE ABANDONED IN PLACE.
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 6. ABOVE GRADE PIPING DEMOLITION TO INCLUDE REMOVAL OF ALL STRUCTURAL STEEL SUPPORTS AND STUCTURAL STEEL SUPPORT STRUCTURES.

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PRELIMINARY NOT FOR CONSTRUCTION	
8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
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CHIEF ENG/ARCH	
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DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL	
P-816 STEAM DECENTRALIZATION B-11	
PARTIAL SITE PIPING PLAN - DEMOLITION	
SCALE: AS NOTED EPROJCT NO.: 1111695 CONSTR. CONTR. NO. NAVFAC DRAWING NO.	
SHEET 90 OF 91	
MD-305	
DRAWFORM REVISION: 10 MARCH 2009	

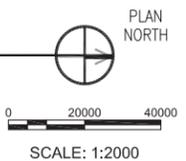
CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

FILE NAME: C:\pwworking\cora\d0667328\0111_08_MD305.dwg LAYOUT NAME: Plot PLOTTED: Wednesday, November 08, 2011 - 1:03pm USER: Bernke

FILE NAME: P:\Credentia\WILCON\2012_111695_P816_DB_Demolition\Phase 1\Demolition\PreDesign\816-111695-0011-08-MD305.dwg LAYOUT NAME: Plot PLOTTED: Thursday, February 05, 2015 - 9:20am USER: isa.gmaz

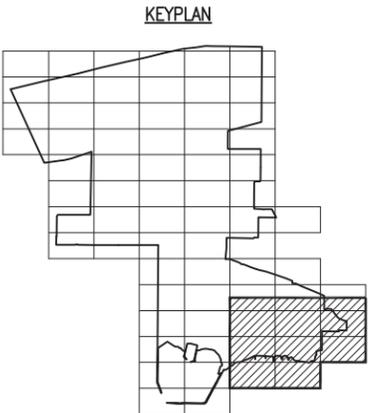


SITE PIPING - PARTIAL PLAN
1:2000



- LEGEND**
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 - - - INDICATES STEAM AND CONDENSATE PIPING IN PIPE CHASE
 - · · · · INDICATES STEAM AND CONDENSATE PIPING DIRECT BURIED
 - · - · - INDICATES STEAM AND CONDENSATE PIPING IN TUNNEL
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 5. REFER TO MD-200 SERIES DRAWINGS FOR ADDITIONAL INFORMATION ON STEAM PITS. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF INFORMATION.
 6. ABOVE GRADE PIPING DEMOLITION TO INCLUDE REMOVAL OF ALL STRUCTURAL STEEL SUPPORTS AND STRUCTURAL STEEL SUPPORT STRUCTURES.
 7. STEAM PIT 216B SHALL REMAIN. REMOVE ASBESTOS IF PRESENT BUT PIPING TO REMAIN



CONCEPTUAL ONLY. DESIGN BUILD CONTRACTOR RESPONSIBLE FOR ALL ASPECTS OF DESIGN.

<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS DEPARTMENT NAVAL STATION GREAT LAKES GREAT LAKES, IL</p> <p>NAVAL FACILITIES ENGINEERING COMMAND MIDWEST NSCL GREAT LAKES, IL GREAT LAKES, IL</p> <p>P-816 STEAM DECENTRALIZATION B-11</p> <p>PARTIAL SITE PIPING PLAN - DEMOLITION</p>	<p>SCALE: AS NOTED PROJECT NO.: 1111695 CONSTR. CONTR. NO. NAVFAC DRAWING NO. SHEET 91 OF 91 DRAWFORM REVISION: 10 MARCH 2009</p> <p>APPROVED: _____ FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO: _____ DES: _____ DATE: _____ CHK: _____ <<PM/DM>> BRANCH MANAGER CHIEF ENG/ARCH <<DD>></p>
	<p>HDR HDR Architecture, Inc. 8550 West Bryn Mawr Ave Suite 900 Chicago, IL 60631 773.380.7900</p>
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	<p>APPROVED: _____ DATE: _____</p>