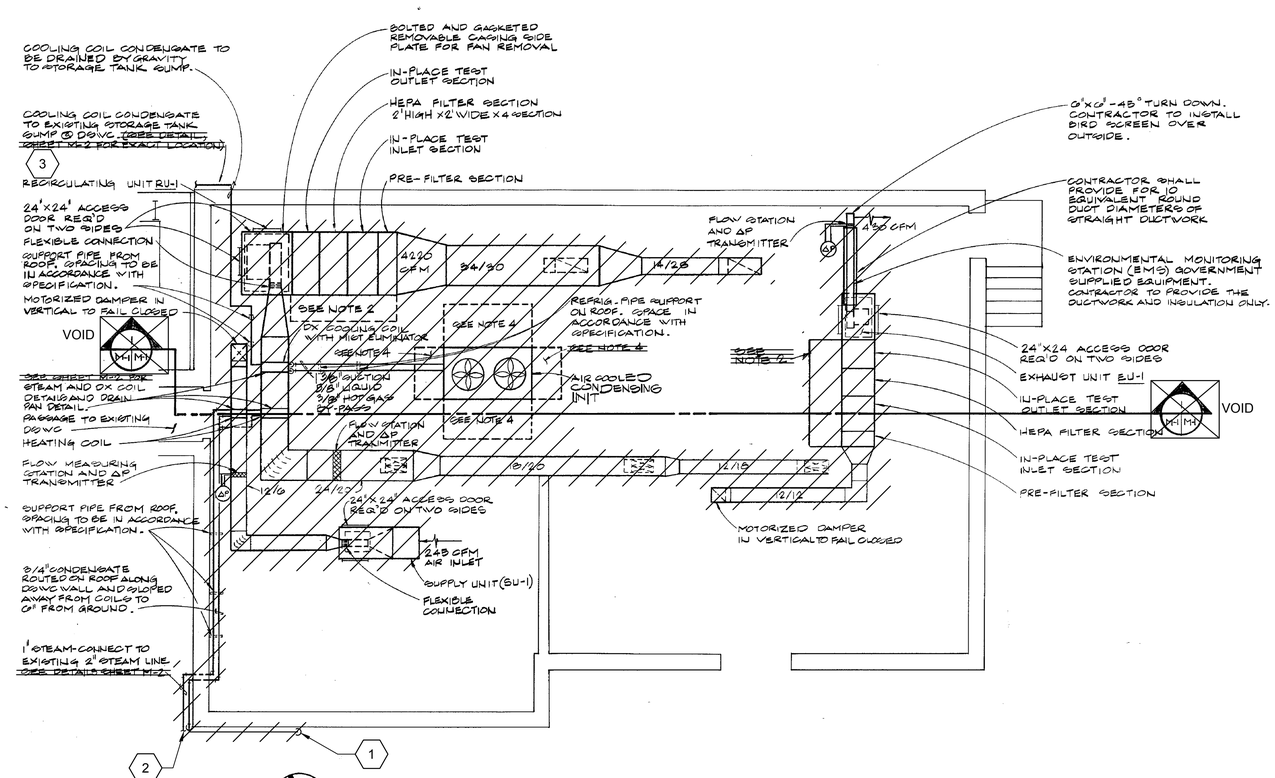
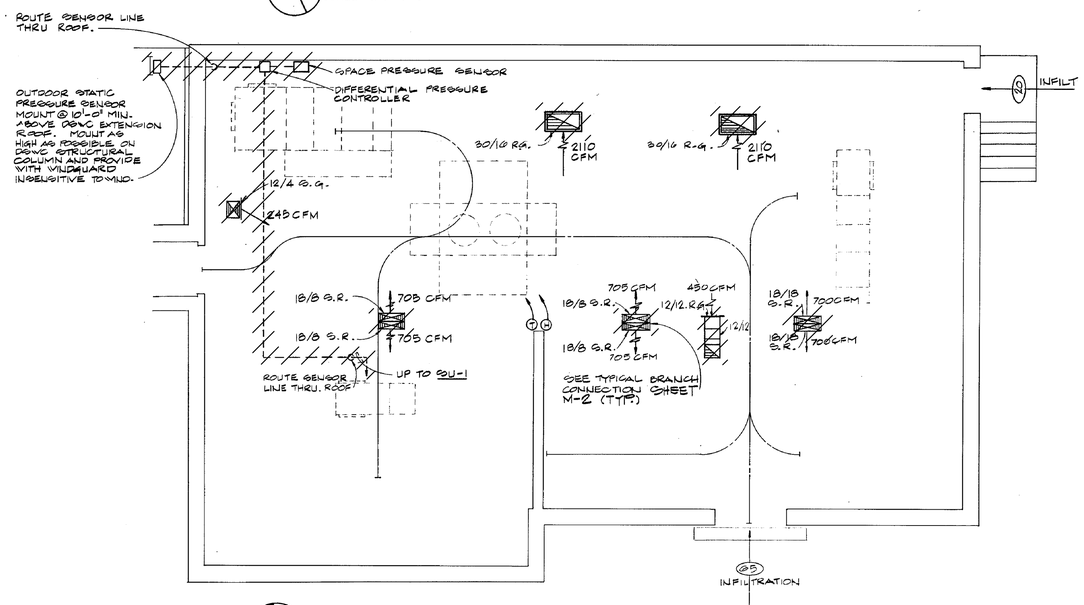


MECHANICAL - ROOF PLAN
SCALE: 1/4"=1'-0"



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

BUILDING 1568 DEMOLITION - HVAC
NOT TO SCALE

KEYED NOTES:

1. DEMO CONDENSATE LINE TO 1'-0" BELOW PAVED SLAB. FILL ABANDONED LINE TO STORM GRATE WITH GROUT.
2. DEMO BACK TO BUILDING 1475 MECHANICAL ROOM. SEE STEAM FLOW DIAGRAM FOR CONT.
3. SEE DETAIL A2 ON SHEET MD302 FOR CONDENSATE EQUIPMENT AND PIPING DEMO DETAIL.

MECHANICAL LEGEND

- SUPPLY AIR DUCTWORK
- RETURN OR EXHAUST AIR DUCTWORK
- ELBOW WITH TURNING VANES
- GLOBE VALVE
- GATE VALVE
- PRESSURE GAGE WITH SNUBBER AND
- THERMOMETER WITH GAGE COCK
- STRAINER WITH BLOW OFF VALVE A
- GAGE COCK
- FLEXIBLE CONNECTION
- UNION
- (T) THERMOSTAT
- (H) HUMIDISTAT
- LOW PRESSURE STEAM
- LOW PRESSURE CONDENSATE
- —CA— COMPRESSED AIR PIPING
- COMPRESSED AIR CONNECTION
- —B— BREATHING AIR PIPING
- (B) BREATHING AIR CONNECTION
- (100) AIR FLOW IN CFM
- FLOW DIRECTION
- MOTOR OPERATED DAMPER
- EQUIPMENT AND MATERIALS TO BE DEMOLISHED AND REMOVED FROM CONSTRUCTION SITE BY CONTRACTOR. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

APPR	DATE	DESCRIPTION	SYM

NAVFAC

JOHN J. McCLUSKEY LICENSED 21764 KANSAS PROFESSIONAL ENGINEER
3-17-16

Burns & McDonnell SINCE 1898

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY
D.W. HARRIS
3/22/16
SATISFACTORY TO DATE

DES	JJM	DRW	BDV	CHK	RGH

PM John A. Moore, R.A.
BRANCH MANAGER TLH
CHIEF ENG/ARCH
DATE 03/16/2016

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HAMPTON ROADS IPT
NORFOLK NAVAL SHIPYARD

NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC
NORFOLK, VIRGINIA

PORTSMOUTH, VIRGINIA

BUILDING DEMO: 1568, DWC, PART 1475

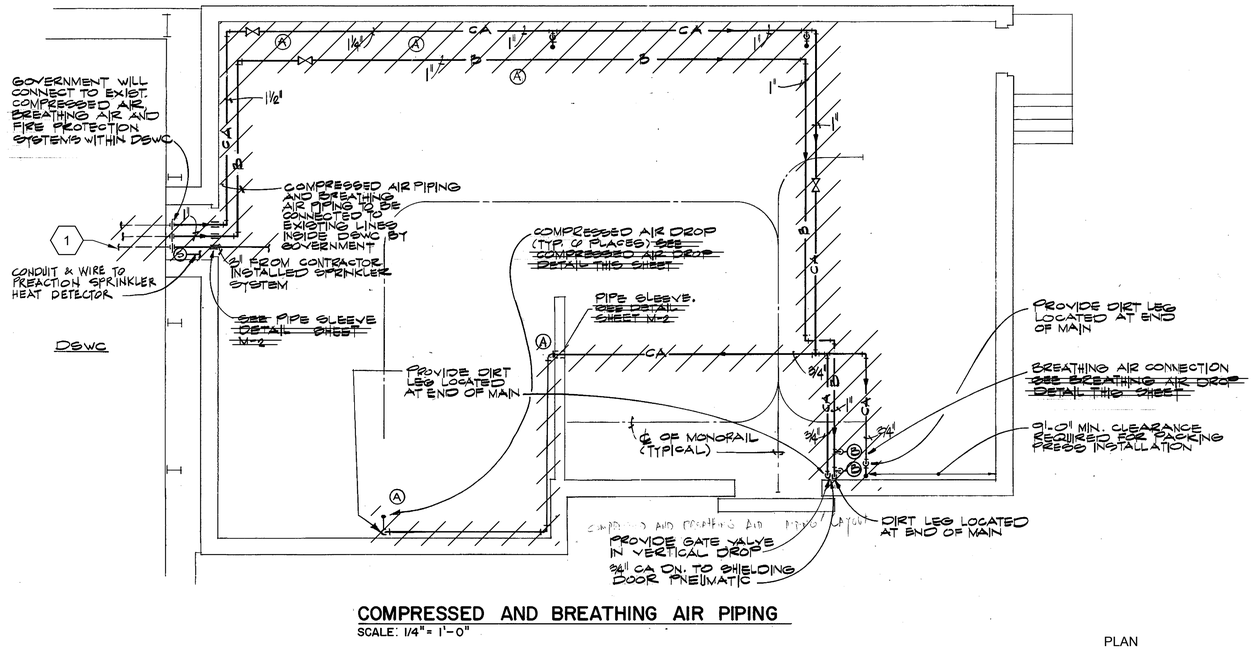
BUILDING 1568 DEMOLITION - HVAC

SCALE: AS SHOWN
EPROJECT NO.: 568932
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12605417
SHEET 21 OF 55

MD101

DRAWFORM REVISION: 10 MARCH 2009

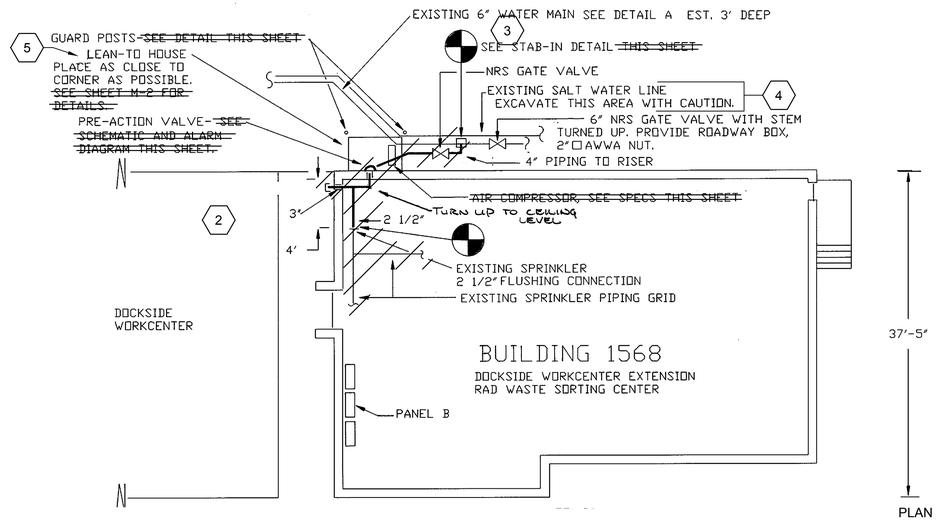
FILE NAME: J:\NNSYCIF\54018_CIF Final Design Contract\04_CADD\NNSYCIF Controlled Industrial Facility\Sheets\Mechanical\P383DEMO-568932-MD101.dwg LAYOUT NAME: P383DEMO-568932-MD101



COMPRESSED AND BREATHING AIR PIPING
SCALE: 1/4" = 1'-0"

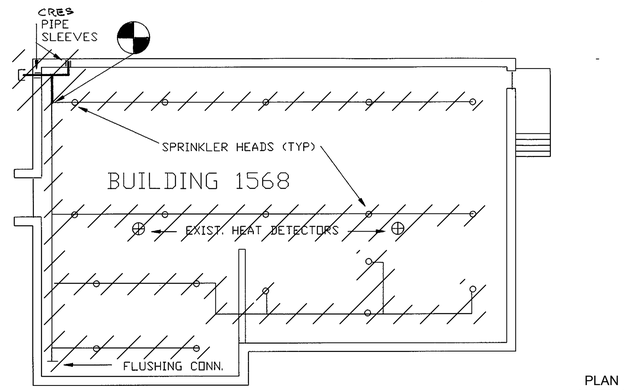
COMPRESSED AND BREATHING AIR DEMO
NOT TO SCALE

PLAN NORTH



FIRE WATER DEMO
NOT TO SCALE

PLAN NORTH



FIRE SPRINKLER LINE DEMO
NOT TO SCALE

PLAN NORTH

KEYED NOTES:

1. SEE SHEET MD104 FOR YARD AIR (YA) DEMOLITION PLAN FOR BUILDING 1568, SHOWN AS COMPRESSED AIR (CA) ON THIS SHEET.
2. FOR DEMO CONTINUATION, SEE SHEET MD104 - DWC FIRE WATER DEMO.
3. SEE STAB-IN DETAIL C4, SHEET MD302.
4. EXISTING SALT WATER LINE, EXCAVATE THIS AREA WITH CAUTION.
5. SEE DETAIL A4 ON SHEET MD302 FOR DEMO OF EQUIPMENT AND PIPING IN LEAN-TO HOUSE.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

JOHN J. McCLUSKEY LICENSED 21764 KANSAS PROFESSIONAL ENGINEER
3-17-16

Burns & McDonnell SINCE 1898

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JJM | DRW BDV | CHK RGH

PM John A. Moore, R.A.

BRANCH MANAGER TJH

CHIEF ENG/ARCH

DATE 03/16/2016

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC
HAMPTON ROADS IPT
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NORFOLK NAVAL SHIPYARD
PORTSMOUTH, VIRGINIA

BUILDING DEMO: 1568, DWC, PART 1475

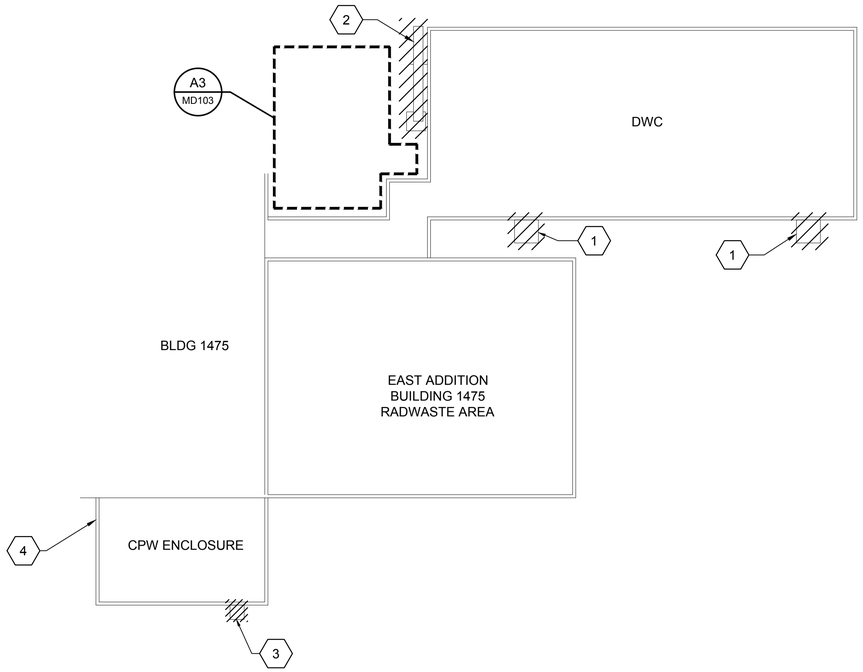
BUILDING 1568 DEMOLITION - PIPING

SCALE: AS SHOWN
EPROJECT NO.: 568932
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12605418
SHEET 22 OF 55

MD102

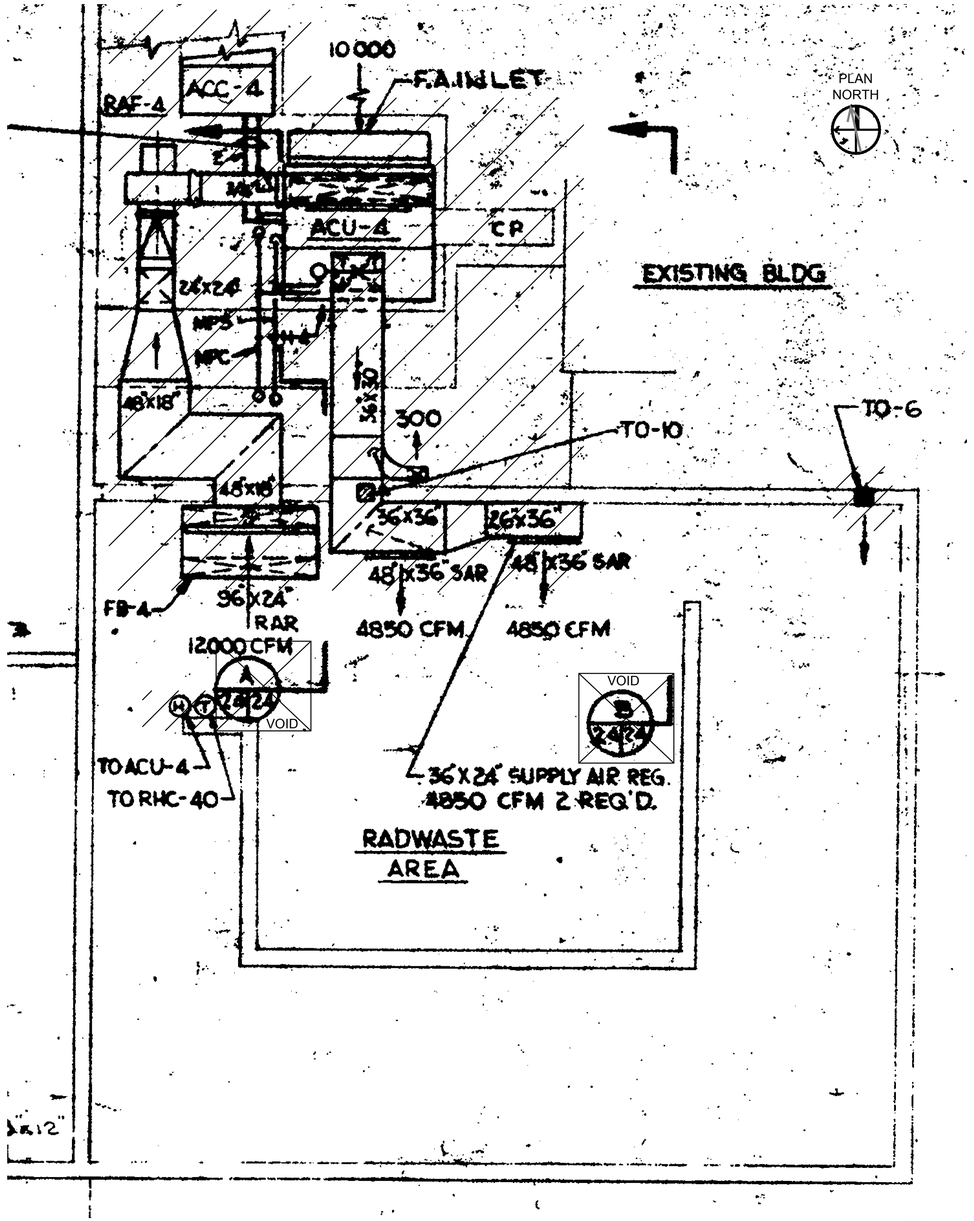
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: J:\NNSY\CIF\94018_CIF Final Design Contract\04_CADD\NNSY\CIF Controlled Industrial Facility\Sheets\Mechanical\P383DEMO-568932-MD102.dwg LAYOUT NAME: P383DEMO-568932-MD102



DWC AND BUILDING 1475 PARTIAL DEMOLITION - HVAC

NOT TO SCALE



DETAIL

NOT TO SCALE

MD103 A3

KEYED NOTES:

1. DEMO VENTILATION AIR UNITS. SEE PHOTOS, SHEET MD901.
2. DEMO EXHAUST FAN AND DUCT. SEE PHOTO, SHEET MD901.
3. DEMO WINDOW AIR CONDITIONING UNIT.
4. RE-ROUTE DUCT TO REMAIN. SEE PHOTO, SHEET MD901.

APPR | DATE | SYM | DESCRIPTION

NAVFAC

JOHN J. McCLUSKEY LICENSED 21764 KANSAS PROFESSIONAL ENGINEER 3-17-16

Burns & McDonnell SINCE 1898

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JJM | DRW BDV | CHK RGH

PM John A. Moore, R.A.

BRANCH MANAGER TJH

CHIEF ENG/ARCH

DATE 03/16/2016

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HAMPTON ROADS IPT
NORFOLK NAVAL SHIPYARD

NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC
NORFOLK, VIRGINIA

PORTSMOUTH, VIRGINIA

BUILDING DEMO: 1568, DWC, PART 1475

DSWC AND BUILDING 1475 PARTIAL DEMOLITION - HVAC

SCALE: AS SHOWN

EPROJECT NO.: 568932

CONSTR. CONTR. NO.

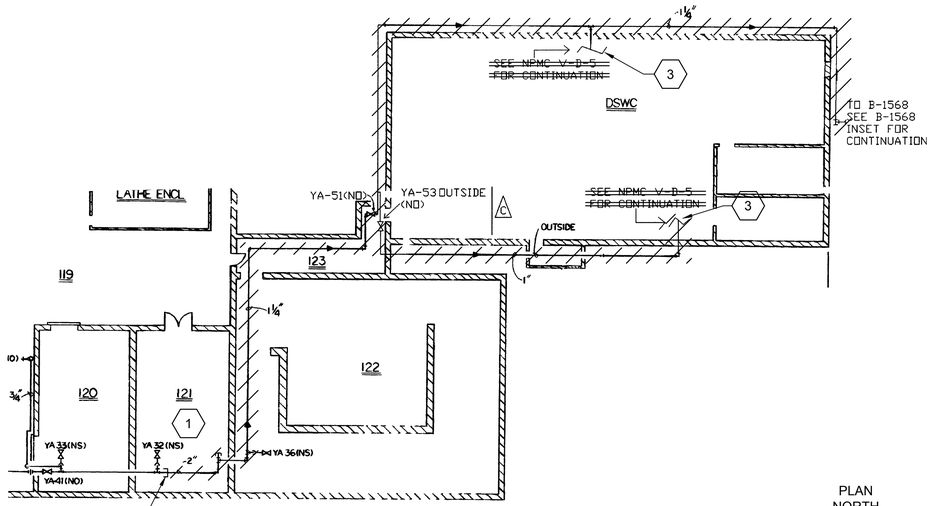
NAVFAC DRAWING NO. 12605419

SHEET 23 OF 55

MD103

DRAWFORM REVISION: 10 MARCH 2009

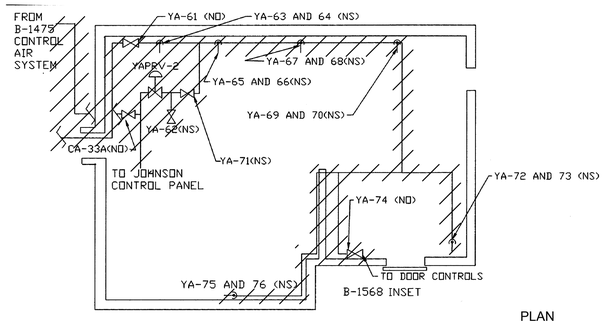
FILE NAME: J:\NNSY\CIF\54918_CIF Final Design Contract\04_CADD\NNSY\CIF Controlled Industrial Facility\Sheets\Mechanical\P383DEMO-568932-MD103.dwg LAYOUT NAME: P383DEMO-568932-MD103 PLOTTED: Wednesday, March 16, 2016 - 1:23pm USER: janaya



PLAN NORTH

PARTIAL B-1475 AND DWC YARD AIR DEMO

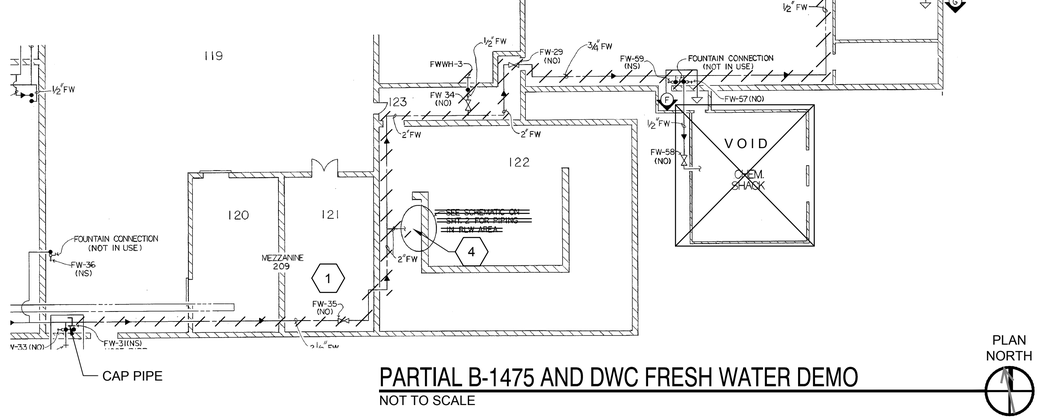
NOT TO SCALE



PLAN NORTH

B-1568 YARD AIR DEMO

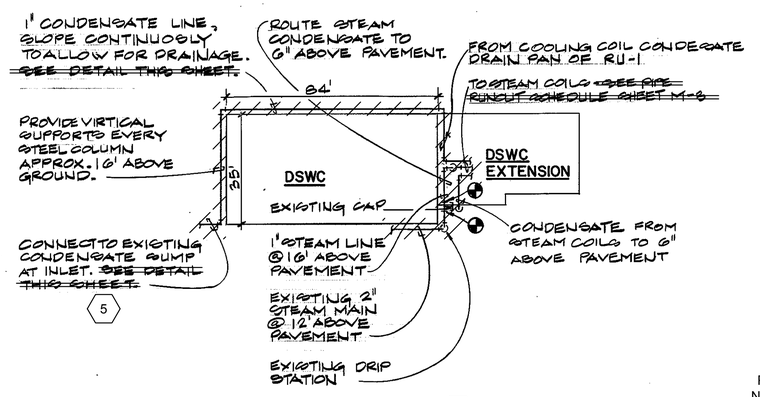
NOT TO SCALE



PLAN NORTH

PARTIAL B-1475 AND DWC FRESH WATER DEMO

NOT TO SCALE

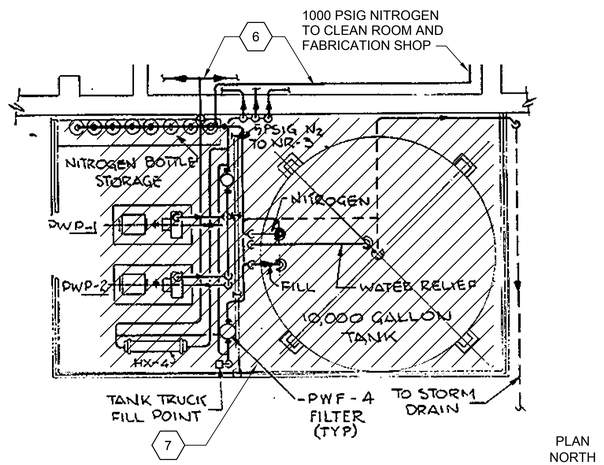


PLAN NORTH

DWC AND B-1568 CONDENSATE DEMO

2

NOT TO SCALE



PLAN NORTH

BUILDING 1475 CONTROLLED PURE WATER DEMO

NOT TO SCALE

KEYED NOTES:

1. ACCESS TO THIS AREA IS RESTRICTED, COORDINATE DEMOLITION WITH GOVERNMENT.
2. REFER TO SHEET MD301 FOR STEAM AND CONDENSATE PARTIAL DEMOLITION SCHEMATIC.
3. DEMOLISH ANY YARD AIR (YA) PIPING AND DROPS NOT SHOWN.
4. DEMOLISH ANY FRESH WATER (FW) PIPING NOT SHOWN.
5. SEE SHEET MD302, DETAIL A2 FOR CONDENSATE EQUIPMENT DEMO.
6. PIPING WITHIN REMAINING PORTION OF BUILDING 1475 TO BE DEMOLISHED BY GOVERNMENT.
7. REMOVE ALL CPW PIPING AND EQUIPMENT IN THE CPW ENCLOSURE. SEE DWG MD303 FOR SYSTEM SCHEMATIC.

APPR | DATE | SYM | DESCRIPTION

NAVFAC

JOHN J. McCLUSKEY LICENSED 21764 KANSAS PROFESSIONAL ENGINEER
3-17-16

Burns & McDonnell SINCE 1898

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	JJM	DRW	BDV	CHK	RGH
PM	John A. Moore, R.A.				
BRANCH MANAGER					
CHIEF ENG/ARCH					
DATE	03/16/2016				

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HAMPTON ROADS IPT
NORFOLK NAVAL SHIPYARD

NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC
NORFOLK, VIRGINIA

PORTSMOUTH, VIRGINIA

BUILDING DEMO: 1568, DWC, PART 1475

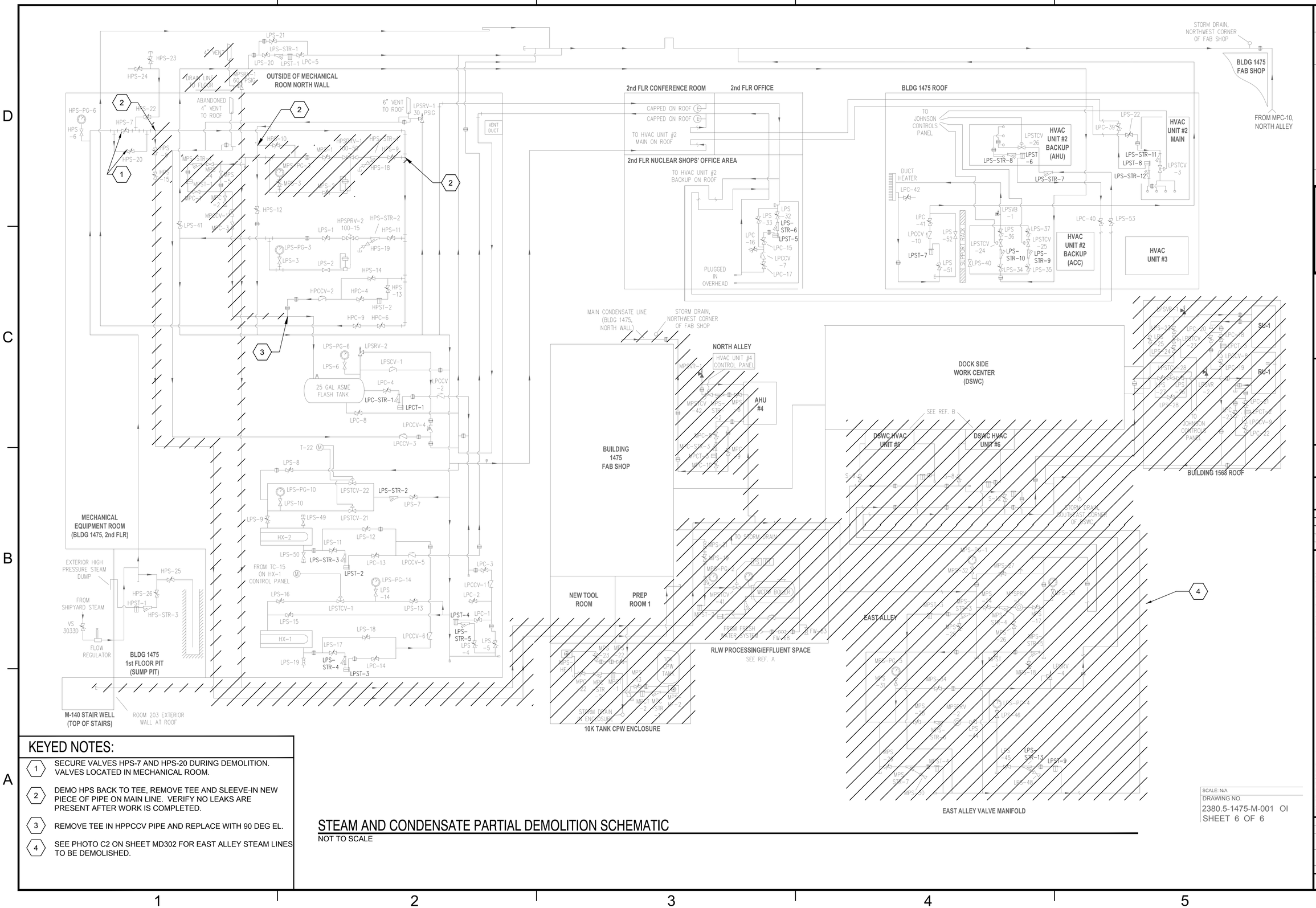
DSWC AND BUILDING 1475 PARTIAL DEMOLITION - PIPING

SCALE:	AS SHOWN
EPROJECT NO.:	568932
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12605420
SHEET	24 OF 55

MD104

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: J:\NNSY\CIF\54018_CIF Final Design Contract\04_CADD\NNSY\CIF Controlled Industrial Facility\Sheets\Mechanical\P383DEMO-568932-MD104.dwg LAYOUT NAME: P383DEMO-568932-MD104 - PLOTTED: Wednesday, March 16, 2016 - 1:22pm USER: janaya



KEYED NOTES:

1. SECURE VALVES HPS-7 AND HPS-20 DURING DEMOLITION. VALVES LOCATED IN MECHANICAL ROOM.
2. DEMO HPS BACK TO TEE, REMOVE TEE AND SLEEVE-IN NEW PIECE OF PIPE ON MAIN LINE. VERIFY NO LEAKS ARE PRESENT AFTER WORK IS COMPLETED.
3. REMOVE TEE IN HPPCCV PIPE AND REPLACE WITH 90 DEG EL.
4. SEE PHOTO C2 ON SHEET MD302 FOR EAST ALLEY STEAM LINES TO BE DEMOLISHED.

STEAM AND CONDENSATE PARTIAL DEMOLITION SCHEMATIC

NOT TO SCALE

SCALE: N/A

DRAWING NO.
2380.5-1475-M-001 OI
SHEET 6 OF 6

JOHN J. McCLUSKEY LICENSED 21764 KANSAS PROFESSIONAL ENGINEER
3-17-16

Burns & McDonnell SINCE 1895

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JJM | DRW BDV | CHK RGH

PM John A. Moore, R.A.

BRANCH MANAGER

CHIEF ENG/ARCH

DATE 03/16/2016

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HAMPTON ROADS IPT

NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC
NORFOLK, VIRGINIA

NORFOLK NAVAL SHIPYARD
PORTSMOUTH, VIRGINIA

BUILDING DEMO: 1568, DWC, PART 1475

STEAM AND CONDENSATE PARTIAL DEMOLITION SCHEMATIC

SCALE: AS SHOWN
EPROJECT NO.: 568932
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12605421
SHEET 25 OF 55

MD301

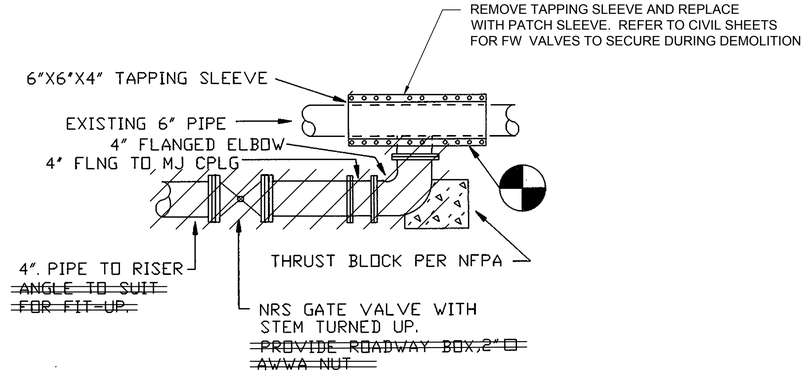
DRAWFORM REVISION: 10 MARCH 2009

APPR | DATE | DESCRIPTION | SYM

FILE NAME: J:\NNSY\CIF\94018_CIF Final Design Contract\04_CADD\NNSY\CIF Controlled Industrial Facility\Sheets\Mechanical\P3830DEMO-568932-MD301.dwg LAYOUT NAME: P3830DEMO-568932-MD301 PLOTTED: Wednesday, March 16, 2016 - 1:22pm USER: janaya

FOR OFFICAL USE ONLY

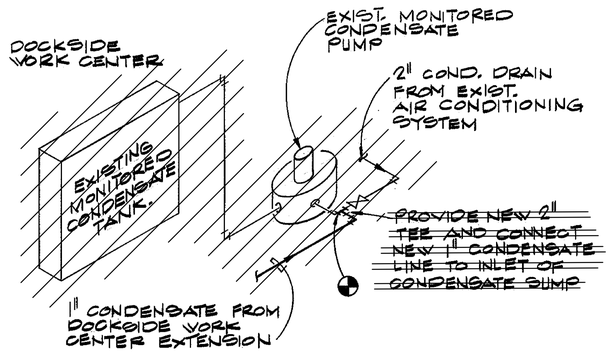
PHOTO
NOT TO SCALE
MD301 C2



NOTE: PROVIDE RETAINER GLANDS FOR ALL MECHANICAL JOINT CONNECTIONS.

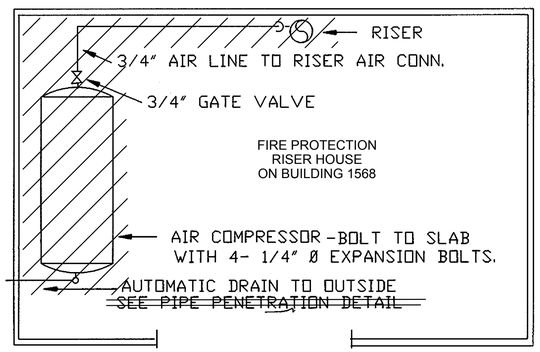
STAB-IN DETAIL (PLAN VIEW)
NO SCALE

DETAIL
NOT TO SCALE
MD102 C4



CONDENSATE DRAIN HOOKUP
NO SCALE

CONDENSATE EQUIPMENT DEMO
NOT TO SCALE
MD101, MD104 A2



AIR COMPRESSOR DETAIL
NO SCALE

LEAN-TO HOUSE DEMOLITION
NOT TO SCALE
MD102 A4

APPR	DATE	DESCRIPTION	SYM

NAVFAC

JOHN J. McCLUSKEY LICENSED 21764 KANSAS PROFESSIONAL ENGINEER
3-17-16

Burns & McDonnell SINCE 1898

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JJM | DRW BDV | CHK RGH
PM John A. Moore, R.A.
BRANCH MANAGER TJH
CHIEF ENG/ARCH
DATE 03/16/2016

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HAMPTON ROADS IPT

NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC
NORFOLK, VIRGINIA

NORFOLK NAVAL SHIPYARD
PORTSMOUTH, VIRGINIA

BUILDING DEMO: 1568, DWC, PART 1475

DEMOLITION SECTIONS - DETAILS - PHOTOGRAPH

SCALE: AS SHOWN
EPROJECT NO.: 568932
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12605422
SHEET 26 OF 55

MD302

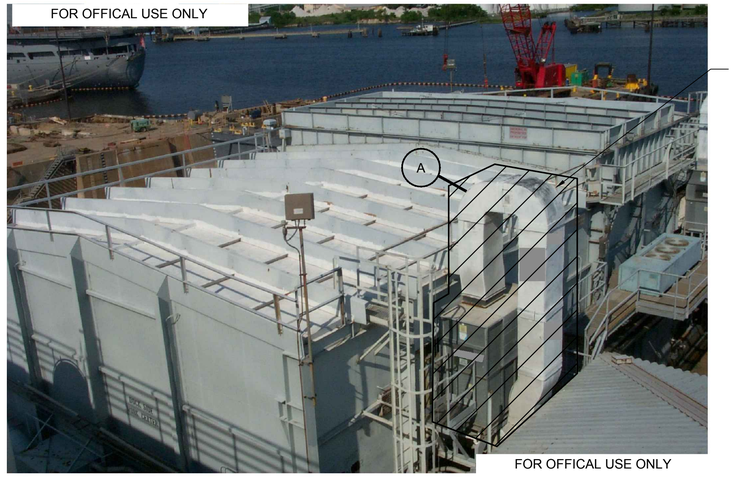
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: J:\NNSY\CIF\94018_CIF Final Design Contract\04_CADD\NNSY\CIF Controlled Industrial Facility\Sheets\Mechanical\P383DEMO-568932-MD302.dwg LAYOUT NAME: P383DEMO-568932-MD302 PLOTTED: Wednesday, March 16, 2016 - 1:22pm USER: janaya

KEYED NOTES:

1. DWC VENTILATION AIR UNITS.
2. DWC EXHAUST FAN AND DUCT.

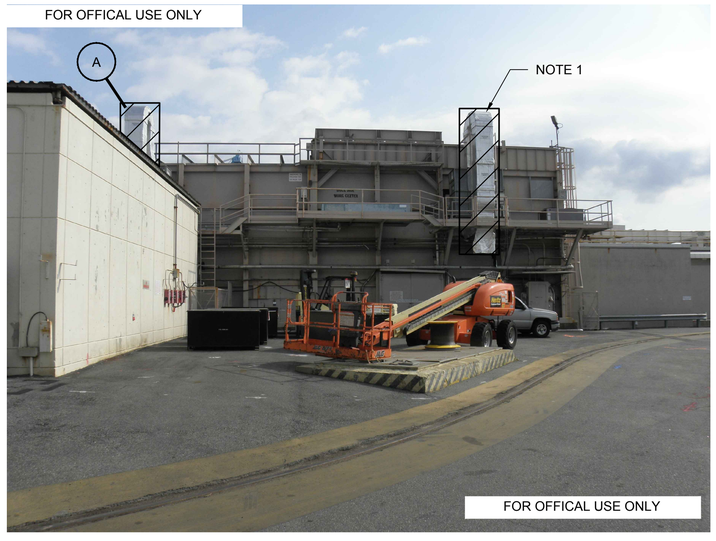
FOR OFFICAL USE ONLY



FOR OFFICAL USE ONLY

PHOTO
NOT TO SCALE
MD103 C1

FOR OFFICAL USE ONLY



FOR OFFICAL USE ONLY

PHOTO
NOT TO SCALE
MD103 A1

BUILDING 1475 TO REMAIN

FOR OFFICAL USE ONLY

FOR OFFICAL USE ONLY

PHOTO
NOT TO SCALE
MD103 A3

FOR OFFICAL USE ONLY

FOR OFFICAL USE ONLY

PHOTO
NOT TO SCALE
MD103 A4

JOHN J. McCLUSKEY LICENSED 21764 KANSAS PROFESSIONAL ENGINEER
3-17-16

Burns & McDonnell SINCE 1898

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JJM DRW BDV CHK RGH
PM John A. Moore, R.A.
BRANCH MANAGER
CHIEF ENG/ARCH
DATE 03/16/2016

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HAMPTON ROADS IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID ATLANTIC
NORFOLK, VIRGINIA
NORFOLK NAVAL SHIPYARD
PORTSMOUTH, VIRGINIA

BUILDING DEMO: 1568, DWC, PART 1475

MECHANICAL DEMOLITION PHOTOGRAPHS

SCALE: AS SHOWN
EPROJECT NO.: 568932
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12605423
SHEET 27 OF 55

MD901

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: J:\NNSY\CIF\54018_CIF Final Design Contract\04_CADD\NNSY\CIF Controlled Industrial Facility\Sheets\Mechanical\P383DEMO-568932-MD901.dwg LAYOUT NAME: P383DEMO-568932-MD901 PLOTTED: Wednesday, March 16, 2016 - 1:21pm USER: janaya