

A
B
C
D
E
F
G

three inches = one foot

one and one half inches = one foot

one inch = one foot

three quarters inch = one foot

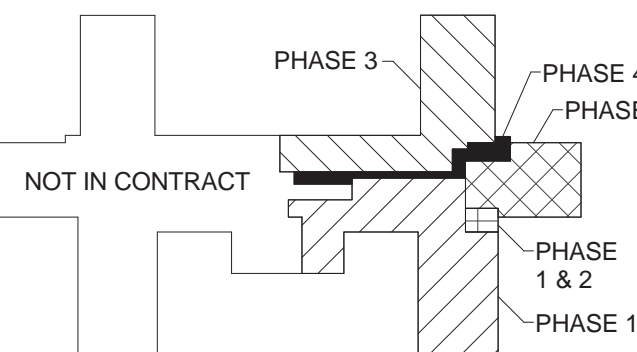
one half inch = one foot

three eighths inch = one foot

one quarter inch = one foot

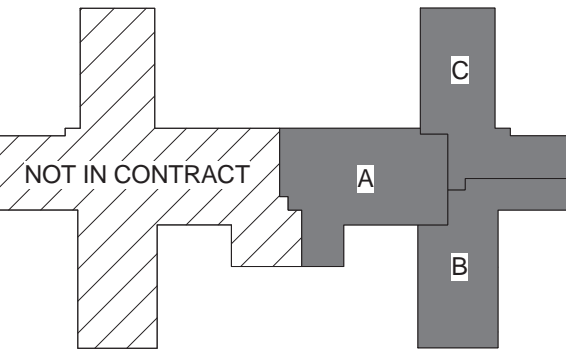
one eighth inch = one foot

PHASING NOTE:
REFER TO ARCHITECTURAL SHEET A003 - FIFTH
FLOOR PHASING PLAN FOR ALL PROJECT PHASING.



PHASING KEY PLAN

NOT TO SCALE



KEY PLAN

NOT TO SCALE



ABBREVIATIONS

AG	ABOVE GRADE
ADD	ADDENDUM
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
ALT	ALTERNATE
BG	BELOW GRADE
CA	COMPRESSED AIR
CO	CLEANOUT
COL	COLUMN
CW	COLD WATER
DN	DOWN
EC	ELECTRICAL CONTRACTOR
EQ	EQUAL
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLR	FLOOR
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
FT	FOOT (FEET)
F	FURNACE
GAL	GALLON
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HW	HOT WATER
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MIN	MINIMUM
NTS	NOT TO SCALE
NPCW	NON POTABLE COLD WATER
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PRES	PRESSURE
QTY	QUANTITY
SAN	SANITARY
SCH	SCHEDULE
SPEC	SPECIFICATIONS
SS	STAINLESS STEEL
TEMP	TEMPORARY
TYP	TYPICAL
VTR	VENT THRU ROOF
W/	WITH
WCO	WALL CLEANOUT
WC	WATER CLOSET

FIRE PROTECTION RENOVATION NOTES

- WHERE EXISTING SURFACES ARE DISRUPTED DUE TO THE REMOVAL OF EXISTING EQUIPMENT OR PIPING, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF DISRUPTED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS ARE TAKEN FROM ORIGINAL AND AS-BUILT DRAWINGS OF THE BUILDING AND IN PART ARE UNVERIFIED. FIELD CONDITIONS SHALL GOVERN. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO INITIATION OF WORK.
- ALL EXISTING FIRE PROTECTION PIPING SHALL BE RELOCATED TO CREATE REQUIRED SPACE FOR INSTALLATION OF ALL NEW SERVICES FOR NEW CONSTRUCTION, INCLUDING BUT NOT LIMITED TO H.V.A.C., ELECTRICAL, AND PLUMBING TRADES. CONTRACTOR SHALL INCLUDE ALL NEW PIPING AND FITTINGS REQUIRED AND RELOCATE ANY AND ALL EXISTING SERVICES.
- ALL EXISTING FIRE PROTECTION PIPING, NOT REMAINING IN SERVICE AFTER NEW CONSTRUCTION, SHALL BE REMOVED.
- PIPING WHICH IS TO REMAIN IN SERVICE SHALL NOT BE DISTURBED. EXISTING PIPING DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH NEW PIPING OF THE SAME SIZE AND MATERIAL..
- COORDINATE WITH GENERAL CONTRACTOR TO PATCH ALL EXISTING WALLS, FLOORS, CEILINGS, ETC., AS REQUIRED BY NEW WORK.
- CONTRACTOR SHALL NOTIFY THE COR TWO WEEKS IN ADVANCE OF ANY PROPOSED SHUTDOWN OF THE FP SYSTEM. ALL FP SHUTDOWNS WILL REQUIRE COR AUTHORIZATION. THE EXISTING FP SYSTEM SHALL REMAIN IN SERVICE AS LONG AS POSSIBLE THROUGH DEMOLITION AS DETERMINED BY OWNER.
- ENSURE INTERIM LIFE SAFETY MEASURES ARE IN PLACE WHEN THE SPRINKLER SYSTEM IS TAKEN OUT OF SERVICE.

FIRE PROTECTION SYMBOL LEGEND

	SHUTOFF VALVE
	END CAP
	FLOW SWITCH
	NEW TO EXISTING POINT OF CONNECTION SYMBOL
	CONCEALED SPRINKLER HEAD
	CONCEALED CLEAN ROOM SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD

FIRE PROTECTION PIPING LINETYPES

LINETYPE	DESCRIPTION
-----	DEMOLITION
=====	NEW - ABOVE GRADE
=====	EXISTING - ABOVE GRADE

FIRE PROTECTION GENERAL NOTES

- COORDINATE INSTALLATION OF SPRINKLER PIPING AND ALL COMPONENTS WITH OTHER TRADES, OWNER, AND GENERAL CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REINSTALLING ALL CEILING COMPONENTS AS REQUIRED TO INSTALL SPRINKLER PIPING AND HEADS IN.
- FIRE PROTECTION SYSTEM TO COMPLY WITH NFPA #13, INSURANCE CARRIER AND ALL APPLICABLE STATE AND LOCAL CODES.
- FIRE PROTECTION CONTRACTOR SHALL VISIT SITE PRIOR TO BID VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING TO INSURE THE COORDINATION OF THE FIRE SERVICES WITH EXISTING CONDITIONS. WORK INDICATED ON THE DRAWINGS IS BASED ON THE BEST AVAILABLE INFORMATION CONCERNING LOCATIONS AND SIZES OF SPRINKLER PIPING.
- CUTTING OF STRUCTURAL AND/OR ARCHITECTURAL MEMBERS TO BE DONE ONLY WITH THE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- SPRINKLER HEAD LOCATIONS ARE FOR SCHEMATIC USE AND ANY ADDITIONAL HEADS REQUIRED PER CODE SHALL BE INSTALLED. VERIFY STRUCTURAL, MECHANICAL, ELECTRICAL INSTALLATIONS AND AVOID OBSTRUCTIONS OR INTERFERENCES.
- PROVIDE MINIMUM 5 PSI SAFETY FACTOR.
- WORKING DRAWINGS INDICATING SPRINKLER HEAD LOCATIONS AND EXPOSED AND CONCEALED PIPING ROUTING SHALL BE PROVIDED TO THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION FOR APPROVAL.
- FIRE PROTECTION CONTRACTOR SHALL BE REQUIRED TO PARTICIPATE IN THE COORDINATION MEETINGS AND COORDINATION PLAN DEVELOPMENT WITH OTHER TRADES AND THE GC PRIOR TO INSTALLATION IN ORDER TO INSTALL FP PIPING AND OTHER FP COMPONENTS IN OPTIMUM LOCATION FOR DRAINING THE FP SYSTEM AND MAINTAINING ACCESSIBILITY ABOVE THE CEILING.
- ALL SPRINKLER HEADS SHALL BE INSTALLED CENTER OF TILE.
- THE USE OF U-BOLT MECHANICAL TEES ALSO KNOW AS "JACK TEES" IS PROHIBITED.
- SPRINKLER HEADS ARE TO BE COORDINATED WITH ALL DIFFUSERS, SPEAKERS, LIGHTING FIXTURES, CEILING SYSTEMS AND STRUCTURAL SYSTEM.
- FIRE STOP ALL PENETRATIONS OF SMOKE/FIRE WALLS, CEILINGS, AND FLOORS.
- CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING ATC CEILING AS REQUIRED FOR DEMOLITION AND NEW WORK. CONTRACTOR TO REPLACE ANY DAMAGED CEILING TILES TO MATCH EXISTING.
- WORK IN CORRIDORS SHALL BE PERFORMED AFTER NORMAL BUSINESS HOURS.
- ALL SPRINKLER PIPING SHALL BE SCHEDULE 40.
- COORDINATE SHUTDOWN AND INTERRUPTIONS WITH OWNER A MINIMUM OF 10 DAYS IN ADVANCE.
- AUXILIARY DRAINS IN CEILING SPACE SHALL BE PROVIDED WITH CAPPED HOSE CONNECTIONS.
- REFER TO ARCHITECTURAL PHASING PLAN FOR PROJECT PHASING. COORDINATE REQUIRED WORK WITH ALL OTHER TRADES FOR EACH PHASE. CONTRACTOR SHALL MAINTAIN PROJECT DEADLINES FOR EACH PHASE AND COORDINATE AREA OF WORK AND SHUTDOWNS WITH OWNER AND ARCHITECT.

FIRE PROTECTION SHEET INDEX

FP001	FIRE PROTECTION LEAD SHEET
FPD100	5TH FLOOR FIRE PROTECTION DEMOLTION PLAN - OVERALL (FOR REFERENCE ONLY)
FPD101	5TH FLOOR FIRE PROTECTION DEMOLTION PLAN - PART A
FPD102	5TH FLOOR FIRE PROTECTION DEMOLTION PLAN - PART B
FPD103	5TH FLOOR FIRE PROTECTION DEMOLTION PLAN - PART C
FP100	5TH FLOOR FIRE PROTECTION PLAN - OVERALL (FOR REFERENCE ONLY)
FP101	5TH FLOOR FIRE PROTECTION PLAN - PART A
FP102	5TH FLOOR FIRE PROTECTION PLAN - PART B
FP103	5TH FLOOR FIRE PROTECTION PLAN - PART C

CONSULTANTS:



engineers | consultants | commissioning
MEP Associates, LLC | 2730 Arbor Court | Eau Claire, WI 54601
Phone: 715.832.5580 | Fax: 715.832.5568 | www.mepassociates.com
MEP PROJECT NO.: N08.10.01

ARCHITECT/ENGINEERS:



420 RAIL STREET
NEGAUNEE, MI 49866
PHONE: 906-475-6616
FAX: 906-475-6954
NDW PROJECT NUMBER:1010

Drawing Title

FIRE PROTECTION LEAD SHEET - EAST

Approved: Project Director

Project Title

Upgrade Five East

Project Number

585-10-127

Building Number

1

Location

IRON MOUNTAIN, MICHIGAN

Date

10/05/2015

Checked

TCC

Drawn

NCF

Drawing Number

FP001

Dwg. 30 of 115

Office of
Construction
and Facilities
Management





PROJECT IS SPLIT INTO FOUR DIFFERENT PHASES
REFER TO ARCHITECTURAL SHEET A003 - FIFTH
FLOOR PHASING PLAN FOR MORE INFORMATION.

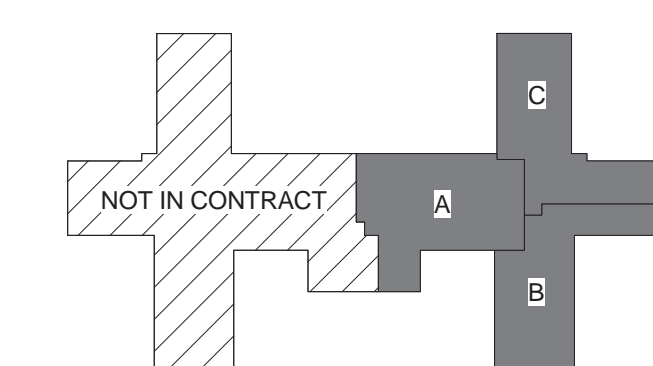
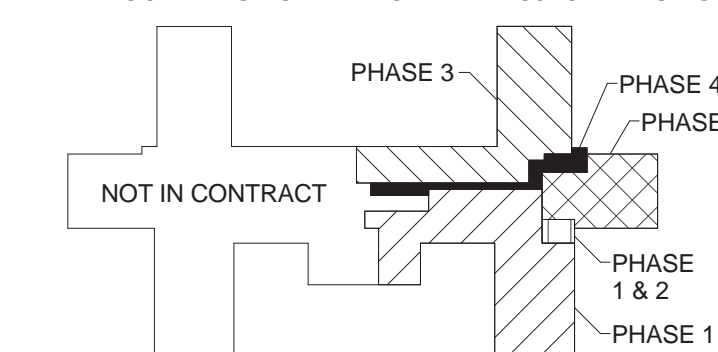
PHASE #1 INCLUDES REMOVING ALL SPRINKLER PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'B' TO ACCOMMODATE NEW PIPING, DUCTWORK, AND ELECTRICAL. PROVIDE TEMPORARY CAPS AND SERVICE PIPING AS REQUIRED FOR FIRE PROTECTION IN PHASE #2, #3, AND #4 TO REMAIN IN SERVICE.

PHASE #2 INCLUDES REMOVING ALL SPRINKLER PIPING AND COMPONENTS IN PORTIONS OF PART 'B' AND PART 'C', TO ACCOMMODATE NEW PIPING, DUCTWORK, AND ELECTRICAL. PROVIDE TEMPORARY CAPS AND SERVICE PIPING AS REQUIRED FOR FIRE PROTECTION IN PHASE #1, #3, AND #4 TO REMAIN IN SERVICE.

PHASE #3 INCLUDES REMOVING ALL SPRINKLER PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C', TO ACCOMMODATE NEW PIPING, DUCTWORK, AND ELECTRICAL. PROVIDE TEMPORARY CAPS AND SERVICE PIPING AS REQUIRED FOR FIRE PROTECTION IN PHASE #1, #2 AND #4 TO REMAIN IN SERVICE

PHASE #4 INCLUDES REMOVING ALL SPRINKLER PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C', TO ACCOMMODATE NEW PIPING, DUCTWORK, AND ELECTRICAL IN CORRIDOR AND STAIRWELL. WORK IN PHASE #4 SHALL OCCUR THROUGHOUT PROJECT AND BE COORDINATED WITH ALL OTHER TRADES. WORK IN PHASE #4 SHALL OCCUR OUTSIDE OF MEDICAL CENTER BUSINESS HOURS.

PHASING NOTE:
REFER TO ARCHITECTURAL SHEET A003 - FIFTH
FLOOR PHASING PLAN FOR ALL PROJECT PHASING



engineers | consultants | commissioning
MEP Associates, LLC | 2720 Arbor Court | Eau Claire, WI 54701
Phone: 715.832.5680 | Fax: 715.832.5668 | www.mepassociates.com
MEP PROJECT NO.: N08.10.01

**NORTHERN
DESIGN
WORKS**

420 RAIL STREET
NEGAUNEE, MI 49866
PHONE: 906-475-6616
FAX: 906-475-6954
NDW PROJECT NUMBER:1010

DEMOLITION PLAN - OVERALL (FOR
REFERENCE ONLY) - EAST

Approved: Project Director

Upgrade Five East

	12
--	----

	Location

IRON MO

Date 10/05/2015

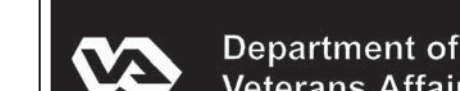
585-10-127

Building Number	1
-----------------	---

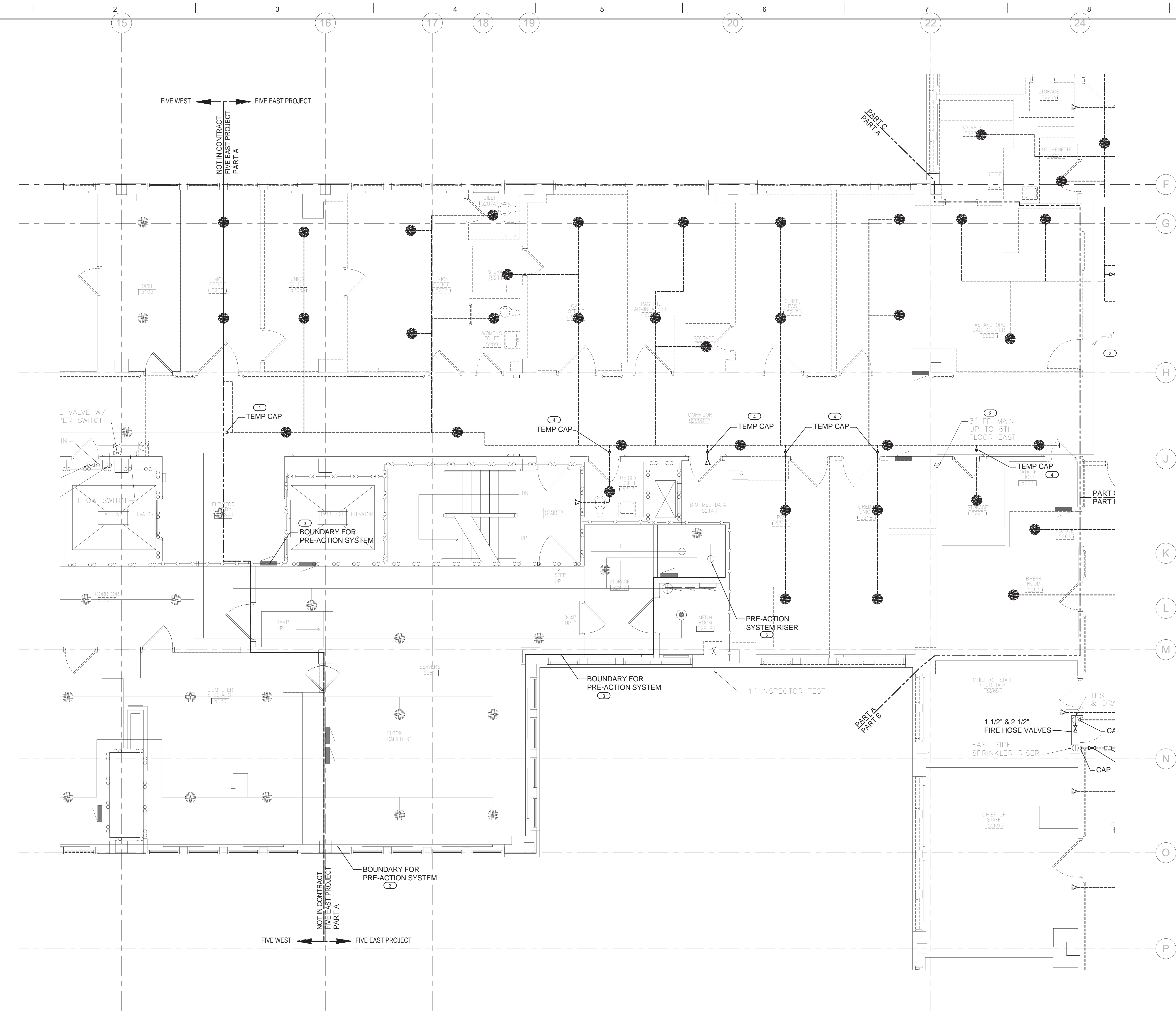
	Drawing Number

FPD100

Office of
Construction
and Facilities
Management

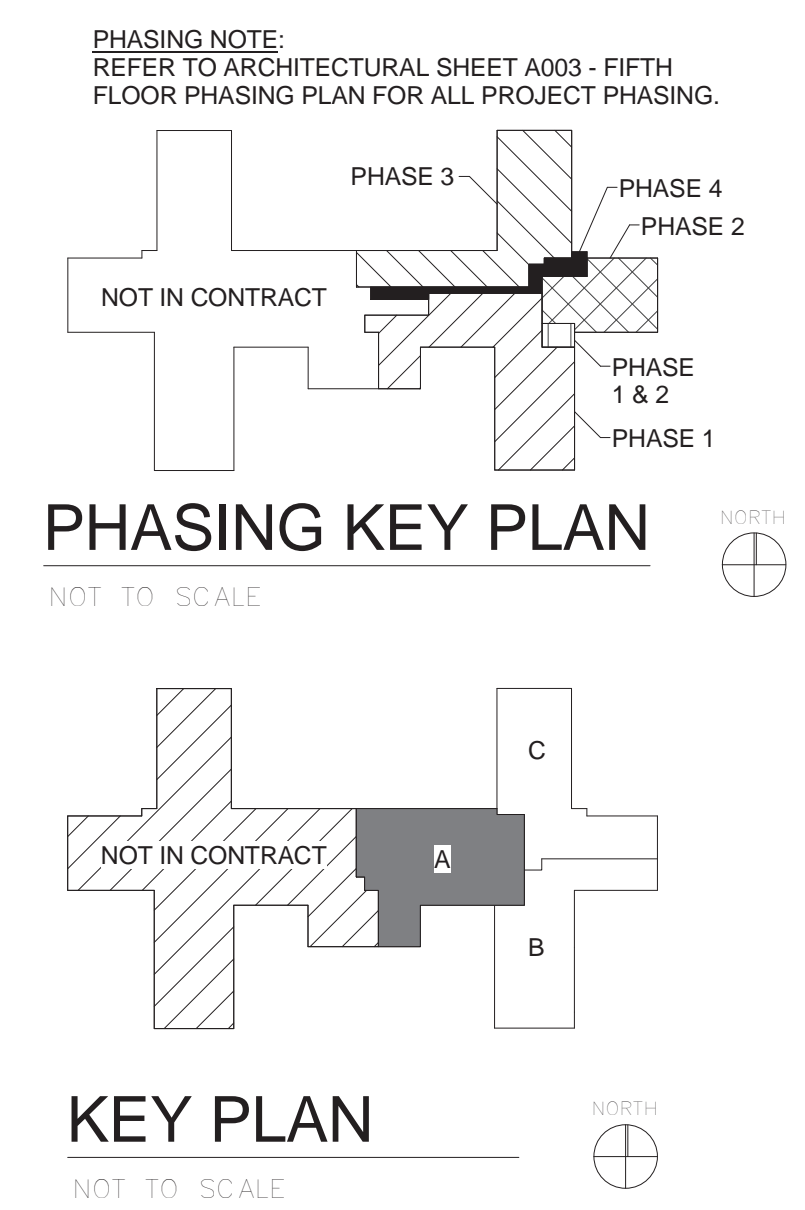


three inches = one foot
one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one eighth inch = one foot






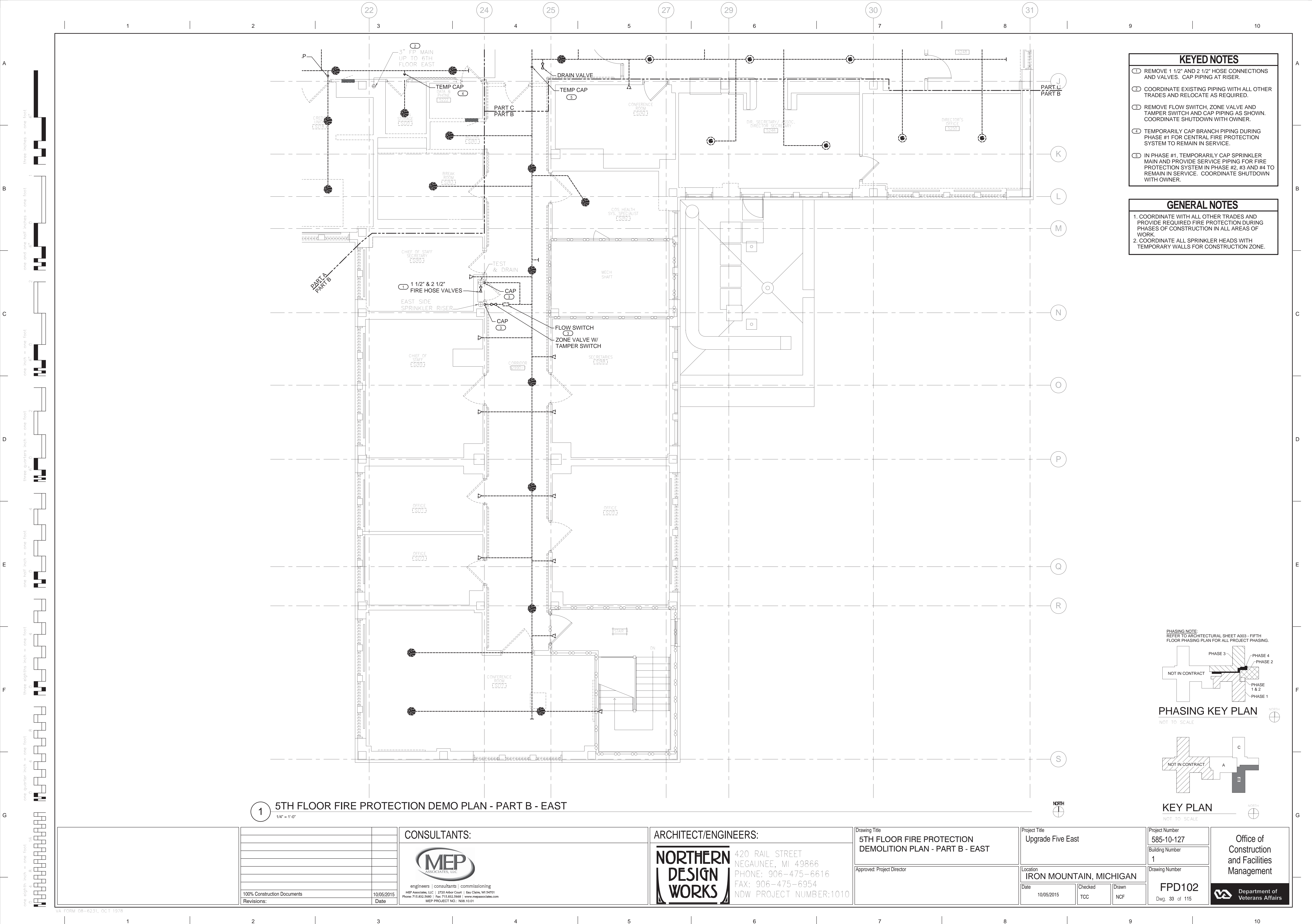
- KEYED NOTES**
- ① IN PHASE #3 & #4, TEMPORARILY CAP CENTER SPRINKLER MAIN FOR CONNECTION DURING NEW CONSTRUCTION. COORDINATE SHUTDOWN WITH OWNER.
 - ② COORDINATE EXISTING PIPING WITH ALL OTHER TRADES AND RELOCATE AS REQUIRED.
 - ③ PRE-ACTION SYSTEM SHALL REMAIN.
 - ④ TEMPORARILY CAP BRANCH PIPING DURING PHASE #1 FOR CENTRAL FIRE PROTECTION SYSTEM TO REMAIN IN SERVICE.

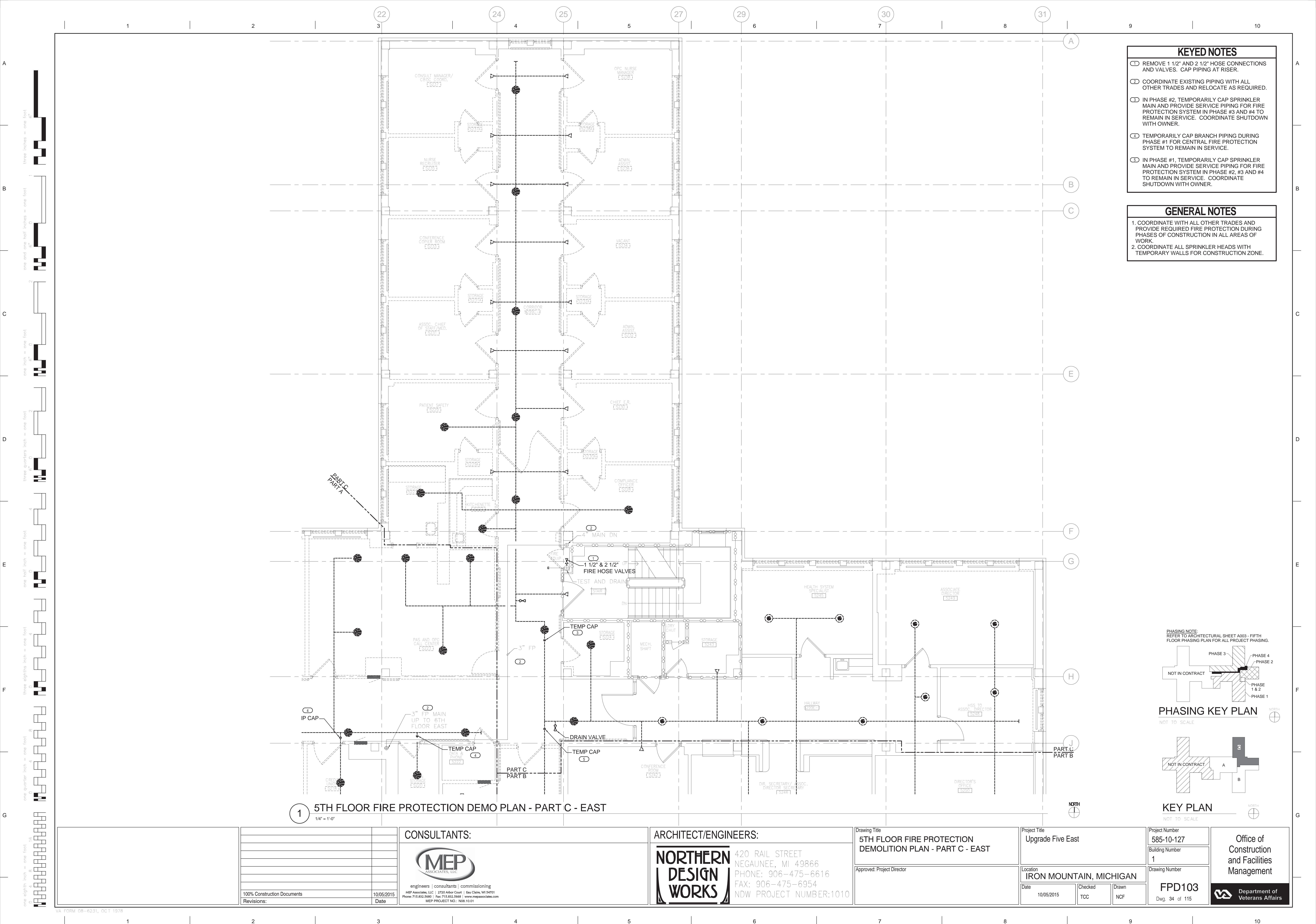
- GENERAL NOTES**
- COORDINATE WITH ALL OTHER TRADES AND PROVIDE REQUIRED FIRE PROTECTION DURING PHASES OF CONSTRUCTION IN ALL AREAS OF WORK.
 - COORDINATE ALL SPRINKLER HEADS WITH TEMPORARY WALLS FOR CONSTRUCTION ZONE.

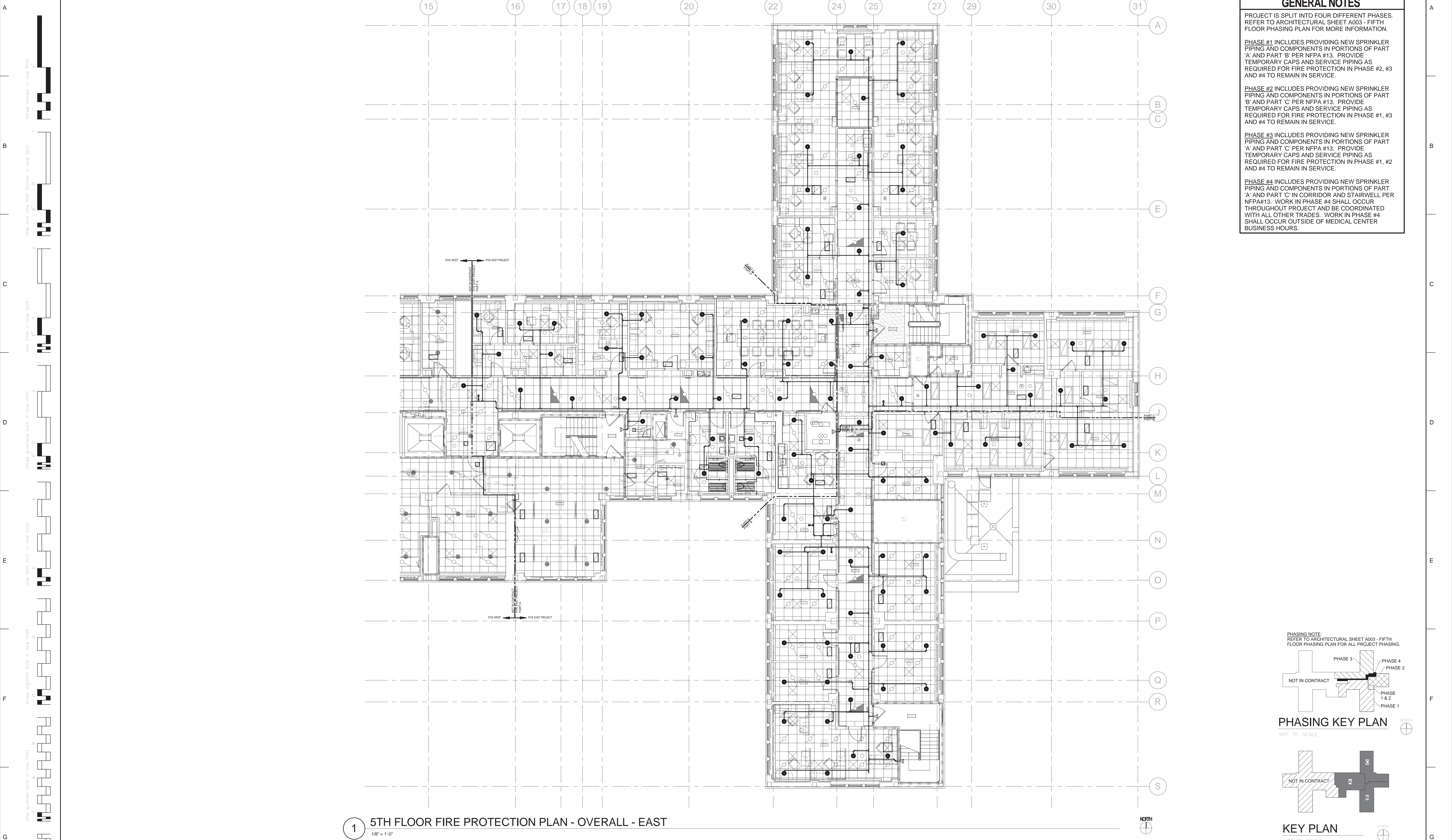


1 5TH FLOOR FIRE PROTECTION DEMO PLAN - PART A - EAST
1/4" = 1'-0"

		CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title 5TH FLOOR FIRE PROTECTION DEMOLITION PLAN - PART A - EAST		Project Title Upgrade Five East		Project Number 585-10-127		<div>Office of Construction and Facilities Management</div>							
						420 RAIL STREET NEGAUNEE, MI 49866 PHONE: 906-475-6616 FAX: 906-475-6954 NDW PROJECT NUMBER:1010		Location IRON MOUNTAIN, MICHIGAN		Building Number 1				Drawing Number					
		engineers consultants commissioning MEP Associates, LLC 2730 Arbor Court Eau Claire, WI 54601 Phone: 715-832-5580 Fax: 715-832-5568 www.mepassociates.com MEP PROJECT NO.: N08.10.01		Approved: Project Director						Date 10/05/2015				Checked TCC		Drawn NCF		FPD101	
100% Construction Documents		10/05/2015																Dwg. 32 of 115	
Revisions:		Date												 Department of Veterans Affairs					







GENERAL NOTES

PROJECT IS SPLIT INTO FOUR DIFFERENT PHASES. REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR MORE INFORMATION.

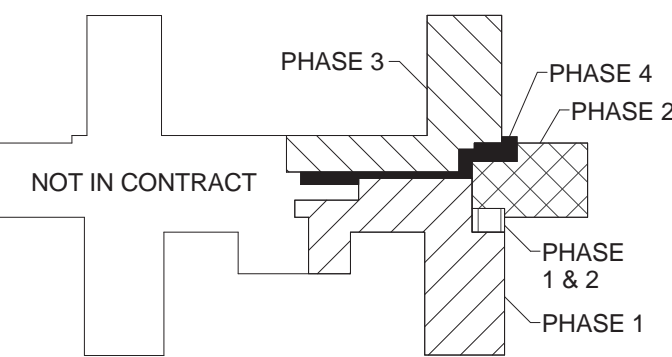
PHASE #1 INCLUDES PROVIDING NEW SPRINKLER PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'B' PER NFPA #13. PROVIDE TEMPORARY CAPS AND SERVICE PIPING AS REQUIRED FOR FIRE PROTECTION IN PHASE #2, #3 AND #4 TO REMAIN IN SERVICE.

PHASE #2 INCLUDES PROVIDING NEW SPRINKLER PIPING AND COMPONENTS IN PORTIONS OF PART 'B' AND PART 'C' PER NFPA #13. PROVIDE TEMPORARY CAPS AND SERVICE PIPING AS REQUIRED FOR FIRE PROTECTION IN PHASE #1, #3 AND #4 TO REMAIN IN SERVICE.

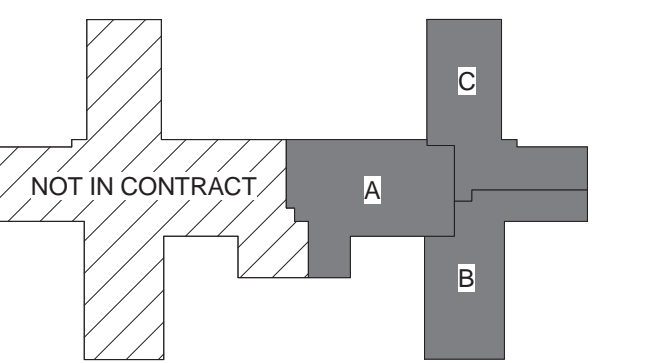
PHASE #3 INCLUDES PROVIDING NEW SPRINKLER PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C' PER NFPA #13. PROVIDE TEMPORARY CAPS AND SERVICE PIPING AS REQUIRED FOR FIRE PROTECTION IN PHASE #1, #2 AND #4 TO REMAIN IN SERVICE.

PHASE #4 INCLUDES PROVIDING NEW SPRINKLER PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C' IN CORRIDOR AND STAIRWELL PER NFPA#13. WORK IN PHASE #4 SHALL OCCUR THROUGHOUT PROJECT AND BE COORDINATED WITH ALL OTHER TRADES. WORK IN PHASE #4 SHALL OCCUR OUTSIDE OF MEDICAL CENTER BUSINESS HOURS.

PHASING NOTE:
REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR ALL PROJECT PHASING.





PHASING KEY PLAN
NOT TO SCALE

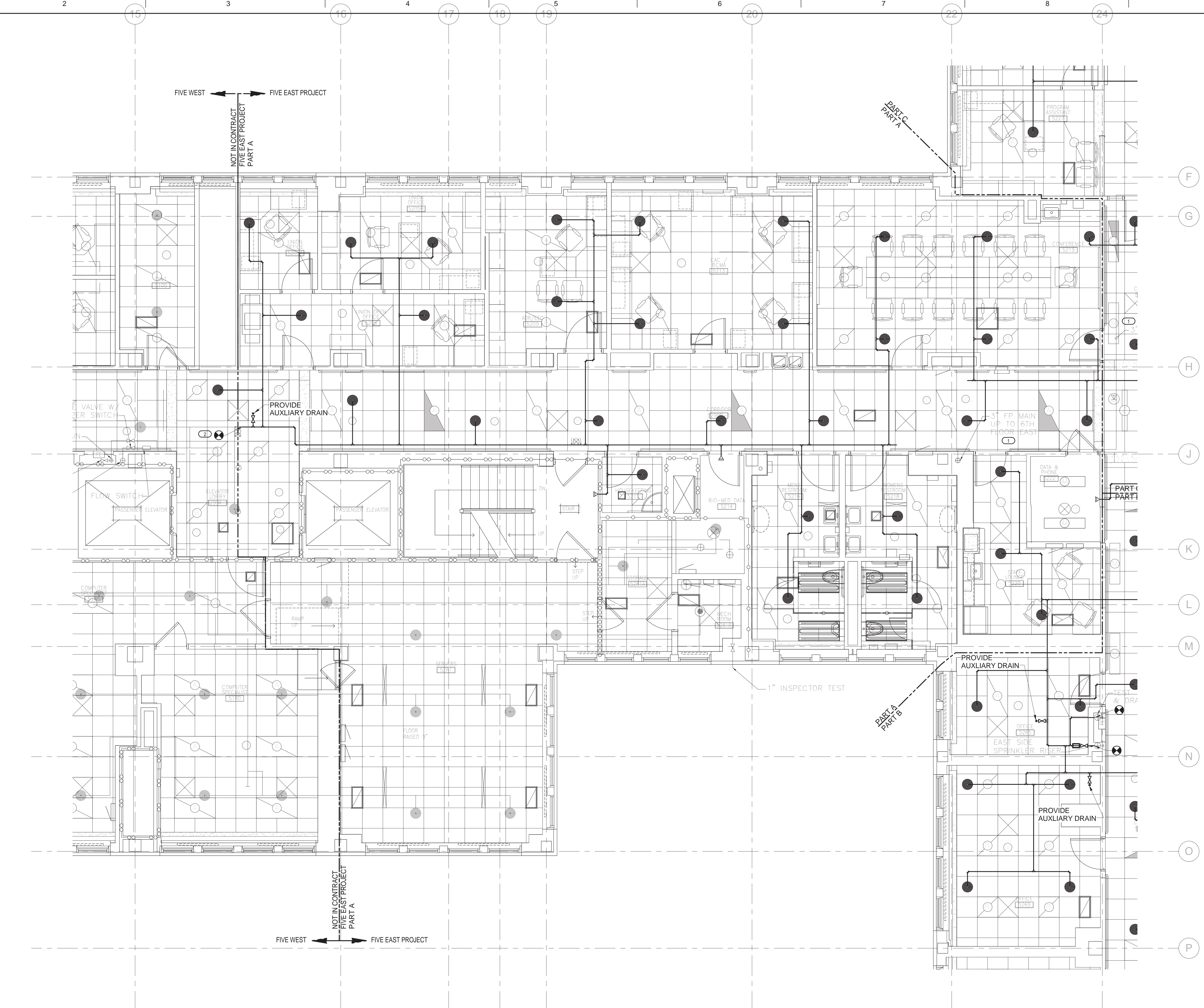


KEY PLAN
NOT TO SCALE

1 5TH FLOOR FIRE PROTECTION PLAN - OVERALL - EAST
1/8" = 1'-0"

				CONSULTANTS:				ARCHITECT/ENGINEERS:		Drawing Title 5TH FLOOR FIRE PROTECTION PLAN - OVERALL (FOR REFERENCE ONLY) - EAST		Project Title Upgrade Five East		Project Number 585-10-127		<div>Office of Construction and Facilities Management</div>			
												Building Number 1		Building Number 1					
				engineers consultants commissioning MEP Associates, LLC 2730 Arbor Court Eau Claire, WI 54701 Phone: 715-832-5580 Fax: 715-832-5581 www.mepassociates.com MEP PROJECT NO.: N08.10.01				420 RAIL STREET NEGAUNEE, MI 49866 PHONE: 906-475-6616 FAX: 906-475-6954 NDW PROJECT NUMBER:1010		Approved: Project Director		Location IRON MOUNTAIN, MICHIGAN		Drawing Number FP100					
		100% Construction Documents		10/05/2015								Date 10/05/2015		Checked TCC		Drawn NCF		<div>Department of Veterans Affairs</div>	
		Revisions:		Date															

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



KEYED NOTES

① COORDINATE EXISTING PIPING WITH ALL OTHER TRADES AND RELOCATE AS REQUIRED.

② CONNECT NEW FIRE PROTECTION PIPING TO EXISTING FIRE PROTECTION PIPING.

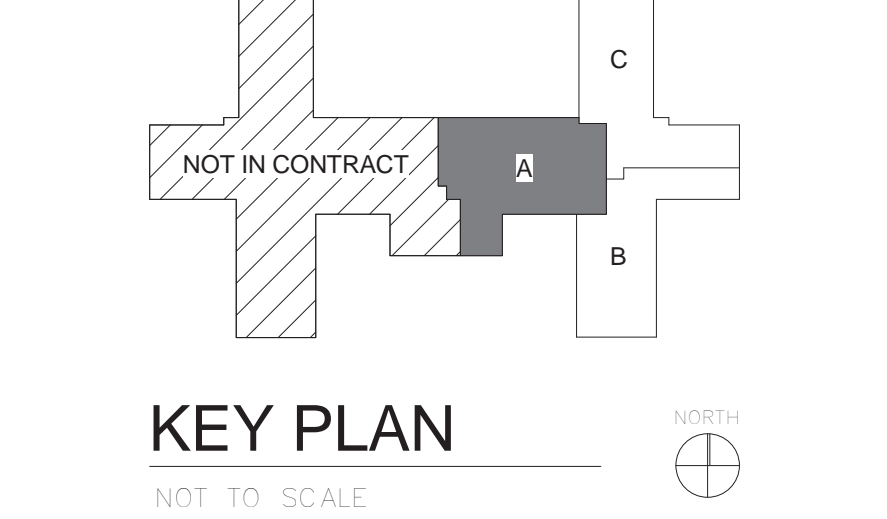
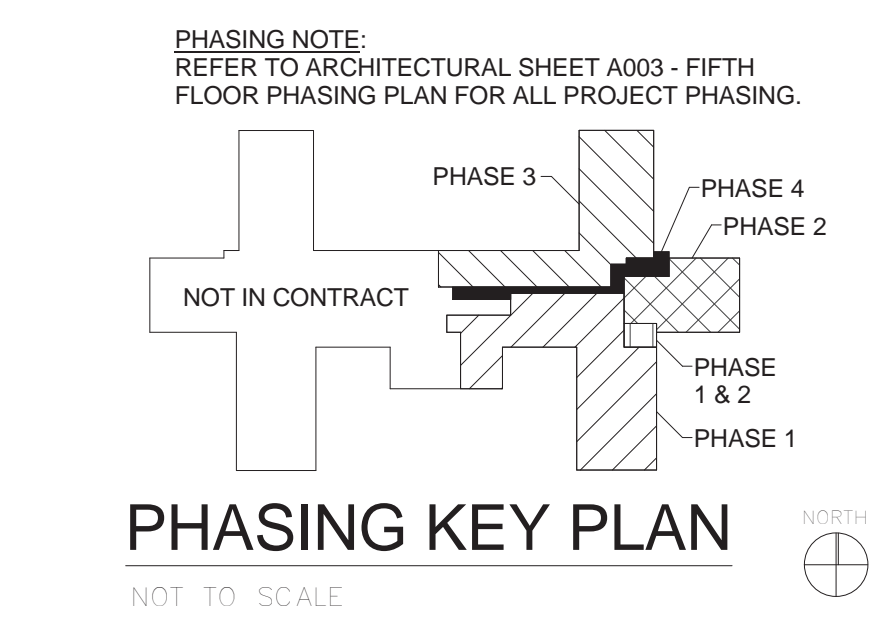
GENERAL NOTES

1. COORDINATE WITH ALL OTHER TRADES AND PROVIDE REQUIRED FIRE PROTECTION DURING PHASES OF CONSTRUCTION IN ALL AREAS OF WORK.

2. COORDINATE ALL SPRINKLER HEADS WITH TEMPORARY WALLS FOR CONSTRUCTION ZONE.

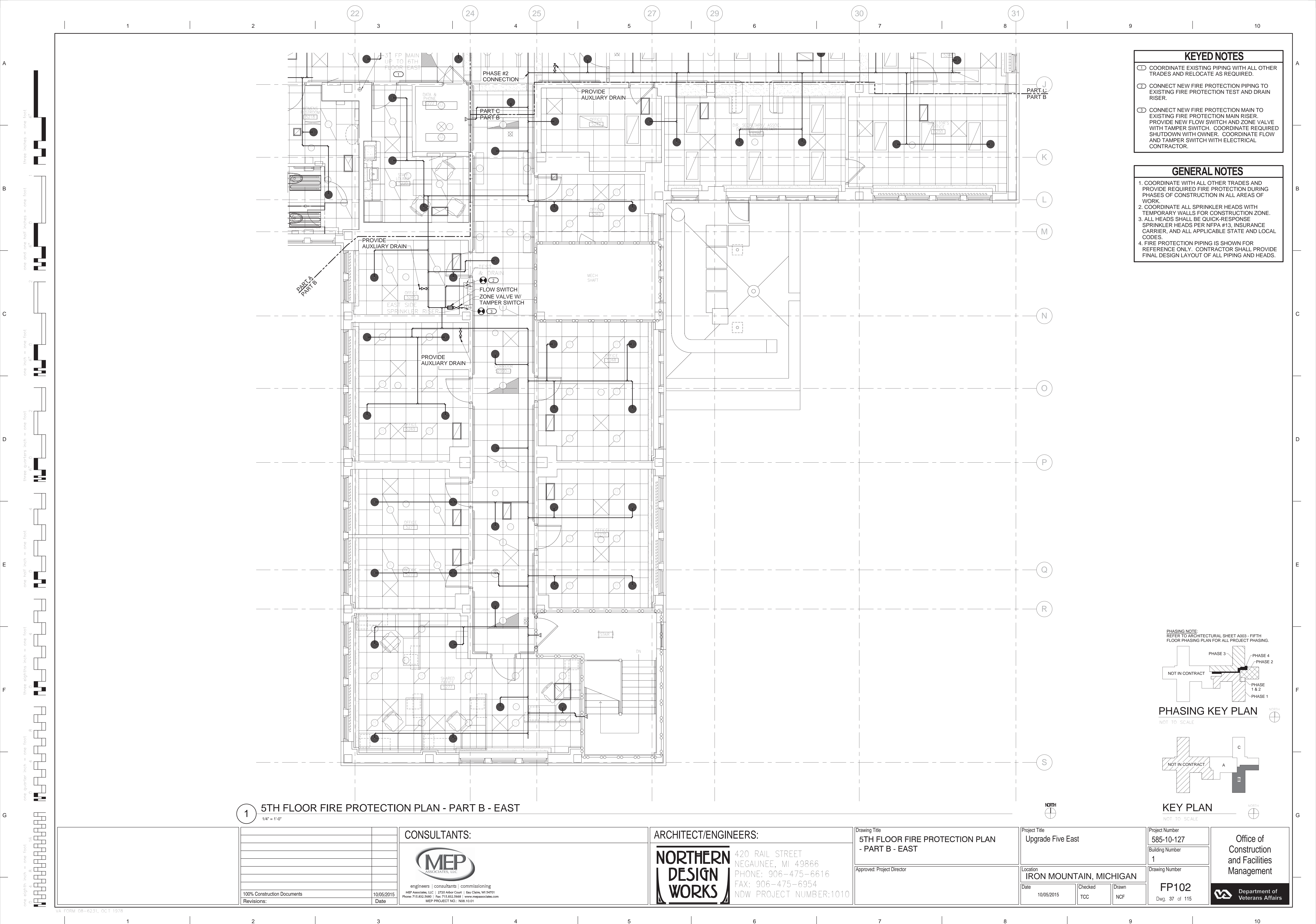
3. ALL HEADS SHALL BE QUICK-RESPONSE SPRINKLER HEADS PER NFPA #13, INSURANCE CARRIER, AND ALL APPLICABLE STATE AND LOCAL CODES.

4. FIRE PROTECTION PIPING IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE FINAL DESIGN LAYOUT OF ALL PIPING AND HEADS.



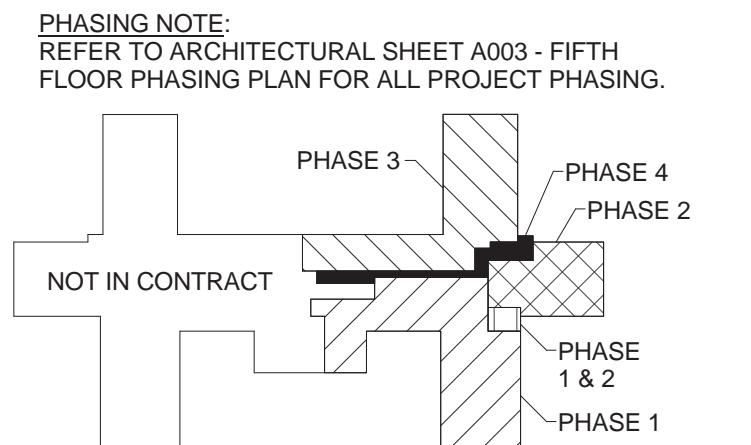
① 5TH FLOOR FIRE PROTECTION PLAN - PART A - EAST
1/4" = 1'-0"

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

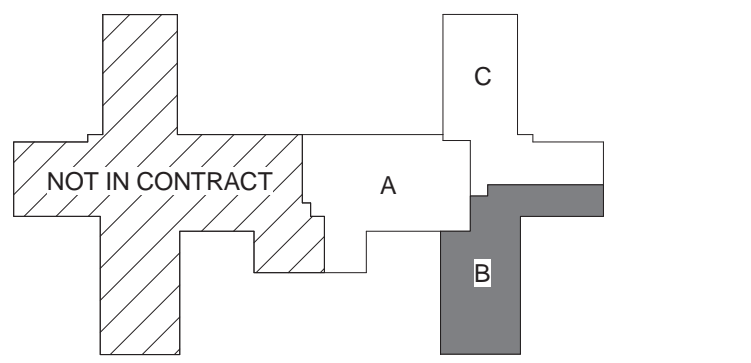


- KEYED NOTES**
- 1. COORDINATE EXISTING PIPING WITH ALL OTHER TRADES AND RELOCATE AS REQUIRED.
 - 2. CONNECT NEW FIRE PROTECTION PIPING TO EXISTING FIRE PROTECTION TEST AND DRAIN RISER.
 - 3. CONNECT NEW FIRE PROTECTION MAIN TO EXISTING FIRE PROTECTION MAIN RISER. PROVIDE NEW FLOW SWITCH AND ZONE VALVE WITH TAMPER SWITCH. COORDINATE REQUIRED SHUTDOWN WITH OWNER. COORDINATE FLOW AND TAMPER SWITCH WITH ELECTRICAL CONTRACTOR.

- GENERAL NOTES**
- 1. COORDINATE WITH ALL OTHER TRADES AND PROVIDE REQUIRED FIRE PROTECTION DURING PHASES OF CONSTRUCTION IN ALL AREAS OF WORK.
 - 2. COORDINATE ALL SPRINKLER HEADS WITH TEMPORARY WALLS FOR CONSTRUCTION ZONE.
 - 3. ALL HEADS SHALL BE QUICK-RESPONSE SPRINKLER HEADS PER NFPA #13, INSURANCE CARRIER, AND ALL APPLICABLE STATE AND LOCAL CODES.
 - 4. FIRE PROTECTION PIPING IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE FINAL DESIGN LAYOUT OF ALL PIPING AND HEADS.



PHASING KEY PLAN
NOT TO SCALE



KEY PLAN
NOT TO SCALE

1 5TH FLOOR FIRE PROTECTION PLAN - PART B - EAST
1/4" = 1'-0"

CONSULTANTS:



engineers | consultants | commissioning
MEP Associates, LLC | 2730 Arbor Court | Eau Claire, WI 54601
Phone: 715.832.5580 | Fax: 715.832.5581 | www.mepassociates.com
MEP PROJECT NO.: N08.10.01

ARCHITECT/ENGINEERS:



420 RAIL STREET
NEGAUNEE, MI 49866
PHONE: 906-475-6616
FAX: 906-475-6954
NDW PROJECT NUMBER:1010

Drawing Title
**5TH FLOOR FIRE PROTECTION PLAN
- PART B - EAST**

Approved: Project Director

Project Title
Upgrade Five East

Location
IRON MOUNTAIN, MICHIGAN

Date
10/05/2015

Checked
TCC

Drawn
NCF

Project Number
585-10-127

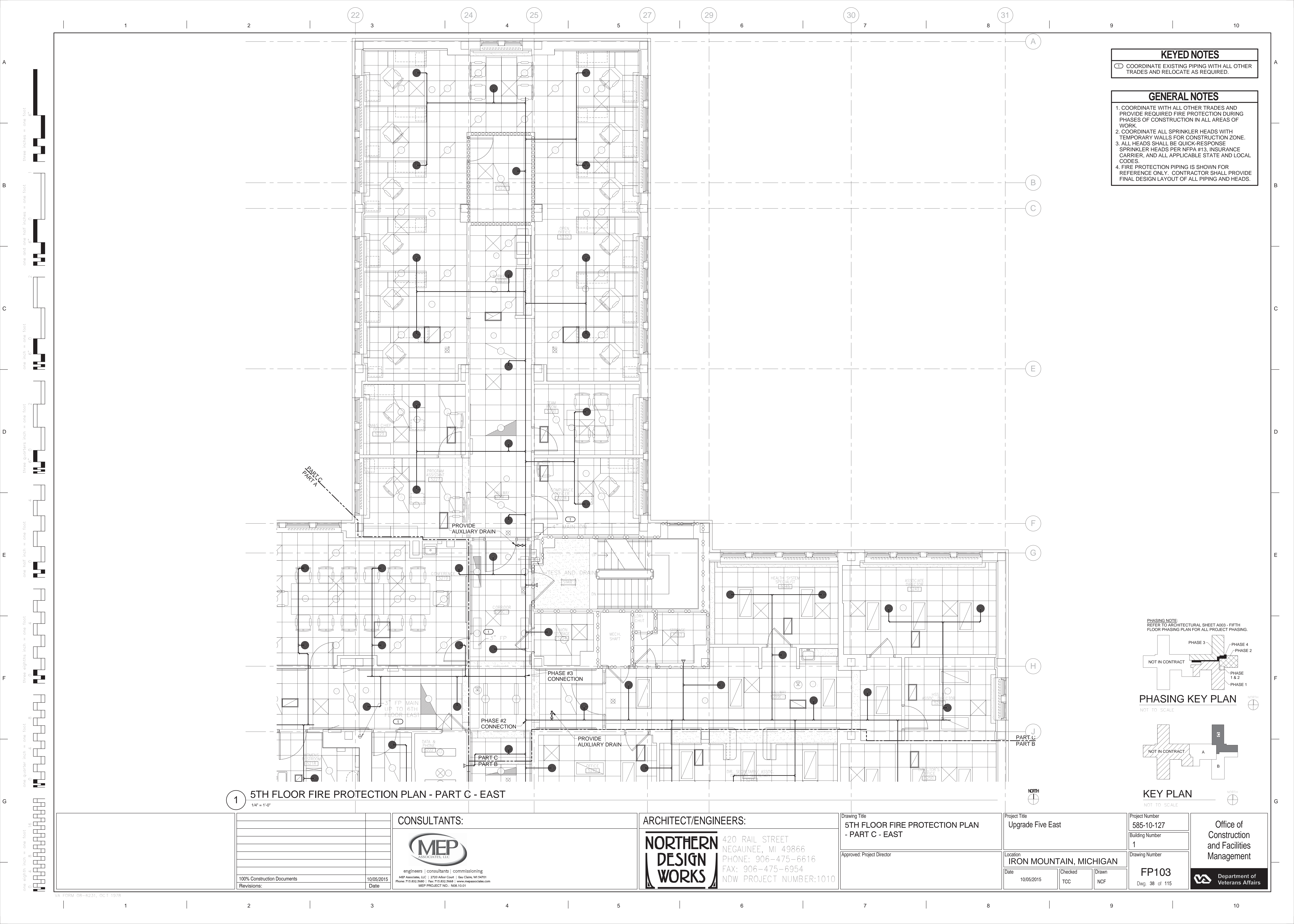
Building Number
1

Drawing Number
FP102

Dwg. 37 of 115

Office of
Construction
and Facilities
Management





A
B
C
D
E
F
G

three inches = one foot
one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

GENERAL PLUMBING NOTES		
1.	THESE DRAWINGS SHALL NOT BE SCALED. SEE ARCHITECTURAL/CIVIL DRAWINGS FOR DIMENSIONAL INFORMATION. THIS ENGINEER WILL NOT BE LIABLE FOR MISCALCULATED PRODUCT TAKE-OFFS DUE TO SCALING OF DRAWINGS.	
2.	CONTRACTOR SHALL VERIFY ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALLED ON THE SITE AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS	
3.	ALL SANITARY PIPING SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED. 2" SANITARY OR SMALLER SHALL HAVE A 1/4" PER FOOT SLOPE.	
4.	VALVES AND FITTINGS SHALL BE OF SAME SIZE AS THE LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.	
5.	CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.	
6.	CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.	
7.	ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.	
8.	CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.	
9.	ALL DRAINAGE PIPING SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.	
10.	CONTRACTOR SHALL GIVE 10 DAYS NOTICE IN WRITING TO, AND RECEIVE WRITTEN APPROVAL, FROM THE BUILDING ADMINISTRATOR (OR HIS REPRESENTATIVE) PRIOR TO SHUT DOWN OF ANY SYSTEM OR DISRUPTION OF SERVICE TO ANY AREA. CONTRACTOR SHALL ALSO COORDINATE THE EXACT LOCATION AND TIMING OF SYSTEM(S) SHUTDOWN POINTS WITH THE OWNER REPRESENTATIVE (I.E.: ENGINEERING DEPARTMENT) CONTRACTOR SHALL MAKE EVERY EFFORT POSSIBLE TO MINIMIZE THE DURATION OF ANY DOWNTIME OR DISRUPTION PERIOD.	
11.	ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES. PIPING EXPOSED SHALL BE SLOPED AND PAINTED TO MATCH ARCHITECTURAL FINISHES. PIPING IN MECHANICAL ROOMS MAY BE EXPOSED.	
12.	PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE INACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.	
13.	CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SEWERS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.	
14.	CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.	
15.	CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURER'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL VACUUM BREAKERS WHERE REQUIRED BY CODE.	
16.	ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE IN PROVIDED CEILING SPACE.	
17.	COORDINATE PIPING INSTALLATION AS TO NOT INTERFERE WITH HVAC EQUIPMENT ACCESS.	
18.	CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING ATC CEILING AS REQUIRED FOR DEMOLITION AND NEW WORK. CONTRACTOR TO REPLACE ANY DAMAGED CEILING TILES TO MATCH EXISTING.	
19.	WORK IN CORRIDORS SHALL BE PERFORMED AFTER NORMAL BUSINESS HOURS.	
20.	REFER TO ARCHITECTURAL PHASING PLAN FOR PROJECT PHASING. COORDINATE REQUIRED WORK WITH ALL OTHER TRADES FOR EACH PHASE. CONTRACTOR SHALL MAINTAIN PROJECT DEADLINES FOR EACH PHASE AND COORDINATE AREA OF WORK AND SHUTDOWNS WITH OWNER AND ARCHITECT.	
21.	ALL DOMESTIC WATER LINES MUST BE TESTED AND STERILIZED IN ACCORDANCE WITH SPECIFICATIONS PRIOR TO PLACING INTO SERVICE.	

PLUMBING RENOVATION NOTES	
1.	WHERE EXISTING PIPING IS DESIGNATED TO BE REMOVED AND CAPPED, ALL PIPING SERVING THE DESIGNATED FIXTURE SHALL BE REMOVED FROM WITHIN WALLS TO THE POINT DESIGNATED ON THE DRAWINGS OR TO A CLEARLY VISIBLE POINT BELOW THE FLOOR IN THE CRAWL SPACE OR ABOVE THE CEILING. PIPING SHALL BE CAPPED BY APPROVED CAPPING METHODS UTILIZING PIPE CAPS INTENDED FOR SUCH USE. ALL CAPS SHALL BE AIRTIGHT AND WATERTIGHT. WATER PIPING SHALL NOT BE LEFT STUBBED FROM MAIN. REMOVE AND COUPLE SECTION OF MAIN AT CONNECTION.
2.	WHERE EXISTING SURFACES ARE DISRUPTED DUE TO THE REMOVAL OF EXISTING EQUIPMENT OR PIPING, THIS CONTRACTOR SHALL BE RESPONSIBLE OR THE REPAIR OF DISRUPTED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
3.	PLUMBING FIXTURES DESIGNATED TO BE REUSED SHALL BE CLEANED AND MAINTENANCE SERVICED TO OPERATE AS INTENDED.
4.	EXISTING CONDITIONS AS SHOWN ON THE DRAWINGS ARE TAKEN FROM ORIGINAL AND AS-BUILT DRAWINGS OF THE BUILDING AND IN PART ARE UNVERIFIED. FIELD CONDITIONS SHALL GOVERN. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO INITIATION OF WORK.
5.	ALL EXISTING SANITARY AND DOMESTIC WATER PIPING SHALL BE RELOCATED TO CREATE REQUIRED SPACE FOR INSTALLATION OF ALL NEW SERVICES FOR NEW CONSTRUCTION, INCLUDING BUT NOT LIMITED TO H.V.A.C., ELECTRICAL, PLUMBING, AND FIRE PROTECTION TRADES. CONTRACTOR SHALL INCLUDE ALL NEW PIPING AND FITTINGS REQUIRED AND RELOCATE ANY AND ALL EXISTING SERVICES.
6.	ALL EXISTING PIPING, NOT REMAINING IN SERVICE AFTER NEW CONSTRUCTION, SHALL BE REMOVED.
7.	PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING PLUMBING FIXTURES AND TRIM, PIPING, VALVES, ETC. IN AREAS TO BE DEMOLISHED.
8.	ALL EXISTING PLUMBING FIXTURES TO BE REMOVED AND ARE NOT TO BE REUSED SHALL REMAIN THE PROPERTY OF THE OWNER. DISCARD UNWANTED FIXTURES AT AT THE DISCRETION OF THE OWNER.
9.	PIPING WHICH IS TO REMAIN IN SERVICE SHALL NOT BE DISTURBED. EXISTING PIPING BROKEN DURING CONSTRUCTION SHALL BE REPLACED WITH NEW PIPING OF THE SAME SIZE AND MATERIAL.
10.	ALL EXISTING SANITARY AND DOMESTIC WATER PIPING THAT ARE LOCATED IN EXISTING WALLS TO BE DEMOLISHED AND REMAINING IN SERVICE AFTER CONSTRUCTION SHALL BE RELOCATED TO NEW WALLS, CHASES, ETC.
11.	COORDINATE WITH GENERAL CONTRACTOR TO PATCH ALL EXISTING WALLS, FLOORS, CEILINGS, ETC., AS REQUIRED BY NEW WORK.

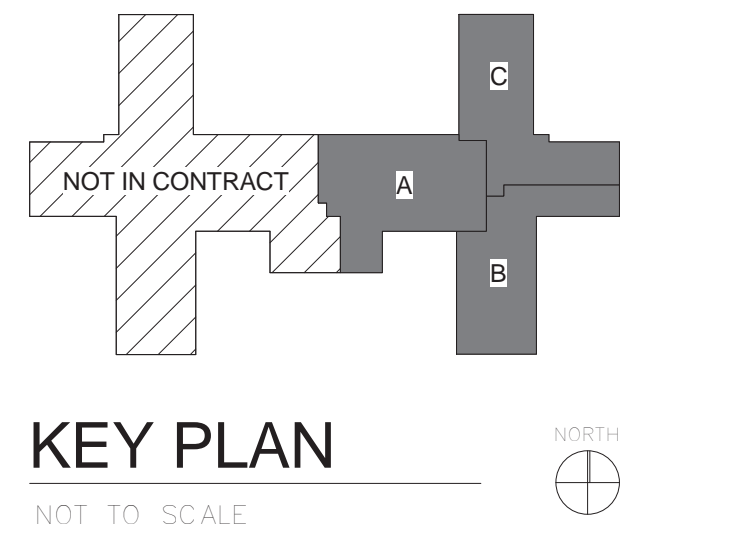
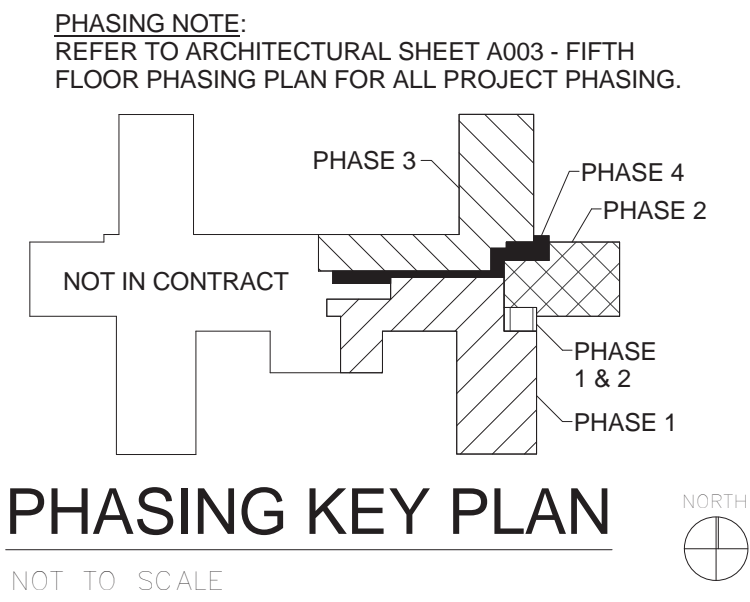
PLUMBING RENOVATION NOTES	
LINETYPE	DESCRIPTION
—————G—————	GAS
—————	SANITARY ABOVE GRADE
—————	SANITARY BELOW GRADE
—————	VENT ABOVE GRADE
—————	VENT BELOW GRADE
—————	COLD WATER
—————	COLD WATER BELOW GRADE
—————	HOT WATER
—————	RECIRC WATER
—————	BELOW GRADE STORM
—————	ABOVE GRADE STORM
—————	DEMOLITION

PLUMBING SYMBOLS LEGEND	
	CIRCUIT SETTER
	BALL VALVE OR SHUT-OFF VALVE
	SPRING CHECK VALVE
	END CAP
	NEW TO EXISTING PIPE CONNECTION
	FLOW DIRECTION ARROW
	PRESSURE REDUCING VALVE (PRV)
	RPZ VALVE OR BACKFLOW PREVENTER
	PIPE REDUCER FITTING
	PIPING ELBOW DOWN
	PIPING ELBOW UP OR PIPING RISER UP & DOWN
	PIPING TEE DOWN
	PIPING TEE UP OR PIPING RISER UP & DOWN
	NEW TO EXISTING POINT OF CONNECTION SYMBOL
	HAMMER ARRESTOR (ISOMETRIC VIEW)
	HAMMER ARRESTOR (TOP VIEW)
	REGULATOR
	MEDICAL VACUUM OUTLET
	SLIDE BRACKET
	OXYGEN OUTLET
	MEDICAL AIR OUTLET
	LABORATORY AIR OUTLET
	AREA ALARM PANEL (MEDICAL GAS)
	ZONE VALVE BOX (MEDICAL GAS)
	PIPING LINEWEIGHT: NEW/DEMOLITION
	PIPING LINEWEIGHT: EXISTING

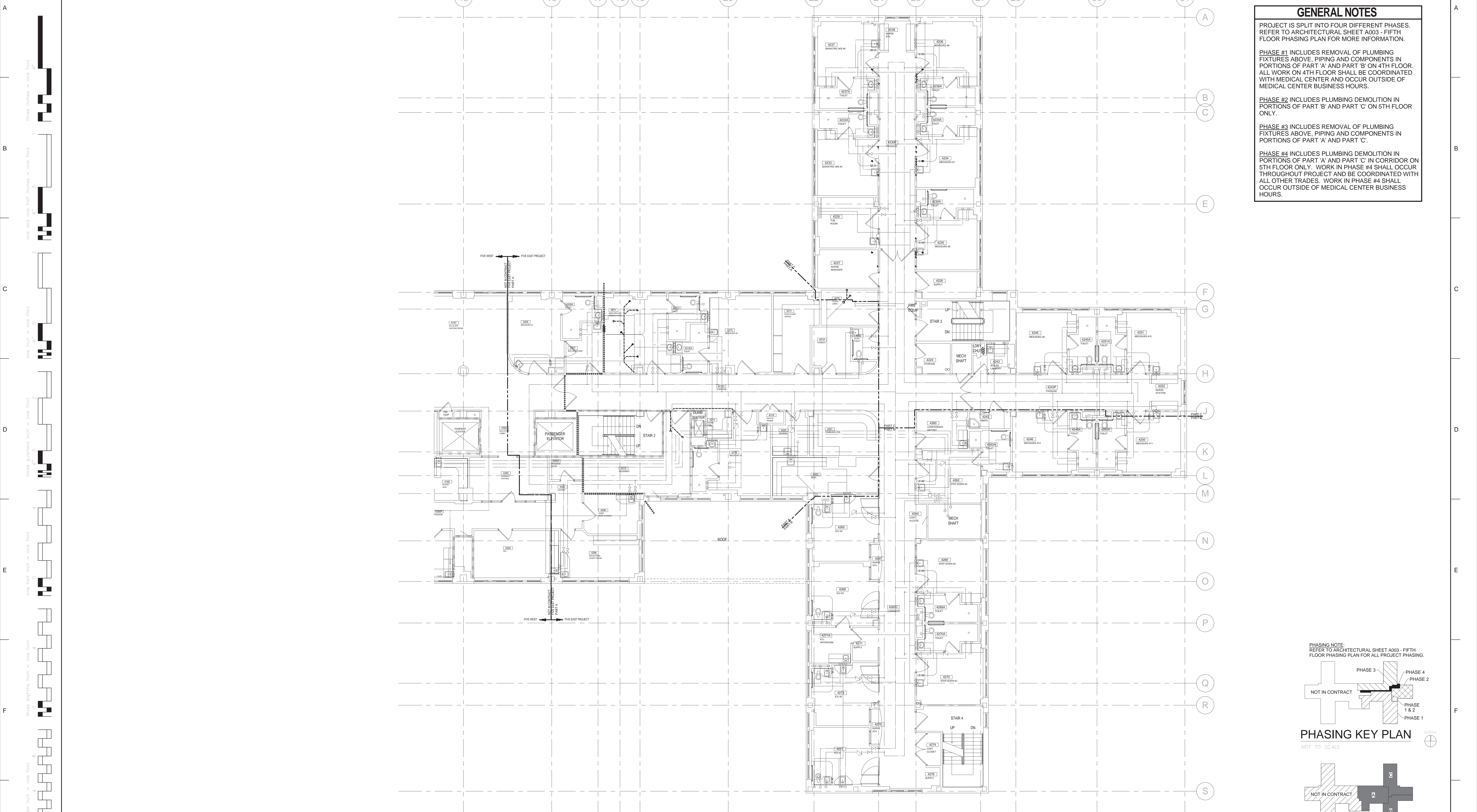
PLUMBING FIXTURE SCHEDULE									
MARK	FIXTURE	MANUF.	MODEL	MOUNT	ROUGH-IN SCHEDULE				FITTINGS & REMARKS
					COLD	HOT	WASTE	VENT	
S-1	SINGLE COMPARTMENT SINK	ELKAY	LRAD1918-3 6 1/2" DEPTH	COUNTER	1/2"	1/2"	1 1/2"	1 1/2"	PROVIDE CHICAGO #786-E29VPXKABCP FAUCET, MCGUIRE 8912 P-TRAP, 151ALT STRAINER W/ 17 GA TAILPIECE, H2165CCLK STOPS, WATTS LFUSG-B MIXING VALVE SET TO 115°F, AND WATTS LF600 CHECK VALVES ON SUPPLIES. SEE DETAIL SHEET.
EW-C-1	ELECTRIC WATER COOLER SYSTEM	ELKAY	EZSTLBWSLK	WALL	1/2"	-	1 1/2"	1 1/2"	PROVIDE 1 1/2" PLASTIC P-TRAP AND WASTE ARM PER MANUFACTURER'S RECOMMENDATIONS. ADA INSTALL.
MS-1	MOP SINK	FIAT	TSBCR-1100	FLOOR	1/2"	1/2"	3"	-	PROVIDE CHICAGO 911-ISC P FAUCET, FIAT 832-AA HOSE & HOSE HOLDER, FIAT 889-CC MOP HANGER, FIAT E-77-AA BUMPER GUARDS, FIAT MSG-2424 WALL GUARDS, FIAT 1453-BB FLAT STAINLESS STEEL STRAINER & FIAT QDC'S.
L-1	WALL HUNG LAVATORY	KOHLER	K-2030-0	WALL	1/2"	1/2"	1 1/2"	1 1/2"	PROVIDE CHICAGO #786-E29VPXKABCP FAUCET, MCGUIRE 8902 P-TRAP, 155A STRAINER, & H2165CC STOPS, TRUEBRO LAV GUARD & WADE 520 CARRIER. PROVIDE WATTS LFUSG-B MIXING VALVE SET TO 115°F, AND WATTS LF600 CHECK VALVES ON SUPPLIES. SEE DETAIL SHEET.
UR-1	URINAL ADA HEIGHT	KOHLER	K-4960-ET	WALL	3/4"	-	2"	1 1/2"	PROVIDE SLOAN ROYAL 186-1.0 FLUSH VALVE AND ZURN Z-1222 CARRIER. ADA INSTALLATION.
WC-1	ADA WATER CLOSET	KOHLER	K-4325-0	WALL	1 1/2"	-	4"	2"	PROVIDE BEIMS 1655C SEAT COVER, SLOAN ROYAL 111 FLUSH VALVE AND ZURN Z1203-ND4 CARRIER FOR BACK TO BACK INSTALLATION AND Z1203-N4 FOR SINGLE APPLICATION. ADA INSTALLATION.
FD-1	FLOOR DRAIN	SILOUX CHIEF	833-22NR	FLOOR	-	-	2"	-	INSTALL FLUSH WITH FINISHED FLOOR. OR EQUAL.
HA-1	HAMMER ARRESTOR	WATTS	15M2-B	PIPE	3/4"	-	-	-	OR APPROVED EQUAL.
NOTES: 1. A WATER-HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED. INSTALL PER MANUFACTURER'S SPECIFICATIONS. WATER-HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010. 2. SEE PLUMBING AND MEDICAL GAS DETAIL SHEET FOR MORE INFORMATION.									

PLUMBING ABBREVIATIONS	
AA	AREA ALARM PANEL (MEDICAL GAS)
AG	ABOVE GRADE
ADD	ADDENDUM
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
ALT	ALTERNATE
BG	BELOW GRADE
CA	COMPRESSED AIR
CO	CLEANOUT
COL	COLUMN
CW	COLD WATER (DOMESTIC)
DA	DENTAL AIR
DN	DOWN
DS	DOWNSPOUT/STORM LEADER
DV	DENTAL VACUUM
EC	ELECTRICAL CONTRACTOR
EQ	EQUAL
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLR	FLOOR
FOV	FUEL OIL VENT
FS	FLOOR SINK
FT	FOOT (FEET)
FV	FLUSH VALVE
GAL	GALLON
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HA	HAMMER ARRESTOR
HW	HOT WATER (DOMESTIC)
HWR	HOT WATER RETURN (DOMESTIC)
LA	LABORATORY AIR
MA	MEDICAL AIR
MANUF	MANUFACTURER
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MED	MEDICAL
MIN	MINIMUM
MV	MEDICAL VACUUM
NTS	NOT TO SCALE
NPCW	NON POTABLE COLD WATER
O2	OXYGEN
OS	OPEN SITE DRAIN
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
SAN	SANITARY
SCH	SCHEDULE
SPEC	SPECIFICATIONS
SS	SANITARY STACK
TEMP	TEMPORARY
TW	TEPID WATER (DOMESTIC)
TYP	TYPICAL
V	VENT
VS	VENT STACK
VTR	VENT THRU ROOF
WA	WASTE ANESTHESIA
W	WITH
WCO	WALL CLEANOUT
WC	WATER CLOSET
ZB	ZONE VALVE BOX (MEDICAL GAS)

PLUMBING SHEET INDEX	
PL001	PLUMBING & MEDICAL GAS LEAD SHEET
PD100	4TH FLOOR PLUMBING DEMOLITION PLAN - OVERALL (FOR REFERENCE ONLY)
PD101	4TH FLOOR PLUMBING DEMOLITION PLAN - PART A
PD102	4TH FLOOR PLUMBING DEMOLITION PLAN - PART B
PD103	4TH FLOOR PLUMBING DEMOLITION PLAN - PART C
PD200	5TH FLOOR PLUMBING DEMOLITION PLAN - OVERALL (FOR REFERENCE ONLY)
PD201	5TH FLOOR PLUMBING DEMOLITION PLAN - PART A
PD202	5TH FLOOR PLUMBING DEMOLITION PLAN - PART B
PD203	5TH FLOOR PLUMBING DEMOLITION PLAN - PART C
MGD100	5TH FLOOR MEDICAL GAS DEMOLITION PLAN - OVERALL (FOR REFERENCE ONLY)
MGD101	5TH FLOOR MEDICAL GAS DEMOLITION PLAN - PART A
MGD102	5TH FLOOR MEDICAL GAS DEMOLITION PLAN - PART B
MGD103	5TH FLOOR MEDICAL GAS DEMOLITION PLAN - PART C
PL100	4TH FLOOR PLUMBING PLAN - OVERALL (FOR REFERENCE ONLY)
PL101	4TH FLOOR PLUMBING PLAN - PART A
PL102	4TH FLOOR PLUMBING PLAN - PART B
PL103	4TH FLOOR PLUMBING PLAN - PART C
PL200	5TH FLOOR PLUMBING PLAN - OVERALL (FOR REFERENCE ONLY)
PL201	5TH FLOOR PLUMBING PLAN - PART A
PL202	5TH FLOOR PLUMBING PLAN - PART B
PL203	5TH FLOOR PLUMBING PLAN - PART C
PL401	PLUMBING ISOMETRICS
PL501	PLUMBING & MEDICAL GAS DETAILS



--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



1 4TH FLOOR PLUMBING DEMO PLAN - OVERALL - EAST
1/8" = 1'-0"

GENERAL NOTES

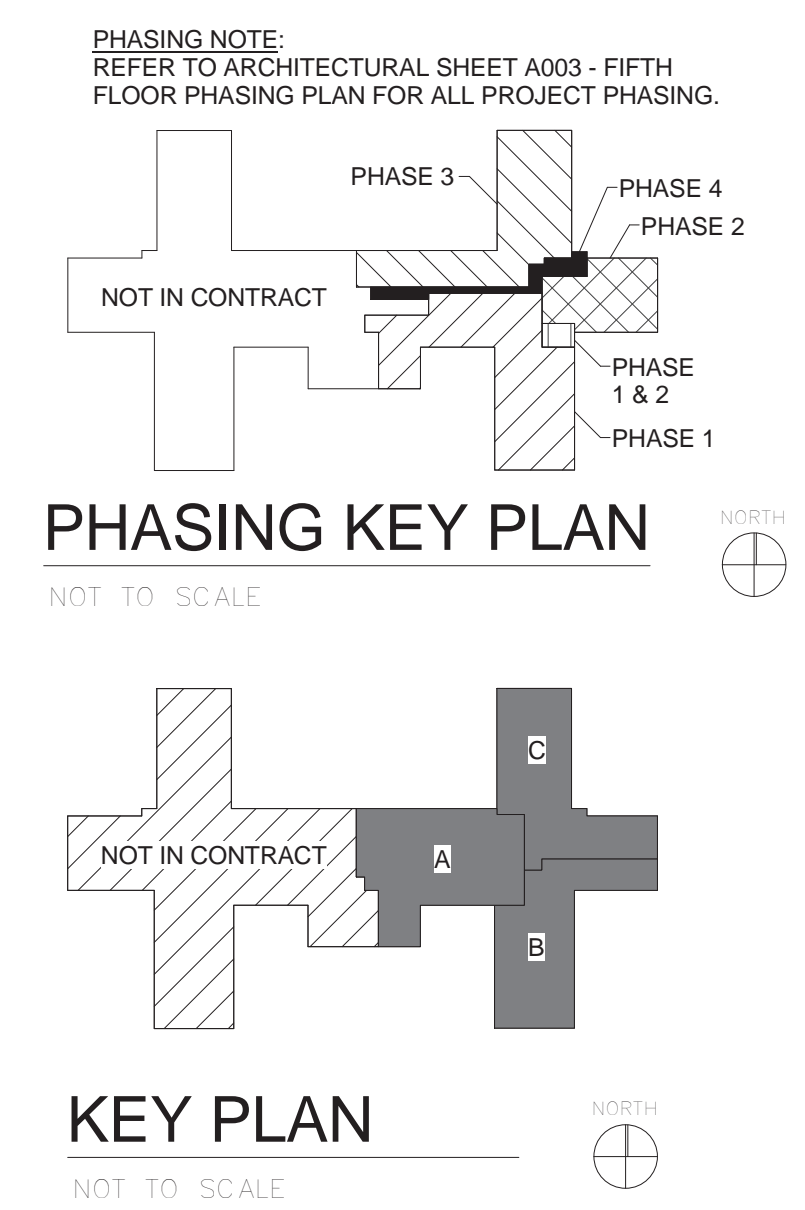
PROJECT IS SPLIT INTO FOUR DIFFERENT PHASES. REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR MORE INFORMATION.

PHASE #1 INCLUDES REMOVAL OF PLUMBING FIXTURES ABOVE, PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'B' ON 4TH FLOOR. ALL WORK ON 4TH FLOOR SHALL BE COORDINATED WITH MEDICAL CENTER AND OCCUR OUTSIDE OF MEDICAL CENTER BUSINESS HOURS.

PHASE #2 INCLUDES PLUMBING DEMOLITION IN PORTIONS OF PART 'B' AND PART 'C' ON 5TH FLOOR ONLY.

PHASE #3 INCLUDES REMOVAL OF PLUMBING FIXTURES ABOVE, PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C'.

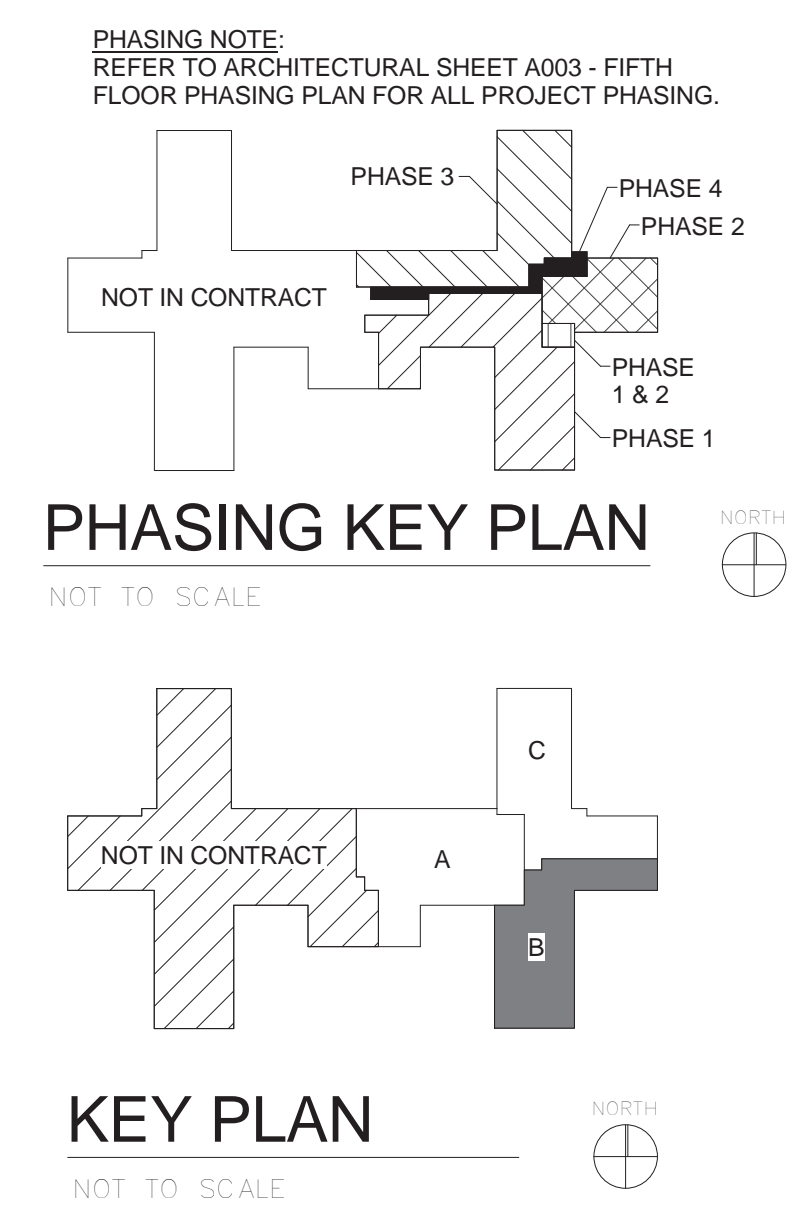
PHASE #4 INCLUDES PLUMBING DEMOLITION IN PORTIONS OF PART 'A' AND PART 'C' IN CORRIDOR ON 5TH FLOOR ONLY. WORK IN PHASE #4 SHALL OCCUR THROUGHOUT PROJECT AND BE COORDINATED WITH ALL OTHER TRADES. WORK IN PHASE #4 SHALL OCCUR OUTSIDE OF MEDICAL CENTER BUSINESS HOURS.



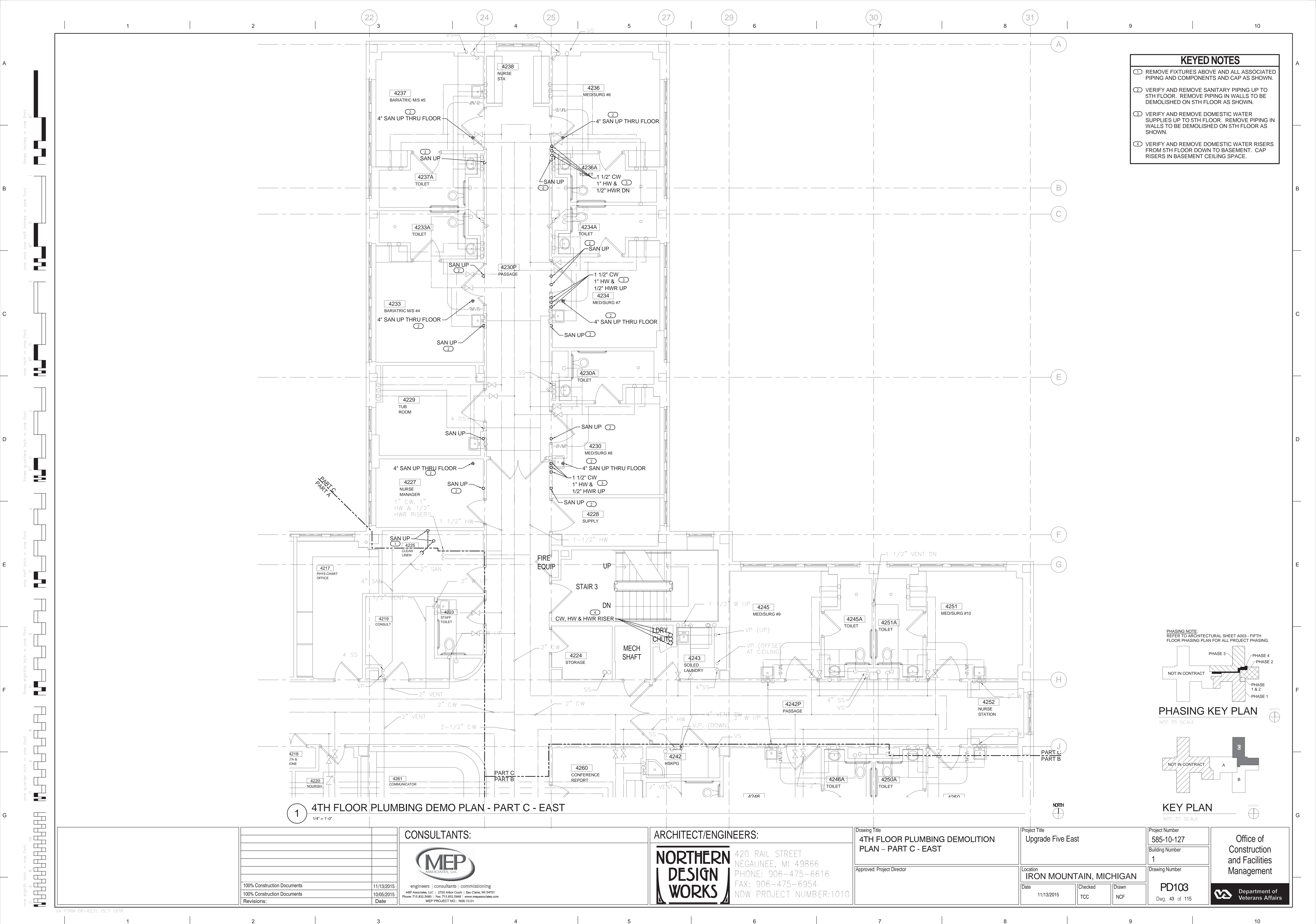
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

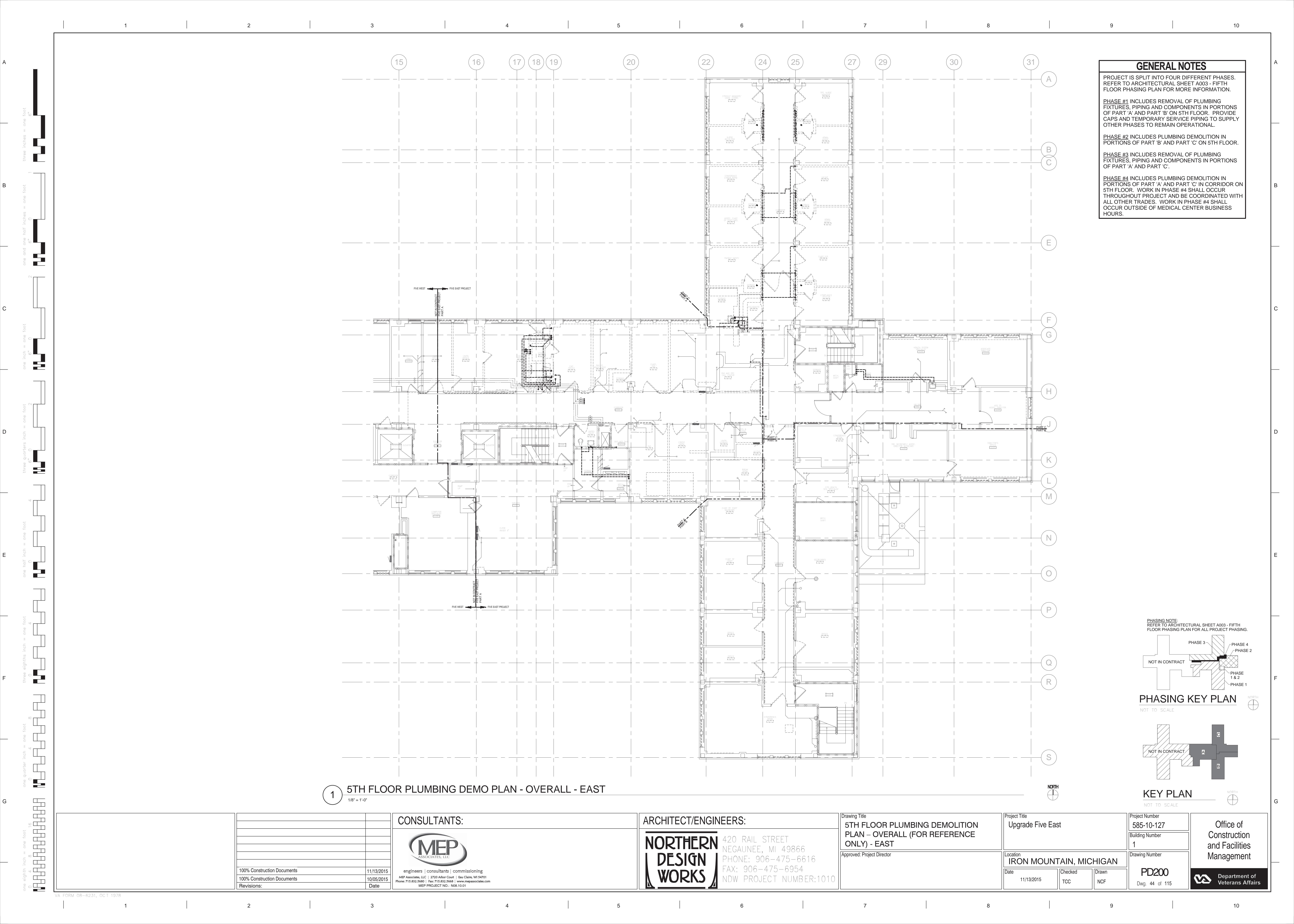


Department of
Veterans Affairs



VA FORM 08-6231, OCT 1978									
1	2	3	4	5	6	7	8	9	10





GENERAL NOTES

PROJECT IS SPLIT INTO FOUR DIFFERENT PHASES. REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR MORE INFORMATION.

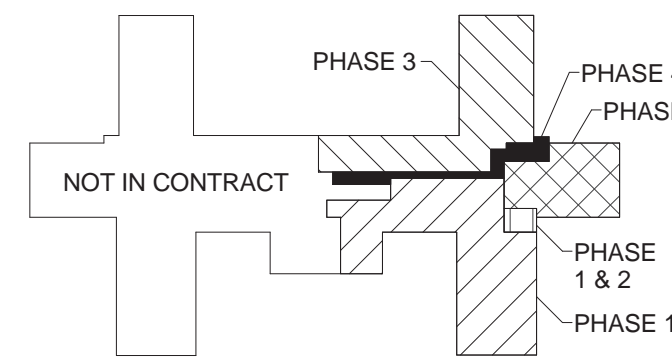
PHASE #1 INCLUDES REMOVAL OF PLUMBING FIXTURES, PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'B' ON 5TH FLOOR. PROVIDE CAPS AND TEMPORARY SERVICE PIPING TO SUPPLY OTHER PHASES TO REMAIN OPERATIONAL.

PHASE #2 INCLUDES PLUMBING DEMOLITION IN PORTIONS OF PART 'B' AND PART 'C' ON 5TH FLOOR.

PHASE #3 INCLUDES REMOVAL OF PLUMBING FIXTURES, PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C'.

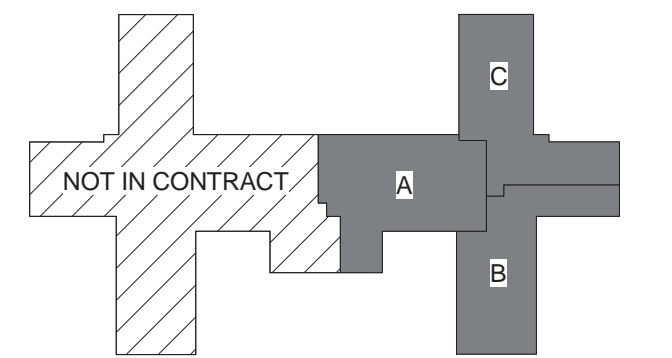
PHASE #4 INCLUDES PLUMBING DEMOLITION IN PORTIONS OF PART 'A' AND PART 'C' IN CORRIDOR ON 5TH FLOOR. WORK IN PHASE #4 SHALL OCCUR THROUGHOUT PROJECT AND BE COORDINATED WITH ALL OTHER TRADES. WORK IN PHASE #4 SHALL OCCUR OUTSIDE OF MEDICAL CENTER BUSINESS HOURS.

PHASING NOTE:
REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR ALL PROJECT PHASING.



PHASING KEY PLAN

NOT TO SCALE



KEY PLAN

NOT TO SCALE

1 5TH FLOOR PLUMBING DEMO PLAN - OVERALL - EAST

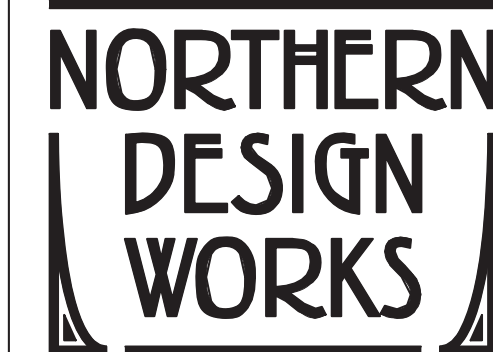
1/8" = 1'-0"

CONSULTANTS:



engineers | consultants | commissioning
MEP Associates, LLC | 2730 Arbor Court | Eau Claire, WI 54601
Phone: 715.832.5580 | Fax: 715.832.5581 | www.mepassociates.com
MEP PROJECT NO.: N08.10.01

ARCHITECT/ENGINEERS:



420 RAIL STREET
NEGAUNEE, MI 49866
PHONE: 906-475-6616
FAX: 906-475-6954
NDW PROJECT NUMBER:1010

Drawing Title
5TH FLOOR PLUMBING DEMOLITION
PLAN - OVERALL (FOR REFERENCE
ONLY) - EAST

Approved: Project Director

Project Title
Upgrade Five East

Location
IRON MOUNTAIN, MICHIGAN

Date
11/13/2015

Checked
TCC

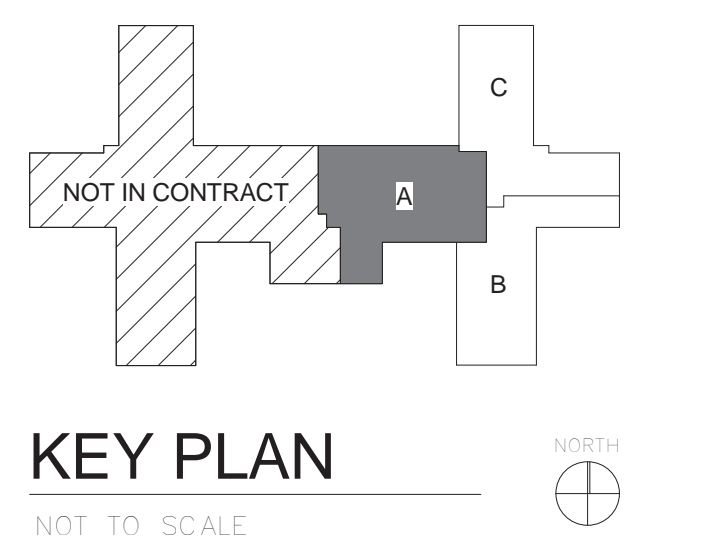
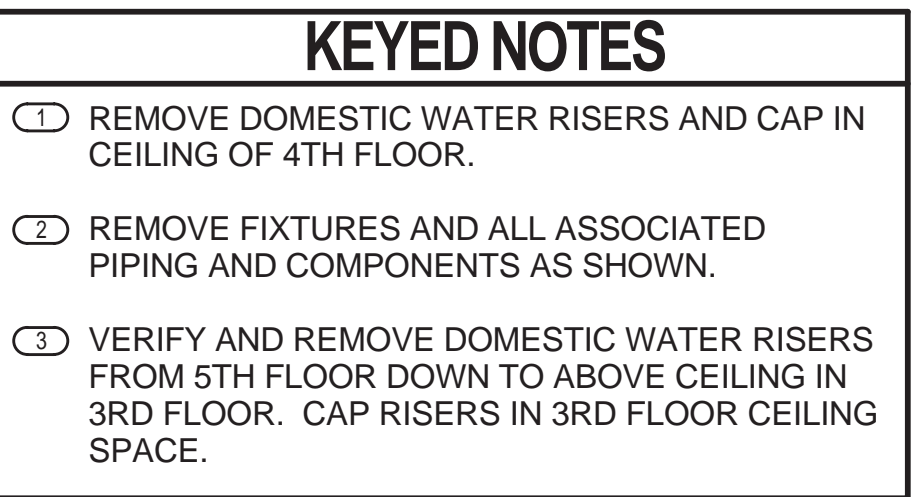
Drawn
NCF

Project Number
585-10-127
Building Number
1

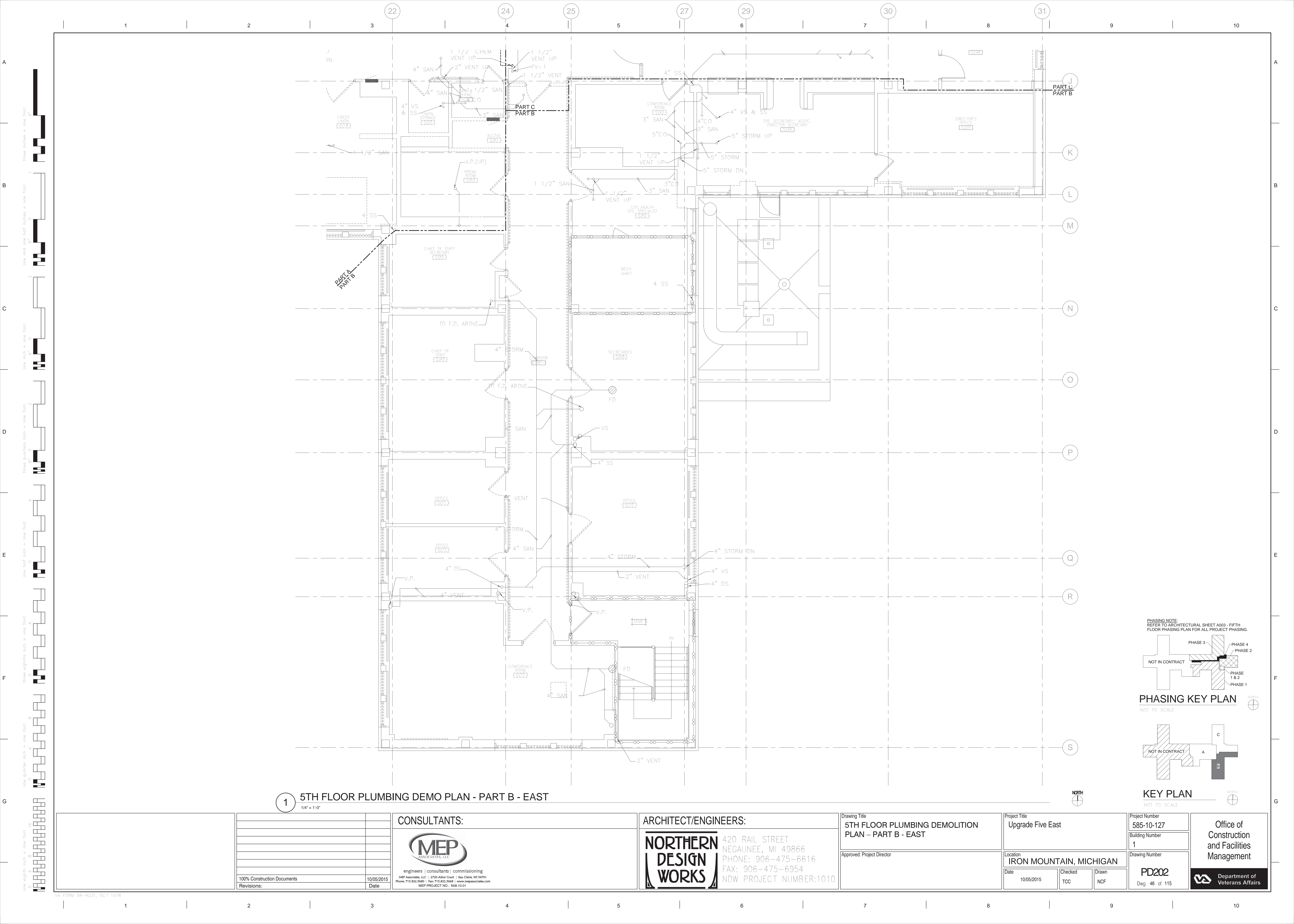
Drawing Number
PD200
Dwg. 44 of 115

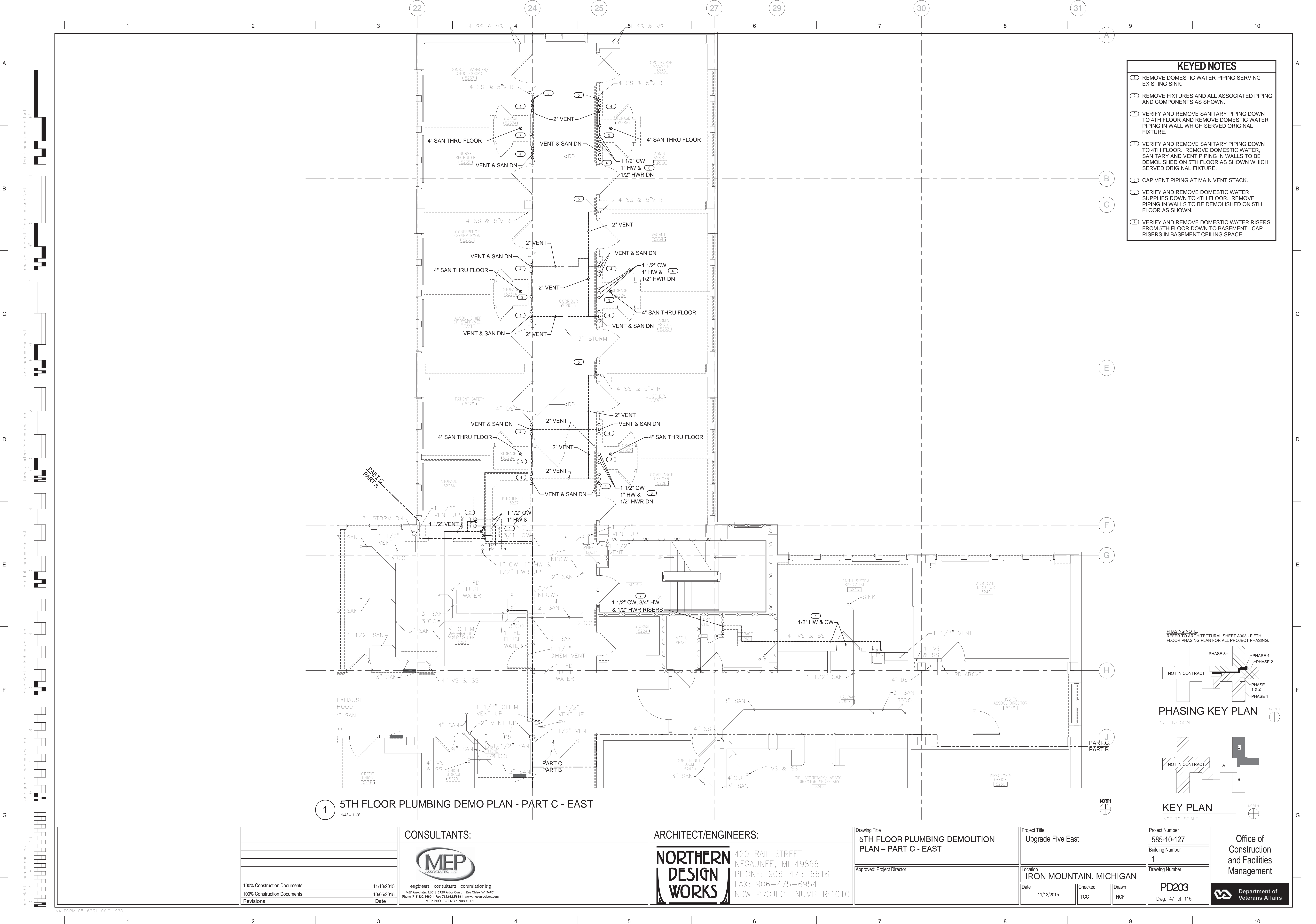
Office of
Construction
and Facilities
Management



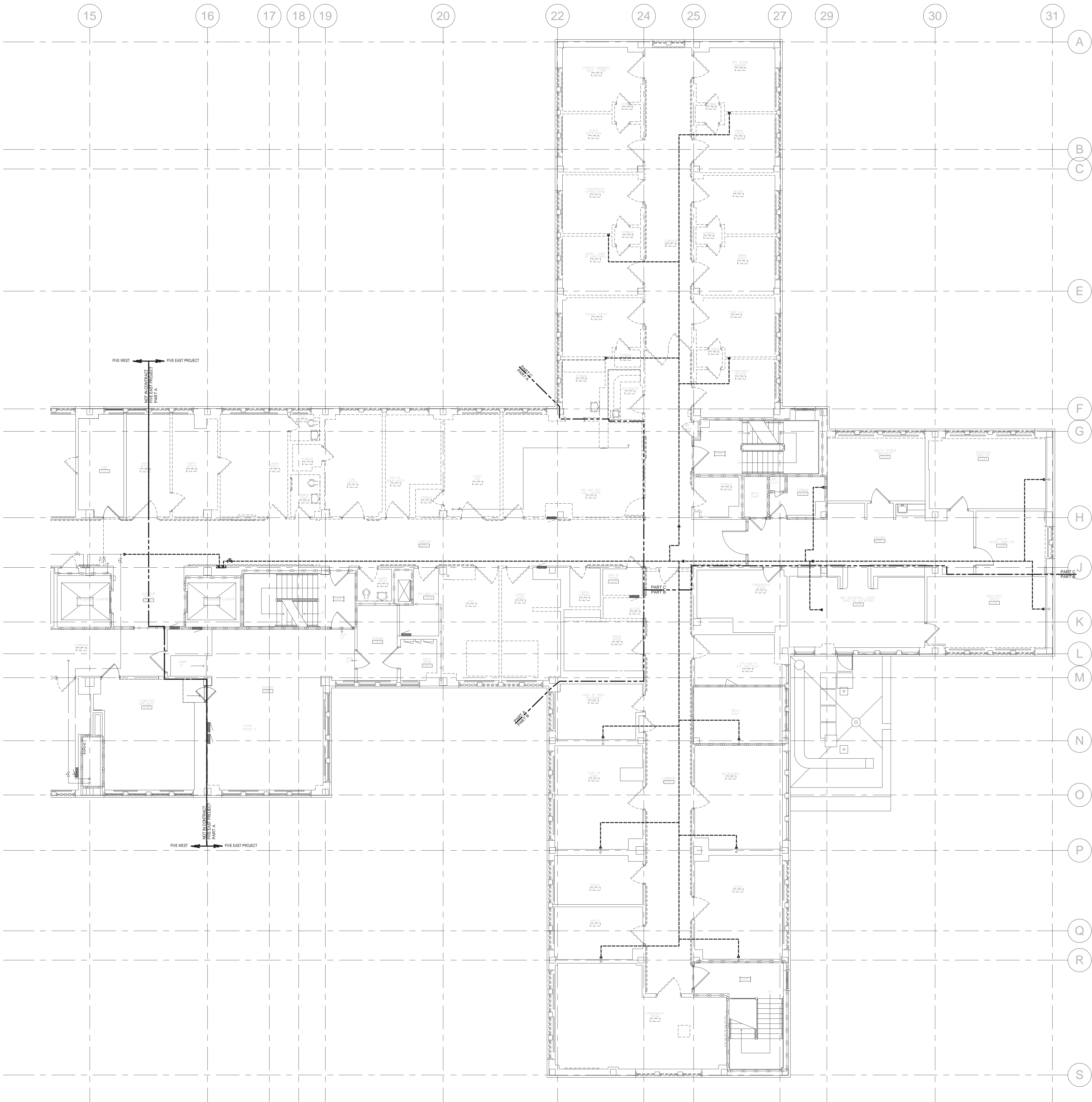


NORTH





three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one eighth inch = one foot



GENERAL NOTES

PROJECT IS SPLIT INTO FOUR DIFFERENT PHASES. REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR MORE INFORMATION.

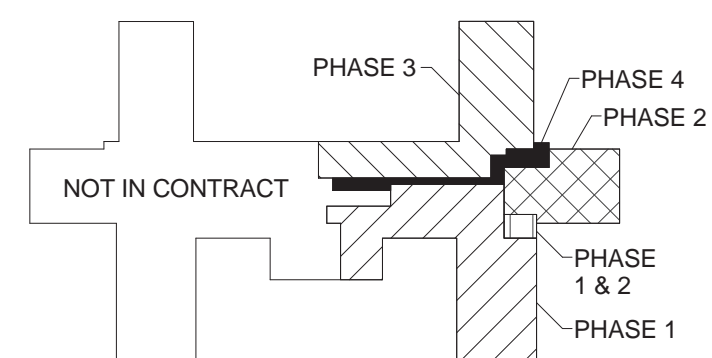
PHASE #1 INCLUDES REMOVAL OF MEDICAL VACUUM PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'B'. PROVIDE TEMPORARY CAPS AS REQUIRED FOR FUTURE DEMOLITION OF PHASE #2, #3 AND #4.

PHASE #2 INCLUDES REMOVAL OF MEDICAL VACUUM PIPING AND COMPONENTS IN PORTIONS OF PART 'B' AND PART 'C'. PROVIDE TEMPORARY CAP AS REQUIRED FOR FUTURE DEMOLITION OF PHASE #3 AND #4.

PHASE #3 INCLUDES REMOVAL OF MEDICAL VACUUM PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C'.

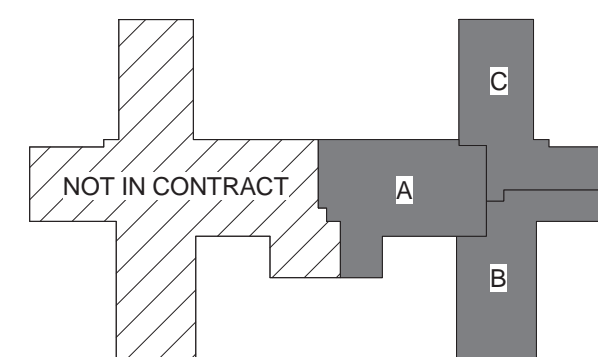
PHASE #4 INCLUDES REMOVAL OF REMAINING MEDICAL VACUUM PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C' IN CORRIDOR. WORK IN PHASE #4 SHALL OCCUR THROUGHOUT PROJECT AND BE COORDINATED WITH ALL OTHER TRADES. WORK IN PHASE #4 SHALL OCCUR OUTSIDE OF MEDICAL CENTER BUSINESS HOURS.

PHASING NOTE:
REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR ALL PROJECT PHASING.



PHASING KEY PLAN

NOT TO SCALE



KEY PLAN

NOT TO SCALE

1 5TH FLOOR MEDICAL GAS DEMO PLAN - OVERALL - EAST

1/8" = 1'-0"

CONSULTANTS:



engineers | consultants | commissioning
MEP Associates, LLC | 2730 Arbor Court | Eau Claire, WI 54601
Phone: 715.832.5580 | Fax: 715.832.5581 | www.mepassociates.com
MEP PROJECT NO.: N08.10.01

ARCHITECT/ENGINEERS:



420 RAIL STREET
NEGAUNEE, MI 49866
PHONE: 906-475-6616
FAX: 906-475-6954
NDW PROJECT NUMBER:1010

Drawing Title
**5TH FLOOR MEDICAL GAS
DEMOLITION PLAN - OVERALL (FOR
REFERENCE ONLY) - EAST**

Approved: Project Director

Project Title
Upgrade Five East

Location
IRON MOUNTAIN, MICHIGAN

Date
10/05/2015

Checked
TCC

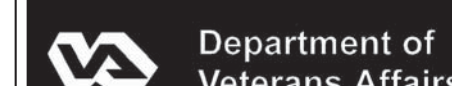
Drawn
NCF

Project Number
585-10-127

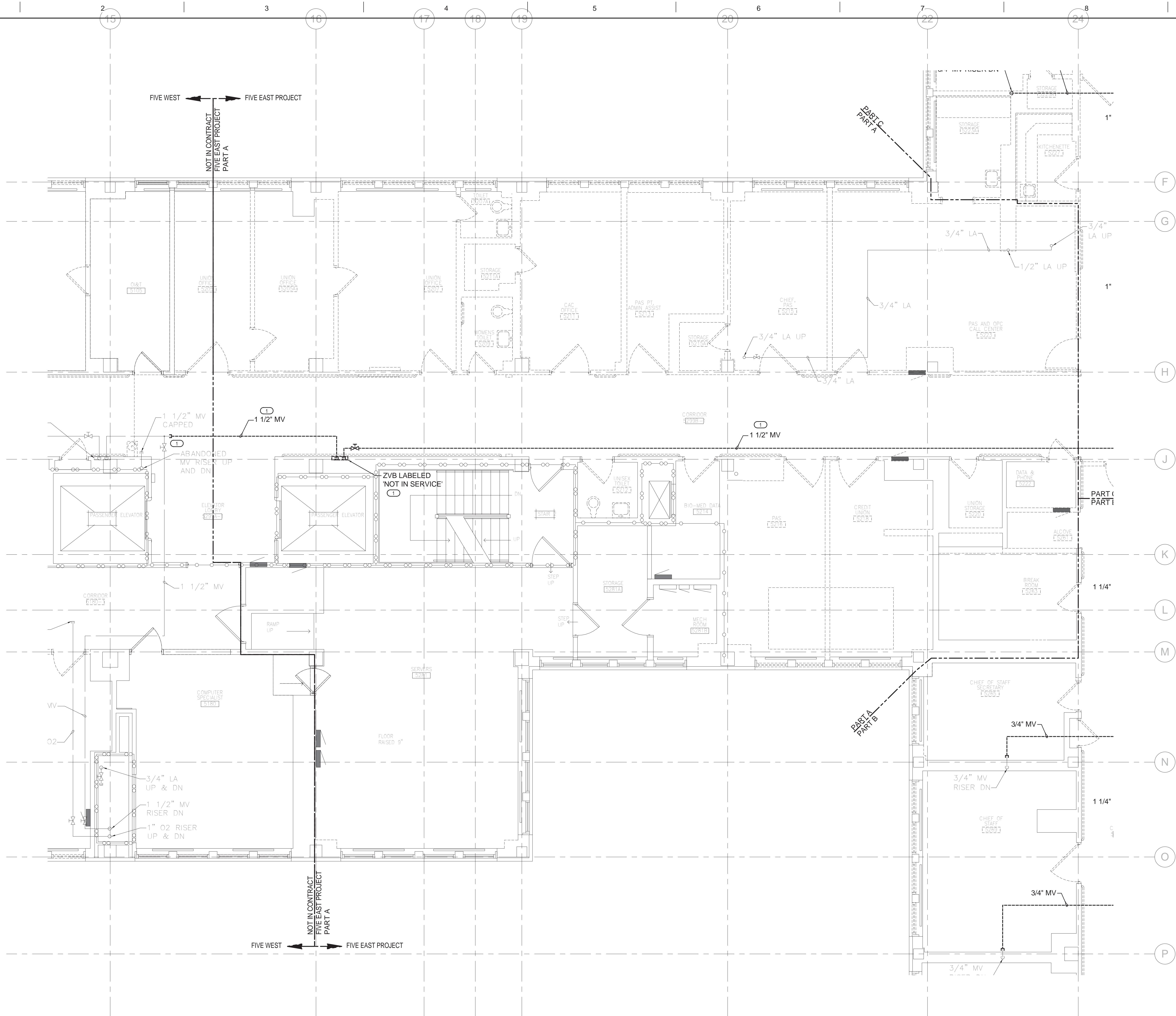
Building Number
1

Drawing Number
MGD100
Dwg. 48 of 115

Office of
Construction
and Facilities
Management

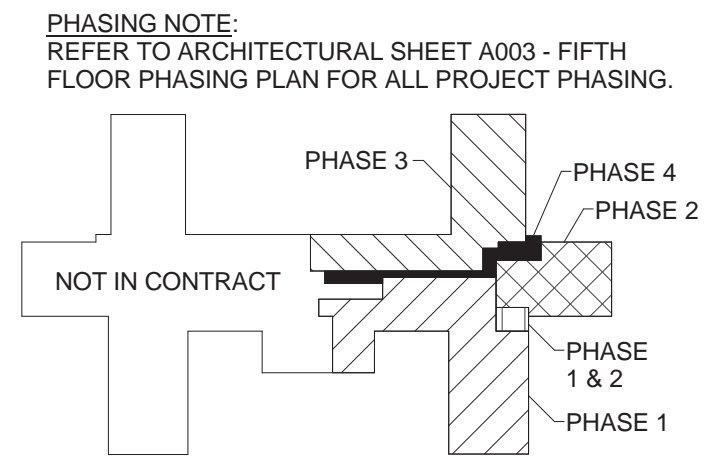


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one eighth inch = one foot

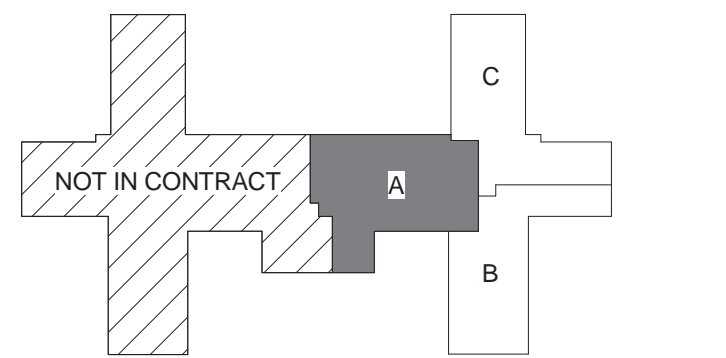


KEYED NOTES

○ REMOVE MEDICAL VACUUM PIPING AND ASSOCIATED COMPONENTS AS SHOWN. MEDICAL VACUUM PIPING IS ABANDONED AND NOT IN SERVICE. VERIFY EXTENTS OF EXISTING PIPING.






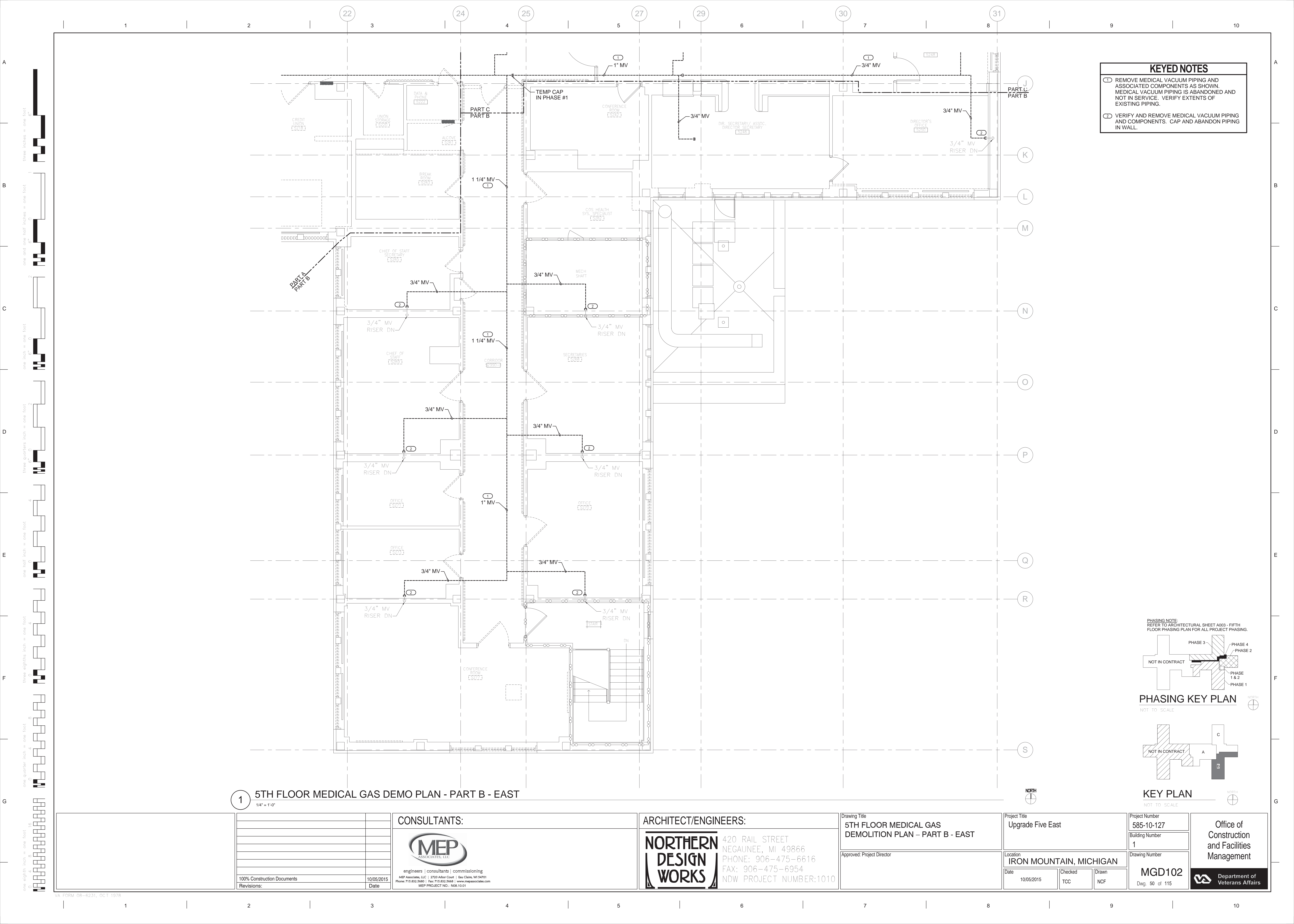
PHASING KEY PLAN
NOT TO SCALE



KEY PLAN
NOT TO SCALE

1 5TH FLOOR MEDICAL GAS DEMO PLAN - PART A - EAST
1/4" = 1'-0"

						CONSULTANTS:				ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Project Number		<div>Office of Construction and Facilities Management</div> <div> Department of Veterans Affairs</div>	
												5TH FLOOR MEDICAL GAS DEMOLITION PLAN – PART A - EAST		Upgrade Five East		585-10-127			
						engineers consultants commissioning				420 RAIL STREET NEGAUNEE, MI 49866 PHONE: 906-475-6616 FAX: 906-475-6954 NDW PROJECT NUMBER:1010		Approved: Project Director		Location		Building Number			
						MEP Associates, LLC 2730 Arbor Court Eau Claire, WI 54601 Phone: 715-832-5680 Fax: 715-832-5668 www.mepassociates.com MEP PROJECT NO.: N08.10.01								IRON MOUNTAIN, MICHIGAN		1			
100% Construction Documents		10/05/2015												Date		Checked		Drawn	
Revisions:		Date												10/05/2015		TCC		NCF	
																		MGD101	
																		Dwg. 49 of 115	



KEYED NOTES

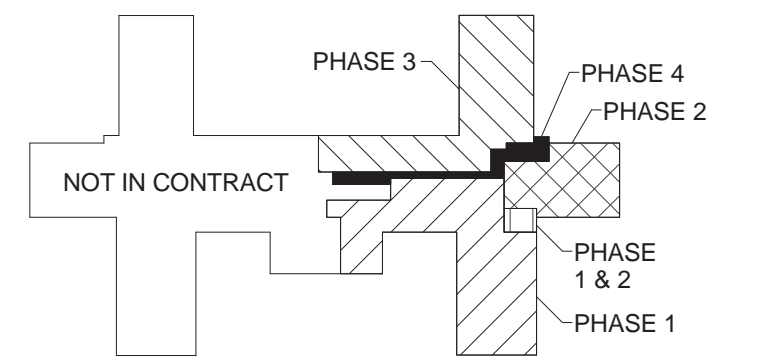
1

REMOVE MEDICAL VACUUM PIPING AND ASSOCIATED COMPONENTS AS SHOWN. MEDICAL VACUUM PIPING IS ABANDONED AND NOT IN SERVICE. VERIFY EXTENTS OF EXISTING PIPING.

2

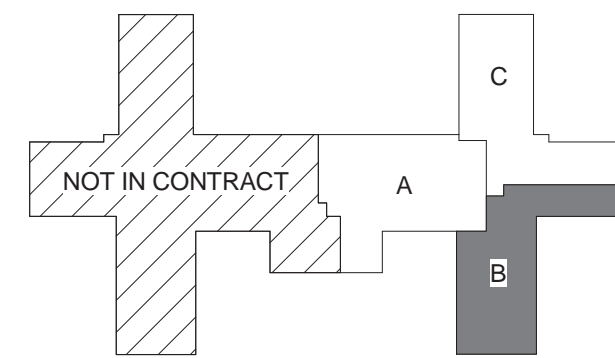
VERIFY AND REMOVE MEDICAL VACUUM PIPING AND COMPONENTS. CAP AND ABANDON PIPING IN WALL.

PHASING NOTE:
REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR ALL PROJECT PHASING.



PHASING KEY PLAN

NOT TO SCALE



KEY PLAN

NOT TO SCALE

1 5TH FLOOR MEDICAL GAS DEMO PLAN - PART B - EAST

1/4" = 1'-0"

CONSULTANTS:



engineers | consultants | commissioning
MEP Associates, LLC | 2720 Arbor Court | Eau Claire, WI 54601
Phone: 715.832.5680 | Fax: 715.832.5666 | www.mepassociates.com
MEP PROJECT NO.: N08.10.01

ARCHITECT/ENGINEERS:



420 RAIL STREET
NEGAUNEE, MI 49866
PHONE: 906-475-6616
FAX: 906-475-6954
NDW PROJECT NUMBER:1010

Drawing Title

5TH FLOOR MEDICAL GAS
DEMOLITION PLAN - PART B - EAST

Approved: Project Director

Project Title

Upgrade Five East

Location

IRON MOUNTAIN, MICHIGAN

Date

10/05/2015

Checked

TCC

Drawn

NCF

Project Number

585-10-127

Building Number

1

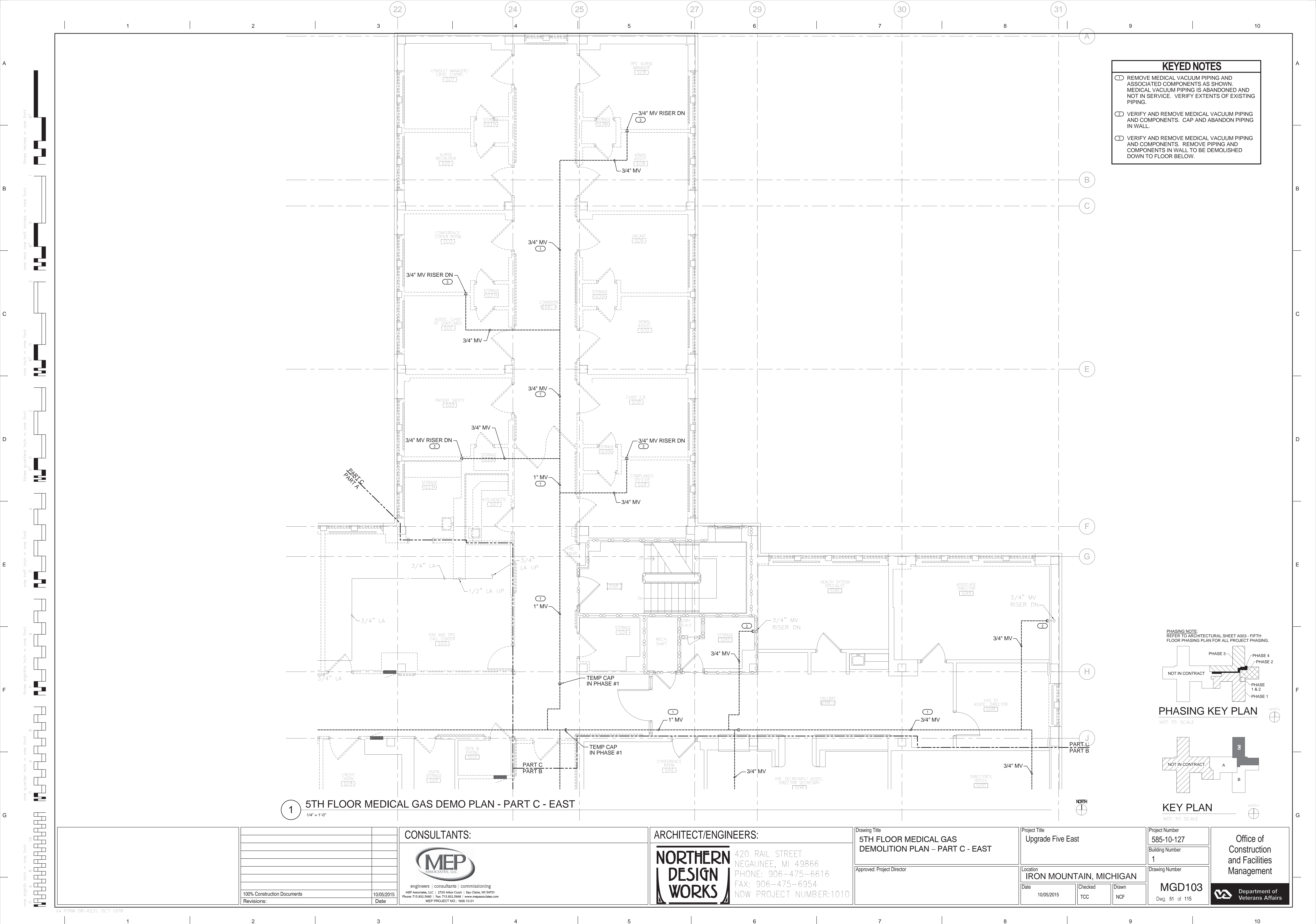
Drawing Number

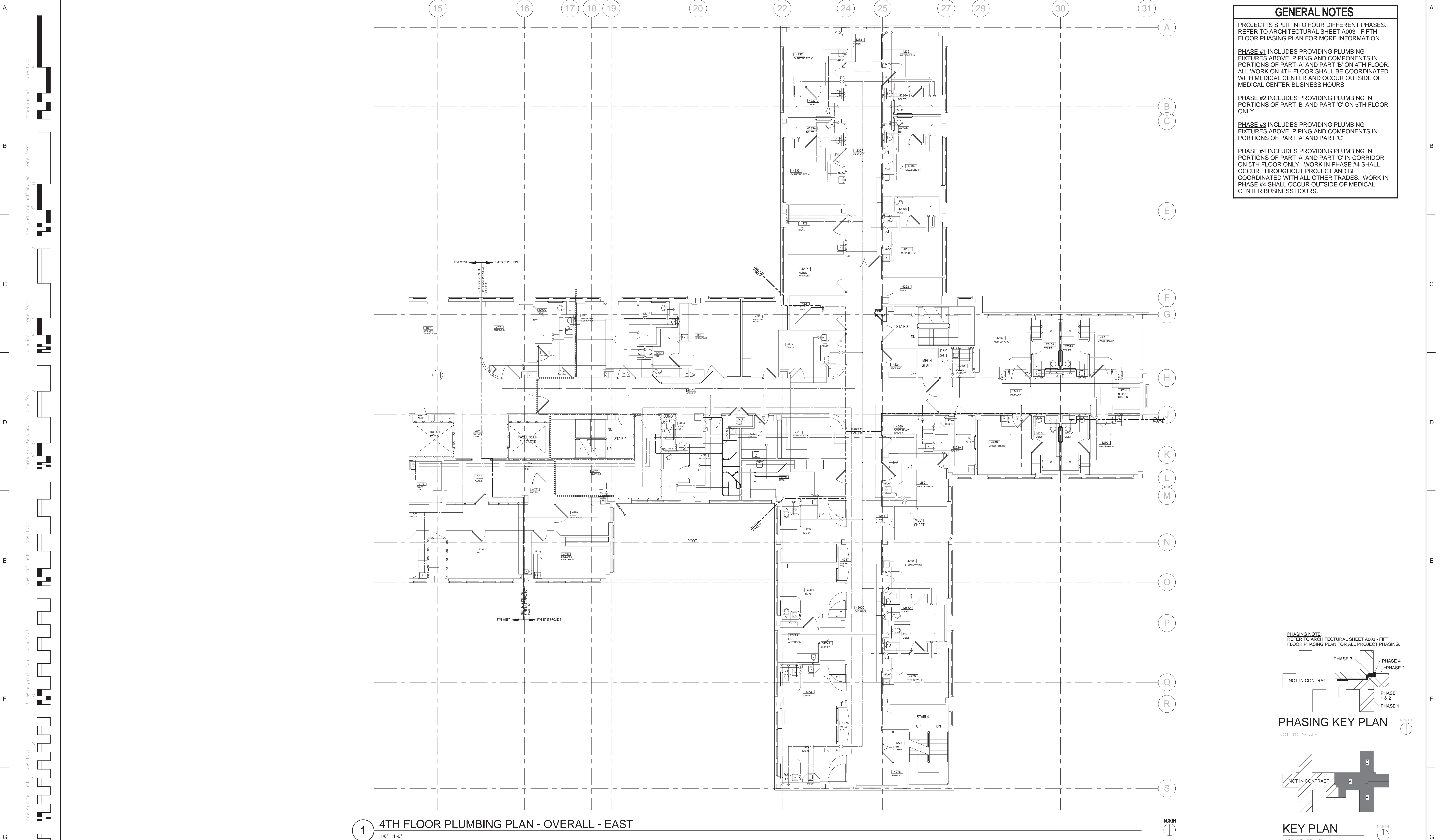
MGD102

Dwg. 50 of 115

Office of
Construction
and Facilities
Management







GENERAL NOTES

PROJECT IS SPLIT INTO FOUR DIFFERENT PHASES. REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR MORE INFORMATION.

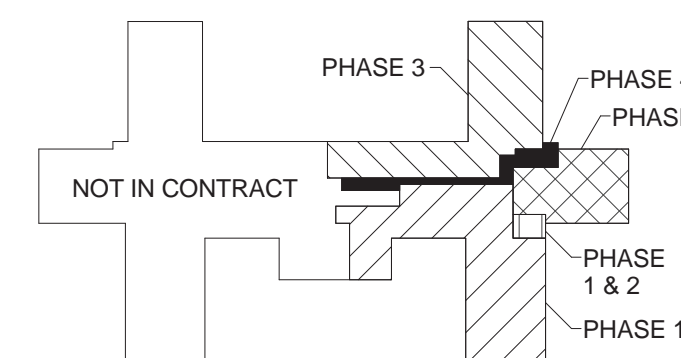
PHASE #1 INCLUDES PROVIDING PLUMBING FIXTURES ABOVE, PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'B' ON 4TH FLOOR. ALL WORK ON 4TH FLOOR SHALL BE COORDINATED WITH MEDICAL CENTER AND OCCUR OUTSIDE OF MEDICAL CENTER BUSINESS HOURS.

PHASE #2 INCLUDES PROVIDING PLUMBING IN PORTIONS OF PART 'B' AND PART 'C' ON 5TH FLOOR ONLY.

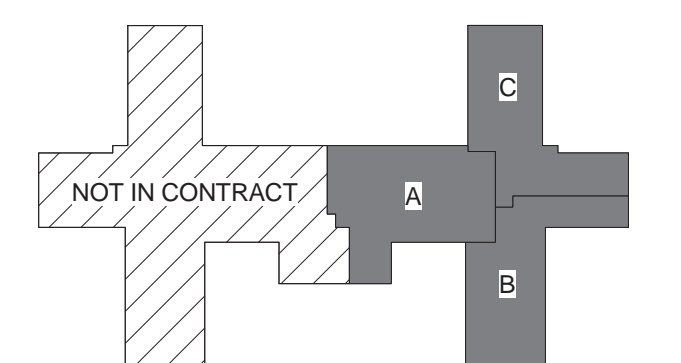
PHASE #3 INCLUDES PROVIDING PLUMBING FIXTURES ABOVE, PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C'.

PHASE #4 INCLUDES PROVIDING PLUMBING IN PORTIONS OF PART 'A' AND PART 'C' IN CORRIDOR ON 5TH FLOOR ONLY. WORK IN PHASE #4 SHALL OCCUR THROUGHOUT PROJECT AND BE COORDINATED WITH ALL OTHER TRADES. WORK IN PHASE #4 SHALL OCCUR OUTSIDE OF MEDICAL CENTER BUSINESS HOURS.

PHASING NOTE:
REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR ALL PROJECT PHASING.






PHASING KEY PLAN
NOT TO SCALE

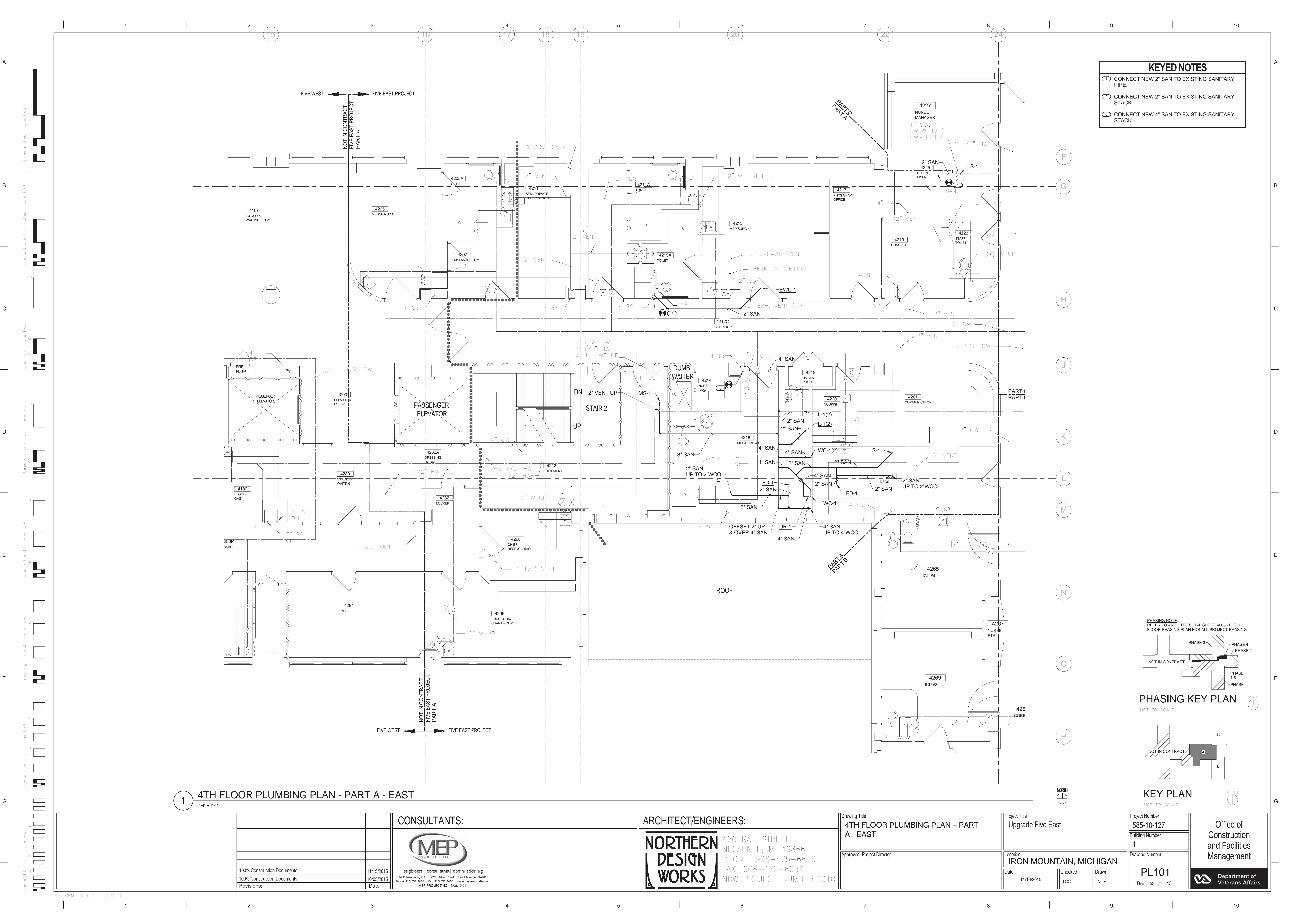


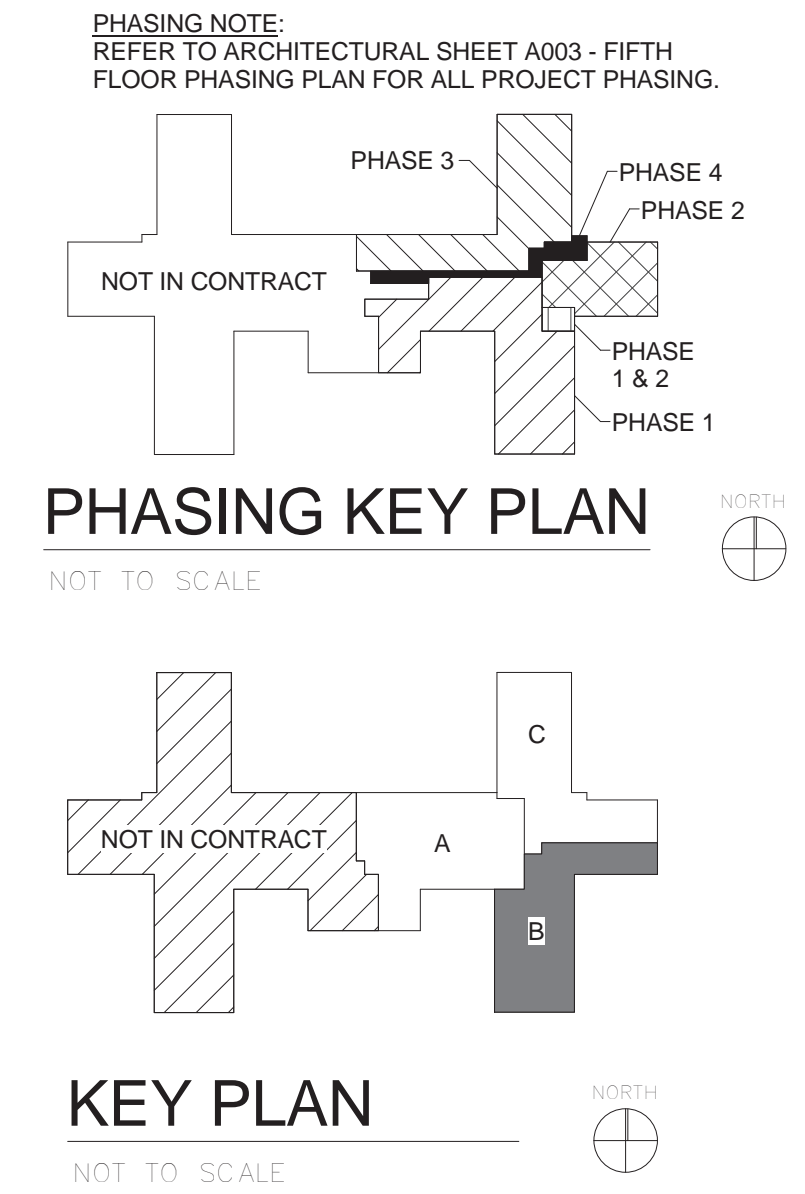
KEY PLAN
NOT TO SCALE

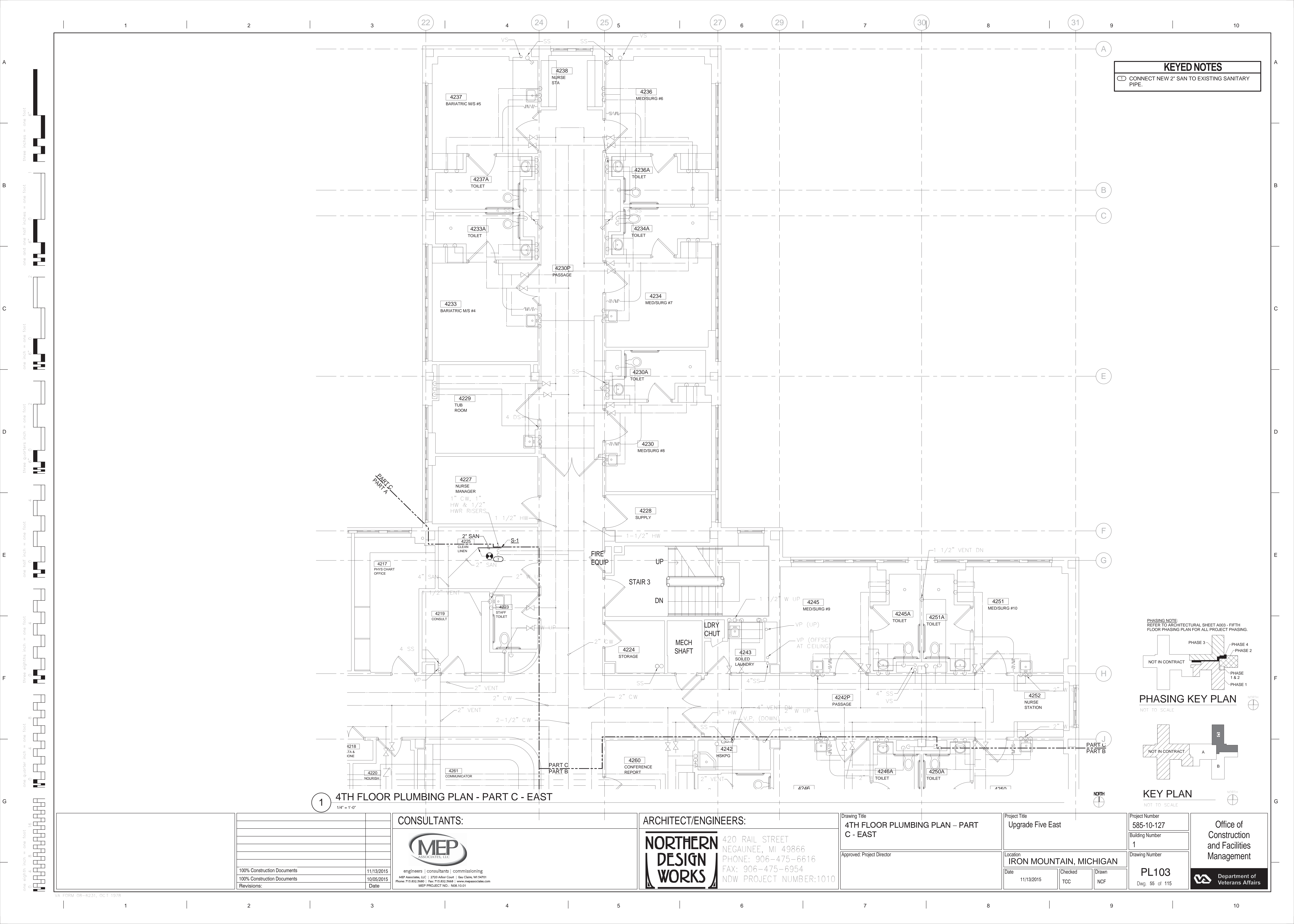
1 4TH FLOOR PLUMBING PLAN - OVERALL - EAST
1/8" = 1'-0"

		CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title 4TH FLOOR PLUMBING PLAN – OVERALL (FOR REFERENCE ONLY) - EAST		Project Title Upgrade Five East		Project Number 585-10-127		Office of Construction and Facilities Management	
						420 RAIL STREET NEGAUNEE, MI 49866 PHONE: 906-475-6616 FAX: 906-475-6954 NDW PROJECT NUMBER:1010		Building Number 1		Drawing Number PL100			
		engineers consultants commissioning MEP Associates, LLC 2750 Arbor Court Eau Claire, WI 54701 Phone: 715.832.5580 Fax: 715.832.5581 www.mepassociates.com MEP PROJECT NO. : N08.10.01				Approved: Project Director		Location IRON MOUNTAIN, MICHIGAN		Dwg. 52 of 115			
		100% Construction Documents 10/05/2015 Revisions: Date						Date 11/13/2015		Checked TCC			Drawn NCF

												 Department of Veterans Affairs	
--	--	--	--	--	--	--	--	--	--	--	--	---	--



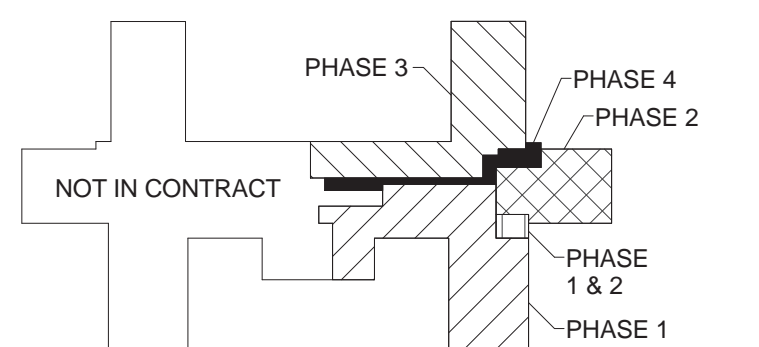




KEYED NOTES

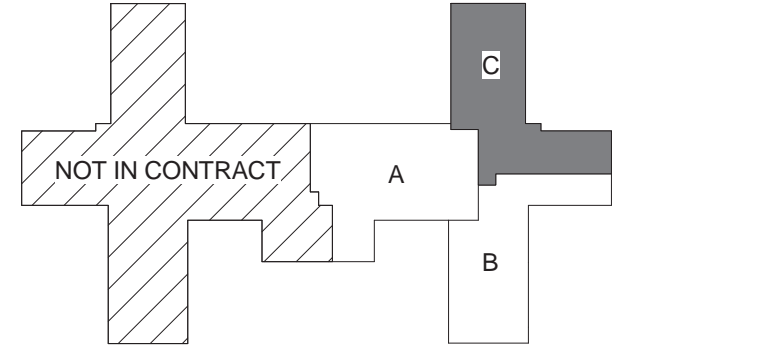
CONNECT NEW 2" SAN TO EXISTING SANITARY PIPE.

PHASING NOTE:
REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR ALL PROJECT PHASING.



PHASING KEY PLAN

NOT TO SCALE



KEY PLAN

NOT TO SCALE

1 4TH FLOOR PLUMBING PLAN - PART C - EAST

1/4" = 1'-0"

CONSULTANTS:



engineers | consultants | commissioning
MEP Associates, LLC | 2720 Arbor Court | Eau Claire, WI 54601
Phone: 715.832.5680 | Fax: 715.832.5681 | www.mepassociates.com
MEP PROJECT NO.: N08.10.01

ARCHITECT/ENGINEERS:



420 RAIL STREET
NEGAUNEE, MI 49866
PHONE: 906-475-6616
FAX: 906-475-6954
NDW PROJECT NUMBER:1010

Drawing Title
4TH FLOOR PLUMBING PLAN - PART C - EAST

Approved: Project Director

Project Title
Upgrade Five East

Location
IRON MOUNTAIN, MICHIGAN

Date
11/13/2015

Checked
TCC

Drawn
NCF

Project Number
585-10-127

Building Number
1

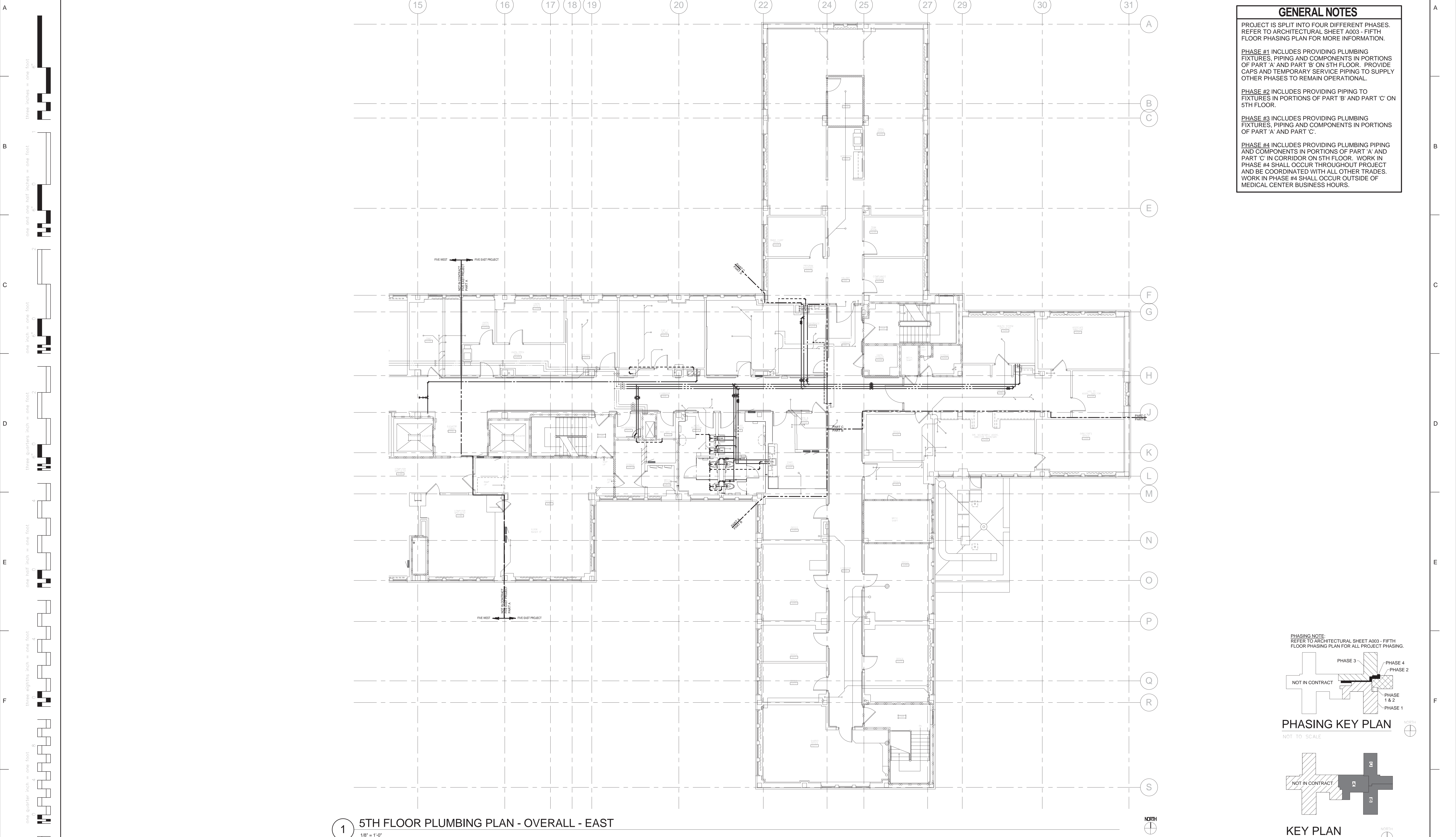
Drawing Number

PL103

Dwg. 55 of 115

Office of
Construction
and Facilities
Management





GENERAL NOTES

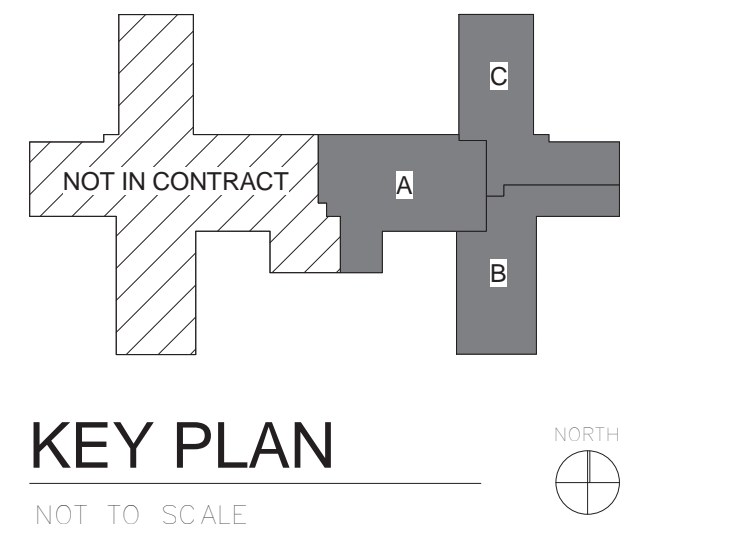
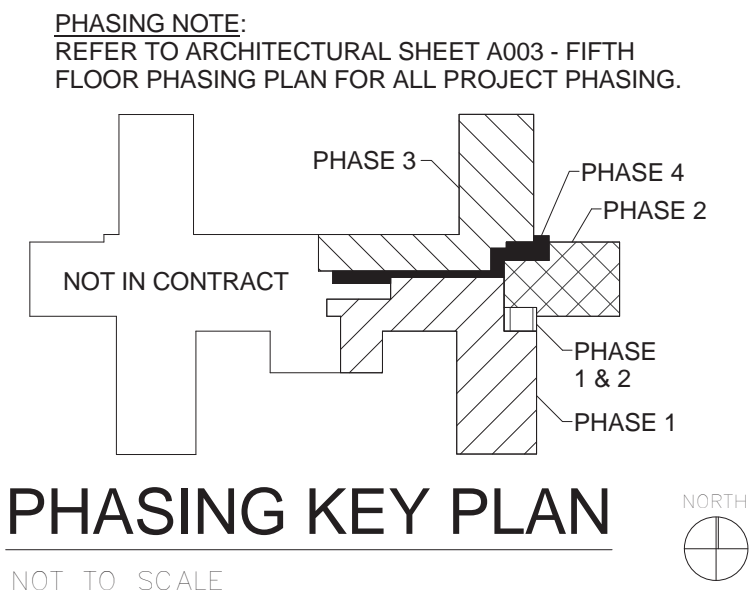
PROJECT IS SPLIT INTO FOUR DIFFERENT PHASES. REFER TO ARCHITECTURAL SHEET A003 - FIFTH FLOOR PHASING PLAN FOR MORE INFORMATION.

PHASE #1 INCLUDES PROVIDING PLUMBING FIXTURES, PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'B' ON 5TH FLOOR. PROVIDE CAPS AND TEMPORARY SERVICE PIPING TO SUPPLY OTHER PHASES TO REMAIN OPERATIONAL.

PHASE #2 INCLUDES PROVIDING PIPING TO FIXTURES IN PORTIONS OF PART 'B' AND PART 'C' ON 5TH FLOOR.

PHASE #3 INCLUDES PROVIDING PLUMBING FIXTURES, PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C'.

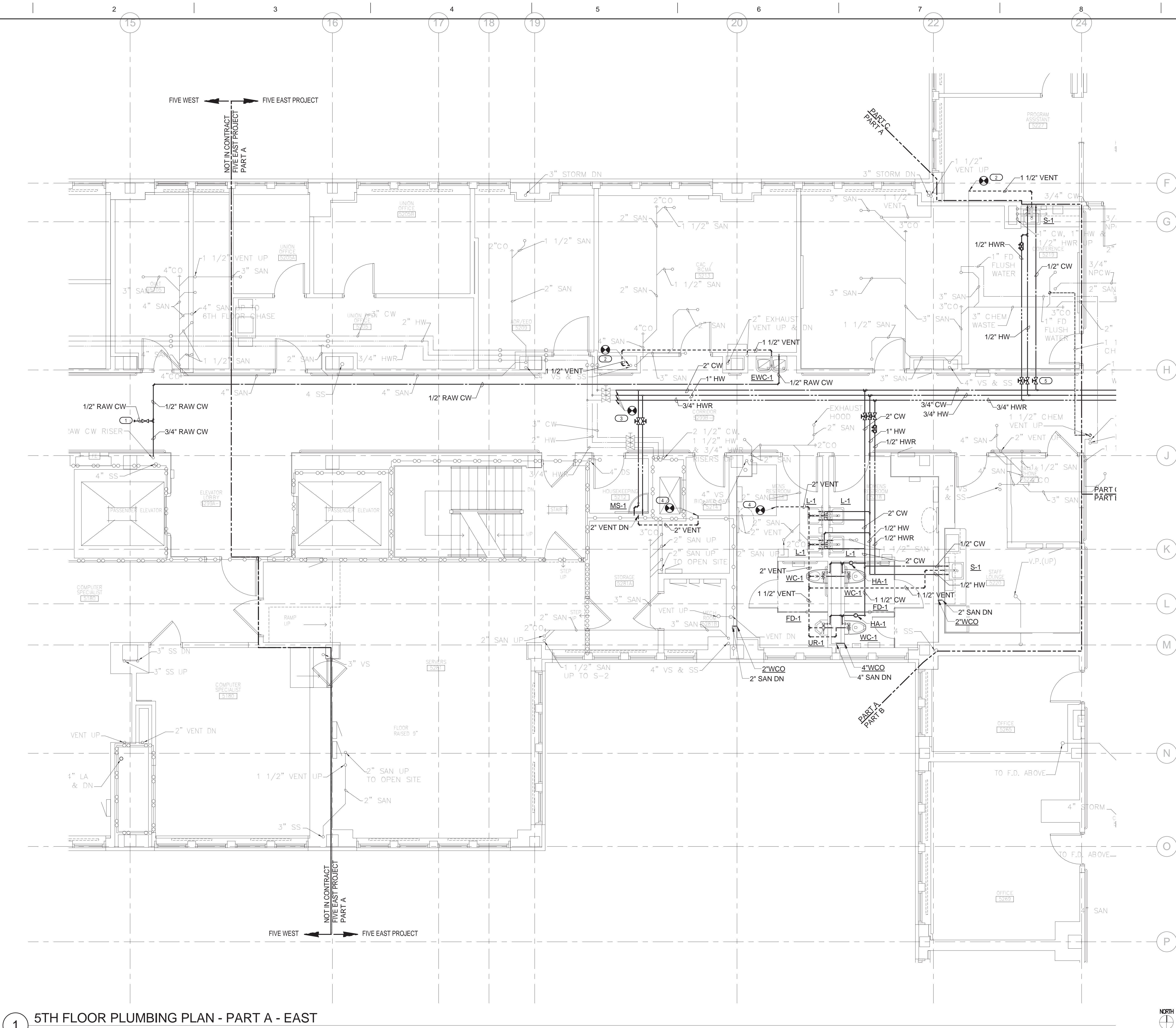
PHASE #4 INCLUDES PROVIDING PLUMBING PIPING AND COMPONENTS IN PORTIONS OF PART 'A' AND PART 'C' IN CORRIDOR ON 5TH FLOOR. WORK IN PHASE #4 SHALL OCCUR THROUGHOUT PROJECT AND BE COORDINATED WITH ALL OTHER TRADES. WORK IN PHASE #4 SHALL OCCUR OUTSIDE OF MEDICAL CENTER BUSINESS HOURS.



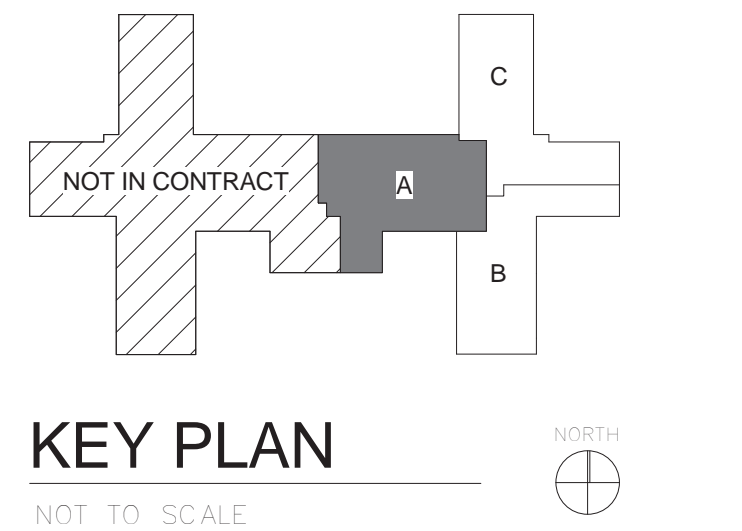
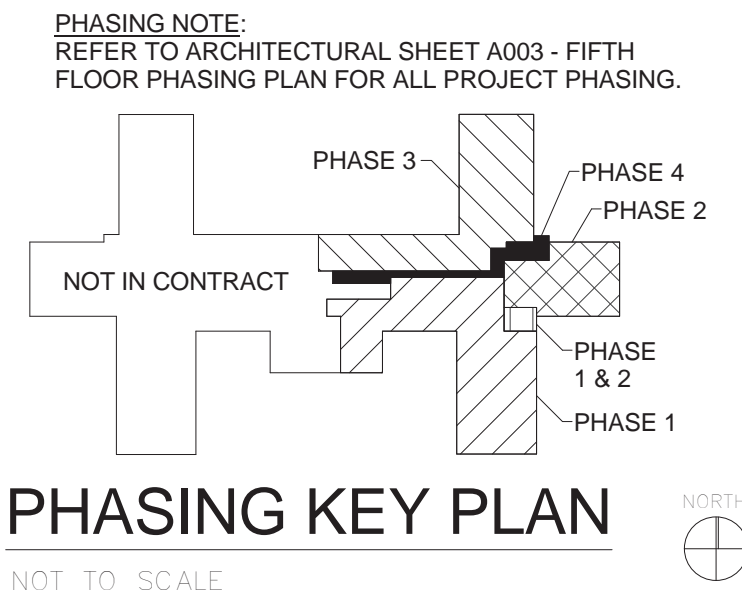
1 5TH FLOOR PLUMBING PLAN - OVERALL - EAST
1/8" = 1'-0"

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one eighth inch = one foot



- KEYED NOTES**
- PROVIDE 1/2" RAW CW CAPPED AND VALVED FOR FUTURE.
 - CONNECT NEW 1 1/2" VENT TO EXISTING VENT.
 - CONNECT NEW 2" CW, 1" HW AND 3/4" HWR TO EXISTING DOMESTIC WATER MAINS.
 - CONNECT NEW 2" VENT TO EXISTING VENT.
 - PROVIDE SHUTOFF VALVES FOR CONNECTION OF NEW SINK IN PHASE #3.



1 5TH FLOOR PLUMBING PLAN - PART A - EAST
1/4" = 1'-0"

CONSULTANTS:



engineers | consultants | commissioning
MEP Associates, LLC | 2750 Arbor Court | Eau Claire, WI 54601
Phone: 715.832.5680 | Fax: 715.832.5668 | www.mepassociates.com
MEP PROJECT NO.: N08.10.01

ARCHITECT/ENGINEERS:



420 RAIL STREET
NEGAUNEE, MI 49866
PHONE: 906-475-6616
FAX: 906-475-6954
NDW PROJECT NUMBER:1010

Drawing Title
5TH FLOOR PLUMBING PLAN - PART A - EAST

Approved: Project Director

Project Title
Upgrade Five East

Location
IRON MOUNTAIN, MICHIGAN

Date
10/05/2015

Checked
TCC

Drawn
NCF

Project Number
585-10-127
Building Number
1

Drawing Number
PL201
Dwg. 57 of 115

Office of
Construction
and Facilities
Management



