

ORANGE COUNTY CONVENTION CENTER

ORANGE COUNTY MAYOR
TERESA JACOBS



DISTRICT 3 COMMISSIONER
PETE CLARKE

DISTRICT 1 COMMISSIONER
S. SCOTT BOYD

DISTRICT 4 COMMISSIONER
JENNIFER THOMPSON

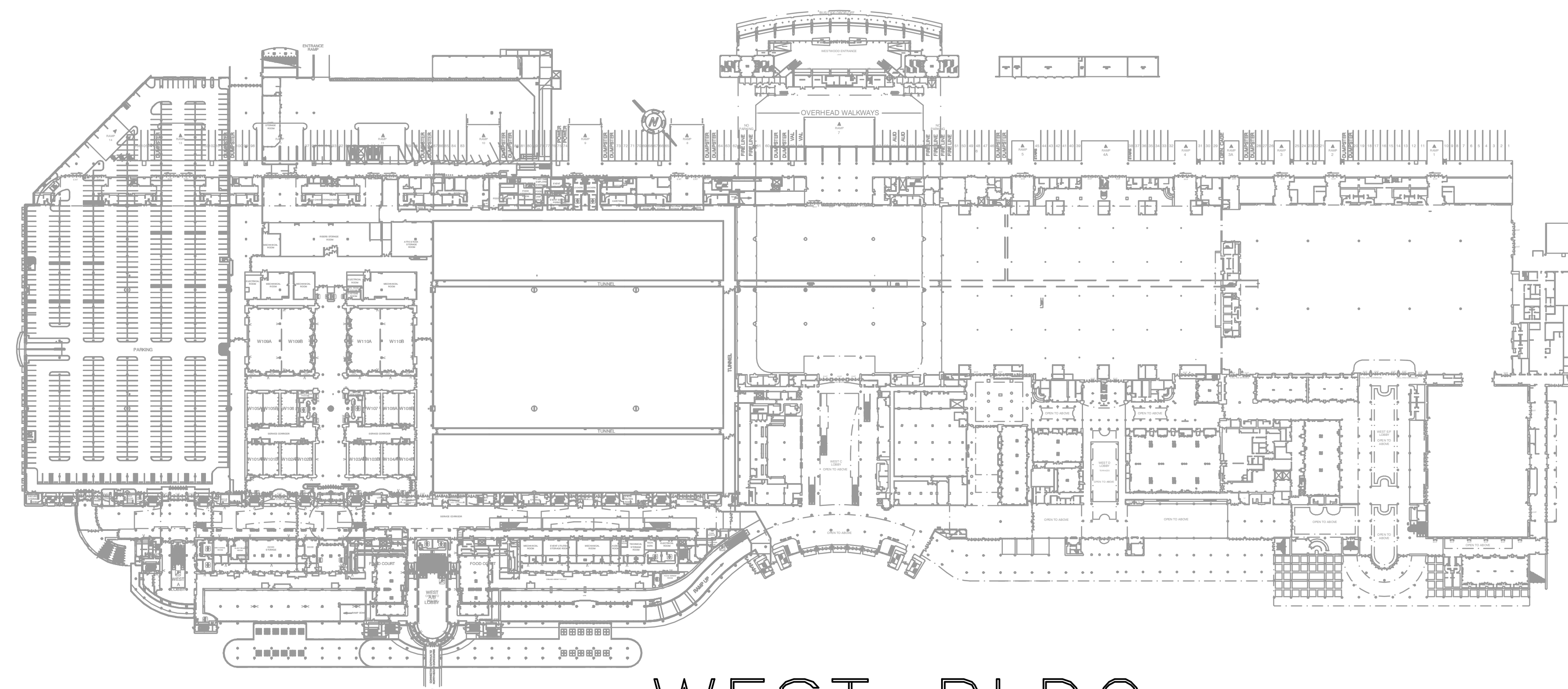
DISTRICT 2 COMMISSIONER
FRED BRUMMER

**Orange
County
Convention
Center**

DISTRICT 5 COMMISSIONER
TED EDWARDS

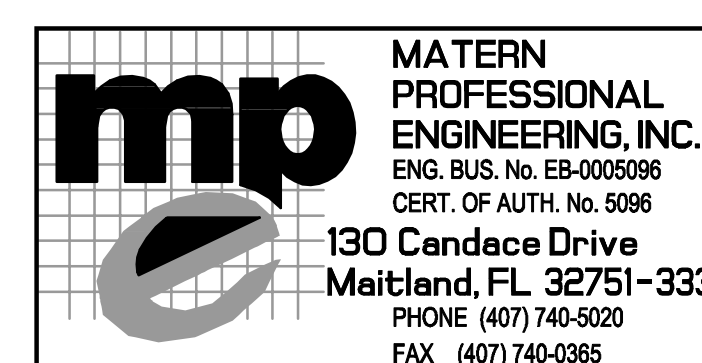
DISTRICT 6 COMMISSIONER
TIFFANY MOORE RUSSELL

OCCC WEST BUILDING TUNNEL DOMESTIC WATER AND COMPRESSED AIR PIPING REPLACEMENT



WEST BLDG

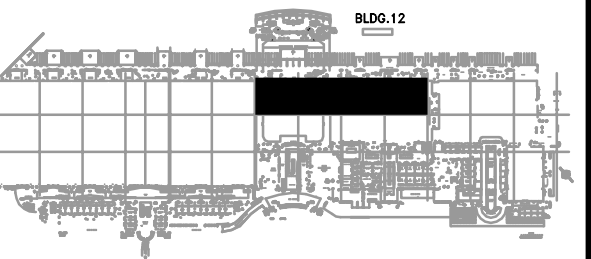
KEY PLAN
N.T.S.



100% Bid Documents
APRIL 23, 2014

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OCCC WEST BUILDING TUNNEL DOMESTIC WATER AND COMPRESSED AIR PIPING REPLACEMENT



Key Plan - West

Revisions

No.	Date	Description

MPE PROJ#: 2012-188F

Designed By: RD

Drawn By: AG

Checked By: BWP

Issue Date: APRIL 23, 2014

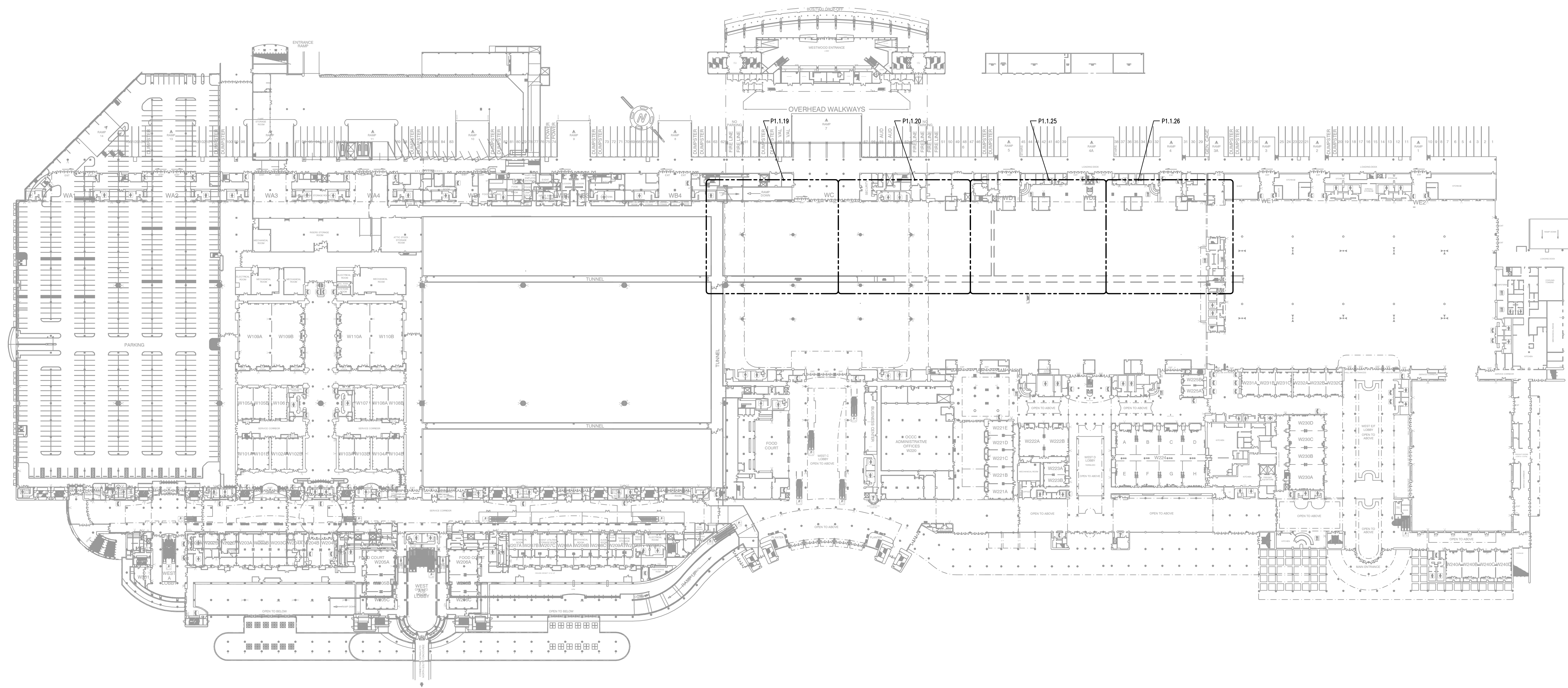
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Drawing Title:
OVERALL PLAN WEST BUILDING HALL C & HALL D TUNNEL-PLUMBING

100% BID DOCUMENTS

Drawing No.

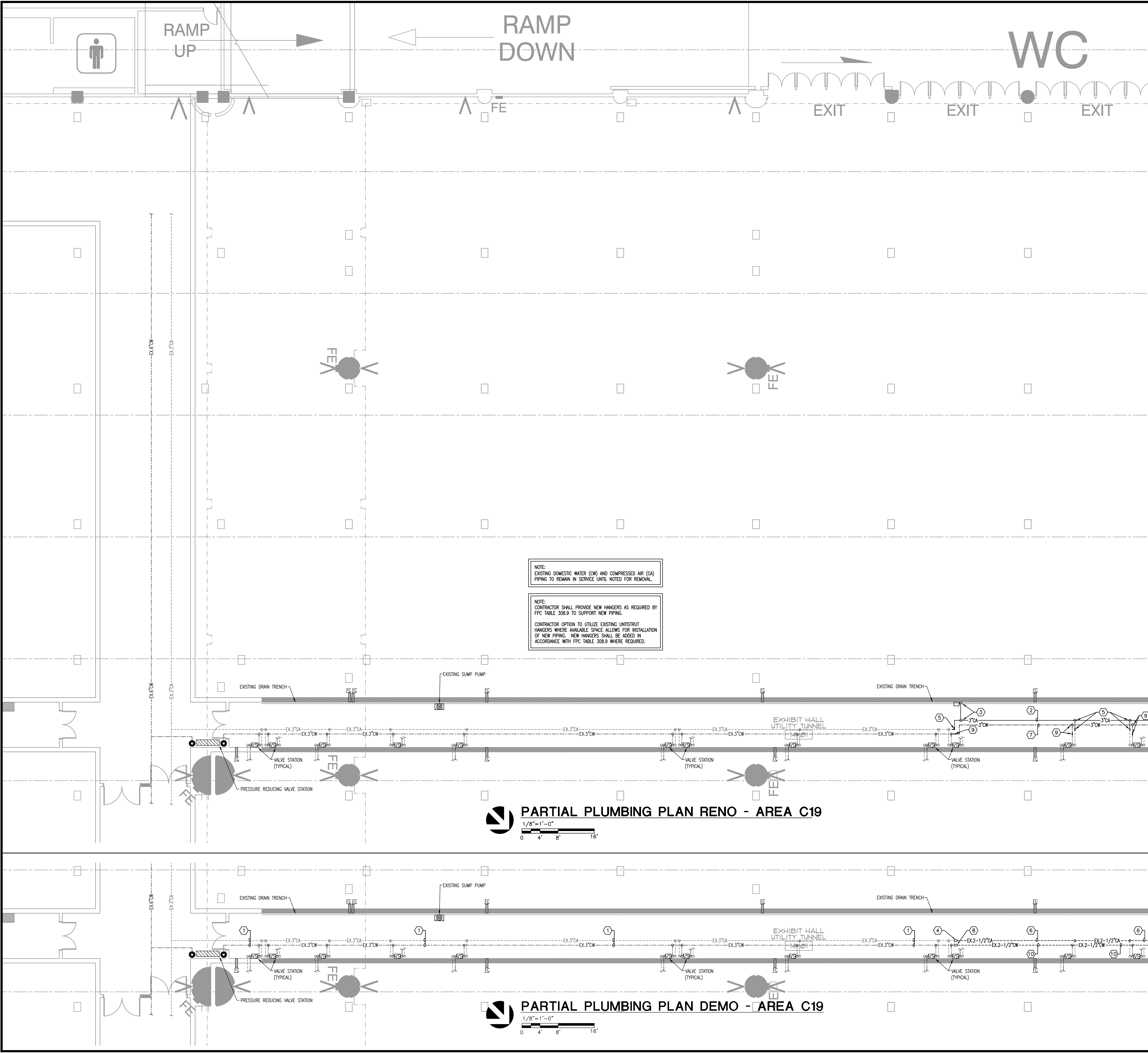
P1.0.0



OVERALL PLAN - PLUMBING
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- GENERAL NOTES**
- REFER TO GENERAL NOTES FOR THIS DISCIPLINE.
 - REFER TO SPECIFICATIONS.
 - ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS.
 - CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER CONSTRUCTION SCHEDULE OF PROJECT.
 - CONTRACTOR SHALL PROVIDE SHUT-OFF VALVES AS NECESSARY TO FACILITATE DEMOLITION AND RENOVATION OF PROJECT.
 - CONTRACTOR SHALL COORDINATE DEMOLITION AS NOT TO INTERRUPT SERVICE TO FIXTURES NOT IN SCOPE OF WORK.
 - 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.
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 - COORDINATE WITH GENERAL CONTRACTOR TO PATCH ALL EXISTING WALLS, FLOORS, CEILINGS, ETC., AS REQUIRED BY NEW WORK.
 - PIPE SHALL NOT BE ROUTED BELOW ACCESS PANELS.

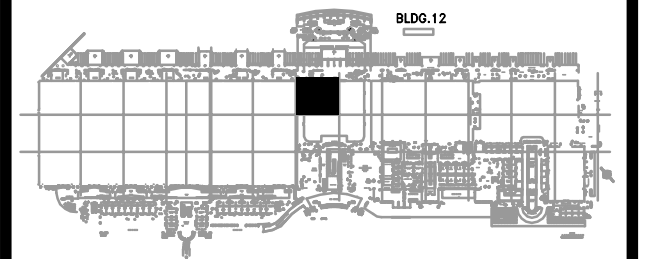
- HEX NOTES**
- EXISTING 3\"/>

NOTE:
 EXISTING DOMESTIC WATER (CW) AND COMPRESSED AIR (CA) PIPING TO REMAIN IN SERVICE UNTIL NOTED FOR REMOVAL.

NOTE:
 CONTRACTOR SHALL PROVIDE NEW HANGERS AS REQUIRED BY FPC TABLE 308.9 TO SUPPORT NEW PIPING.

CONTRACTOR OPTION TO UTILIZE EXISTING UNISTRUIT HANGERS WHERE AVAILABLE SPACE ALLOWS FOR INSTALLATION OF NEW PIPING. NEW HANGERS SHALL BE ADDED IN ACCORDANCE WITH FPC TABLE 308.9 WHERE REQUIRED.

OCC WEST BUILDING TUNNEL DOMESTIC WATER AND COMPRESSED AIR PIPING REPLACEMENT



Key Plan - West

Revisions

No.	Date	Description

MPE PROJ#: 2012-188F

Designed By: RD
 Drawn By: AG/RD
 Checked By: BWP
 Issue Date: APRIL 23, 2014
 Drawing Scale: 1/8"=1'-0"

Drawing Title:
PARTIAL PLUMBING PLAN - AREA C19

100% BID DOCUMENTS
 Drawing No.
P1.1.19

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 MATERN PROFESSIONAL ENGINEERING

SEC

EXIT

FDC

- GENERAL NOTES**
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 - REFER TO SPECIFICATIONS.
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 - PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING EQUIPMENT, PIPING, VALVES, ETC., IN AREAS TO BE DEMOLISHED.
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 - COORDINATE WITH GENERAL CONTRACTOR TO PATCH ALL EXISTING WALLS, FLOORS, CEILING, ETC., AS REQUIRED BY NEW WORK.
 - PIPE SHALL NOT BE ROUTED BELOW ACCESS PANELS.

HEX NOTES

- ROUTE NEW 3" COMPRESSED AIR PIPING (CA) PIPING PARALLEL WITH EXISTING PIPING AND COORDINATED WITH EXISTING CONDITIONS. PROVIDE CAPPED STUB-OUTS FOR CONNECTION OF EXISTING BRANCH PIPING. PIPING SHALL BE TESTED PRIOR TO FINAL CONNECTION. COMPRESSED AIR SHALL BE ROUTED FIRST IN ORDER TO REMOVE THE EXISTING COMPRESSED AIR PIPING ALLOWING SPACE FOR ROUTING OF NEW 3" DOMESTIC WATER PIPING.
- PROVIDE 3/4" DRAIN PIPING FROM BOTTOM OF COMPRESSED AIR MAIN AND ROUTE DRAIN PIPING TO PNEUMATIC DRAIN (PDD-1). PROVIDE SUPPORT BRACKETS ON WALL AND MOUNT AUTOMATIC DRAIN VALVE 12" ABOVE TRENCH. ROUTE DISCHARGE PIPING TO TRENCH. COORDINATE ROUTING AND PIPE DROP TO TRENCH WITH EXISTING ELECTRICAL EQUIPMENT.
- PROVIDE 1-1/2" CA STUB-OUT WITH SHUT-OFF VALVE FOR SHOW CONNECTION.
- CONNECT NEW CA PIPING TO EXISTING BRANCH PIPING. TEST PIPING AFTER FINAL CONNECTIONS TO INSURE PASSING SYSTEM AS A WHOLE.
- REMOVE REMAINING EXISTING CA PIPING MAIN AFTER NEW PIPING HAS BEEN TESTED.
- ROUTE NEW DOMESTIC WATER PIPING (CW) PIPING PARALLEL WITH EXISTING PIPING AND COORDINATED WITH EXISTING CONDITIONS. PROVIDE CAPPED STUB-OUTS FOR CONNECTION OF EXISTING BRANCH PIPING. PIPING SHALL BE TESTED AND DISINFECTED PRIOR TO FINAL CONNECTION.
- PROVIDE 1-1/2" CW STUB-OUT WITH SHUT-OFF VALVE FOR SHOW CONNECTION.
- CONNECT NEW CW PIPING TO EXISTING MAIN AND BRANCH PIPING. TEST PIPING AFTER FINAL CONNECTIONS TO INSURE PASSING SYSTEM AS A WHOLE.
- REMOVE REMAINING EXISTING CW PIPING MAIN AFTER NEW PIPING HAS BEEN TESTED.

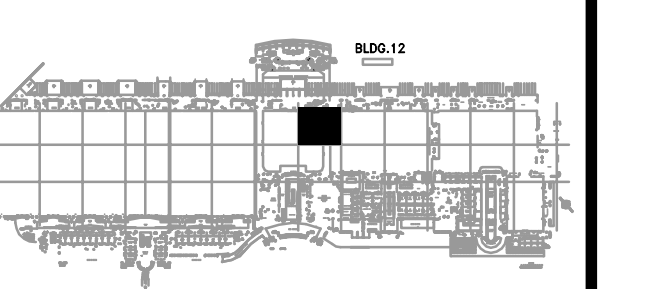
NOTE:
EXISTING DOMESTIC WATER (CW) AND COMPRESSED AIR (CA) PIPING TO REMAIN IN SERVICE UNTIL NOTED FOR REMOVAL.

NOTE:
CONTRACTOR SHALL PROVIDE NEW HANGERS AS REQUIRED BY FFC TABLE 308.9 TO SUPPORT NEW PIPING.

CONTRACTOR OPTION TO UTILIZE EXISTING UNISTRUT HANGERS WHERE AVAILABLE SPACE ALLOWS FOR INSTALLATION OF NEW PIPING. NEW HANGERS SHALL BE ADDED IN ACCORDANCE WITH FFC TABLE 308.9 WHERE REQUIRED.

mp MATERN PROFESSIONAL ENGINEERING
 ME/PE/Engineering Consultants - A Solutions Based Firm
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 ENG. BUS. No. EB-0000996 CERT. OF AUTH. No. 5096

OCCC WEST BUILDING TUNNEL DOMESTIC WATER AND COMPRESSED AIR PIPING REPLACEMENT

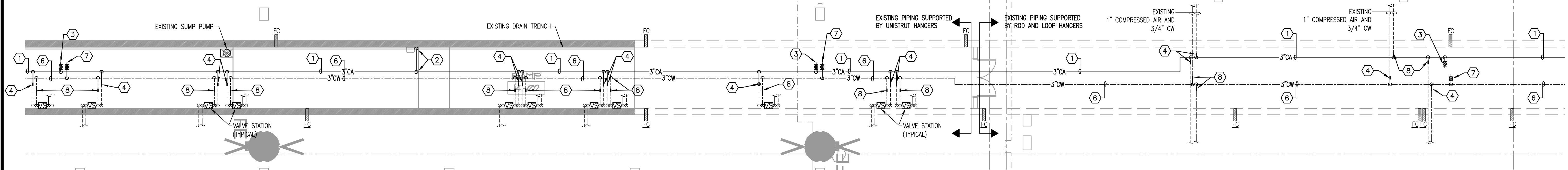


Key Plan - West

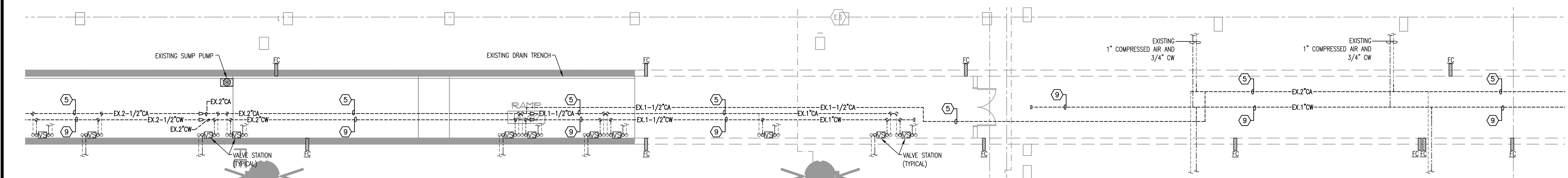
Revisions

No.	Date	Description

MPE PROJ# 2012-188F
 Designed By: RD
 Drawn By: AG/RD
 Checked By: BWP
 Issue Date: APRIL 23, 2014
 Drawing Scale: 1/8"=1'-0"
PARTIAL PLUMBING PLAN - AREA C20
 100% BID DOCUMENTS
 Drawing No. **P1.1.20**



PARTIAL PLUMBING PLAN RENO - AREA C20
 1/8"=1'-0"
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PARTIAL PLUMBING PLAN DEMO - AREA C20
 1/8"=1'-0"
 0 4' 8' 16'

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 CREAT DATE: 4/22/2014 12:25:35 PM
 MPEI Professional Engineering
 2020/2015-188_OCCC West Building Phase II MEP Upgrade 2015 188F-P1.1.25.dwg



NOTE:
EXISTING DOMESTIC WATER (CW) AND COMPRESSED AIR (CA)
PIPING TO REMAIN IN SERVICE UNTIL NOTED FOR REMOVAL.

NOTE:
CONTRACTOR SHALL PROVIDE NEW HANGERS AS REQUIRED BY
FPC TABLE 308.9 TO SUPPORT NEW PIPING.

PARTIAL PLUMBING PLAN RENO - AREA D25
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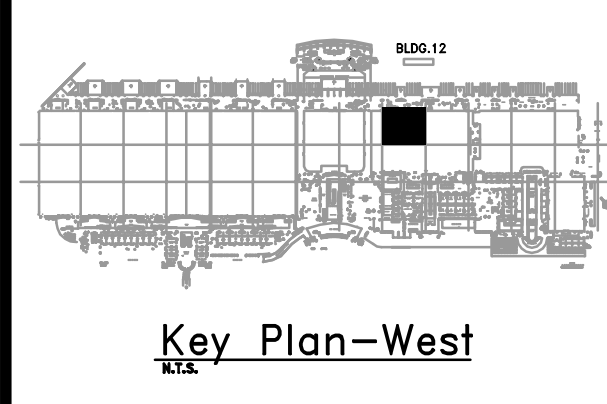
PARTIAL PLUMBING PLAN DEMO - AREA D25
 1/8"=1'-0"
 0 4' 8' 16'

- GENERAL NOTES**
- 1) REFER TO GENERAL NOTES FOR THIS DISCIPLINE.
 - 2) REFER TO SPECIFICATIONS.
 - 3) ALL HEX NOTES NOT NECESSARILY USED ON ALL SHEETS.
 - 4) CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER CONSTRUCTION SCHEDULE OF PROJECT.
 - 5) CONTRACTOR SHALL PROVIDE SHUT-OFF VALVES AS NECESSARY TO FACILITATE DEMOLITION AND RENOVATION OF PROJECT.
 - 6) CONTRACTOR SHALL COORDINATE DEMOLITION AS NOT TO INTERRUPT SERVICE TO FIXTURES NOT IN SCOPE OF WORK.
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 - 11) PIPE SHALL NOT BE ROUTED BELOW ACCESS PANELS.

- HEX NOTES**
- 1) ROUTE NEW 3" COMPRESSED AIR PIPING (CA) PIPING PARALLEL WITH EXISTING PIPING AND COORDINATED WITH EXISTING CONDITIONS. PROVIDE CAPPED STUB-OUTS FOR CONNECTION OF EXISTING BRANCH PIPING. PIPING SHALL BE TESTED PRIOR TO FINAL CONNECTION. COMPRESSED AIR SHALL BE ROUTED FIRST IN ORDER TO REMOVE THE EXISTING COMPRESSED AIR PIPING ALLOWING SPACE FOR ROUTING OF NEW 3" DOMESTIC WATER PIPING.
 - 2) PROVIDE 3/4" DRAIN PIPING FROM BOTTOM OF COMPRESSED AIR MAIN AND ROUTE DRAIN PIPING TO PNEUMATIC DRAIN (PCD-1). PROVIDE SUPPORT BRACKETS ON WALL AND MOUNT AUTOMATIC DRAIN VALVE 12" ABOVE TRENCH. ROUTE DISCHARGE PIPING TO DRAIN SUMP. COORDINATE ROUTING AND PIPE DROP TO DRAIN SUMP WITH EXISTING ELECTRICAL EQUIPMENT.
 - 3) PROVIDE 1-1/2" CA STUB-OUT WITH SHUT-OFF VALVE FOR SHOW CONNECTION.
 - 4) CONNECT NEW CA PIPING TO EXISTING MAIN AND BRANCH PIPING. TEST PIPING AFTER FINAL CONNECTIONS TO INSURE PASSING SYSTEM AS A WHOLE.
 - 5) REMOVE REMAINING EXISTING CA PIPING MAIN AFTER NEW PIPING HAS BEEN TESTED.
 - 6) ROUTE NEW DOMESTIC WATER PIPING (CW) PIPING PARALLEL WITH EXISTING PIPING AND COORDINATED WITH EXISTING CONDITIONS. PROVIDE CAPPED STUB-OUTS FOR CONNECTION OF EXISTING BRANCH PIPING. PIPING SHALL BE TESTED AND DISINFECTED PRIOR TO FINAL CONNECTION.
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 ENG. BUS. NO. EB-0006996 CERT. OF AUTH. NO. 5096

OCCC WEST BUILDING TUNNEL DOMESTIC WATER AND COMPRESSED AIR PIPING REPLACEMENT

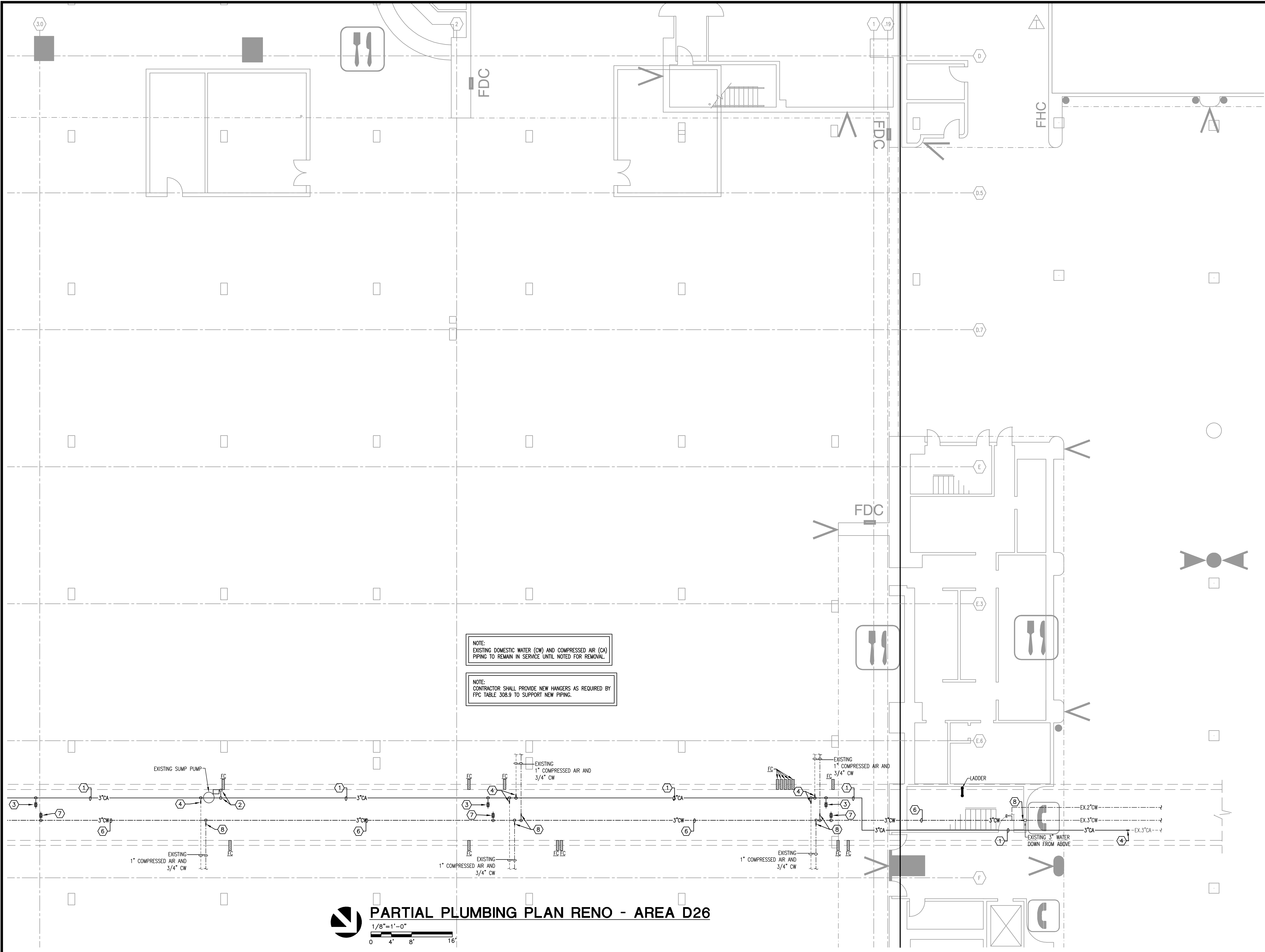


Revisions

No.	Date	Description

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 Drawn By: AG/RD
 Checked By: BWP
 Issue Date: APRIL 23, 2014
 Drawing Scale: 1/8"=1'-0"
 Drawing Title:
PARTIAL PLUMBING PLAN - AREA D25
 100% BID DOCUMENTS
 Drawing No.
P1.1.25

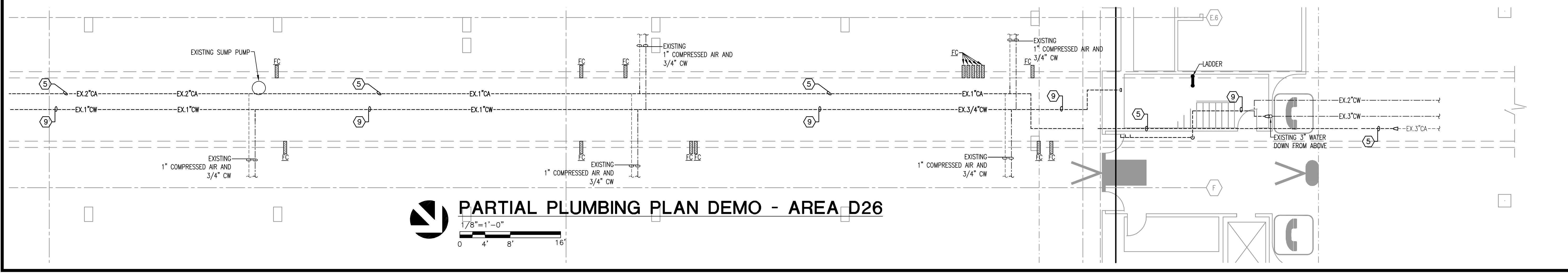
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 DESIGNED BY: RD
 DRAWN BY: AG/RD
 CHECKED BY: BWP
 ISSUE DATE: APRIL 23, 2014
 DRAWING SCALE: 1/8"=1'-0"
 DRAWING TITLE: PARTIAL PLUMBING PLAN - AREA D26
 100% BID DOCUMENTS
 DRAWING NO. P1.1.26



NOTE:
EXISTING DOMESTIC WATER (CW) AND COMPRESSED AIR (CA)
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FPC TABLE 308.9 TO SUPPORT NEW PIPING.

PARTIAL PLUMBING PLAN RENO - AREA D26
 1/8"=1'-0"
 0 4' 8' 16'

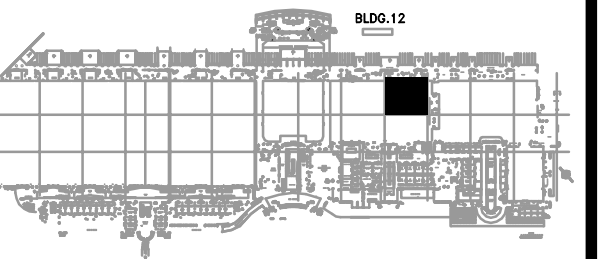


PARTIAL PLUMBING PLAN DEMO - AREA D26
 1/8"=1'-0"
 0 4' 8' 16'

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OCCC WEST BUILDING TUNNEL DOMESTIC WATER AND COMPRESSED AIR PIPING REPLACEMENT



Key Plan - West

Revisions

No.	Date	Description