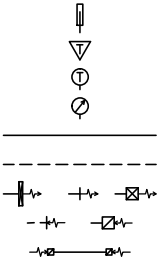


SYMBOLS

	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RECIRCULATING
	S	STEAM
	SPR	SPRINKLER
	CR	CONDENSATE RETURN
	HS	HEATING SUPPLY
	HR	HEATING RETURN
	RL	RAIN LEADER
	W	WASTE
	V	VENT
		REDUCER
		GATE VALVE
		ISING STEM GATE VALVE
		CHECK VALVE
		GLOBE VALVE
		BALL VALVE
	DV	DRAIN VALVE
		PRESSURE RELIEF VALVE
		UNION
	CO	CLEANOUT
		STRAINER
		PITCHED DOWN
		CAPPED OR PLUGGED
		DEMOLITION NOTE
		CONSTRUCTION NOTE
		FLOWSETTER
		DETAIL REFERENCE



THERMOMETER	CR	CEILING REGISTER
ROOM THERMOSTAT	DF	DRINKING FOUNTAIN
IMMERSION THERMOSTAT	DDC	DIRECT DIGITAL CONTROL
PRESSURE GAGE	EA	EXHAUST AIR
SUPPLY DUCT	EF	EXHAUST FAN
RETURN/EXHAUST DUCT	EG	EXHAUST GRILLE
SUPPLY DIFFUSER OR GRILLE	EWC	EXHAUST WALL CAP
RETURN/EXHAUST GRILLE	FD	FLOOR DRAIN
RELIEF DUCT	HB	HOSE BIBB
	HWT	HOT WATER TANK
	IAW	IN ARCHITECTURAL WORK
	L	LAVATORY
	LD	LINEAR DIFFUSER
	MBH	1,000 BTU/HR
\$	OSA	OUTSIDE SUPPLY AIR
Ⓐ	RA	RETURN AIR
Ⓑ	RD	ROOF DRAIN
Ⓒ	RF	RETURN FAN
Ⓓ	RG	RETURN GRILLE
Ⓔ	RL	RAIN LEADER/ROOF DRAIN LEADER
Ⓕ	S	SINK
Ⓖ	SA	SUPPLY AIR
Ⓗ	SG	SUPPLY FAN
Ⓘ	SG	SUPPLY GRILLE
Ⓚ	SS	SERVICE SINK
Ⓛ	TP	TRAP PRIMER
Ⓜ	TR	TOILET ROOM
Ⓝ	U	URINAL
Ⓞ	WC	WATER CLOSET
AFF	WH	WALL HYDRANT
BAS	WHA	WATER HAMMER ARRESTOR
BC		
BFP		

Sheet List Table

Sheet Number	Sheet Title
M001	SYMBOLS & SCHEDULES
MD100	OVERALL FLOOR PLAN – DEMOLITION
MD101	NORTH TOILET & KITCHEN – FOUNDATION DEMOLITION
MD102	NORTH TOILET & KITCHEN – FLOOR PLAN DEMOLITION
MD103	NORTH TOILET & KITCHEN – PIPING DEMOLITION
MD104	NORTH TOILET & KITCHEN – DUCTWORK DEMOLITION
MD105	SOUTH TOILET – DUCTWORK DEMOLITION
M100	OVERALL FLOOR PLAN
M101	NORTH TOILET & KITCHEN – FOUNDATION
M102	NORTH TOILET & KITCHEN – FLOOR PLAN
M103	NORTH TOILET & KITCHEN – PIPING
M104	NORTH TOILET & KITCHEN – DUCTWORK
M105	SOUTH TOILET – FOUNDATION
M106	SOUTH TOILET – FLOOR PLAN
M107	SOUTH TOILET – PIPING & DUCTWORK
M200	PLUMBING DIAGRAM
M201	DETAILS & DIAGRAMS

CODE NOTES:

1. CODES & REGULATIONS: ALL WORK SHALL BE STRICTLY IN CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH SPECIFICATIONS, DRAWINGS, THE 2009 INTERNATIONAL CODES, 2009 UNIFORM PLUMBING CODE, NFPA, CBJ TITLE 19, AND STATE OF ALASKA MODIFICATIONS. ALL ELECTRICAL EQUIPMENT SHALL BEAR THE UL LABEL. ALL SHEET METAL WORK TO BE DONE IN ACCORDANCE WITH SMACNA REQUIREMENTS. PROVIDE ALL TESTING REQUIREMENTS FOR MECHANICAL SYSTEMS AS REQUIRED AND WITNESSED BY ADMINISTRATIVE AUTHORITY.

GENERAL NOTES:

1. EXISTING CONDITIONS WERE TAKEN FROM RECORD DRAWINGS AND SELECTIVE FIELD MEASUREMENTS. ACTUAL CONDITIONS AND DIMENSIONS OF PIPING, DUCTWORK, AND OTHER APPURTENANCES ARE TO BE FIELD VERIFIED BY THE CONTRACTOR AND ADJUSTMENTS MADE AS REQUIRED.
2. CONTRACTOR SHALL COORDINATE WITH ARCHITECT ALL SHUTDOWN OR INTERRUPTION OF SERVICE REQUIREMENTS FOR CONNECTIONS TO EXISTING SYSTEMS. PROVIDE ARCHITECT WITH 10 DAYS WRITTEN NOTICE FOR PROPOSED SHUTDOWN TIMES AND DURATION.
3. WHERE OPENINGS IN WALLS OR FLOORS EXIST AFTER REMOVAL OF EXISTING DUCTWORK, PIPING, AND ACCESSORIES, CONTRACTOR SHALL COORDINATE WITH GENERAL TO PATCH AND REPAIR OPENINGS TO MATCH EXISTING CONSTRUCTION AND RATING.
4. CARE SHALL BE TAKEN DURING DEMO AND CONSTRUCTION THAT CONSTRUCTION DEBRIS AND DUST SHALL NOT ENTER DUCT SYSTEM OR OCCUPIED FUNCTIONAL AREAS. IF CONSTRUCTION DEBRIS IS OBSERVED OUTSIDE PROJECT PHASED AREAS OR WITHIN DUCTS BY OWNER'S REPRESENTATIVE (E.G. DUCT CAPS NOT PROPERLY INSTALLED), SYSTEM SHALL BE CLEANED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
5. TEST AND BALANCE NEW AND REMODELED AIR SYSTEMS. ALL SUPPLY DIFFUSER, RETURN GRILLES, AND FANS SHOWN IN SCHEDULES ARE TO BE BALANCED BY A CERTIFIED BALANCING COMPANY WITH MINIMUM THREE YEARS OF CUMULATIVE SEQUENTIAL EXPERIENCE.
6. PROTECT SPRINKLER SYSTEM DURING WORK.

SHEET NOTES:

1. SEE SPECIFICATIONS FOR COMPLETE INFORMATION ON EQUIPMENT AND METHODS REQUIRED FOR WORK.

PLUMBING EQUIPMENT SCHEDULE

EQUIPMENT	DESCRIPTION	MANUFACTURE AND MODEL	FEATURES
HWT	DOMESTIC HOT WATER TANK	AO SMITH	30 GALLON INSULATED HOT WATER TANK. SINGLE 4500W ELEMENT.

PLUMBING FIXTURE SCHEDULE

EQUIPMENT	DESCRIPTION	MANUFACTURE AND MODEL	FEATURES
WC-1, WC-2	WATER CLOSET, WALL MOUNTED	KOHLER KINGSTON, K-4323	WALL MOUNTED, REAR SPUD, ELONGATED BOWL WATER CLOSET. 1.6 GALLONS PER FLUSH. CONCEALED ELECTRONIC SENSOR OPERATED FLUSH VALVE WITH LARGE OVERRIDE BUTTON, STAINLESS STEEL ACCESS PANEL WITH VANDAL RESISTANT SCREWS SIMILAR TO SLOAN OPTIMA 152-1.6 SWB ES-S. VITREOUS CHINA, SIPHON JET FLUSH ACTION. TOILET SEAT WITH STAINLESS STEEL, SELF SUSTAINING CHECK HINGE, OPEN FRONT. PROVIDE BOLT CAPS, WAX RING, AND APPURTENANCES. WC-2 INSTALLED AT ADA HEIGHT. WC-1 INSTALLED AT STANDARD HEIGHT.
	WC CARRIER		ADJUSTABLE CAST IRON FRAME, INTEGRAL DRAIN HUB AND VENT, ADJUSTABLE SPUD LUGS FOR FLOOR AND WALL ATTACHMENT. THREADED FIXTURE STUDS WITH BOLTS AND WASHERS.
U-1, U-2	URINAL	KOHLER BARDON K-4904-ER	WALL MOUNTED, REAR SPUD, VITREOUS CHINA WITH CARRIER. X GPF. CONCEALED ELECTRIC SENSOR OPERATED FLUSH VALVE WITH LARGE OVERRIDE BUTTON, STAINLESS STEEL ACCESS PANEL WITH VANDAL RESISTANT SCREWS SIMILAR TO SLOAN 195 ES-S SWB. U-2 INSTALLED AT ADA HEIGHT.
SS-1	SERVICE SINK FAUCET	KOHLER WHITBY, K6710 KOHLER, K-8907	BOWL FLOOR MOUNTED: 28 x 28 x 8 INCH HIGH ENAMELED CAST IRON CORNER DESIGN, WITH RIM GUARD AND 3 INCH DRAIN. STAINLESS STEEL STRAINER. TRIM: ASME A112.18.1 EXPOSED WALL TYPE COMBINATION SUPPLY WITH LEVER HANDLES, SPOUT WALL BRACE, VACUUM BREAKER, HOSE END SPOUT, STRAINERS, ECCENTRIC ADJUSTABLE INLETS, INTEGRAL SCREWDRIVER STOPS WITH COVERING CAPS AND ADJUSTABLE THREADED WALL FLANGES. ACCESSORIES FOR SS-1: 5 FEET OF 1/2-INCH DIAMETER PLAIN END REINFORCED RUBBER HOSE. HOSE CLAMP HANGER. PAIL HOOK. MOP HANGER.
L-1	LAVATORY, ADA FAUCET	AMERICAN STANDARD OVALYN	UNDER COUNTER MOUNTED, SELF-RIMMING OVAL, 20x18 INCHES WITH FRONT OVERFLOW. ADA COMPLIANT, ELECTRONIC LINE POWERED, SENSOR ACTIVATED, CHROME PLATED SHORT GOOSENECK FAUCET AND WATER ECONOMY AERATOR WITH MAXIMUM 1.5 GPM FLOW WITH NO ESCUTCHEON SIMILAR TO SLOAN OPTIMA I.Q. EAF-150. UNDER COUNTER THERMOSTATIC MIXING VALVE. ADA COMPLIANT MANUFACTURED INSULATION SHIELDS AS REQUIRED. WHEEL HANDLE STOPS.
DF-1	DRINKING FOUNTAIN DUAL LEVEL	ELKAY EZSTLDDWSLK	TWO LEVEL DRINKING FOUNTAIN FOR HANDICAPPED AND GENERAL PUBLIC. BOTTLE FILLER TYPE. NON-COOLER TYPE. WALL HUNG STAINLESS STEEL UNIT WITH STOP VALVES AND TRAP ACCESSIBLE THROUGH BOTTOM COVER PLATE. RECTANGULAR SHAPED BOWL WITH LARGE RADIUS CORNERS. INTEGRAL WALL PLATE FOR BOTH FOUNTAINS, CHROME-PLATED BRASS BUBBLER. FRONT PUSH BAR OR BOTTOM FOR EACH FOUNTAIN. PROVIDE CANE APRON ON HIGH UNIT. PROVIDE FILTER SYSTEM. ELECTRIC REQUIREMENTS (3) WIRE RECESSED BOX GFI DUPLEX OUTLET, 15 AMP, 120V, 60HZ, 1-PHASE, EQUIPMENT WITH A THREE PRONG PLUG.
DF-2	BOTTLE FILLING STATION	ELKAY EZWS(M)DK	RECESSED, NON-CHILLED, BOTTLE FILLING STATION. STAINLESS STEEL CONSTRUCTION, SENSOR-ACTIVATED, INTEGRAL ANTI-MICROBIAL PROTECTION, ADA COMPLIANT, HINGED LOWER ACCESS SERVICE PANEL. VISUAL USER INTERFACE DISPLAY, 115V, 15W.
WHA	WATER HAMMER ARRESTOR	ZURN Z-1700 WHA-1: SIZE 100 WHA-2: SIZE 200 WHA-3: SIZE 300	HOT WATER WITH 3/4-INCH AND COLD WATER WITH 1-INCH THREADED CONNECTIONS. ISOLATING VALVE INSTALLED FOR WHA.
TP	TRAP PRIMER	WATTS T20 PRECISION PR-500	ALL BRASS, 1/2-INCH IPS, SPRING-LOADED. UNION CONNECTIONS AT INLET AND OUTLET. MAXIMUM OF TWO PRIMING CONNECTIONS. VACUUM BREAKING MEANS.
FD	FLOOR DRAIN	ZURN Z-415N	6" DIAMETER TOP.

VENTILATION EQUIPMENT SCHEDULE

EQUIPMENT	DESCRIPTION	MANUFACTURE AND MODEL	FEATURES
EWC-1	EXHAUST WALL CAP	GREENHECK WC-6	ROUND HOODED WALL CAP, ALUMINUM CONSTRUCTION AND FINISH, INTEGRAL BIRD SCREEN AND DAMPER.
EWC-2	EXHAUST WALL CAP	GREENHECK WC-18x8	RECTANGULAR HOODED WALL CAP, STEEL CONSTRUCTION WITH BLACK ENAMEL FINISH, INTEGRAL BIRD SCREEN AND DAMPER.

FAN SCHEDULE

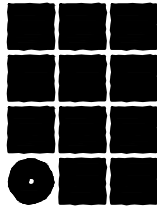
FAN	AREA SERVED	AIR VOLUME (CFM)	T.S.P (INCHES WATER)	DESIGN MANUFACTURER AND MODEL	ELECTRICAL CHARACTERISTICS	FEATURES AND ACCESSORIES
EXHAUST FAN, EF-1	JAN 138	80	0.5	GREENHECK SP-B110	1/4 HP, 120V, 1ø	CABINET CEILING EXHAUST FAN. EF CONTROLLED BY OCCUPANCY SENSOR WITH ADJUSTABLE 15 MINUTE DELAY
EXHAUST FAN, EF-2	WOMEN 137	375	0.5	GREENHECK SP-A710	1/4 HP, 120V, 1ø	CABINET CEILING EXHAUST FAN. EF CONTROLLED BY OCCUPANCY SENSOR WITH ADJUSTABLE 15 MINUTE DELAY
EXHAUST FAN, EF-3	MEN 140	375	0.5	GREENHECK SP-A710	1/4 HP, 120V, 1ø	CABINET CEILING EXHAUST FAN. EF CONTROLLED BY OCCUPANCY SENSOR WITH ADJUSTABLE 15 MINUTE DELAY

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	HOT WATER	COLD WATER	WASTE	VENT
WATER CLOSET, WC-1 & WC-2	-	1-1/4	4	2
URINAL, U-1 & U-2	-	1	2	1
LAVATORY, L	1/2	1/2	1-1/2	1-1/4
SERVICE SINK, SS-1	1/2	1/2	3	2
DRINKING FOUNTAIN, DF-1 & DF-2	-	1/2	1-1/2	1-1/4
WALL HYDRANT, WH	-	3/4	-	-
HOSE BIBB, HB	-	3/4	-	-
PRIMING LINE	-	1/2	-	-
FLOOR DRAIN, FD	-	-	2	1-1/2

SUPPLY AND RETURN GRILLE SCHEDULE

SG-1	TITUS TDCA-AA. ALUMINUM. LOUVERED FACE WITH ADJUSTABLE DISCHARGE. REMOVABLE CORE. 24x24 LAY-IN T-BAR CEILINGS.
SG-2	TITUS TDCA-AA. ALUMINUM. LOUVERED FACE WITH ADJUSTABLE DISCHARGE. REMOVABLE CORE. 12x12 SURFACE MOUNT ON GYPSUM CEILING.
RG-1	TITUS 355RL. 1/2-INCH BLADE SPACING. 14 GA. STEEL BLADES, 18 GA. BORDER. 30 DEGREE DEFLECTION. 24x24 LAY-IN T-BAR CEILINGS.
EG-2, RG-2	TITUS 355RL. 1/2-INCH BLADE SPACING. 14 GA. STEEL BLADES, 18 GA. BORDER. 30 DEGREE DEFLECTION. 24x24 OR 12x12 SURFACE MOUNT ON GYPSUM CEILING.



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CENTENNIAL HALL
RENOVATIONS
CBJ Contract No. E14-199
Juneau, Alaska

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SHEET TITLE
SYMBOLS &
SCHEDULES

DATE: Mar 24, 2014
FILE: 13037

M001



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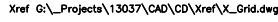
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Juneau, Alaska

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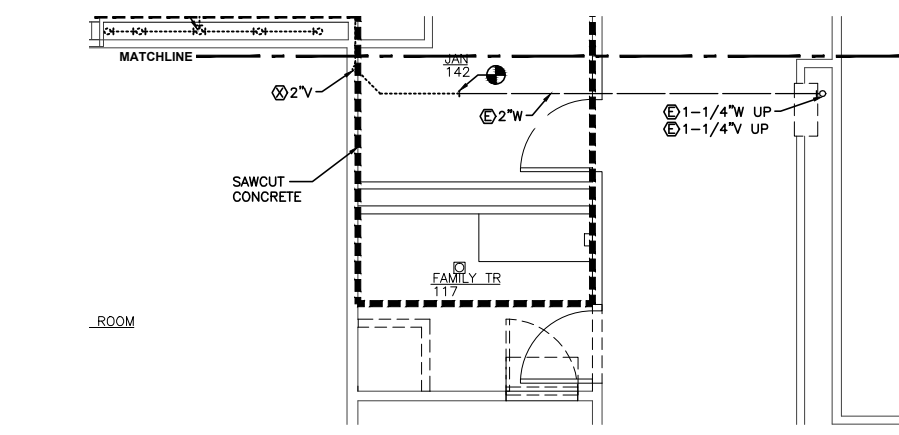
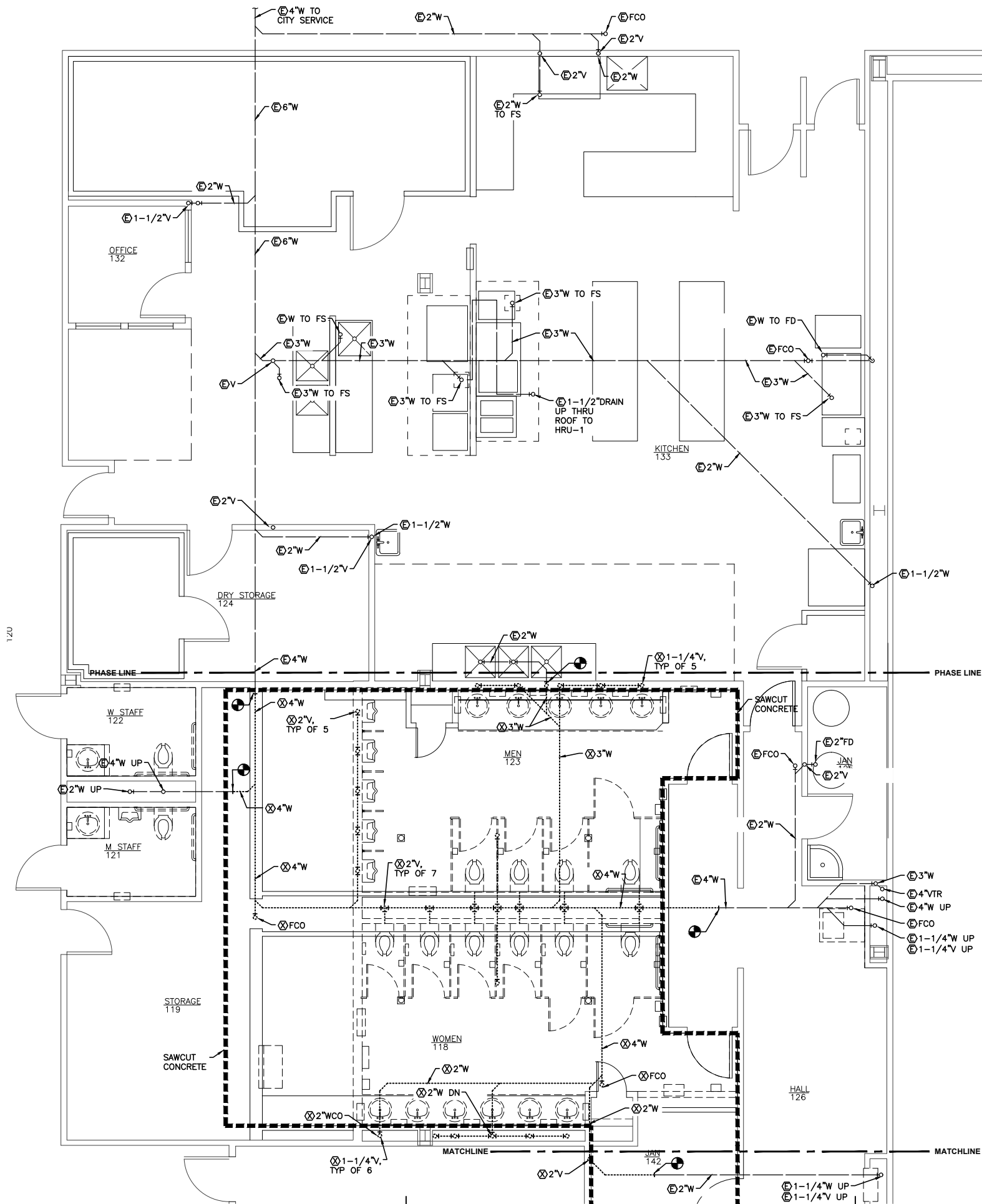
MD100



OVERALL FLOOR PLAN - DEMOLITION

SCALE: 0 5' 10' 20'





2 FAMILY TR

SCALE: 0 2' 4' 8'

PROJECT NORTH

1 NORTH TOILET & KITCHEN - FOUNDATION DEMOLITION

SCALE: 0 2' 4' 8'

PROJECT NORTH

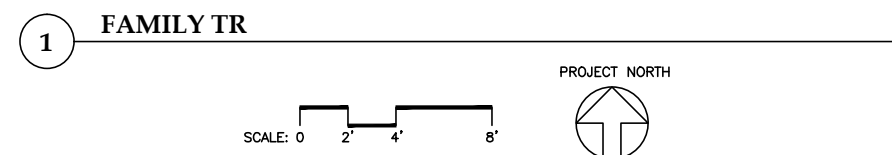
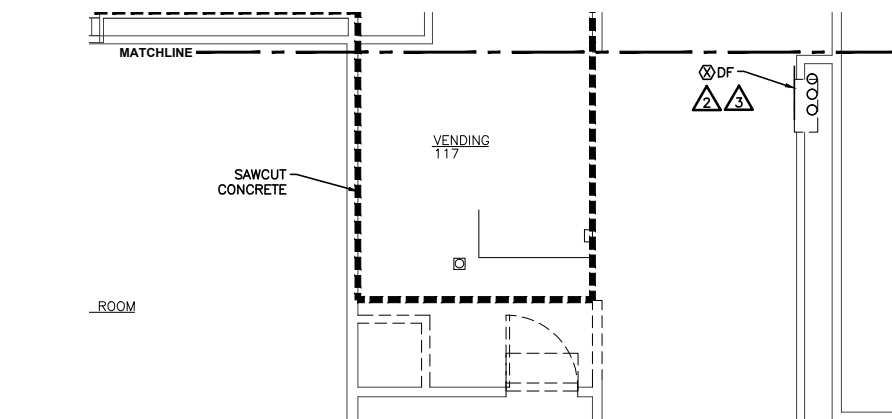
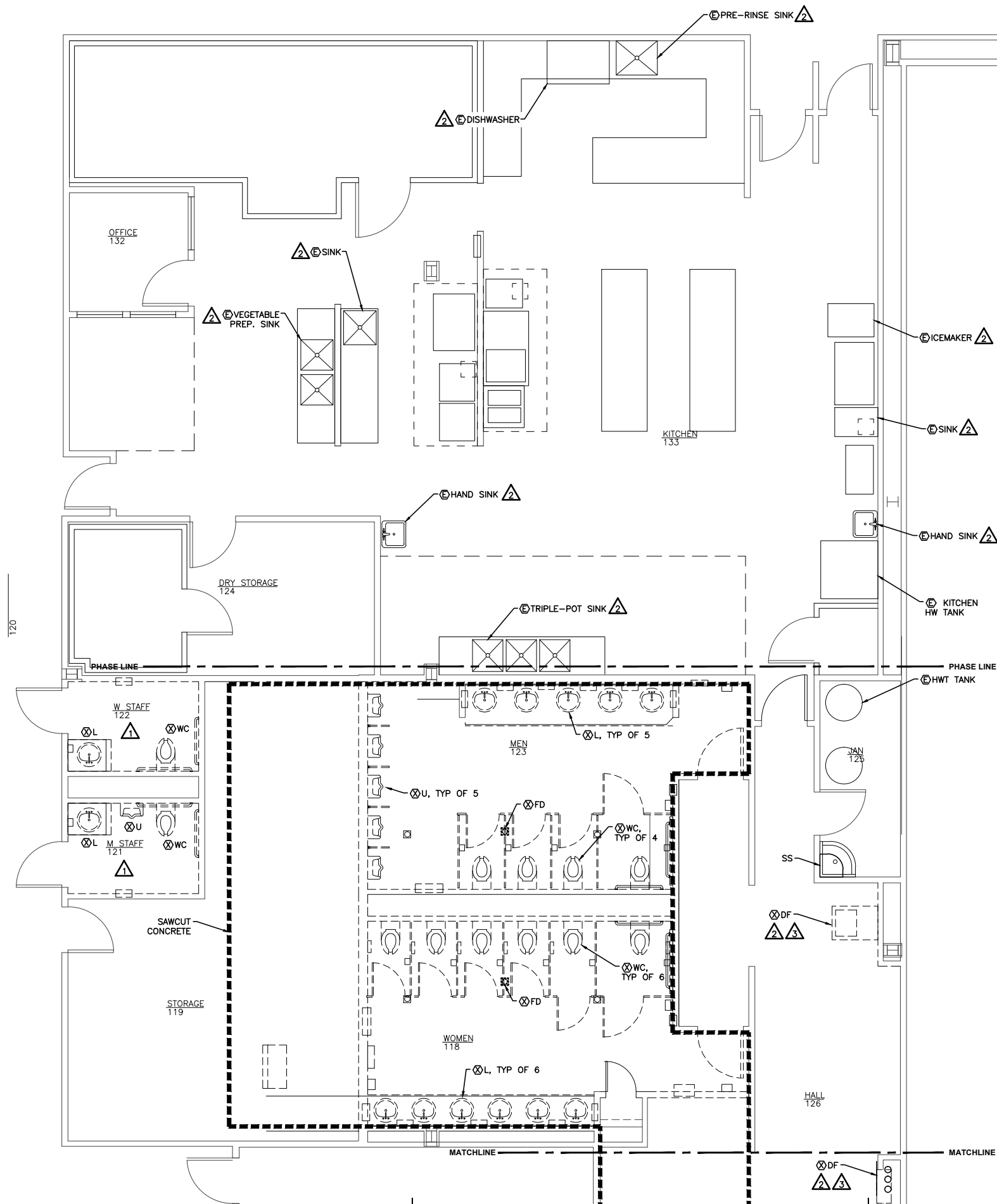
City and Borough of Juneau
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CBJ Contract No. E14-199
Juneau, Alaska

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SHEET TITLE
NORTH TOILET & KITCHEN - FOUNDATION DEMOLITION

DATE: Mar 24, 2014
FILE: 13037

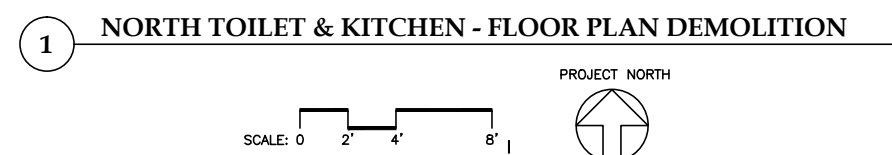


SHEET NOTES:

1. REMOVE ALL PLUMBING FIXTURES, CARRIER, SUPPORTS, STOPS, FAUCETS, AND ALL TRIM UNLESS NOTED OTHERWISE. SEE SHEETS MD101 AND MD103 FOR PIPING REMOVAL.

DEMOLITION NOTES:

1. REMOVE ALL PLUMBING FIXTURES, ALL DOMESTIC WATER SUPPLY PIPING, FAUCET, FLUSH VALVE, AND ALL RELATED TRIM. RETAIN FIXTURE CARRIER, SUPPORT, WASTE PIPING, AND VENT PIPING FOR REUSE. REPORT ANY DEFICIENCIES TO RETAINED EQUIPMENT AND PIPING.
2. REMOVE ALL DOMESTIC WATER SUPPLY PIPING DOWN TO FIXTURE INCLUDING FIXTURE STOPS. COORDINATE CUTTING AND PATCHING REQUIRED WITH GENERAL CONTRACTOR.
3. REMOVE FIXTURE, REVISE AND PREPARE WASTE AND VENT PIPING FOR NEW FIXTURE.



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Juneau, Alaska

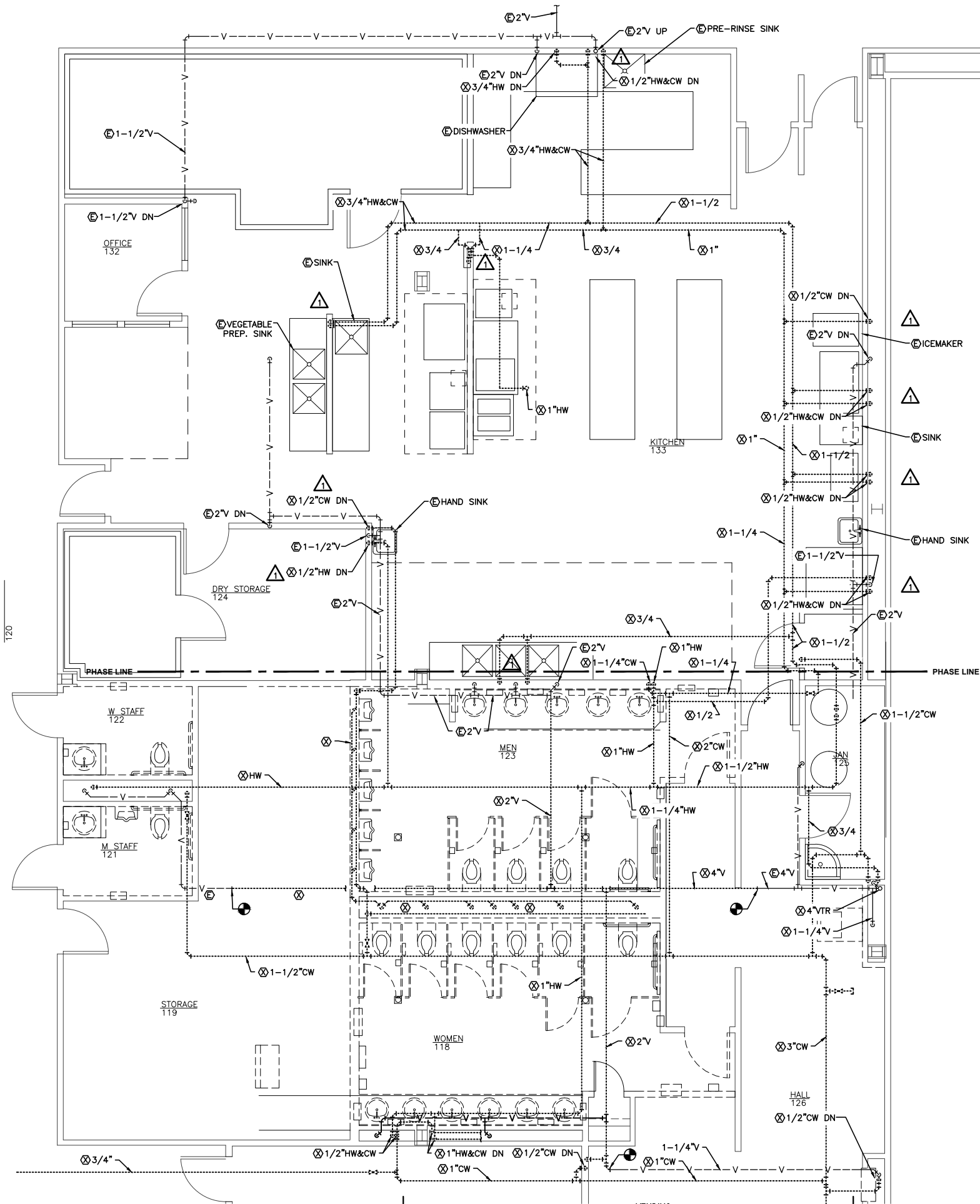
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SHEET TITLE
NORTH TOILET &
KITCHEN - FLOOR
PLAN DEMOLITION

DATE: Mar 24, 2014
FILE: 13037

MD102



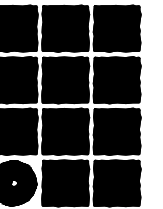
SHEET NOTES:

1. REMOVE ALL DOMESTIC WATER PIPING AND SUPPORTS AS SHOWN. VENT PIPING IS TO REMAIN EXISTING UNLESS OTHERWISE SHOWN.
2. PROVIDE TEMPORARY 1-1/2\"/>

DEMOLITION NOTES:

- △ REMOVE ALL DOMESTIC WATER SUPPLY PIPING DOWN TO FIXTURE INCLUDING FIXTURE STOPS. COORDINATE CUTTING AND PATCHING REQUIRED WITH GENERAL CONTRACTOR.

1 NORTH TOILET & KITCHEN - PIPING DEMOLITION



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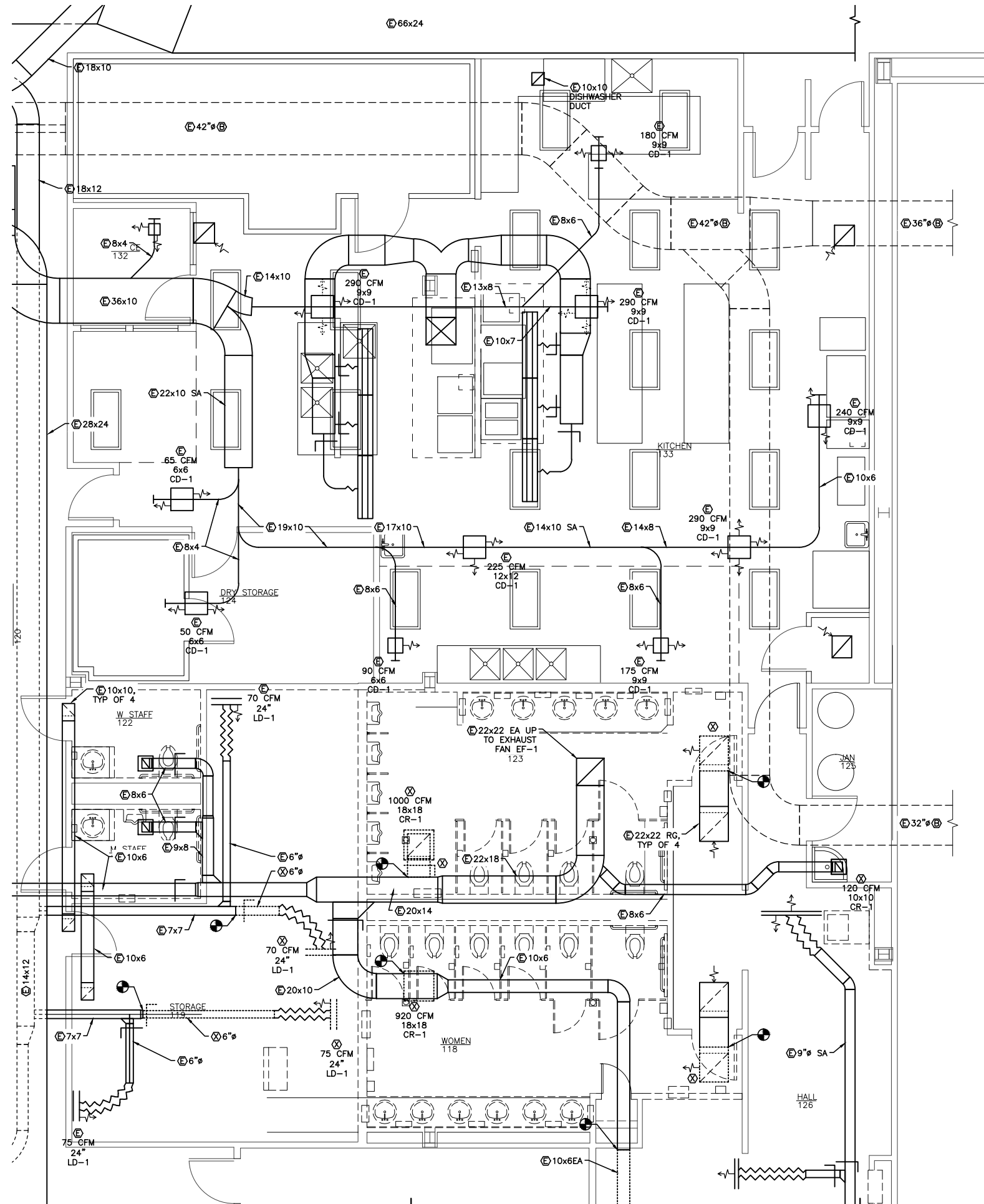
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SHEET TITLE
NORTH TOILET &
KITCHEN - PIPING
DEMOLITION

DATE: Mar 24, 2014
FILE: 13037

MD103



SHEET NOTES:

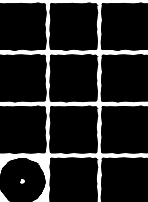
1. DUCTWORK IS EXISTING AND IS SHOWN FOR COORDINATION PURPOSES. CONTRACTOR WILL NEED TO PROVIDE TEMPORARY SUPPORTS AND CAPS FOR DUCTWORK WHEN TOILET ROOM CEILINGS ARE DEMOLISHED FOR PIPING REPLACEMENT.
2. REMOVE DUCTWORK TO REMOVAL POINTS AS SHOWN OR AS REQUIRED. NEW DUCTWORK WILL CONNECT TO EXISTING, SEE SHEET M104.

1

NORTH TOILET & KITCHEN - DUCTWORK DEMOLITION

SCALE: 0 2' 4' 8'

PROJECT NORTH



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STATE OF ALASKA
1914
DOUGLAS H. MURRAY
ME 7870
EXPIRATION DATE 12/31/2014
ISSUE DATE: 3/24/2014

City and Borough of Juneau
**CENTENNIAL HALL
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CBJ Contract No. E14-199
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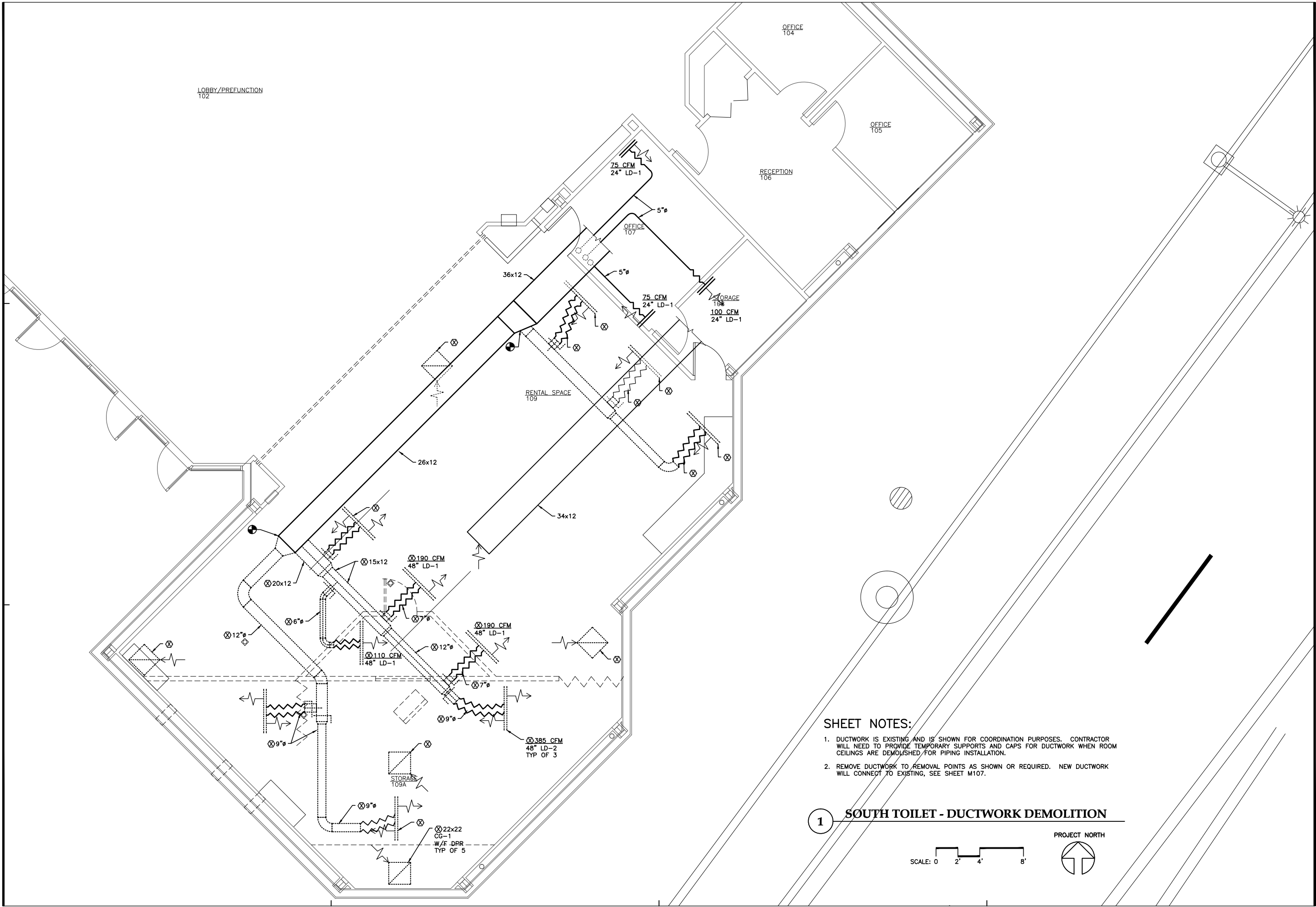
REVISIONS

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SHEET TITLE
NORTH TOILET &
KITCHEN -
DUCTWORK
DEMOLITION

DATE: Mar 24, 2014
FILE: 13037

MD104

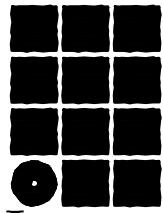
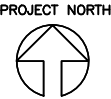


SHEET NOTES:

1. DUCTWORK IS EXISTING AND IS SHOWN FOR COORDINATION PURPOSES. CONTRACTOR WILL NEED TO PROVIDE TEMPORARY SUPPORTS AND CAPS FOR DUCTWORK WHEN ROOM CEILINGS ARE DEMOLISHED FOR PIPING INSTALLATION.
2. REMOVE DUCTWORK TO REMOVAL POINTS AS SHOWN OR REQUIRED. NEW DUCTWORK WILL CONNECT TO EXISTING, SEE SHEET M107.

1 SOUTH TOILET - DUCTWORK DEMOLITION

SCALE: 0 2' 4' 8'



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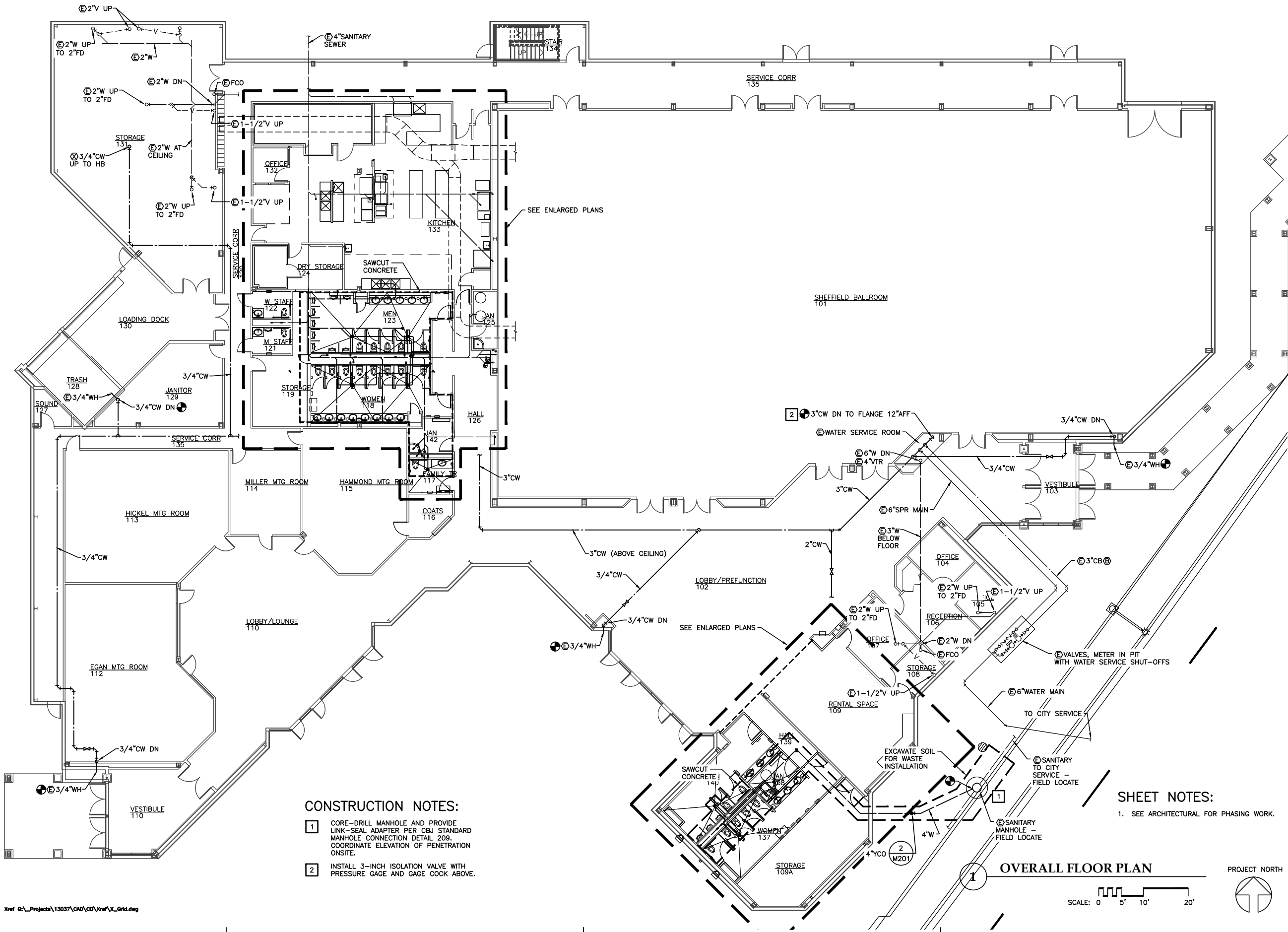
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SHEET TITLE
**SOUTH TOILET -
DUCTWORK
DEMOLITION**

DATE: Mar 24, 2014
FILE: 13037

MD105



CONSTRUCTION NOTES:

- 1 CORE-DRILL MANHOLE AND PROVIDE LINK-SEAL ADAPTER PER CBJ STANDARD MANHOLE CONNECTION DETAIL 209. COORDINATE ELEVATION OF PENETRATION ONSITE.
- 2 INSTALL 3-INCH ISOLATION VALVE WITH PRESSURE GAGE AND GAGE COCK ABOVE.

SHEET NOTES:

1. SEE ARCHITECTURAL FOR PHASING WORK.

OVERALL FLOOR PLAN

SCALE: 0 5' 10' 20'

PROJECT NORTH

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STATE OF ALASKA
4916
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PROFESSIONAL ENGINEER
ISSUE DATE: 3/24/2014

City and Borough of Juneau
CENTENNIAL HALL RENOVATIONS
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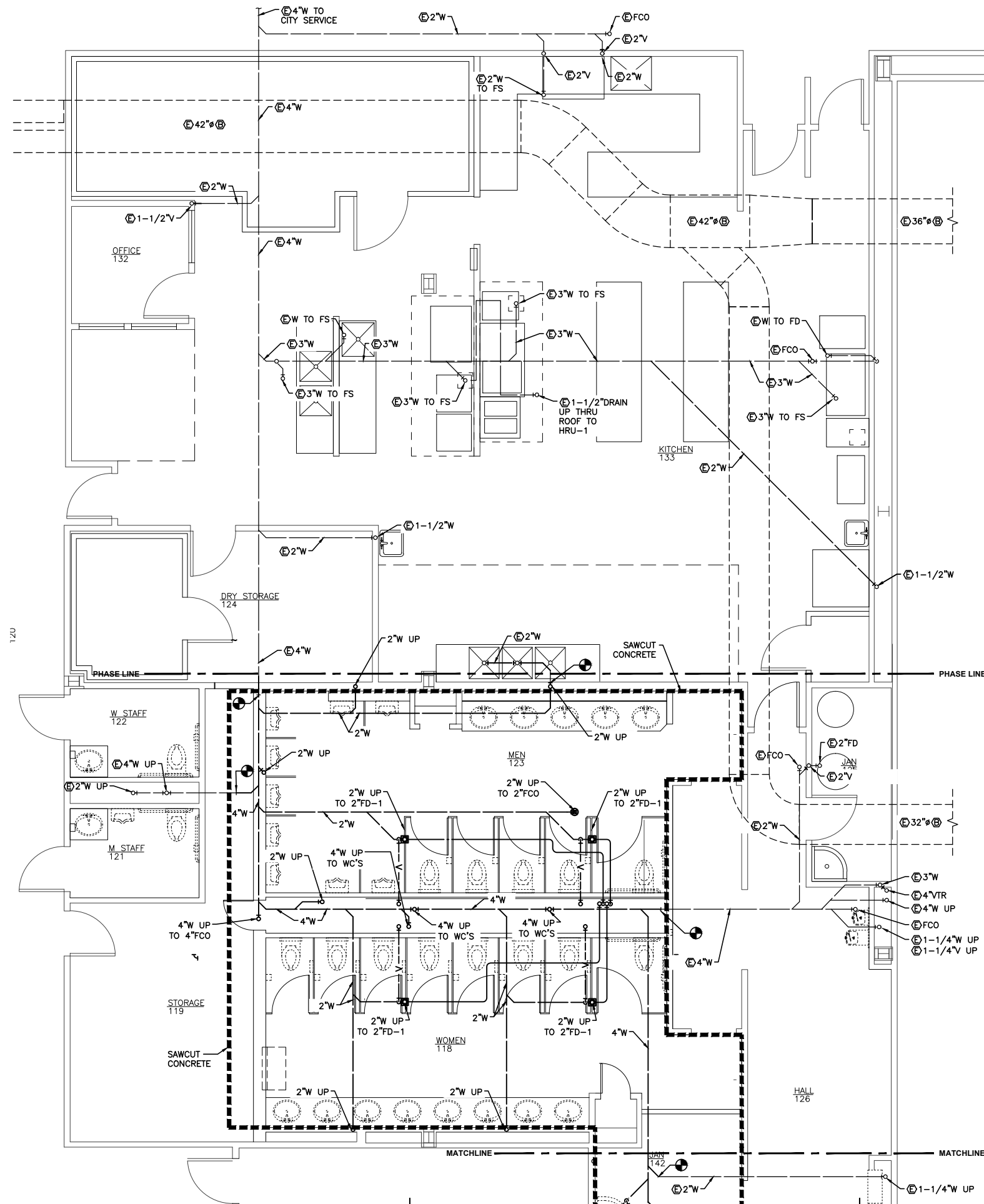
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SHEET TITLE
OVERALL FLOOR PLAN

DATE: Mar 24, 2014
FILE: 13037

M100



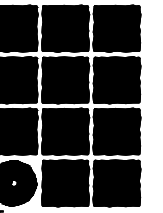
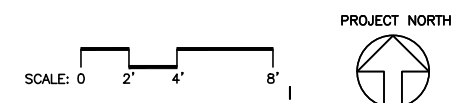
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FAMILY TR



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NORTH TOILET & KITCHEN - FOUNDATION



**Jensen
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ASSOCIATES P.C.
CONSULTING
ENGINEERS

P.O. BOX 21081
JUNEAU, AK 99802
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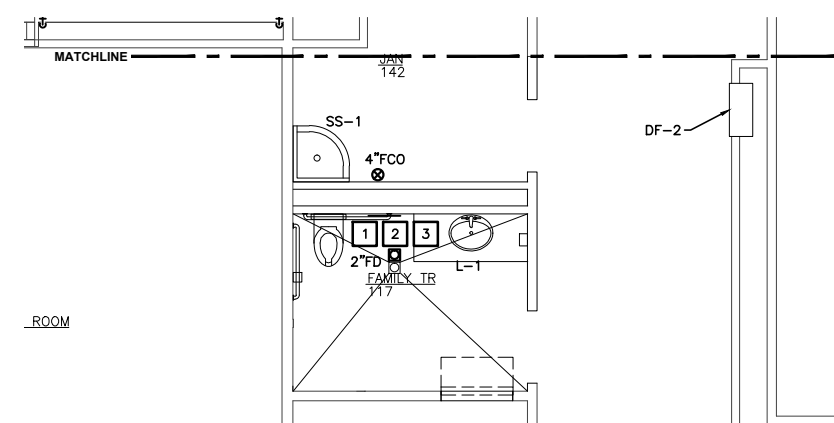
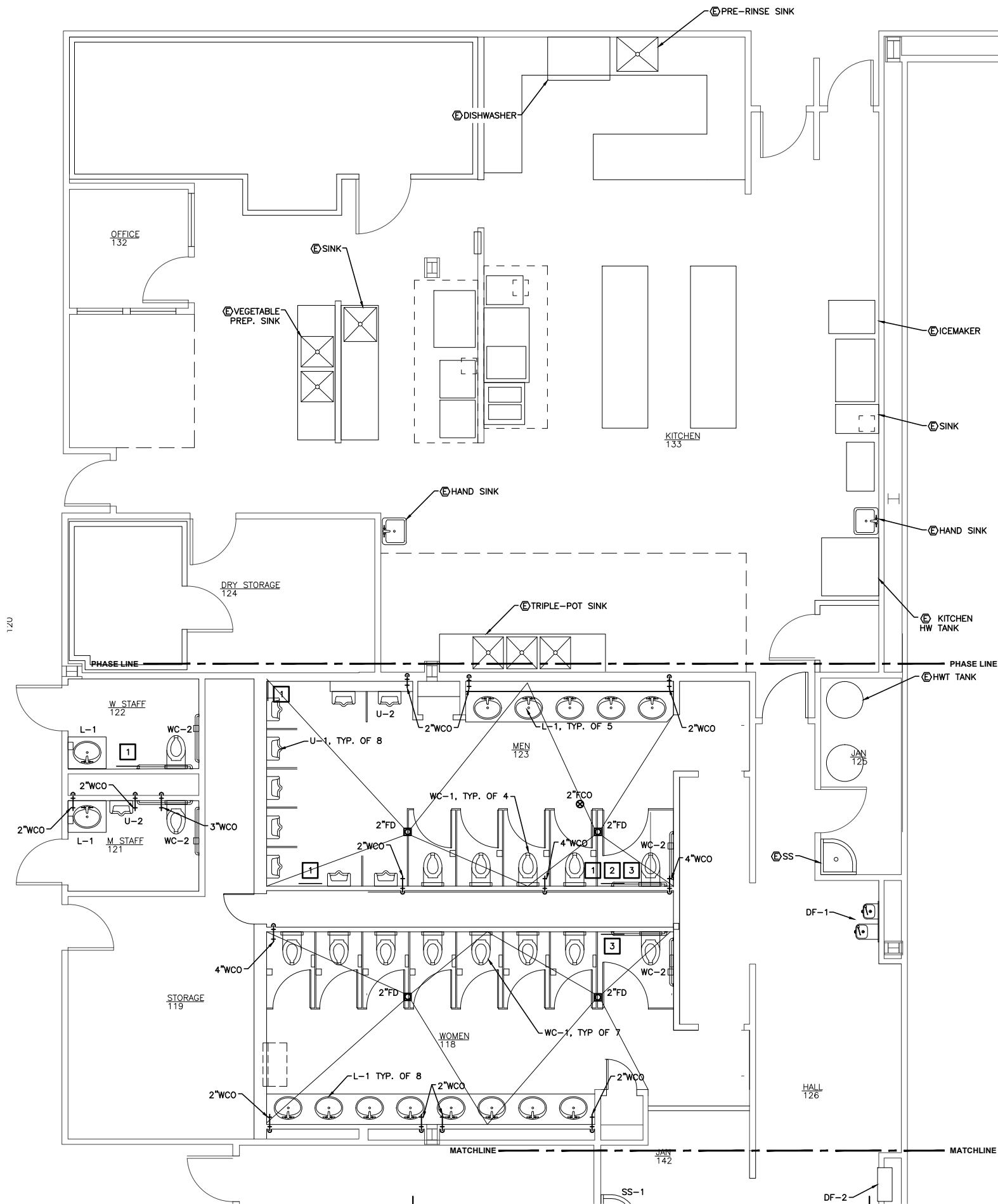
City and Borough of Juneau
**CENTENNIAL HALL
RENOVATIONS**
CBJ Contract No. E14-199
Juneau, Alaska

REVISIONS
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SHEET TITLE
NORTH TOILET &
KITCHEN -
FOUNDATION

DATE: Mar 24, 2014
FILE: 13037

M101



1 FAMILY TR

SCALE: 0 2' 4' 8'

PROJECT NORTH

CONSTRUCTION NOTES:

- 1 WHA'S BEHIND 16"x16" ACCESS DOOR.
- 2 (2) TRAP PRIMER ASSEMBLIES FOR FD BEHIND ACCESS DOOR.
- 3 INSTALL 3/4"CW HB BEHIND ACCESS DOOR.

1 NORTH TOILET & KITCHEN - FLOOR PLAN

SCALE: 0 2' 4' 8'

PROJECT NORTH

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STATE OF ALASKA

1914

DOUGLAS H. MURRAY
ME 7870

PROFESSIONAL ENGINEER

ISSUE DATE: 3/24/2014

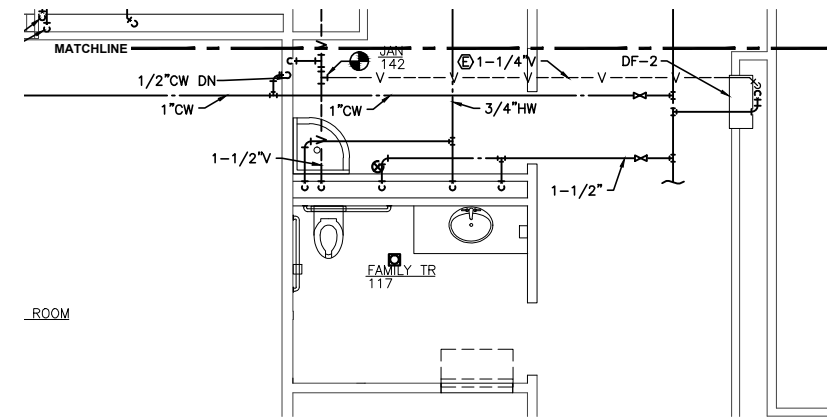
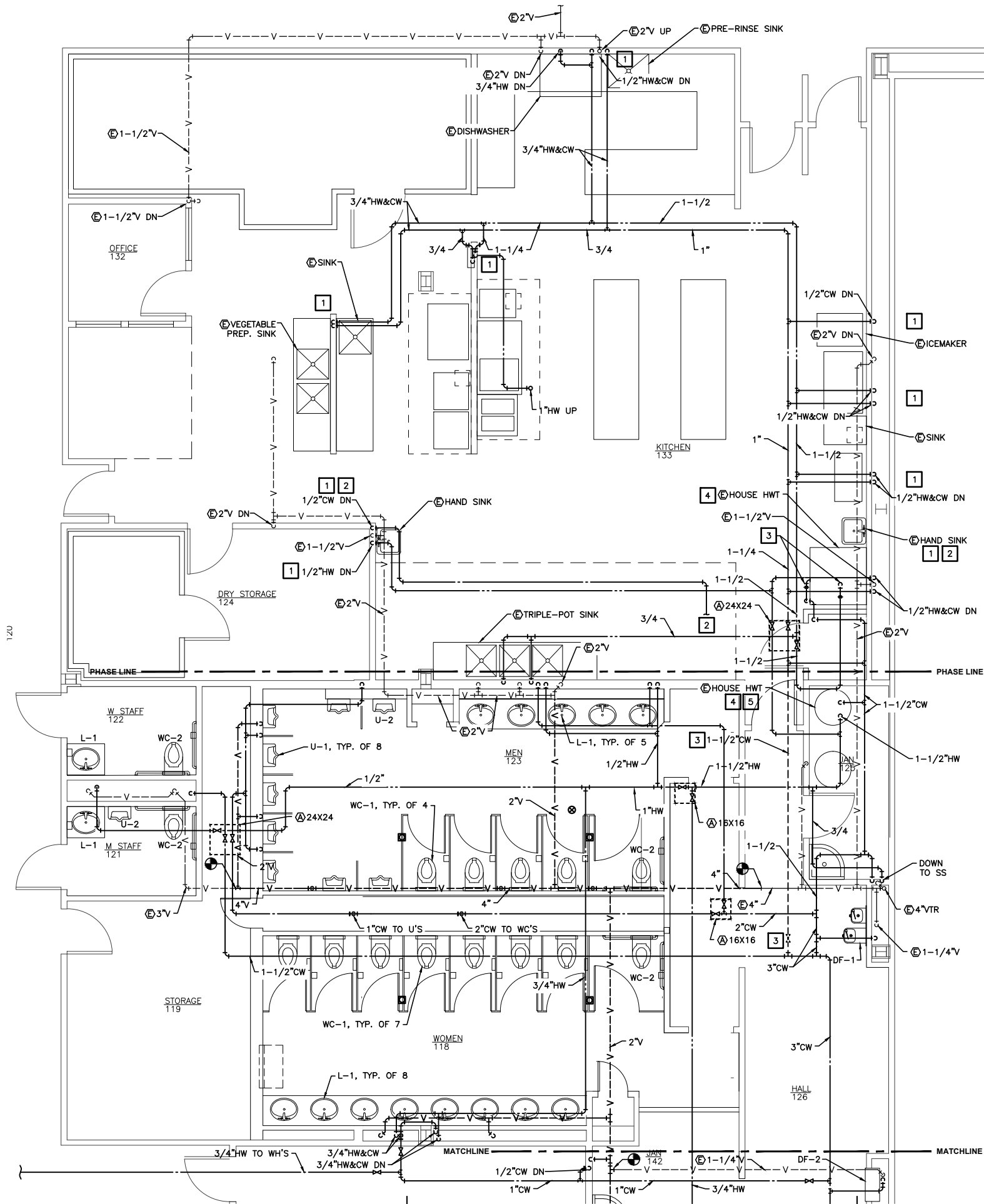
City and Borough of Juneau
CENTENNIAL HALL RENOVATIONS
CBJ Contract No. E14-199
Juneau, Alaska

REVISIONS

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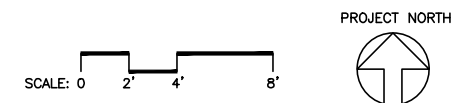
SHEET TITLE
NORTH TOILET & KITCHEN - FLOOR PLAN

DATE: Mar 24, 2014
FILE: 13037



2

FAMILY TR



SHEET NOTES:

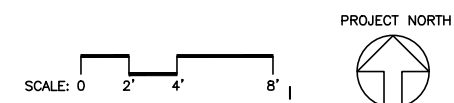
1. REPLACE ALL DOMESTIC WATER PIPING AND SUPPORTS AS SHOWN. VENT PIPING IS TO REMAIN EXISTING UNLESS OTHERWISE SHOWN. PROVIDE CONNECTION TO PLUMBING VENT PIPING FROM FIXTURES AS REQUIRED.
2. SPRINKLER HEADS NOT SHOWN. REINSTALL HEADS IN NEW CEILING OF PROJECT AREA. MODIFY BRANCH PIPING AS REQUIRED.

CONSTRUCTION NOTES:

1. INSTALL DOMESTIC WATER PIPING DOWN TO EXISTING FIXTURE. REPLACE STOPS.
2. CONNECT KITCHEN HAND WASH SUPPLIES TO HOUSE HWT, NOT KITCHEN HWT.
3. PROVIDE TEMPORARY 1-1/2" CW PIPING TO KITCHEN FIXTURES DURING TOILET ROOM WORK. CAP AFTER VALVE WHEN FINISHED.
4. PROVIDE ISOLATION VALVES ON WATER SUPPLY PIPING.
5. INSTALL TEMPERING VALVE. SEE SHEET M201 DETAIL 3 FOR PIPING DETAILS.

1

NORTH TOILET & KITCHEN - PIPING



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ISSUE DATE: 3/24/2014

City and Borough of Juneau
**CENTENNIAL HALL
RENOVATIONS**
CBJ Contract No. E14-199
Juneau, Alaska

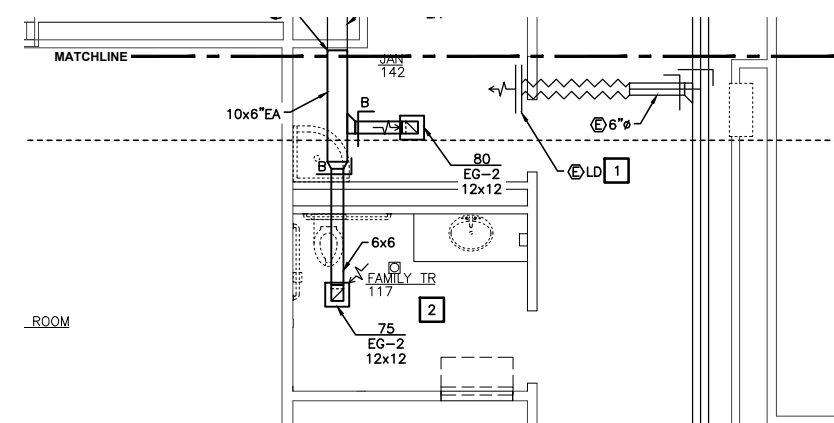
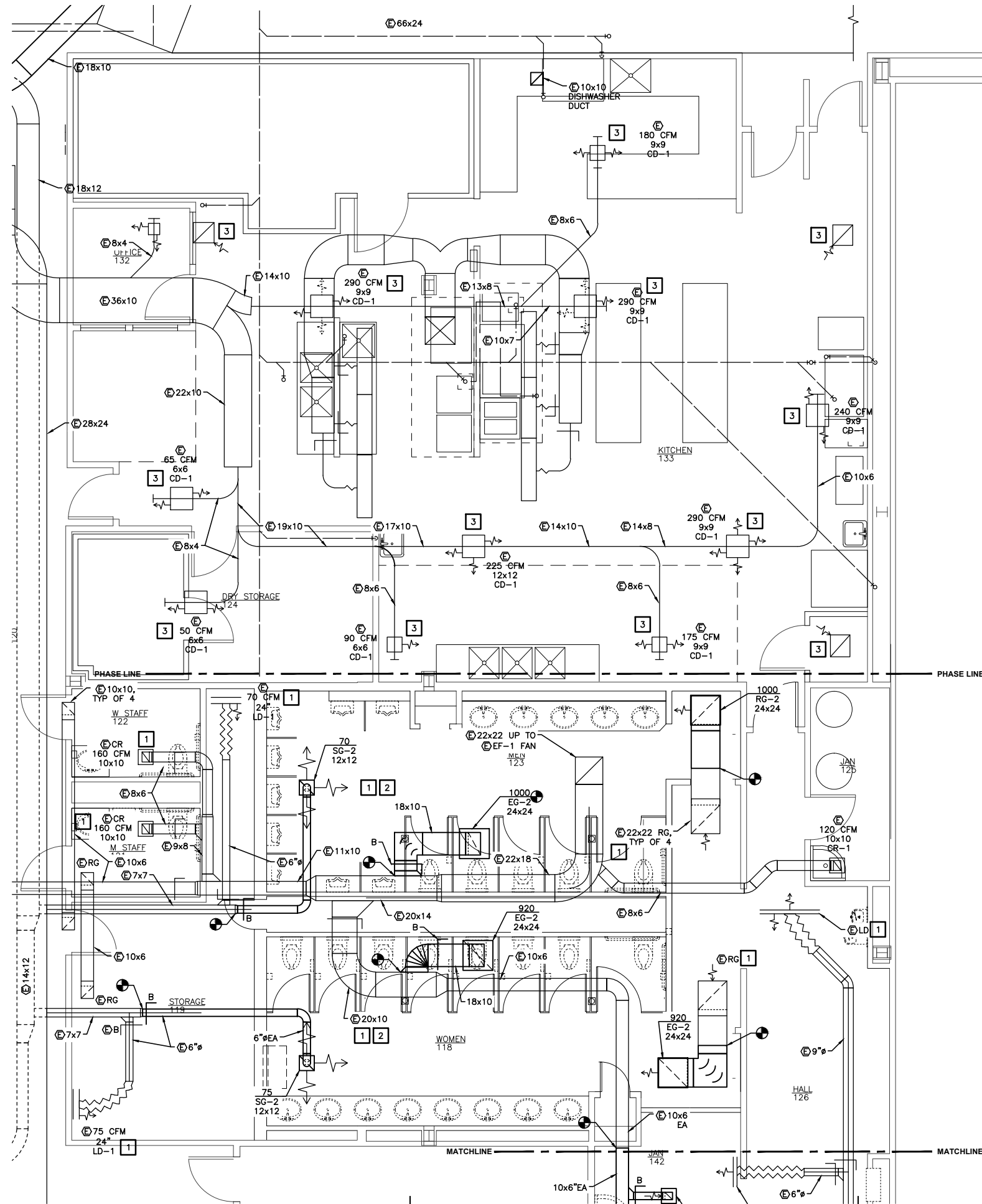
REVISIONS



SHEET TITLE
NORTH TOILET &
KITCHEN - PIPING

DATE: Mar 24, 2014
FILE: 13037

M103



2 FAMILY TR

PROJECT NORTH

SCALE: 0 4' 8' 16'

SHEET NOTES:

- COORDINATE EXISTING GRILLES AND SPRINKLER HEADS WITH NEW CEILING INSTALLATION.
- ADJUST SPRINKLER HEADS, GRILLES, AND DIFFUSERS SLIGHTLY TO ALIGN WITH NEW KITCHEN CEILING GRID IN ALTERNATE WORK.

CONSTRUCTION NOTES:

- REINSTALL GRILLES AND REGISTERS IN NEW CEILING AREA. TEST AND BALANCE.
- REINSTALL SPRINKLER HEADS IN NEW CEILING AREA. ADD HEADS AS REQUIRED.
- ADJUST GRILLE/DIFFUSER TO ALIGN WITH NEW KITCHEN CEILING GRID IN ALTERNATE WORK.

1 NORTH TOILET & KITCHEN - DUCTWORK

PROJECT NORTH

SCALE: 0 2' 4' 8'



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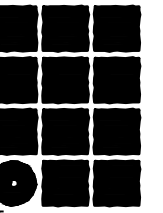
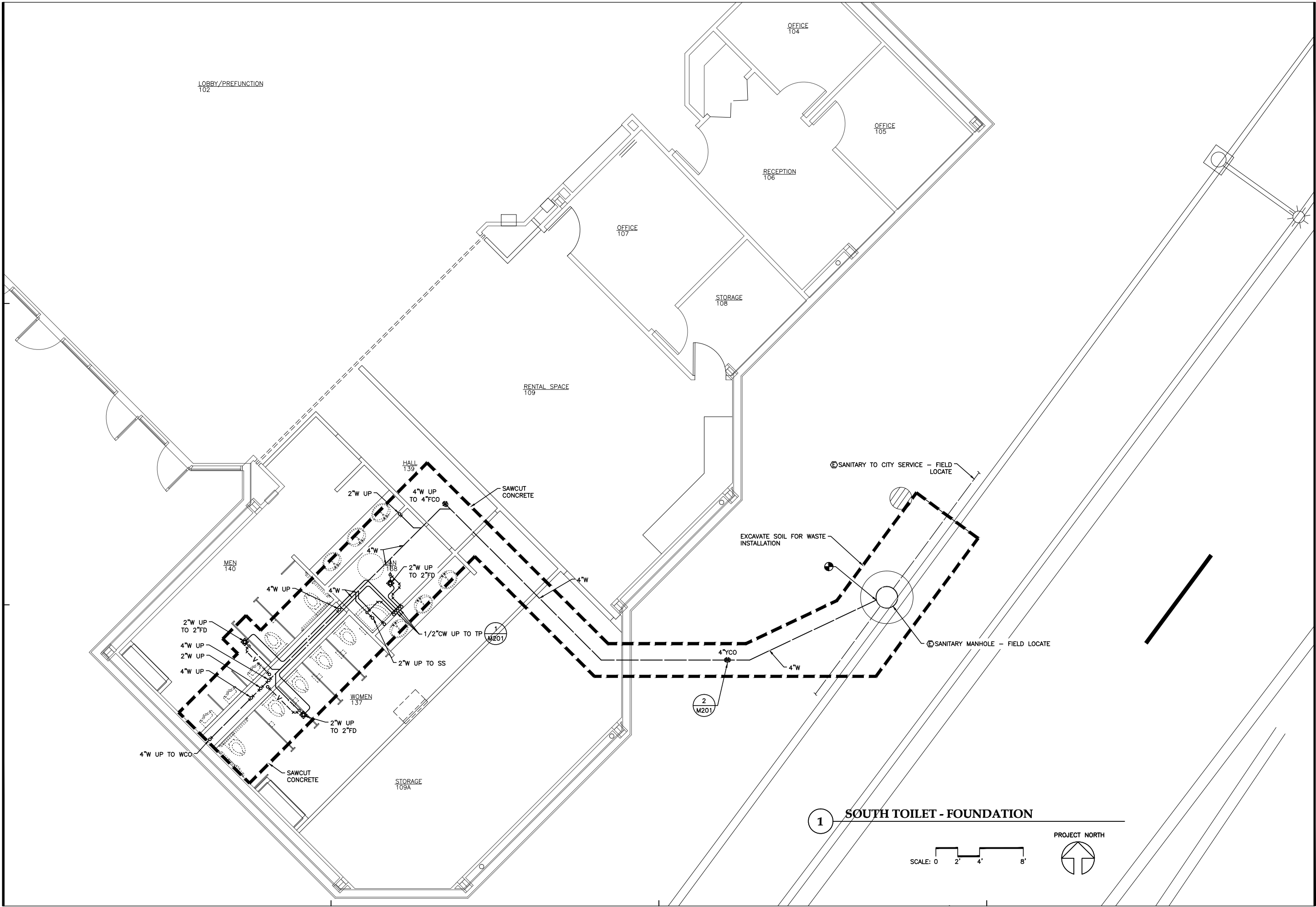
REVISIONS

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SHEET TITLE
NORTH TOILET &
KITCHEN -
DUCTWORK

DATE: Mar 24, 2014
FILE: 13037

M104



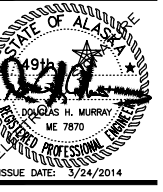
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City and Borough of Juneau
**CENTENNIAL HALL
RENOVATIONS**
CBJ Contract No. F14-199
Juneau, Alaska

REVISIONS

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SHEET TITLE
**SOUTH TOILET -
FOUNDATION**

DATE: Mar 24, 2014
FILE: 13037

M105



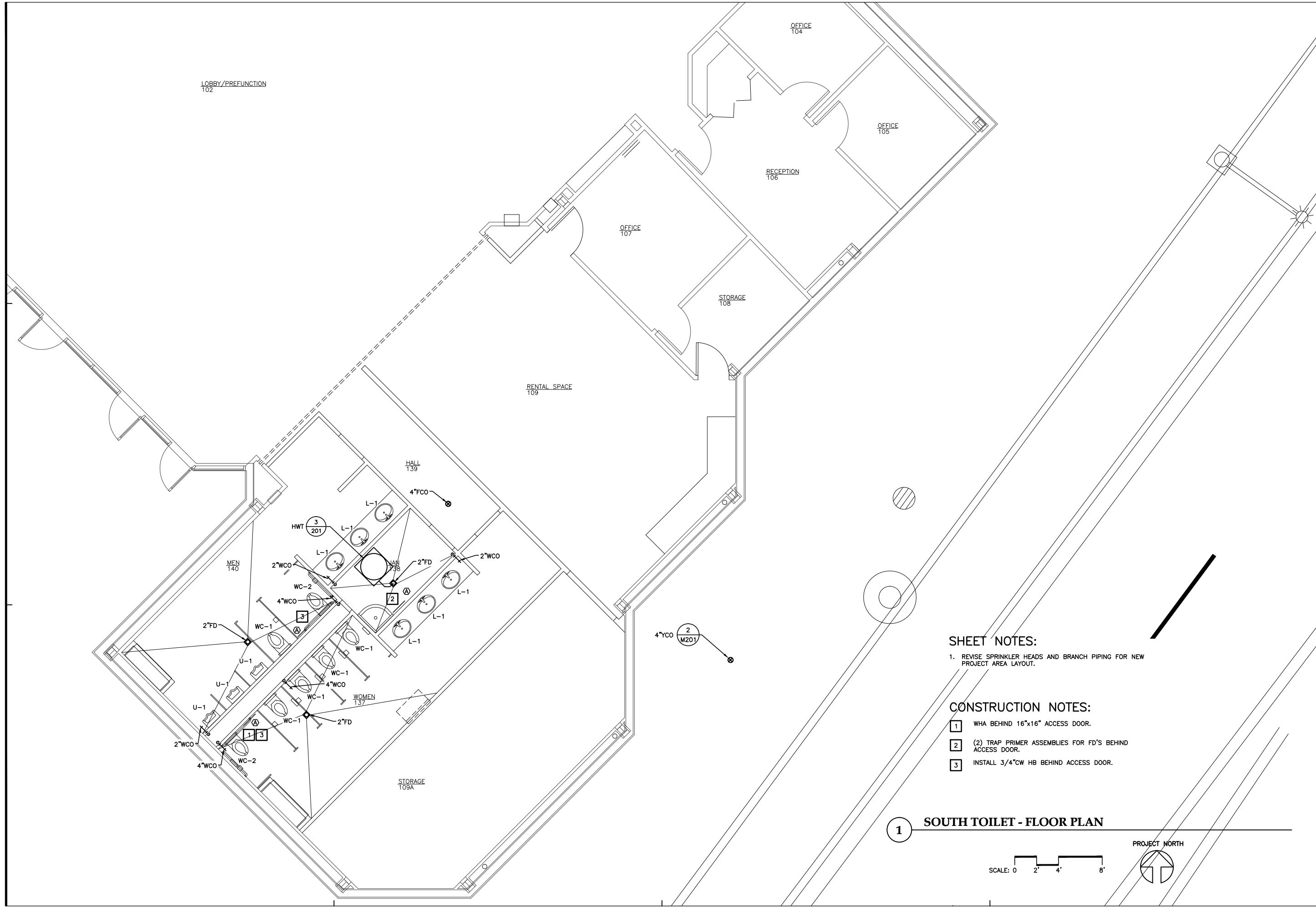
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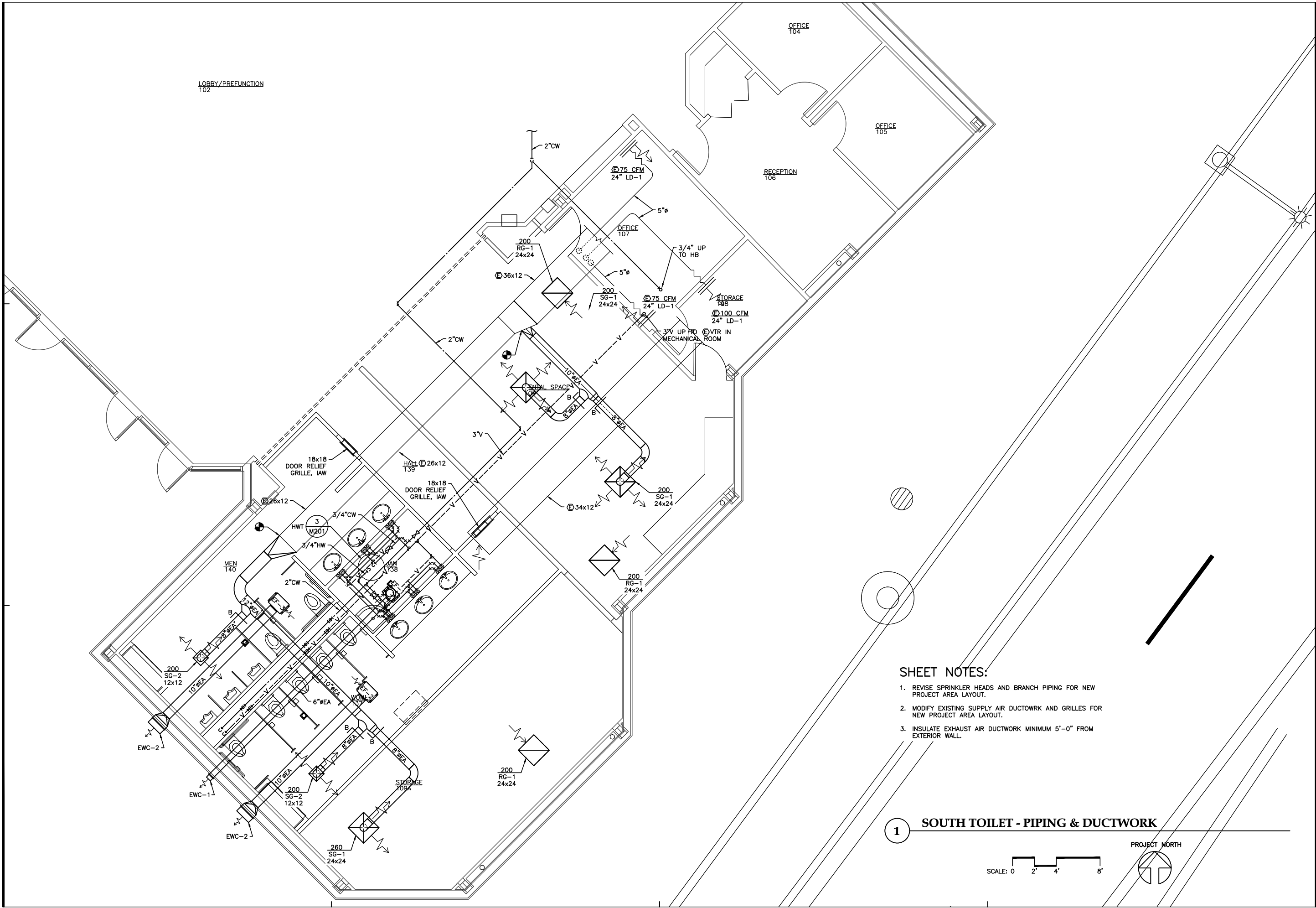


**CENTENNIAL HALL
RENOVATIONS**
CBI Contract No. E14-199
Juneau, Alaska

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M106





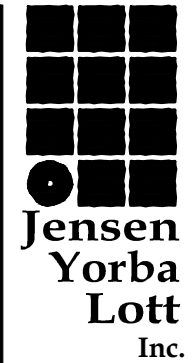
SHEET NOTES:

1. REVISE SPRINKLER HEADS AND BRANCH PIPING FOR NEW PROJECT AREA LAYOUT.
2. MODIFY EXISTING SUPPLY AIR DUCTWORK AND GRILLES FOR NEW PROJECT AREA LAYOUT.
3. INSULATE EXHAUST AIR DUCTWORK MINIMUM 5'-0" FROM EXTERIOR WALL.

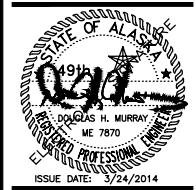
1 SOUTH TOILET - PIPING & DUCTWORK

SCALE: 0 2' 4' 8'

PROJECT NORTH



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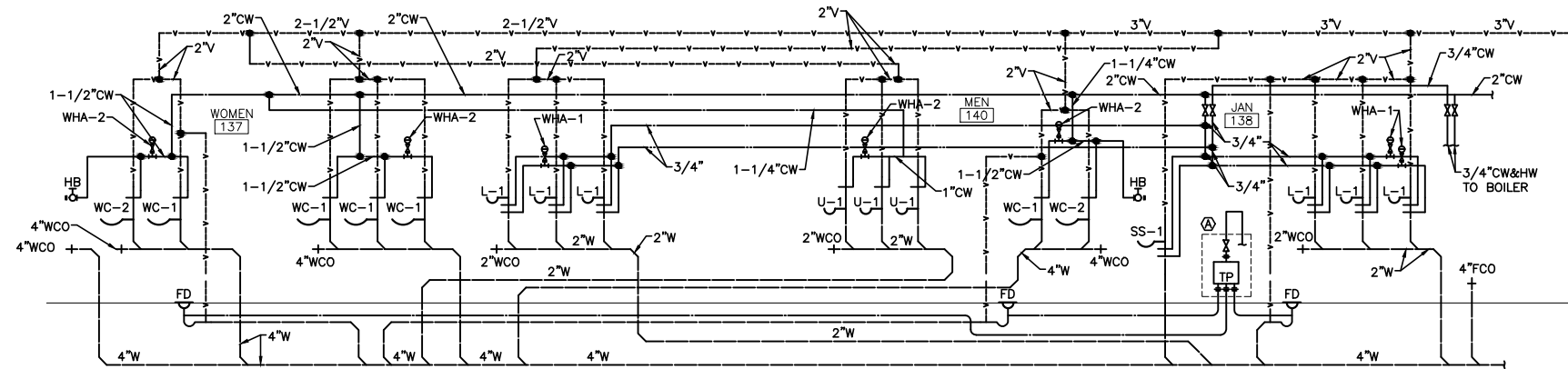


City and Borough of Juneau
**CENTENNIAL HALL
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Juneau, Alaska

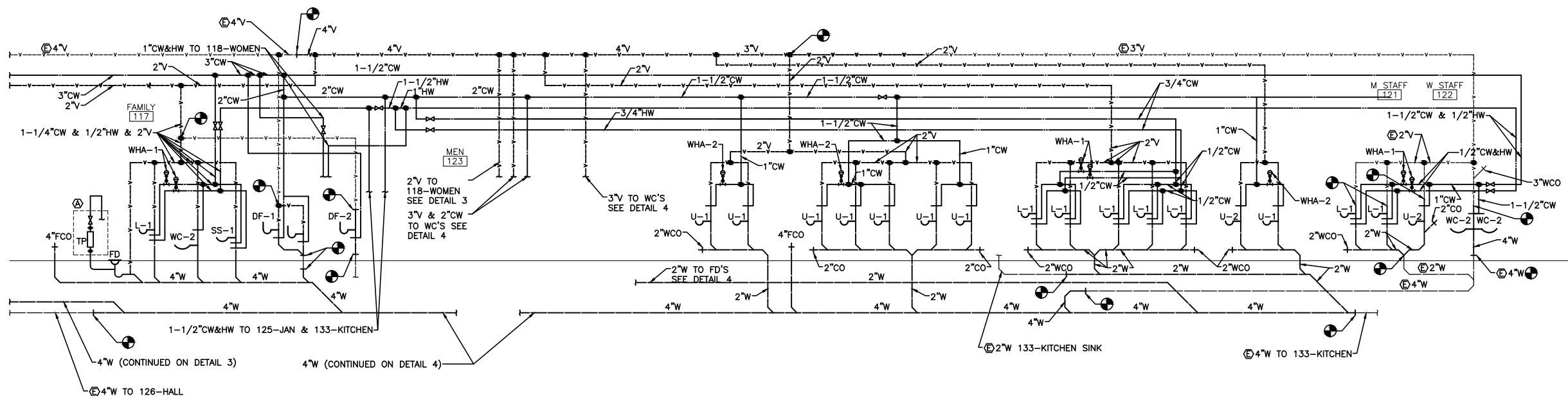
REVISIONS
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SHEET TITLE
SOUTH TOILET -
PIPING &
DUCTWORK

DATE: Mar 24, 2014
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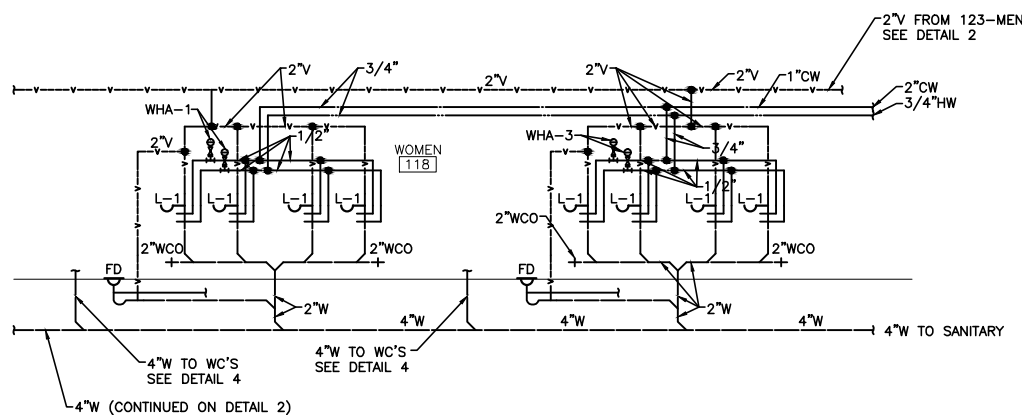
M107



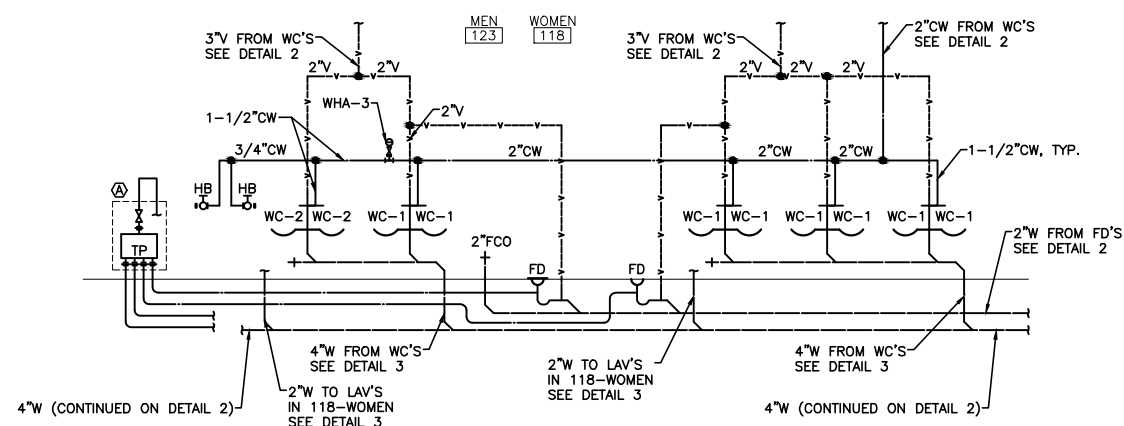
1 PLUMBING DIAGRAM - SOUTH TOILETS



2 PLUMBING DIAGRAM - NORTH TOILETS - PARTIAL



3 PLUMBING DIAGRAM - NORTH TOILETS - PARTIAL



4 PLUMBING DIAGRAM - NORTH TOILETS - PARTIAL

SCALE: 0 5' 10' 20'

PROJECT NORTH



SHEET NOTES:

1. SEE ARCHITECTURAL FOR PHASING WORK.
2. SEE ARCHITECTURAL FIXTURE ELEVATIONS FOR HEIGHTS REQUIRED.



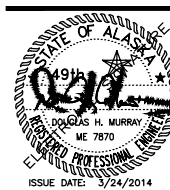
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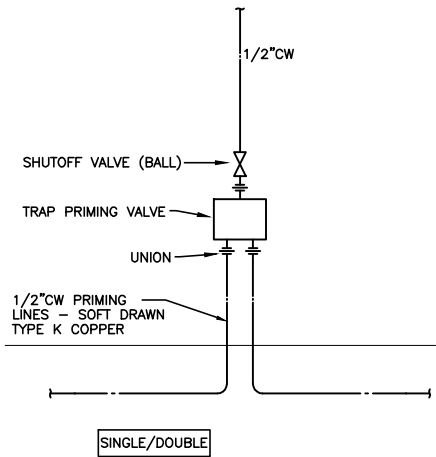
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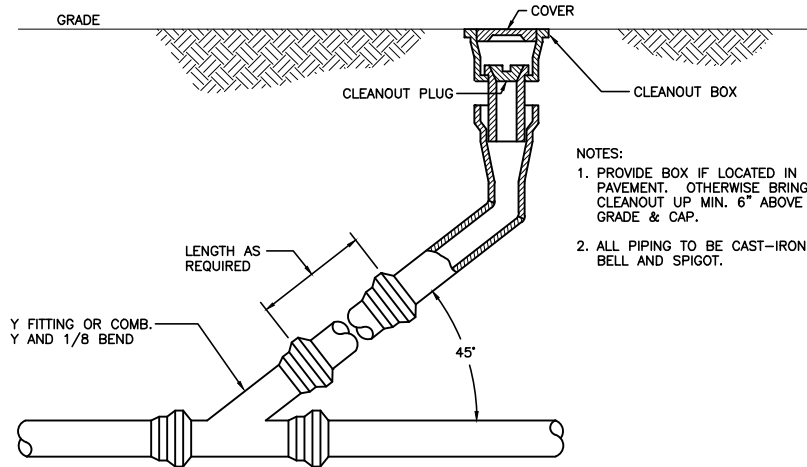
SHEET TITLE
**PLUMBING
DIAGRAM**

DATE: Mar 24, 2014
FILE: 13037

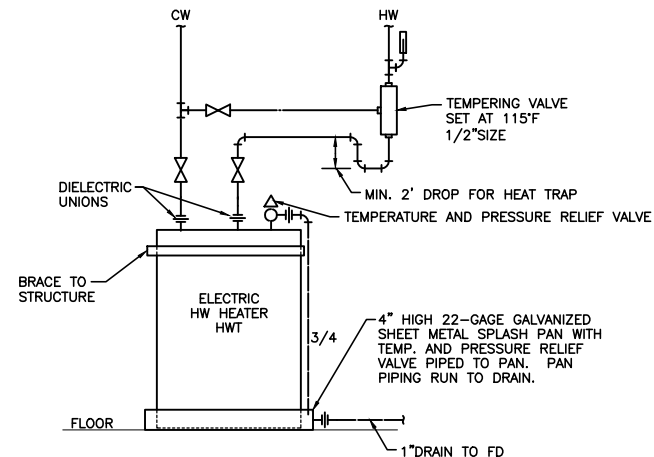
M200



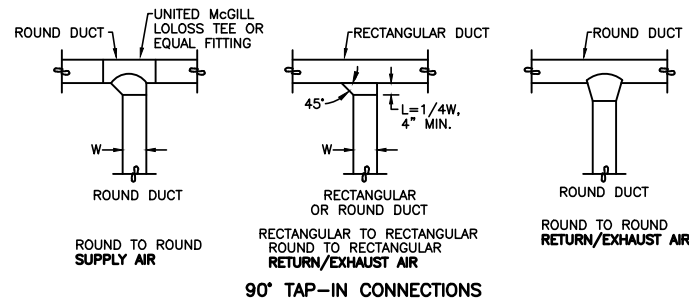
1 TRAP PRIMER DETAIL
NO SCALE



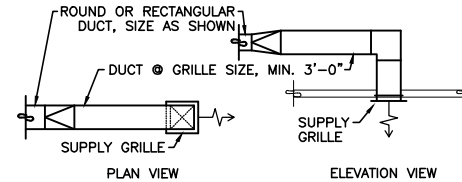
2 YARD CLEAN OUT DETAIL
NO SCALE



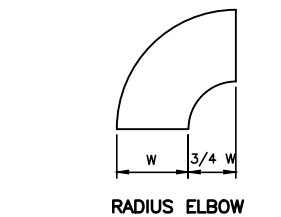
3 ELECTIC HOT WATER HEATER DETAIL
NO SCALE



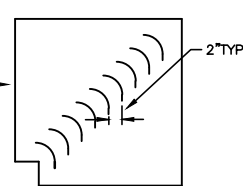
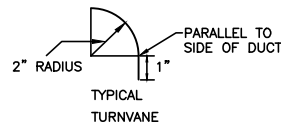
90° TAP-IN CONNECTIONS



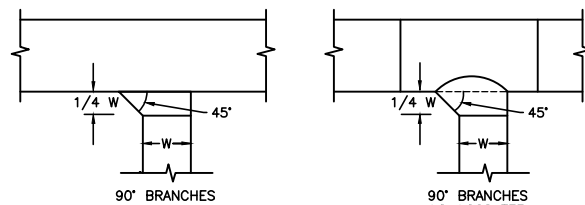
SUPPLY GRILLE CONNECTIONS



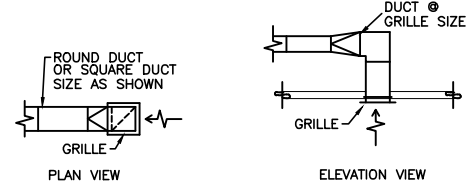
RADIUS ELBOW



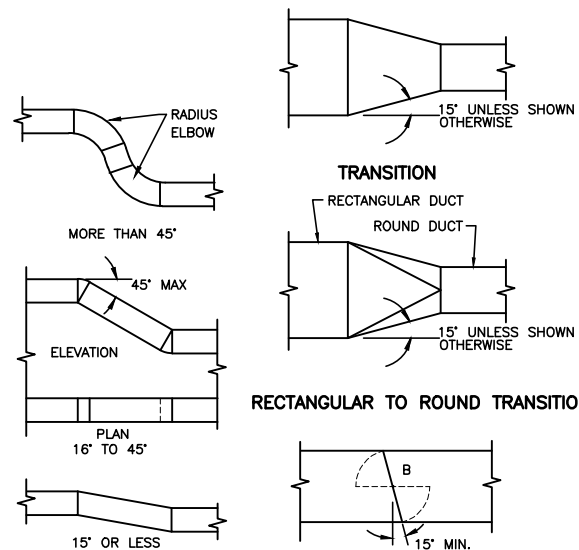
**SQUARE MITER ELBOW
RECTANGULAR DUCTS**



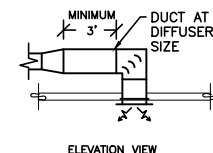
BRANCH DUCT CONNECTIONS



RETURN/EXHAUST GRILLE CONNECTIONS



RECTANGULAR AND ROUND DUCTS

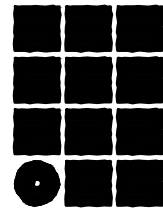


DIFFUSER CONNECTIONS

ROUND DUCTS

- NOTES: 1. ALL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE DETAILS AND THE SPECIFICATIONS.
2. MANUAL DAMPER SHALL BE INSTALLED IN EVERY BRANCH DUCT SERVING A DIFFUSER OR GRILLE AND WHERE TWO DUCTS JOIN WHETHER SHOWN OR NOT.

4 DUCT CONSTRUCTION DETAILS
NO SCALE



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SHEET TITLE
**DETAILS &
DIAGRAMS**

DATE: Mar 24, 2014
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M201