——————————·——————	CW	COLD WATER
——————————··——————	HW	HOT WATER
——V————V————V————	V	VENT
————————————————	W	WASTE, SOIL, DRAINAGE
——||——		UNION
——|—	CO	CLEANOUT

SYMBOLS

	POINT OF CONNECTION OR REMOVAL
1 , 1	CONSTRUCTION NOTE; GENERAL, SPECIFIC
T ▽	THERMOSTAT – IMMERSION, ROOM
$	CONTROL SWITCH
ø	DIAMETER
C	CONNECT TO EXISTING
E	EXISTING
X	TO BE REMOVED
	CONCRETE WALL
	INSULATED DUCT
100 / 9x9	AIR VOLUME / DIFFUSER/GRILLE SIZE
	CEILING RETURN/EXHAUST GRILLE
	CEILING SUPPLY DIFFUSER
	RECTANGULAR TO ROUND DUCT TRANSITION
	RETURN/EXHAUST DUCT UP, DOWN
	SUPPLY DUCT UP, DOWN

AFF	ABOVE FINISHED FLOOR
BT	BATHTUB
CEF	CEILING EXHAUST FAN
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
CV	CONVECTOR
DU	DIELECTRIC UNION
EA	EXHAUST AIR
EC	EXHAUST CAP
EF	EXHAUST FAN
EG	EXHAUST GRILLE
F	FIXTURE
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FRP	FIBERGLASS REINFORCED PLASTIC
IEW	IN ELECTRICAL WORK
L	LAVATORY
NIC	NOT IN CONTRACT
OC	ON CENTER
OSA	OUTSIDE AIR
RI	ROUGH IN
S	SINK
SD	SHOWER DRAIN
SG	SUPPLY GRILLE
SH	SHOWER
SHV	SHOWER VALVE
TEF	TOILET EXHAUST FAN
TYP	TYPICAL
VB	VACUUM BREAKER
W	WASHER
W/D	WASHER/DRYER
WB	WASHER BOX
WC	WATER CLOSET
WCO	WALL CLEAN OUT

GENERAL NOTES:

1. SEAL ALL WALL, CEILING AND FLOOR PENETRATIONS AIR TIGHT.
2. COORDINATE SELECTION AND PROVISION OF EQUIPMENT WITH ACTUAL CONSTRUCTION CONDITIONS.
3. OWNER HAS FIRST RIGHT OF REFUSAL ON ALL DEMOLISHED PLUMBING FIXTURES. OTHERWISE DISPOSE OF FIXTURES PROPERLY.

CODE NOTES:

1. CODES & REGULATIONS: ALL WORK HEREUNDER SHALL BE STRICTLY IN CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2009 INTERNATIONAL CODES, 2009 UNIFORM PLUMBING CODE, NFPA, CBJ, 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.

PLUMBING EQUIPMENT SCHEDULE

EQUIPMENT	DESIGN MANUFACTURER	OPTIONS/TRIM
WATER CLOSET, WC–1	AMERICAN STANDARD H2OPTION	FLOOR MOUNTED, SIPHON JET VITREOUS CHINA CLOSET BOWL, WITH ELONGATED RIM, 16–1/2–INCH BOWL HEIGHT, CHINA BOLT CAPS. TANK TYPE, MANUALLY OPERATED WITH INSULATED LINER. DUAL FLUSH 1.0 GALLON MAX FLUSH VOLUME. SEAT: SOLID PLASTIC, ELONGATED, EXTENDED BACK, SELF–SUSTAINING HINGE, BRASS BOLTS, WITH COVER, SIMILAR TO AMERICAN STANDARD 5321.110. WAX RING AND FIXTURE STOP VALVE.
LAVATORY, L–1	SWAN CORPORATION SOLID SURFACE CV–2225	SOLID SURFACE LAVATORY BASIN WITH INTEGRAL COUNTER AND BACKSPLASH. SEE ARCHITECTURAL. SECTION 10281. ACCESSORIES: INSULATION SHIELDS ON PLUMBING PIPING FOR ADA COMPLIANCE. CHROME PLATED 17–GAUGE BRASS P–TRAP WITH CLEAN–OUT PLUG AND ARM WITH ESCUTCHEON. OFFSET WASTE WITH PERFORATED OPEN GRID STRAINER. WHEEL HANDLE STOPS. RIGID SUPPLIES.
FAUCET, F–1	AMERICAN STANDARD BERWICK 7430.101	SINGLE HOLE, SINGLE CONTROL MONOBLOCK FAUCET. CAST BRASS BODY, LEVER HANDLE, CERAMIC DISC VALVE CARTRIDGE, ADJUSTABLE HOT LIMIT SAFETY STOP, SPEED CONNECT METAL POP–UP DRAIN CONTROL WITH FLEXIBLE STAINLESS STEEL CABLE. 1.5 GPM MAX FLOW RATE. FINISH: POLISHED CHROME, TYP. ACCESSORIES: ESCUTCHEON PLATE.
SHOWER, SH–1, SH–2	AMERICAN STANDARD BERWICK SHOWER TRIM	SHOWER TRIM: AMERICAN STANDARD BERWICK COLLECTION, PRESSURE BALANCE SHOWER FITTING, TRIM: BERWICK T430.500; VALVE: R110 OR SIMILAR AS NEEDED; SHOWER HEAD, ARM & FLANGE: AMERICAN STANDARD 1660.651, 3–FUNCTION RAIN SHOWERHEAD 4.75–INCH DIA; FINISH: POLISHED CHROME, TYP.
SHOWER BASE, SB–1	SWAN CORPORATION SOLID SURFACE SS–3448	SEE ARCHITECTURAL. SECTION 10281.
SHOWER BASE, SB–2	SWAN CORPORATION SOLID SURFACE SS–3636	SEE ARCHITECTURAL. SECTION 10281.
SHOWER DRAIN, SD–1	ZURN, 415 WITH TYPE SH STRAINER	ANSI A1121.1; GALVANIZED CAST IRON TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, REVERSIBLE CLAMPING COLLAR, AND STRAINER. ENTIRE STRAINER TOP SECURED TO DRAIN WITH REMOVABLE CORROSION–RESISTANT FASTENERS. 2–INCH OUTLET. ONE ADDITIONAL SD STRAINER TOP FURNISHED TO OWNER.

FAN SCHEDULE

EQUIPMENT	DESIGN MANUFACTURER	FEATURES AND ACCESSORIES
THERMOSTATIC RADIATOR VALVE	DANFOSS RA 2000 HONEYWELL V110	WALL MOUNTED DIAL WITH REMOTE SENSOR WITH MINIMUM 16–FT CAPILLARY TUBE. NON–ELECTRIC WITH ADJUSTABLE LIMITS AND INTEGRAL SET POINT. NEATLY INSTALL CAPILLARY TUBING.

FAN SCHEDULE

EQUIPMENT	AREA SERVED	CFM	TSP, INCHES OF WATER	DESIGN MANUFACTURE & MODEL	MIN. HP	VOLTS / PHASE	FEATURES AND ACCESSORIES
TEF–1	TOILET ROOMS	80/30	0.25	PANASONIC FV–08VKM3	22 W	120V/1ø	TWO–SPEED LO–HI CEILING MOUNTED FAN. INTERNAL ADJUSTABLE AIR VOLUME AND TIMER. INLET GRILLE. CORROSION RESISTANT CONSTRUCTION. DESIGNED FOR CONTINUOUS OPERATION. LOW NOISE OPERATION. TWO SPEED SWITCH IEW.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	HOT WATER	COLD WATER	WASTE	VENT
WATER CLOSET, WC–1	–	3/4	4	2
LAVATORY, L–1	1/2	1/2	2	1–1/2
FLOOR DRAIN, FD	–	–	2	–
SHOWER, SH–1, SH–2	1/2	1/2	2	1–1/2

NOTE: VERIFY EXISTING CONNECTION SIZES ON SITE

Sheet List Table

Sheet Number	Sheet Title
M001	SCHEDULES & SYMBOLS
M100	SECOND FLOOR – DEMO
M200	SECOND FLOOR – NEW CONSTRUCTION

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NWA–1119 JUNEAU FIRE HALL DORMS

STATE OF ALASKA — 49th — DOUGLAS H. MURRAY — ME 7870 — REGISTERED PROFESSIONAL ENGINEER
ISSUE DATE: 04–16–2015

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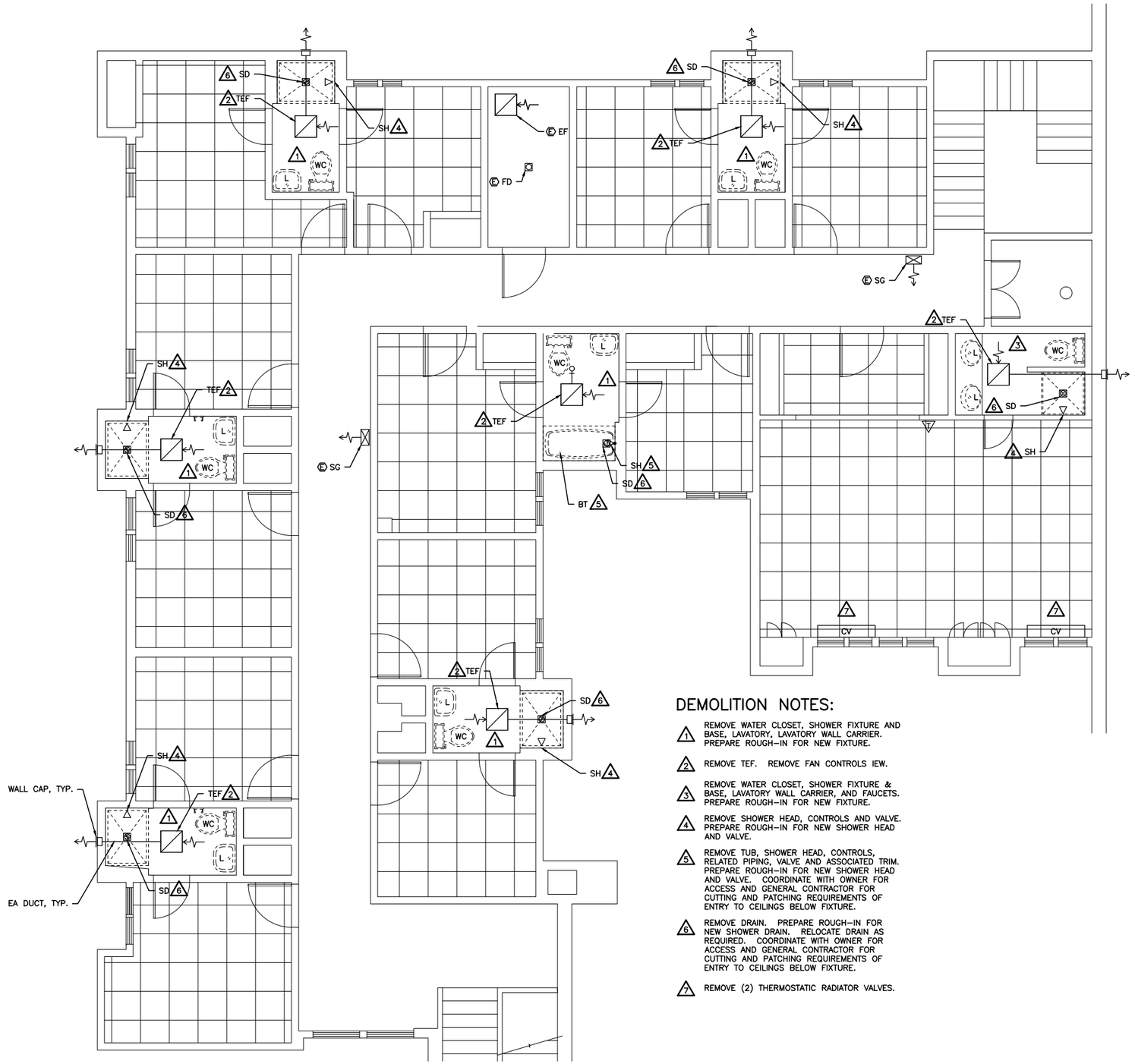
JUNEAU DOWNTOWN FIREHALL DORMITORY RENOVATION

CBJ Contract No. E16–077
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SHEET TITLE:
SCHEDULES AND SYMBOLS

DATE: APRIL 2015
REVISION: ....
CHECKED BY: DM
DRAWN: RR

SHEET #
M001



DEMOLITION NOTES:

1. REMOVE WATER CLOSET, SHOWER FIXTURE AND BASE, LAVATORY, LAVATORY WALL CARRIER. PREPARE ROUGH-IN FOR NEW FIXTURE.
2. REMOVE TEF. REMOVE FAN CONTROLS IEW.
3. REMOVE WATER CLOSET, SHOWER FIXTURE & BASE, LAVATORY WALL CARRIER, AND FAUCETS. PREPARE ROUGH-IN FOR NEW FIXTURE.
4. REMOVE SHOWER HEAD, CONTROLS AND VALVE. PREPARE ROUGH-IN FOR NEW SHOWER HEAD AND VALVE.
5. REMOVE TUB, SHOWER HEAD, CONTROLS, RELATED PIPING, VALVE AND ASSOCIATED TRIM. PREPARE ROUGH-IN FOR NEW SHOWER HEAD AND VALVE. COORDINATE WITH OWNER FOR ACCESS AND GENERAL CONTRACTOR FOR CUTTING AND PATCHING REQUIREMENTS OF ENTRY TO CEILINGS BELOW FIXTURE.
6. REMOVE DRAIN. PREPARE ROUGH-IN FOR NEW SHOWER DRAIN. RELOCATE DRAIN AS REQUIRED. COORDINATE WITH OWNER FOR ACCESS AND GENERAL CONTRACTOR FOR CUTTING AND PATCHING REQUIREMENTS OF ENTRY TO CEILINGS BELOW FIXTURE.
7. REMOVE (2) THERMOSTATIC RADIATOR VALVES.

1 SECOND FLOOR PLAN - DEMOLITION

SCALE: 0 2' 4' 8'

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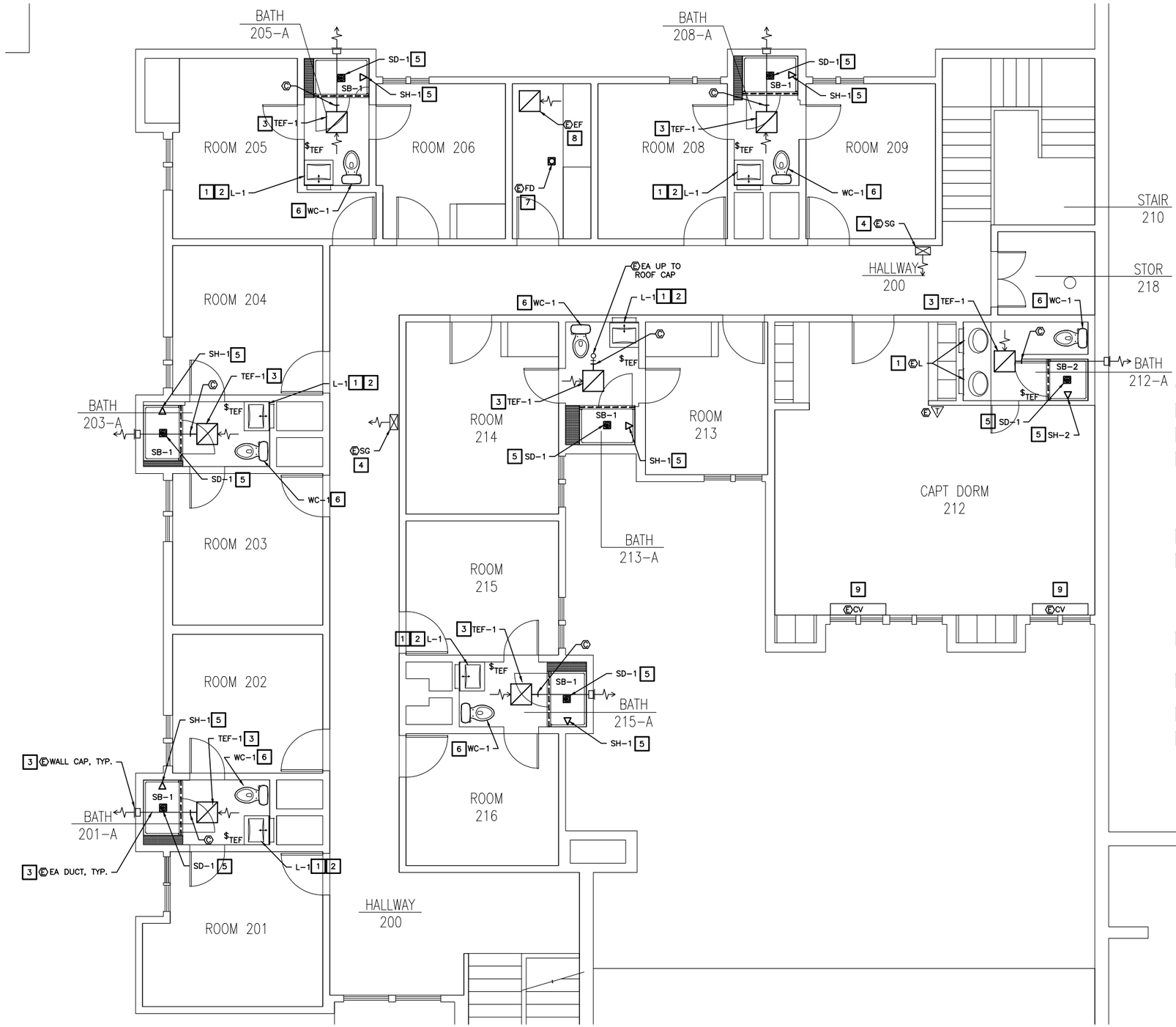
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SHEET TITLE:
SECOND FLOOR - DEMO

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SHEET #
M100



CONSTRUCTION NOTES:

1. PROVIDE NEW PIPING, STOP VALVE, AND FAUCETS. CONNECT TO EXISTING ROUGH-IN.
2. INSTALL NEW LAVATORY. CONNECT TO EXISTING ROUGH-IN.
3. INSTALL NEW EXHAUST FAN, AND CONTROLS. MODIFY ABOVE CEILING DUCTWORK AND REUSE EXISTING PENETRATION WHERE POSSIBLE. CONNECT TO TWO-SPEED SWITCH. CLEAN EXISTING EXHAUST DUCTWORK AND WALL/ROOF CAP TO EXTERIOR PENETRATION. SEAL DUCTWORK CONNECTION AIRTIGHT. TWO SPEED SWITCH IEW.
4. CLEAN SUPPLY AIR DUCTWORK AND GRILLE 12-INCHES FROM FACE.
5. INSTALL NEW PIPING, SHOWER HEAD, SHOWER DRAIN, CONTROLS AND MIXING VALVE. CONNECT TO EXISTING ROUGH-IN. MODIFY/EXTEND WASTE PIPING IN CEILING BELOW AS REQUIRED FOR NEW DRAIN LOCATION. INSTALL VENTED TRAP, CONNECT TO EXISTING VENT PIPING. INSTALL SHOWER HEAD WITH SUPPLY LINE 6'-6" AFF.
6. INSTALL NEW WATER CLOSET, WAX SEAL, FASTENERS, AND TRIM. CONNECT TO EXISTING ROUGH-IN, PROVIDE NEW FIXTURE STOP VALVE.
7. INSPECT EXISTING FLOOR DRAIN FOR LEAKAGE. NOTIFY OWNER. REPAIR OR REPLACE WITH SD-1 IF REQUIRED.
8. TEST AND MEASURE AIR VOLUME, RECORD IN REPORT.
9. REMOVE EXISTING RADIATOR VALVE AND INSTALL NON-ELECTRIC THERMOSTATIC RADIATOR VALVE WITH REMOTE ROOM TEMPERATURE SENSOR. LOCATE ADJUSTABLE ROOM TEMPERATURE SENSOR ON WALL MINIMUM 3'-0" FROM NEAREST WINDOW AND CONVECTOR. PROVIDE PIPE TRANSITIONS TO VALVE AS REQUIRED. VERIFY ONSITE CONFIGURATION AND REQUIREMENTS.

1 SECOND FLOOR PLAN - NEW CONSTRUCTION

SCALE: 0 2' 4' 8'

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SHEET TITLE: SECOND FLOOR - NEW CONSTRUCTION

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