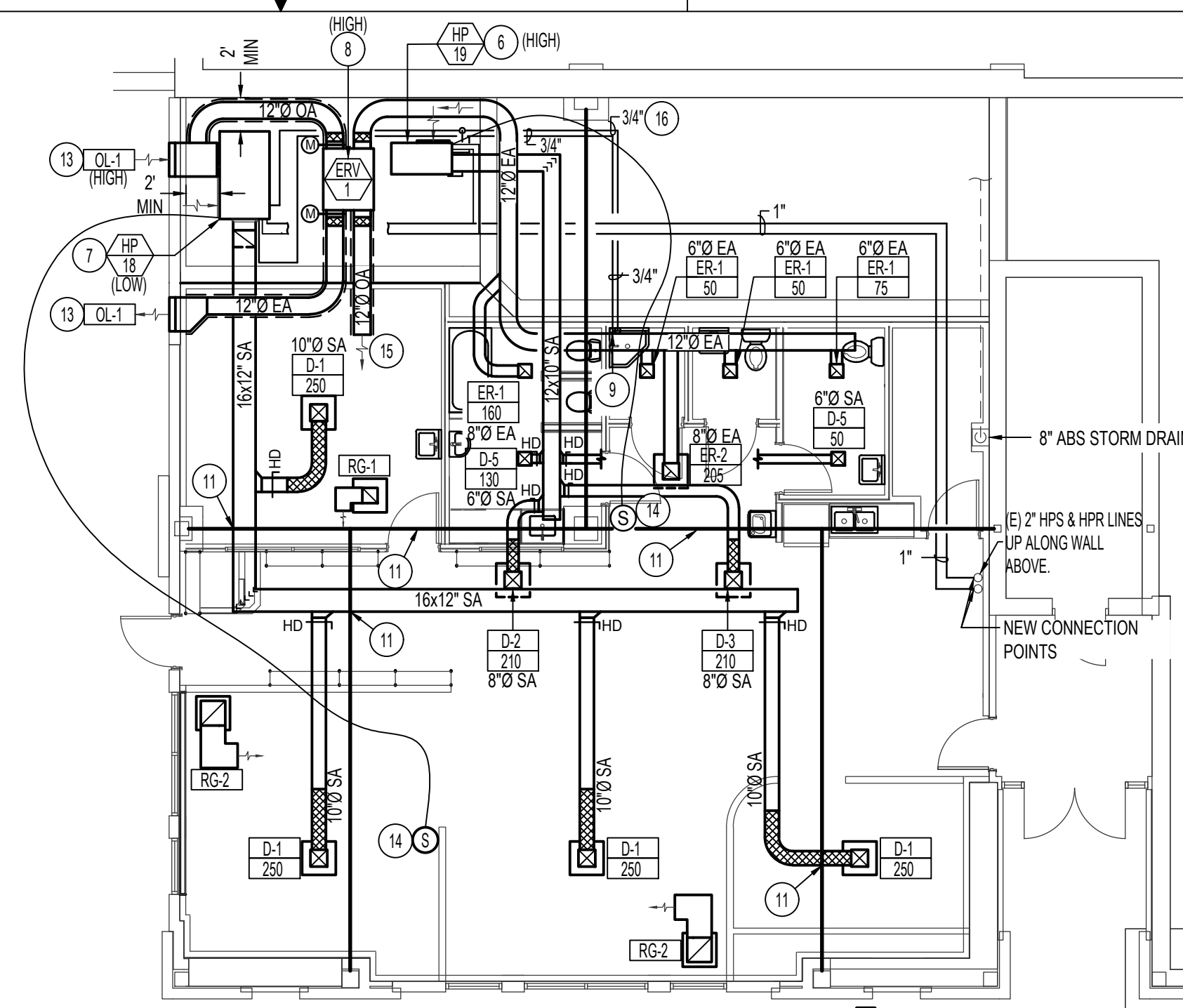


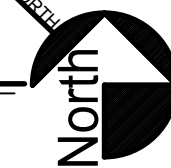
**B3 MECHANICAL DEMO FLOOR PLAN**

SCALE: 1/8" = 1'-0"



**B3 MECHANICAL FLOOR PLAN**

SCALE: 1/8" = 1'-0"



**PLAN NOTES:**

- 1 EXISTING HEAT PUMP TO BE REMOVED. REMOVE AND DISPOSE OF ALL CONTROLS, BRANCH PIPING, CONDENSATE DRAIN, AND SUPPORTS.
- 2 EXISTING WASTE & VENT TO BE REMOVED AND DISPOSED OF. CAP AND ABANDON WASTE & VENT BELOW GRADE & IN CEILING SPACE RESPECTIVELY.
- 3 REMOVE EXISTING FIRE SPRINKLER HEADS AND INSTALL NEW CEILING MOUNT HEADS AS REQUIRED BY NFPA 13 REQUIREMENT FOR REMODELED AREA.
- 4 RUN NEW 1" CW FROM NEAREST EXISTING 2" CW IN CEILING SPACE ON LEVEL B1. DROP EXPOSED IN JANITOR ROOM "EVS-B23" AND ON LEVEL B2 ABOVE. KEEP FLUSH TO EXISTING STAIRWAY WALL. BALL VALVE TO BE INSTALLED IN ACCESSIBLE LOCATION. INSTALL 6x6" ACCESS BOX WHERE REQUIRED. ANY CONCEALED VALVES SHALL BE TAGGED FOR SERVICE.
- 5 HOT WATER RECIRCULATION LINE TO BE WITHIN 2 FEET AWAY FROM FIXTURES. DROP DOWN IN WALL TO SATISFY REQUIREMENT. ROUTES AS SHOWN ON PLANS FOR CLARITY.
- 6 INSTALL NEW 5/8" HOT WATER SUPPLY AND RETURN PIPING TO NEW HEAT PUMP. REFER TO DETAIL AMP200 FOR TYPICAL PIPING CONNECTIONS WITH VALVES AND FITTINGS. SEE MANUFACTURER FOR RECOMMENDED INSTALL DETAILS.
- 7 INSTALL NEW 1" HOT WATER SUPPLY AND RETURN PIPING FROM NEAREST EXISTING TO NEW HEAT PUMP. REFER TO DETAIL AMP200 FOR TYPICAL PIPING CONNECTIONS WITH VALVES AND FITTINGS. SEE MANUFACTURER FOR RECOMMENDED INSTALL DETAILS.
- 8 INSTALL NEW ERV AS HIGH AS POSSIBLE AND IN CRAWL SPACE AND AS PER MANUFACTURE INSTRUCTION. ERV SHALL BE TAGGED FOR SERVICE. TEMPERED OUTSIDE AIR AND TEMPERED EXHAUST AIR DUCTWORK SHALL BE INSULATED FOR SOUND CONTROL. OUTSIDE AIR DUCTWORK WITH UNCONDITIONED AIR TO BE INSULATED WITH SEALED VAPOR BARRIER ON BOTH INSIDE AND OUTSIDE OF THE INSULATION.
- 9 DROP NEW 3/4" CONDENSATE DRAIN TO JANITOR SINK BELOW. SEE DETAIL AMP201.
- 10 COORDINATE WITH GENERAL CONTRACTOR FOR THE REQUIRED SAW CUTTING. REMOVE AND CAP, AND ABANDON ALL UNUSED WASTE BELOW GRADE. TIE NEW 4" WASTE TO NEARBY EXISTING & ROUTE NEW WASTE LINE AS NEEDED FOR NEW FIXTURE LAYOUT. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING AFTER THE WORK IS COMPLETE. CONTRACTOR TO SCOPE EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- 11 EXISTING STRUCTURAL BEAM LOCATION AND ROUTE. MAX OF 12" OF SPACE BETWEEN BEAM AND CEILING. MODIFY DUCTWORK AS REQUIRED TO MAINTAIN CLEARANCES.
- 12 EXISTING FIXTURE TO BE REMOVED AND DISPOSED OF. CAP AND ABANDON WASTE LINE BELOW SLAB. COORDINATE WITH THE GENERAL CONTRACTOR FOR THE REQUIRED PATCHING AFTER THE WORK IS COMPLETE.
- 13 PROVIDE AND INSTALL NEW PENETRATION WITH LINTEL AND LOUVER THROUGH BRICK WALL. LOUVER TO BE MIN 6" AWAY FROM SLOPED DIRT. SEE DETAIL CMP201.
- 14 NEW SENSOR FOR HEAT PUMP. TIE INTO EXISTING BMS.
- 15 LEAVE DUCT OPEN TO RETURN AIR PLENUM.
- 16 DRAIN PAN LINE TO BE RUN SEPARATE FROM HEAT PUMP CONDENSATE DRAIN.

**GENERAL NOTES:**

- A THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.

**PLUMBING LEGEND**

| SYMBOL | DESCRIPTION                |
|--------|----------------------------|
| V      | VENT                       |
| VTR    | VENT THRU ROOF             |
| CO     | CLEANOUT                   |
| WCO    | WALL CLEANOUT              |
| COTG   | CLEANOUT TO GRADE          |
| —      | PIPE DROP                  |
| —      | PIPE RISE                  |
| —      | BALL TYPE ISOLATION VALVE  |
| ---    | SOIL OR WASTE PIPING       |
| ---    | VENT LINE PIPING           |
| ---    | DOMESTIC COLD WATER PIPING |
| ---    | DOMESTIC HOT WATER PIPING  |
| ---    | HOT WATER RECIRC. PIPING   |
| G      | GAS PIPING                 |
| CD     | CONDENSATE DRAIN PIPING    |
| RDL    | ROOF DRAIN PIPING          |
| RDO    | ROOF OVERFLOW DRAIN PIPING |

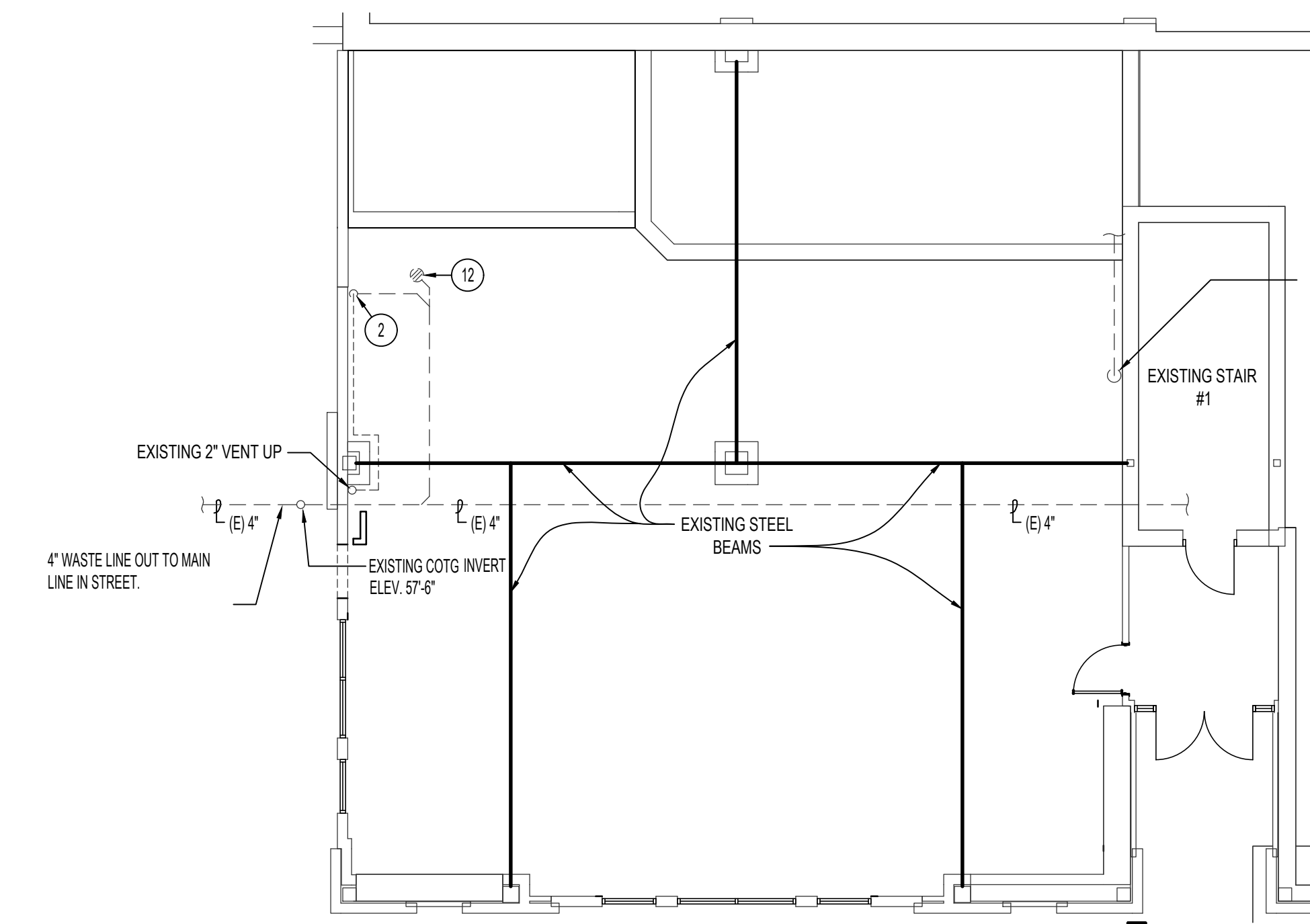
**MECHANICAL LEGEND**

| SYMBOL | DESCRIPTION                        |
|--------|------------------------------------|
| T      | ELECTRONIC THERMOSTAT              |
| FC     | EQUIPMENT SYMBOL                   |
| HD     | HAND DAMPER                        |
| —      | ROUND BRANCH DUCT WITH HAND DAMPER |
| —      | INSULATED FLEXIBLE DUCT            |
| —      | RETURN AIR OR EXHAUST GRILLE       |
| —      | CEILING DIFFUSER                   |
| —      | ROOF MOUNTED UPBLAST EXHAUST FAN   |
| —      | MOTORIZED DAMPER                   |

**MECHANICAL & PLUMBING PLAN**

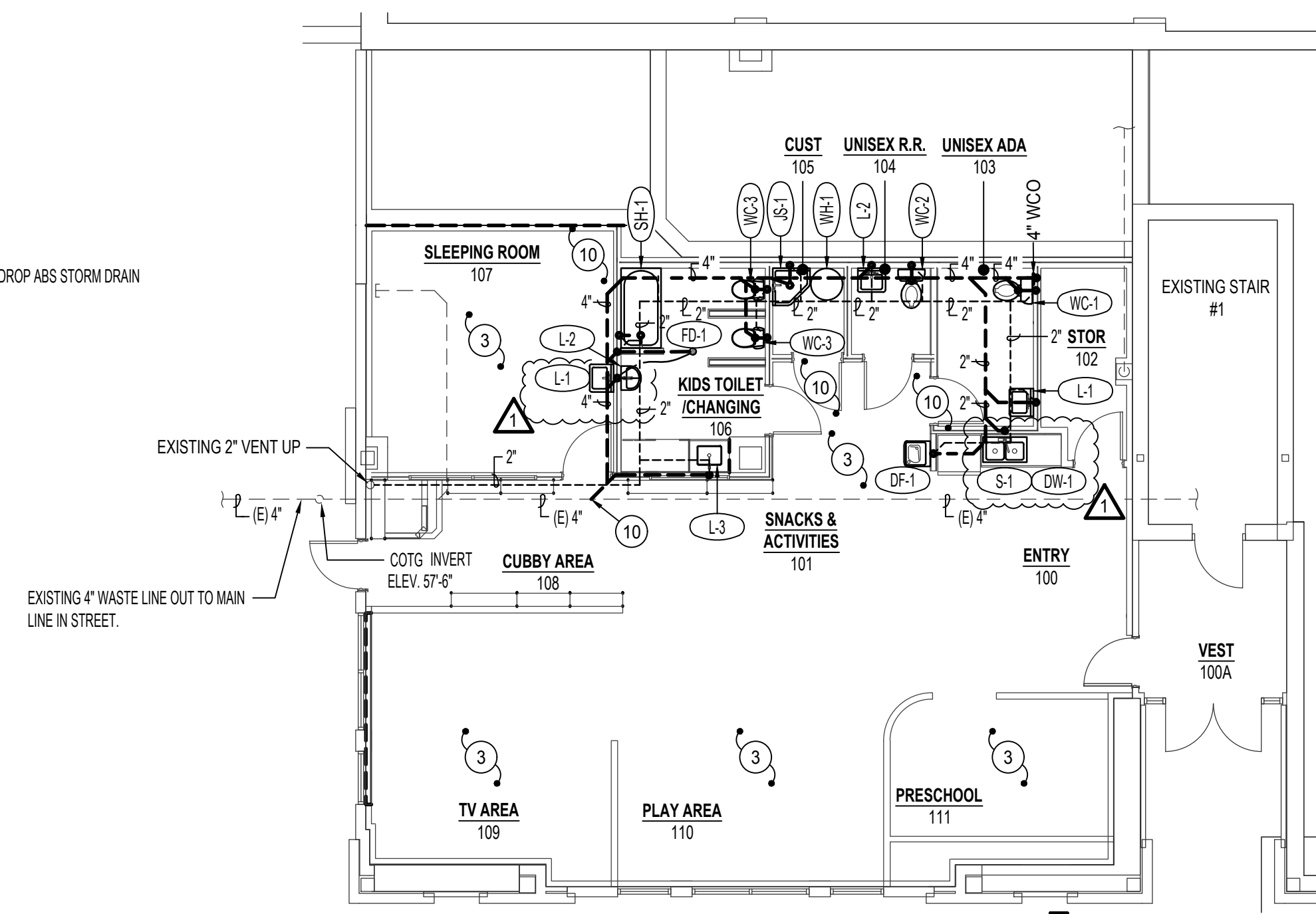
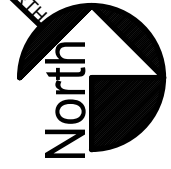
CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN OR IMPLIED  
DRAWING SCALE APPLIES TO 22" X 34" SHEET SIZE

REVISION DATE  
PERMIT SET 09.11.2022  
DISHWASHER 02.08.2023  
DRAWN BY: TD  
CHECKED BY: DS  
JOB NUMBER: 20536-22A  
PROJECT DATE: 09/23/2022  
SHEET **MP100**



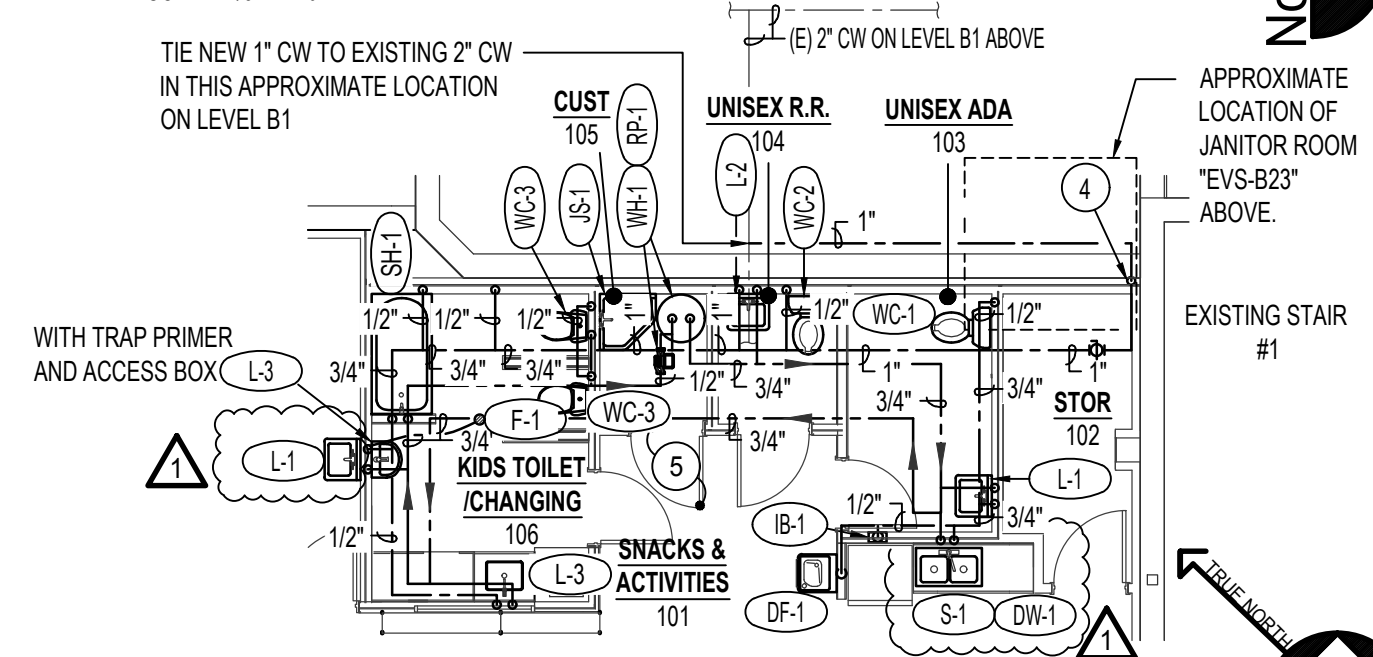
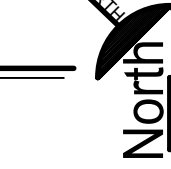
**B3 PLUMBING DEMO FLOOR PLAN**

SCALE: 1/8" = 1'-0"



**B3 WASTE & VENT FLOOR PLAN**

SCALE: 1/8" = 1'-0"



**B3 WATER FLOOR PLAN**

SCALE: 1/8" = 1'-0"



**GATEWAY TRANSITIONAL DAY CARE REMODEL**

**POCATELLO, IDAHO**

PROJECT:

SHEET TITLE:

PROFESSIONAL ENGINEER  
LICENSED  
Jan 2014  
STATE OF IDAHO  
TRAINER C. DAVIS  
Feb 04, 2023

**Engineered Systems Associates**  
1355 EAST CENTER  
POCATELLO, IDAHO 83201  
PHONE: (208) 233-0501  
FAX: (208) 233-0529  
EMAIL: esa@engsystems.com  
ESA JOB NUMBER: 22140

**Myers Anderson**  
Architecture  
Interior Design  
Historic Preservation

122 South Main Street • Pocatello, Idaho 83204 • Tel. (208) 232-3741 • Fax (208) 232-3782  
927 Main Street, Suite 300 • Evanston, Wyoming 82930 • Tel. (307) 789-0934

NCAAB ASID AIA