

**PLUMBING FIXTURE SCHEDULE**

Item	Type	Connection Sizes					Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Accessories	
		HW	CW	TW	Drain	Vent						
WC-1	BARRIER FREE WATER CLOSET FLUSH VALVE, 16" HIGH, HANDS FREE (BATTERY)				3	1 1/2	AMERICAN STANDARD MADERA 3043.001 KOHLER HIGHCREST K-4302 MANSFIELD ADRIATIC 1319 ZURN ECO VANTAGE Z5665-BWL	BARRIER FREE, 16" TALL TO RIM, VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.5 gal) PER FLUSH.	DELTA 81201-6-WMSWA ZURN SLOAN	EXPOSED, POLISHED CHROME PLATED, DIAPHRAGM TYPE FLUSH VALVE WITH 25MM (1") SCREWDRIVER ANGLE STOP, MOTORIZED ACTUATOR, AUTOMATIC SENSOR WITH MANUAL PUSH BUTTON OVERRIDE, VACUUM BREAKER ADJUSTABLE TAIL PIECE, AUTOMATIC 8 HR COURTESY FLUSH, RECESSED WALL MOUNTED SENSOR BOX, FLUSH CONNECTION & COUPLING FOR 40MM (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, HARDWIRED OPERATED POWER CONVERTOR, SENSOR BOX C/W COVER, VANDAL RESISTANT SCREWS, FLUSH CYCLE SET FOR 6.0 LITRES (1.6 GAL) PER FLUSH.	SEAT: BEMIS 7850TDG CENTOCO SEAT: BEMIS 2155CT CENTOCO	SEAT: WHITE, ELONGATED, OPEN FRONT WITH COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
WC-2	WATER CLOSET FLUSH VALVE HANDS FREE (BATTERY)	1			3	1 1/2	AMERICAN STANDARD MADERA 2234.001 KOHLER WELLCOME K-4350 MANSFIELD BALTIC 1311NS ZURN Z5655-BWL	VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 10" OR 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.	DELTA 81201-6-WMSWA ZURN SLOAN	EXPOSED, POLISHED CHROME PLATED, DIAPHRAGM TYPE FLUSH VALVE WITH 25MM (1") SCREWDRIVER ANGLE STOP, MOTORIZED ACTUATOR, AUTOMATIC SENSOR WITH MANUAL PUSH BUTTON OVERRIDE, VACUUM BREAKER ADJUSTABLE TAIL PIECE, AUTOMATIC 8 HR COURTESY FLUSH, FLUSH VALVE MOUNTED SENSOR, FLUSH CONNECTION & COUPLING FOR 40MM (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, BATTERY OPERATED C/W 4 "C" CELL BATTERIES, SENSOR BOX C/W COVER, VANDAL RESISTANT SCREWS, FLUSH CYCLE SET FOR 6.0 LITRES (1.6 GAL) PER FLUSH.	SEAT: BEMIS 7850TDG CENTOCO SEAT: BEMIS 2155CT CENTOCO	SEAT: WHITE, ELONGATED, OPEN FRONT, LESS COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST.
L-1	BARRIER FREE WALL HUNG LAV HANDS FREE FAUCET (BATTERY)	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD MURRO 0955-001EC KOHLER BRENHAM K-1997 ZURN Z5344	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP, SINGLE CENTER SUPPLY OPENING, OVERFLOW. SIZE: 559 mm x 540 mm (22 x 21 1/4"). C/W SHROUD/KNEE CONTACT GUARD	DELTA 591T1256 MOEN COMMERCIAL ZURN	BATTERY ELECTRONIC PROXIMITY SENSING FAUCET. CAST BRASS ONE PIECE BODY, ADJUSTABLE SENSING RANGE AND TIME OUT, CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 0.5gpm (1.9 l/min) @ 413 kPa (60 psi) MAX. UNDER COUNTER PLASTIC SURFACE MOUNTED HOUSING WITH FLUSH STAINLESS STEEL COVER FOR SOLENOID AND CONTROLLER. SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY. USES FOUR "AA" CELL BATTERIES.		WASTE FITTING: NPS 32 MM (1 1/4") OFFSET WASTE WITH OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER PROVIDE SHROUD/KNEE CONTACT GUARD THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
L-2	WALL HUNG LAV HANDS FREE FAUCET (BATTERY)	1/2	1/2		1 1/4	1 1/4	AMERICAN STANDARD LUCERNE 355.012 KOHLER BRENHAM K-1997 ZURN Z5344	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 557 MM X 502 MM (21 15/16" X 19 3/4").	DELTA 591T1256 MOEN COMMERCIAL ZURN	BATTERY ELECTRONIC PROXIMITY SENSING FAUCET. CAST BRASS ONE PIECE BODY, ADJUSTABLE SENSING RANGE AND TIME OUT, CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 0.5gpm (1.9 l/min) @ 413 kPa (60 psi) MAX. UNDER COUNTER PLASTIC SURFACE MOUNTED HOUSING WITH FLUSH STAINLESS STEEL COVER FOR SOLENOID AND CONTROLLER. SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY. USES FOUR "AA" CELL BATTERIES.		WASTE FITTING: OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
DS-1	BARRIER FREE STAINLESS STEEL DOUBLE SINK	1/2	1/2		1 1/2	1 1/4	KINDRED ALB6405-1/3 NOVANNI 20071	DOUBLE COMPARTMENT, LEDGE-BACK. FROM 1.0 MM (20 GAUGE) THICK TYPE 302 POLISHED STAINLESS STEEL. SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 794MM X 521MM X 127MM (31 1/4" X 20 1/2" X 5").	DELTA 100 ZURN Z82300-CP8 MOEN COMMERCIAL 8701	CHROME PLATED BRASS, WITH SWING SPOUT, AERATOR, SINGLE LEVER HANDLE, WASHLESS AERATOR HAVING INTEGRAL FLOW CONTROL FOR 0.5gpm (1.9 l/min) @ 413 kPa (60 psi).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
FD-1	FLOOR DRAIN			NOTED	1	1/2	ZURN ZM415B WIFAB F1100-C CONTOUR C2000-R6 WATTS FD-100-C-A	GENERAL DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE. C/W TRAP PRIMER				

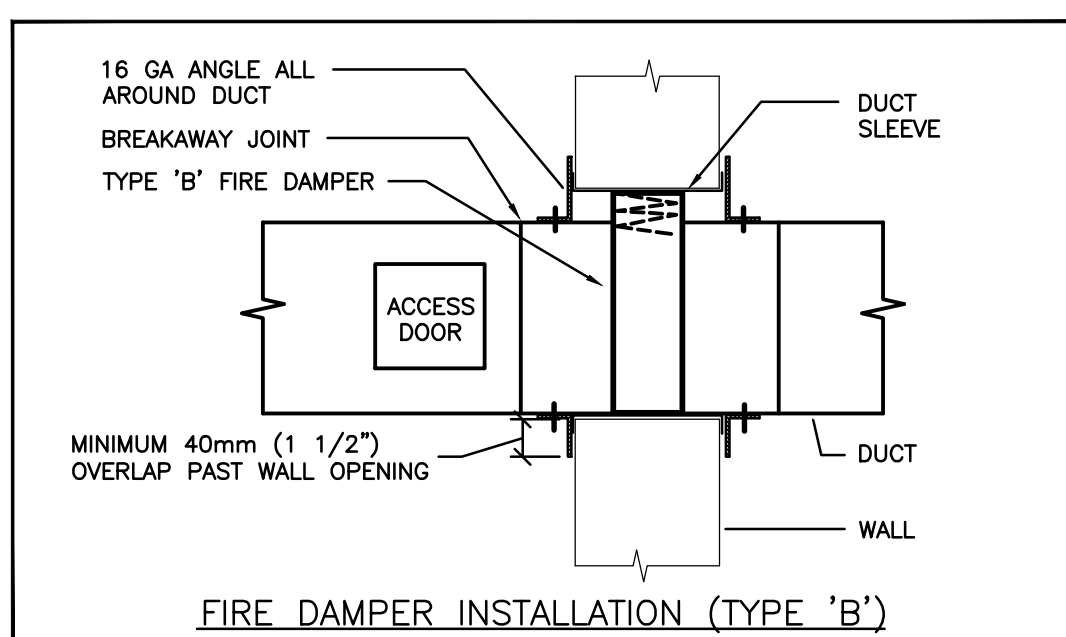
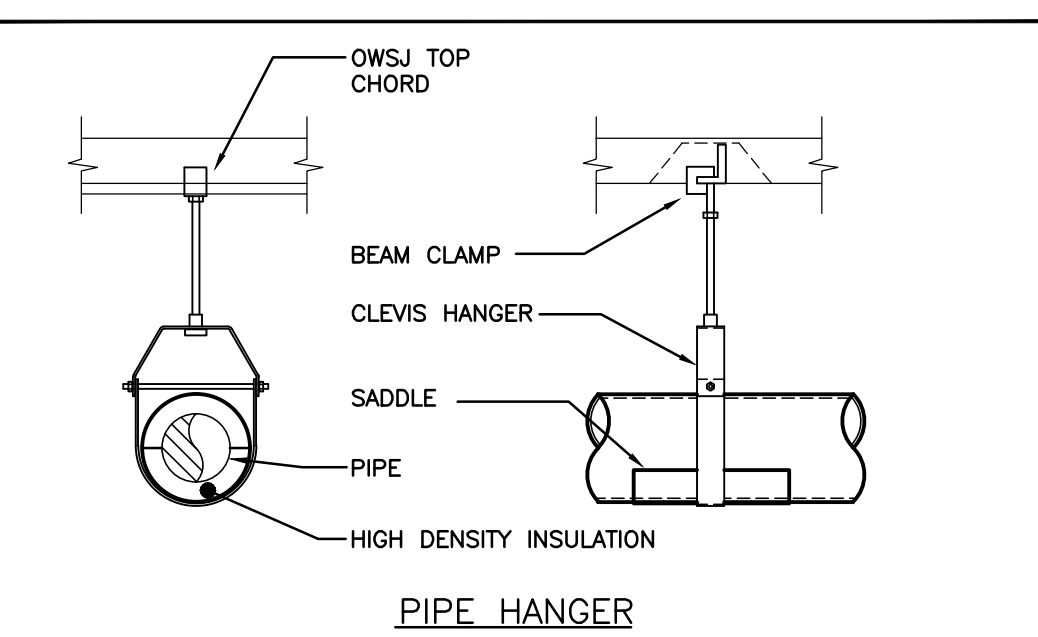
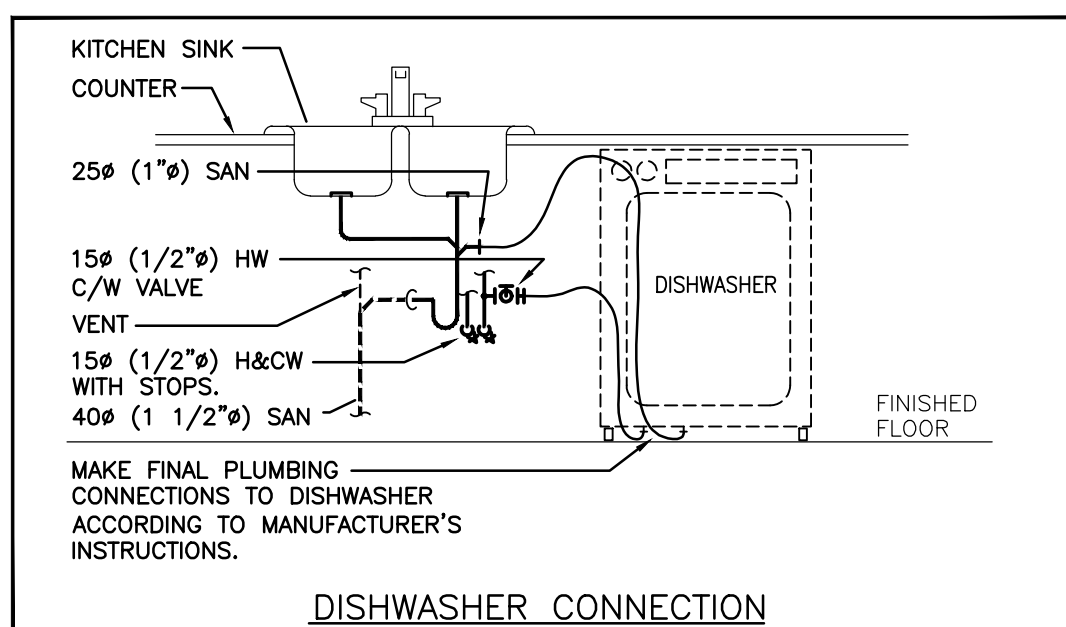
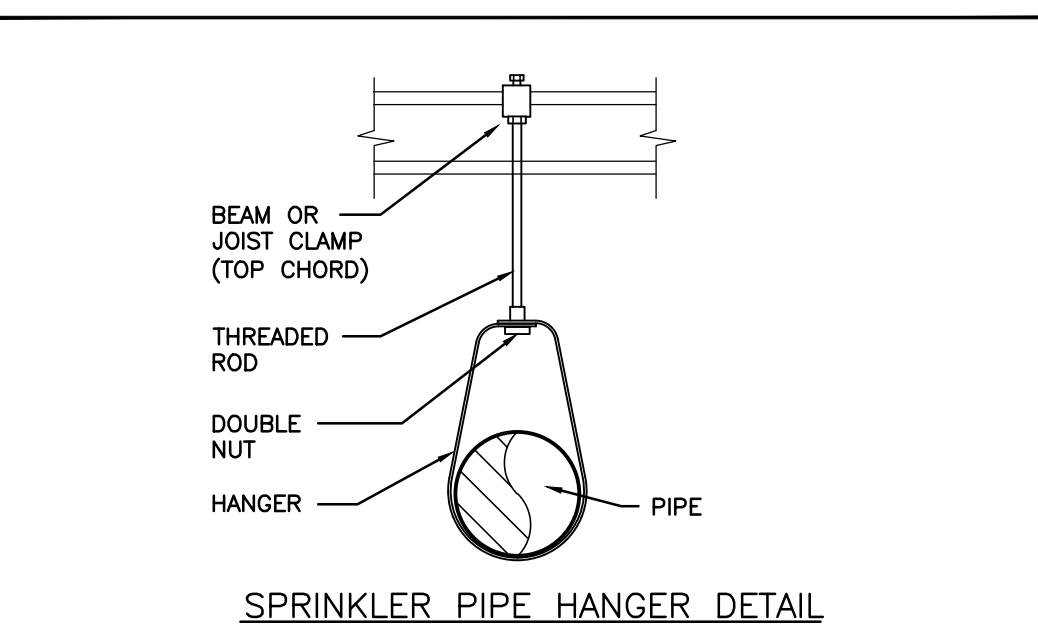
**GRILLE SCHEDULE**

Item	Type	Equalizing Grid	Volume Damper	Acceptable Manufacturer	Description
D1	SQUARE CEILING DIFFUSER	NO	NONE	EH PRICE SCDA	MULTICONE, FULLY ADJUSTABLE, 24x24, STEEL CEILING DIFFUSER W/ROUND NECK. SUITABLE FOR LAY-IN T-BAR CEILING, OR DRYWALL CEILING WHEN C/W FRAME.
R1	CEILING RETURN GRILLE (NON-DUCTED)	NO	NONE	EH PRICE 80-CH	1/2x1/2x1/2 ALUMINUM EGGRATE CORE, C/W CHANNEL BORDER FOR LAY-IN T-BAR CEILING.
E1	EXHAUST GRILLE (DUCTED)	NO	NONE	EH PRICE 80-FA	1/2x1/2x1/2 ALUMINUM EGGRATE CORE, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.

GENERAL DIFFUSER/GRILLE NOTES:  
 1. ACCEPTABLE MANUFACTURERS: EH PRICE, NAILOR, TITUS, KRUEGER, CARNES, METALAIR, TUTTLE & BAILY  
 2. GRILLE COLOURS ARE SELECTED BY ARCHITECT FROM STANDARD COLOUR CHART, UNLESS OTHERWISE NOTED.  
 3. PAINT INTERIOR OF DUCTWORK BEHIND GRILLE MATT BLACK (WHERE VISIBLE THRU GRILLE).

**DOMESTIC HW STORAGE TANK SCHEDULE**

Item	Type	CAPACITY (l)	Description	Manufacturer & Model	Remarks
DST-1 THRU 4	DOMESTIC HW STORAGE TANK	200 (757)	VERTICAL TANK GLASS LINED OR STAINLESS STEEL	LOCHINVAR RJ4200 RHEEM ST200A AERCO 215 STAINLESS	NEW STORAGE TANKS ARE TO BE MAX 35" dia, OR MAX 35" IN ONE DIRECTION IF SQUARE. TANKS CAN BE GLASS LINED OR STAINLESS STEEL. TANKS TO BE SUITABLE FOR DOMESTIC WATER USE.



**GENERAL NOTES**

- ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.
- SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MIN 14"-0" FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- CONTRACTOR TO LOCATE ISOLATION VALVES / FREEZE PIPING / OR OTHERWISE DRAIN SYSTEMS TO ALLOW PROPOSED WORK TO PROCEED. REFILL SYSTEMS AS INDICATED.
- UPON COMPLETION OF THE PROJECT OR THE CONTRACTORS SHALL PROVIDE THE FOLLOWING CERTIFICATES BEFORE CONFORMANCE LETTERS ARE ISSUED BY THE CONSULTANT:
  - POTABLE WATER TEST (SEE SPEC 22 11 16 PART 3)
  - NFPA-13 SPRINKLER CONTRACTOR'S MATERIAL & TEST CERTIFICATE
  - ALL CERTIFICATES ARE TO BE SUBMITTED TOGETHER IN A SINGLE PACKAGE.

**GENERAL SPRINKLER NOTES**

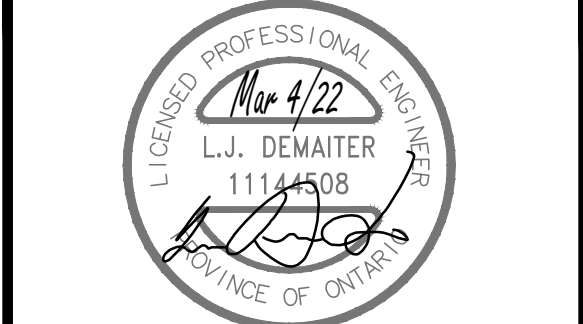
- SUBMIT PRELIMINARY DESIGN & HYDRAULIC CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER, AND MANUFACTURERS' PRODUCT SHEETS FOR SHOP DRAWING SUBMISSION AS SPECIFIED PRIOR TO COMMENCING WORK.
- ENSURE DESIGN MEETS OR EXCEEDS PRESENT NFPA 13 STANDARDS. ENSURE SPRINKLER SYSTEMS ARE INSTALLED TO NFPA 13 STANDARDS. UPON COMPLETION, SPRINKLER CONTRACTOR TO PROVIDE REPRODUCIBLE DRAWING (AT 1/8"=1'-0" SCALE) AND HYDRAULIC CALCULATIONS OF AS-BUILT CONDITION.
- SPRINKLER CONTRACTOR'S 'PROFESSIONAL ENGINEER' TO PROVIDE O.B.C. AND NFPA REQUIRED INSPECTION AND CERTIFICATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLAN.
- PROVIDE SPRINKLER HEAD TYPES AS FOLLOWS:
  - PROVIDE "TYPE 1" CONCEALED PENDENT HEADS IN CEILINGS OF UNSUPERVISED AREAS (CORRIDORS, WASHROOMS). COVER PLATE FINISH SELECTED BY CONSULTANT.
  - PROVIDE "TYPE 2" RECESSED HEADS IN ALL OTHER CEILING AREAS (CLASSROOMS, OFFICES, SEMINAR RMs, etc.). HEAD & ESCUTCHEON FINISH SELECTED BY CONSULTANT.
- SPRINKLER HEADS TO BE IN CENTRELINE OF CEILING TILE. MINIMUM 150mm (6") FROM EDGE.
- FINAL NUMBER AND LOCATION OF SPRINKLER HEADS TO BE DETERMINED BY CONTRACTOR'S HYDRAULIC CALCULATIONS AND APPROVED DRAWINGS.
- SPRINKLER PIPING TO BE COORDINATED WITH OTHER SERVICES PRIOR TO INSTALLATION.
- COORDINATE LOCATION OF INSPECTOR'S TEST CONNECTION WITH CONSULTANT PRIOR TO INSTALLATION.
- SPRINKLER CONTRACTOR TO VISIT SITE AND EVALUATE EXISTING CONDITIONS PRIOR TO TENDER CLOSING. INCLUDE ALL MODIFICATIONS IN TENDER PRICE.
- EXISTING SPRINKLER SYSTEM TO BE RENOVATED/MODIFIED TO SUIT NEW LAYOUT. CONTRACTOR IS RESPONSIBLE TO SURVEY EXISTING SYSTEMS FOR CREATION OF SHOP DWGS.

**MECHANICAL LEGEND**

Item	Description	Item	Description
---	ITEM TO BE REMOVED	TCV	2-WAY TEMPERATURE CONTROL VALVE
---	CUT EXISTING & CONNECT NEW PIPING	◆	PENDENT HEAD
→	FLOW DIRECTION	○	UPRIGHT PENDENT HEAD
---	POTABLE COLD WATER	◆	CONCEALED PENDENT HEAD
---	POTABLE HOT WATER	▷	SIDEWALL HEAD
---	POTABLE HOT WATER RECIRC.	■ FE	WALL MOUNTED FIRE EXTINGUISHER
---	EXISTING SAN ABOVE FLOOR	○ CO	FLOOR CLEANOUT
---	EXISTING SAN BELOW FLOOR	○ CO	LINE CLEANOUT
---	SANITARY ABOVE FLOOR	○	THERMOSTAT (WITH GUARD WHERE INDICATED)
---	SANITARY BELOW FLOOR	○	TEMPERATURE SENSOR (WITH GUARD WHERE INDICATED)
---STM-EX---	EXISTING STM ABOVE FLOOR	→→→	TURNING VANES
---STM-EX---	EXISTING STM BELOW FLOOR	→	SUPPLY AIR DUCT
SP	SPRINKLER	→	RETURN/EXHAUST AIR DUCT
HWS	HEATING WATER SUPPLY	---	ACOUSTIC DUCT LINING
---HWR---	HEATING WATER RETURN	---	THERMAL INSULATION
FD	FLOOR DRAIN	---	BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
---	TRAP PRIMER	---	TRUNK MAIN BRANCH COLLAR C/W BALANCING DAMPER
---	TEE CONNECTION	---	BD BALANCING DAMPER
---	PIPE DOWN	---	FD FIRE DAMPER
---	PIPE UP	---	COMBINATION FIRE/SMOKE DAMPER
---	FLEXIBLE CONNECTION	---	RECTANGULAR DUCTWORK
---	REDUCER/INCREASER	---	RIGID ROUND DUCT
---	CHECK VALVE	---	FLEXIBLE ROUND DUCT
---	UNION	---	DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
---	STRAINER	---	HYDRONIC HEATING SIZE, TYPE & CAPACITY
---	SCREWED OR WELDED PIPE CAP	---	AD ACCESS DOOR
---	BALL VALVE	---	EXP EXPANSION JOINT
---	VALVE ON RISER	---	RIC RETURN IN CABINET
---		---	EXISTING DUCT (SIZE AS INDICATED)

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets, fittings, and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2022 DEI & Associates Inc.

No.	REVISIONS	DATE



ISSUED FOR PERMIT/TENDER 2022.03.07  
 CHRONOLOGY DATE

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 101 Ronald Drive, Unit 8, Waterloo, ON, N2L 2T1 | www.abaarchitects.com

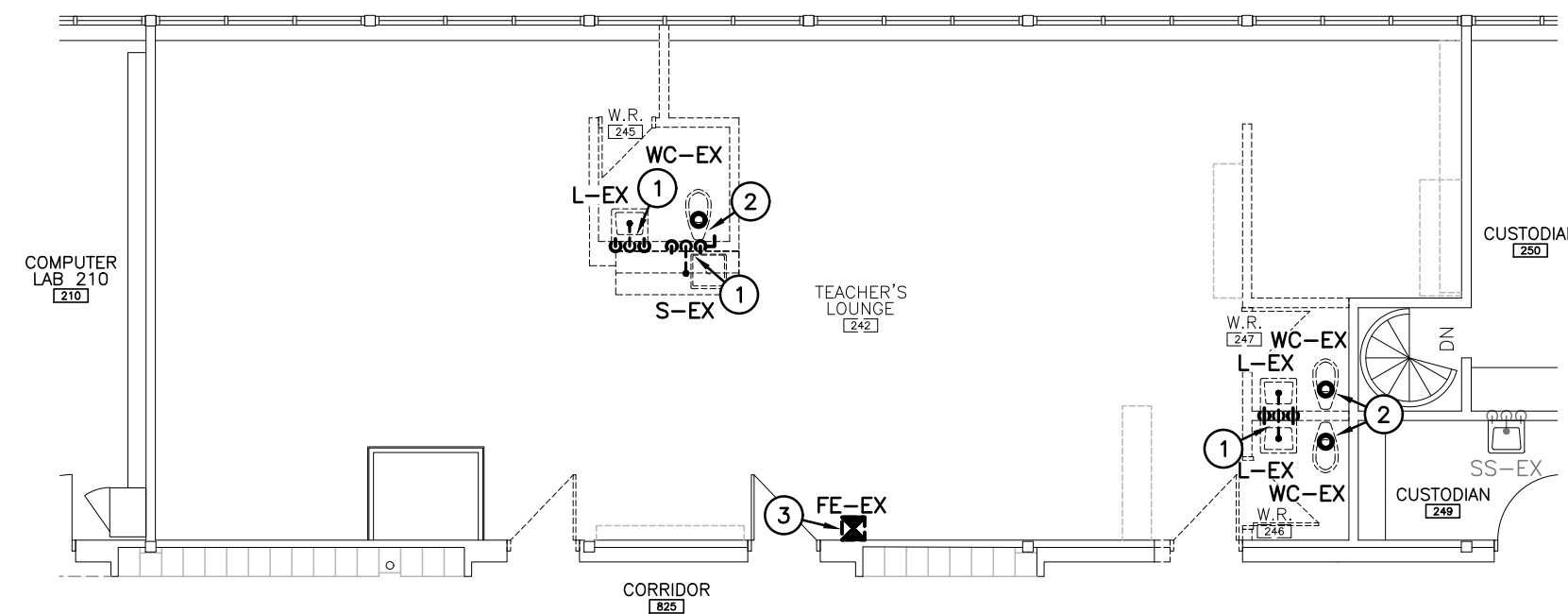
**INSTITUTE FOR EXCELLENCE**  
 International Building District Award Winner

**EASTWOOD COLLEGIATE INSTITUTE**  
 760 WEBER ST. E., KITCHENER, ON, N2H 1H6

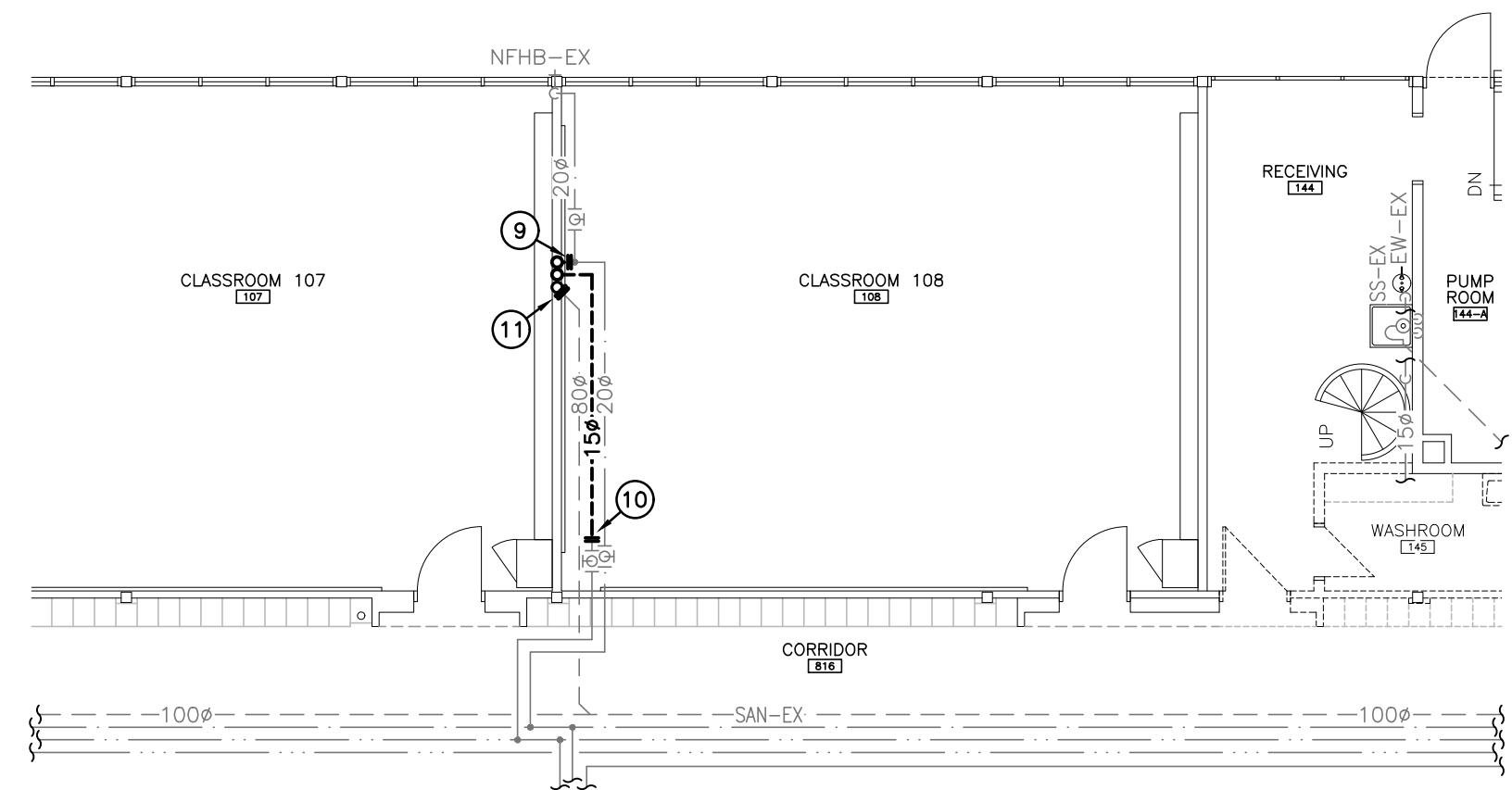
**MECHANICAL LEGEND, SCHEDULES, & DETAILS**

SCALE: AS NOTED  
 SHEET SIZE: 24x36  
 PROJECT NUMBER: 2020-163  
 DRAWING NUMBER: M1.1

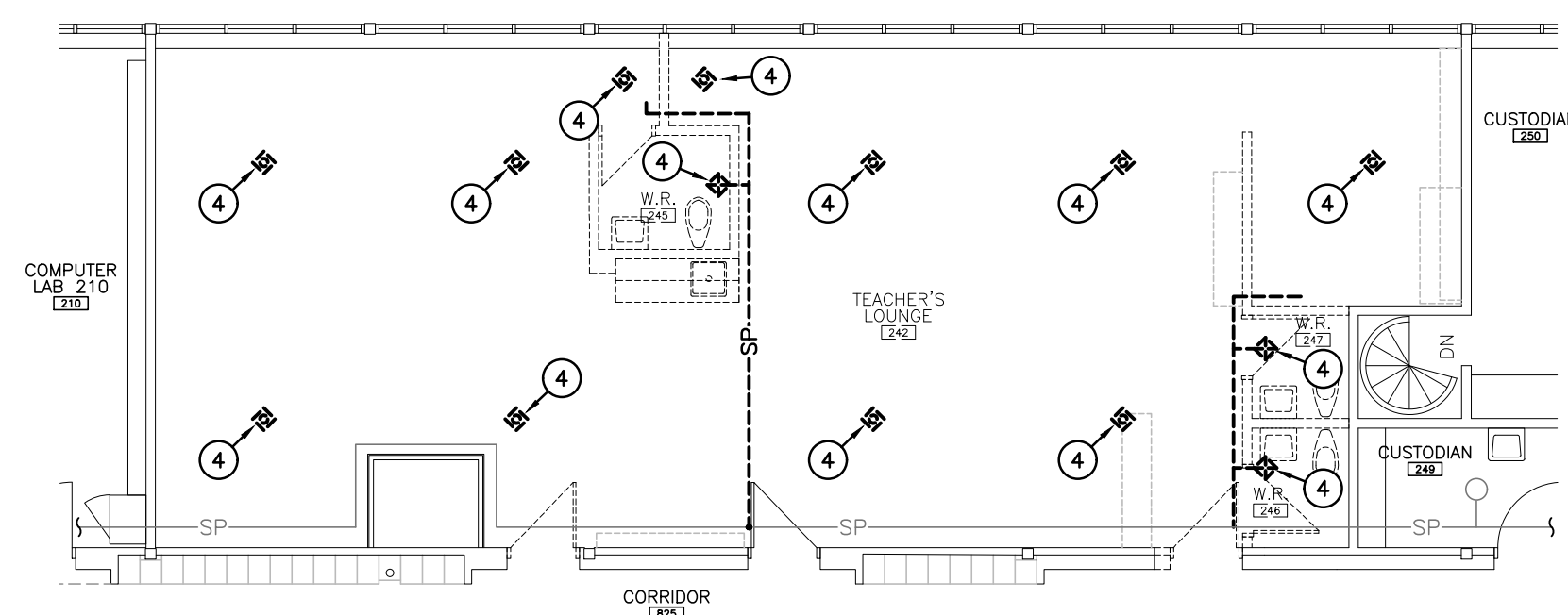
DEMOLITION PLANS (TEACHER'S LOUNGE)



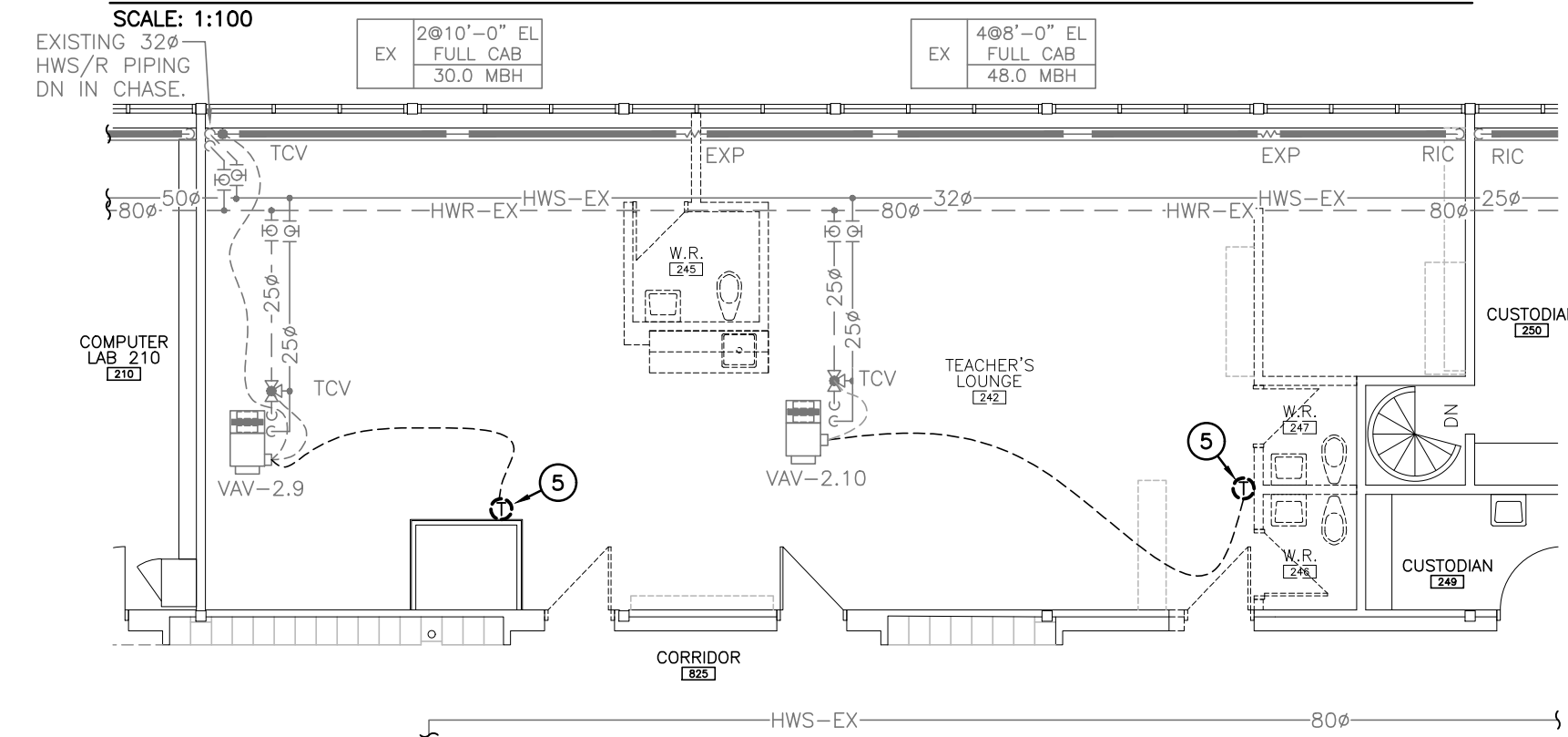
EXISTING LEVEL 2 TEACHERS LOUNGE PART FLOOR PLAN - PLUMBING & DRAINAGE  
SCALE: 1:100



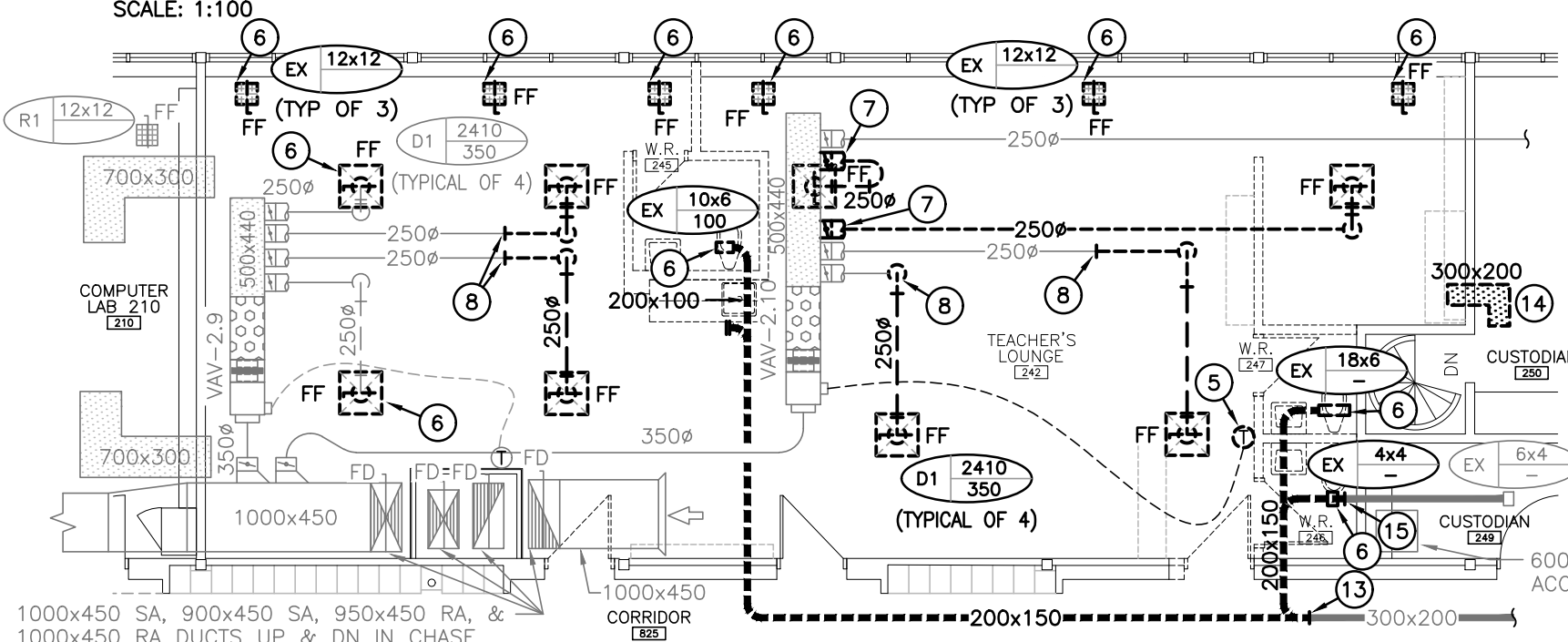
EXISTING LEVEL 1 ROOMS 107-108 PART FLOOR PLAN - PLUMBING & DRAINAGE  
SCALE: 1:100  
(PLUMBING & DRAINAGE SERVING FLOOR ABOVE)



EXISTING LEVEL 2 TEACHERS LOUNGE PART FLOOR PLAN - FIRE PROTECTION  
SCALE: 1:100



EXISTING LEVEL 2 TEACHERS LOUNGE PART FLOOR PLAN - HYDRONIC HEATING  
SCALE: 1:100



EXISTING LEVEL 2 TEACHERS LOUNGE PART FLOOR PLAN - VENTILATION  
SCALE: 1:100

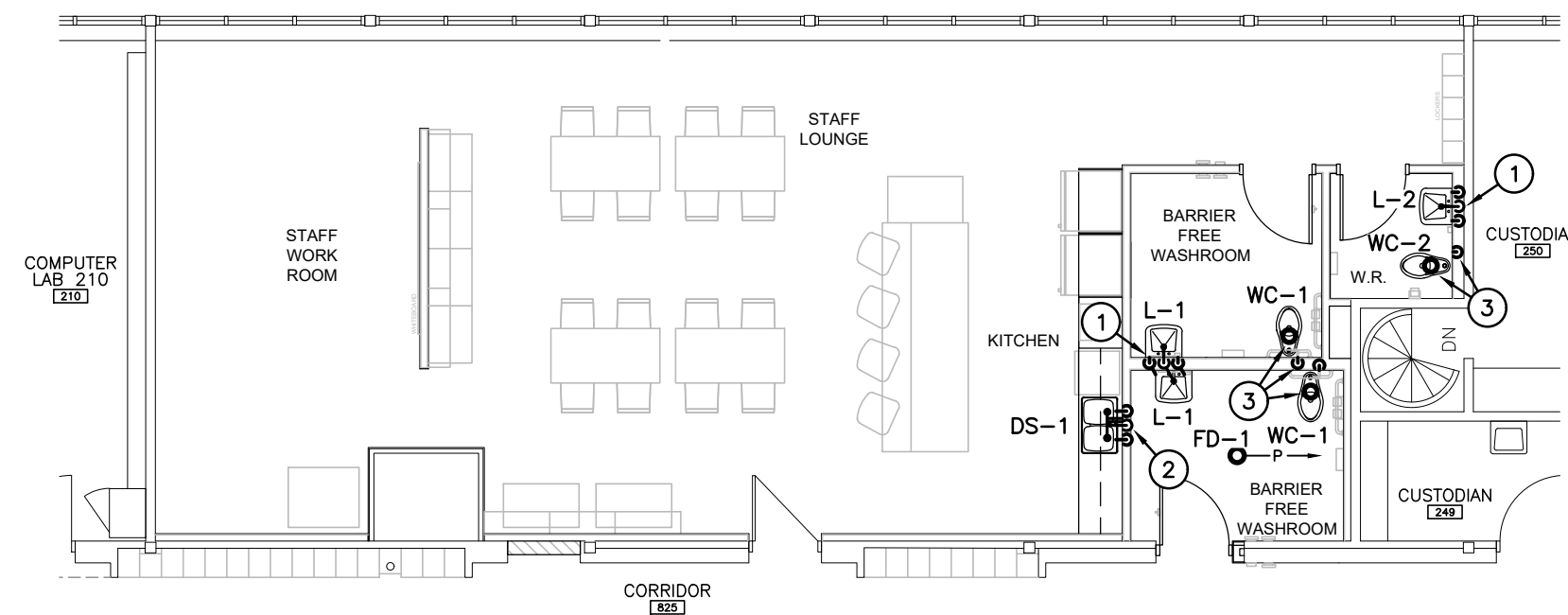
GENERAL DEMOLITION NOTES

- A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- D. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILING AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

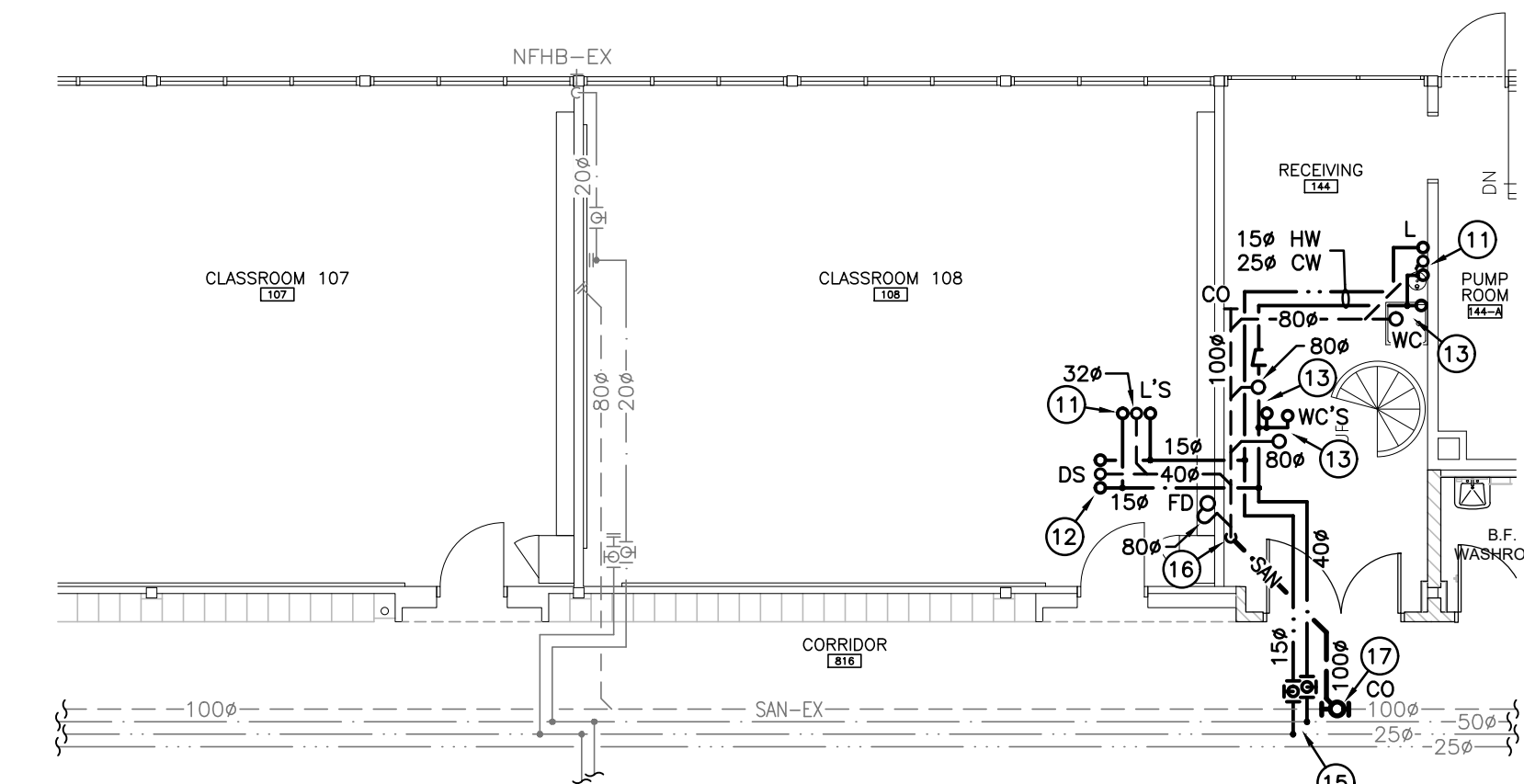
SPECIFIC DEMOLITION NOTES

1. EXISTING FIXTURE TO BE DISCONNECTED AND REMOVED COMPLETE. EXISTING SAN, H&CW PIPING TO BE REMOVED DN THRU FLOOR.
2. EXISTING FIXTURE TO BE DISCONNECTED AND REMOVED COMPLETE. EXISTING SAN & CW PIPING TO BE REMOVED DN THRU FLOOR.
3. EXISTING FIRE EXTINGUISHER TO BE RELOCATED.
4. EXISTING SPRINKLER HEAD & ASSOCIATED PIPING TO BE REMOVED, RELOCATED, AND REINSTALLED TO SUIT NEW LAYOUT. PROVIDE NEW HEADS.
5. EXISTING THERMOSTAT TO BE REMOVED.
6. EXISTING DIFFUSER/GRILLE TO BE REMOVED COMPLETE.
7. EXISTING SA DUCT AND ASSOCIATED DIFFUSER TO BE REMOVED COMPLETE. OPENING IN DUCT TO BE CAPPED AND SEALED AIR TIGHT.
8. EXISTING SA DUCT TO BE CUT AND REMOVED COMPLETE. ASSOCIATED DIFFUSER TO BE REMOVED.
9. EXISTING CW TO BE CUT, CAPPED, AND REMOVED BEYOND UP TO FLOOR ABOVE COMPLETE.
10. EXISTING HW TO BE CUT, CAPPED, AND REMOVED BEYOND UP TO FLOOR ABOVE COMPLETE.
11. EXISTING SAN TO BE CUT, CAPPED NEAR FLOOR IN WALL AND REMOVED UP TO FLOOR ABOVE COMPLETE.
12. EXISTING DUCTWORK AND ASSOCIATED GRILLE TO BE CUT AND REMOVED COMPLETE.
13. EXISTING EXH DUCT TO BE CUT AND REMOVED BEYOND AS INDICATED.
14. EXISTING TRANSFER DUCT TO BE REMOVED AND RELOCATED TO SUIT NEW LAYOUT.
15. EXISTING EXH DUCT TO BE CUT AND REMOVED BACK AS INDICATED.

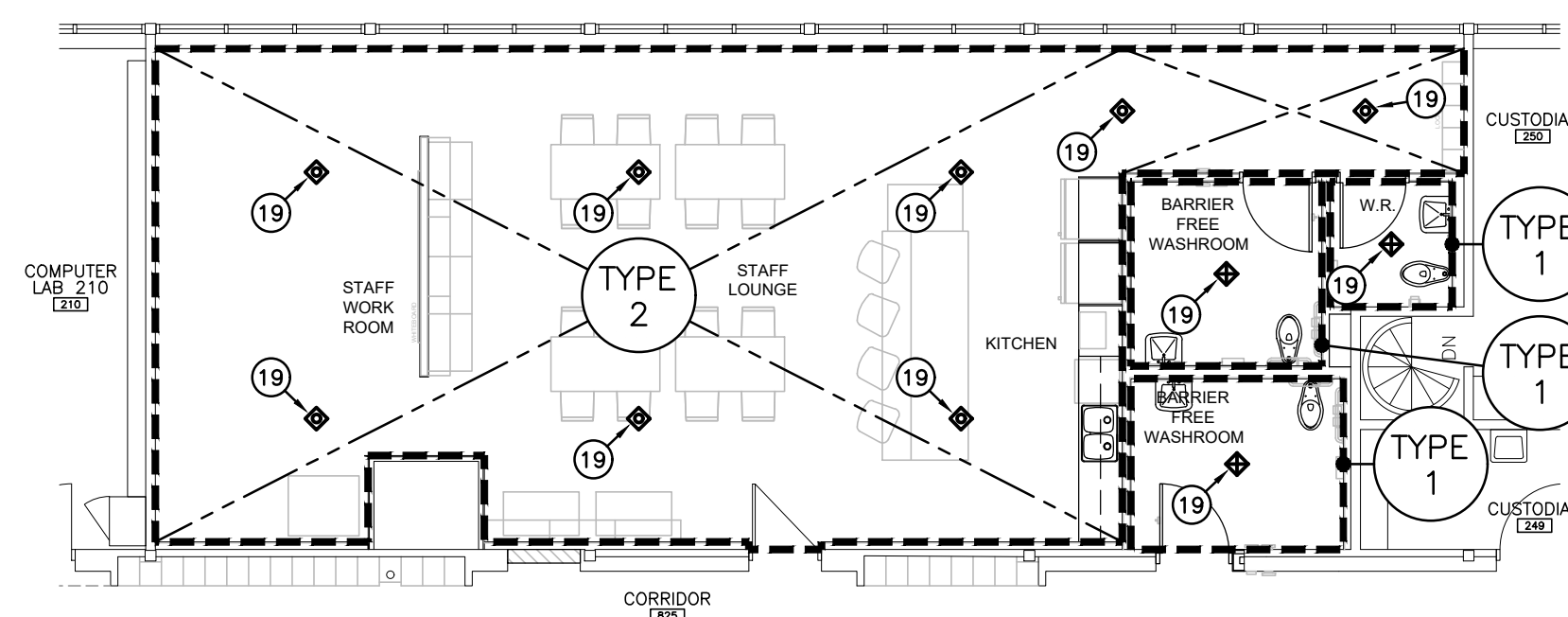
RENOVATION PLANS (TEACHER'S LOUNGE)



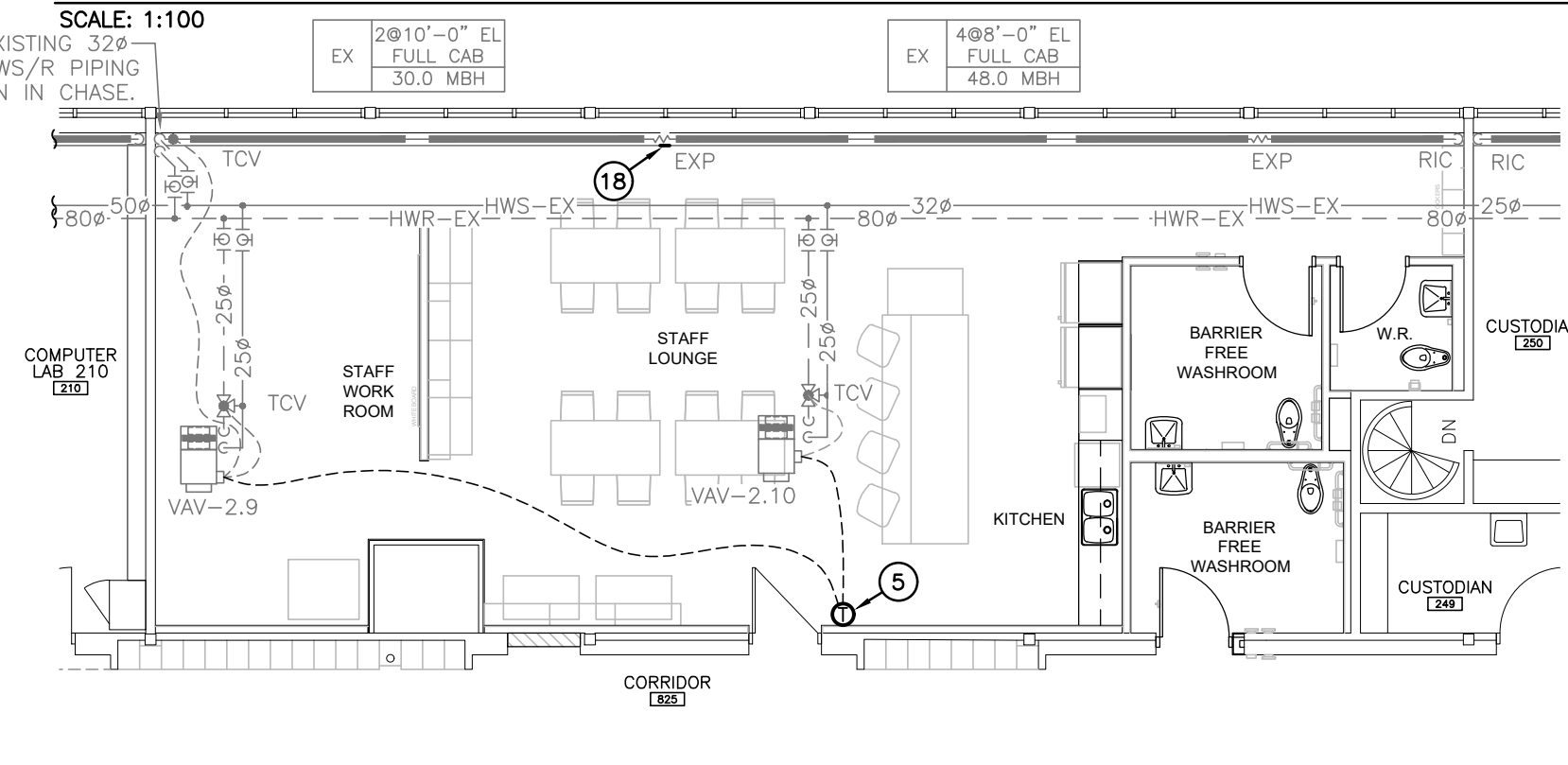
LEVEL 2 TEACHERS LOUNGE PART FLOOR PLAN - PLUMBING & DRAINAGE  
SCALE: 1:100



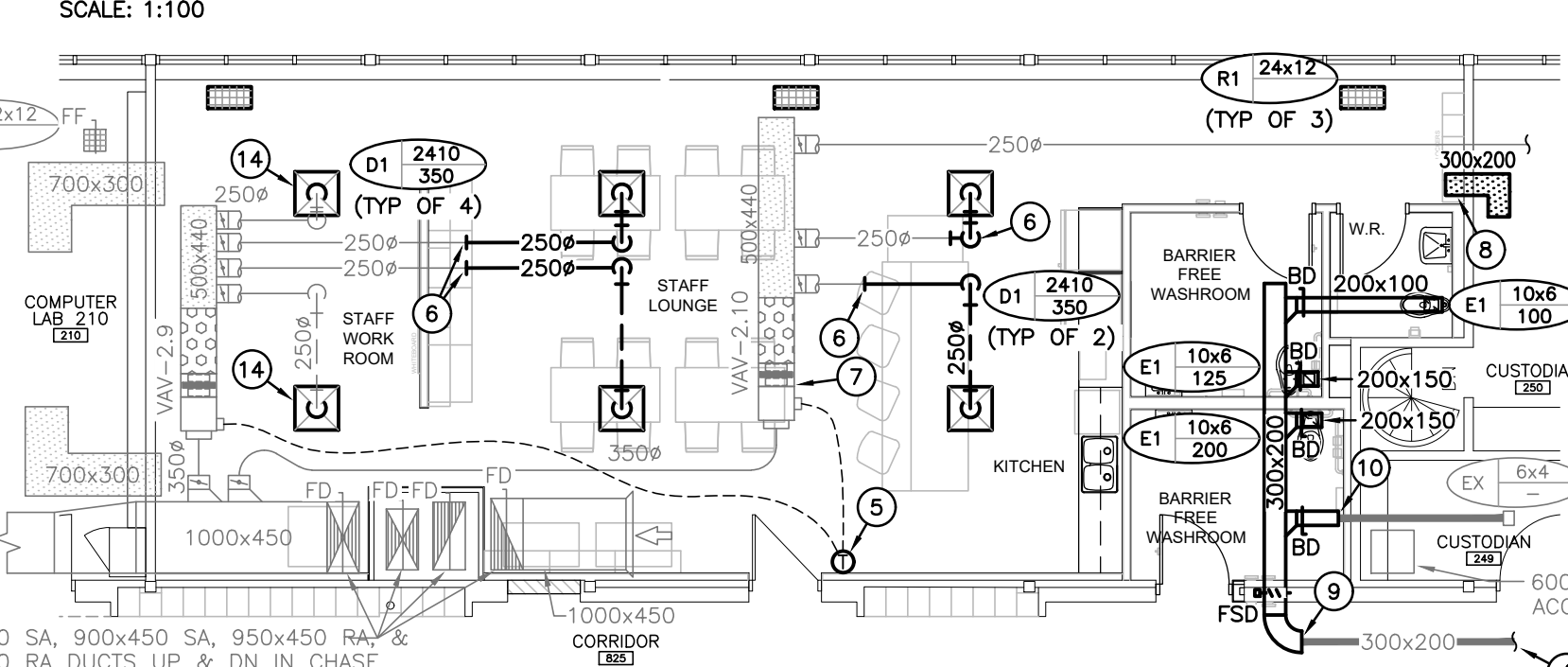
LEVEL 1 ROOMS 107-108 PART FLOOR PLAN - PLUMBING & DRAINAGE  
SCALE: 1:100  
(PLUMBING & DRAINAGE SERVING FLOOR ABOVE)



LEVEL 2 TEACHERS LOUNGE PART FLOOR PLAN - FIRE PROTECTION  
SCALE: 1:100



LEVEL 2 TEACHERS LOUNGE PART FLOOR PLAN - HYDRONIC HEATING  
SCALE: 1:100



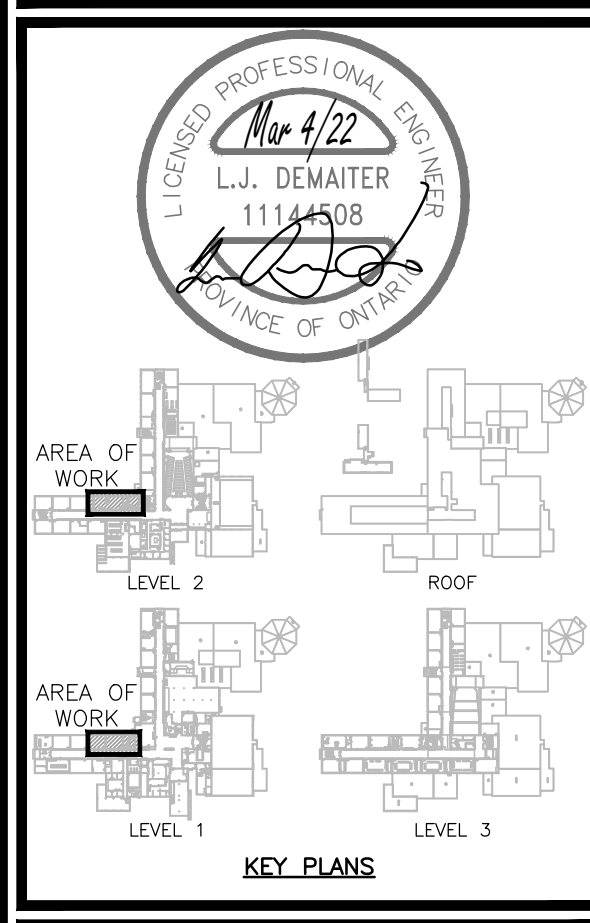
LEVEL 2 TEACHERS LOUNGE PART FLOOR PLAN - VENTILATION  
SCALE: 1:100

GENERAL RENOVATION NOTES

1. 32# SAN, 15# H&CW UP FROM FLOOR BELOW SERVING NEW LAV(S).
2. 40# SAN, 15# H&CW UP FROM FLOOR BELOW SERVING NEW SINK AND DISHWASHER.
3. 80# SAN & 25# CW UP FROM FLOOR BELOW SERVING NEW WATER CLOSETS.
4. REBALANCE EXISTING EXH FAN FOR NEW W/R CAPACITIES.
5. NEW THERMOSTAT WIRED TO EXISTING VAV BOXES AND EXISTING TCV.
6. CONNECT NEW 250# SA DUCT TO EXISTING AND ROUTE TO NEW DIFFUSER.
7. REBALANCE EXISTING VAV BOX TO REMOVE 700CFM.
8. RELOCATED 300x200 TRANSFER DUCT.
9. CONNECT NEW 300x200 EXH DUCT TO EXISTING AND EXTEND TO NEW GRILLES.
10. CONNECT NEW EXH DUCT TO EXISTING C/W NEW BALANCING DAMPER. SIZE TO MATCH EXISTING.
11. 32# SAN, 15# H&CW UP TO FLOOR ABOVE SERVING NEW LAV(S).
12. 40# SAN & 25# H&CW UP TO FLOOR ABOVE SERVING NEW SINK.
13. 80# SAN & 25# CW UP TO FLOOR ABOVE SERVING NEW WATER CLOSET.
14. CONNECT NEW DIFFUSER TO EXISTING DUCT BRANCH.
15. CONNECT NEW 15# HW & 40# CW TO EXISTING MAINS IN CORRIDOR C/W ISOLATION VALVES AND EXTEND AS INDICATED TO SERVE NEW FIXTURES ON FLOOR ABOVE.
16. ROUTE NEW 100# SAN DN IN CORNER FROM UNDERSIDE OF FLOOR ABOVE TO BELOW FLOOR SLAB.
17. CONNECT NEW 100# SAN TO EXISTING SAN IN CORRIDOR C/W CLEANOUT.
18. PROVIDE FILLER PANEL ON RAD CABINET TO SUIT REMOVAL OF WALL. PANEL TO MATCH EXISTING RAD CABINET PROFILE & SIZE.
19. RENOVATE SPRINKLER SYSTEM TO LOCATE HEADS TO SUIT NEW STAFF ROOM AND WASHROOM PLANS. PROPOSED HEAD LOCATIONS ARE APPROXIMATE.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as shown as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc. prepared and based by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2022 DEI & Associates Inc.

No.	REVISIONS	DATE



ISSUED FOR PERMIT/TENDER	2022.03.07
CHRONOLOGY	DATE

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Project Number: 2022

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CLIENT  
**INSTITUTE FOR EXCELLENCE**  
Waterloo Region District School Board

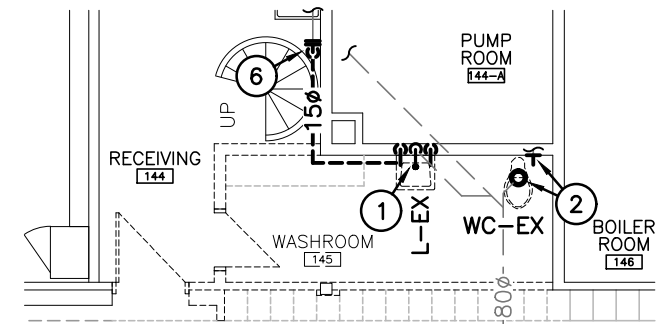
PROJECT NAME  
**EASTWOOD COLLEGIATE INSTITUTE**  
760 WEBER ST. E., KITCHENER, ON, N2H 1H6

DRAWING TITLE  
**TEACHERS LOUNGE PART PLANS DEMOLITION/RENOVATION**

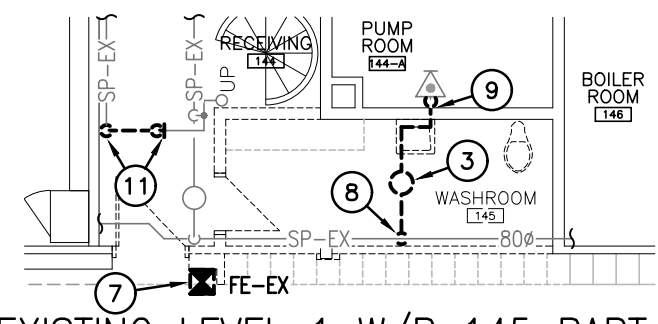
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SHEET SIZE: 24x36  
PROJECT NUMBER: 2020-163  
DRAWING NUMBER: M2.1



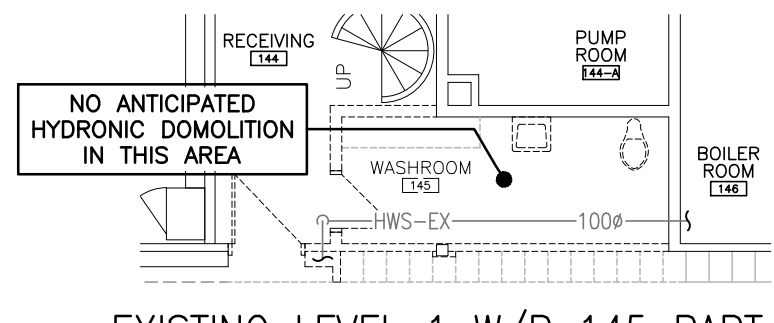
DEMOLITION PLANS (W/R 145)



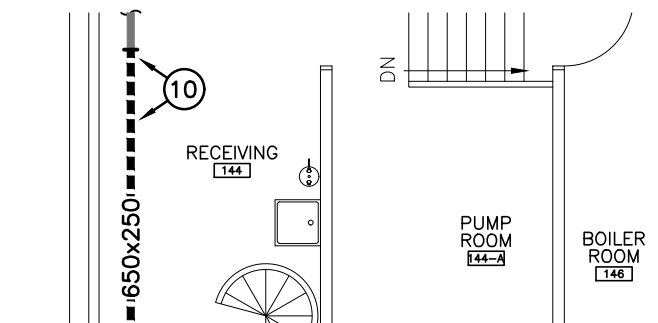
EXISTING LEVEL 1 W/R 145 PART FLOOR PLAN  
SCALE: 1:100  
(PLUMBING & DRAINAGE DEMOLITION)



EXISTING LEVEL 1 W/R 145 PART FLOOR PLAN  
SCALE: 1:100  
(FIRE PROTECTION DEMOLITION)



EXISTING LEVEL 1 W/R 145 PART FLOOR PLAN  
SCALE: 1:100  
(HYDRONIC HEATING DEMOLITION)



EXISTING LEVEL 1 W/R 145 PART FLOOR PLAN  
SCALE: 1:100  
(VENTILATION DEMOLITION)

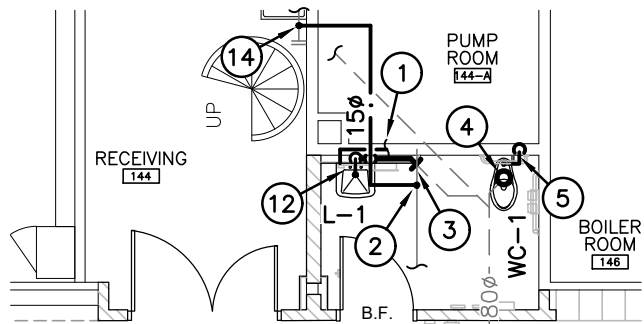
GENERAL DEMOLITION NOTES

- A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- D. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILING AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

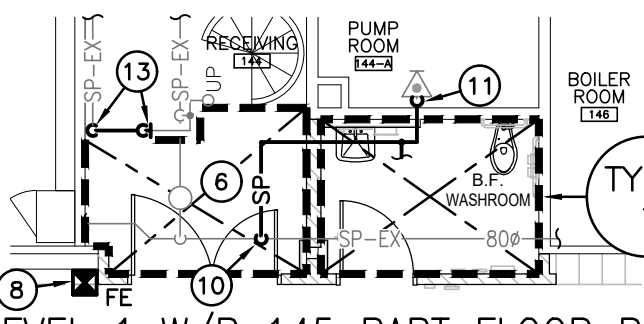
SPECIFIC DEMOLITION NOTES

1. EXISTING FIXTURE TO BE DISCONNECTED AND REMOVED COMPLETE. EXISTING SAN, H&CW PIPING TO BE REMOVED/REWORKED AS INDICATED TO SUIT NEW LAYOUT.
2. EXISTING FIXTURE TO BE DISCONNECTED AND REMOVED COMPLETE. EXISTING SAN & CW PIPING TO BE REMOVED AS INDICATED.
3. EXISTING SPRINKLER HEAD TO BE REMOVED, RELOCATED, AND REINSTALLED TO SUIT NEW CEILING LAYOUT.
4. EXISTING DOOR GRILLE TO BE REMOVED COMPLETE.
5. EXISTING DUCTWORK AND ASSOCIATED GRILLE TO BE CUT AND REMOVED COMPLETE.
6. EXISTING CW TO BE CUT, CAPPED, AND REMOVED BACK TO REMOVED LAV COMPLETE.
7. EXISTING FIRE EXTINGUISHER TO BE RELOCATED.
8. EXISTING SPRINKLER PIPE TO BE CUT, CAPPED AT MAIN, AND REMOVED BEYOND AS INDICATED.
9. EXISTING SPRINKLER PIPE TO BE CUT ON RISER AND REMOVED BACK TO MAIN COMPLETE. SIDEWALL SPRINKLER HEAD TO REMAIN.
10. EXISTING SECTION OF DUCT TO BE CUT AND REMOVED TO ALLOW FOR INSTALLATION OF NEW SAN, H&CW SERVING NEW FIXTURES ON FLOOR ABOVE.
11. EXISTING SECTION OF SPRINKLER PIPE TO BE REMOVED/REWORKED TO SUIT INSTALLATION OF NEW LOWER EXH DUCT.

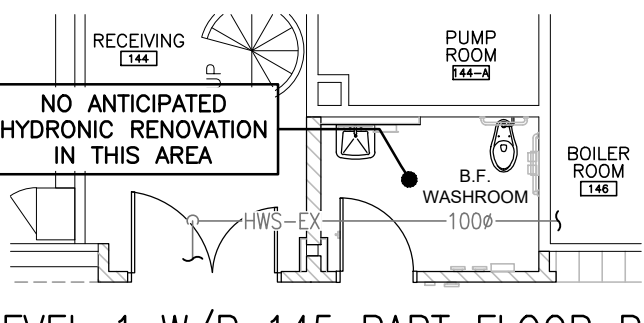
RENOVATION PLANS (W/R 145)



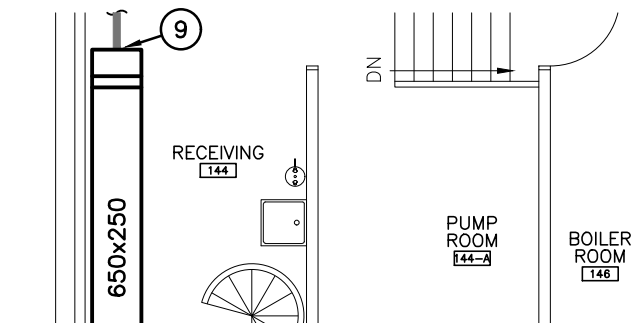
LEVEL 1 W/R 145 PART FLOOR PLAN  
SCALE: 1:100  
(PLUMBING & DRAINAGE RENOVATION)



LEVEL 1 W/R 145 PART FLOOR PLAN  
SCALE: 1:100  
(FIRE PROTECTION RENOVATION)



LEVEL 1 W/R 145 PART FLOOR PLAN  
SCALE: 1:100  
(HYDRONIC HEATING RENOVATION)

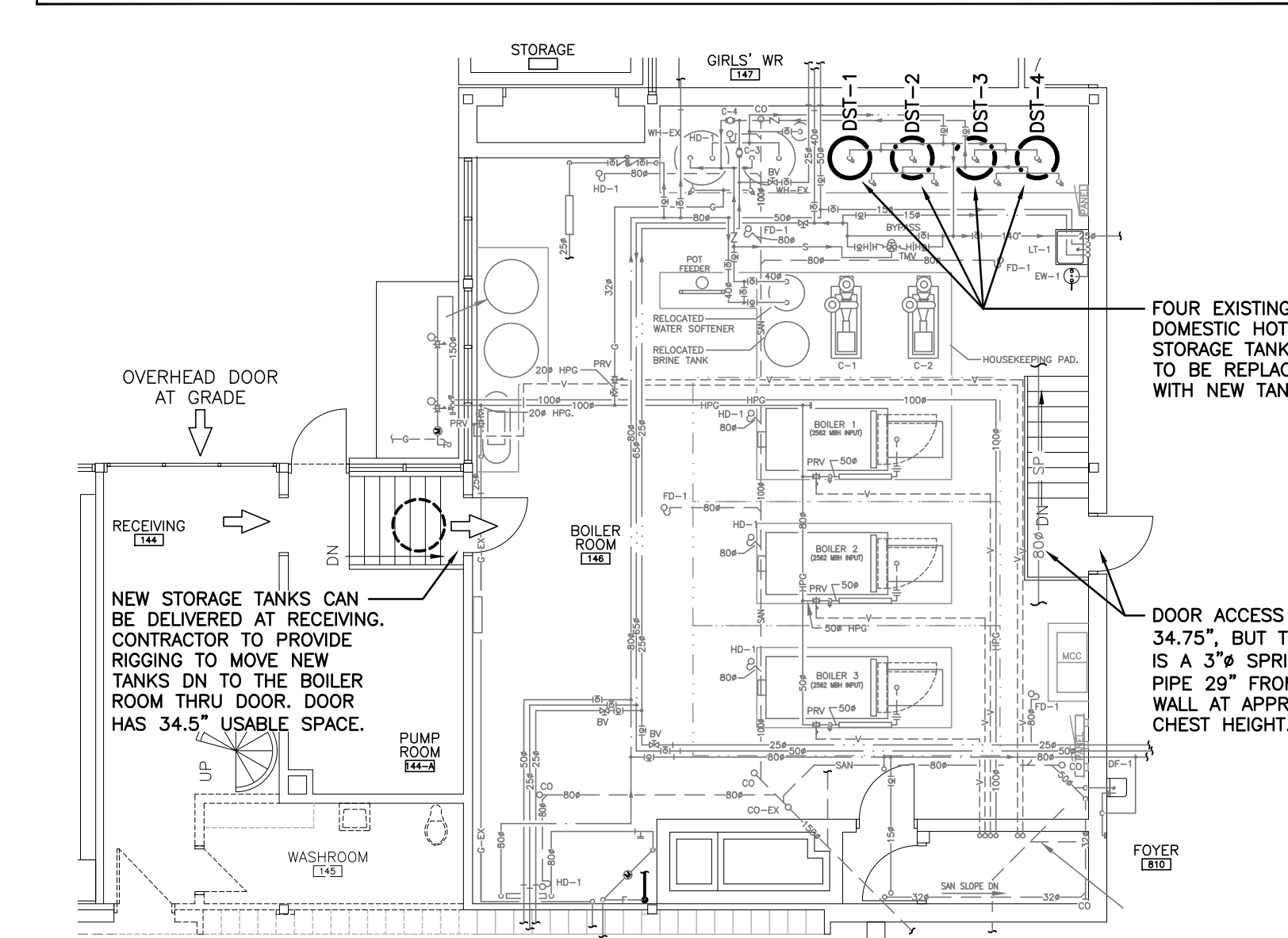
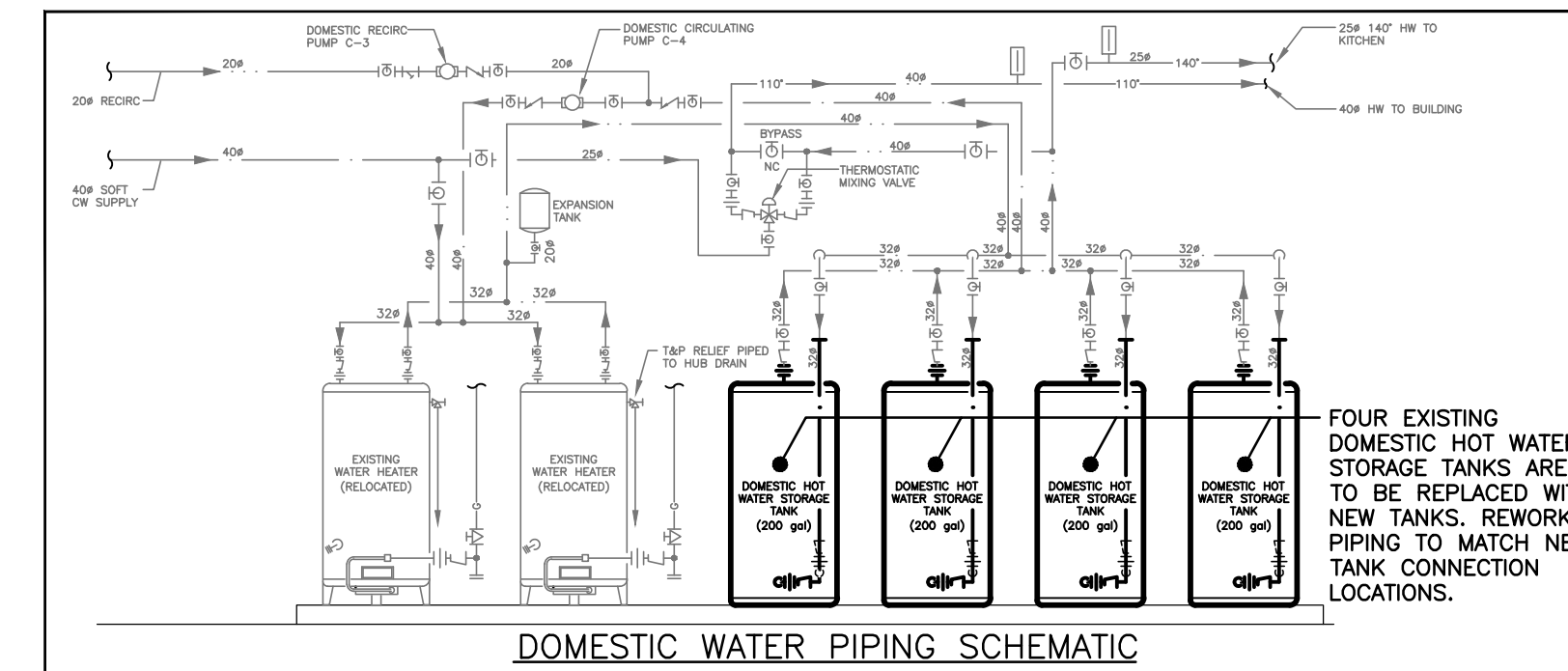


LEVEL 1 W/R 145 PART FLOOR PLAN  
SCALE: 1:100  
(VENTILATION RENOVATION)

GENERAL RENOVATION NOTES

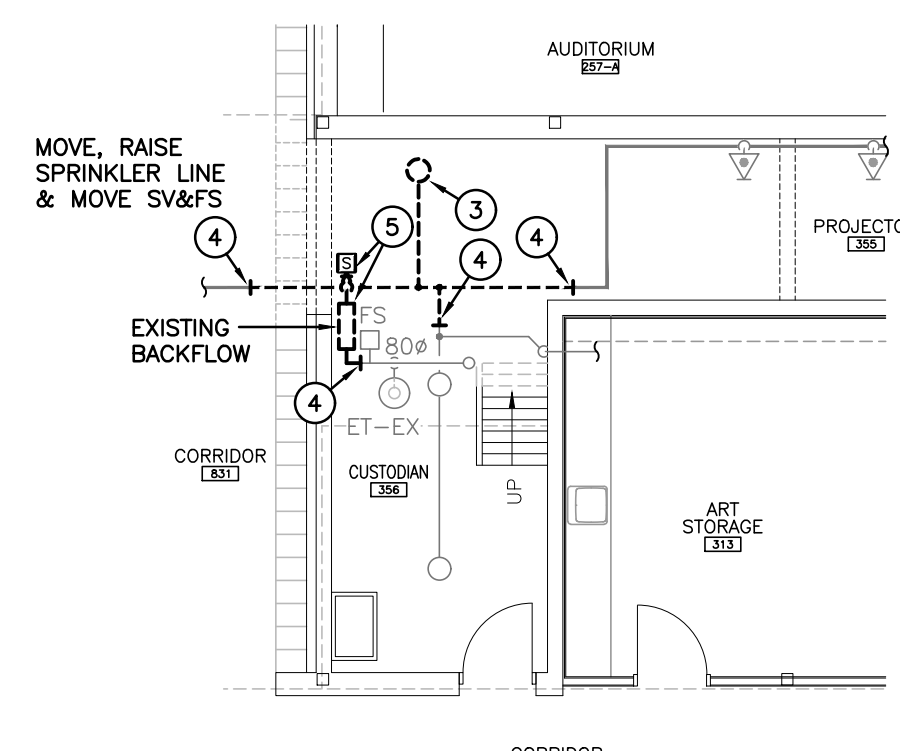
1. CONNECT NEW 150# HW TO EXISTING HW IN WALL AND EXTEND THRU NEW WALL TO NEW LAV.
2. CONNECT NEW 150# CW TO EXISTING CW IN CEILING SPACE EXTEND TO SERVING NEW LAV AND EXISTING EYE WASH.
3. CONNECT NEW 50# SAN TO EXISTING CUT CONNECTION AND EXTEND TO NEW LAV.
4. REWORK EXISTING SAN BELOW FLOOR TO SUIT INSTALLATION OF NEW WATER CLOSET.
5. BREAK INTO WALL TO REWORK WATER PIPING FOR NEW FLUSH VALVE AND NEW RECESSED SENSOR.
6. MODIFY SPRINKLER COVERAGE IN THIS AREA TO SUIT REVISED WALL LAYOUT.
7. CONNECT NEW 200x150 EXH DUCT TO EXISTING AND EXTEND TO NEW GRILLE.
8. EXISTING RELOCATED FIRE EXTINGUISHER.
9. CONNECT NEW 650x250 DUCT AND OFFSET UNDER NEW SAN, H&CW PIPING SERVING NEW FIXTURES ON FLOOR ABOVE.
10. CONNECT NEW SPRINKLER PIPE TO EXISTING MAIN AND ROUTE TO SERVE EXISTING SIDEWALL SPRINKLER HEAD AND NEW SPRINKLER HEAD IN WASHROOM.
11. CONNECT NEW SPRINKLER PIPE TO EXISTING CUT CONNECTION ON RISER.
12. REWORK EXISTING H&CW AS REQUIRED TO SERVE NEW LAV.
13. CONNECT SPRINKLER PIPE TO EXISTING CUT CONNECTIONS AND REROUTE UNDER NEW LOWER EXH DUCT.
14. CONNECT NEW 150# CW TO EXISTING 150# CW SERVING EYE WASH.

DEMOLITION/RENOVATION PLANS (BOILER ROOM)

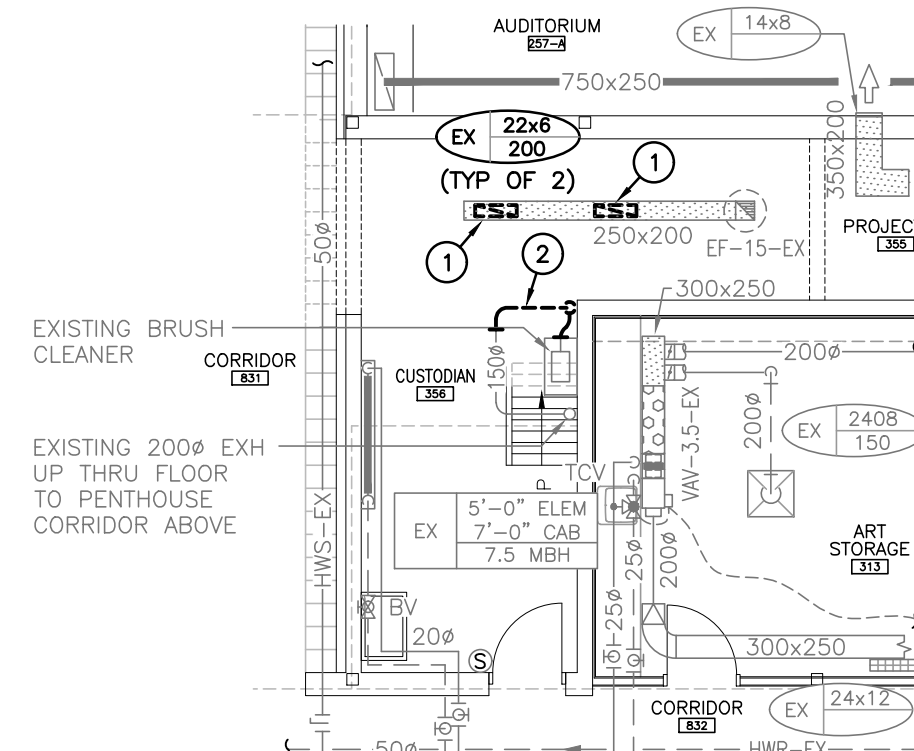


EXISTING LEVEL 1 BOILER ROOM PART FLOOR PLAN  
SCALE: 1:100  
(DEMOLITION/RENOVATION)

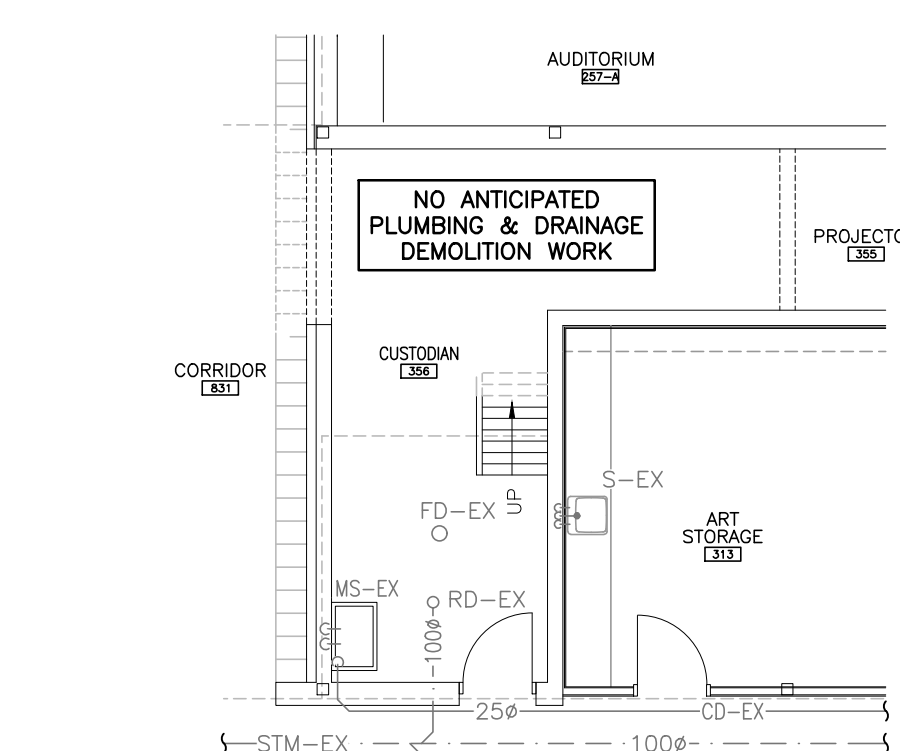
DEMOLITION PLANS (CUSTODIAN 356)



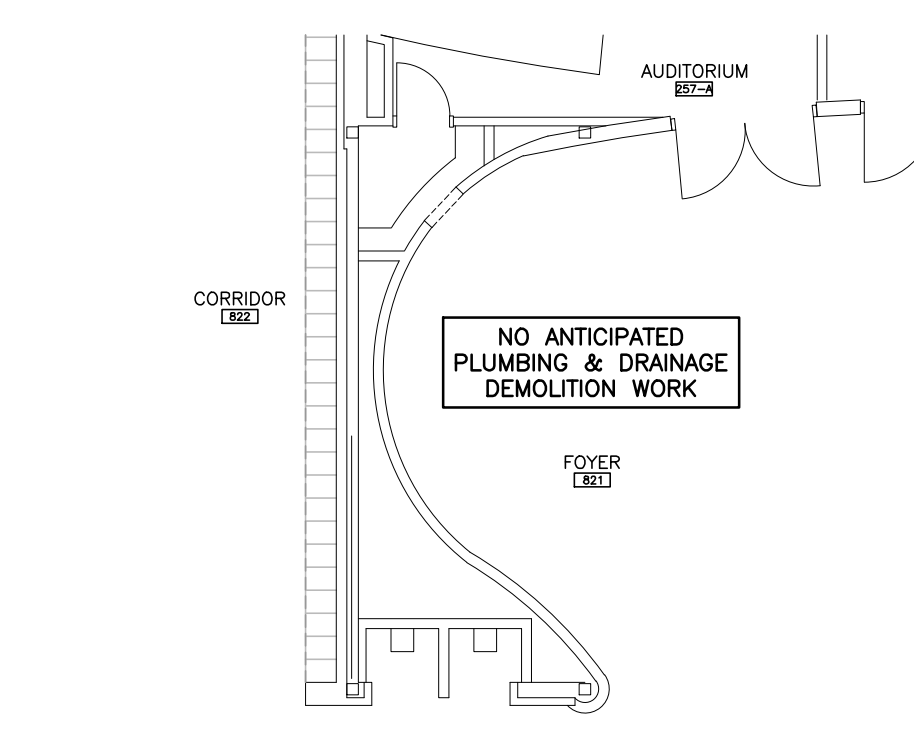
EXISTING LEVEL 3 CUSTODIAN 356 PART FLOOR PLAN  
SCALE: 1:100  
(FIRE PROTECTION DEMOLITION)



EXISTING LEVEL 3 CUSTODIAN 356 PART FLOOR PLAN  
SCALE: 1:100  
(HYDRONIC HEATING/VENTILATION DEMOLITION)



EXISTING LEVEL 3 CUSTODIAN 356 PART FLOOR PLAN  
SCALE: 1:100  
(PLUMBING & DRAINAGE DEMOLITION)



EX LEVEL 2 AUDITORIUM PART FLOOR PLAN  
SCALE: 1:100  
(PLUMBING & DRAINAGE DEMOLITION)

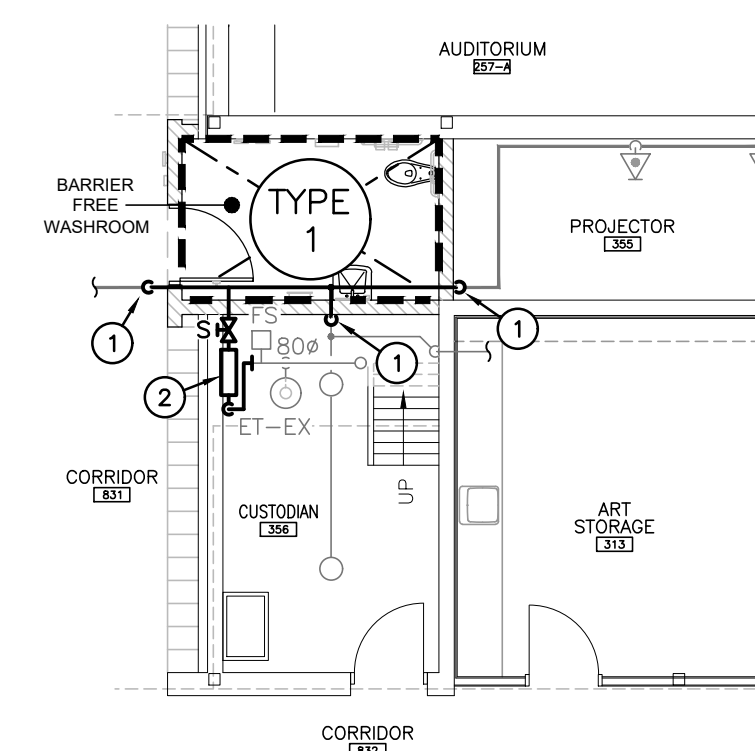
GENERAL DEMOLITION NOTES

- A. EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- B. EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- C. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- D. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- E. PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- F. REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- G. MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- H. INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- I. THIS CONTRACTOR IS TO REMOVE & REPLACE CEILING AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

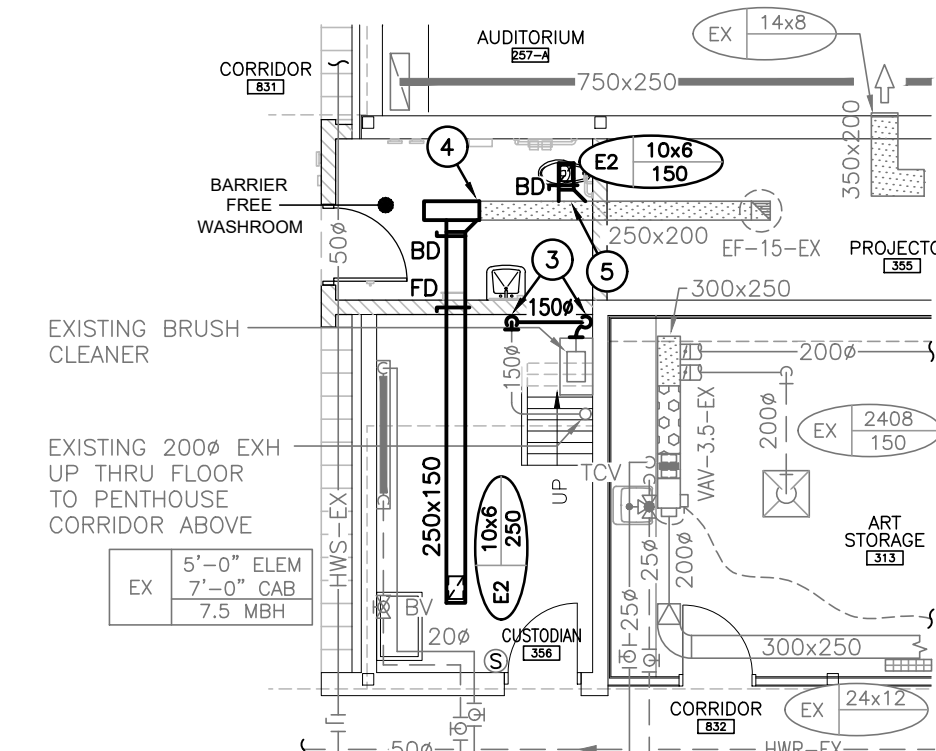
SPECIFIC DEMOLITION NOTES

1. EXISTING GRILLE TO BE REMOVED COMPLETE. OPENING TO BE PATCHED.
2. EXISTING SECTION OF DUCTWORK SERVING BRUSH CLEANER TO BE REMOVED AND REWORKED TO SUIT NEW WALL.
3. EXISTING SPRINKLER HEAD TO BE REMOVED COMPLETE.
4. EXISTING SPRINKLER PIPE TO BE CUT AND REMOVED AS INDICATED.
5. EXISTING SUPERVISED VALVE AND BACKFLOW DEVICE TO BE REMOVED AND RELOCATED.

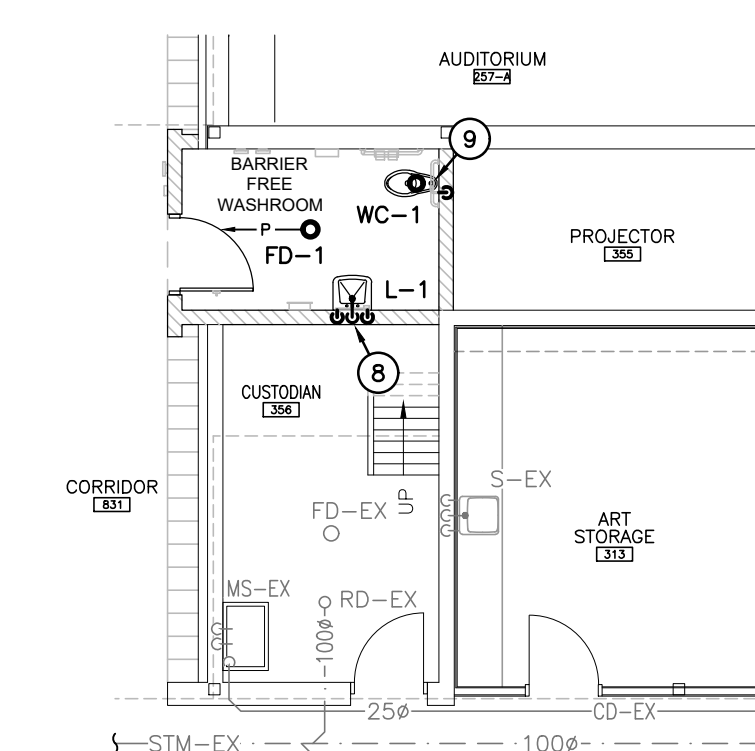
RENOVATION PLANS (CUSTODIAN 356)



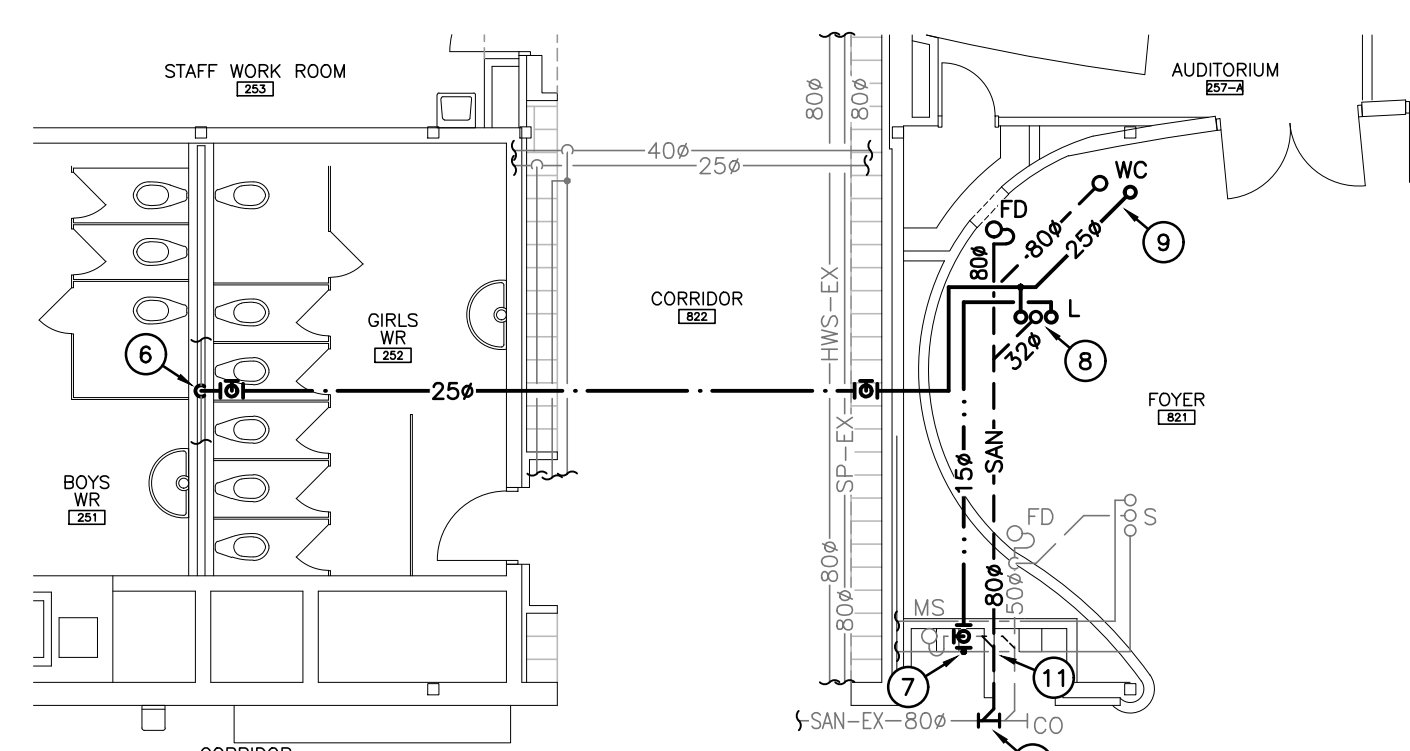
LEVEL 3 CUSTODIAN 356 PART FLOOR PLAN  
SCALE: 1:100  
(FIRE PROTECTION RENOVATION)



LEVEL 3 CUSTODIAN 356 PART FLOOR PLAN  
SCALE: 1:100  
(HYDRONIC HEATING/VENTILATION RENOVATION)



LEVEL 3 CUSTODIAN 356 PART FLOOR PLAN  
SCALE: 1:100  
(PLUMBING & DRAINAGE RENOVATION)



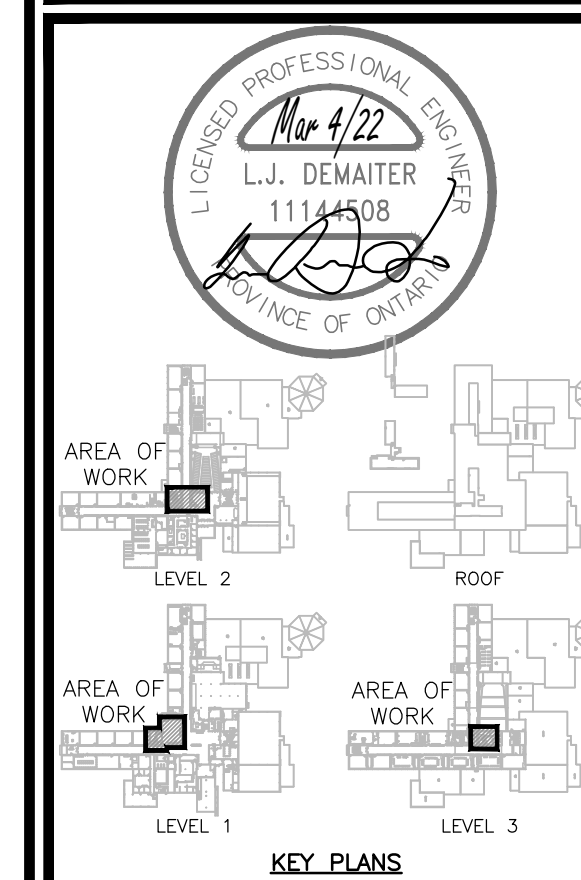
LEVEL 2 AUDITORIUM PART FLOOR PLAN  
SCALE: 1:100  
(PLUMBING & DRAINAGE RENOVATION)

GENERAL RENOVATION NOTES

1. RELOCATE SPRINKLER MAIN AND RAISE ABOVE NEW CEILING IN WASHROOM.
2. RELOCATE EXISTING ZONE VALVE ASSEMBLY TO SUIT RAISED PIPING.
3. CONNECT NEW 150# BRUSH CLEANING DUCT TO EXISTING CUT CONNECTION AND REROUTE DN TO EXISTING BRUSH CLEANER AS INDICATED.
4. CONNECT NEW 250x200 EXH DUCT TO EXISTING AND EXTEND BRANCH DUCT TO JAN ROOM.
5. CONNECT NEW 200x150 EXH DUCT TO EXISTING AND EXTEND TO NEW GRILLE IN W/R.
6. CONNECT NEW 25# CW TO EXISTING CW HEADER IN CHASE BETWEEN WASHROOMS AND EXTEND TO SERVE NEW FIXTURES ON FLOOR ABOVE.
7. CONNECT NEW 150# HW TO EXISTING HW SERVING EXISTING FIXTURES AND EXTEND TO SERVE NEW LAV ON FLOOR ABOVE.
8. 32# SAN, 15# H&CW SERVING NEW LAV.
9. 80# SAN AND 25# CW SERVING NEW WATER CLOSET.
10. CONNECT NEW 80# SAN SERVING NEW FIXTURES TO EXISTING 80# SAN ABOVE CEILING.
11. IF EXISTING DRAIN SERVING MOP SINK ON FLOOR ABOVE INTERFERES WITH THE INSTALLATION OF THE NEW 80# SAN SERVING NEW FIXTURES CONTRACTOR IS TO REWORK THE EXISTING MOP SINK DRAIN AND CONNECT IT TO THE NEW 80# SAN.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2022 DEI & Associates Inc.

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Project Number: 2022

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760 WEBER ST. E., KITCHENER, ON, N2H 1H6

DRAWING TITLE  
**W/R 145, BOILER Rm, & CUSTODIAN 356 PART PLANS DEMOLITION/RENOVATION**

SCALE	AS NOTED
SHEET SIZE	24x36
PROJECT NUMBER	2020-163
DRAWING NUMBER	M2.2