



PLUMBING ABBREVIATIONS table listing symbols for Clean Out, Connect to Existing, Domestic Cold Water, Domestic Hot Water Recirculation, Floor Drain, Funnel Floor Drain, Domestic Hot Water, Lavatory, Water Meter, Manhole, Non Freeze Hose Bib, Non Freeze Wall Hydrant, Rough-in Only, Sink, Urinal, Vent, Water Closet, and Down.

HVAC ABBREVIATIONS table listing symbols for Access Door, Access Panel, Baseboard Heater, Balancing Damper, Backdraft Damper, Exhaust Air, Exhaust Fan, Exhaust Grille, Outside Air, Force Flow Heater, Return Air, Return Grille, Supply Air, Splitter Damper, Supply Grille, Under Cut Door, Supply Air Duct, and Exhaust Air Duct.

MECHANICAL LEGEND - PIPING/PLUMBING table defining symbols for sanitary lines, condenser lines, domestic water, recirculation, tempered water, pipe up/down, cleanouts, and plumbing fixture tags.

MECHANICAL LEGEND - HVAC table defining symbols for new ductwork, existing ductwork, acoustical duct lining, turning vanes, splitter dampers, duct reducers/enlargers, supply/return ducts, diffusers, balancing dampers, fire dampers, thermostats, temperature sensors, CO2 sensors, and HVAC equipment tags.

DRAWING LIST table listing mechanical specifications, schedules, details, and demolition/new layouts for the first, second, and third floors.

PLUMBING FIXTURE SCHEDULE table with columns for Type, Specification, CW, HW, Waste, Vent, and Remarks. Includes items for Water Closet Bowl, Water Closet, Lavatory, Urinal, Wash Fountain, and Hub Drain.

EXISTING COOLING ONLY AHU (FOR REFERENCE ONLY) table with columns for Tag, Make/Model No., Air Flow, Heating Capacity, Cooling Capacity, Electrical, AHU Configuration, Remarks, and Condensing Unit details.

FAN SCHEDULE table with columns for Tag, Service, Manuf., Model, Mounting, Air Type, Air Flow, Static Press., Fan RPM, Electrical, Weight, Dimensions, and Remarks.

CABINET HEATER SCHEDULE table with columns for Tag, Manufacturer, Model No., Product Code, Working Fluid, Height, Length, Width, Airflow, No. of Fans, Type, Electrical, Heating, Flow, Pressure Drop, and Remarks.



ALL CONSTRUCTION TO MEET O.B.C. REQUIREMENTS AND CODE REQUIREMENTS

CLIENT  
Halton District School Board  
2050 Guelph Line  
Burlington, Ontario

ARCHITECT  
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23.06.07  
PROVINCE OF ONTARIO

GENERAL NOTE:  
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REVISION SCHEDULE table with columns for NO., DESCRIPTION, and DATE. Includes entries for ISSUED FOR PERMIT/CCO#7 and ISSUED FOR PROGRESS.

PROJECT  
BURLINGTON CENTRAL  
H.S. RENOVATIONS

1433 Baldwin Street Burlington, ON

Table with columns for DRAWN, S.V., PROJECT NO., CHECKED, D.H., ENG PROJECT NO., SCALE, AS NOTED.

MECHANICAL SCHEDULES, LEGENDS & DRAWING LIST

COMBINATION SMOKE FIRE DAMPER SCHEDULE

FLOOR	TAG	MANUFACTURER	MODEL	LEAKAGE	DUCT SIZE (MM)	TYPE	VERTICAL / HORIZONTAL	120V ACTUATOR		CLOSURE DEVICE	TEST CONTROL BOX W/LIGHTS	120V SMOKE DETECTOR	REMARKS
								END SWITCH	OPERATION				
LEVEL-1	SFD-100A	UNITED ENERTECH	FS-3V-I	CLASS I	300x150	SQUARE	HORIZONTAL	YES	POWERED OPEN / FAIL CLOSED	ELECTRIC FUSE LINK 165 F	YES	FACTORY MOUNT PHOTOELECTRIC	- SEE NOTES BELOW FOR REQUIRED OPTIONS - CONTRACTOR TO FIELD VERIFY THE DUCT SIZE
LEVEL-1	SFD-100B	UNITED ENERTECH	FS-3V-I	CLASS I	300x150	SQUARE	HORIZONTAL	YES	POWERED OPEN / FAIL CLOSED	ELECTRIC FUSE LINK 165 F	YES	FACTORY MOUNT PHOTOELECTRIC	- SEE NOTES BELOW FOR REQUIRED OPTIONS - CONTRACTOR TO FIELD VERIFY THE DUCT SIZE
LEVEL-1	SFD-100C	UNITED ENERTECH	FS-3V-I	CLASS I	300x150	SQUARE	HORIZONTAL	YES	POWERED OPEN / FAIL CLOSED	ELECTRIC FUSE LINK 165 F	YES	FACTORY MOUNT PHOTOELECTRIC	- SEE NOTES BELOW FOR REQUIRED OPTIONS - CONTRACTOR TO FIELD VERIFY THE DUCT SIZE
LEVEL-1	SFD-100D	UNITED ENERTECH	FS-3V-I	CLASS I	300x300	SQUARE	HORIZONTAL	YES	POWERED OPEN / FAIL CLOSED	ELECTRIC FUSE LINK 165 F	YES	FACTORY MOUNT PHOTOELECTRIC	- SEE NOTES BELOW FOR REQUIRED OPTIONS - CONTRACTOR TO FIELD VERIFY THE DUCT SIZE
LEVEL-1	SFD-100E	UNITED ENERTECH	FS-3V-I	CLASS I	300x150	SQUARE	HORIZONTAL	YES	POWERED OPEN / FAIL CLOSED	ELECTRIC FUSE LINK 165 F	YES	FACTORY MOUNT PHOTOELECTRIC	- SEE NOTES BELOW FOR REQUIRED OPTIONS - CONTRACTOR TO FIELD VERIFY THE DUCT SIZE
LEVEL-1	SFD-100F	UNITED ENERTECH	FS-3V-I	CLASS I	300x200	SQUARE	HORIZONTAL	YES	POWERED OPEN / FAIL CLOSED	ELECTRIC FUSE LINK 165 F	YES	FACTORY MOUNT PHOTOELECTRIC	- SEE NOTES BELOW FOR REQUIRED OPTIONS - CONTRACTOR TO FIELD VERIFY THE DUCT SIZE
LEVEL-2	SFD-200A	UNITED ENERTECH	FS-3V-I	CLASS I	350x200	SQUARE	HORIZONTAL	YES	POWERED OPEN / FAIL CLOSED	ELECTRIC FUSE LINK 165 F	YES	FACTORY MOUNT PHOTOELECTRIC	- SEE NOTES BELOW FOR REQUIRED OPTIONS - CONTRACTOR TO FIELD VERIFY THE DUCT SIZE
LEVEL-2	SFD-200B	UNITED ENERTECH	FS-3V-I	CLASS I	300x200	SQUARE	HORIZONTAL	YES	POWERED OPEN / FAIL CLOSED	ELECTRIC FUSE LINK 165 F	YES	FACTORY MOUNT PHOTOELECTRIC	- SEE NOTES BELOW FOR REQUIRED OPTIONS - CONTRACTOR TO FIELD VERIFY THE DUCT SIZE

- NOTES:  
 1. INSTALL UNIT TO MANUFACTURER'S INSTRUCTIONS.  
 2. EACH DAMPER TO HAVE FACTORY MOUNT MICRO SWITCH PACKAGE TO TEST DAMPER OPERATION WITH INDICATOR LIGHTS  
 3. EACH DAMPER TO HAVE FACTORY MOUNT ACTUATOR BELIMO FSLF-102 RATED UL555 AND UL555S 350 DEG.F FOR 30 MIN, 15 SEC CYCLY TIME, SPRING RETURN  
 4. EACH DAMPER TO HAVE FACTORY MOUNT DUCT SMOKE DETECTOR AIR PRODUCTS AND CONTROLS SL-2000-P, 4 WIRE  
 5. EACH DAMPER TO C/W MOMENTARY TEST SWITCH F/S-MTS SHIPPED LOOSE.  
 6. REFER TO SMOKE FIRE DAMPER INSTALLATION DETAIL ON DWG #M1.4

DIFFUSER AND GRILLE SCHEDULE

TAG	MANUFACTURER	MODEL No.	TYPE	SIZE (mm x mm)	NECK SIZE (mm)	FINISH	MOUNTING	DAMPER	REMARKS
EX-SA	PRICE	SCD	SUPPLY	AS NOTED	-	B12	T-BAR	YES	EXISTING
EX-RA	PRICE	80	RETURN	AS NOTED	-	B12	T-BAR	YES	EXISTING
SA1	PRICE	520D	SUPPLY	AS NOTED	AS NOTED	B12	T-BAR	YES	NOTE 2
EA1	PRICE	535	EXHAUST	AS NOTED		B12	T-BAR	YES	

- NOTES:  
 1. ACCEPTABLE EQUIVALENT: KRUEGER, NAILOR, METALAIRE  
 2. DOUBLE DEFLECTION, IN-BUILT BALANCING DAMPER.

4

DUCT HEATER SCHEDULE

TAG	SERVES	MANUF.	MODEL	AIR FLOW (CFM)	CAPACITY (kW)	ELECTRICAL			REMARKS
						V/PH/HZ	MCA	MOPD	
DH-1	ERV-1	THERMOLEC	SLIP-IN TYPE	75	1.0	208/1/60	-	-	SEE NOTES BELOW, S.C.R BY THERMOLEC, STAT 0-10VDC (CTH291) + DS600

- NOTES:  
 1. INSTALL UNIT TO MANUFACTURER'S RECOMMENDATION.  
 2. EACH UNIT IS INTERLOCKED WITH THE RELATED UNIT.  
 3. C/W AUTOMATIC RESET THERMAL CUT-OUT, AIR FLOW SENSOR, MANUAL RESET THERMAL CUT-OUT, SCR CONTROL.  
 4. TEMPERATURE SENSOR, OPEN COIL ELEMENT, CORROSION RESISTANCE ENCLOSURE.  
 5. BUILT IN ELECTRONIC TEMP. AND SENSOR AND COLLARS.

CABINET HEATER SCHEDULE

TAG	MANUFACTURER	MODEL NO.	PRODUCT CODE	WORKING FLUID	HEIGHT (INCH)	LENGTH (INCH)	WIDTH (INCH)	AIRFLOW (CFM)	NO. OF FANS	TYPE	ELECTRICAL			HEATING (BTU/HR)	FLOW (USGPM)	PRESSURE DROP (FT)	REMARKS
											V/PH/HZ	HP	FLA				
CH-1 & CH-2	ENGINEERED AIR	CUH SERIES	CUH-6	WATER	9.5	28	38	600	2	HIGH STATIC	120/1/60	1/6	3.7	20,000	2.16	1.6	SEE NOTES BELOW

- NOTES:  
 1. C/W HANGING ACCESSORIES, VIBRATION ISOLATORS, REMOTE THERMOSTAT WITH SET POINT, CONTROLS TO MATCH BASE BUILDING STANDARD, BALL VALVES & STRAINER WITH BLOWDOWN.  
 2. CONTRACTOR SHALL ENSURE TO INCLUDE ALL REQUIRED ACCESSORIES AND FITTING FOR A FULLY FUNCTIONAL SYSTEM.  
 3. ASSUMED HOT WATER SUPPLY/ RETURN TEMPERATURE: 140F/120F; CONTRACTOR TO SITE VERIFY EXISTING HYDRONIC SYSTEM TEMPERATURES. UNIT SHALL BE INTEGRATED WITH BASE BUILDING BAS SYSTEM.  
 4. CONTRACTOR TO COORDINATE, INLET & OUTLET ORIENTATION ON SITE WITH EXISTING SYSTEM. COORDINATE COLOR WITH ARCH.  
 5. COORDINATE UNIT DIMENSIONS WITH EXISTING SPACE PRIOR TO SHOP DRAWING SUBMISSION.

4

AC SPLIT / MULTI-SPLIT UNIT SCHEDULE

OUTDOOR										INDOOR									
TAG	MANUFACTURER	MODEL	COOLING CAPACITY (BTU/HR) @95°F	HEATING CAPACITY (BTU/HR) @ 5°F	ELECTRICAL			WEIGHT (LBS)	TAG	SERVICE	MODEL	TYPE	MAX. AIRFLOW (CFM)	COOLING CAPACITY (BTU/HR) @95°F	HEATING CAPACITY (BTU/HR) @ 5°F	ELECTRICAL		WEIGHT (LBS)	
					V/PH/HZ	MCA	MOPD									V/PH/HZ	MCA		
CU-1	MITSUBISHI	MUZ-FS18NAH	18,000	23,000	208/1/60	18	20	118	AC-1	NEW SEMINAR RM	MSZ-FS18NA-U1	WALL MOUNTED	467	18,000	23,000	208/1/60	1	31	

- NOTES:  
 1. C/W DISCONNECT SWITCH, WIRED WALL MOUNTED PROGRAMMABLE CONTROLLER.  
 2. CU-1: LOW AMBIENT COOLING OPERATION DOWN TO -4°F w/ WIND BAFFLE.  
 3. BOTH REFRIGERANT LINES SHOULD BE INSULATED SEPARATELY.  
 4. ACCEPTABLE EQUIVALENT- DAIKIN  
 5. OUTDOOR UNIT FEEDS POWER BACK TO INDOOR UNIT. LINE VOLTAGE WIRING BY ELECTRICAL DIVISION. ALL LOW VOLTAGE CONTROLS WIRING BY MECHANICAL CONTRACTOR.  
 6. CONDENSATE PUMP DELTAPACK SAUERMANN 208V POWERED FROM A/C TERMINAL BLOCK.  
 7. PROVIDE LINESSET COVERS, ECO-FOOT STAND FOR CONDENSER, PATIO STONES, ANCHORS AND BOLTS

RECEIVED

DEC 15 2023

CITY OF BURLINGTON  
BUILDING DEPARTMENT

ALL CONSTRUCTION TO  
MEET ONTARIO BUILDING  
CODE REQUIREMENTS

CLIENT

Halton District School Board  
2050 Guelph Line  
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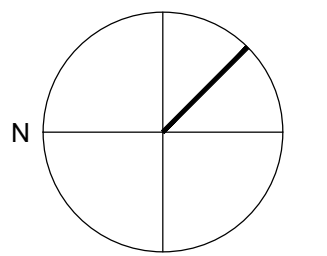
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NO.	DESCRIPTION	DATE
4.	RE-ISSUED FOR PERMIT	23.12.13
3.	RE-ISSUED FOR PERMIT	23.10.13
2.	ISSUED FOR PERMIT/ CCO#7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

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PROJECT

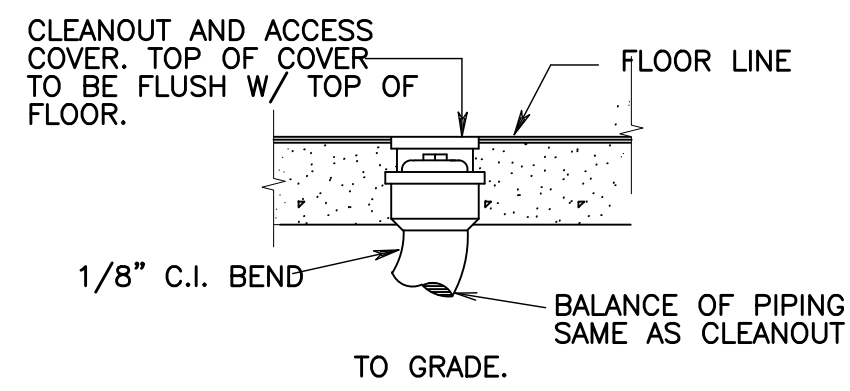
BURLINGTON CENTRAL  
H.S. RENOVATIONS

1433 Baldwin Street Burlington, ON

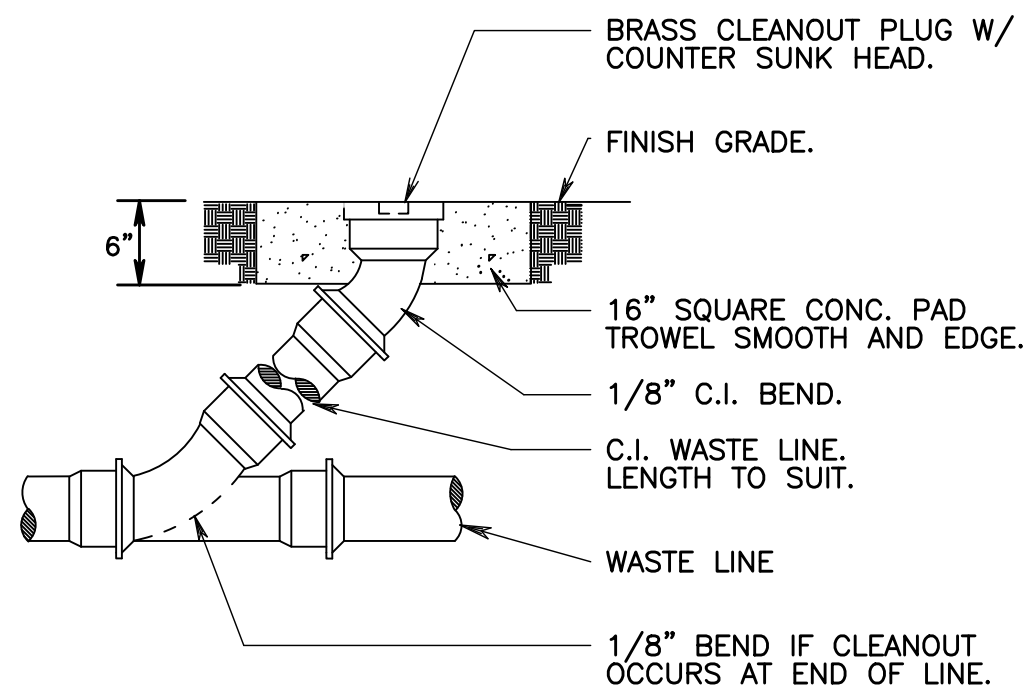
DRAWN	PROJECT NO.
S.V.	2005
CHECKED	ENG PROJECT NO.
D.H.	23008
SCALE	
AS NOTED	

DRAWING

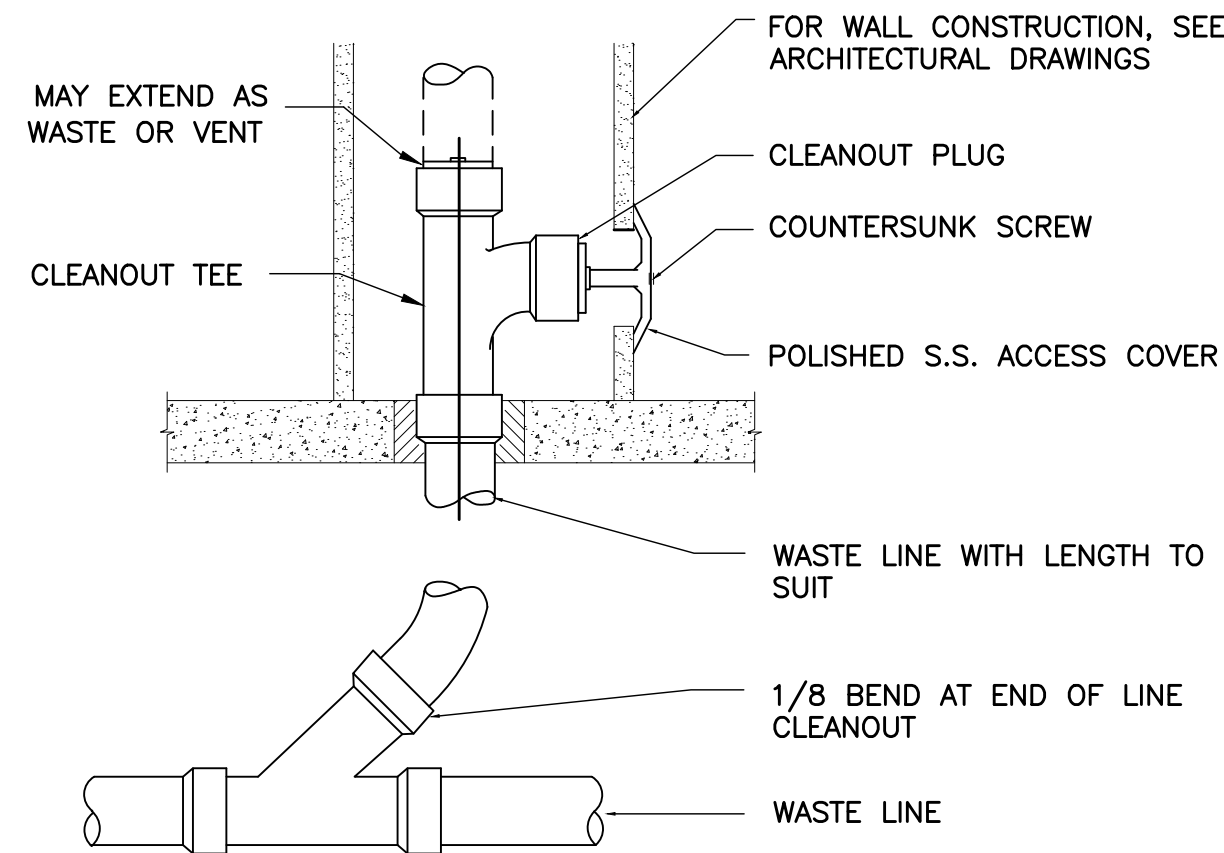
MECHANICAL  
SCHEDULES



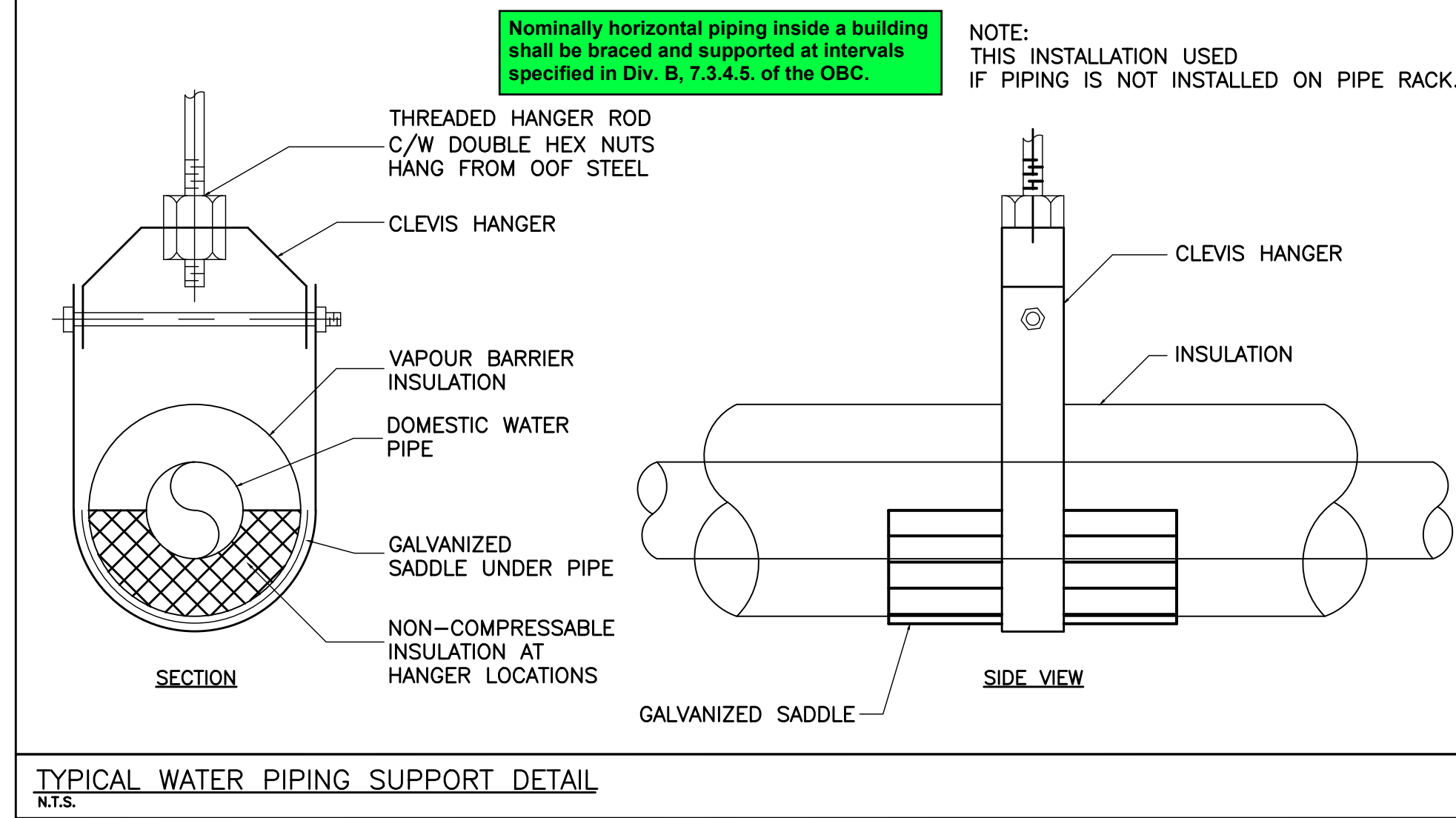
FLOOR CLEANOUT DETAIL



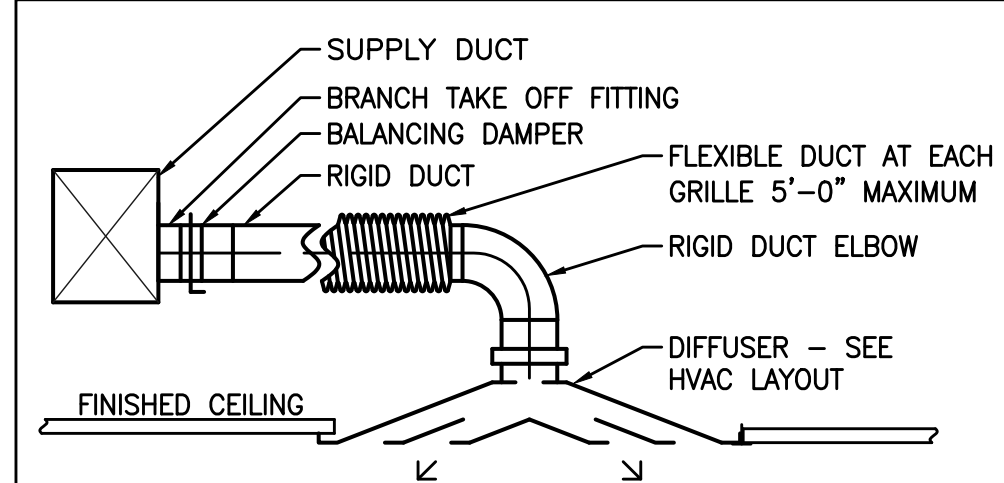
CLEANOUT TO GRADE DETAIL



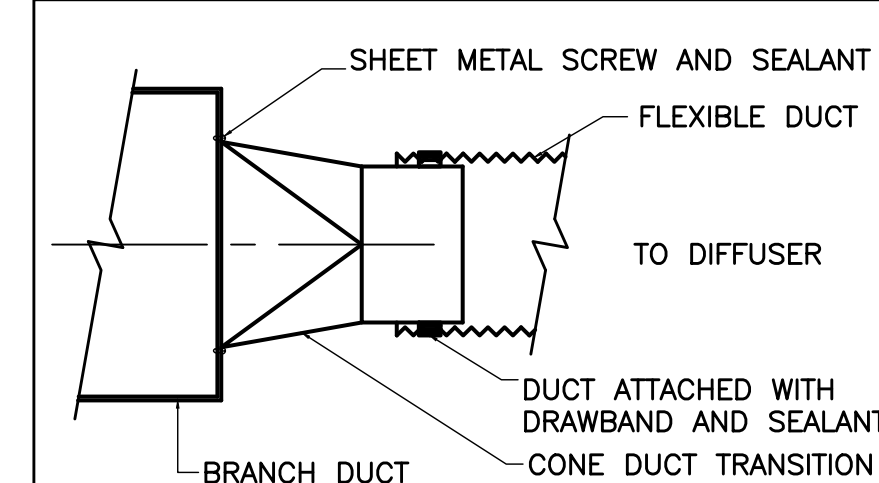
WALL CLEANOUT DETAIL



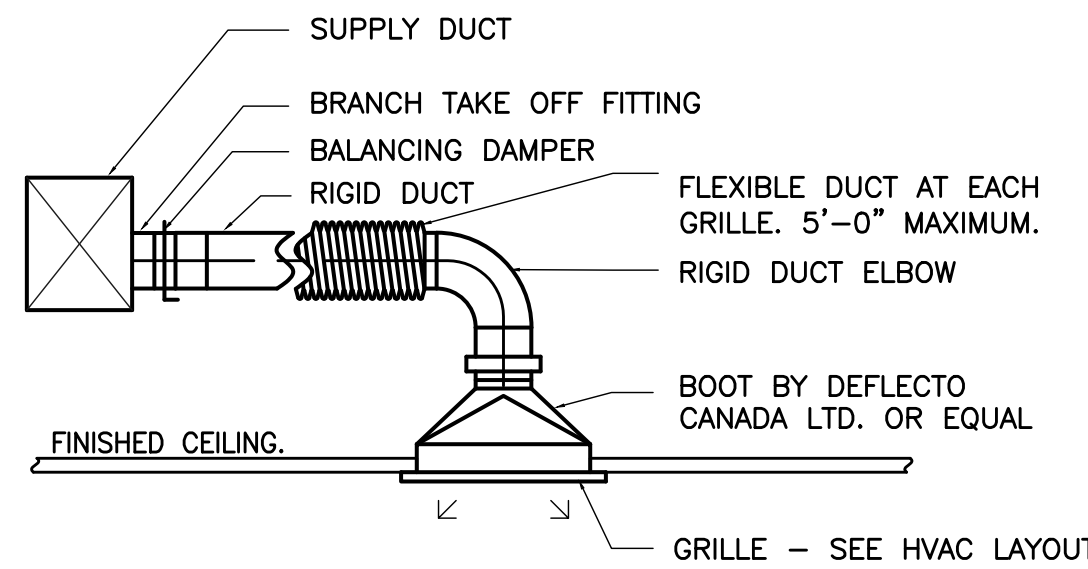
TYPICAL WATER PIPING SUPPORT DETAIL  
N.T.S.



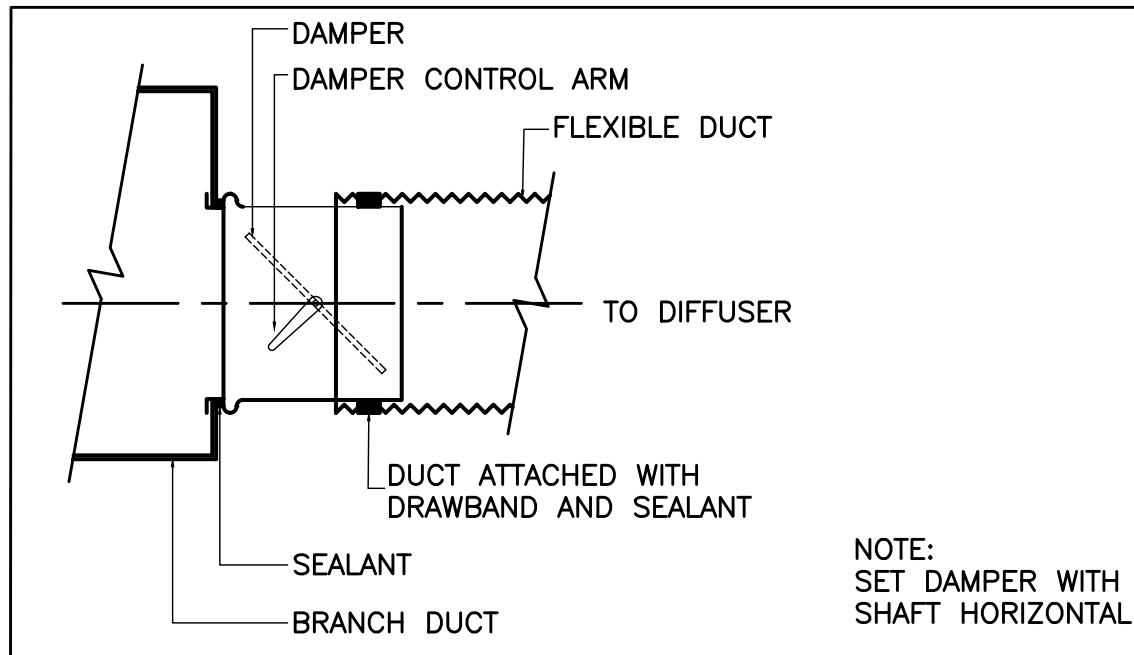
TYPICAL DIFFUSER CONNECTION DETAIL  
N.T.S.



SCREW FASTENED CONNECTION  
N.T.S.

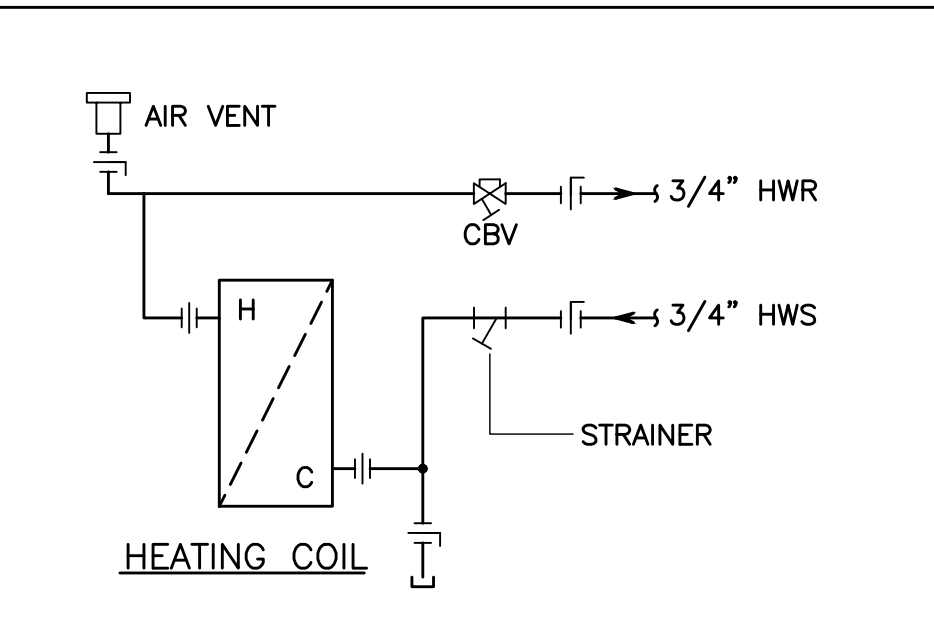


TYPICAL GRILLE CONNECTION DETAIL  
N.T.S.



SPIN-IN CONNECTION  
N.T.S.

NOTE: SET DAMPER WITH SHAFT HORIZONTAL

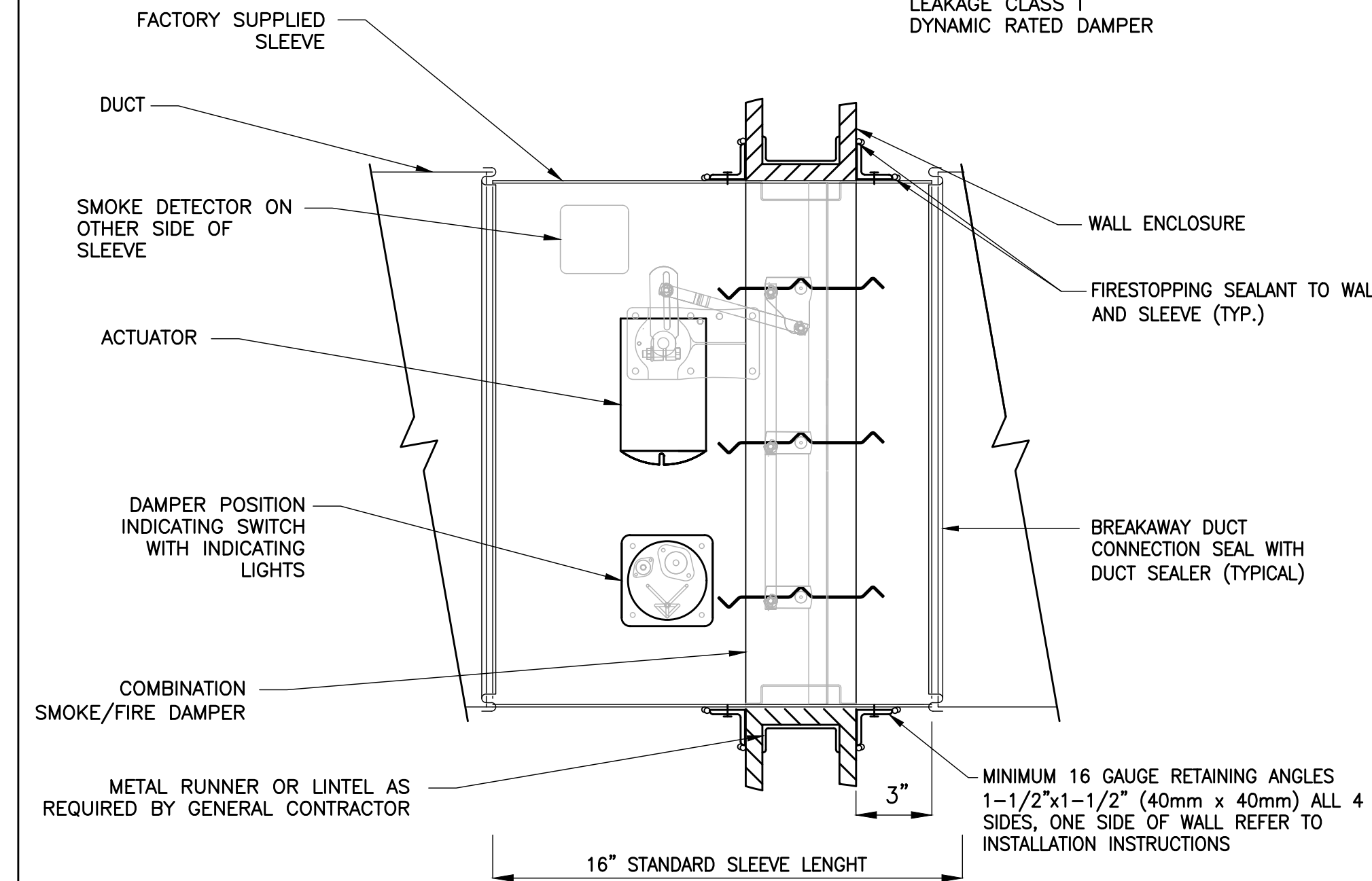


CABINET UNIT HEATER HOT WATER COIL SCHEMATIC  
N.T.S.

NOTE:  
Access door required at each combination fire/smoke damper in conformance with Div. B, 3.1.8.9A.(5) and NFPA 80-13, 19.2.3.

NOTE:  
REFER TO ELECTRICAL DRAWING FOR DETAILED WIRING DIAGRAM OF COMBINATION SMOKE/FIRE DAMPER.

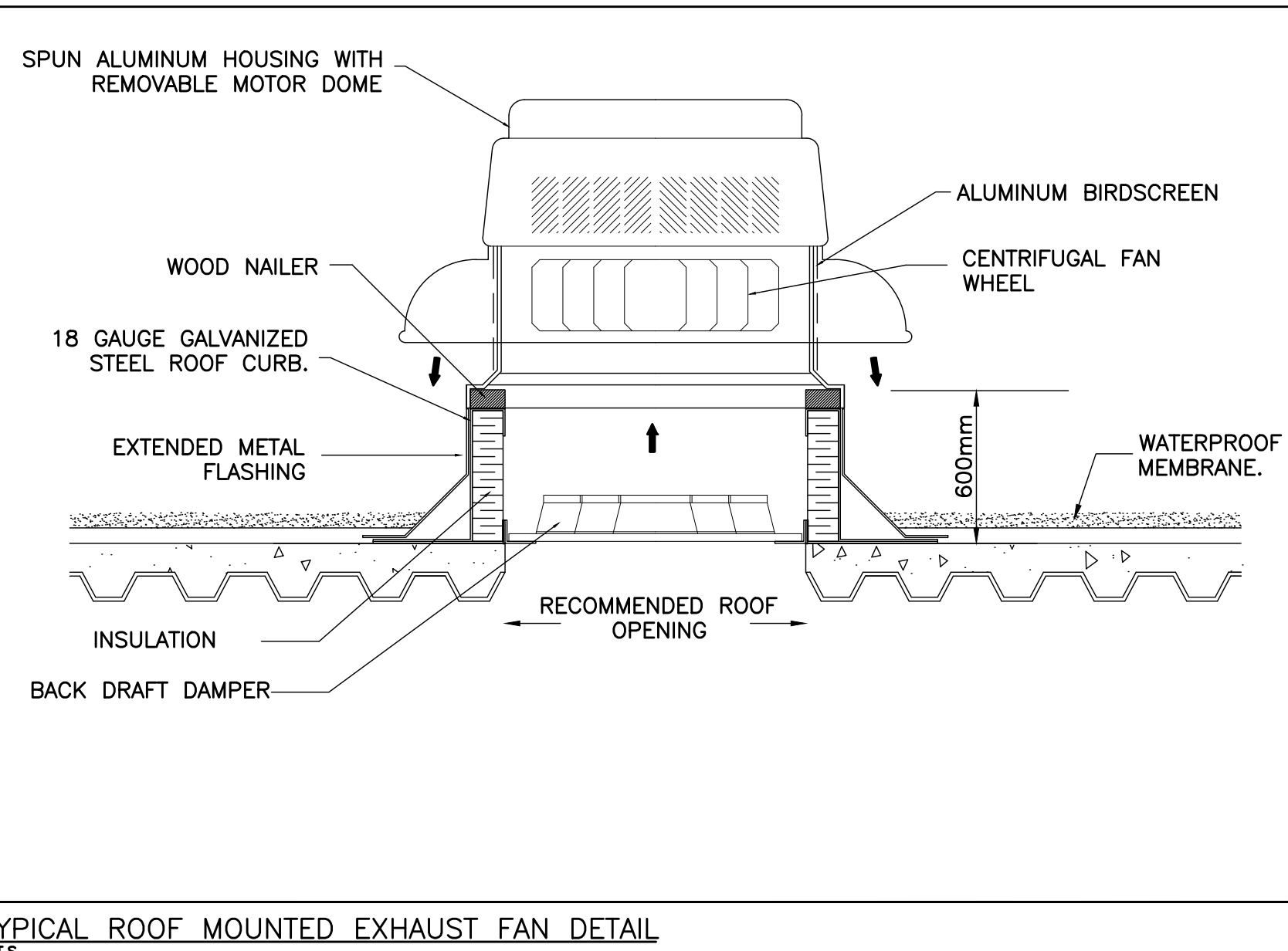
LISTING: UL555 AND UL555S AND CAN/ULC-S112.1  
1.5HR RATING  
LEAKAGE CLASS 1  
DYNAMIC RATED DAMPER



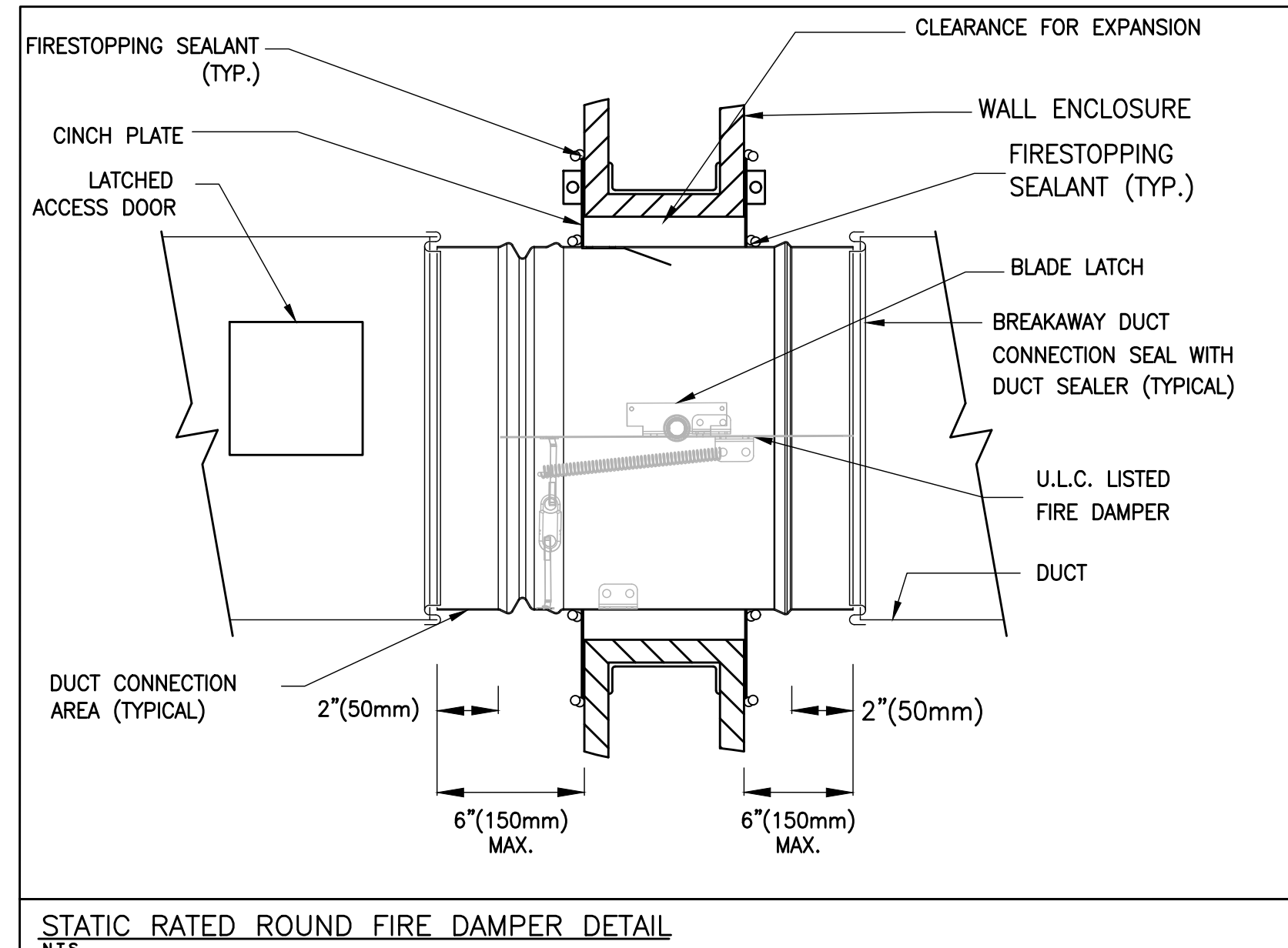
COMBINATION SMOKE/FIRE DAMPER SCHEDULE OF RESPONSIBILITY

MECHANICAL CONTRACTOR SCOPE	ELECTRICAL CONTRACTOR SCOPE
SUPPLY AND INSTALL SMOKE AND FIRE DAMPER WITH DUCT SLEEVE SMOKE AND FIRE DAMPER UNIT HAS FACTORY MOUNTED DUCT SMOKE DETECTOR, ELECTRIC RESETTABLE FUSE LINK, ACTUATOR, DAMPER TEST SWITCH WITH INDICATING LIGHTS FOR DAMPER OPEN/CLOSE POSITIONS	WIRE DUCT SMOKE DETECTOR TO FIRE ALARM PANEL WIRE SMOKE FIRE DAMPER AT SINGLE POINT

COMBINATION SMOKE/FIRE DAMPER DETAIL  
N.T.S.



TYPICAL ROOF MOUNTED EXHAUST FAN DETAIL  
N.T.S.



STATIC RATED ROUND FIRE DAMPER DETAIL  
N.T.S.

INDOOR ERV UNIT SCHEDULE

TAG	MANUF.	MODEL	SERVICE	DUCT HEATER	FRESH AIR FLOW		SENS EFF %	TOTAL EFF % WINTER/SUMMER	ELECTRICAL			WEIGHTS (LBS)	REMARKS
					CFM	ESP			V/PH/Hz	FLA	MCA		
ERV-1	RENEWAIRE	EV PREMIUM M	NEW SEMINAR ROOM	DH-1	75	0.5	69	67/49	120V/ 1/ 60	1.22	10	36	SEE NOTES BELOW

NOTES:  
1. c/w EXHAUST AIR, OUTDOOR AIR BACK DRAFT DAMPERS & DEFROST CONTROL, MERV8 FILTERS, 1kW DUCT HEATER. REFER TO DUCT HEATER SCHEDULE.  
2. ERV SHALL BE OPERATED THROUGH OCCUPANCY SENSOR, OCCUPANCY SENSOR BY ELECTRICAL. SHALL BE INTEGRATED WITH BASE BUILDING BAS SYSTEM.  
3. ACCEPTABLE EQUIVALENT: ALDES

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JUNE 16 2023

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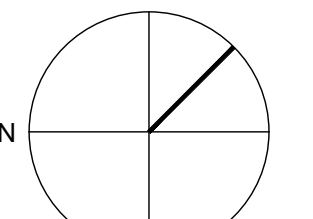
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PROJECT

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H.S. RENOVATIONS

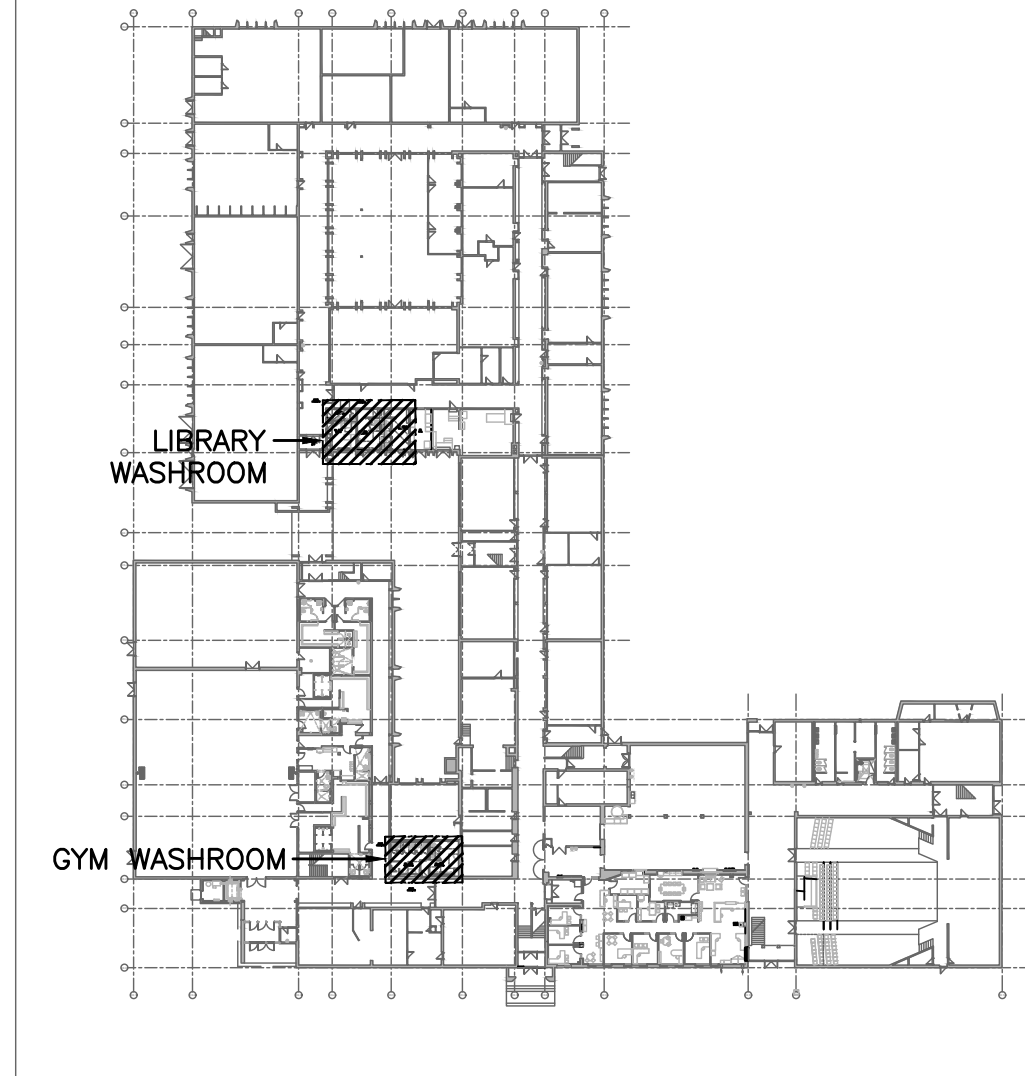
1433 Baldwin Street Burlington, ON

DRAWN	PROJECT NO.
S.V.	2005
CHECKED	ENG PROJECT NO.
D.H.	23008
SCALE	AS NOTED

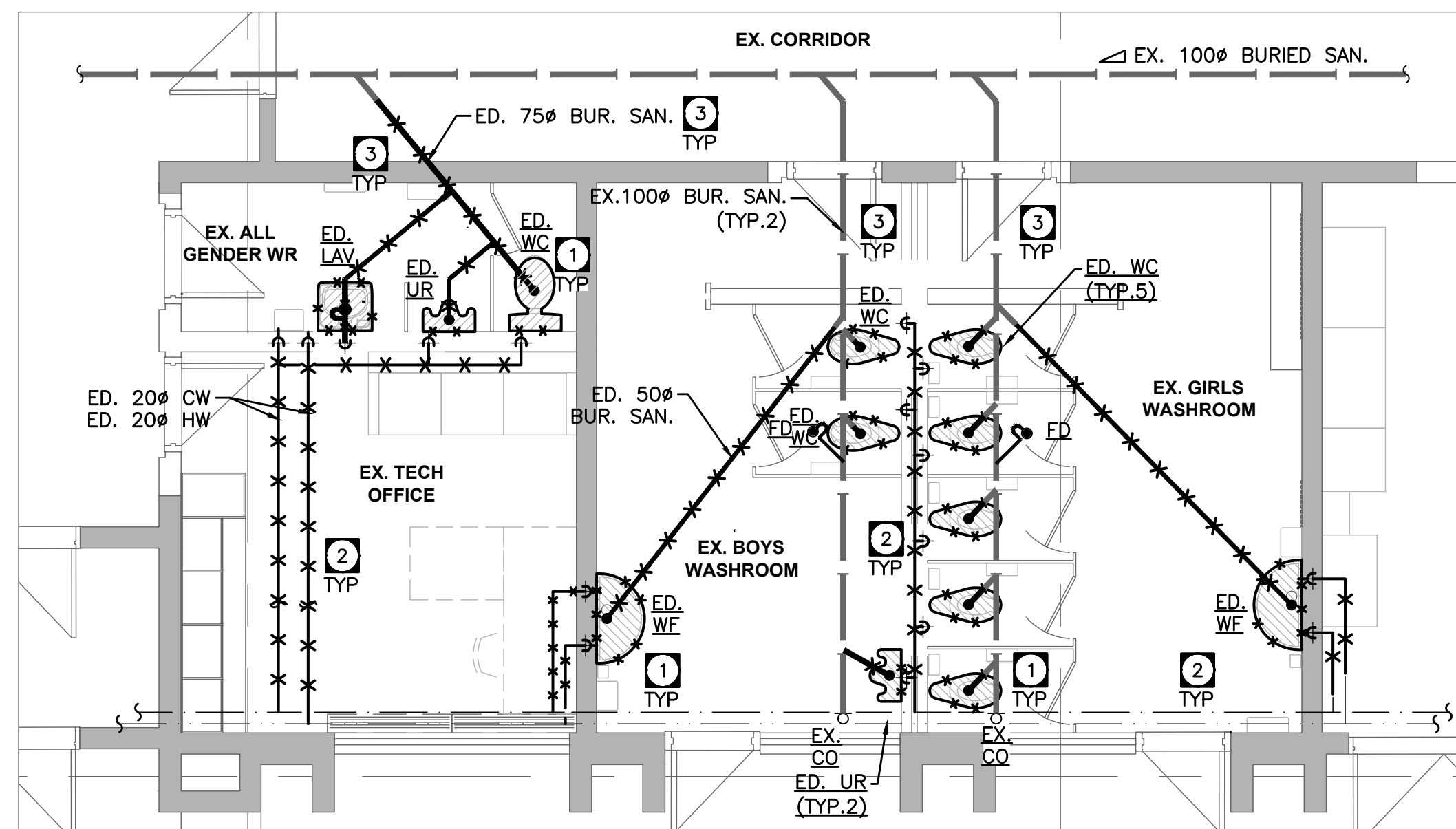
DRAWING

MECHANICAL  
DETAILS &  
SCHEDULES

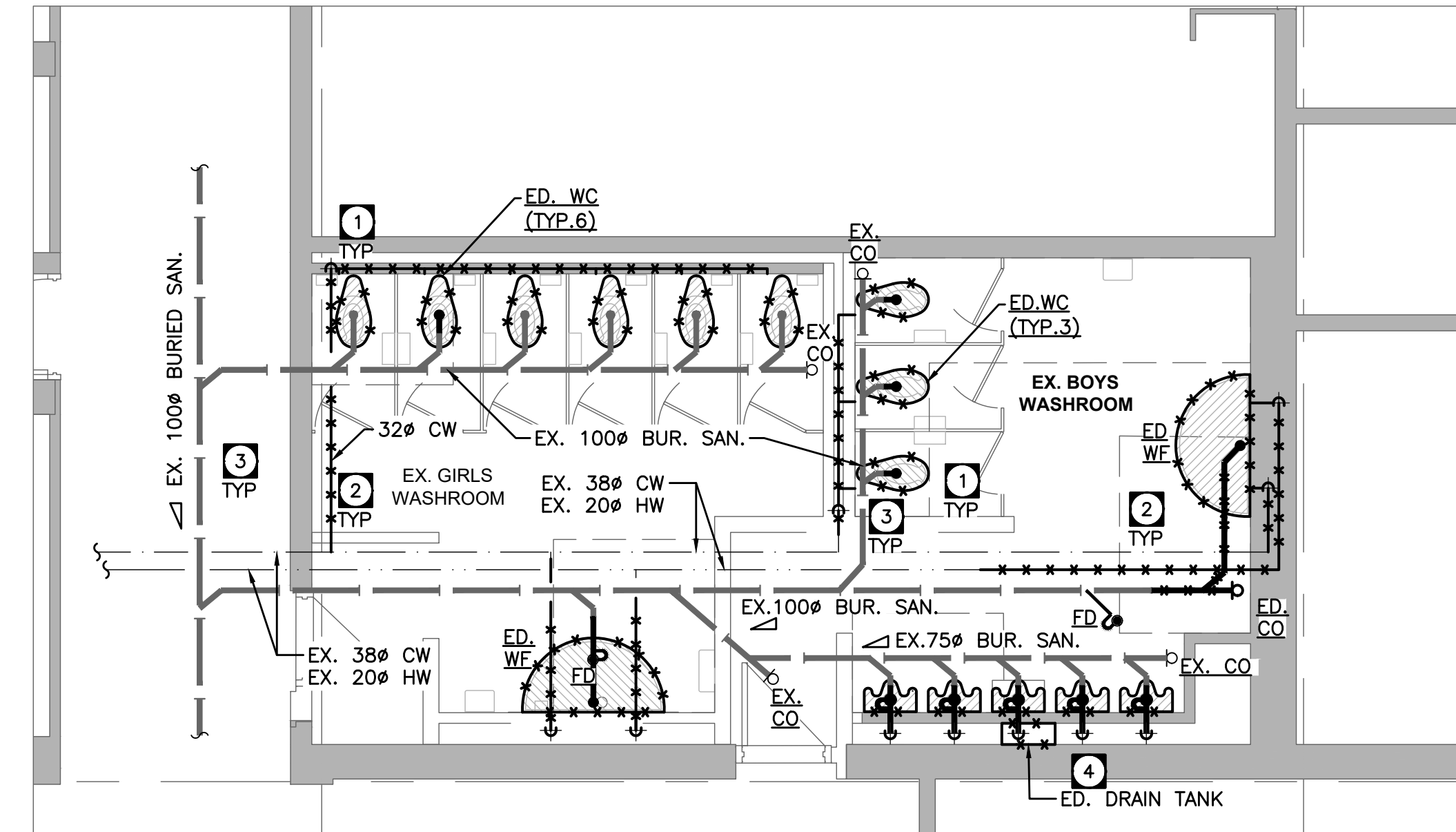
M1.4



**KEY PLAN**  
SCALE: 1:1000



**LIBRARY WASHROOMS**  
SCALE: 1:50



**GYM WASHROOMS**  
SCALE: 1:50

**GENERAL NOTES:**

- A. THIS DRAWING DOES NOT SHOW ALL HIDDEN OR CONCEALED PIPING, DUCTS, PLUMBING AND EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL VISIT THE SITE AND MAKE THEIR OWN EVALUATION AND ESTIMATE OF THE EXTEND AND MAGNITUDE OF THE WORK INVOLVED PRIOR TO SUBMITTING PROPOSAL.
- B. THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM AS-BUILT DRAWINGS. THIS INFORMATION MUST NOT ASSUMED TO BE COMPLETE OR UP-TO-DATE. THIS MECHANICAL CONTRACTOR SHALL CARRYOUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE, LOCATION, DIRECTION OF FLOW AND INVERTS OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORK. REPORT ANY DISCREPANCIES TO THE PROJECT MANAGER.
- C. THIS CONTRACTOR TO CARRY AN ALLOWANCE IN TENDER FOR PROBABLE MINIMUM 30 METERS (100'-0") DISTANCE FOR NEW SERVICES CONNECTION TO SUITABLE EXISTING SERVICES.
- D. CONTRACTOR SHALL SCAN FLOOR FOR EXACT LOCATION OF SANITARY PIPING AND FOR ANY INTERFERENCE BEFORE CORE DRILLING THE FLOOR. NO EXTRAS WILL BE ALLOWED FOR ANY NEGLIGENCE. COORDINATE WITH GENERAL CONTRACTOR FOR CUTTING AND PATCHING OF WALLS AND FLOORS.
- E. TEMPORARILY REMOVE AND/OR RELOCATE ALL EXISTING BUILDING SERVICES THAT ARE IN THE WAY OF MECHANICAL WORK BEING PERFORMED AND REINSTATE EXISTING SERVICES ONCE MECHANICAL WORK HAS BEEN COMPLETED.
- F. ALL PLUMBING WORK TO CONFORM TO ONTARIO BUILDING CODE, PROVIDE COMPLETE VENT SYSTEM TO MEET SECTION 7 OF ONTARIO BUILDING CODE.
- G. REVISE ANY 3" Ø TO 4" Ø @ 1.0% SLOPE IF THERE IS A PROBLEM FOR INVERT OF SANITARY PIPE.
- H. CONTRACTOR SHALL INCLUDE FREEZING OF EXISTING PIPES FOR CONNECTION TO EXISTING SYSTEM.
- I. REVIEW DRAWINGS BEFORE COMMENCING WITH DEMOLITION WORK
- J. REMOVE ALL EQUIPMENT, PIPING, STEEL SUPPORTS, CONTROLS, PLUMBING MATERIAL, HOUSE KEEPING PAD, SHOWN APPROXIMATELY WITH HEAVY 'X' MARKED LINES THROUGHOUT (UNLESS OTHERWISE INDICATED)
- K. REFER TO ARCHITECTURAL DRAWINGS FOR WALL REPAIR DETAIL UNLESS NOTED OTHERWISE.
- L. CONTRACTOR SHALL INCLUDE FREEZING OF EXISTING LINES AS REQUIRED TO COMPLETE THE NEW SCOPE OF WORK. PIPE FREEZING SHALL BE COORDINATED WITH SCHOOL BOARD TO AVOID INTERRUPTION TO EXISTING SERVICES.
- M. REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD.
- N. REMOVE ALL DEBRIS AND CLEAN FROM SITE DAILY.

**DRAWING NOTES:**

- 1. DEMOLISH PLUMBING FIXTURE c/w FAUCETS, ALL ASSOCIATED PIPING & ACCESSORIES; CAP BURIED SERVICES BELOW FLOOR AND ABOVE GROUND SERVICES (HW, CW & VENT) AT CEILING LEVEL. COORDINATE FLOOR FINISH WITH ARCH.
- 2. APPROXIMATE LOCATION OF EXISTING DOMESTIC HOT & COLD WATER LINE(S) IN CEILING SPACE. EXACT LOCATION & SIZE OF EXISTING LINE(S) TO BE DETERMINED ON SITE PRIOR TO COMMENCEMENT OF WORK.
- 3. APPROXIMATE LOCATION OF EXISTING SANITARY PIPE. MECHANICAL CONTRACTOR SHALL X-RAY EXISTING FLOOR TO DETERMINE THE EXACT LOCATION, SIZE AND DIRECTION OF FLOW PRIOR TO ANY CHANGES TO EXISTING SLAB, CONTRACTOR MUST CARRY ALLOWANCE FOR ADDITIONAL PIPING (MIN. 10FT.) MATERIAL TO MAKE CONNECTIONS AS REQUIRED.
- 4. DEMOLISH DRAIN TANK AT H/L c/w ALL ASSOCIATED ACCESSORIES AND CONTROLS; DEMOLISH CONNECTED PIPING BACK TO MAIN AND CAP.

RECEIVED

JUNE 16 2023

CITY OF BURLINGTON  
BUILDING DEPARTMENT

ALL CONSTRUCTION TO  
MEET ONTARIO BUILDING  
CODE REQUIREMENTS

CLIENT

Halton District School Board  
2050 Guelph Line  
Burlington, Ontario

ARCHITECT

snyder

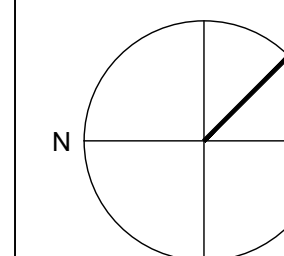
Snyder Architects Inc.  
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CONSTRUCTION NORTH



PROFESSIONAL STAMP



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2.	ISSUED FOR PERMIT/ CCO#7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28
<b>NO.</b>	<b>DESCRIPTION</b>	<b>DATE</b>

**REVISION SCHEDULE**

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PROJECT

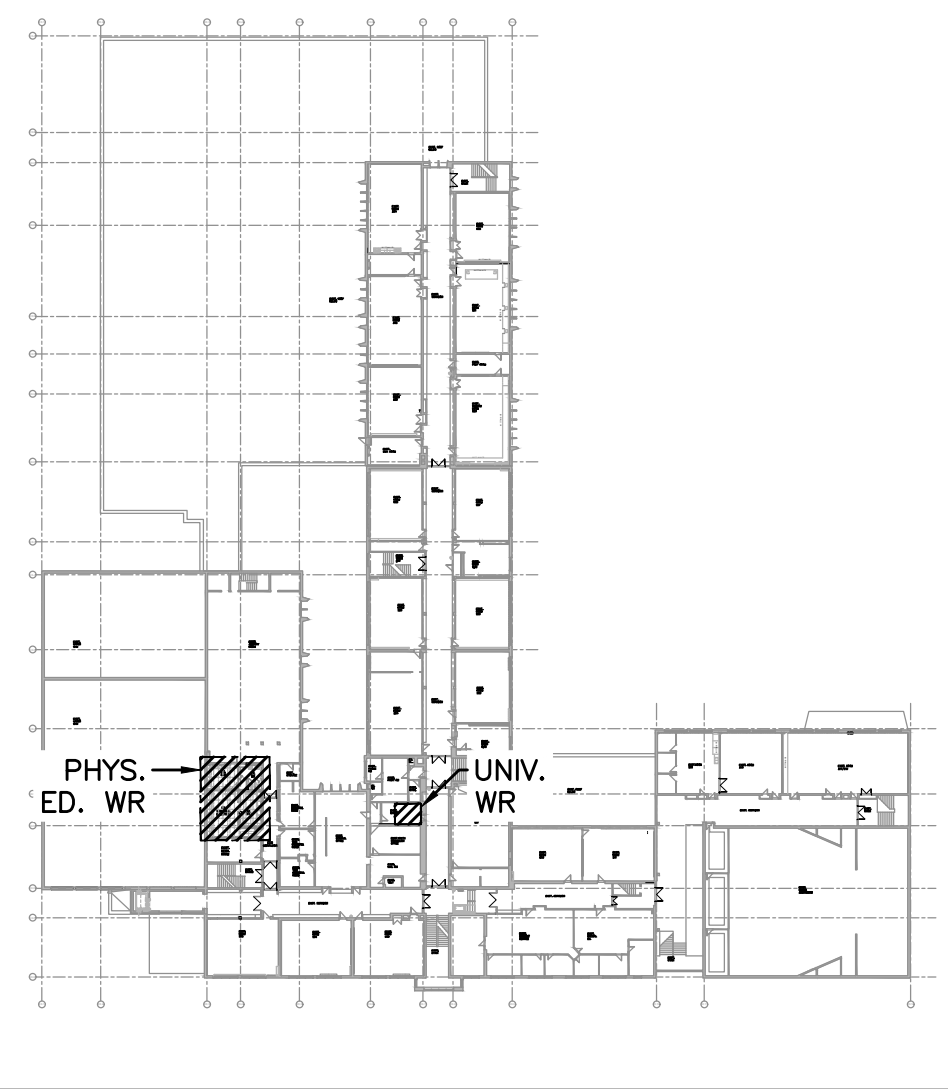
BURLINGTON CENTRAL  
H.S. RENOVATIONS

1433 Baldwin Street Burlington, ON

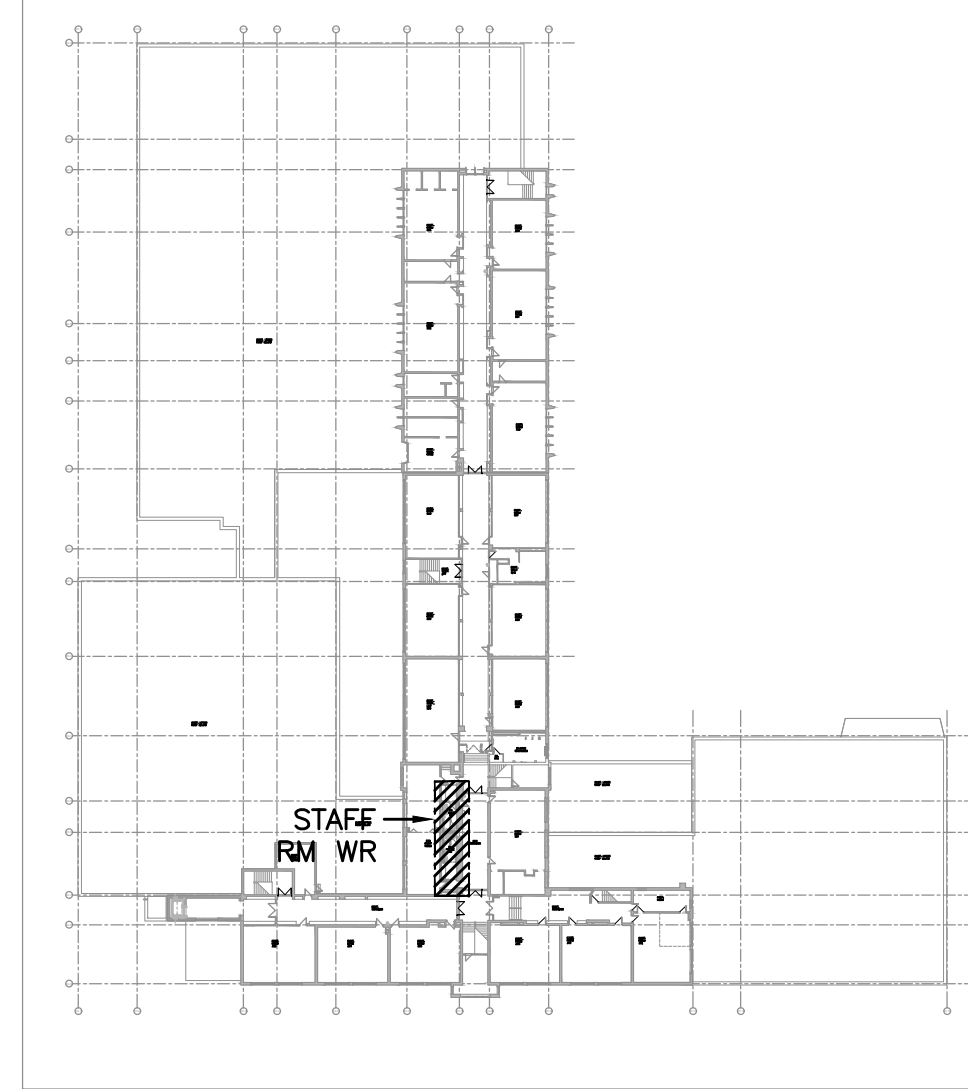
DRAWN	PROJECT NO
S.V.	2005
CHECKED	ENG PROJECT NO.
D.H.	23008
SCALE	
AS NOTED	

DRAWING

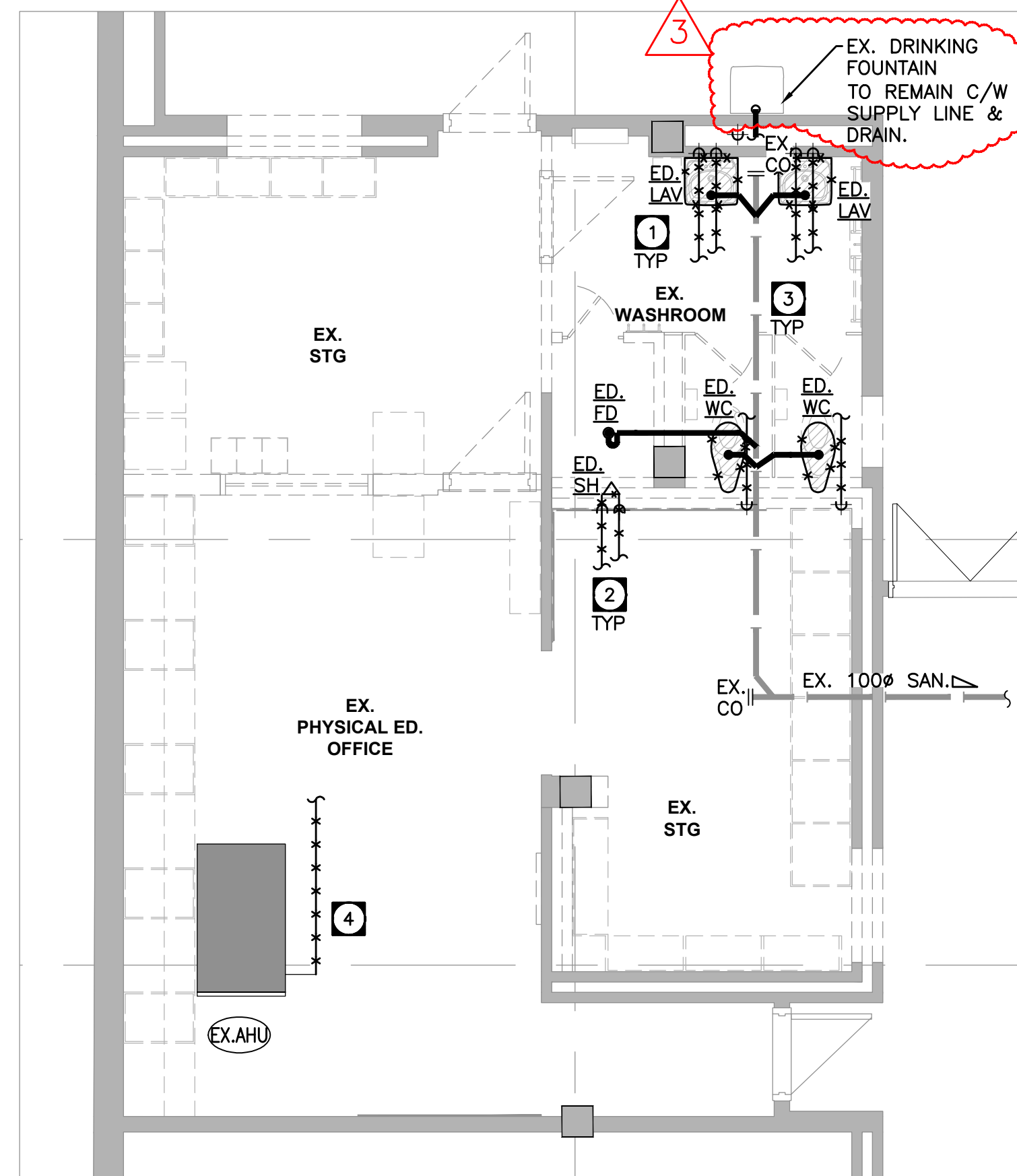
FIRST FLOOR- PLUMBING  
DEMOLITION LAYOUT



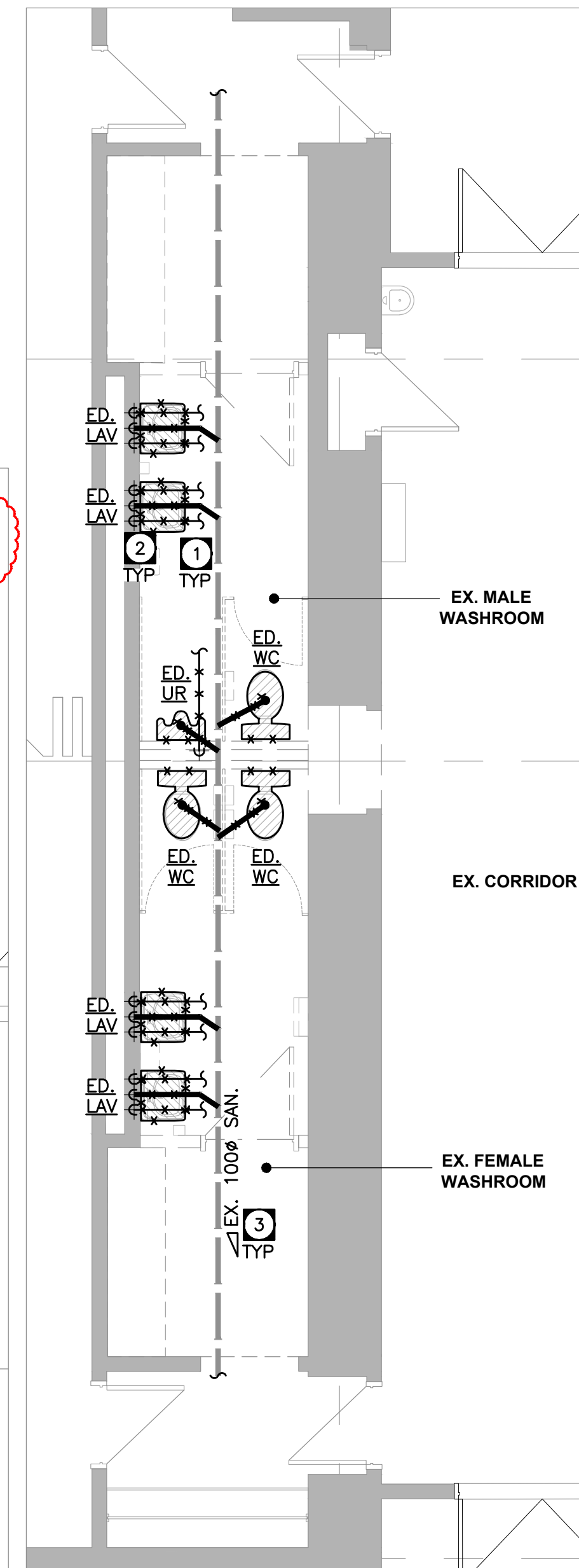
SECOND FLOOR KEY PLAN  
SCALE: 1:1000



THIRD FLOOR KEY PLAN  
SCALE: 1:1000



SECOND FLOOR PHYS. ED. WASHROOM  
SCALE: 1:50



THIRD FLOOR STAFF RM WASHROOM  
SCALE: 1:50

GENERAL NOTES:

- A. THIS DRAWING DOES NOT SHOW ALL HIDDEN OR CONCEALED PIPING, DUCTS, PLUMBING AND EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL VISIT THE SITE AND MAKE THEIR OWN EVALUATION AND ESTIMATE OF THE EXTEND AND MAGNITUDE OF THE WORK INVOLVED PRIOR TO SUBMITTING PROPOSAL.
- B. THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM AS-BUILT DRAWINGS. THIS INFORMATION MUST NOT ASSUMED TO BE COMPLETE OR UP-TO-DATE. THIS MECHANICAL CONTRACTOR SHALL CARRYOUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE, LOCATION, DIRECTION OF FLOW AND INVERTS OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORK. REPORT ANY DISCREPANCIES TO THE PROJECT MANAGER.
- C. THIS CONTRACTOR TO CARRY AN ALLOWANCE IN TENDER FOR PROBABLE MINIMUM 30 METERS (100'-0") DISTANCE FOR NEW SERVICES CONNECTION TO SUITABLE EXISTING SERVICES.
- D. CONTRACTOR SHALL SCAN FLOOR FOR EXACT LOCATION OF SANITARY PIPING AND FOR ANY INTERFERENCE BEFORE CORE DRILLING THE FLOOR. NO EXTRAS WILL BE ALLOWED FOR ANY NEGLIGENCE. COORDINATE WITH GENERAL CONTRACTOR FOR CUTTING AND PATCHING OF WALLS AND FLOORS.
- E. TEMPORARILY REMOVE AND/OR RELOCATE ALL EXISTING BUILDING SERVICES THAT ARE IN THE WAY OF MECHANICAL WORK BEING PERFORMED AND REINSTATE EXISTING SERVICES ONCE MECHANICAL WORK HAS BEEN COMPLETED.
- F. ALL PLUMBING WORK TO CONFORM TO ONTARIO BUILDING CODE, PROVIDE COMPLETE VENT SYSTEM TO MEET SECTION 7 OF ONTARIO BUILDING CODE.
- G. REVISE ANY 3"Ø TO 4"Ø @ 1.0% SLOPE IF THERE IS A PROBLEM FOR INVERT OF SANITARY PIPE.
- H. CONTRACTOR SHALL INCLUDE FREEZING OF EXISTING PIPES FOR CONNECTION TO EXISTING SYSTEM.
- I. REVIEW DRAWINGS BEFORE COMMENCING WITH DEMOLITION WORK
- J. REMOVE ALL EQUIPMENT, PIPING, STEEL SUPPORTS, CONTROLS, PLUMBING MATERIAL, HOUSE KEEPING PAD, SHOWN APPROXIMATELY WITH HEAVY 'X' MARKED LINES THROUGHOUT (UNLESS OTHERWISE INDICATED)
- K. REFER TO ARCHITECTURAL DRAWINGS FOR WALL REPAIR DETAIL UNLESS NOTED OTHERWISE.
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- M. REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD.
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DRAWING NOTES:

- 1 DEMOLISH PLUMBING FIXTURE c/w FAUCETS, ALL ASSOCIATED PIPING & ACCESSORIES; CAP SANITARY SERVICES BELOW FLOOR AND ABOVE FLOOR SERVICES (HW, CW & VENT) AT CEILING LEVEL. COORDINATE FLOOR FINISH WITH ARCH.
- 2 APPROXIMATE LOCATION OF EXISTING DOMESTIC HOT & COLD WATER LINE(S) IN CEILING SPACE. EXACT LOCATION OF EXISTING LINE(S) TO BE DETERMINED ON SITE PRIOR TO COMMENCEMENT OF WORK.
- 3 APPROXIMATE LOCATION OF EXISTING SANITARY PIPE BELOW FLOOR SLAB, EXACT LOCATION, SIZE AND DIRECTION OF FLOW TO BE DETERMINED ON SITE PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR MUST CARRY ALLOWANCE FOR ADDITIONAL PIPING (MIN. 10FT.) MATERIAL TO MAKE CONNECTIONS AS REQUIRED.
- 4 DEMOLISH CONDENSATE LINE FROM EXISTING AHU TO TERMINATION POINT (SHOWER) c/w ALL SUPPORTS AND ACCESSORIES.

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ALL CONSTRUCTION TO  
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2050 Guelph Line  
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ARCHITECT

snyder

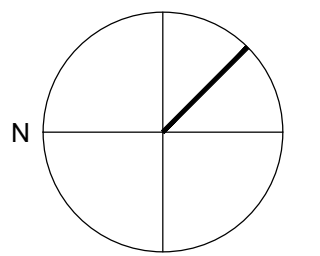
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PROFESSIONAL STAMP



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NO.	DESCRIPTION	DATE
3.	RE-ISSUED FOR PERMIT	23.08.08
2.	ISSUED FOR PERMIT/ CCO#7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

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PROJECT

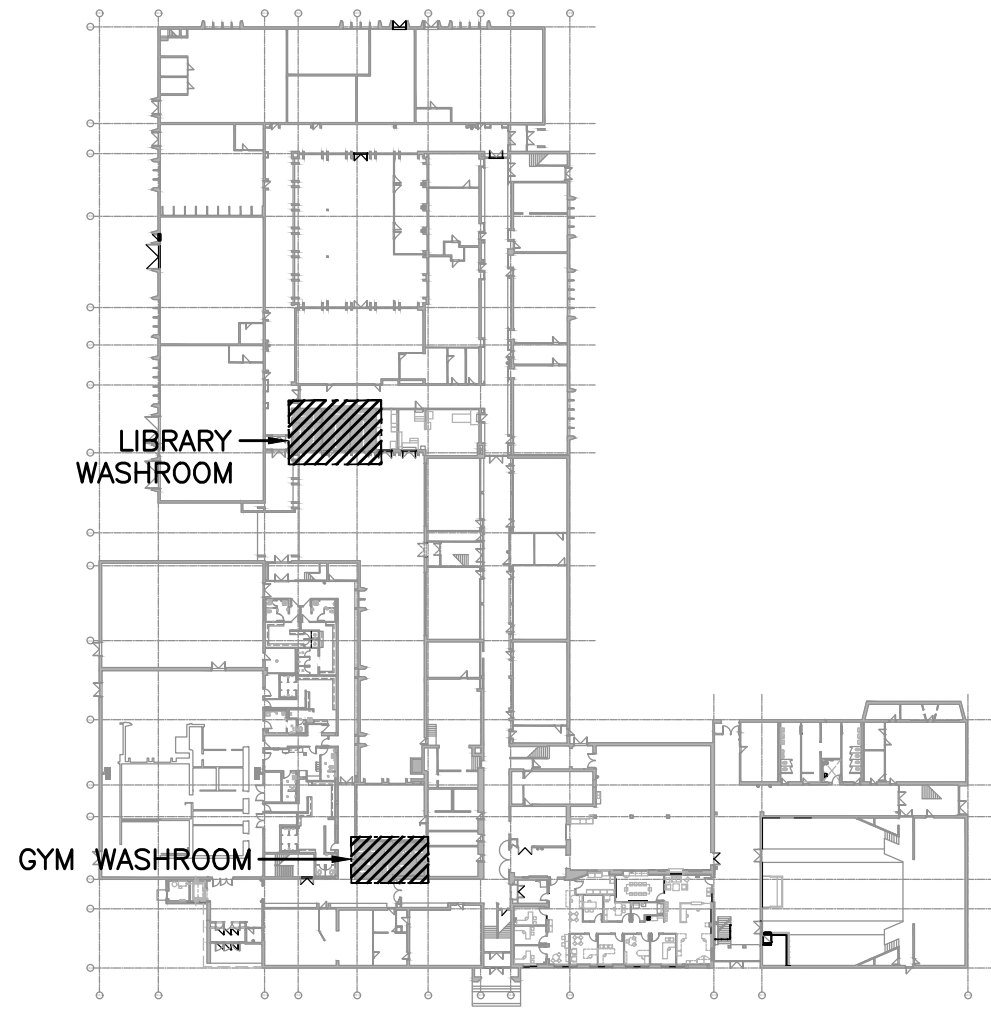
BURLINGTON CENTRAL  
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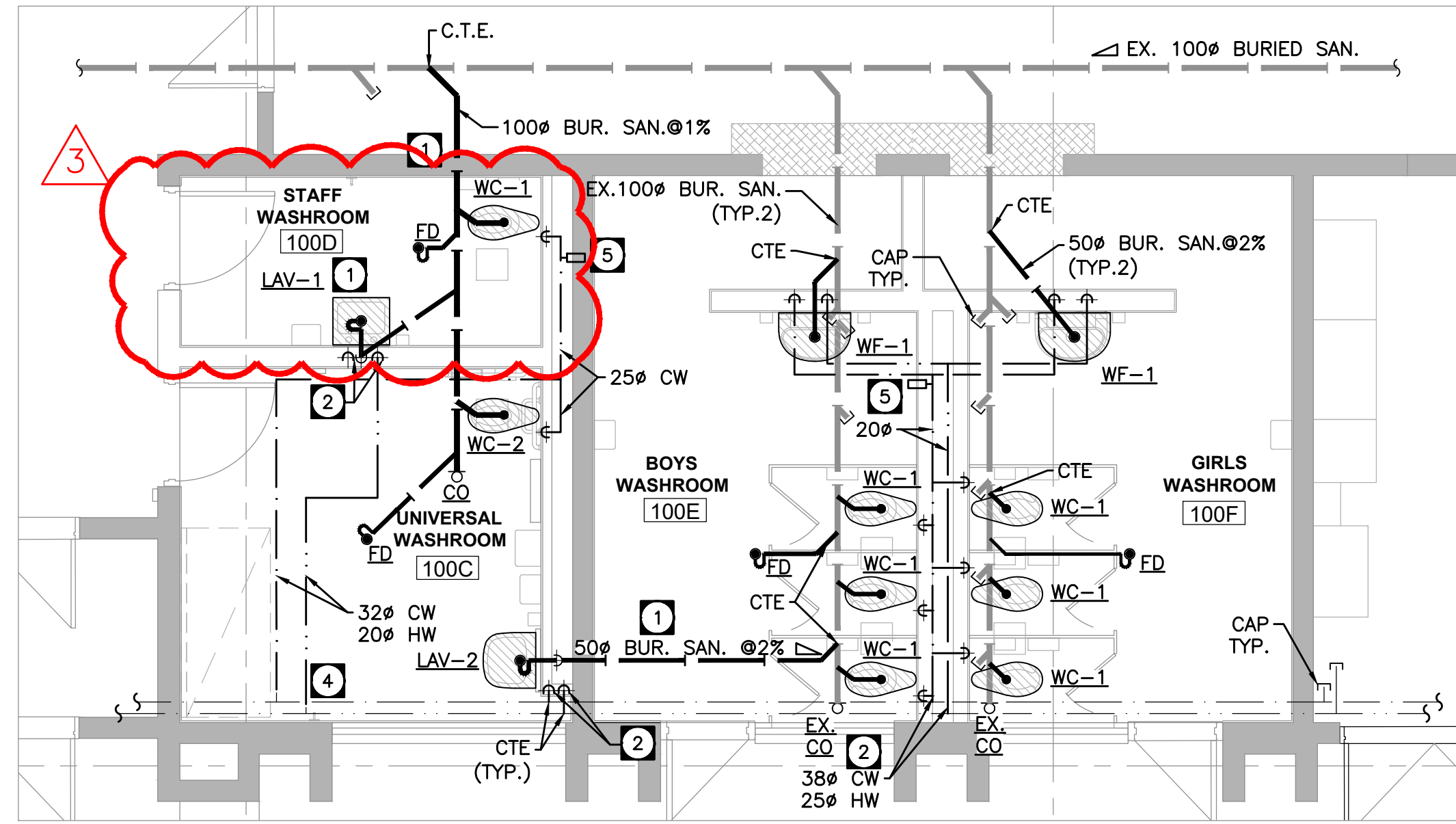
DRAWN S.V.	PROJECT NO 2005
CHECKED D.H.	ENG PROJECT NO. 23008
SCALE AS NOTED	

DRAWING

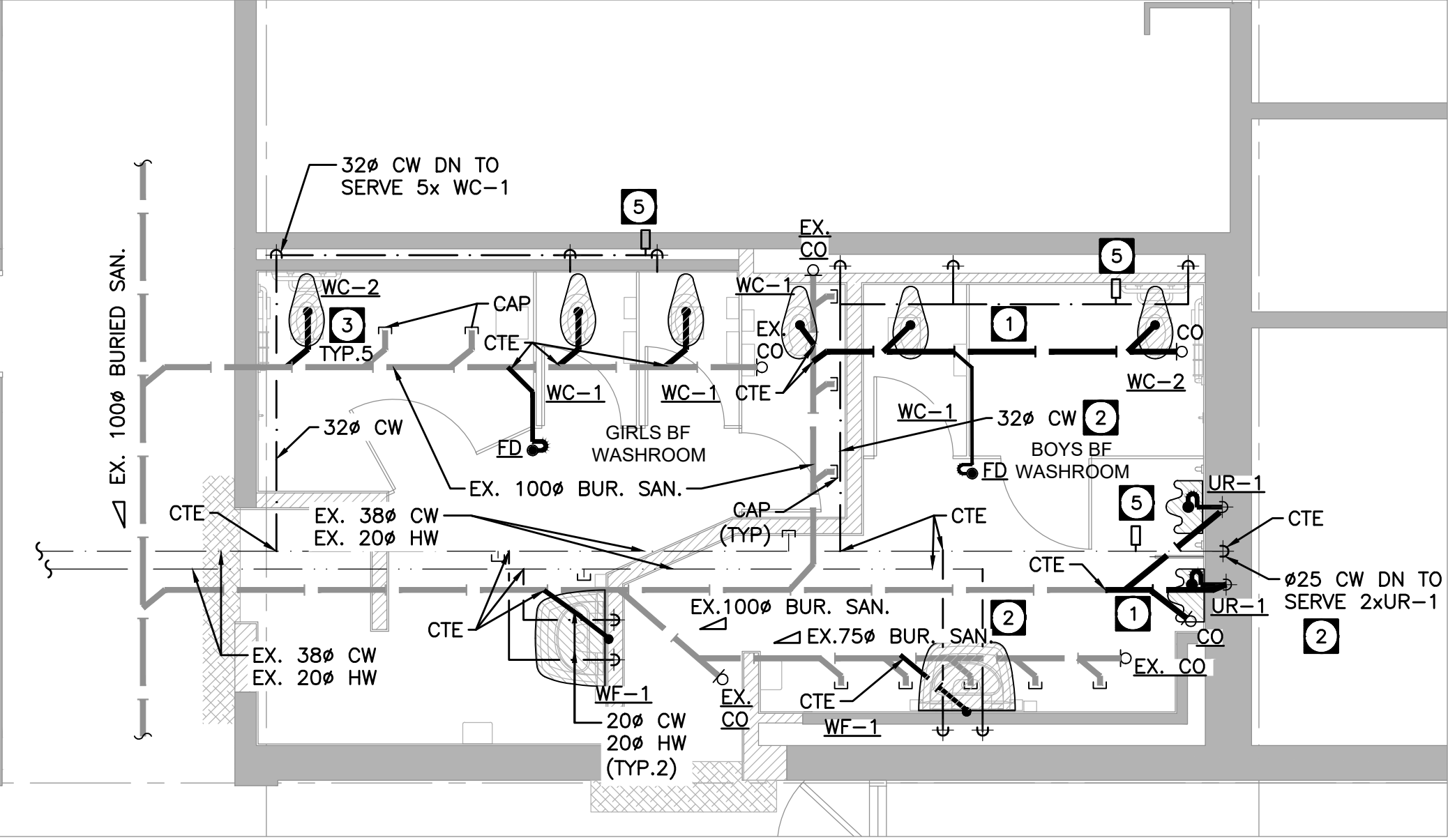
SECOND & THIRD  
FLOOR- PLUMBING  
DEMOLITION LAYOUT



**KEY PLAN**  
SCALE: 1:1000



**LIBRARY WASHROOMS**  
SCALE: 1:50



**GYM WASHROOMS**  
SCALE: 1:50

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**Halton District School Board**  
2050 Guelph Line  
Burlington, Ontario

ARCHITECT

**sn/der**

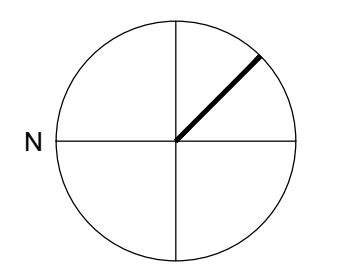
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2. THIS CONTRACTOR TO CARRY AN ALLOWANCE IN TENDER FOR PROBABLE MINIMUM 30 METERS (100'-0") DISTANCE FOR NEW SERVICES CONNECTION TO SUITABLE EXISTING SERVICES.
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5. ALL PLUMBING WORK TO CONFORM TO ONTARIO BUILDING CODE, PROVIDE COMPLETE VENT SYSTEM TO MEET SECTION 7 OF ONTARIO BUILDING CODE. **Div. B.7.5.**
6. **SANITARY DRAINAGE AND VENT PIPING ABOVE GRADE SHALL BE CERTIFIED TO CAN/CSA-B181.2 "PVC DRAIN, WASTE, AND VENT PIPE AND PIPE FITTINGS". DOMESTIC HOT AND COLD WATER PIPING SHALL BE TYPE "L" HARD COPPER TUBING WITH SOLDERED FITTINGS.**
7. **IPEX SYSTEM XFR 15-50 PIPE AND FITTINGS c/w APPROVED FIRE STOPS IN AREA WHERE THE CEILING SPACE IS UTILIZED AS RETURN AIR PLENUM.**
8. COORDINATE PIPES WITH HVAC DUCTWORK, ELECTRICAL AND STRUCTURAL, OFFSET AS REQUIRED.
9. PROVIDE FIRE STOPS TO APPROVED STANDARDS FOR ALL PIPING PENETRATIONS AT RATED WALLS.
10. REVISE ANY 3"Ø TO 4"Ø @ 1.0% SLOPE IF THERE IS A PROBLEM FOR INVERT OF SANITARY PIPE.
11. ALL EQUIPMENT WITH WATER CONNECTIONS TO BE INSTALLED WITH SILICONE SEAL BETWEEN EQUIPMENT AND WALL AND/OR FLOOR. ALL SILICONE SEALS TO BE BY GENERAL CONTRACTOR AFTER EQUIPMENT IN FINAL LOCATION.
12. PROVIDE ISOLATION VALVES TO DOMESTIC HOT & COLD WATER LINES TO ALL NEW PLUMBING FIXTURES. PROVIDE BACKFLOW PREVENTION DEVICES ON ALL APPLICABLE PLUMBING FIXTURES AS PER APPROPRIATE CODES AND STANDARDS.
13. RUN ALL WATER LINES IN CEILING SPACE UNLESS OTHERWISE NOTED. DO NOT RUN WATER PIPES IN EXTERIOR WALLS.
14. INSULATE ALL NEW AND EXISTING DOMESTIC HOT/COLD WATER PIPES WITH MINIMUM 12mm THICK INSULATION EXCEPT PIPING PERIMETER WALL WHICH REQUIRES 25mm COVER EXPOSED PIPES WITH PVC JACKETS. INSULATE CONDENSATE DRAIN PIPE WITH MINIMUM 12mm THICK INSULATION.
15. ALL MECHANICAL EQUIPMENT AND FIXTURES SHALL BE INSTALLED WITH THE MINIMUM REQUIRED CLEARANCES FOR SAFETY, ACCESS, AND MAINTENANCE AS PER THE MOST STRINGENT OF:  
1- MANUFACTURER'S RECOMMENDATIONS, AND  
2- DIMENSIONED DESIGN DRAWINGS
16. CONTRACTOR SHALL INCLUDE FREEZING OF EXISTING PIPES FOR CONNECTION TO EXISTING SYSTEM.

**DRAWING NOTES:**

- 1 PROVIDE BURIED SANITARY LINE TO SERVE NEW PLUMBING FIXTURE. MECHANICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR TO RUN NEW SANITARY LINE AND PROVIDE CONNECTION TO EXISTING. COORDINATE LOCATION WITH ARCH. PLANS. PROVIDE VENTING AS PER OBC.
- 2 PROVIDE INSULATED HW & CW PIPING FROM EXISTING SERVICES AT CEILING LEVEL TO SERVE NEW PLUMBING FIXTURES. PROVIDE ISOLATION VALVES, SUPPORTS AND RUN PIPING CONCEALED WITHIN THE WALL.
- 3 RECONNECT EXISTING SANITARY AND DOMESTIC COLD WATER LINES TO SERVE NEW WATER CLOSET.
- 4 EXTEND NEW INSULATED 38Ø CW & 20Ø HW TO SUITABLE EXISTING LINE. SITE VERIFY EXACT TIE-IN LOCATION.
- 5 PROVIDE WATER HAMMER ARRESTER IN COLD WATER LINE AND INSTALL AS PER MANUFACTURER WRITTEN INSTRUCTION.

NO.	DESCRIPTION	DATE
3.	RE-ISSUED FOR PERMIT	23.08.08
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PROJECT

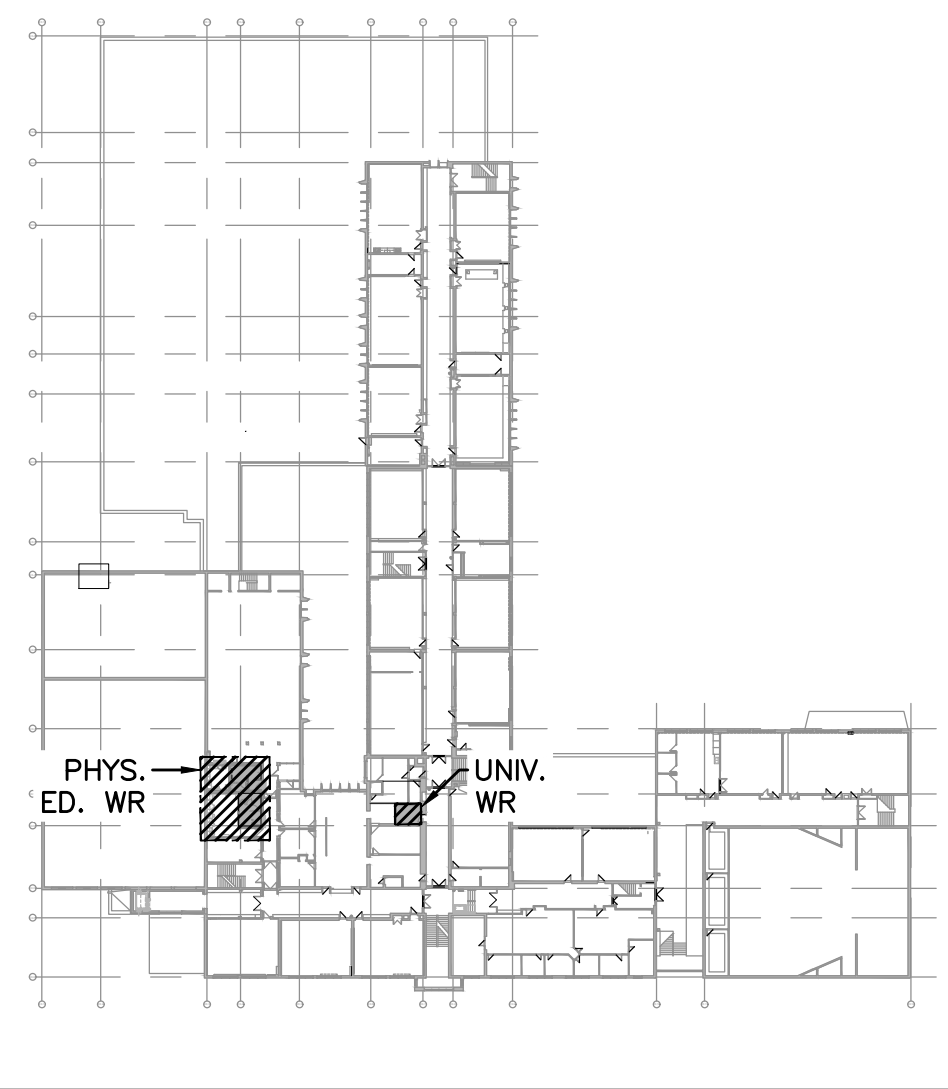
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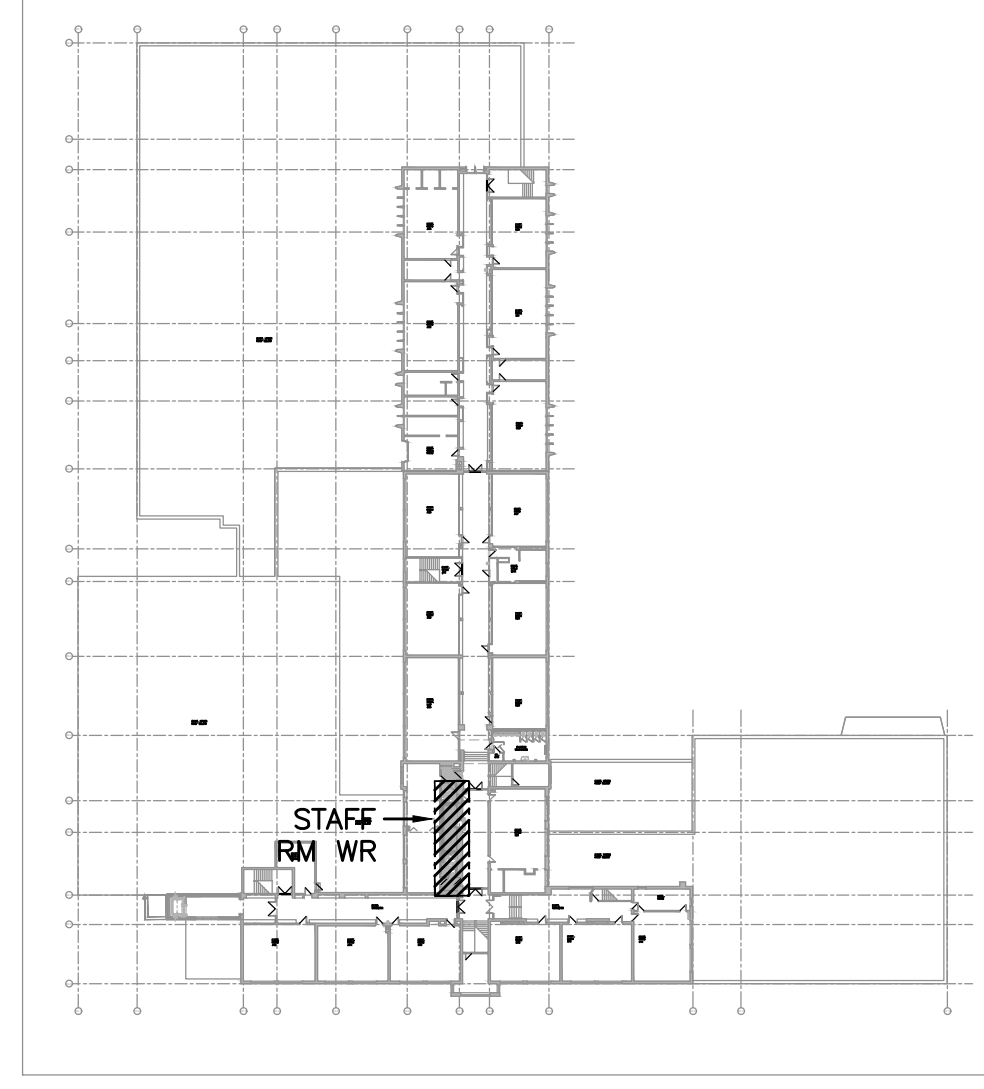
DRAWN	PROJECT NO
S.V.	2005
CHECKED	ENG PROJECT NO.
D.H.	23008
SCALE	AS NOTED

DRAWING

**FIRST FLOOR- PLUMBING  
NEW LAYOUT**



SECOND FLOOR KEY PLAN  
SCALE: 1:1000



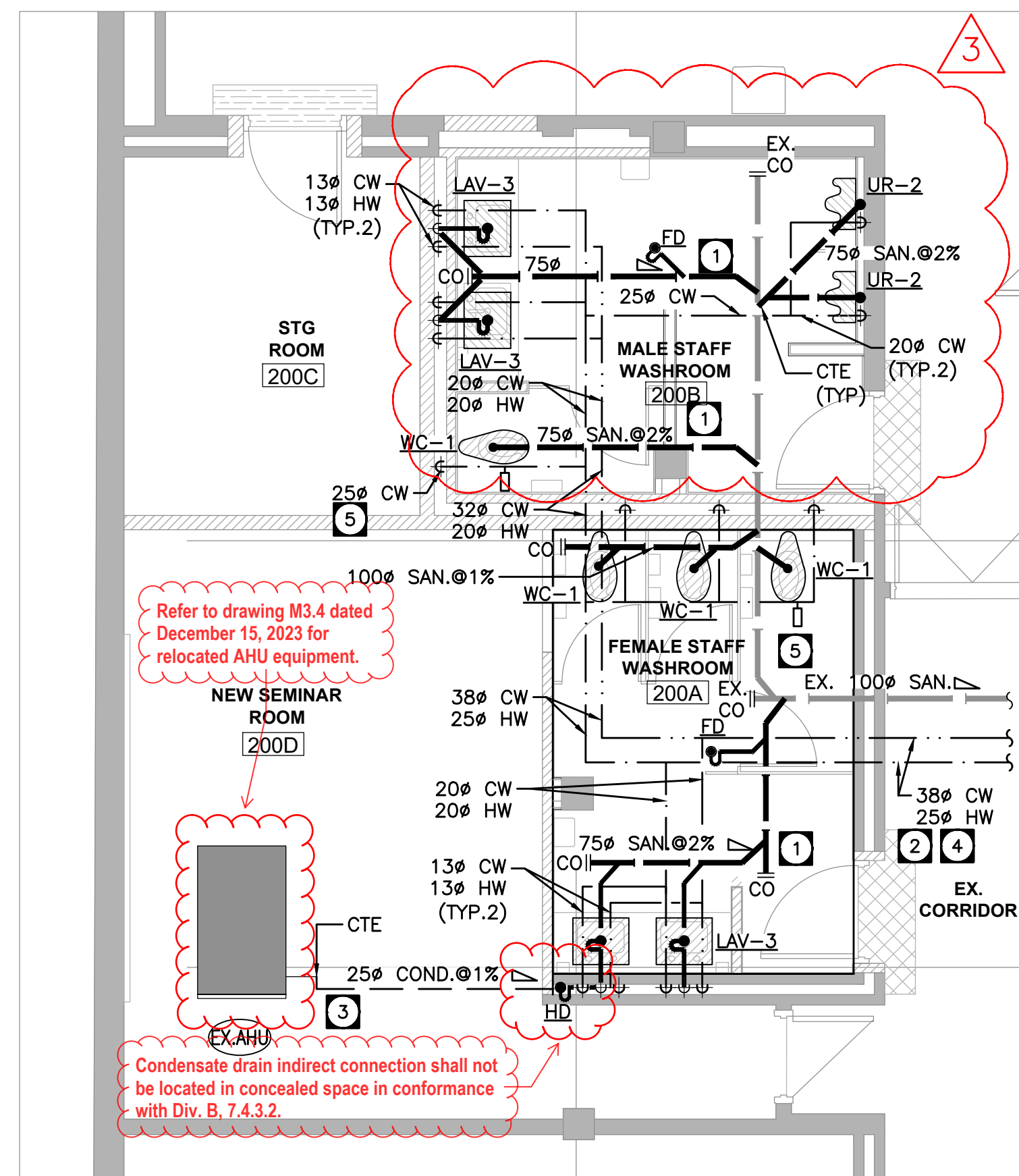
THIRD FLOOR KEY PLAN  
SCALE: 1:1000

GENERAL NOTES:

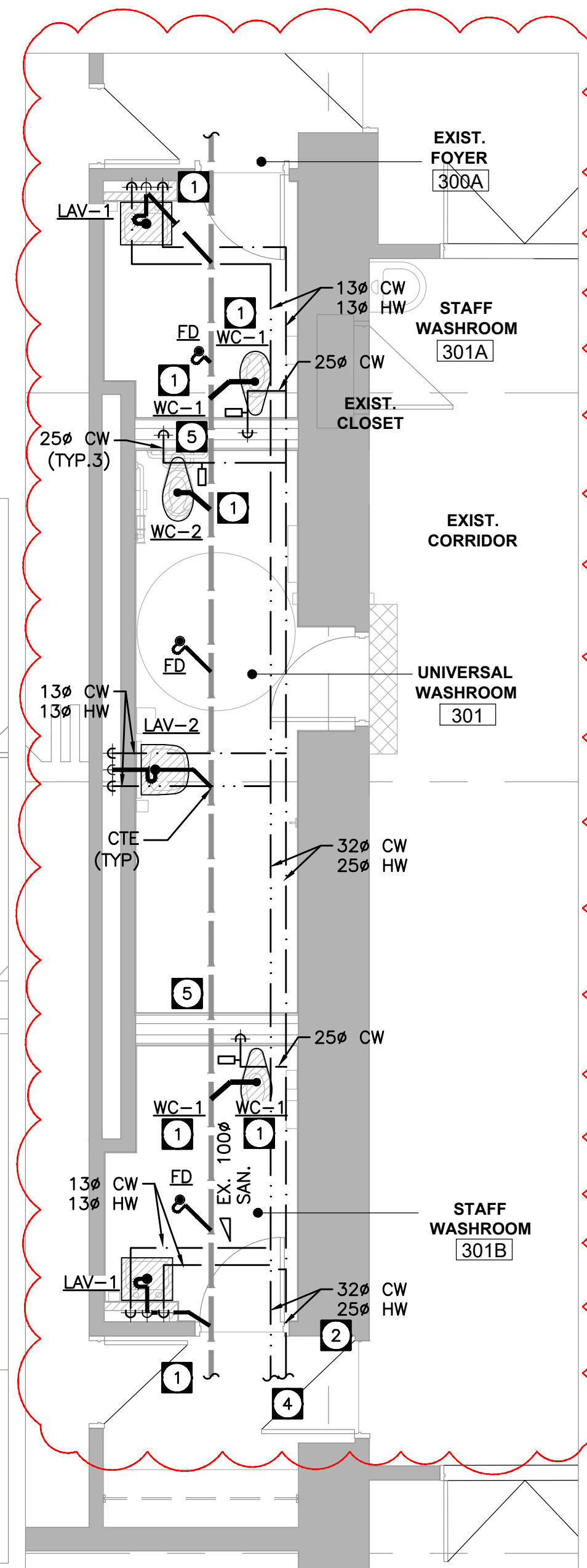
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2. THIS CONTRACTOR TO CARRY AN ALLOWANCE IN TENDER FOR PROBABLE MINIMUM 30 METERS (100'-0") DISTANCE FOR NEW SERVICES CONNECTION TO SUITABLE EXISTING SERVICES.
3. CONTRACTOR SHALL SCAN FLOOR FOR EXACT LOCATION OF SANITARY PIPING AND FOR ANY INTERFERENCE BEFORE CORE DRILLING THE FLOOR. NO EXTRAS WILL BE ALLOWED FOR ANY NEGLIGENCE. COORDINATE WITH GENERAL CONTRACTOR FOR CUTTING AND PATCHING OF WALLS AND FLOORS.
4. TEMPORARILY REMOVE AND/OR RELOCATE ALL EXISTING BUILDING SERVICES THAT ARE IN THE WAY OF MECHANICAL WORK BEING PERFORMED AND REINSTATE EXISTING SERVICES ONCE MECHANICAL WORK HAS BEEN COMPLETED.
5. ALL PLUMBING WORK TO CONFORM TO ONTARIO BUILDING CODE, PROVIDE COMPLETE VENT SYSTEM TO MEET SECTION 7 OF ONTARIO BUILDING CODE. (Div. B, 7.5.)
6. **SANITARY DRAINAGE AND VENT PIPING ABOVE GRADE SHALL BE CERTIFIED TO CAN/CSA-B181.2 "PVC DRAIN, WASTE, AND VENT PIPE AND PIPE FITTINGS". DOMESTIC HOT AND COLD WATER PIPING SHALL BE TYPE "L" HARD COPPER TUBING WITH SOLDERED FITTINGS.**
7. IPEX SYSTEM XFR 15-50 PIPE AND FITTINGS c/w APPROVED FIRE STOPS IN AREA WHERE THE CEILING SPACE IS UTILIZED AS RETURN AIR PLENUM.
8. COORDINATE PIPES WITH HVAC DUCTWORK, ELECTRICAL AND STRUCTURAL, OFFSET AS REQUIRED.
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12. PROVIDE ISOLATION VALVES TO DOMESTIC HOT & COLD WATER LINES TO ALL NEW PLUMBING FIXTURES. PROVIDE BACKFLOW PREVENTION DEVICES ON ALL APPLICABLE PLUMBING FIXTURES AS PER APPROPRIATE CODES AND STANDARDS.
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DRAWING NOTES:

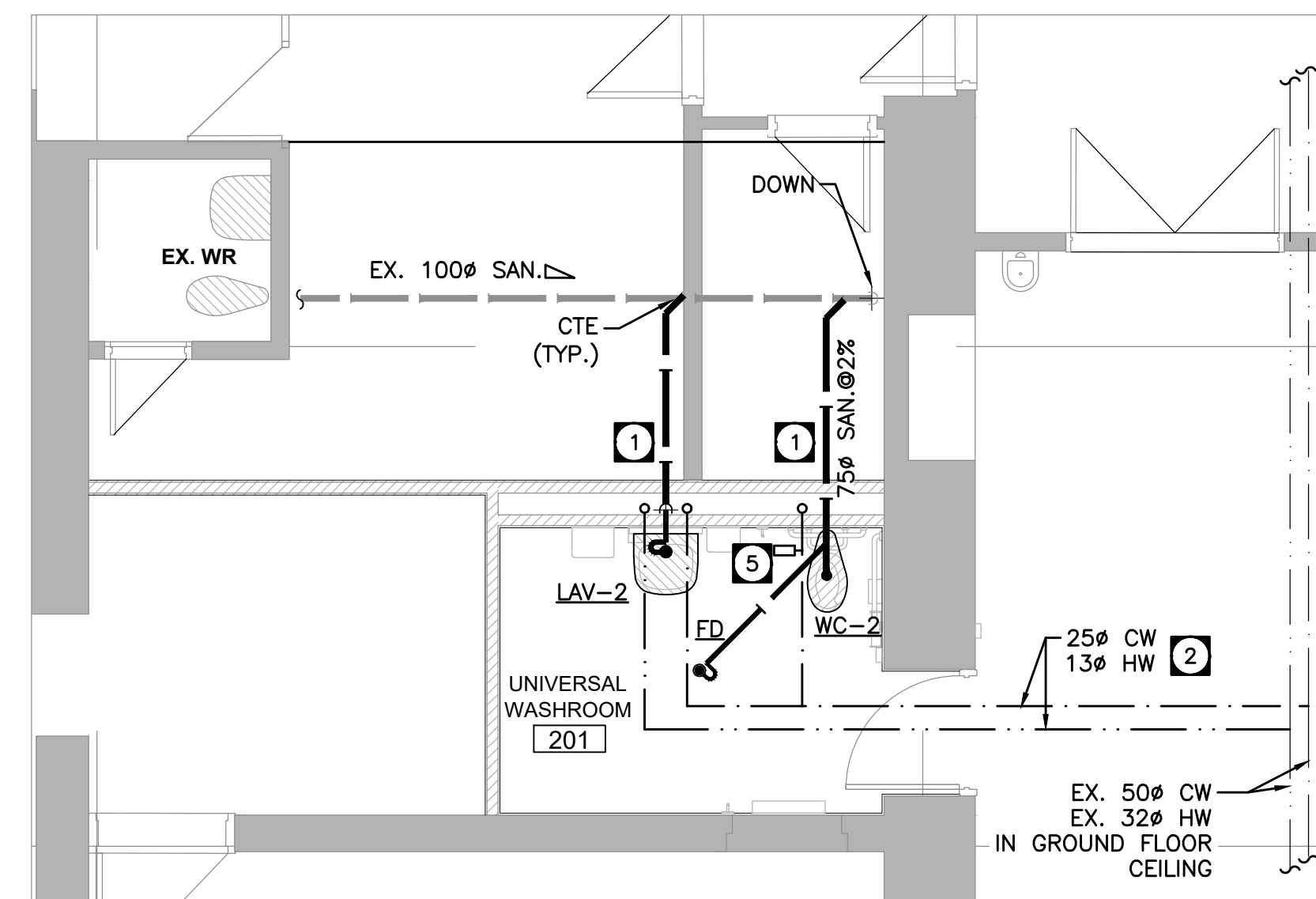
- 1 PROVIDE SANITARY LINE BELOW FLOOR SLAB TO SERVE NEW PLUMBING FIXTURE. MECHANICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR TO RUN NEW SANITARY LINE AND PROVIDE CONNECTION TO EXISTING. COORDINATE LOCATION WITH ARCH. PLANS. PROVIDE VENTING AS PER OBC.
- 2 PROVIDE INSULATED HW & CW PIPING FROM EXISTING SUITABLE SERVICES AT CEILING LEVEL TO SERVE NEW PLUMBING FIXTURES. PROVIDE ISOLATION VALVES, SUPPORTS AND RUN PIPING CONCEALED WITHIN THE WALL.
- 3 PROVIDE CONDENSATE LINE WITHIN CEILING SPACE c/w INSULATION AND INDIRECTLY TERMINATE OVER NEW HUB DRAIN AS SHOWN.
- 4 EXTEND NEW INSULATED 38Ø CW & 20Ø HW TO SUITABLE EXISTING LINE. SITE VERIFY EXACT TIE-IN LOCATION.
- 5 PROVIDE WATER HAMMER ARRESTER IN COLD WATER LINE AND INSTALL AS PER MANUFACTURER WRITTEN INSTRUCTION.



SECOND FLOOR PHYS. ED. WASHROOM  
SCALE: 1:50



THIRD FLOOR STAFF RM WASHROOM  
SCALE: 1:50



SECOND FLOOR UNIVERSAL WASHROOM  
SCALE: 1:50

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2050 Guelph Line  
Burlington, Ontario

ARCHITECT

**snyder**

Snyder Architects Inc.  
280 King St. E. Unit A101, Toronto, ON M5A 4L5  
Tel: 416.968.5444 Fax: 416.968.4443  
www.snyderarchitects.ca

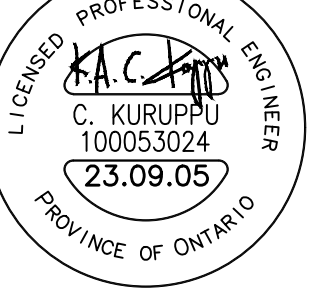
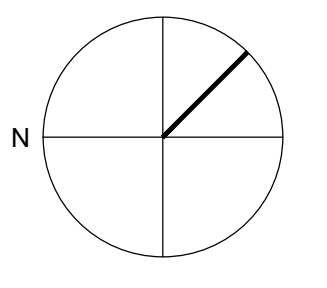
**CK**

**CK ENGINEERING INC**  
MECHANICAL/ELECTRICAL

2400 INDUSTRIAL STREET,  
BURLINGTON, ON L7P 1A5  
www.ckeng.com | info@ckeng.net | 905.631.1115

CONSTRUCTION NORTH

PROFESSIONAL STAMP



GENERAL NOTE:  
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EXAMINE ALL DISCIPLINE DRAWINGS, SPECIFICATIONS AND SCHEDULES AND RELATED WORK TO ENSURE THAT WORK CAN BE SATISFACTORILY EXECUTED. CONFLICTS OR ADDITIONAL WORK BEYOND WORK DESCRIBED TO BE BROUGHT TO ATTENTION OF CONSULTANT.

NO.	DESCRIPTION	DATE
3.	RE-ISSUED FOR PERMIT	23.09.05
2.	ISSUED FOR PERMIT/ CCO#7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. DRAWINGS ARE NOT TO BE SCALED. CONTRACT DOCUMENTS REMAIN THE PROPERTY OF THE CONSULTANTS AND SHALL BE RETURNED UPON COMPLETION OF THE PROJECT.

PROJECT  
**BURLINGTON CENTRAL  
H.S. RENOVATIONS**

1433 Baldwin Street Burlington, ON

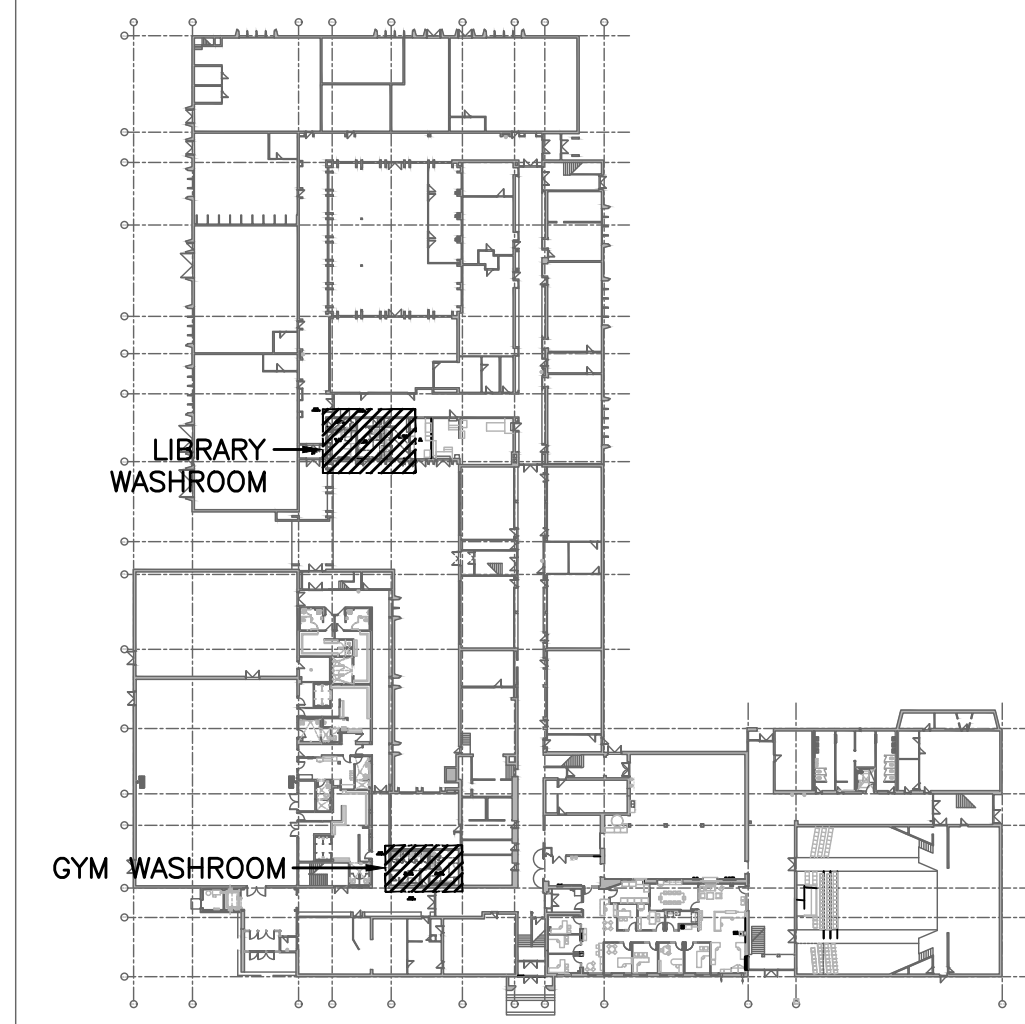
DRAWN S.V.	PROJECT NO 2005
CHECKED D.H.	ENG PROJECT NO. 23008
SCALE AS NOTED	

DRAWING

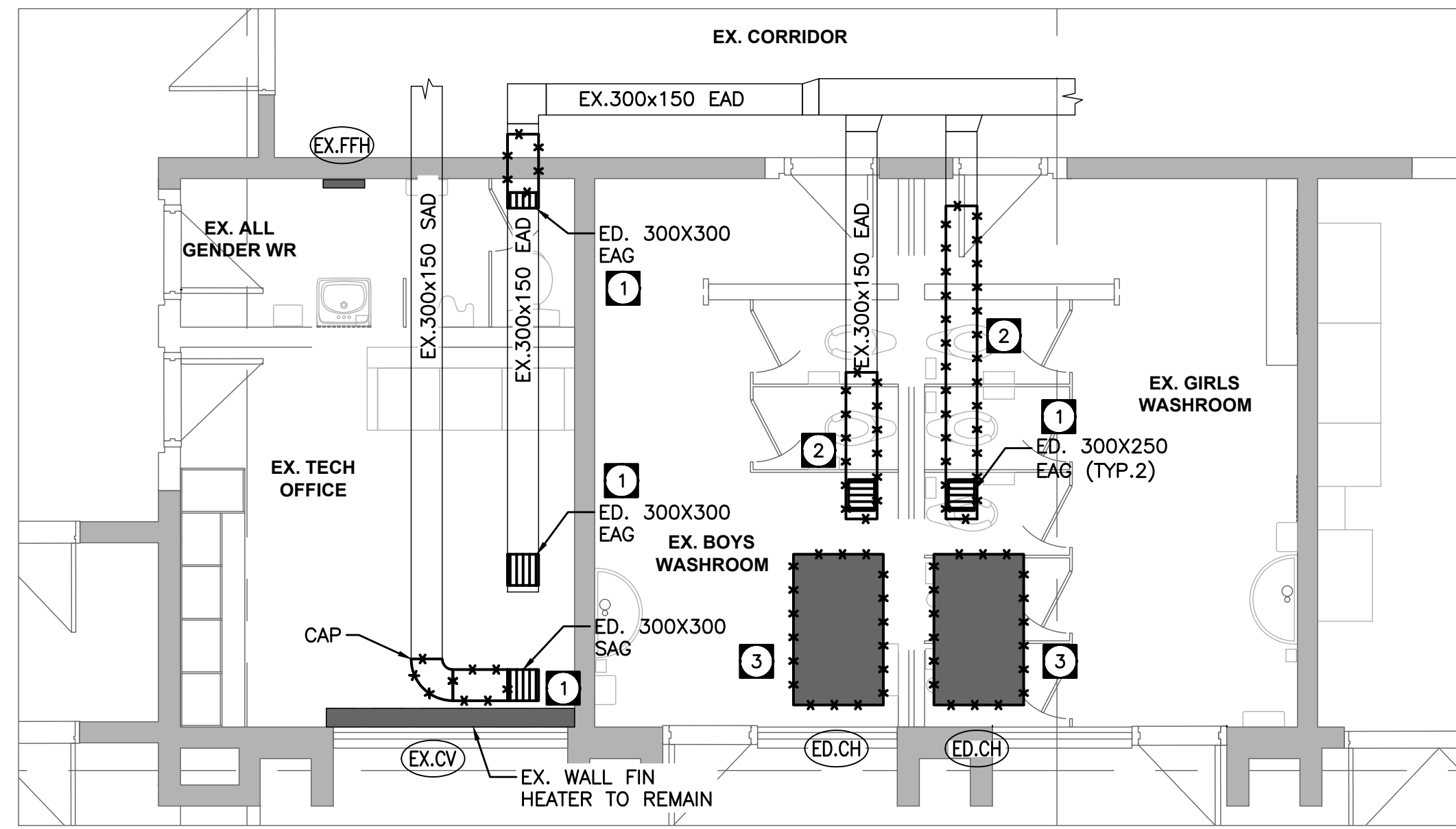
**SECOND & THIRD  
FLOOR- PLUMBING NEW  
LAYOUT**

M2.4

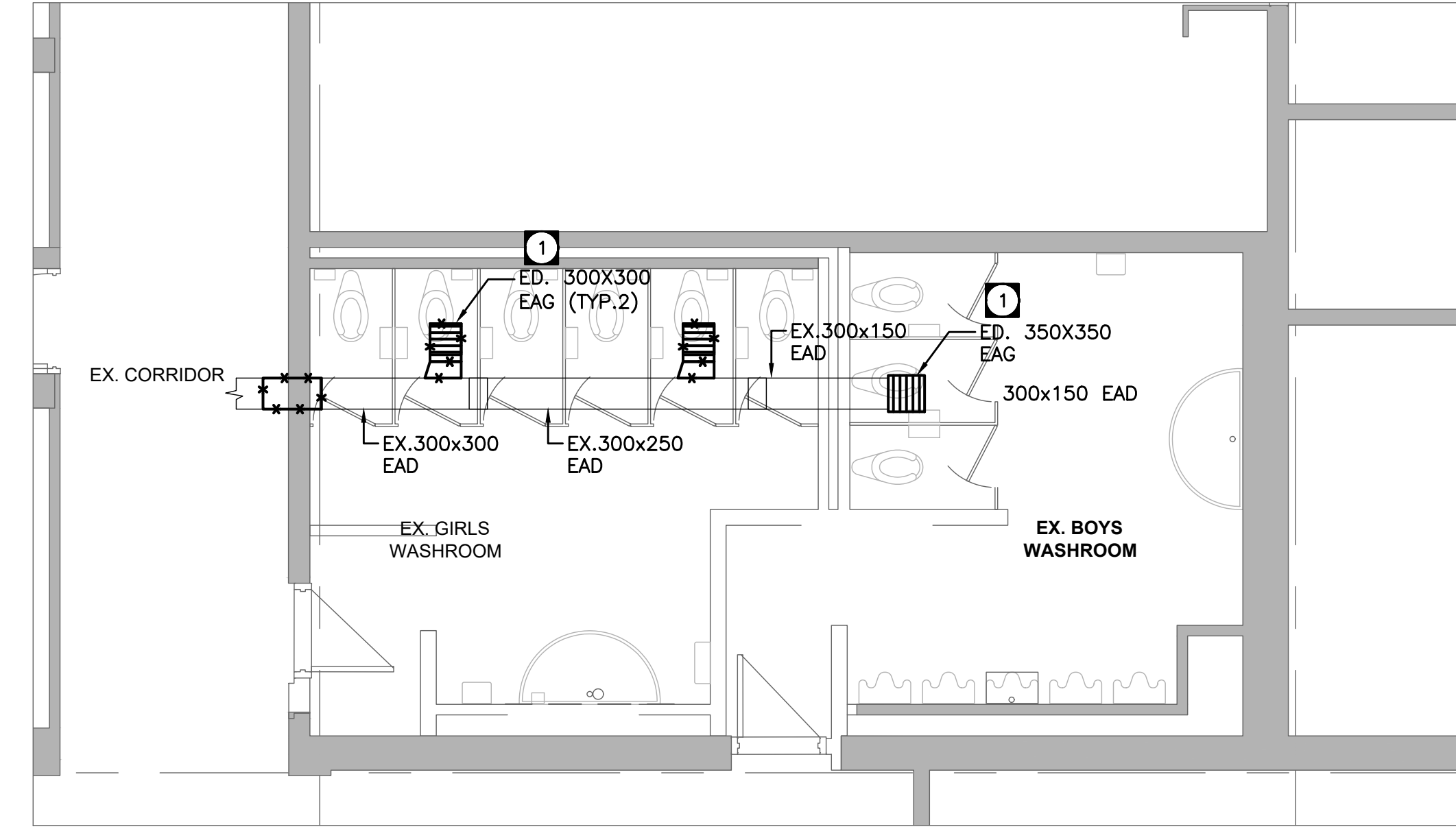




**KEY PLAN**  
SCALE: 1:1000



**LIBRARY WASHROOMS**  
SCALE: 1:50



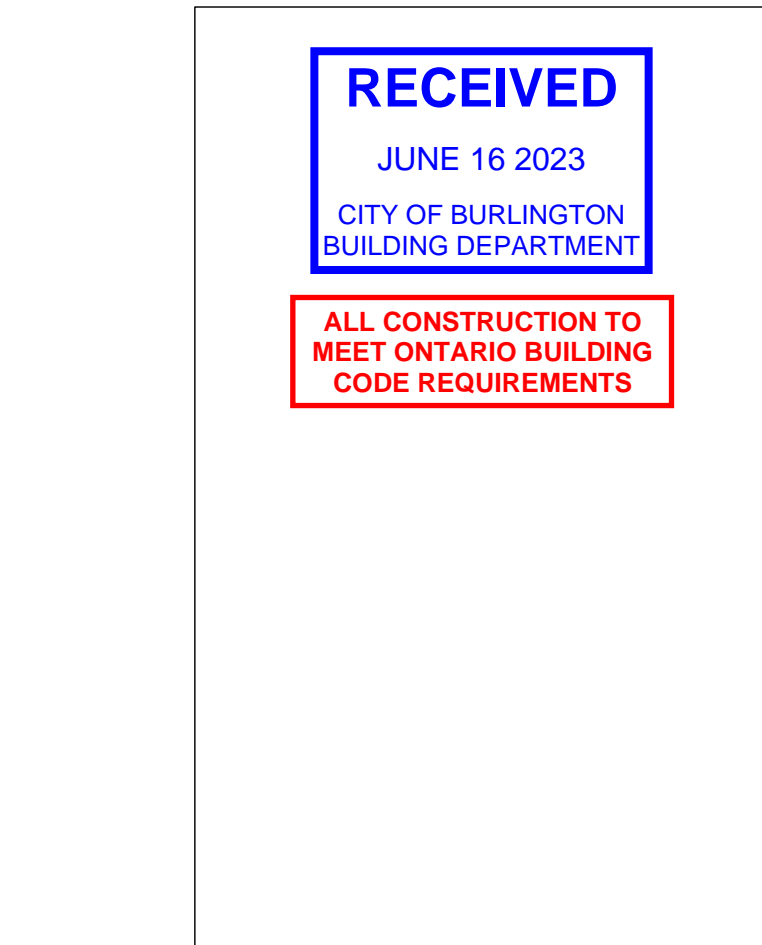
**GYM WASHROOMS**  
SCALE: 1:50

**GENERAL NOTES:**

- A. REVIEW DRAWINGS BEFORE COMMENCING WITH DEMOLITION WORK
- B. REMOVE ALL EQUIPMENT, PIPING, STEEL SUPPORTS, CONTROLS, PLUMBING MATERIAL, HOUSE KEEPING PAD, SHOWN APPROXIMATELY WITH HEAVY 'X' MARKED LINES THROUGHOUT (UNLESS OTHERWISE INDICATED)
- C. THIS DRAWING DOES NOT SHOW ALL HIDDEN OR CONCEALED PIPING, DUCTS, PLUMBING AND EQUIPMENT TO BE REMOVED. CONTRACTOR SHALL VISIT THE SITE AND MAKE THEIR OWN EVALUATION AND ESTIMATE OF THE EXTENT AND MAGNITUDE OF THE WORK INVOLVED PRIOR TO SUBMITTING PROPOSAL.
- D. THE EXISTING SERVICES SHOWN ON THIS DRAWING HAVE BEEN TAKEN FROM THE ORIGINAL MECHANICAL DRAWINGS. THIS INFORMATION MUST NOT BE ASSUMED TO BE COMPLETE OR UP-TO-DATE. THE MECHANICAL CONTRACTOR SHALL CARRY OUT A FULL SURVEY OF ALL EXISTING SERVICES AND STRUCTURE TO CONFIRM THE SIZE AND LOCATION OF THESE SERVICES, BEFORE THE COMMENCEMENT OF ANY WORK.
- E. REFER TO ARCHITECTURAL DRAWINGS FOR WALL REPAIR DETAIL UNLESS NOTED OTHERWISE.
- F. TEMPORARILY REMOVE AND/OR RELOCATE ALL EXISTING BUILDING SERVICES THAT ARE IN THE WAY OF MECHANICAL WORK BEING PERFORMED AND REINSTATE EXISTING SERVICES ONCE MECHANICAL WORK HAS BEEN COMPLETED.
- G. CONTRACTOR SHALL INCLUDE FREEZING OF EXISTING LINES AS REQUIRED TO COMPLETE THE NEW SCOPE OF WORK. PIPE FREEZING SHALL BE COORDINATED WITH SCHOOL BOARD TO AVOID INTERRUPTION TO EXISTING SERVICES.
- H. REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD.
- I. REMOVE ALL DEBRIS AND CLEAN FROM SITE DAILY.

**DRAWING NOTES:**

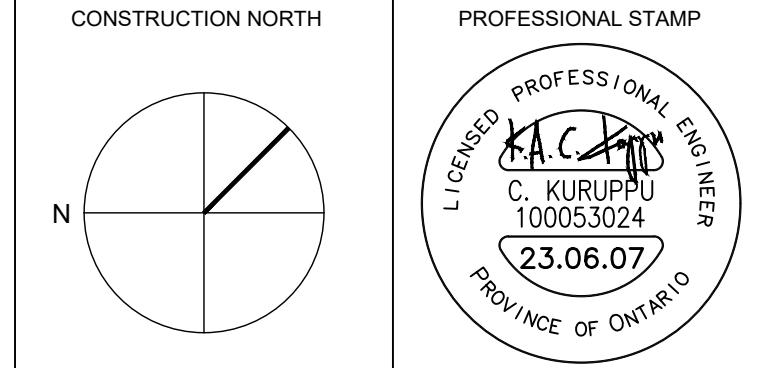
- 1 DEMOLISH RETURN AIR GRILLE c/w DUCTWORK AND CAP OPENING.
- 2 DEMOLISH DUCTWORK WITHIN CEILING c/w INSULATION, ALL ASSOCIATED ACCESSORIES, SUPPORTS AND CONTROLS. CONTRACTOR SHALL REPAIR AND MAKE GOOD OF ANY EXISTING SERVICES AFFECTED AS A RESULT OF THIS DEMOLITIONS WORK. (TYP.)
- 3 DEMOLISH CEILING HUNG CABINET HEATER c/w ASSOCIATED SUPPORTS, ACCESSORIES AND CONTROLS. MODIFY CONNECTED HWS & HWR PIPING FOR NEW CABINET UNIT HEATER INSTALLATION.



CLIENT  
**Halton District School Board**  
2050 Guelph Line  
Burlington, Ontario

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NO.	DESCRIPTION	DATE
2.	ISSUED FOR PERMIT/ CCO#7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

NO.	DESCRIPTION	DATE
2.	ISSUED FOR PERMIT/ CCO#7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

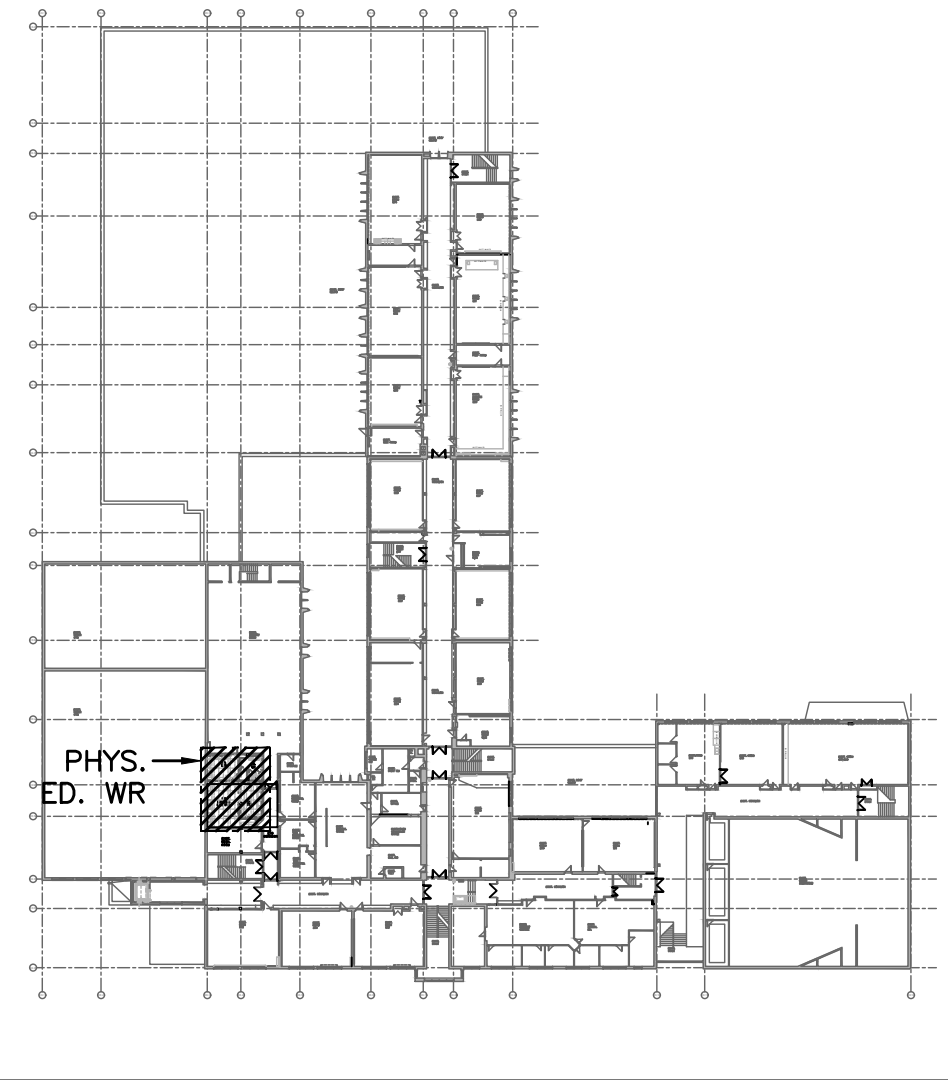
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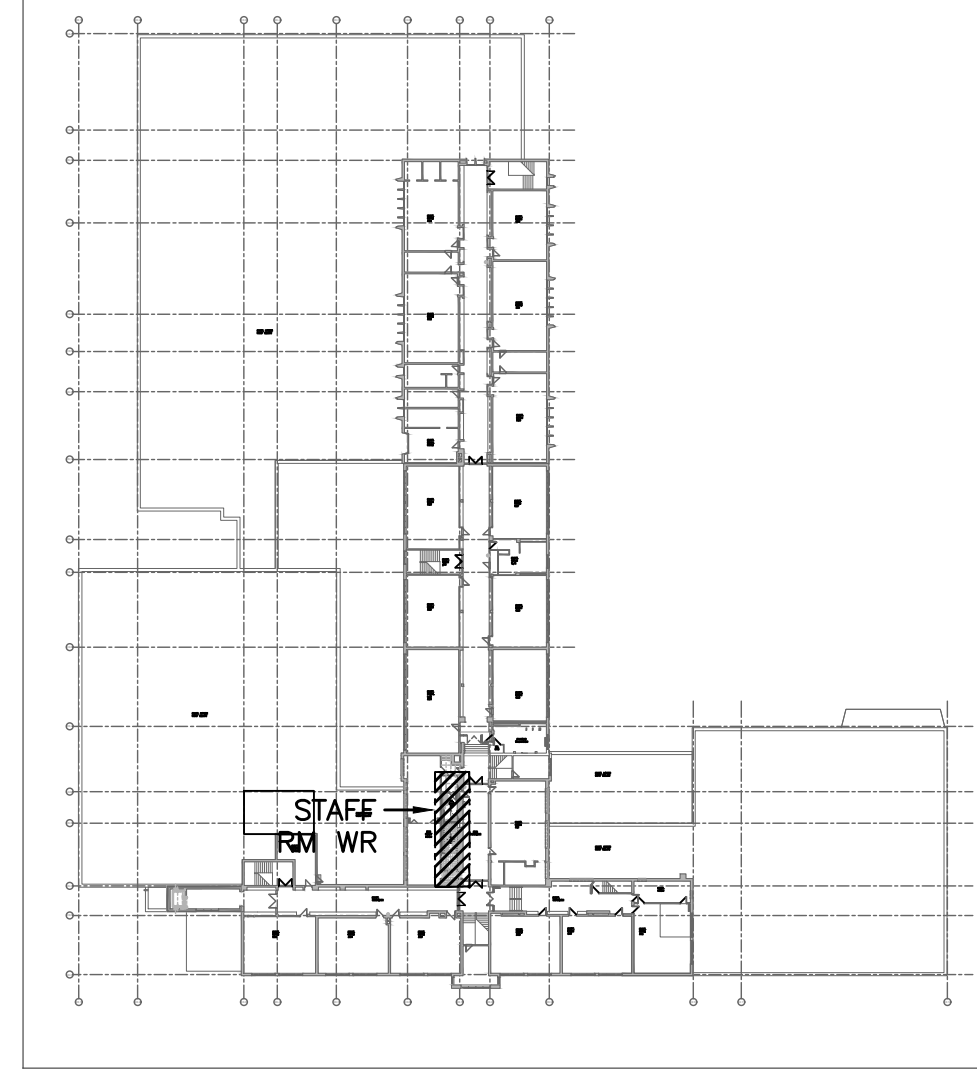
PROJECT  
**BURLINGTON CENTRAL  
H.S. RENOVATIONS**  
1433 Baldwin Street Burlington, ON

DRAWN S.V.	PROJECT NO 2005
CHECKED D.H.	ENG PROJECT NO. 23008
SCALE AS NOTED	

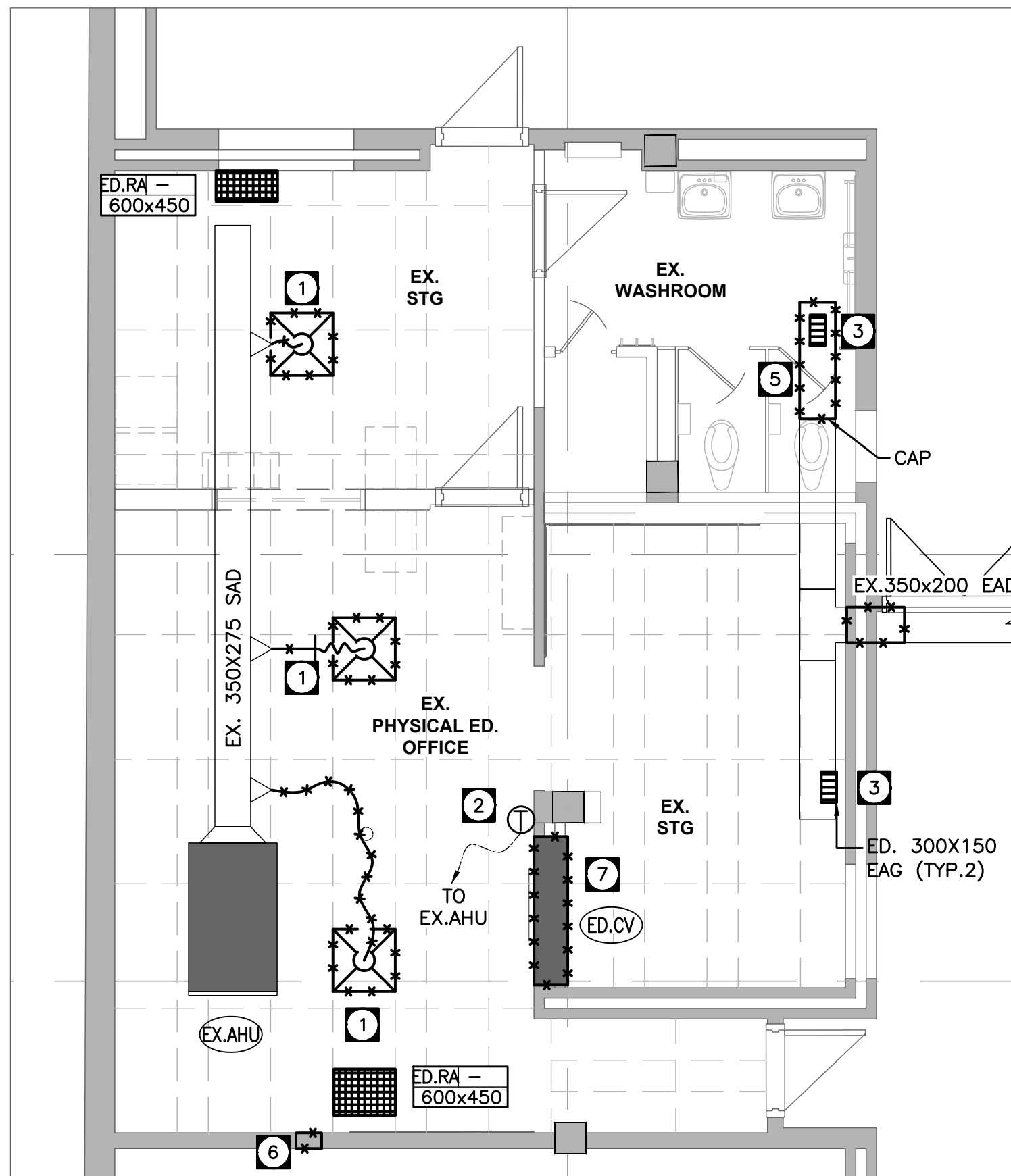
DRAWING  
**FIRST FLOOR- HVAC  
DEMOLITION LAYOUT**



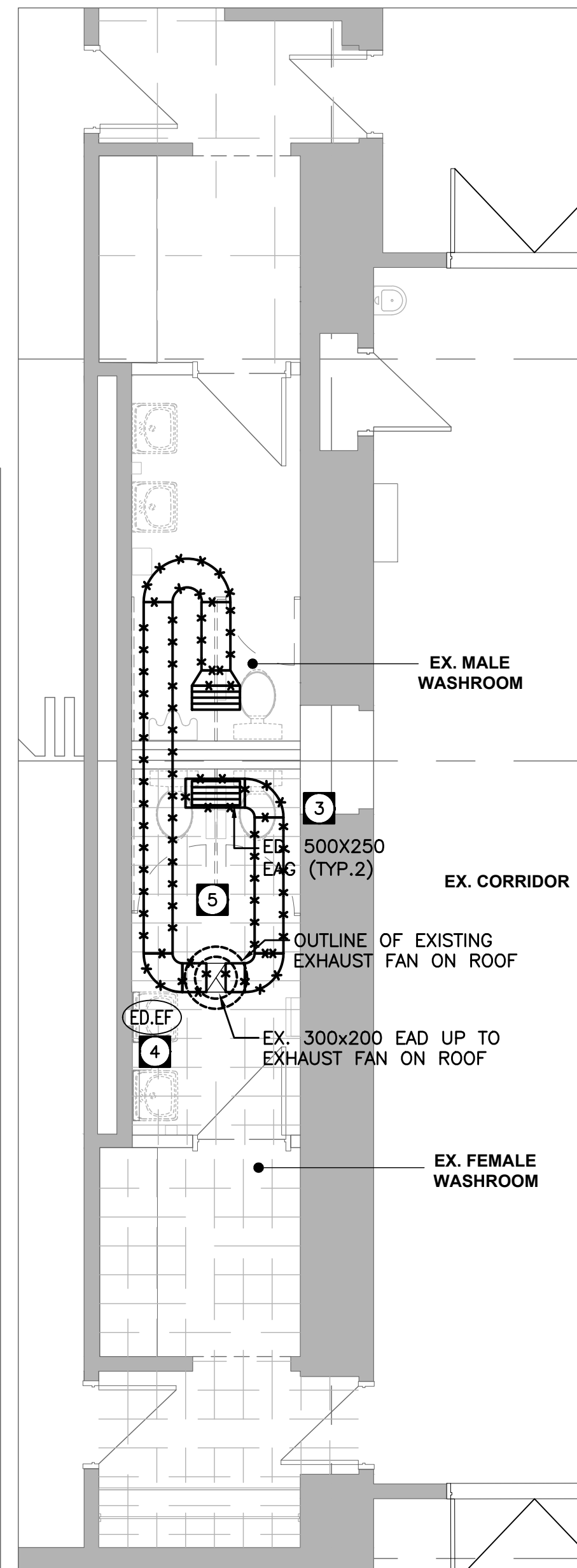
SECOND FLOOR KEY PLAN  
SCALE: 1:1000



THIRD FLOOR KEY PLAN  
SCALE: 1:1000



SECOND FLOOR PHYS. ED. WASHROOM  
SCALE: 1:50



THIRD FLOOR STAFF RM WASHROOM  
SCALE: 1:50

GENERAL NOTES:

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- B. REMOVE ALL EQUIPMENT, PIPING, STEEL SUPPORTS, CONTROLS, PLUMBING MATERIAL, HOUSE KEEPING PAD, SHOWN APPROXIMATELY WITH HEAVY 'X' MARKED LINES THROUGHOUT (UNLESS OTHERWISE INDICATED)
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- G. CONTRACTOR SHALL INCLUDE FREEZING OF EXISTING LINES AS REQUIRED TO COMPLETE THE NEW SCOPE OF WORK. PIPE FREEZING SHALL BE COORDINATED WITH SCHOOL BOARD TO AVOID INTERRUPTION TO EXISTING SERVICES.
- H. REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD.
- I. REMOVE ALL DEBRIS AND CLEAN FROM SITE DAILY.

DRAWING NOTES:

- 1 RELOCATE EXISTING DIFFUSER AND MODIFY CONNECTED SUPPLY AIR DUCTWORK AS REQUIRED TO SUIT NEW DIFFUSER LAYOUT. REFER TO MECH. DWG. M3.4 FOR NEW LOCATION OF DIFFUSERS AND GRILLES.
- 2 RELOCATE EXISTING THERMOSTAT c/w ASSOCIATED ACCESSORIES AND WIRING AS REQUIRED TO SUIT THE NEW LAYOUT. REFER TO MECH. DWG. M3.4 FOR NEW LOCATION OF THERMOSTAT.
- 3 DEMOLISH RETURN AIR GRILLE c/w DUCTWORK AND CAP OPENING.
- 4 DEMOLISH ROOF MOUNTED EXHAUST FAN c/w ROOF CURB, ASSOCIATED ACCESSORIES AND CONTROLS. MODIFY EXISTING DUCT RISER AND ROOF OPENING AS REQUIRED TO ACCOMMODATE NEW EXHAUST FAN INSTALLATION.
- 5 DEMOLISH DUCTWORK WITHIN CEILING c/w INSULATION, ALL ASSOCIATED ACCESSORIES, SUPPORTS AND CONTROLS. CONTRACTOR SHALL REPAIR AND MAKE GOOD OF ANY EXISTING SERVICES AFFECTED AS A RESULT OF THIS DEMOLITIONS WORK. (TYP.)
- 6 COORDINATE WITH ARCHITECT TO INFILL EXISTING 250x100 WALL OPENING. WORK BY OTHERS.
- 7 DEMOLISH RECESSED CONVECTOR HEATER c/w ASSOCIATED ACCESSORIES AND CONTROLS. DEMOLISH CONNECTED HWS & HWR PIPING BACK TO MAIN AND CAP c/w ISOLATION VALVES.

RECEIVED

JUNE 16 2023

CITY OF BURLINGTON  
BUILDING DEPARTMENT

ALL CONSTRUCTION TO  
MEET ONTARIO BUILDING  
CODE REQUIREMENTS

CLIENT

Halton District School Board  
2050 Guelph Line  
Burlington, Ontario

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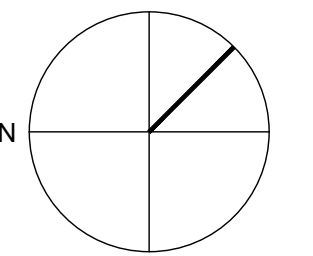
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NO.	DESCRIPTION	DATE
2.	ISSUED FOR PERMIT/ CCO#7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

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PROJECT

BURLINGTON CENTRAL  
H.S. RENOVATIONS

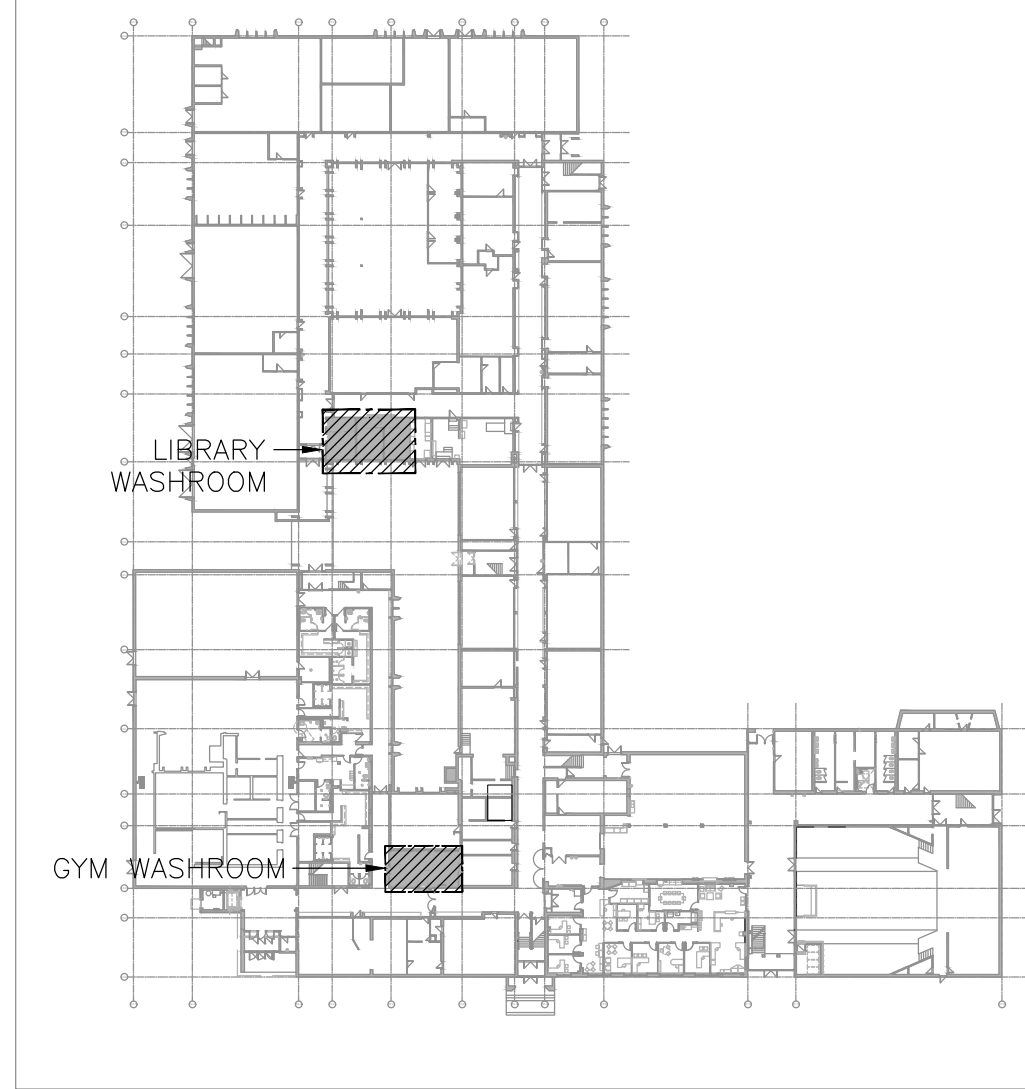
1433 Baldwin Street Burlington, ON

DRAWN S.V.	PROJECT NO 2005
CHECKED D.H.	ENG PROJECT NO. 23008
SCALE AS NOTED	

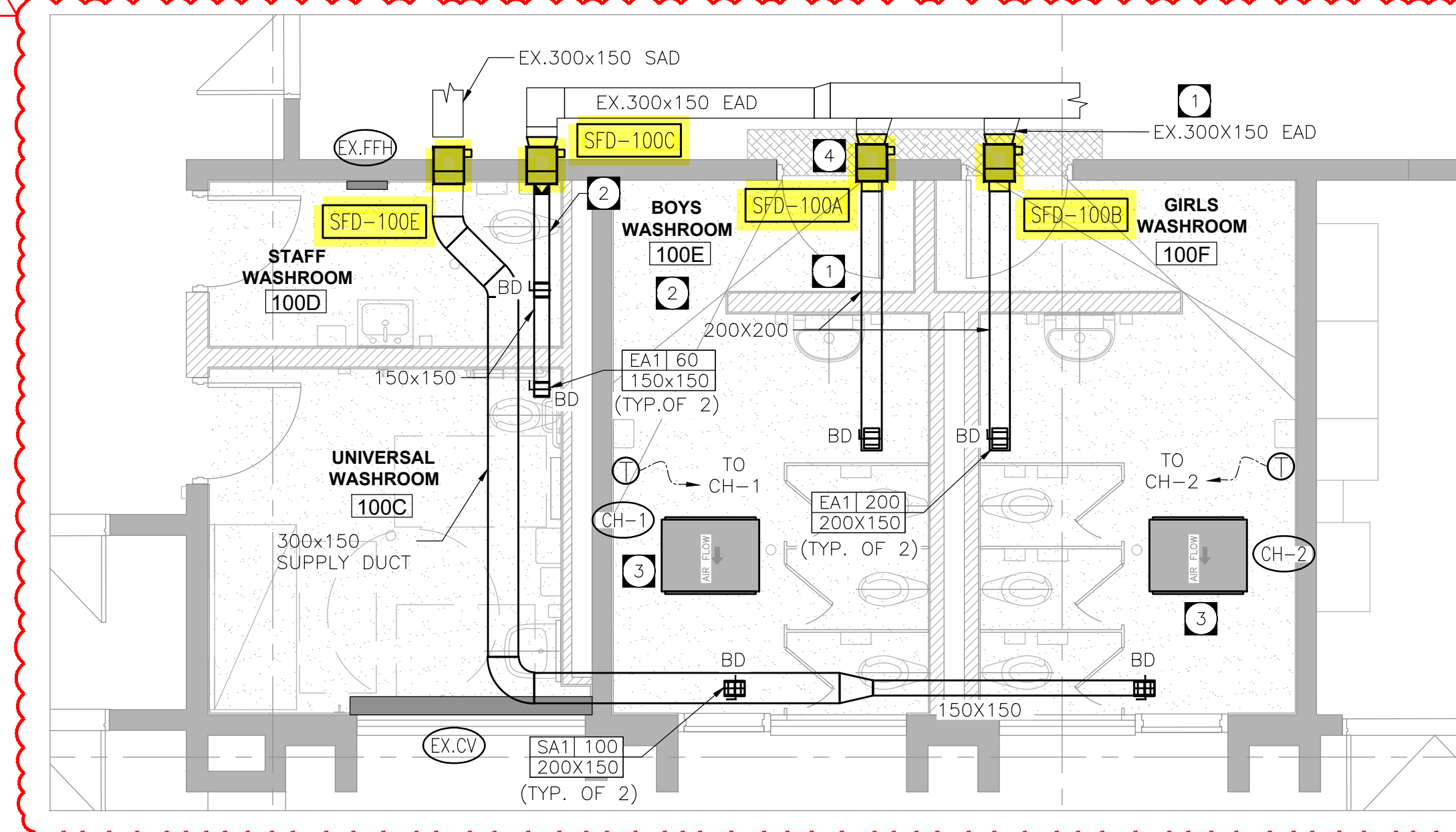
DRAWING

SECOND & THIRD  
FLOOR- HVAC  
DEMOLITION LAYOUT

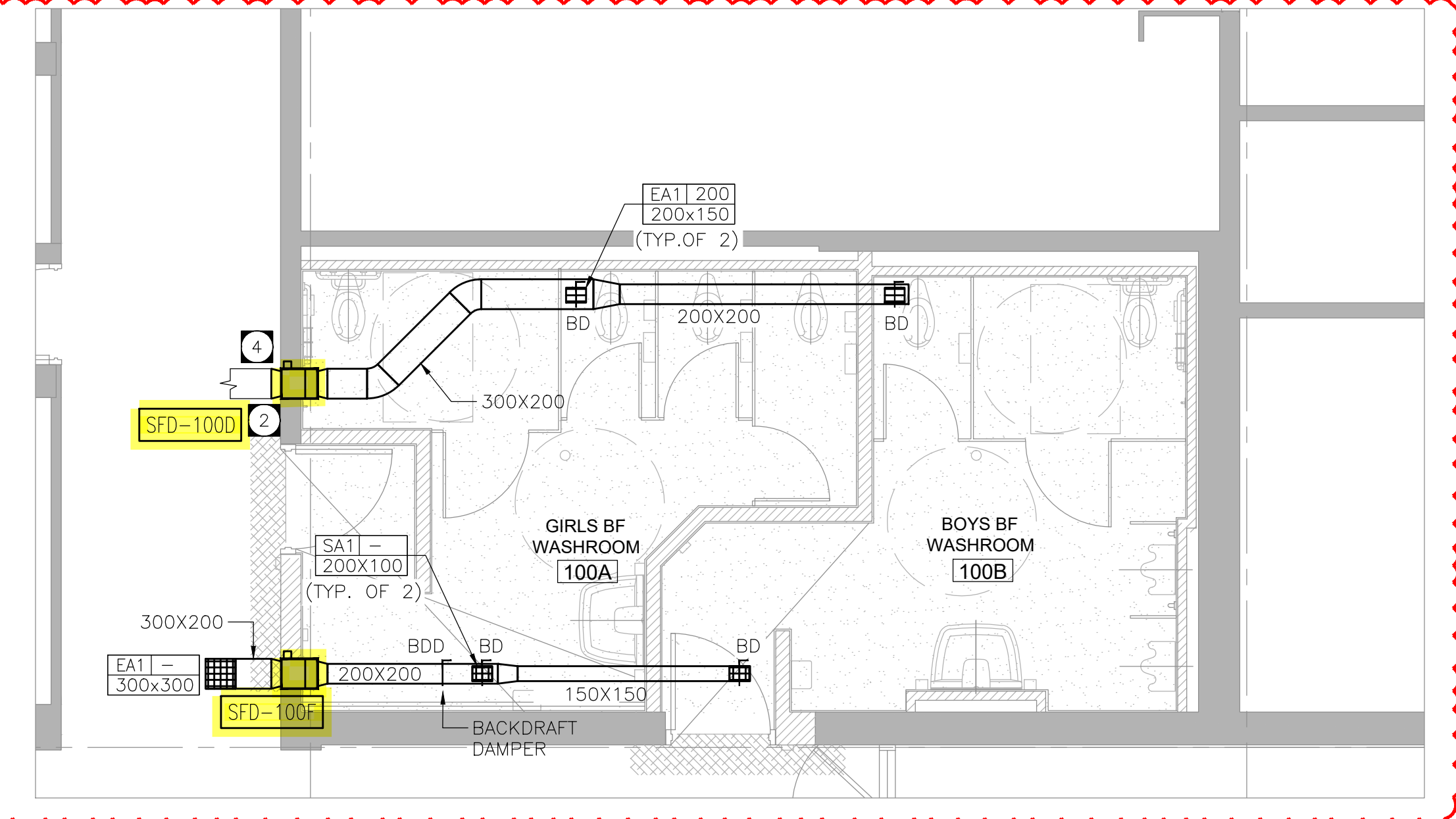
6



KEY PLAN  
SCALE: 1:1000



LIBRARY WASHROOMS  
SCALE: 1:50



GYM WASHROOMS  
SCALE: 1:50

**RECEIVED**  
DEC 15 2023  
CITY OF BURLINGTON  
BUILDING DEPARTMENT  
ALL CONSTRUCTION TO  
MEET ONTARIO BUILDING  
CODE REQUIREMENTS

CLIENT  
**Halton District School Board**  
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CONSTRUCTION NORTH

PROFESSIONAL STAMP  
L. CURRUP  
C. KURUPPA  
100053024  
23.12.13  
PROVINCE OF ONTARIO

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NO.	DESCRIPTION	DATE
6.	RE-ISSUED FOR PERMIT	23.12.13
5.	RE-ISSUED FOR PERMIT	23.10.30
4.	RE-ISSUED FOR PERMIT	23.10.13
3.	RE-ISSUED FOR PERMIT	23.08.08
2.	ISSUED FOR PERMIT/ CCO#7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

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PROJECT  
**BURLINGTON CENTRAL  
H.S. RENOVATIONS**  
1433 Baldwin Street Burlington, ON

DRAWN S.V.	PROJECT NO 2005
CHECKED D.H.	ENG PROJECT NO. 23008
SCALE AS NOTED	

DRAWING  
**FIRST FLOOR- HVAC NEW LAYOUT**

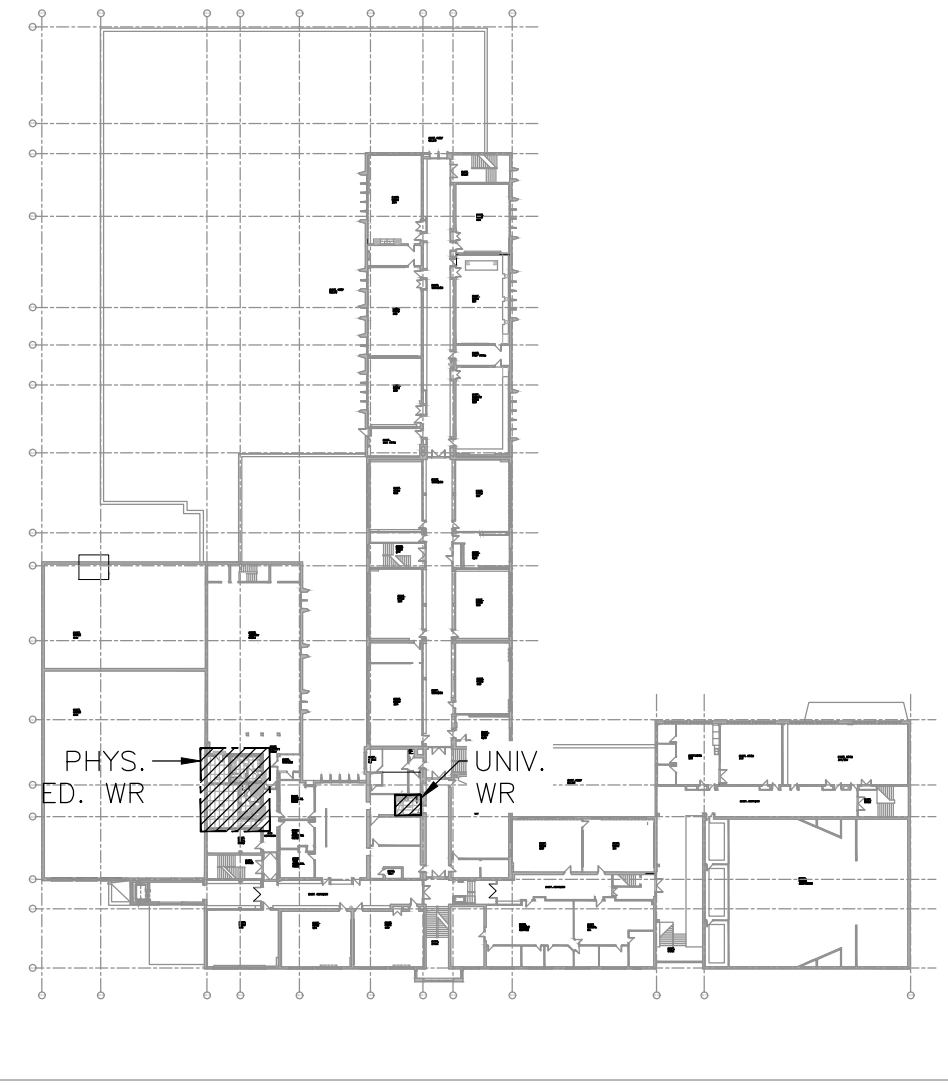
M3.3  
008 - Building Department  
Page 11 of 12

GENERAL NOTES:

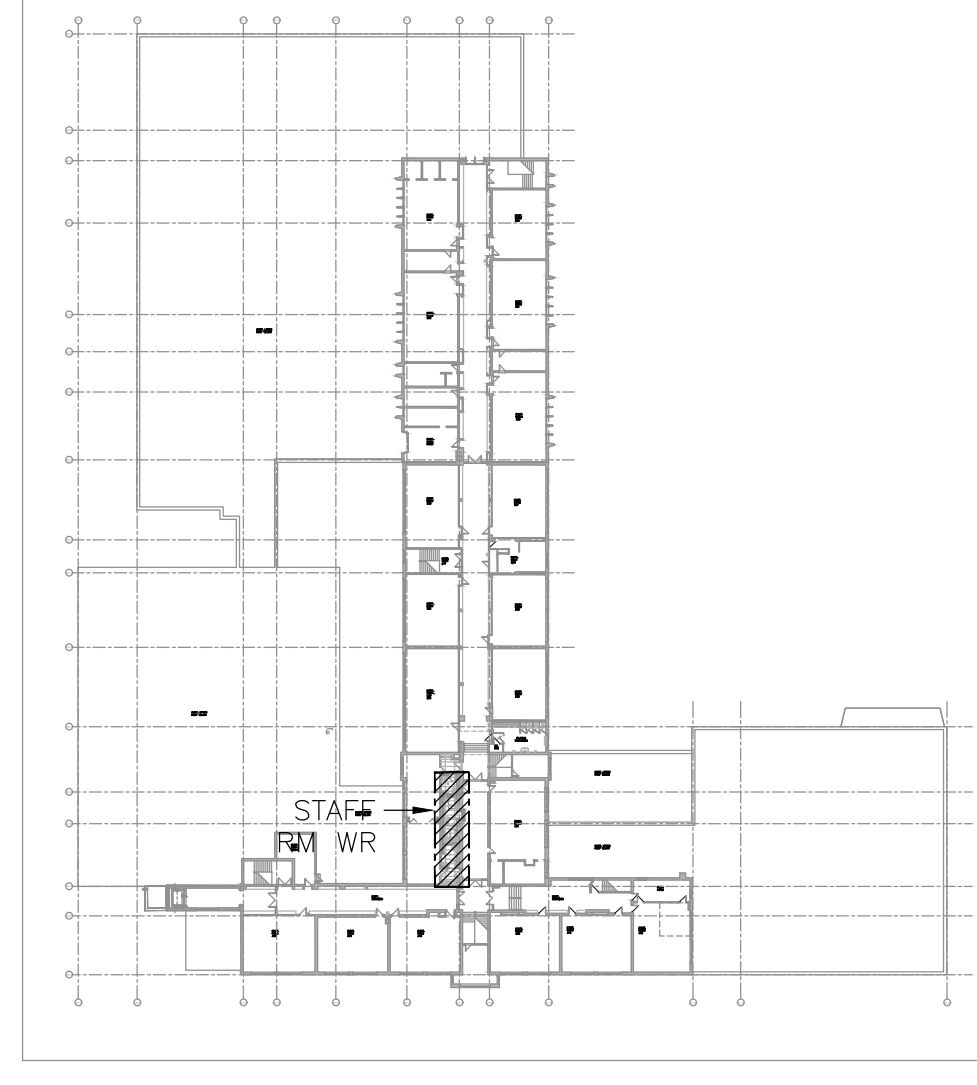
- A. THIS DRAWING DOES NOT SHOW ALL CONCEALED PIPING, DUCT AND EQUIPMENT. CONTRACTOR TO COORDINATE WITH LIGHTING FIXTURES AND OTHER ELECTRICAL EQUIPMENT. CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS INCLUDING DUCTWORK SIZES AND EQUIPMENT.
- B. INSULATE ALL SUPPLY, RETURN AND EXHAUST AIR DUCTWORK.
- C. DUCTWORK WITH INTERNALLY LINED ACOUSTIC INSULATION TO MAINTAIN CLEAR INSIDE DIMENSION AS SHOWN.
- D. COORDINATE TEMPERATURE SENSOR LOCATION WITH THE OWNER.
- E. ALL LOW VOLTAGE WIRING TO BE WITHIN EMT CONDUIT PROVIDED BY THIS DIVISION.
- F. CONTRACTOR TO COORDINATE WITH CONTROLS CONTRACTOR FOR COMPONENTS WIRED TO BAS SYSTEM.
- G. INSULATE ALL NEW HEATING WATER SUPPLY & RETURN LINES WITH MINIMUM 25MM THICK INSULATION.
- H. TEMPORARILY REMOVE AND/OR RELOCATE ALL EXISTING BUILDING SERVICES THAT ARE IN THE WAY OF MECHANICAL WORK BEING PERFORMED AND REINSTATE EXISTING SERVICES ONCE MECHANICAL WORK HAS BEEN COMPLETED.
- I. CONTRACTOR SHALL INCLUDE FREEZING OF EXISTING LINES AS REQUIRED TO COMPLETE THE NEW SCOPE OF WORK. PIPE FREEZING SHALL BE COORDINATED WITH SCHOOL BOARD TO AVOID INTERRUPTION TO EXISTING SERVICES.
- J. FIRESTOP AND SEAL ALL DUCTWORK AND PIPING WALL/CEILING/FLOOR PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
- K. REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD.
- L. REMOVE ALL DEBRIS AND CLEAN FROM SITE DAILY.
- M. UNDERCUT WASHROOM DOORS BY 20MM FOR TRANSFER AIR.

DRAWING NOTES:

- 1 MODIFY EXISTING DUCTWORK AS REQUIRED TO SUIT NEW HVAC LAYOUT.
- 2 PROVIDE NEW EXHAUST AND SUPPLY DUCTS AND CONNECT TO EXISTING SERVICES IN THE CORRIDOR AS INDICATED. (TYP.)
- 3 PROVIDE HYDRONIC CABINET UNIT HEATER BELOW CEILING (HUNG FROM SLAB) c/w ASSOCIATED ACCESSORIES AND CONTROLS. INSTALL AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO MECHANICAL DRAWING M1.2 FOR HEATER SCHEDULE. EXTEND NEW INSULATED HYDRONIC PIPING (HWS & HWR) TO EXISTING MAINS. CONTRACTOR SHALL INCLUDE ALL ASSOCIATED WORKS (FREEZING OF EXISTING LINE, ETC.) AS REQUIRED TO COMPLETE THIS WORK. COORDINATE INSTALLATION WITH EXISTING SERVICES IN THE CEILING SPACE.
- 4 PROVIDE COMBINATION SMOKE & FIRE DAMPERS C/W REQUIRED CLEARANCES, FIRE RATED ACCESS PANELS AT INDICATED LOCATIONS. (TYP.)
- 5 PROVIDE DUCT MOUNTED EXHAUST AND SUPPLY REGISTERS OR GRILLES AS INDICATED. (TYP.)



SECOND FLOOR KEY PLAN  
SCALE: 1:1000



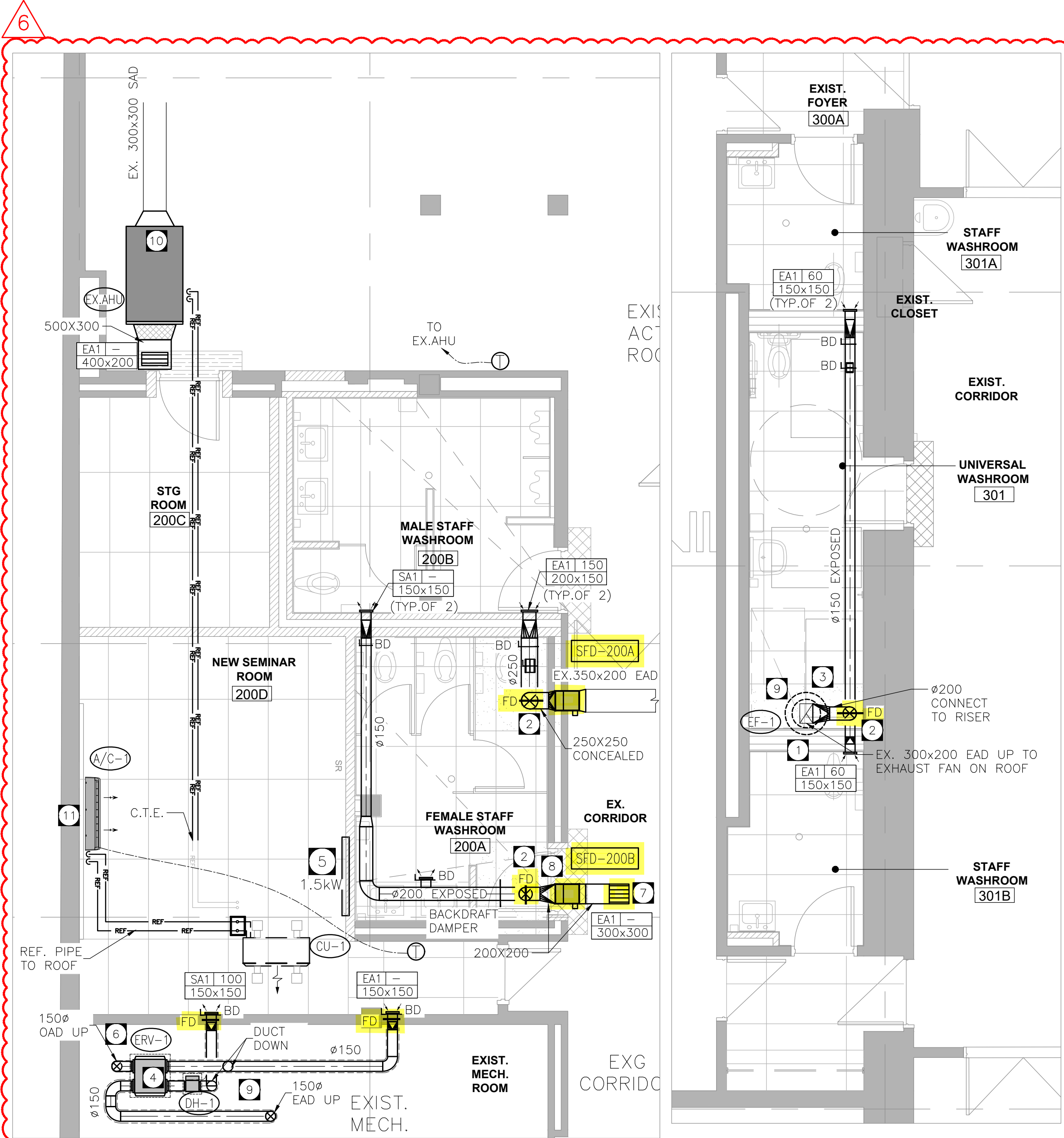
THIRD FLOOR KEY PLAN  
SCALE: 1:1000

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- B. INSULATE ALL SUPPLY, RETURN AND EXHAUST AIR DUCTWORK.
- C. DUCTWORK WITH INTERNALLY LINED ACOUSTIC INSULATION TO MAINTAIN CLEAR INSIDE DIMENSION AS SHOWN.
- D. COORDINATE TEMPERATURE SENSOR LOCATION WITH THE OWNER.
- E. ALL LOW VOLTAGE WIRING TO BE WITHIN EMT CONDUIT PROVIDED BY THIS DIVISION.
- F. CONTRACTOR TO COORDINATE WITH CONTROLS CONTRACTOR FOR COMPONENTS WIRED TO BAS SYSTEM.
- G. INSULATE ALL NEW HEATING WATER SUPPLY & RETURN LINES WITH MINIMUM 25MM THICK INSULATION.
- H. TEMPORARILY REMOVE AND/OR RELOCATE ALL EXISTING BUILDING SERVICES THAT ARE IN THE WAY OF MECHANICAL WORK BEING PERFORMED AND REINSTATE EXISTING SERVICES ONCE MECHANICAL WORK HAS BEEN COMPLETED.
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- K. REPAIR ANY DAMAGE CAUSED BY THIS WORK AND MAKE GOOD.
- L. REMOVE ALL DEBRIS AND CLEAN FROM SITE DAILY.
- M. UNDERCUT WASHROOM DOORS BY 20MM FOR TRANSFER AIR.

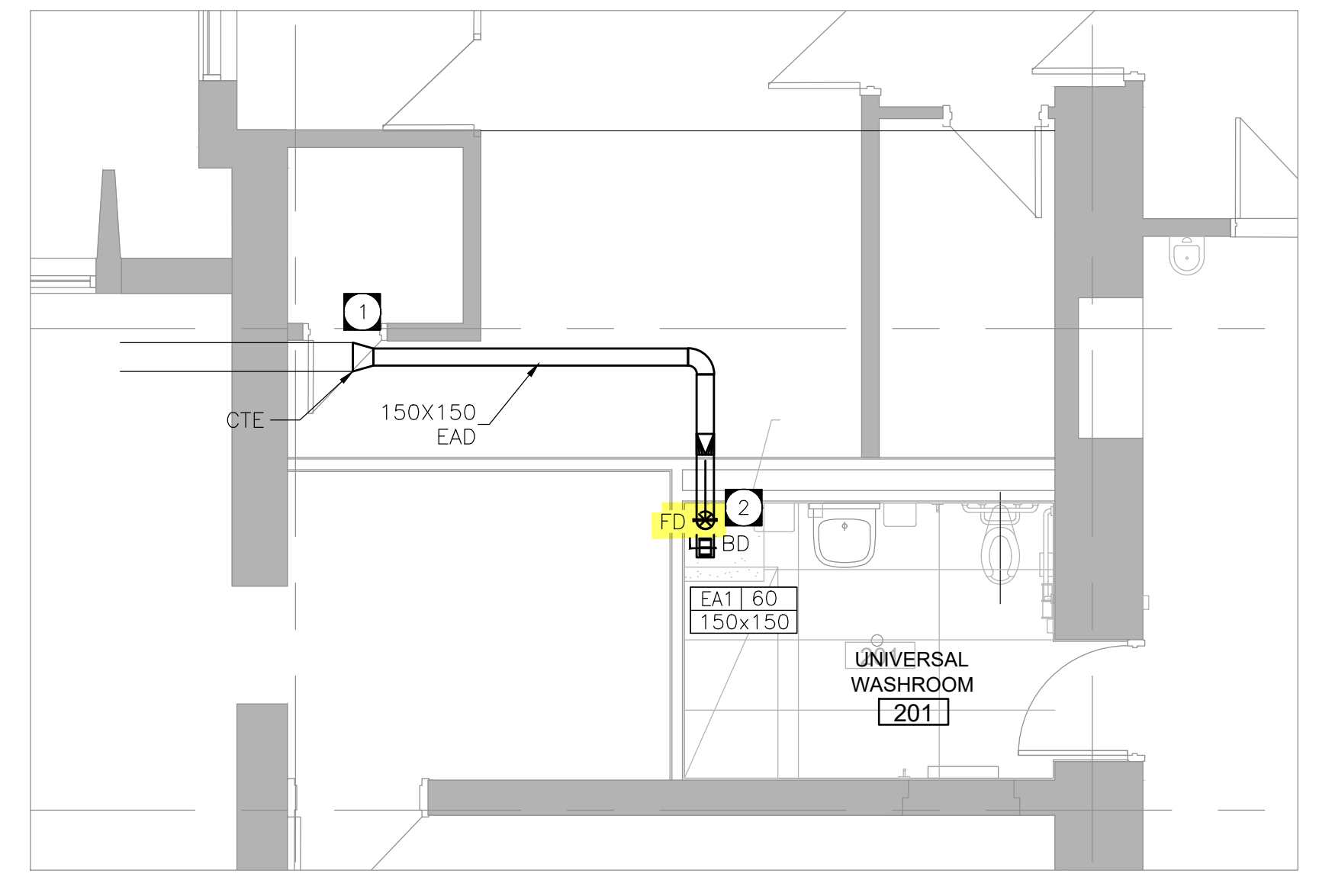
DRAWING NOTES:

1. MODIFY EXISTING DUCTWORK AS REQUIRED TO SUIT NEW DIFFUSER LAYOUT.
2. PROVIDE DUCT VERTICAL PENETRATION THROUGH FIRE-RATED BULKHEAD C/W FIRE DAMPER AND DUCT ACCESS PANEL. DUCT SHALL BE EXPOSED SPIRAL DUCT AND CONTINUE UNDER THE CEILING AS INDICATED. (TYP.)
3. PROVIDE ROOF MOUNTED EXHAUST FAN c/w ROOF CURB, DUCTWORK, ALL ASSOCIATED ACCESSORIES AND CONTROLS.
4. PROVIDE ENERGY RECOVERY VENTILATOR IN MECH. ROOM c/w ELECTRIC DUCT HEATER (SET AT 70°F), HANGERS AND VIBRATION ISOLATORS. INSULATE FRESH AIR INTAKE, EXHAUST AND SUPPLY AIR DUCTS PER MECHANICAL SPECIFICATIONS (15080). REFER TO SCHEDULE DRAWING FOR ERV & DUCT HEATER SCHEDULE.
5. WALL MOUNTED ELECTRIC BASEBOARD HEATER c/w TAMPERPROOF IN-BUILT THERMOSTAT SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. THE HEATING SET POINT SHALL BE 21°C (70°F) REFER TO ELECTRICAL DRAWINGS FOR SPECS. (TYP.)
6. PROVIDE 150Ø OUTSIDE/ EXHAUST AIR DUCTWORK TO ROOF AND TERMINATE AT 3 FT. ABOVE ROOF LEVEL c/w BIRD SCREEN AND GOOSE NECK. LOCATE FRESH AIR ROOF PENETRATION TO MAINTAIN 10 FEET SEPARATION FROM ANY EXHAUST.
7. PROVIDE ACOUSTICALLY INSULATED TRANSFER AIR DUCT WITHIN CEILING SPACE C/W FIRE DAMPER. SIZE INDICATED IS CLEAR INSIDE DIMENSIONS.
8. PROVIDE COMBINATION SMOKE & FIRE DAMPERS C/W REQUIRED CLEARANCES, FIRE RATED ACCESS PANELS AT INDICATED LOCATIONS. (TYP.)
9. PROVIDE MINIMUM 10 FEET LENGTH OF DUCT INSULATION FOR OUTSIDE AIR AND EXHAUST AIR DUCTS FROM POINT OF EXTERIOR PENETRATION AS PER MECHANICAL SPECIFICATIONS.
10. INSTALL RELOCATED EX.AHU C/W NEW SUPPLY, RETURN DUCT CONNECTIONS AND CONNECT TO ACTIVITY ROOM SUPPLY DUCTWORK WITH ACOUSTICAL LINING, INSULATION, VIBRATION ISOLATORS, BRANCHES, ACCESS PANEL. RELOCATE AND INSTALL THERMOSTAT WITH NEW CONTROLS WIRING. EXTEND REFRIGERANT PIPING W/ NEW FITTINGS AND INSULATION, RELOCATE CONDENSATE PUMP AND LINE TO NEW LOCATION.
11. PROVIDE NEW WALL MOUNTED DUCTLESS A/C HEAT PUMP UNIT C/W CONTROLS WIRING, ROOF CONDENSING UNIT, REFRIGERANT PIPING W/ INSULATION, ROOF PITCH POCKET, CONDENSATE PUMP, LINESET COVER.



SECOND FLOOR PHYS. ED. WASHROOM  
SCALE: 1:50

THIRD FLOOR STAFF RM WASHROOM  
SCALE: 1:50



SECOND FLOOR UNIVERSAL WASHROOM  
SCALE: 1:50

RECEIVED

DEC 15 2023

CITY OF BURLINGTON  
BUILDING DEPARTMENT

ALL CONSTRUCTION TO  
MEET ONTARIO BUILDING  
CODE REQUIREMENTS

CLIENT

Halton District School Board  
2050 Guelph Line  
Burlington, Ontario

ARCHITECT

snyder

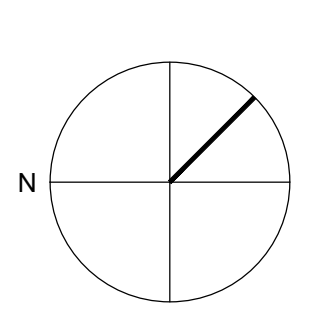
Snyder Architects Inc.  
280 King St. E. Unit A101, Toronto, ON M5A 4L5  
Tel: 416.966.5444 Fax: 416.966.4443  
www.snyderarchitects.ca

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CK ENGINEERING INC  
MECHANICAL | ELECTRICAL

2400 INDUSTRIAL STREET,  
BURLINGTON, ON L7P 1A5  
www.ckeng.com | info@ckeng.net | 905.631.1115

CONSTRUCTION NORTH



PROFESSIONAL STAMP



GENERAL NOTE:  
DRAWINGS, SPECIFICATIONS AND SCHEDULES ARE COMPLEMENTARY EACH TO THE OTHER AND WHAT IS CALLED FOR BY ONE TO BE SHOWN AS IF CALLED FOR BY ALL. SHOULD ANY DISCREPANCY APPEAR BETWEEN DOCUMENTS WHICH LEAVES DOUBT AS TO THE INTENT OF MEANING, ASIDE BY PRECEDENCE OF DOCUMENT OR OBTAIN DIRECTION FROM THE CONSULTANT. REFER TO COVER SHEET A-000 FOR FULL LIST OF DRAWINGS.  
EXAMINE ALL DISCIPLINE DRAWINGS, SPECIFICATIONS AND SCHEDULES AND RELATED WORK TO ENSURE THAT WORK CAN BE SATISFACTORILY EXECUTED. CONTRACTS OR ADDITIONAL WORK BEYOND WORK DESCRIBED TO BE BROUGHT TO ATTENTION OF CONSULTANT.

NO.	DESCRIPTION	DATE
5.	RE-ISSUED FOR PERMIT	23.12.13
4.	RE-ISSUED FOR PERMIT	23.10.30
3.	RE-ISSUED FOR PERMIT	23.08.08
2.	ISSUED FOR PERMIT/ CCO#7	23.06.07
1.	ISSUED FOR PROGRESS	23.04.28

REVISION SCHEDULE

CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND TO REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. DRAWINGS ARE NOT TO BE SCALED. CONTRACT DOCUMENTS REMAIN THE PROPERTY OF THE CONSULTANTS AND SHALL BE RETURNED UPON COMPLETION OF THE PROJECT.

PROJECT

BURLINGTON CENTRAL  
H.S. RENOVATIONS

1433 Baldwin Street Burlington, ON

DRAWN	PROJECT NO
S.V.	2005
CHECKED	ENG PROJECT NO.
D.H.	23008
SCALE	AS NOTED

DRAWING

SECOND & THIRD  
FLOOR- HVAC NEW  
LAYOUT

M3.4