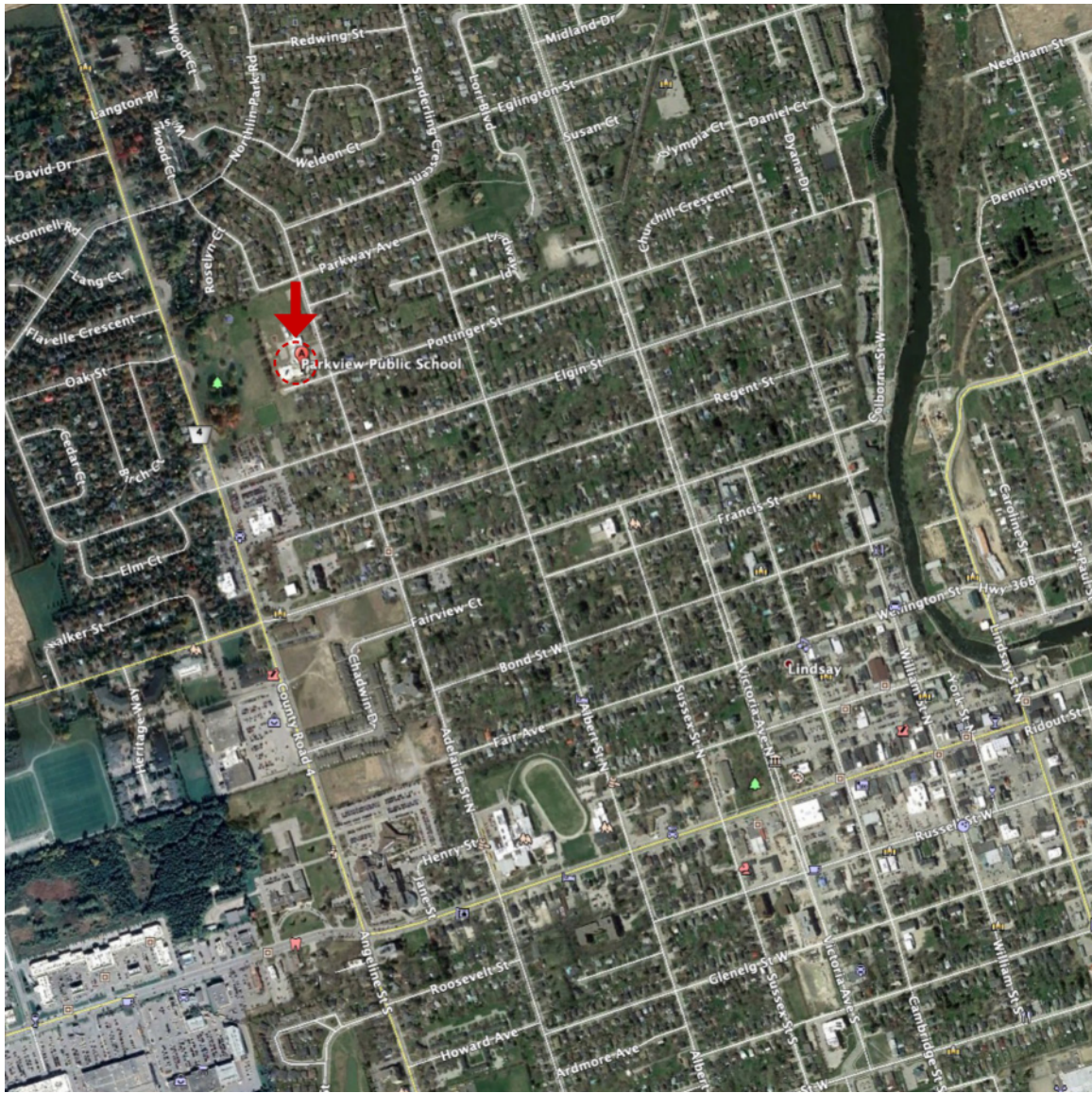


1 Keyplan
1: 300

LOCATION PLAN



Project Address: 133 Adelaide St N, Lindsay, ON K9V 4M2

GENERAL NOTES

1. THESE DRAWINGS FORM PART OF THE CONTRACT DOCUMENTS. REFER TO THE CONTRACT FOR THE COMPLETE LIST OF CONTRACT DOCUMENTS AND THEIR RELATED HIERARCHY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO READ AND UNDERSTAND THE CONTRACT DOCUMENTS IN THEIR ENTIRETY AND REQUEST CLARIFICATION FROM THE CONSULTANT WHERE NECESSARY.
2. THESE DRAWINGS, THE APPENDIX A - DETAIL BOOKLET, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND THE SPECIFICATION PROJECT MANUAL ARE TO BE READ IN CONJUNCTION WITH ONE ANOTHER IN THEIR ENTIRETY.
3. DRAWINGS ARE NOT TO BE SCALED. WHERE DIMENSIONS ARE IN QUESTION THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE CONSULTANT BEFORE PROCEEDING.
4. KEYNOTES IN THE DRAWINGS ARE TIED TO THE RELEVANT SPECIFICATION SECTION AND ARE TO BE READ IN CONJUNCTION WITH THE REQUIREMENTS OF THE SPECIFICATIONS.
5. LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS, UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO RETAIN ONE SET OF THE COMPLETE SET OF CONTRACT DOCUMENTS ON SITE AT ALL TIMES FOR REFERENCE INCLUDING ANY CLARIFICATIONS OR MODIFICATIONS ISSUED DURING CONSTRUCTION IN THE FORM OF SUPPLEMENTARY INSTRUCTIONS AND/OR CHANGE ORDERS/DIRECTIVES.

DIMENSIONING CONVENTIONS

- A. ALL DIMENSIONS ON ARCHITECTURAL DRAWINGS ARE CLEAR MEASUREMENTS TO FINISHED FACE UNLESS OTHERWISE NOTED.
- B. CONTRACTOR IS TO ENSURE ALL CODE REQUIRED MINIMUM CLEARANCES ARE MAINTAINED IN THE WORK. NOTIFY CONSULTANT WHERE CLEAR OR CRITICAL DIMENSIONS ARE DESIGNATED BUT CANNOT BE ACHIEVED FOR REVIEW AND DIRECTION.
- C. DRAWINGS ARE NOT TO BE SCALED. VERIFY ANY MISSING OR CONFLICTING DIMENSIONS WITH THE ARCHITECT/CONSULTANT PRIOR TO PROCEEDING WITH THE WORK.
- D. MAINTAIN CONSISTANT FINISHED FLOOR DATUM THROUGHOUT THE PROJECT AREA SUCH THAT DIMENSIONS INDICATED AS ABOVE FINISHED FLOOR (AFF) ARE REFERENCED FROM THE SAME DATUM TO MAINTAIN ALIGNMENT OF ELEMENTS HORIZONTALLY.
- E. CONTRACTOR TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING WORK. REPORT ALL DISCREPANCIES TO THE CONSULTANT FOR CLARIFICATION PRIOR TO COMMENCING WORK.
- F. REFER TO APPENDIX A: DETAILS FOR TYPICAL MOUNTING HEIGHTS. BUILDING CODE REQUIRED MINIMUM CLEARANCE ARE TO BE MAINTAINED.

ARCHITECTURAL

#	Sheet
A000	Cover Sheet
A010	Code Compliance
A020	Rm 120-121 DEMOLITION
A200	Rm 120-121 NEW WORK
A201	Rm 128 - 130 NEW WORK
A900A	Rm 120, 121 and 122 FINISHES
A900B	Rm 120-121 FINISHES
A901	Rm 128-130 FINISHES
A902A	Rm 128-130 FINISHES
A902B	Rm 128-130 FINISHES
A903	Rm 133, 134, 135 FINISHES
APPENDIX A	DETAILS

STRUCTURAL

#	Sheet
G1	STRUCTURAL UPGRADES AND REPAIRS GENERAL NOTES
S1	STRUCTURAL UPGRADES AND REPAIRS RM 120, 121, 128, 130
APPENDIX B	REFERENCE BOOKLET

MECHANICAL

#	Sheet
M01A	MECHANICAL LEGEND, DRAWING LIST, KEY PLAN, SCHEDULE, DETAIL
M01B	PLUMBING FIXTURE SPECIFICATION
M02	EXISTING MECHANICAL PLAN - RM 120&121&122
M03	PROPOSED MECHANICAL PLAN - RM 120&121&122
M04	EXISTING MECHANICAL PLAN - RM 128&129a&130&133&134&135
M05	PROPOSED MECHANICAL PLAN - RM 128&129a&130&133&134&135

ELECTRICAL

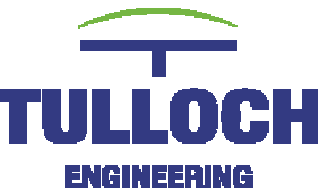
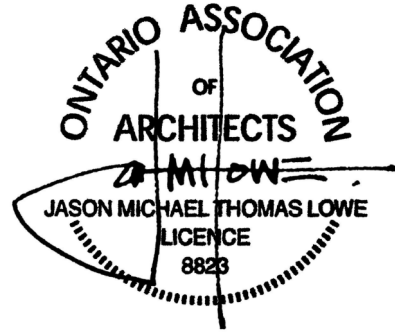
#	Sheet
E01	KEY PLAN, DRAWING LIST, LEGEND & DETAILS - ELECTRICAL
E02	ELECTRICAL LAYOUTS - ROOM 120, 121 & 122
E03	ELECTRICAL LAYOUTS - ROOM 128, 130, 133, 134 & 135



ARCHITECTURE

Jason Lowe Architect Inc.
77 Main Street East
Huntsville, Ontario
P1H 1V7

Contact: Jason Lowe
T: 705.571.1465
jason@jasonlowearchitect.com



STRUCTURAL

TULLOCH Engineering Inc.
80 Main Street - West,
Huntsville, ON P1H 1W9

Contact: Frank Palmay
T: 705.789.7851 ext. 433
frank.palmay@TULLOCH.ca | TULLOCH.ca



MECHANICAL and ELECTRICAL

HL Engineering Ltd.
14721 Woodbine Ave
Stouffville, ON Canada
L4A 2G7

Contact: Ming Jia Li, P.Eng.
Tel: 905-713-0003
mjli@hlengineering.ca



OWNER

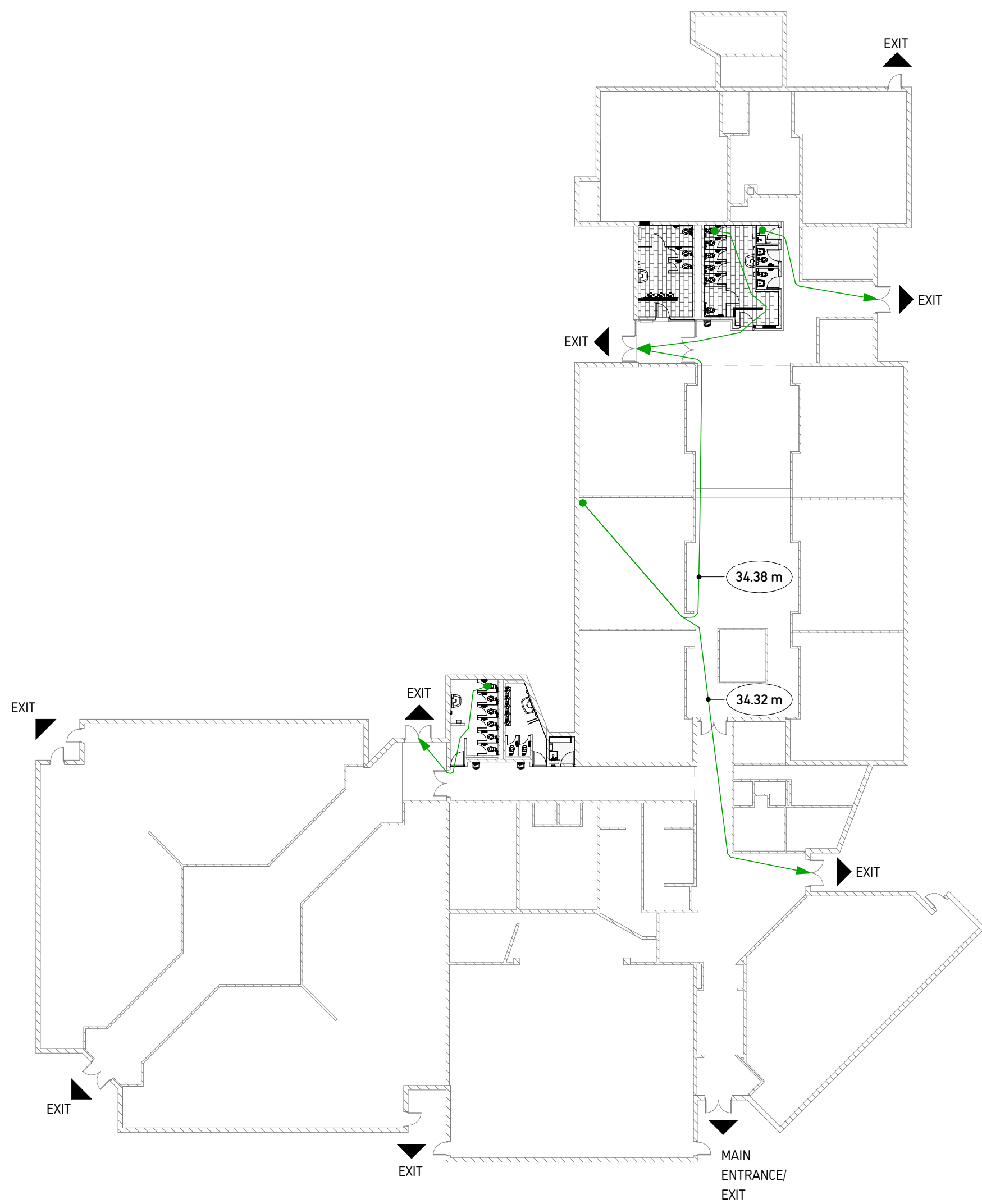
Trillium Lakelands District School Board
P.O. Box 420
300 County Road 36
Lindsay, ON
K9V 4S4

Contact: Dan Whalen
T: 705.641.1996
daniel.whelan@tldsdb.on.ca

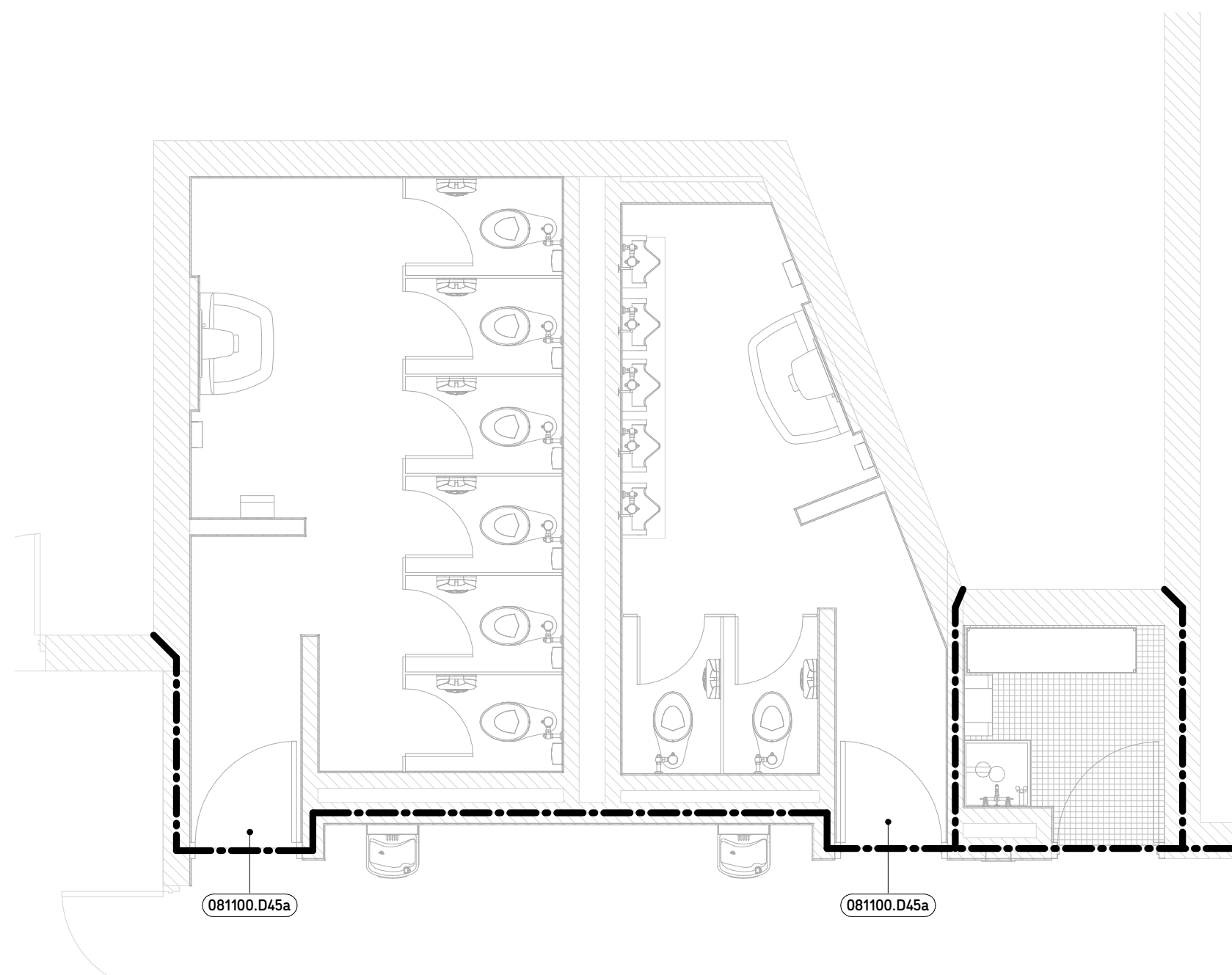
Parkview Public School Washroom Renewal

Lindsay, Ontario

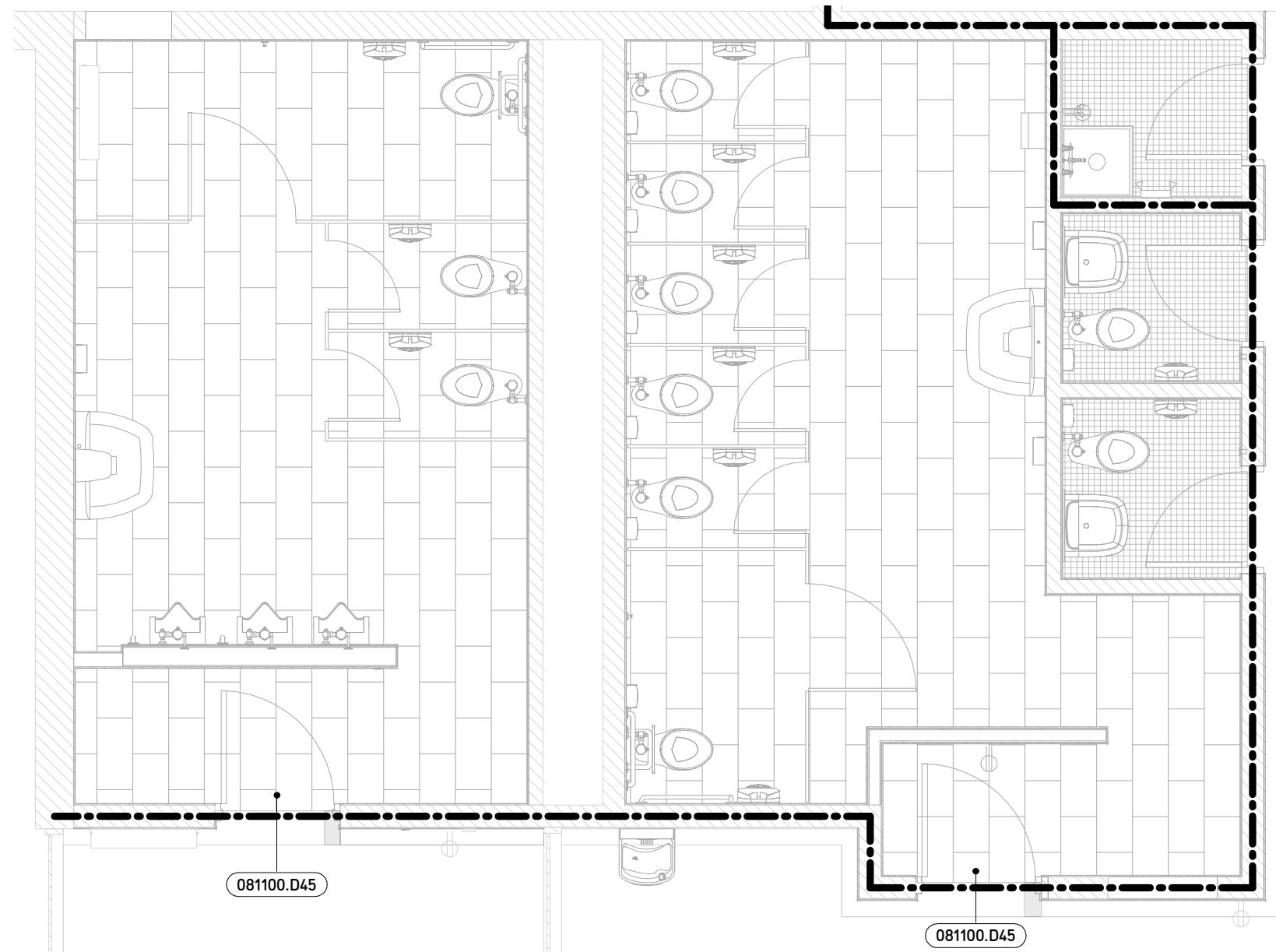
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1 Egress Plan
1:300



2 Rm 120-121-122 FIRE SEPARATIONS
1:50



3 Rm 128-130 FIRE SEPARATIONS
1:50

KEYNOTES

Key Value	Keynote Text
081100.D45	New 45 Min FRR door and frame c/w power door operator and integrated hold open tied to fire alarm system to release on FA signal.
081100.D45a	New 45 Min FRR door and frame c/w door closer with integrated hold open tied to fire alarm system to release on FA signal.

GENERAL NOTES

1. ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE ONTARIO BUILDING CODE 2012 AND THE AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.
2. FOR GENERAL NOTES, SYMBOLS AND ARCHITECTURAL ABBREVIATIONS REFER TO APPENDIX A: DETAILS.
3. INDICATED FIRE SEPARATIONS AND ASSEMBLIES ARE TO BE CONTINUOUS AND UNINTERRUPTED.
4. FIRE SEPARATIONS/FIRE STOPPING. ALL NEW AND EXISTING PENETRATIONS THROUGH WALLS, FLOORS AND/OR CEILINGS DESIGNATED AS FIRE SEPARATIONS, NEW OR EXISTING EXPOSED DURING DEMOLITION, SHALL BE FIRE STOPPED AND SMOKE SEALED USING ULC TESTED AND APPROVED SYSTEM. PATCH AND REPAIR ALL FIRE PROOFING AT BUILDING STRUCTURE WHERE MISSING OR DAMAGED TO MAINTAIN REQUIRED FIRE RATING. SEE DRAWING A010. REFER TO SPECIFICATION SECTIONS 0133 00 AND 0784 00.
5. REFER TO APPENDIX A: DETAIL BOOKLET FOR CODE REQUIRED MOUNTING HEIGHTS FOR ALL WASHROOM FIXTURES, ACCESSORIES AND DOOR CONTROLS.
6. COORDINATE ALL SERVICE PENETRATIONS, FIRE DAMPERS IN FIRE SEPARATIONS WITH MECHANICAL AND ELECTRICAL SCOPE.
7. REFER TO DOOR SCHEDULE AND SPECIFICATIONS FOR REQUIRED RATED DOORS, FRAMES AND RELATED HARDWARE.

LEGEND

- 0 HR FRR FIRE SEPARATION (SMOKE SEAL)
- 45 MIN FRR FIRE SEPARATION
- 1 HR FRR FIRE SEPARATION
- 1-1/2 HR FRR FIRE SEPARATION
- 2 HR FRR FIRE SEPARATION
- 2 HR FRR FIRE WALL
- EGRESS PATH
- EXIT

ONTARIO BUILDING CODE DATA MATRIX PART 11

11.00	Building Code Version:	0. Reg 332/12	Last Amendments:	0. Reg 139/17, 0. Reg 88/19	OBC Ref.
11.01	Project Type:	<input type="checkbox"/> New <input type="checkbox"/> Change of Use	<input type="checkbox"/> Addition <input type="checkbox"/> Addition and Renovation	<input checked="" type="checkbox"/> Renovation	[A] 11.2.
	Description:	WASHROOM RENOVATION			
11.02	Major Occupancy Classification	Occupancy Assembly (A2)	Use Elementary school		3.12.1. (1)
11.03	Superimposed Major Occupancies	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Description:		3.2.2.7.
11.04	Building Area (m ²)	No changes to building area			[A] 1.4.1.2.
11.05	Building Height	1 Storeys above grade	0 Storeys below grade	Existing - no change	[A] 1.4.1.2. & 3.2.1.1.
11.06	Number of streets/ Firefighter access	street(s)	Existing - no change		3.2.2.10 & 3.2.5.
11.07	Building size	<input type="checkbox"/> Small <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Large	<input type="checkbox"/> > Large		7.11.2.1.1.B-N
11.08	Existing Building Classification	Change in Major Occupancy: <input type="checkbox"/> Yes Construction Index: <input checked="" type="checkbox"/> Not applicable (no change of major occupancy) Hazard Index: <input type="checkbox"/> Low Importance Category: <input type="checkbox"/> Normal <input type="checkbox"/> High <input type="checkbox"/> Post-Disaster			11.2.1.1.
11.09	Renovation Type	<input checked="" type="checkbox"/> Basic Renovation <input type="checkbox"/> Extensive Renovation			11.3.3.1. 11.3.3.2.
11.10	Occupant Load	Floor Level/Area	Occ. Type	Based On	Occ. Load (Persons)
		Entire School	A2	OTG (On the ground capacity/Design occupancy)	460 persons
11.11	Plumbing Fixture Requirements	Ratio: Male:Female = 50:50			3.7.4.5
		Floor Level/Area	Occupant Load	OBC Reference	Fixtures Required Fixtures Existing Fixtures Provided
		Entire School	460		
		F	230	3.7.4.3 (14)	9 18 16 (-2)
		M	230	3.7.4.3 (14)	8 16 15 (-1)
11.12	Barrier-free Design	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Explanation:	The four washrooms are being upgraded to suit current barrier free code requirements including new power door operators, wider doorways and enlarged barrier free stalls, barrier free plumbing fixtures and accessories.	3.8
11.13	Reduction in Performance Level	Structural: <input checked="" type="checkbox"/> No By increase in occupant load: <input checked="" type="checkbox"/> No By change of major occupancy: <input checked="" type="checkbox"/> No Plumbing: <input checked="" type="checkbox"/> No Sewage systems: <input checked="" type="checkbox"/> No Extension of combustible construction: <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes		11.4.2.1. 11.4.2.2. 11.4.2.3. 11.4.2.4. 11.4.2.5. 11.4.2.6.
11.14	Compensating Construction:	<input type="checkbox"/> No Structural: <input checked="" type="checkbox"/> Yes By increase in occupant load: <input checked="" type="checkbox"/> No By change of major occupancy: <input checked="" type="checkbox"/> No Plumbing: <input type="checkbox"/> No Sewage systems: <input checked="" type="checkbox"/> No Extension of combustible construction: <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes	Upgrade to lintels above new doors B/F stalls and universal WC	11.4.3.1. 11.4.3.2. 11.4.3.3. 11.4.3.4. 11.4.3.5. 11.4.3.6. 11.4.3.7.
11.14	Compliance Alternatives Proposed:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			11.5.1
11.15	Notes:	RESERVED			11.5.1



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

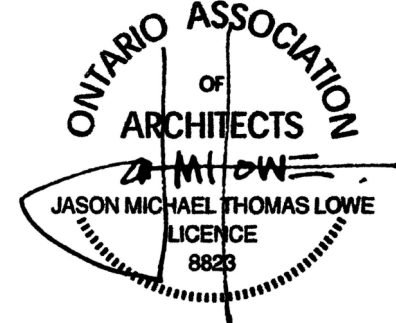
Parkview Public School Washroom Renewal

Lindsay, Ontario

TENDER and BUILDING PERMIT

TBD

Seal



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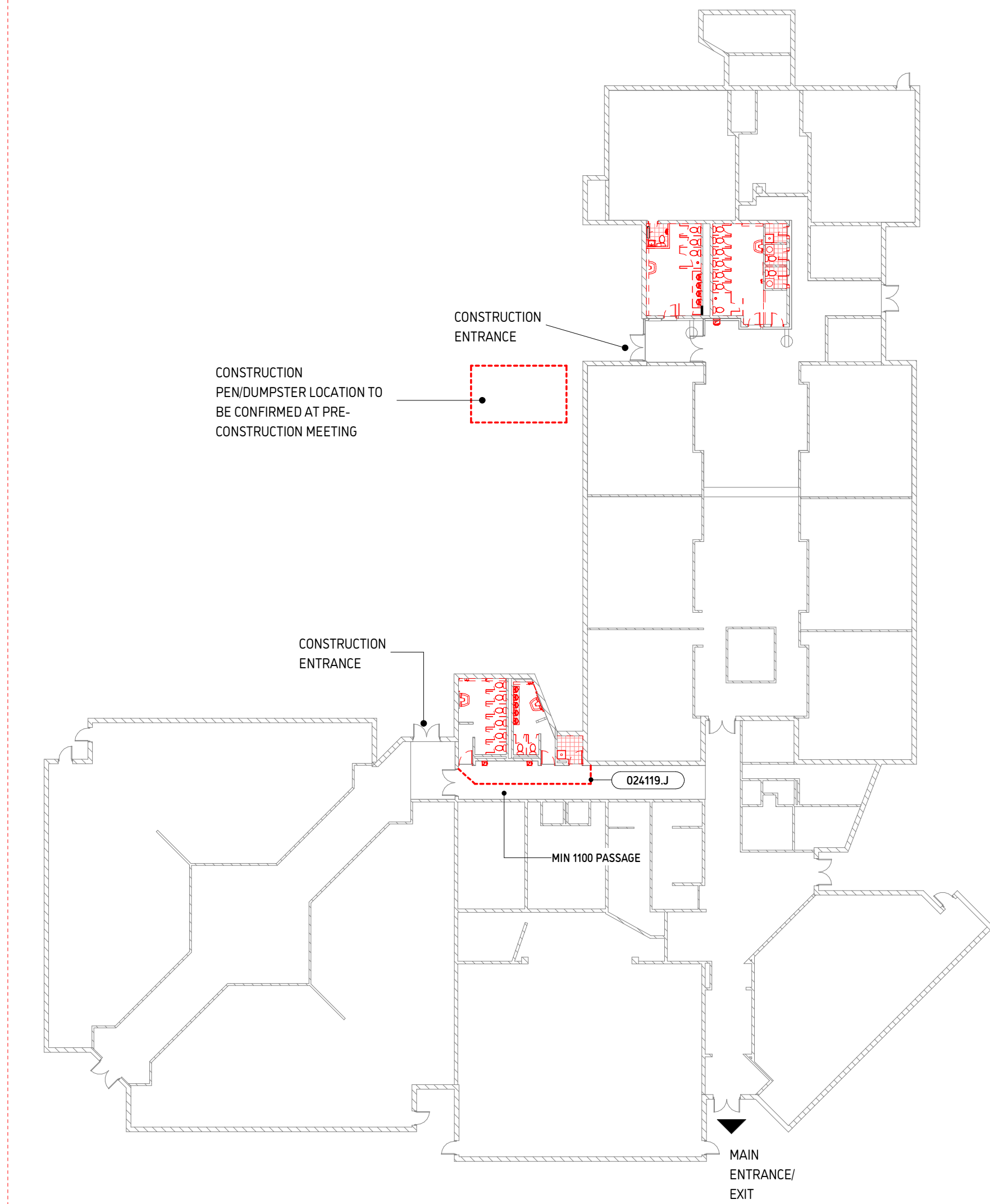
Revisions

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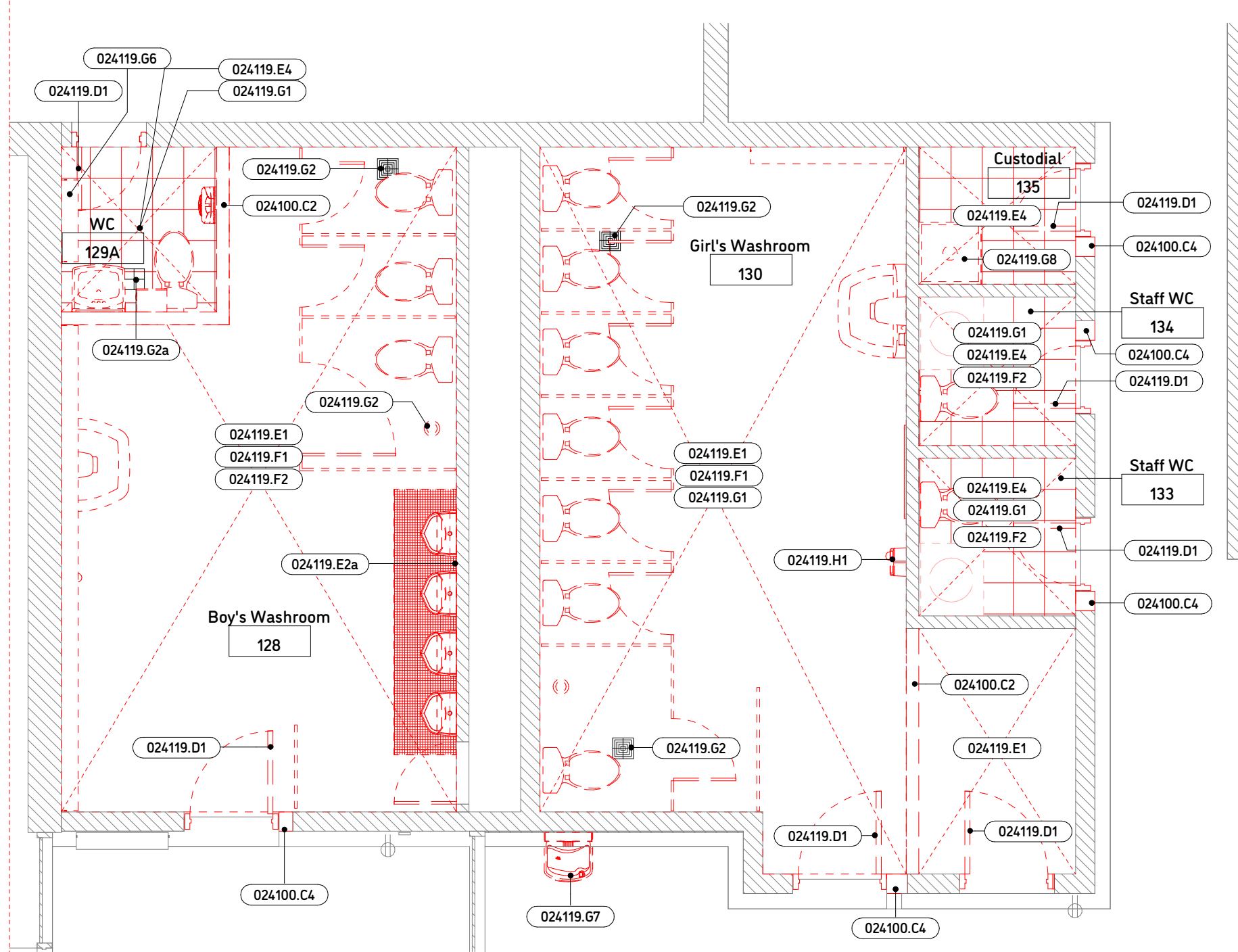
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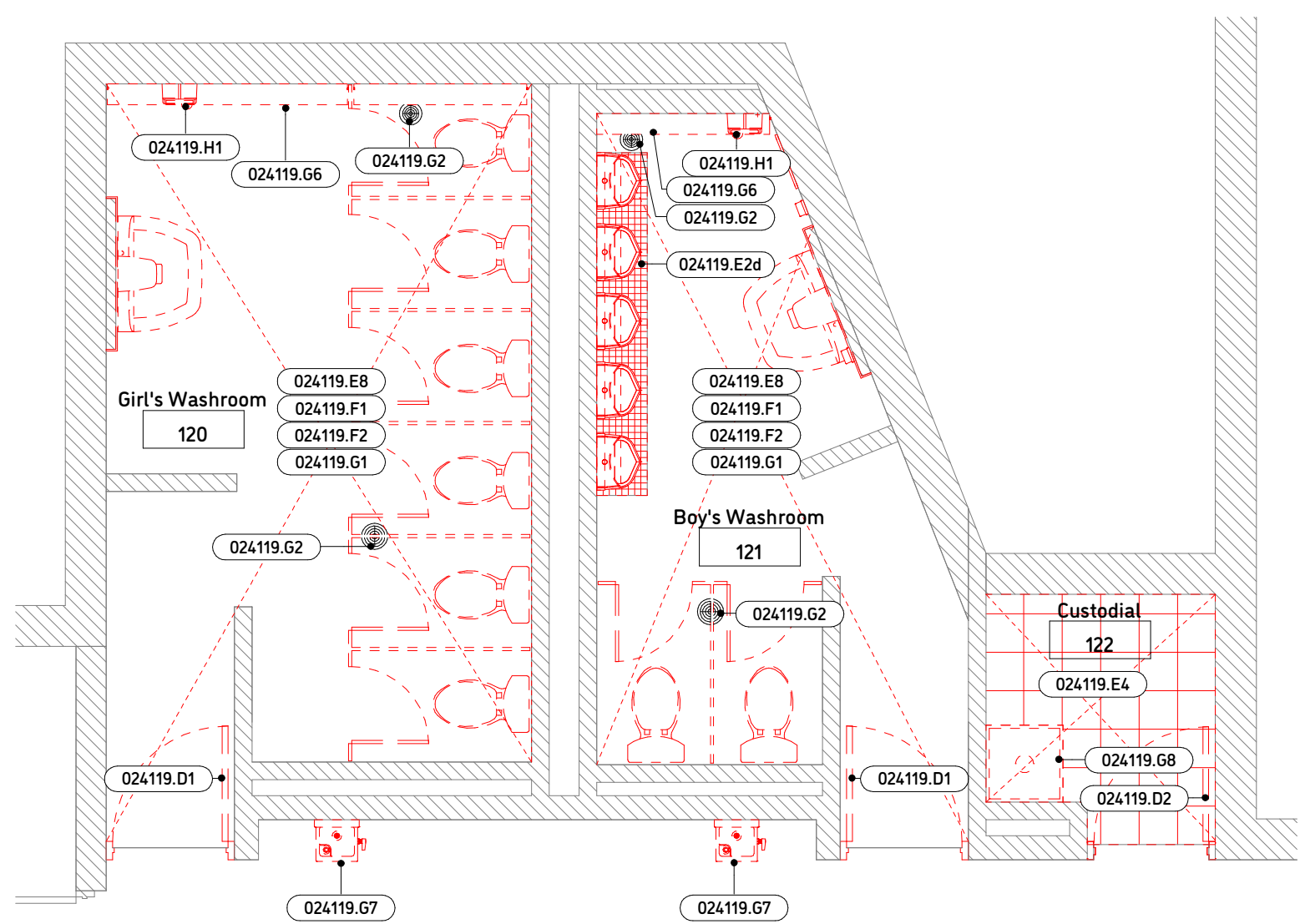
A010



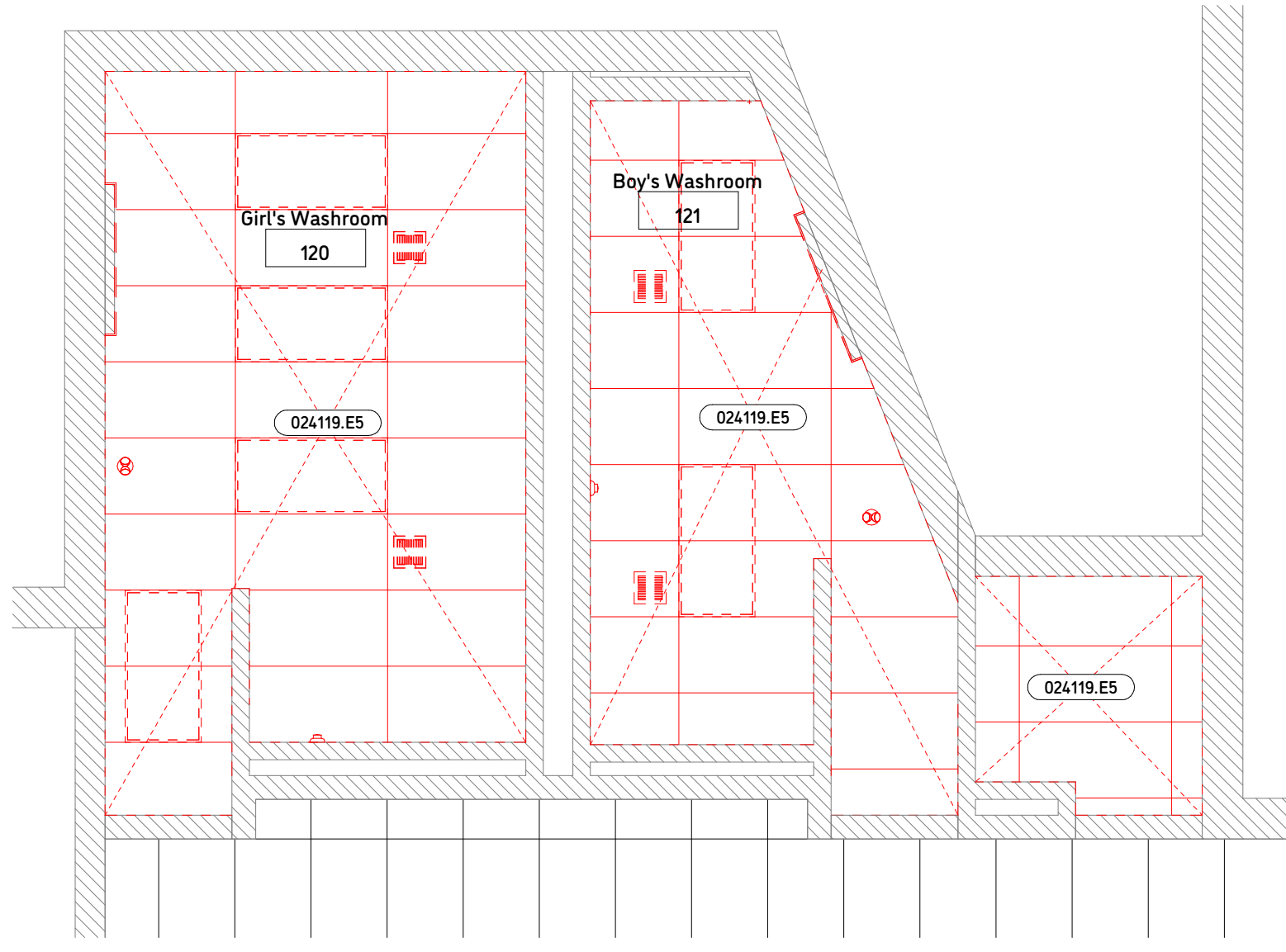
1 Demolition Keyplan
1: 300



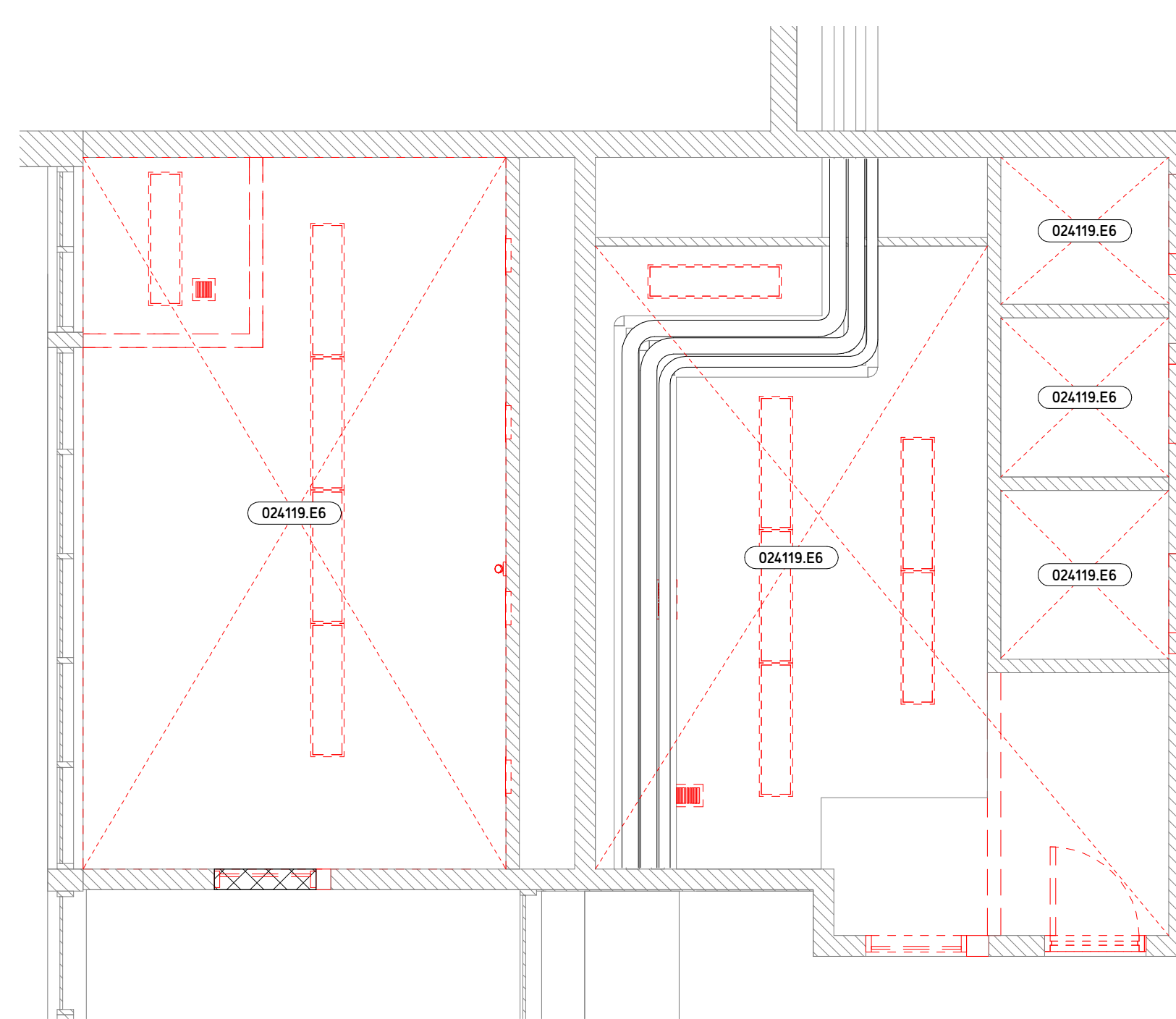
4 Floor Plan Rm 128-130 DEMOLITION
1: 50



2 Rm 120-121-122 DEMOLITION
1: 50



3 RCP Rm 120-121-122 DEMOLITION
1: 50



5 RCP Rm 128-130 DEMOLITION
1: 50

Key Value	Keynote Text
024100.C2	ASSUMED STEEL STUD/WOOD PARTITION. Remove completely to accommodate new work.
024100.C4	WIDENED DOOR OPENING. Remove portion of wall as required to accommodate new work. Refer to structural for new lintel requirements. Provide engineered shoring as required.
024119.D1	DOOR. Remove existing door and hardware, retain frame for re-use in new work.
024119.D2	DOOR. Remove existing door and hardware, retain frame for re-use in new work.
024119.E1	TERRAZZO FLOOR FINISH (EXT). Existing terrazzo floor finish to be removed. Terrazzo substrate to be reviewed with Consultant at time of demolition to determine extent of drypack/concrete topping removal. Assume 38mm thickness of drypack/concrete topping removal. Concrete topping suitable as substrate for new tile to be chipped/scarified to suite installation of new tile for flush installation to adjacent existing finishes to remain. Refer to new work for new concrete topping/leveling compound requirements.
024119.E2a	TILE FINISH. Existing floor and wall tile finish to be removed unless noted otherwise. Refer to new work for new substrate otherwise prepare existing to receive new finish.
024119.E2d	TILE FINISH. Existing floor tile to be removed and substrate prepared to receive new finish.
024119.E4	VINYL COMPOSITE TILE (VCT). Remove existing VCT, scrape/remove all adhesive to expose clean substrate ready for new work.
024119.E5	ACOUSTIC TILE CEILING (ACT). Remove existing acoustic tile ceiling tiles and grid system. Retain existing hangers if in reusable condition for new work. Note: In most instances new tile layout has been designed to match original grid location to suit existing duct supply/exhaust locations. Contractor to retain grid location in new work where applicable. Refer to Mechanical and Electrical drawings for ceiling fixture/services removals.
024119.E6	GYPSON/PLASTER CEILING. Remove sections of existing gypsum/plaster ceiling for structural modifications including installation of masonry lateral supports, lintels and repair work, new partition installation and/or modifications to existing, and all M&E services new and/or existing as required to accomplish new work.
024119.E8	RUBBER BASE. Remove existing rubber base and prepare substrate for new finish.
024119.F1	TOILET/SHOWER PARTITIONS. Remove all toilet/shower partitions including floor and wall brackets, doors and related hardware. Patch/repair any holes/damage to substrate to remain.
024119.F2	WASHROOM ACCESSORIES. Remove all mirrors, grab bars, toilet paper, paper towel and soap dispensers and sanitary napkin vendor accessories. Remove all sanitary napkin disposals. Where in new condition turn over to Owner or retain for reuse as directed by the Consultant. Where accessories are recessed into wall patch/repair/infill void as required to prepare for new finish.
024119.G1	PLUMBING FIXTURES. In general all plumbing fixtures are to be removed. Refer to Mechanical for complete removal scope.
024119.G2	FLOOR DRAINS/CLEANOUTS. Neatly saw-cut/chip out concrete to remove floor drain as required for re-installation of new.
024119.G6	RADIATORS/UNIT HEATERS/COVERS. Refer to mechanical for demolition scope. Where directed retain existing rad cover for refinishing and reinstallation in new work. Where recessed into wall, fill/patch void with similar adjacent material and prepare to receive new finish.
024119.G7	DRINKING FOUNTAIN. Remove existing drinking fountain. SALVAGE if newer type and in good condition review with Consultant if unit is to be retained for Owner.
024119.G8	MOP SINK. Remove æ" refer to Mechanical for complete demolition scope.
024119.H1	HAND DRYER. Remove hand dryer and associated fasteners, repair substrate as required for new work. Refer also to Electrical.
024119.J	HOARDING. Provide dustproof hoarding around local job area for duration of project. Refer to Appendix A: Details for further information. Provide plywood access door c/w hardware to secure jobsite from entry by students. If lock provided ensure that Owner is provided with a key on site for access at all times to the construction area. Ensure minimum 1100mm clear in corridors to maintain means of egress.

- ### PRE-CONSTRUCTION REQUIREMENTS
- SITE REVIEWS.** REFER TO SPECIFICATION FOR LIST OF REQUIRED ON SITE REVIEWS THAT THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE CONSULTANT.
 - DRAINAGE INSPECTIONS.** A PRE-CONSTRUCTION DRAINAGE INSPECTION IS REQUIRED PRIOR TO DEMOLITION TO DETERMINE THE CONDITION OF THE EXISTING UNDERSLAB DRAINAGE SYSTEM. PROVIDE TO THE CONSULTANT A DRAINAGE INSPECTION REPORT INCLUDING CAMERA VIDEOS OF EXISTING CONDITIONS PRIOR TO MODIFICATION/REMOVAL OF EXISTING SYSTEMS. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.
 - AIR FLOW TESTS.** A PRE-CONSTRUCTION AIR FLOW TEST IS REQUIRED PRIOR TO CONSTRUCTION. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS.

- ### DEMOLITION NOTES
- READ THESE DRAWINGS IN CONJUNCTION WITH NEW WORK AND ADDITIONAL DEMOLITION SCOPE DESCRIBED IN STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
 - CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION ENGINEERING INCLUDING SHORING AND SCANNING OF EXISTING SUSPENDED SLABS TO PERFORM DEMOLITION WORK. REFER TO STRUCTURAL FOR FURTHER INFORMATION.
 - DEMOLITION FLOOR PLAN DRAWINGS GENERALLY INDICATE THE EXISTING STATE OF THE EXISTING BUILDING. DIAGONAL HATCHED WALLS INDICATE APPROXIMATE EXTENT OF EXISTING CONSTRUCTION TO REMAIN UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, EXTENT OF DEMOLITION AND REMOVALS ON SITE PRIOR TO WORK PROCEEDING.
 - BROKEN OR DASHED LINES GENERALLY INDICATE REMOVALS. SCOPE TO INCLUDE REMOVALS AS REQUIRED TO ACHIEVE NEW WORK.
 - PROVIDE TEMPORARY BRACING AND SHORING TO SUPPORT EXISTING CONSTRUCTION TO ALLOW FOR NEW CONSTRUCTION AS INDICATED ON DRAWINGS. CONTRACTOR RESPONSIBLE FOR ALL CONSTRUCTION ENGINEERING REQUIRED TO PERFORM WORK OF CONTRACT. REFER TO STRUCTURAL.
 - REFER TO OWNER'S REQUIREMENTS FOR HAZARDOUS MATERIALS PROCEDURES.
 - UPON REMOVAL OF WALL AND CEILING FINISHES THE CONTRACTOR IS TO EXAMINE ALL WALLS TO IDENTIFY ANY EXISTING DEFICIENCIES IN DESIGNATED FIRE SEPARATIONS AND BRING THEM TO THE ATTENTION OF THE CONSULTANT. REPAIR AND REINSTATEMENT OF FIRE SEPARATION/FIRE STOPPING INTEGRITY WILL BE ADDRESSED THROUGH CONTINGENCY/CASH ALLOWANCE.
 - ACCESS DOORS. EXISTING ACCESS DOORS IN WALLS AND CEILING ARE TO BE NOTED AND DIMENSIONED IN PLAN BY CONTRACTOR ON AS-BUILTS AND COORDINATED WITH MECHANICAL AND ELECTRICAL TRADES FOR RE-USE IN NEW WORK IF REQUIRED. IF NOT REQUIRED NOTIFY CONSULTANT. ABANDONED ACCESS DOOR PENETRATIONS IN WALLS TO BE FILLED/REPAIRED AS REQUIRED TO SUPPORT NEW FINISH OVER.

- SLAB CUTTING AND UNDERSLAB DRAINAGE WORK. REFER TO MECHANICAL. SCOPE OF WORK TO INCLUDE DRAINAGE INSPECTION, VIDEO DOCUMENTATION AND REPORT OF EXISTING UNDERSLAB DRAINAGE SYSTEMS IN AREA OF WORK TO BE FORWARDED TO CONSULTANT PROMPTLY FOR REVIEW.
BID PRICE TO INCLUDE:
a) SELECTIVE AND CLEAN CUTTING AND REMOVAL OF SLAB TO ACHIEVE NEW WORK INDICATED IN MECHANICAL DRAWINGS AND SPECIFICATIONS.
b) ASSUME EXCAVATION/TRENCHING TO APPROXIMATELY 600mm BELOW SLAB TO EXPOSE UNDERSLAB DRAINAGE OR INSTALL NEW AS INDICATED IN THE MECHANICAL DRAWINGS.
c) BACKFILL. SUBSURFACE MATERIAL CONDITION IS TO BE REVIEWED BY CONSULTANT PRIOR TO BACKFILL. REFER TO STRUCTURAL. REFER TO STRUCTURAL FOR BACKFILL REQUIREMENTS.
d) NEW SLAB INFILL - REFER TO STRUCTURAL FOR DETAILS.
- REFER TO APPENDIX A: DETAILS FOR HOARDING DETAILS. CONTRACTOR TO PROVIDE PLYWOOD OR OTHER DUST-PROOF TYPE DOOR INTO EACH HOARDED ZONE. IF KEY REQUIRED FOR ACCESS, CONTRACTOR IS TO PROVIDE TLOSB ON-SITE STAFF WITH A KEY FOR ACCESS TO THE WORK SITE(S) AT ALL TIMES.
- WASHROOM ACCESSORIES. IN GENERAL ALL WASHROOM ACCESSORIES TO BE REMOVED UNLESS OTHERWISE NOTED.



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

Parkview Public School Washroom Renewal

Lindsay, Ontario

TENDER and BUILDING PERMIT

TBD

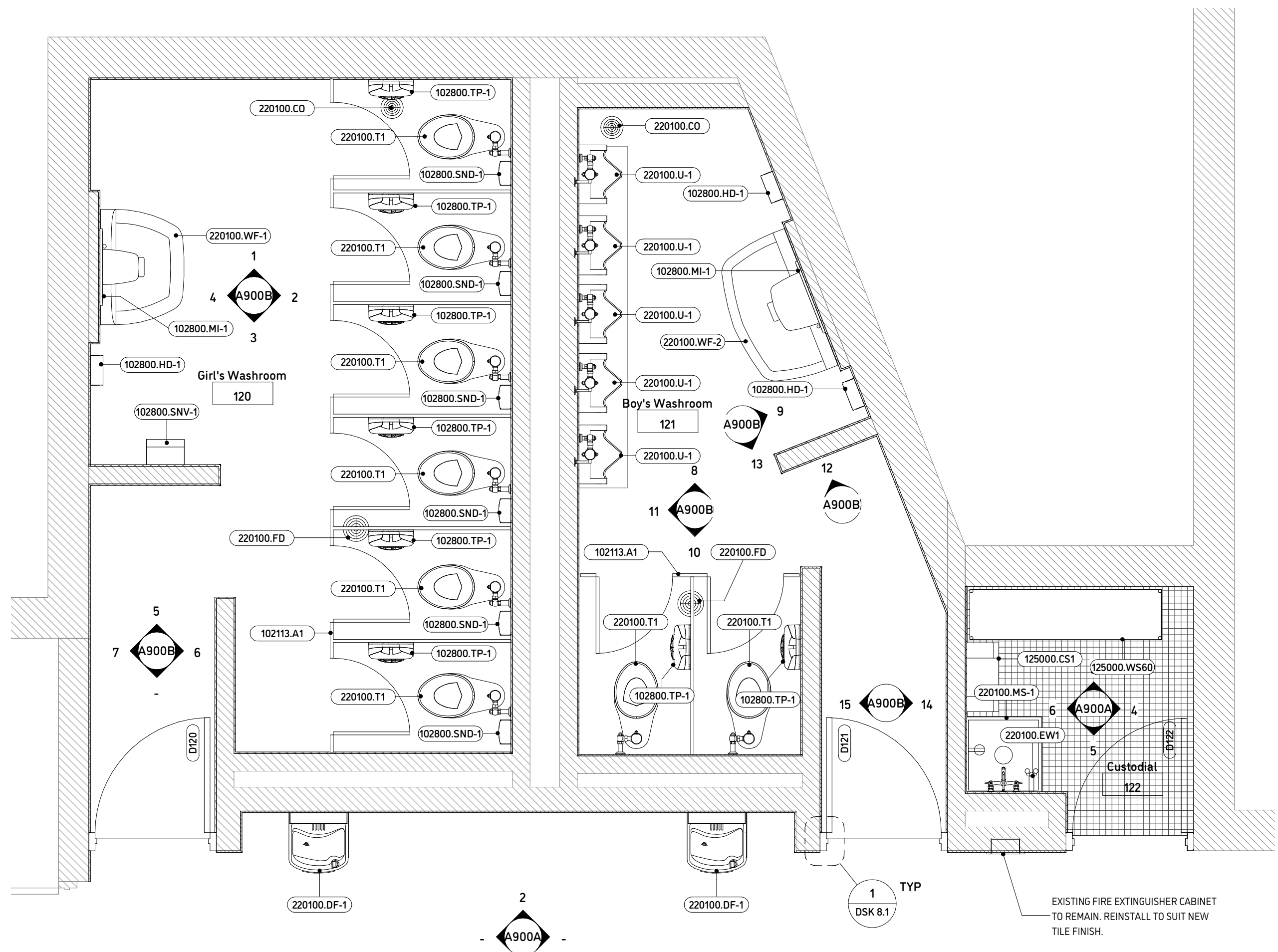
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Revisions	

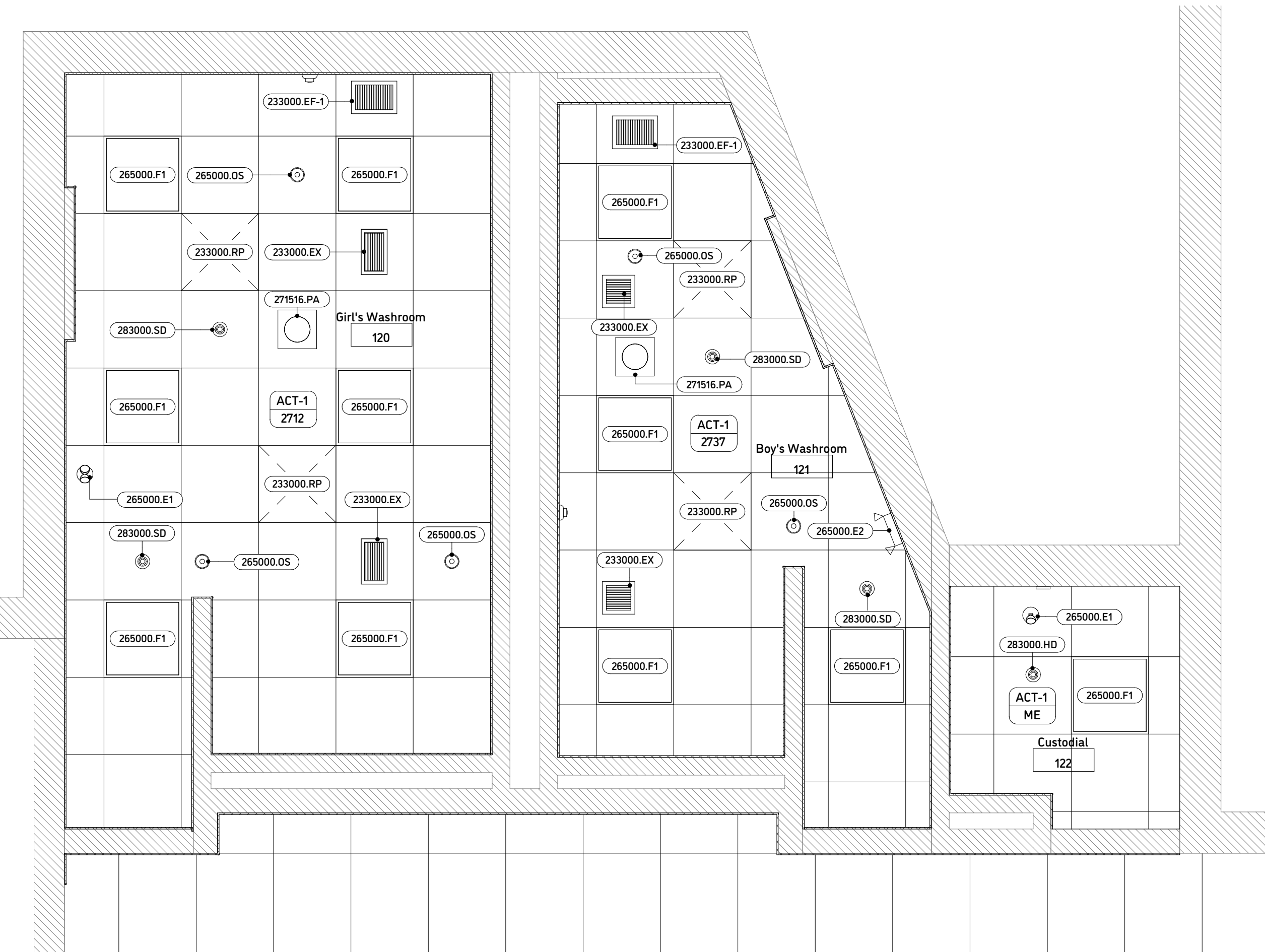
Rm 120-121 DEMOLITION

A020



1 Floor Plan Rm 120-121-122 NEW WORK

1:30



2 RCP Rm 120-121-122 NEW WORK

1:30

GENERAL NOTES - FLOOR PLAN

- ALL WORK SHALL COMPLY WITH THE LATEST VERSION OF THE ONTARIO BUILDING CODE, REFERENCED STANDARDS, AND MANUFACTURER'S INSTRUCTIONS.
- ALL DRAWINGS SHALL BE FULLY COORDINATED BY CONTRACTOR TO VERIFY ALL DIMENSIONS AND WORK BY ALL TRADES.
- COORDINATE LOCATIONS OF NEW FLOOR, WALL AND ROOF OPENINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND LATEST REVIEWED SHOP DRAWINGS.
- THE CONTRACT DOCUMENTS ARE TO BE READ AS A WHOLE. REFER TO CONTRACT FOR HIERARCHY OF INFORMATION. ARCHITECTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. WHERE CONFLICTS ARE ENCOUNTERED BETWEEN DISCIPLINES THE CONTRACTOR IS TO REQUEST CALRIFICATION FROM THE CONSULTANT IN WRITING.
- DETAILS AND SECTIONS ON THE DRAWINGS ARE INDICATED AT SPECIFIC LOCATIONS. DETAILS NOTED "TYPICAL" OR "TYP." IMPLY SIMILAR CONDITIONS TO BE TREATED SIMILARLY, MODIFICATIONS TO BE MADE BY CONTRACTOR TO ACCOMMODATE MINOR VARIATIONS. WHERE SIGNIFICANT DIFFERENCES ARE ENCOUNTERED DUE TO SITE CONDITION CONTACT CONSULTANT FOR REVIEW AND DIRECTION PRIOR TO PROCEEDING.
- FIRE SEPARATIONS/FIRE STOPPING. ALL NEW AND EXISTING PENETRATIONS THROUGH WALLS, FLOORS AND/OR CEILINGS DESIGNATED AS FIRE SEPARATIONS, NEW OR EXISTING EXPOSED DURING DEMOLITION, SHALL BE FIRE STOPPED AND SMOKE SEALED USING ULC TESTED AND APPROVED SYSTEMS. PATCH AND REPAIR ALL FIRE PROOFING AT BUILDING STRUCTURE WHERE MISSING OR DAMAGED TO MAINTAIN REQUIRED FIRE RATING. SEE DRAWING A010. REFER TO SPECIFICATION SECTIONS 01 33 00 AND 07 84 00.
- COORDINATE AND SEQUENCE INSTALLATION OF ALL BLOCKING REQUIRED BY NEW WORK WITH ELEVATIONS AND DETAILS.
- ACCESS PANELS/DOORS. NOT ALL REQUIRED OR EXISTING ACCESS PANELS, DOORS OR COVERS MAY BE INDICATED ON THE DRAWINGS. CONTRACTOR TO COORDINATE ACCESS DOOR AND PANEL REQUIREMENTS WITH APPROPRIATE TRADES. WHERE CONFLICTS ARISE REQUEST CLARIFICATION FROM CONSULTANT.
- FLOOR DRAINS. REFER TO MECHANICAL. WHERE EXISTING FLOOR DRAINS ARE POSITIONED HIGH IN NEW WORK ALLOW FOR LOCAL SLAB CHIPPING AND FLOOR LEVELING TO SUIT SLOPE OR FLUSH TO NEW FINISHES INSTALL OF NEW DRAIN BODY.
- FLOOR FINISHES. FLOOR FINISHES ARE NOT INDICATED ON GENERAL FLOOR PLANS FOR CLARITY. REFER TO FLOOR FINISH PLAN(S) FOR FLOOR FINISH INFORMATION, TILE PATTERNS AND RELATED INFORMATION.

DIMENSIONING CONVENTIONS

- ALL DIMENSIONS ON ARCHITECTURAL DRAWINGS ARE CLEAR MEASUREMENTS TO FINISHED FACE UNLESS OTHERWISE NOTED.
- CONTRACTOR IS TO ENSURE ALL CODE REQUIRED MINIMUM CLEARANCES ARE MAINTAINED IN THE WORK. NOTIFY CONSULTANT WHERE CLEAR OR CRITICAL DIMENSIONS ARE DESIGNATED BUT CANNOT BE ACHIEVED FOR REVIEW AND DIRECTION.
- DRAWINGS ARE NOT TO BE SCALED. VERIFY ANY MISSING OR CONFLICTING DIMENSIONS WITH THE ARCHITECT/CONSULTANT PRIOR TO PROCEEDING WITH THE WORK.
- MAINTAIN CONSISTANT FINISHED FLOOR DATUM THROUGHOUT THE PROJECT AREA SUCH THAT DIMENSIONS INDICATED AS ABOVE FINISHED FLOOR (AFF) ARE REFERENCED FROM THE SAME DATUM TO MAINTAIN ALIGNMENT OF ELEMENTS HORIZONTALLY.
- CONTRACTOR TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING WORK. REPORT ALL DISCREPANCIES TO THE CONSULTANT FOR CLARIFICATION PRIOR TO COMMENCING WORK.
- REFER TO APPENDIX A: DETAILS FOR TYPICAL MOUNTING HEIGHTS. BUILDING CODE REQUIRED MINIMUM CLEARANCE ARE TO BE MAINTAINED.

KEYNOTES

Key Value	Keynote Text
102113.A1	
102800.HD-1	Hand Dryer [Refer to Electrical]
102800.MI-1	24" x 36" Tilt Mirror
102800.SND-1	Sanitary Napkin Disposal
102800.SNV-1	Sanitary Napkin Vending Machine
102800.TP-1	Toilet Paper Holder
125000.CS1	Chemical Mixing Station by Owner - refer to Mechanical for connections
125000.WS60	Wire Shelving 60"x 72"
220100.DF-1	Drinking Fountain DF-1
220100.EW1	Eye Wash Station by Owner - refer to Mechanical for connections
220100.MS-1	Mop Sink MS-1
220100.T1	Toilet T-1
220100.U-1	Urinal U-1
220100.WF-1	Washfountain WF-1
220100.WF-2	Washfountain WF-2
233000.EF-1	Exhaust Fan
233000.EX	Exhaust Grille
233000.RP	Radiant Panel
265000.E1	E1 Emergency Remote Light Fixture Refer to Electrical
265000.E2	E2 Emergency Light Fixture w/ Battery Unit Refer to Electrical
265000.F1	F1 Light Fixture Refer to Electrical
265000.OS	Occupancy Sensor
271516.PA	Public Address Speaker
283000.HD	Fire Alarm Heat Detector
283000.SD	Fire Alarm Smoke Detector



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

Parkview Public School Washroom Renewal

Lindsay, Ontario

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PROJECT NO: 2020.007.17
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Revisions

Title

Rm 120-121 NEW WORK

Sheet

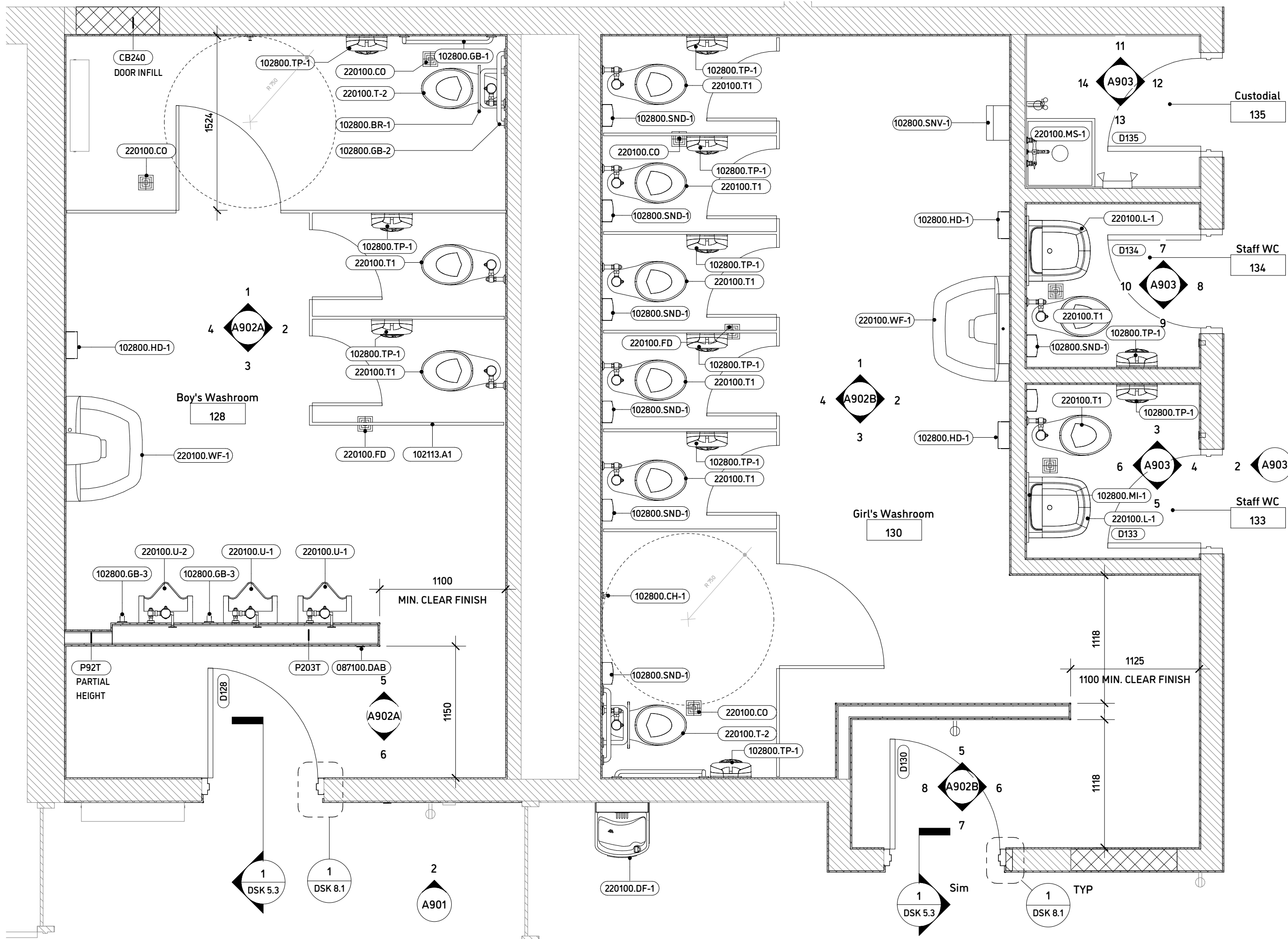
A200

Door Schedule

Door #	From	To			Door					Frame						
					Door Type	Width	Height	Thick	Material	Finish	Frame Type	Material				Frame Finish
D120	Hallway	107	Girl's Washroom	120	D1	914	2134	45	HM	PME	F1	WPSF	PME	HG #3	45 MIN	B
D121	Hallway	107	Boy's Washroom	121	D1	914	2134	45	HM	PME	F1	WPSF	PME	HG #3	45 MIN	B
D122	Hallway	107	Custodial	122	D1	914	2134	45	HM	PME	F1	WPSF	PME	HG #4	45 MIN	A,B
D128	Exit	127	Boy's Washroom	128	D1	965	2134	45	HM	PME	F1	WPSF	PME	HG #1	45 MIN	B
D130	Hallway	131	Girl's Washroom	130	D1	965	2134	45	HM	PME	F1	WPSF	PME	HG #1	45 MIN	B
D133	Hallway	131	Staff WC	133	D1	813	2134	45	HM	PME	F1	WPSF	PME	HG #5	45 MIN	B
D134	Hallway	131	Staff WC	134	D1	813	2134	45	HM	PME	F1	WPSF	PME	HG #5	45 MIN	B
D135	Hallway	131	Custodial	135	D1	813	2134	45	HM	PME	F1	WPSF	PME	HG #4	45 MIN	B

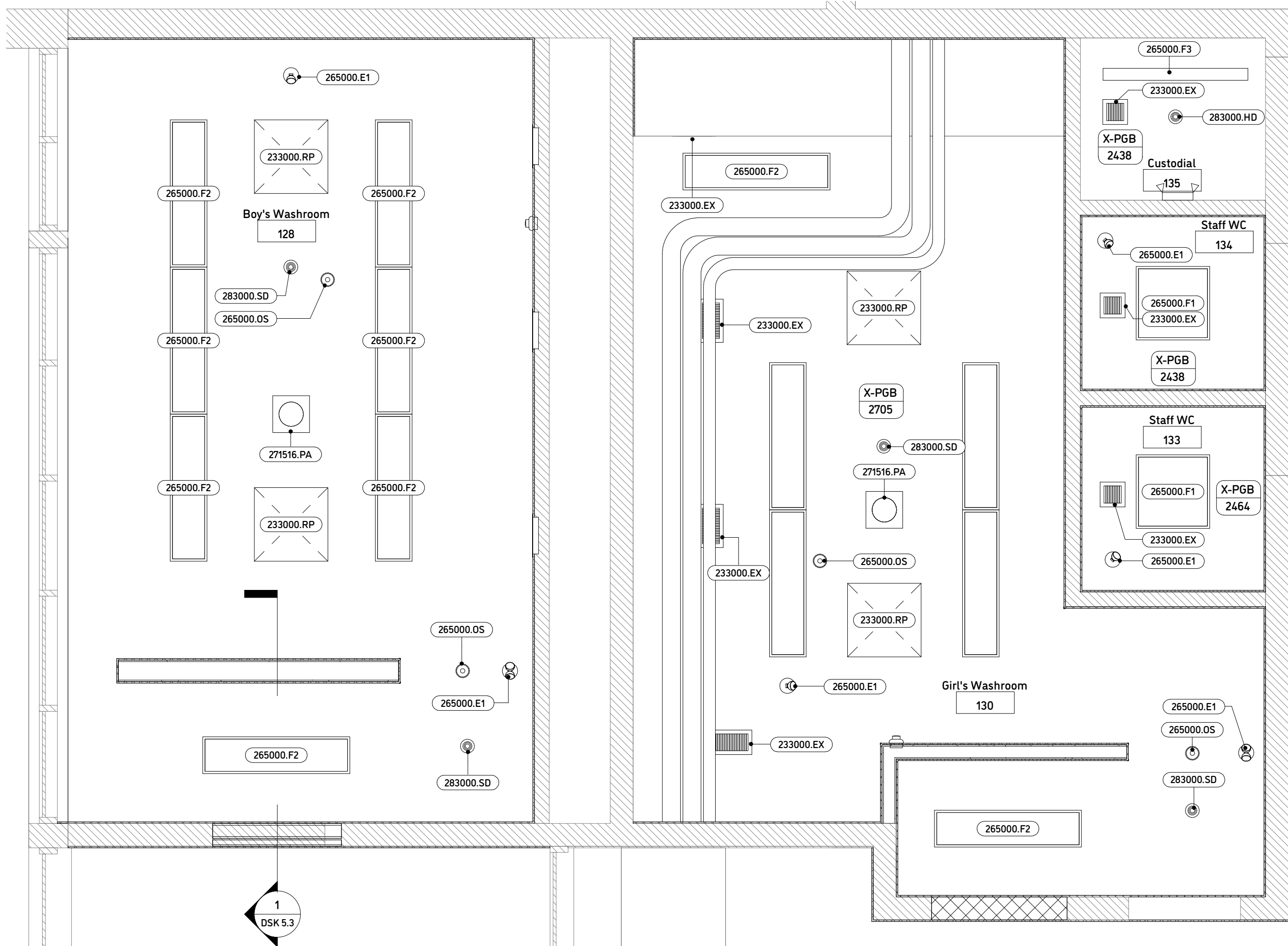
DOOR SCHEDULE - NOTES

- REFER TO DOOR SCHEDULE FOR APPLICABLE NOTE(S)
REFER TO APPENDIX A: DETAILS FOR ADDITIONAL DOOR AND FRAME INFORMATION
A. NEW DOOR AND HARDWARE IN EXISTING FRAME. COORDINATE HARDWARE WITH EXISTING FRAME PREP. FOR RATED DOORS/FRAMES ENSURE FIELD MODIFICATIONS MEET NFPA 80 REQUIREMENTS FOR ACCEPTABLE FIELD MODIFICATIONS SO AS TO NOT VOID RATING.
B. PROVIDE NEW DOOR GRILLE REFER TO MECHANICAL.
C. CUSTOM SIZE DOOR - CONTRACTOR TO CONFIRM DIMENSIONS ON SITE.
D. FIRE SEPARATION INFILL REQUIRED ABOVE FRAME.



1 Floor Plan Rm 128-130 NEW WORK

1:30



2 RCP Rm 128-130 NEW WORK

1:30

GENERAL NOTES - FLOOR PLAN

1. ALL WORK SHALL COMPLY WITH THE LATEST VERSION OF THE ONTARIO BUILDING CODE, REFERENCED STANDARDS, AND MANUFACTURER'S INSTRUCTIONS.
2. ALL DRAWINGS SHALL BE FULLY COORDINATED BY CONTRACTOR TO VERIFY ALL DIMENSIONS AND WORK BY ALL TRADES.
3. COORDINATE LOCATIONS OF NEW FLOOR, WALL AND ROOF OPENINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND LATEST REVIEWED SHOP DRAWINGS.
4. THE CONTRACT DOCUMENTS ARE TO BE READ AS A WHOLE. REFER TO CONTRACT FOR HIERARCHY OF INFORMATION. ARCHITECTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. WHERE CONFLICTS ARE ENCOUNTERED BETWEEN DISCIPLINES THE CONTRACTOR IS TO REQUEST CALRIFICATION FROM THE CONSULTANT IN WRITING.
5. DETAILS AND SECTIONS ON THE DRAWINGS ARE INDICATED AT SPECIFIC LOCATIONS. DETAILS NOTED "TYPICAL" OR "TYP." IMPLY SIMILAR CONDITIONS TO BE TREATED SIMILARLY. MODIFICATIONS TO BE MADE BY CONTRACTOR TO ACCOMMODATE MINOR VARIATIONS. WHERE SIGNIFICANT DIFFERENCES ARE ENCOUNTERED DUE TO SITE CONDITION CONTACT CONSULTANT FOR REVIEW AND DIRECTION PRIOR TO PROCEEDING.
6. FIRE SEPARATIONS/FIRE STOPPING. ALL NEW AND EXISTING PENETRATIONS THROUGH WALLS, FLOORS AND/OR CEILINGS DESIGNATED AS FIRE SEPARATIONS, NEW OR EXISTING EXPOSED DURING DEMOLITION, SHALL BE FIRE STOPPED AND SMOKE SEALED USING ULC TESTED AND APPROVED SYSTEMS. PATCH AND REPAIR ALL FIRE PROOFING AT BUILDING STRUCTURE WHERE MISSING OR DAMAGED TO MAINTAIN REQUIRED FIRE RATING. SEE DRAWING A010. REFER TO SPECIFICATION SECTIONS 01 33 00 AND 07 84. 00.
7. COORDINATE AND SEQUENCE INSTALLATION OF ALL BLOCKING REQUIRED BY NEW WORK WITH ELEVATIONS AND DETAILS.
8. ACCESS PANELS/DOORS. NOT ALL REQUIRED OR EXISTING ACCESS PANELS, DOORS OR COVERS MAY BE INDICATED ON THE DRAWINGS. CONTRACTOR TO COORDINATE ACCESS DOOR AND PANEL REQUIREMENTS WITH APPROPRIATE TRADES. WHERE CONFLICTS ARISE REQUEST CLARIFICATION FROM CONSULTANT.
9. FLOOR DRAINS. REFER TO MECHANICAL. WHERE EXISTING FLOOR DRAINS ARE POSITIONED HIGH IN NEW WORK ALLOW FOR LOCAL SLAB CHIPPING AND FLOOR LEVELING TO SUIT SLOPE OR FLUSH TO NEW FINISHES INSTALL OF NEW DRAIN BODY.
10. FLOOR FINISHES. FLOOR FINISHES ARE NOT INDICATED ON GENERAL FLOOR PLANS FOR CLARITY. REFER TO FLOOR FINISH PLAN(S) FOR FLOOR FINISH INFORMATION, TILE PATTERNS AND RELATED INFORMATION.

DIMENSIONING CONVENTIONS

- A. ALL DIMENSIONS ON ARCHITECTURAL DRAWINGS ARE CLEAR MEASUREMENTS TO FINISHED FACE UNLESS OTHERWISE NOTED.
- B. CONTRACTOR IS TO ENSURE ALL CODE REQUIRED MINIMUM CLEARANCES ARE MAINTAINED IN THE WORK. NOTIFY CONSULTANT WHERE CLEAR OR CRITICAL DIMENSIONS ARE DESIGNATED BUT CANNOT BE ACHIEVED FOR REVIEW AND DIRECTION.
- C. DRAWINGS ARE NOT TO BE SCALED. VERIFY ANY MISSING OR CONFLICTING DIMENSIONS WITH THE ARCHITECT/CONSULTANT PRIOR TO PROCEEDING WITH THE WORK.
- D. MAINTAIN CONSISTANT FINISHED FLOOR DATUM THROUGHOUT THE PROJECT AREA SUCH THAT DIMENSIONS INDICATED AS ABOVE FINISHED FLOOR (AFF) ARE REFERENCED FROM THE SAME DATUM TO MAINTAIN ALIGNMENT OF ELEMENTS HORIZONTALLY.
- E. CONTRACTOR TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING WORK. REPORT ALL DISCREPANCIES TO THE CONSULTANT FOR CLARIFICATION PRIOR TO COMMENCING WORK.
- F. REFER TO APPENDIX A: DETAILS FOR TYPICAL MOUNTING HEIGHTS. BUILDING CODE REQUIRED MINIMUM CLEARANCE ARE TO BE MAINTAINED.

KEYNOTES

Key Value	Keynote Text
087100.DAB	Door Actuator Button (Refer also to Electrical)
102113.A1	
102800.BR-1	Back Rest
102800.CH-1	Coat Hook
102800.GB-1	Stainless Steel 90 Degree Grab Bar
102800.GB-2	Stainless Steel 24" Straight Grab Bar
102800.GB-3	Stainless Steel 12" Straight Grab Bar
102800.HD-1	Hand Dryer (Refer to Electrical)
102800.MI-1	24" x 36" Tilt Mirror
102800.SND-1	Sanitary Napkin Disposal
102800.SNV-1	Sanitary Napkin Vending Machine
102800.TP-1	Toilet Paper Holder
220100.DF-1	Drinking Fountain DF-1
220100.L-1	Lavatory
220100.MS-1	Mop Sink MS-1
220100.T1	Toilet T-1
220100.T-2	Toilet T-2
220100.U-1	Urinal U-1
220100.U-2	Urinal U-2 BIF Height
220100.WF-1	Washfountain WF-1
233000.EX	Exhaust Grille
233000.RP	Radiant Panel
265000.E1	E1 Emergency Remote Light Fixture Refer to Electrical
265000.F1	F1 Light Fixture Refer to Electrical
265000.F2	F2 Light Fixture Refer to Electrical
265000.F3	F3 Light Fixture Refer to Electrical
265000.OS	Occupancy Sensor
271516.PA	Public Address Speaker
283000.HD	Fire Alarm Heat Detector
283000.SD	Fire Alarm Smoke Detector

Lindsay, Ontario

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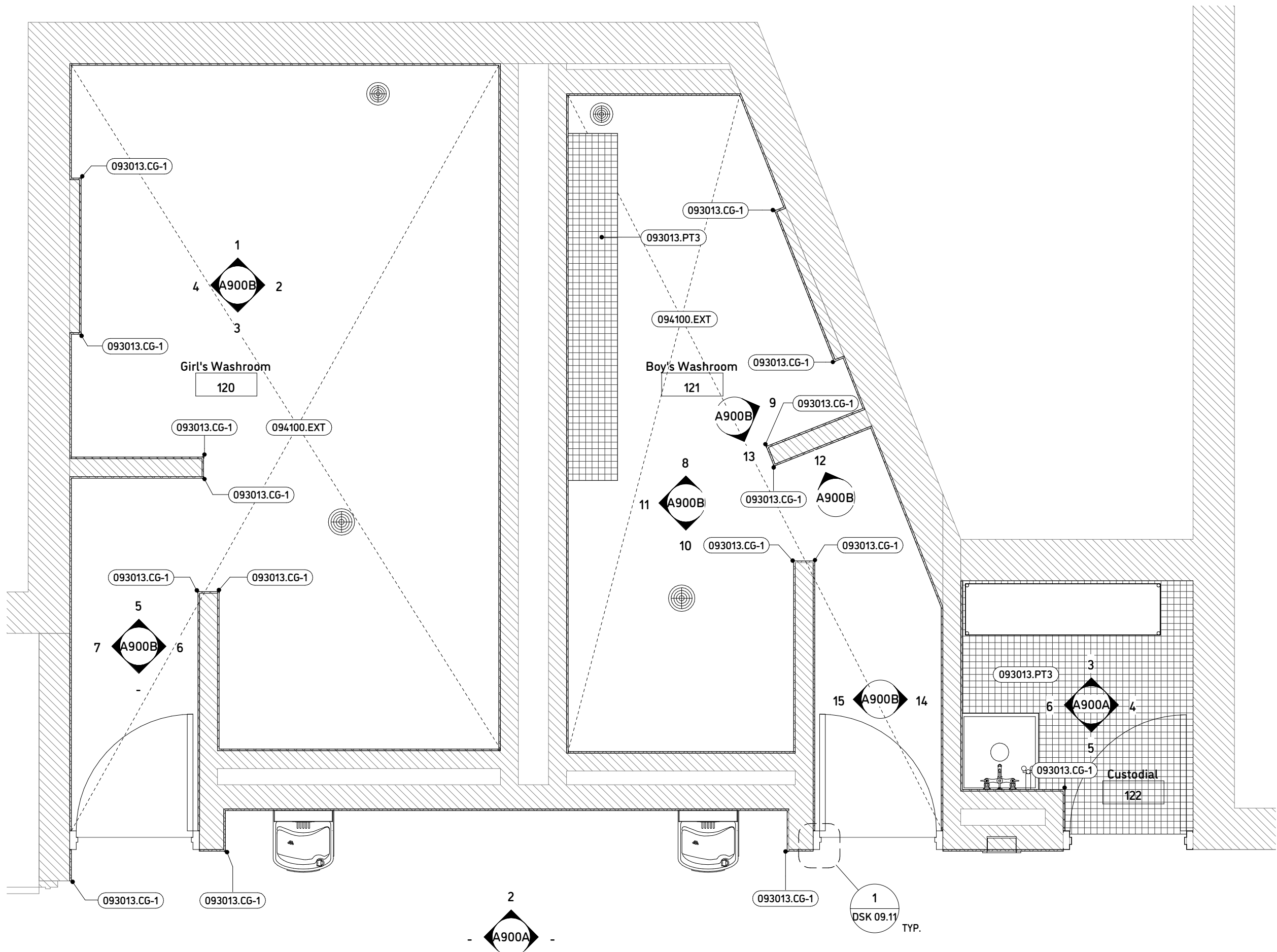
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CHECKED: Checker

Revisions

Title
Rm 128 - 130 NEW WORK

Sheet

A201



A900 Room Finish Schedule						
Room #	Room name	Floor Finish	Wall Finish	Base Finish	Ceiling Finish	Comments
120	Girl's Washroom	EXT	CT-1/MT-14	PT-2	ACT-1	
121	Boy's Washroom	EXT/PT-3	CT-1/MT-15	PT-2	ACT-1	
122	Custodial	PT-3	CT-1/P	PT-3	ACT-1	
128	Boy's Washroom	PT-2	CT-1/MT-15	PT-2	PGB-X	
130	Girl's Washroom	PT-2	CT-1/MT-14	PT-2	PGB-X	
133	Staff WC	PT-3	CT-1/MT-15/CT-14	PT-3	PGB-X	
134	Staff WC	PT-3	CT-1/MT-14	EXT	EXIST	
135	Custodial	PT-3	CT-1/P	PT-3	PGB-X	
107	Hallway	EXT	CT-1/MT-14	EXT	EXIST	
131	Hallway	EXT	CT-1/MT-14	EXT	EXIST	
127	Exit	EXT	CT-1/MT-15	EXT	EXIST	

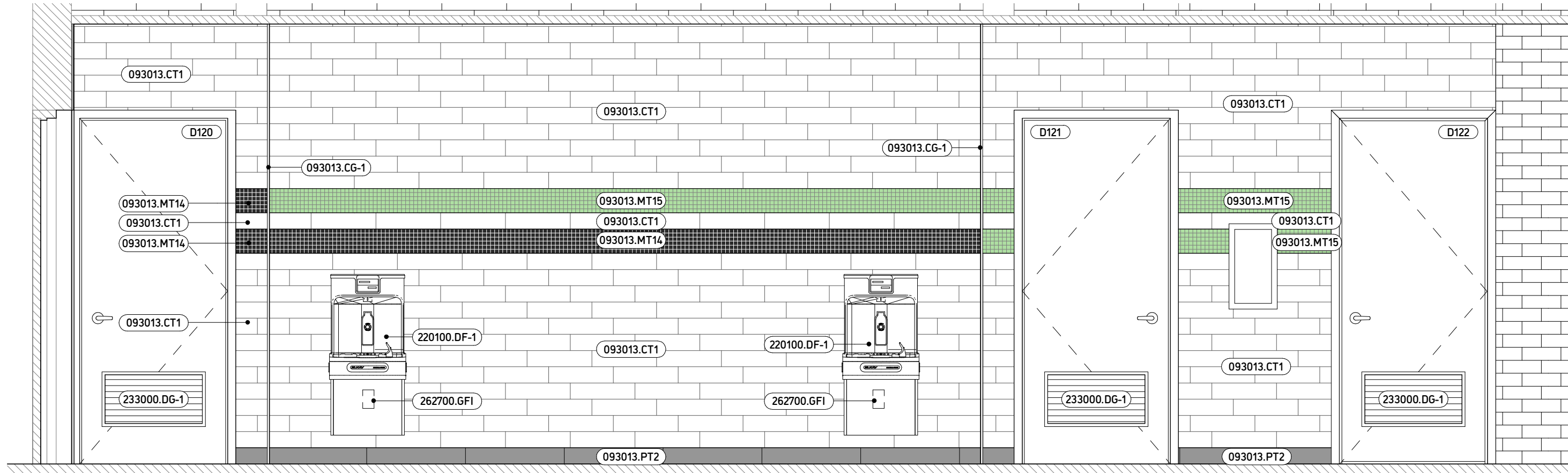
INTERIOR FINISHES - GENERAL NOTES

1. PRE-INSTALLATION MEETING. A PRE-INSTALLATION MEETING IS TO BE COORDINATED BY THE CONTRACTOR AND THEIR TILE TRADE(S), THE ARCHITECT AND THE OWNER PRIOR TO COMMENCING TILE INSTALLATION. REFER TO
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3. FIXTURES AND ACCESSORIES HAVE BEEN REMOVED FROM VIEW IN FINISH PLANS FOR CLARITY. REFER TO FLOOR PLANS FOR FURTHER INFORMATION.
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5. PAINTING. ALL EXISTING PAINTED SURFACES WITHIN AREA OF NEW WORK TO RECEIVE NEW PAINT FINISH - COLOURS TO MATCH EXISTING SCHOOL COLOUR SCHEME(S) INCLUDING WALLS, GYPSUM CEILINGS, DOORS AND FRAMES UNLESS OTHERWISE NOTED. DO NOT PAINT FIRE RATED DOOR GRILLES (TYP.).
6. REFER TO APPENDIX A: DETAILS FOR TYPICAL APPLICABLE DETAILS.

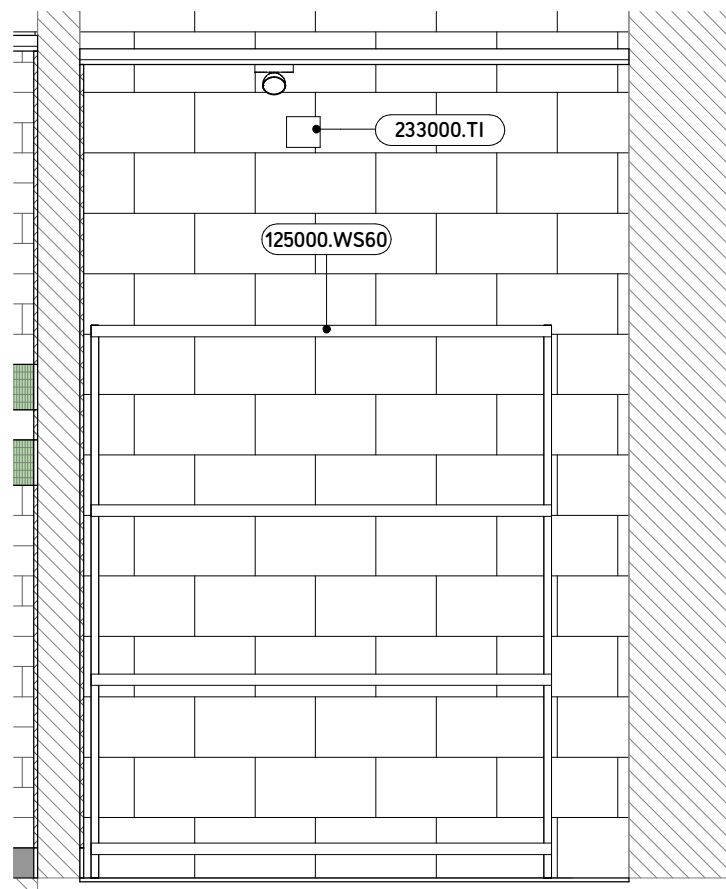
KEYNOTES

Key Value	Keynote Text
093013.CG-1	Tile Corner Trim CG-1 Schluter Rondo
093013.CT1	Ceramic Wall Tile 100x400 Arctic White Bright
093013.MT14	Glass Mosaic Tile 25x25 Slate
093013.MT15	Glass Mosaic Tile 25x25 Green Parade
093013.PT2	Porcelain Tile Tile 305x610 Anthracite
093013.PT3	Porcelain Tile Tile 505x610 Black Fleck
094100.EXT	Existing Terrazzo to remain. Refer to spec for cleaning requirements.
125000.CS1	Chemical Mixing Station by Owner - refer to Mechanical for connections
125000.WS60	Wire Shelving 60"x 72"
220100.DF-1	Drinking Fountain DF-1
220100.EW1	Eye Wash Station by Owner - refer to Mechanical for connections
220100.MS-1	Mop Sink MS-1
233000.DG-1	Door Grille. Refer to Mechanical for size.
233000.TI	Timer
262700.GFI	GFI receptacle - Refer to electrical.
265000.OS	Occupancy Sensor

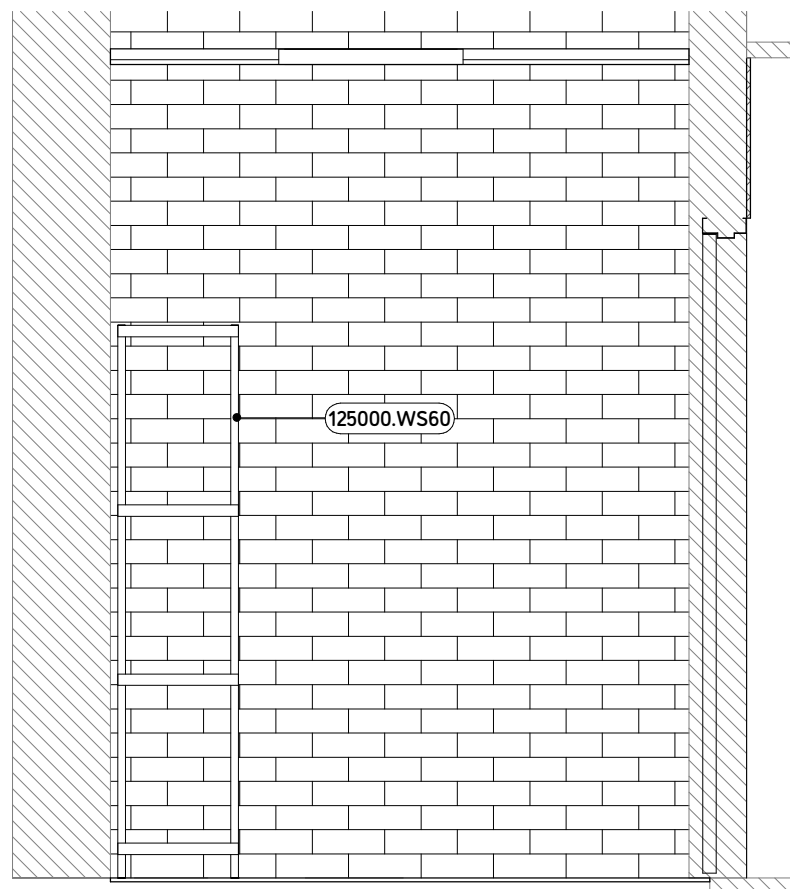
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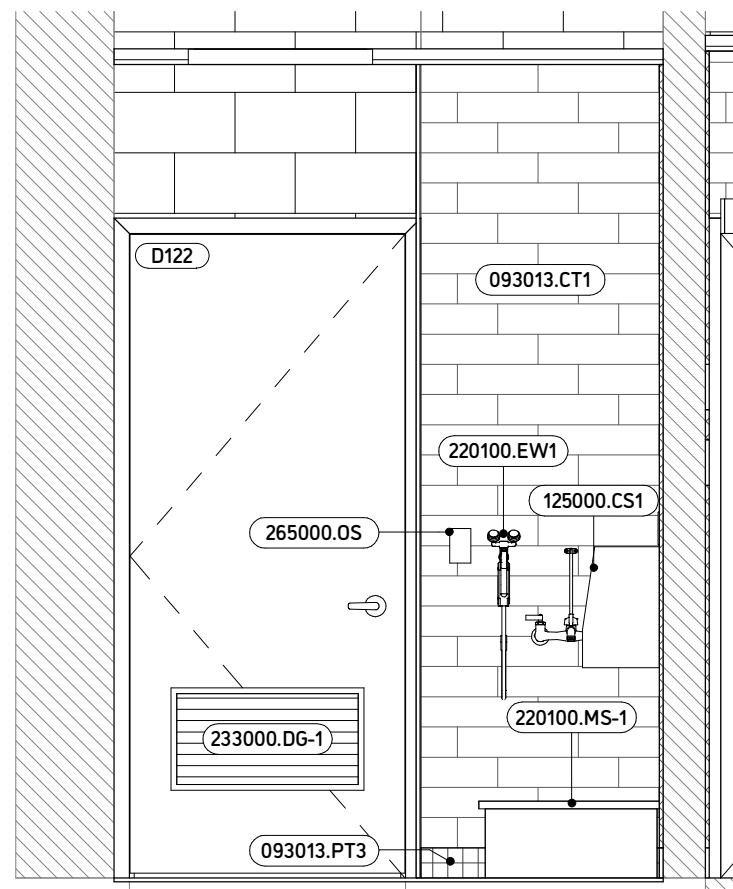
2 Rm 120, 121, 122 Corridor North
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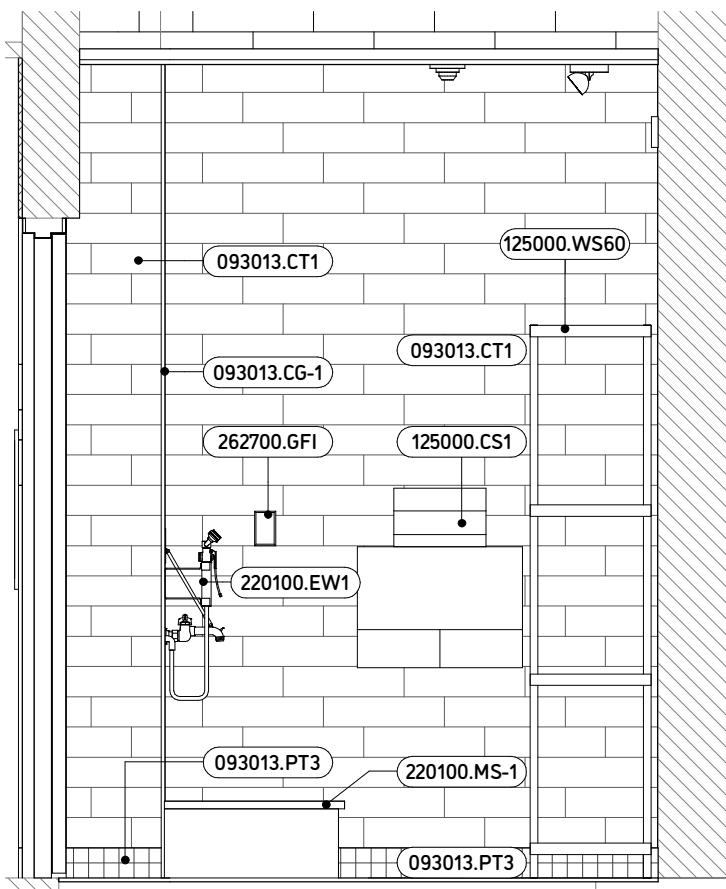
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4 Rm 122 East
1:25



5 Rm 122 South
1:25



6 Rm 122 West
1:25



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

Parkview Public
School Washroom
Renewal

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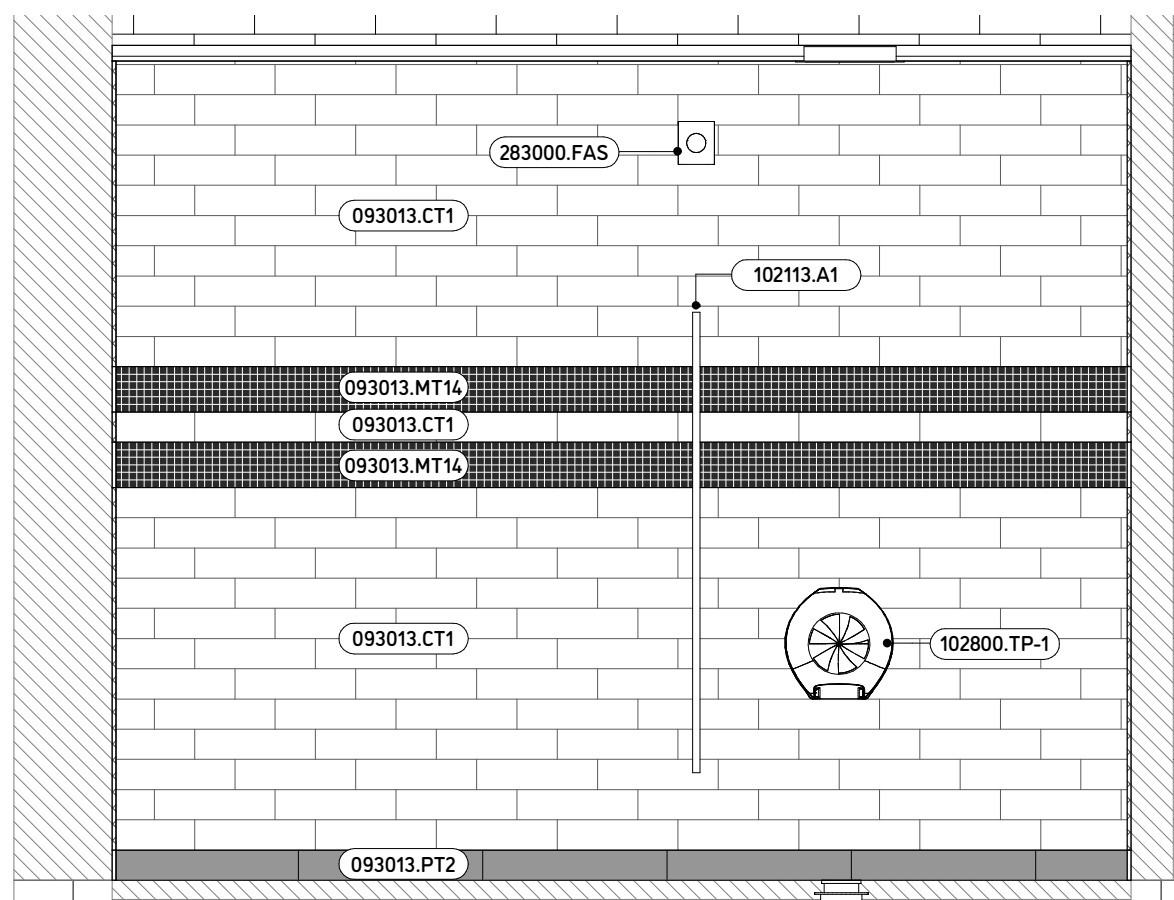
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Rm 120, 121 and 122
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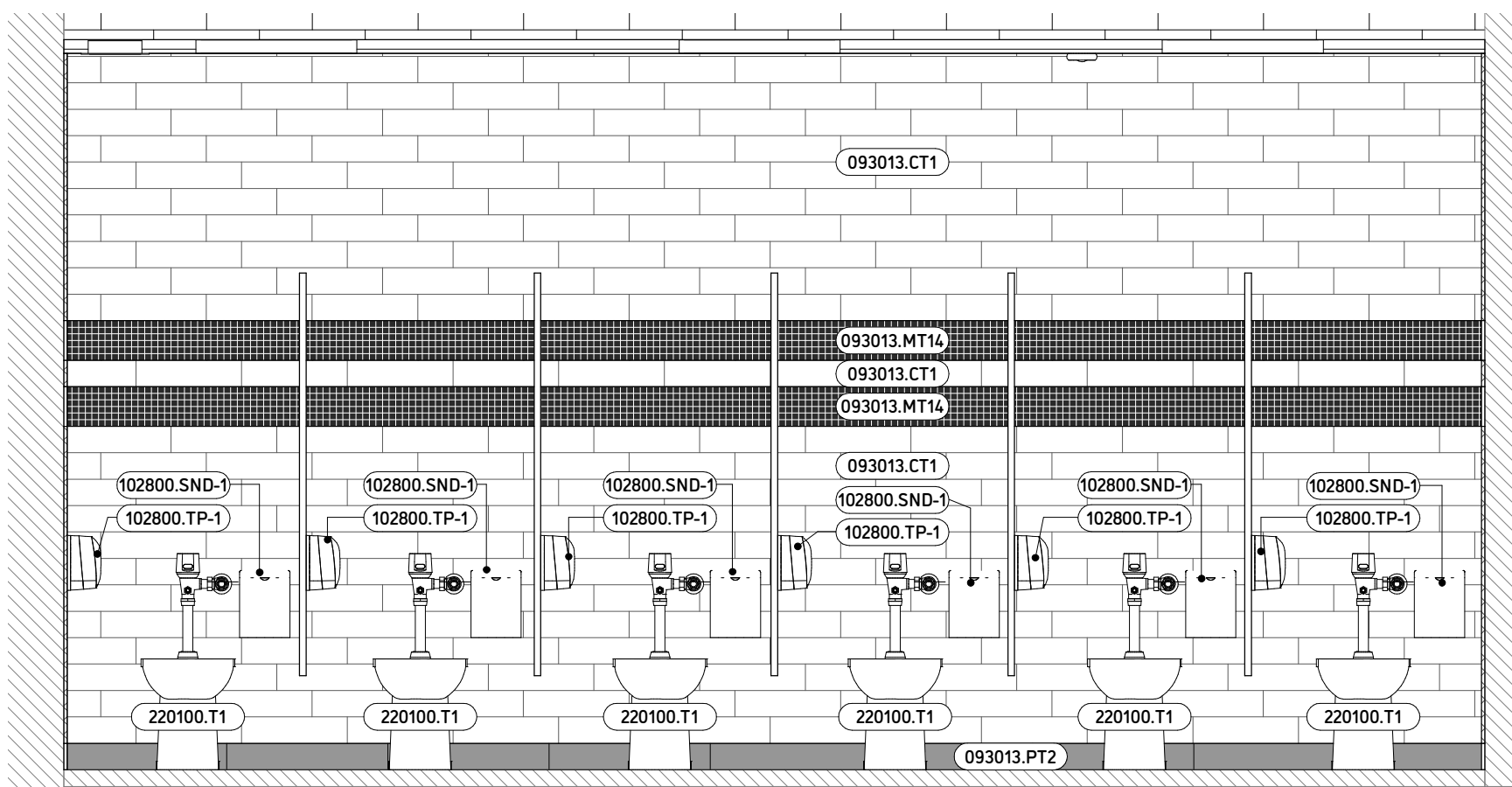
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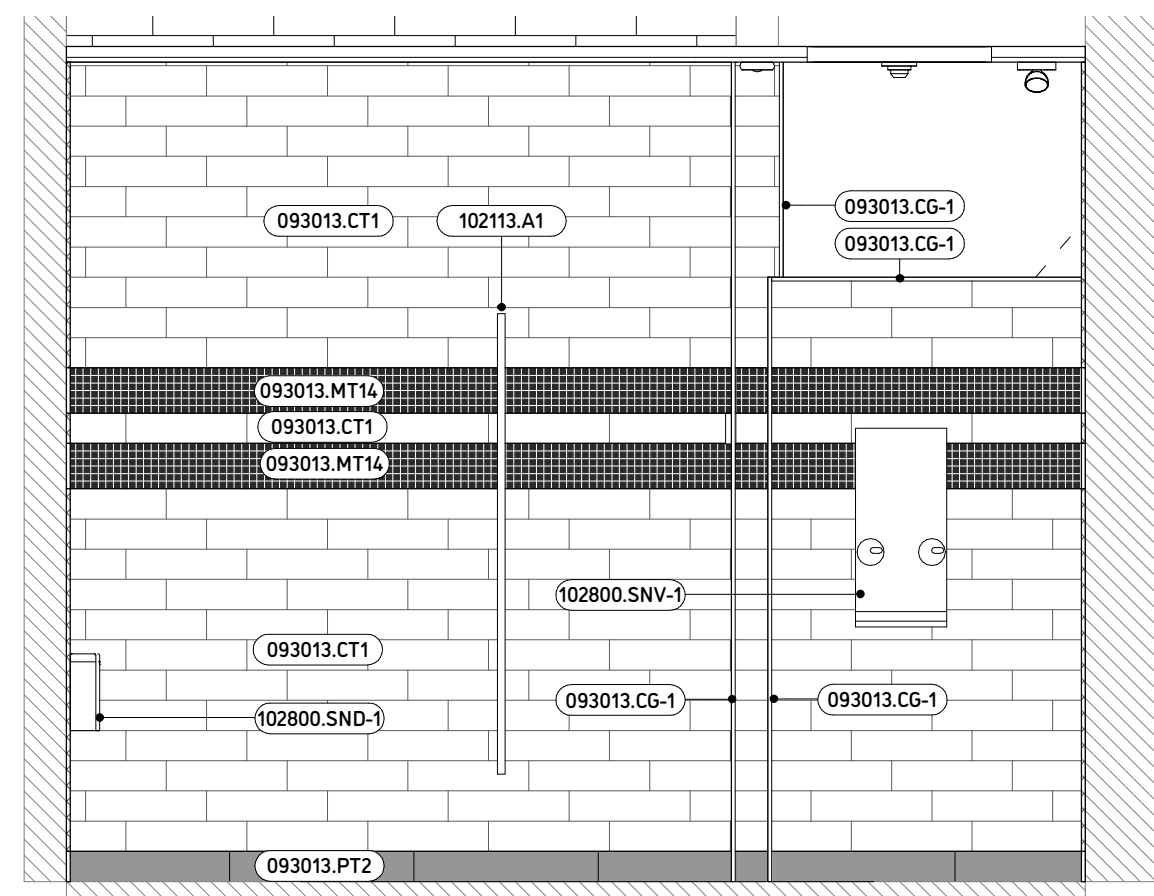
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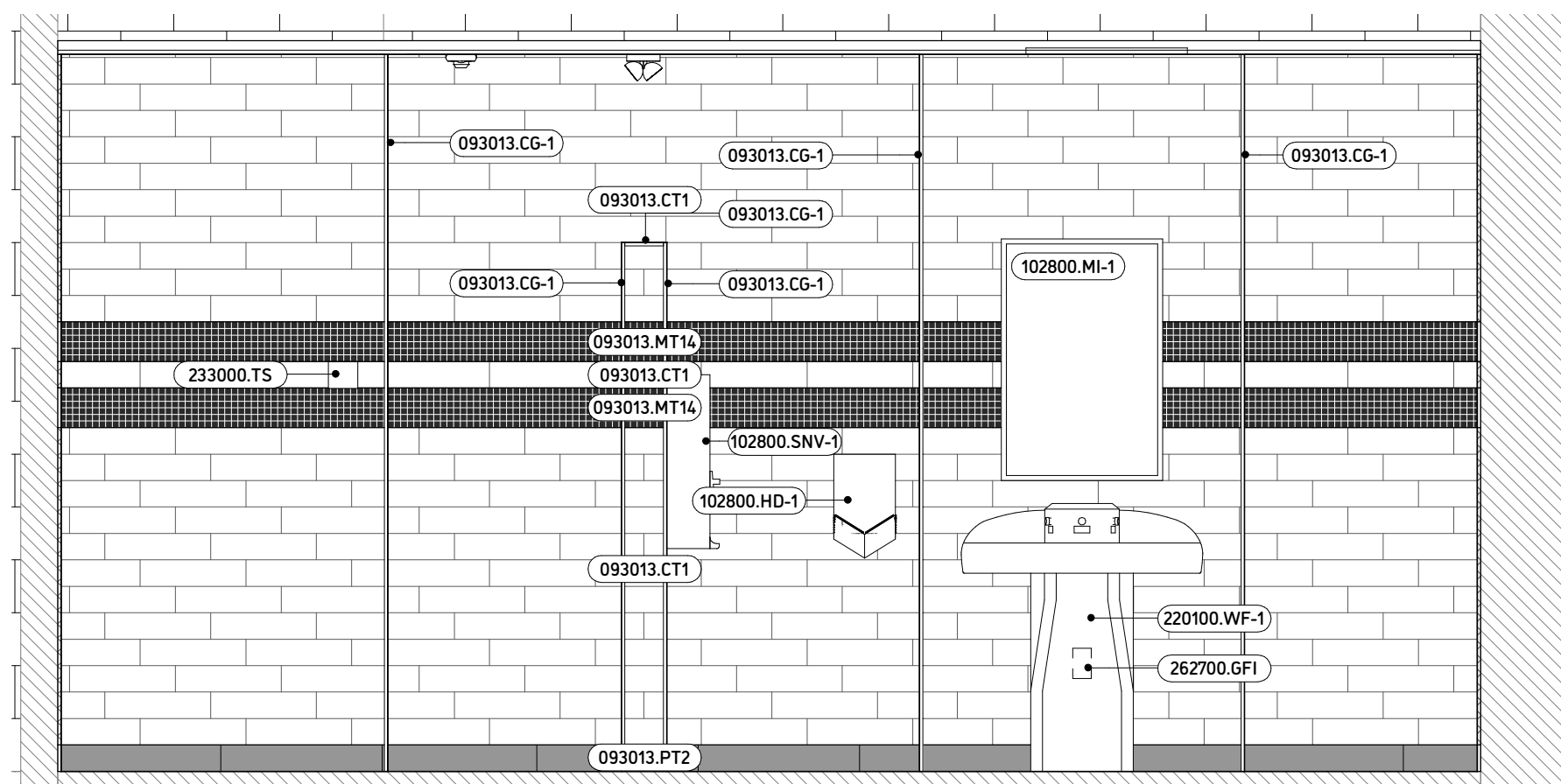
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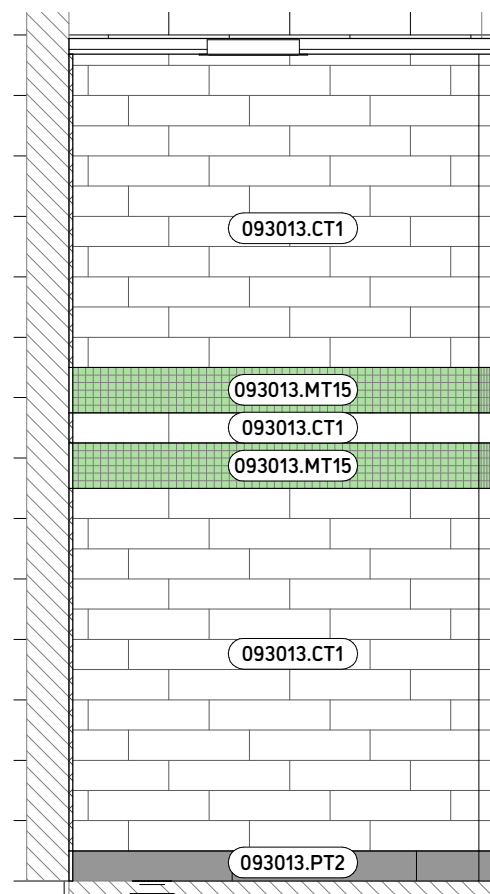
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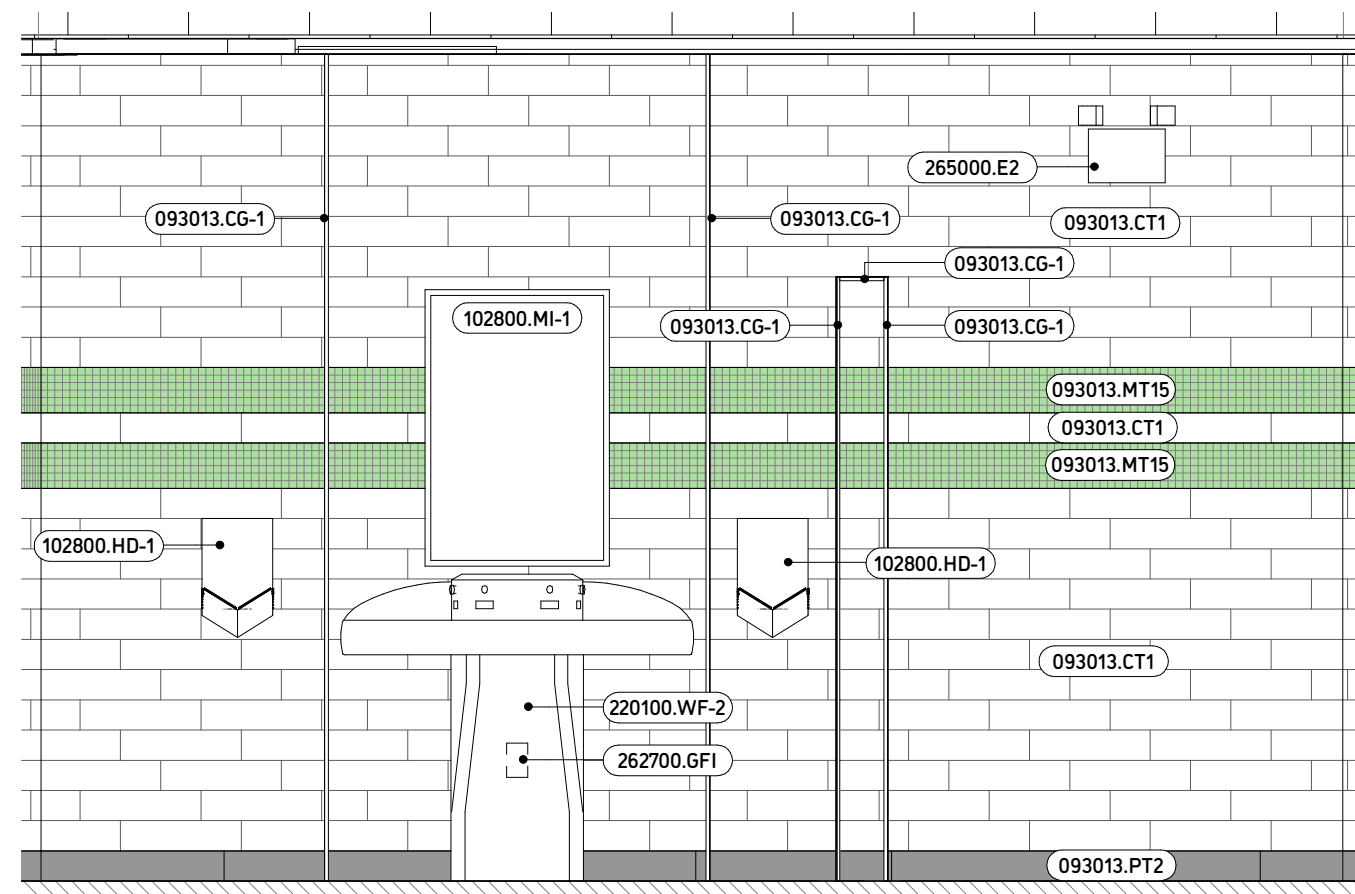
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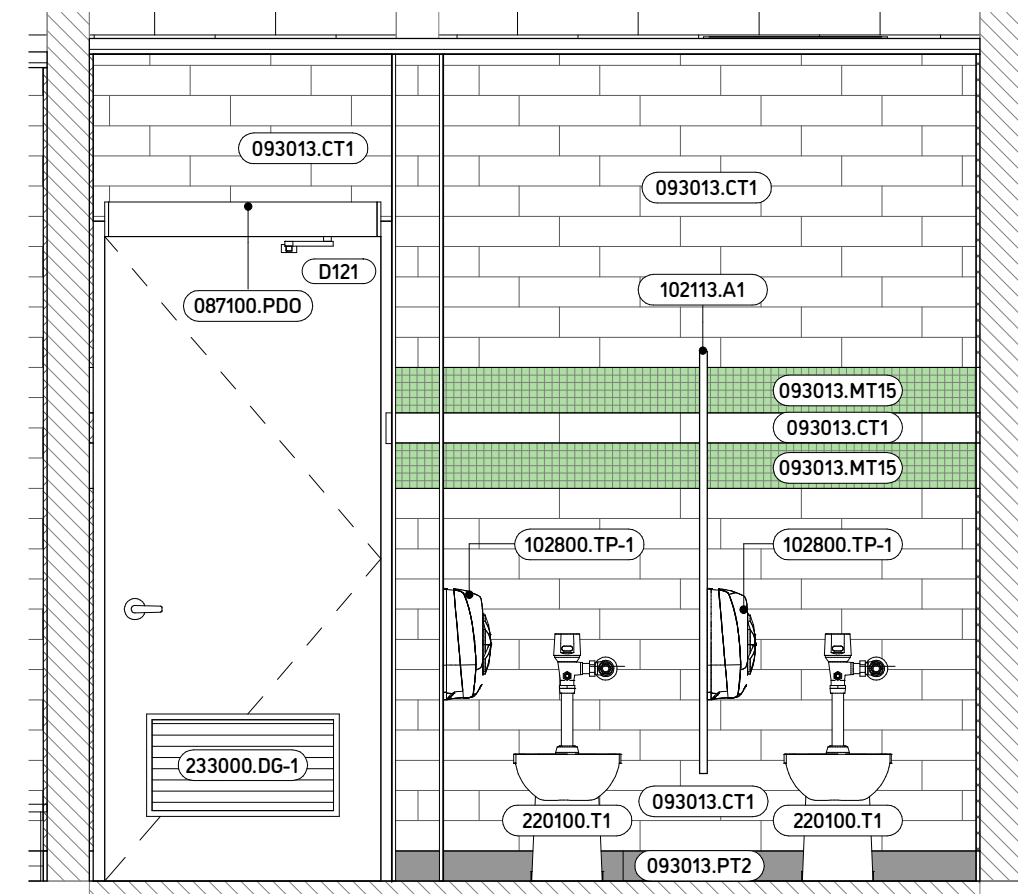
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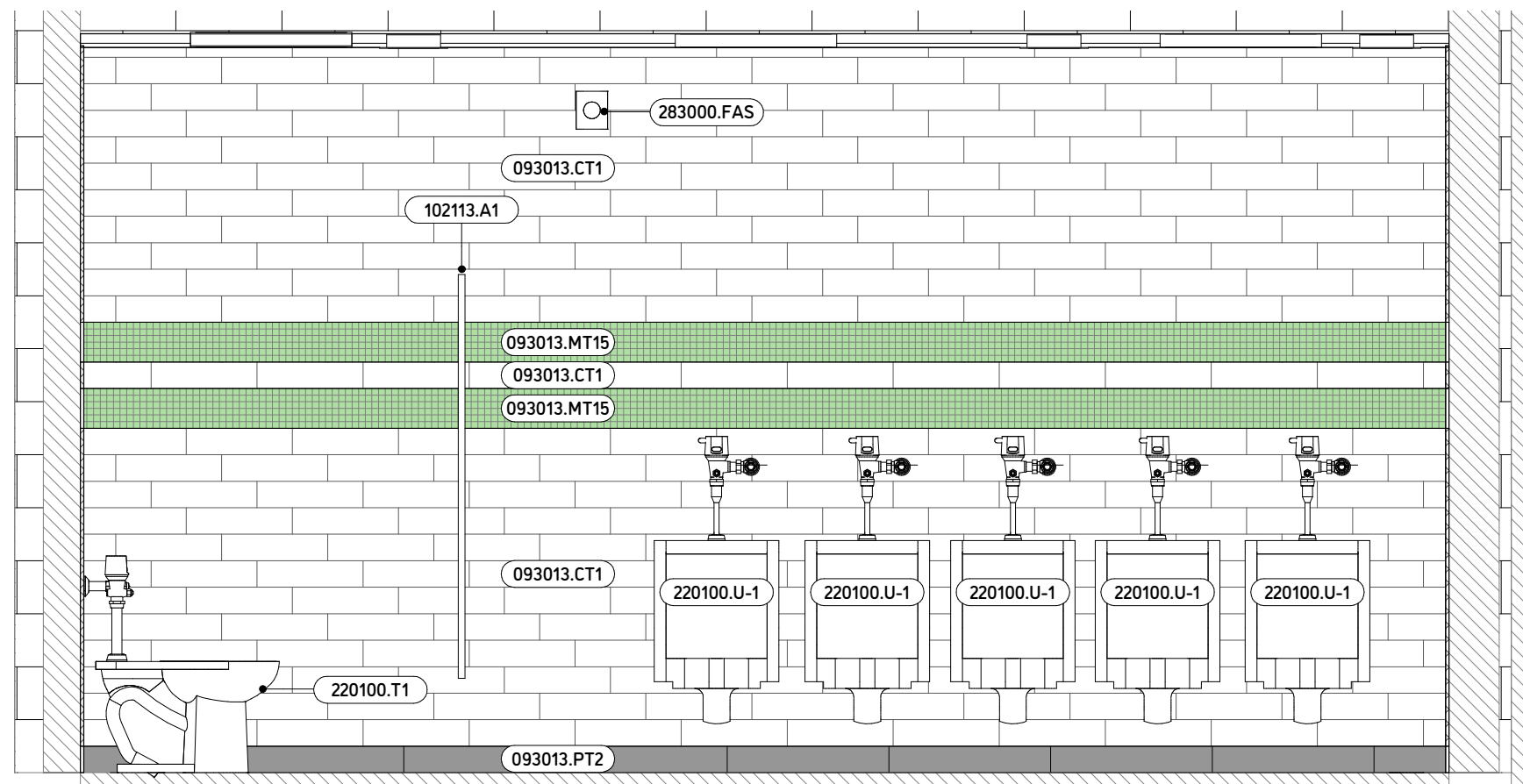
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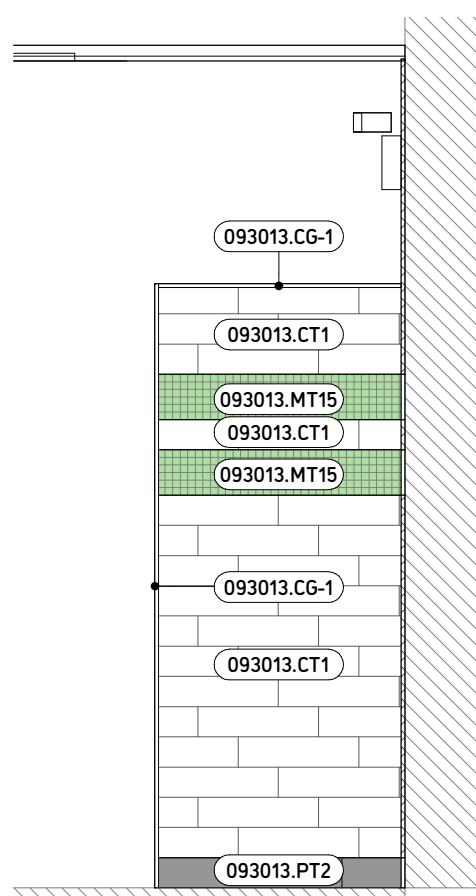
9 Rm 121 North East
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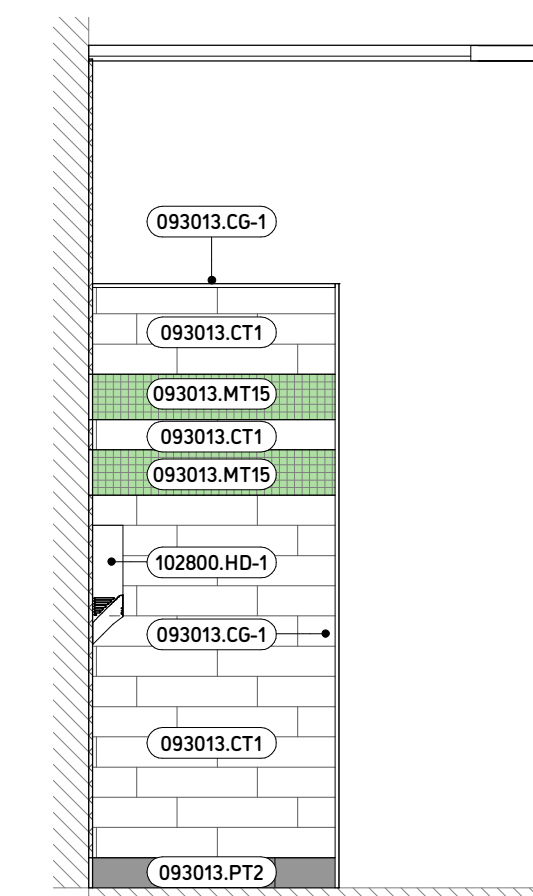
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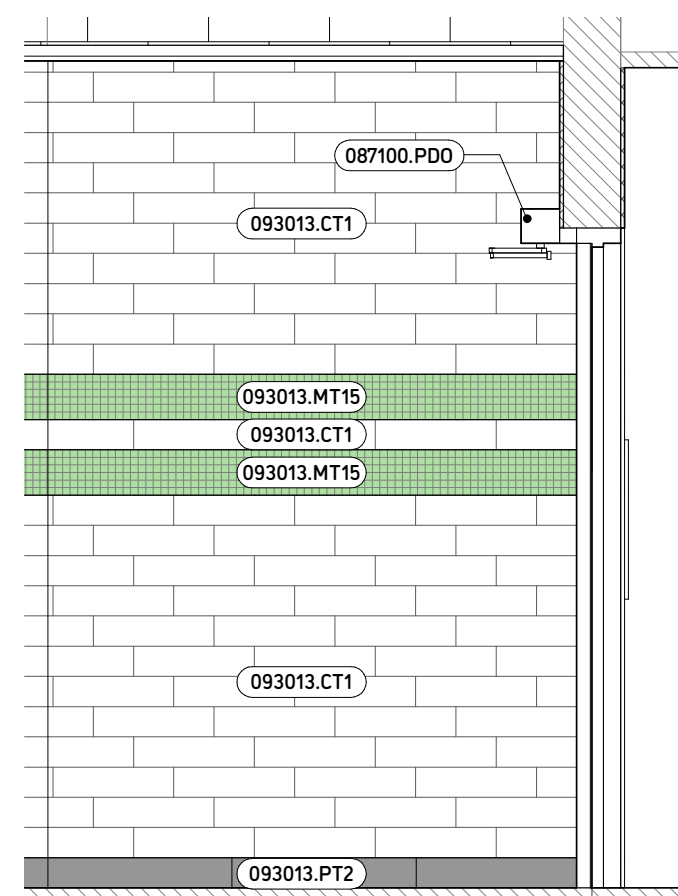
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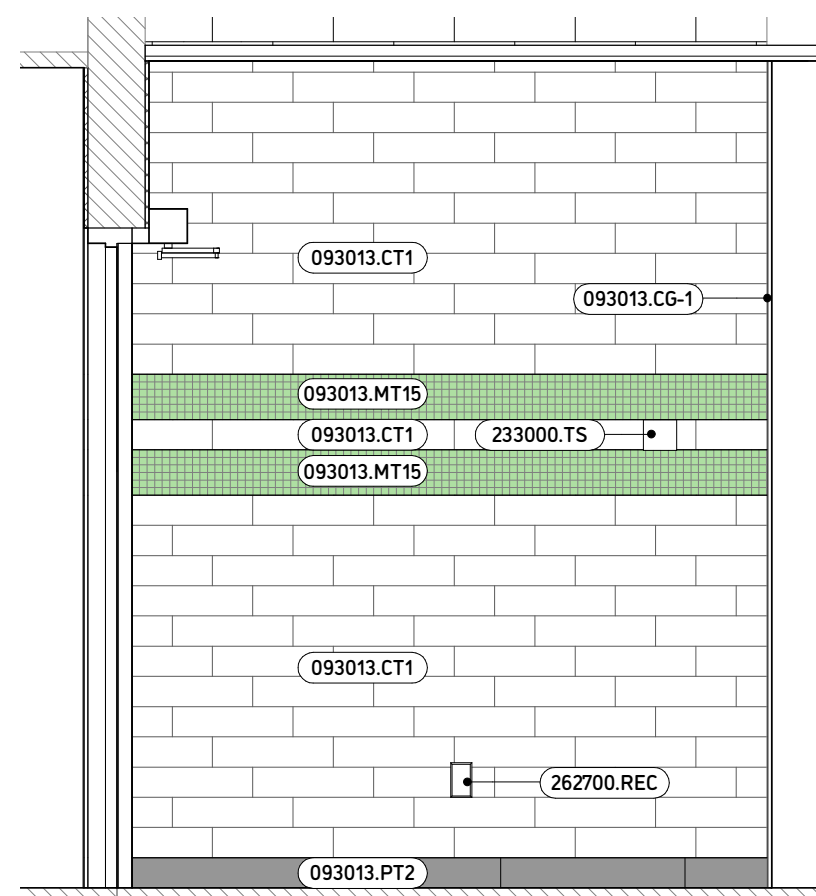
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13 Rm 121 South East
1: 25



14 Rm 121 Vest East
1: 25



15 Rm 121 Vest West
1: 25

INTERIOR FINISHES - GENERAL NOTES

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77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

Parkview Public School Washroom Renewal

Lindsay, Ontario

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KEYNOTES

Key Value	Keynote Text
087100.PDO	Power Door Operator with hold open function. (Refer also to Electrical)
093013.CG-1	Tile Corner Trim CG-1 Schluter Rondo
093013.CT1	Ceramic Wall Tile 100x400 Arctic White Bright
093013.MT14	Glass Mosaic Tile 25x25 Slate
093013.MT15	Glass Mosaic Tile 25x25 Green Parade
093013.PT2	Porcelain Tile Tile 305x610 Anthracite
102113.A1	
102800.HD-1	Hand Dryer (Refer to Electrical)
102800.MI-1	24" x 36" Tilt Mirror
102800.SND-1	Sanitary Napkin Disposal
102800.SNV-1	Sanitary Napkin Vending Machine
102800.TP-1	Toilet Paper Holder
220100.T1	Toilet T-1
220100.U-1	Urinal U-1
220100.WF-1	Washfountain WF-1
220100.WF-2	Washfountain WF-2
233000.DG-1	Door Grille. Refer to Mechanical for size.
233000.TS	Thermostat
262700.GFI	GFI receptacle - Refer to electrical.
262700.REC	Receptacle
265000.E2	E2 Emergency Light Fixture w/ Battery Unit Refer to Electrical
283000.FAS	Fire Alarm Strobe

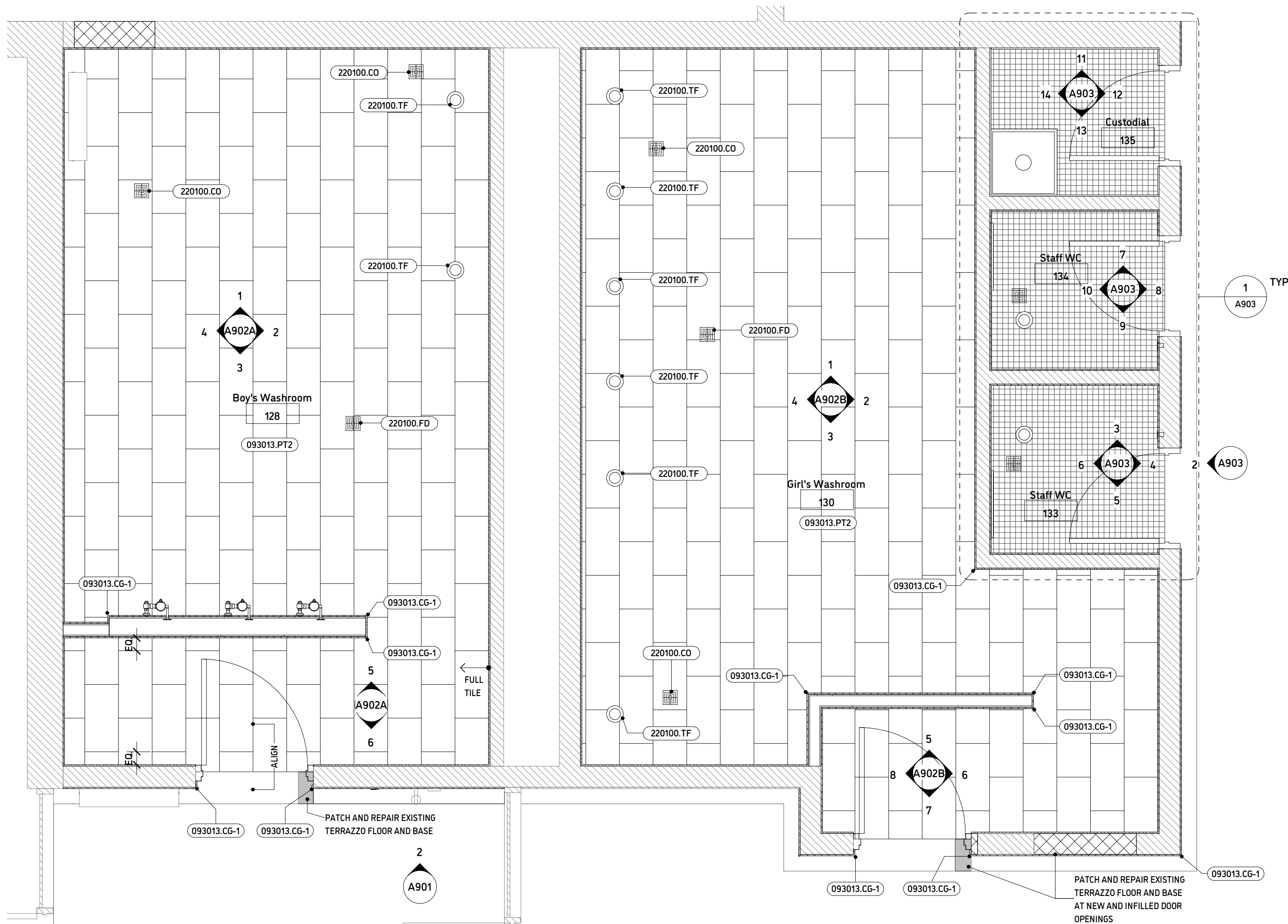
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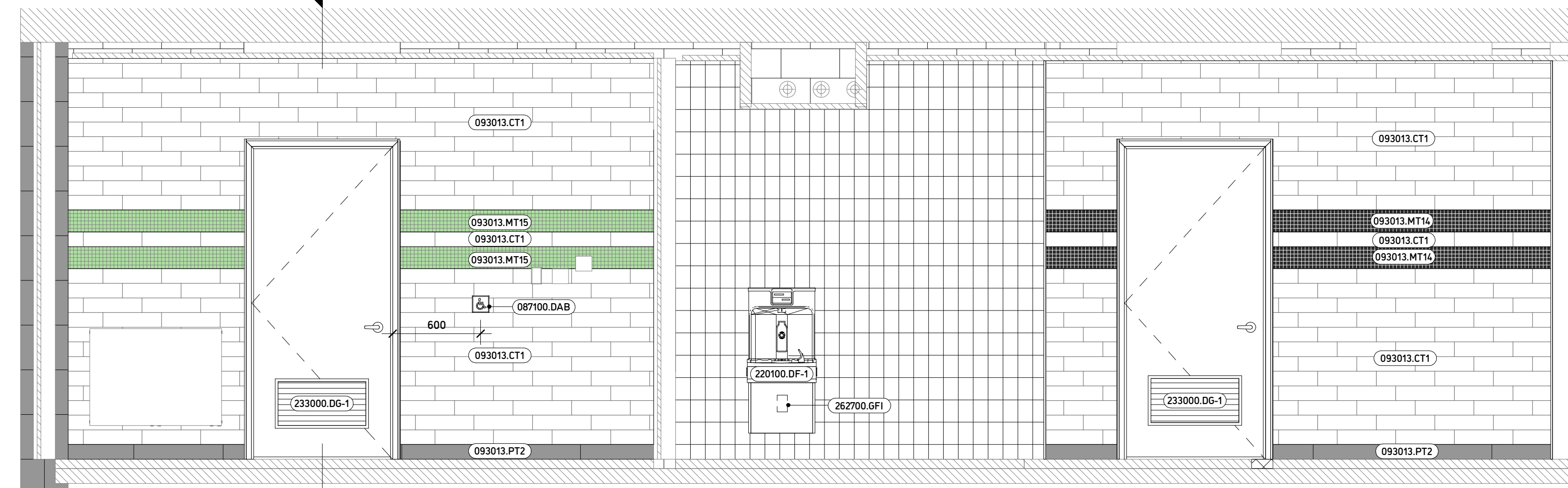
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Rm 120-121
FINISHES

Sheet

A900B



1 Floor Plan Rm 128-130 NEW WORK
1:30



2 Rm 128, 130 Corridor North
1:25

INTERIOR FINISHES - GENERAL NOTES

1. PRE-INSTALLATION MEETING. A PRE-INSTALLATION MEETING IS TO BE COORDINATED BY THE CONTRACTOR AND THEIR TILE TRADE(S), THE ARCHITECT AND THE OWNER PRIOR TO COMMENCING TILE INSTALLATION. REFER TO
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6. REFER TO APPENDIX A: DETAILS FOR TYPICAL APPLICABLE DETAILS.

KEYNOTES

Key Value	Keynote Text
087100.DAB	Door Actuator Button (Refer also to Electrical)
093013.CG-1	Tile Corner Trim CG-1 Schluter Rondo
093013.CT1	Ceramic Wall Tile 100x400 Arctic White Bright
093013.MT14	Glass Mosaic Tile 25x25 Slate
093013.MT15	Glass Mosaic Tile 25x25 Green Parade
093013.PT2	Porcelain Tile Tile 305x610 Anthracite
220100.DF-1	Drinking Fountain DF-1
220100.TF	Toilet Flange in tile
233000.DG-1	Door Grille. Refer to Mechanical for size.
262700.GFI	GFI receptacle - Refer to electrical.

Parkview Public School Washroom Renewal

Lindsay, Ontario

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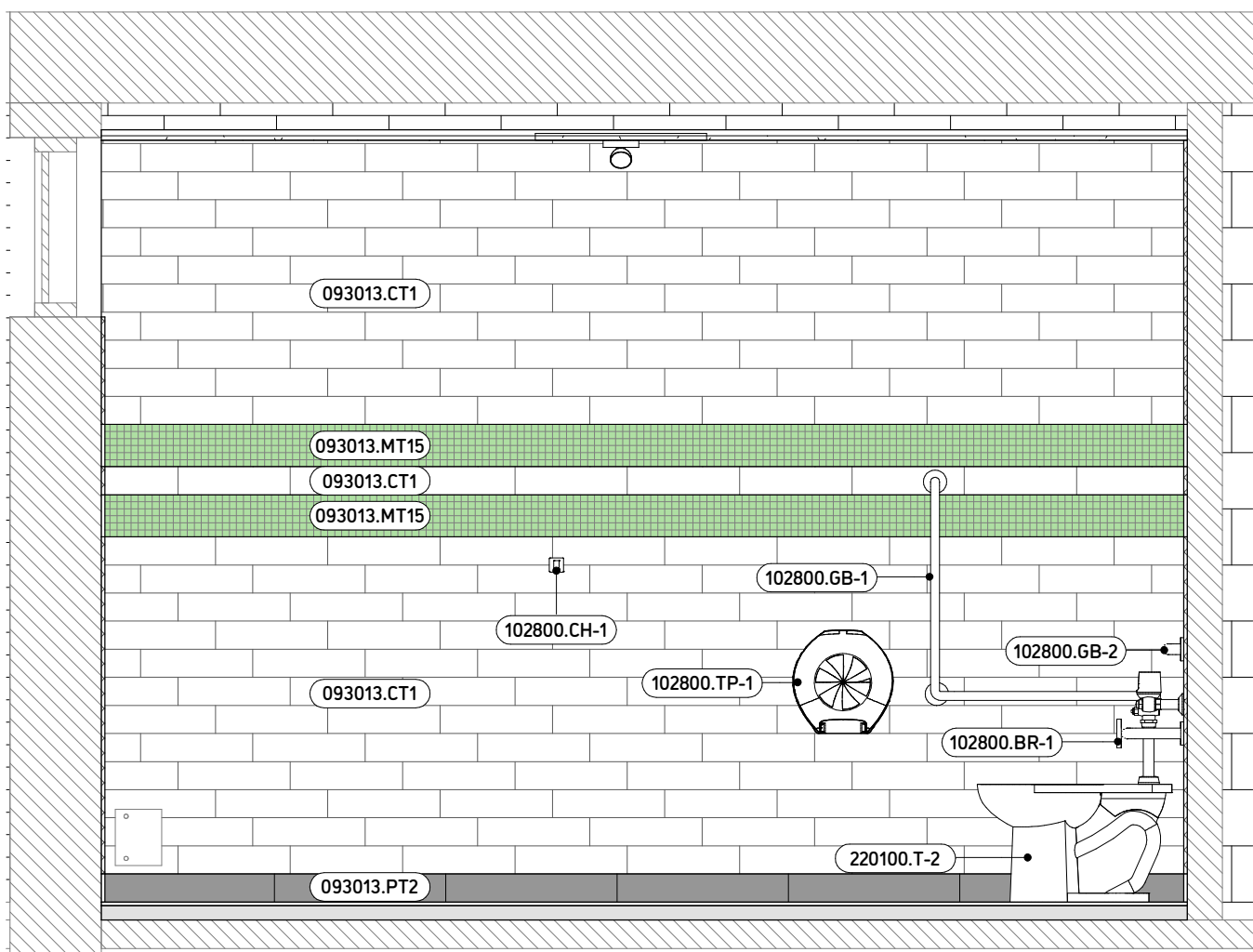
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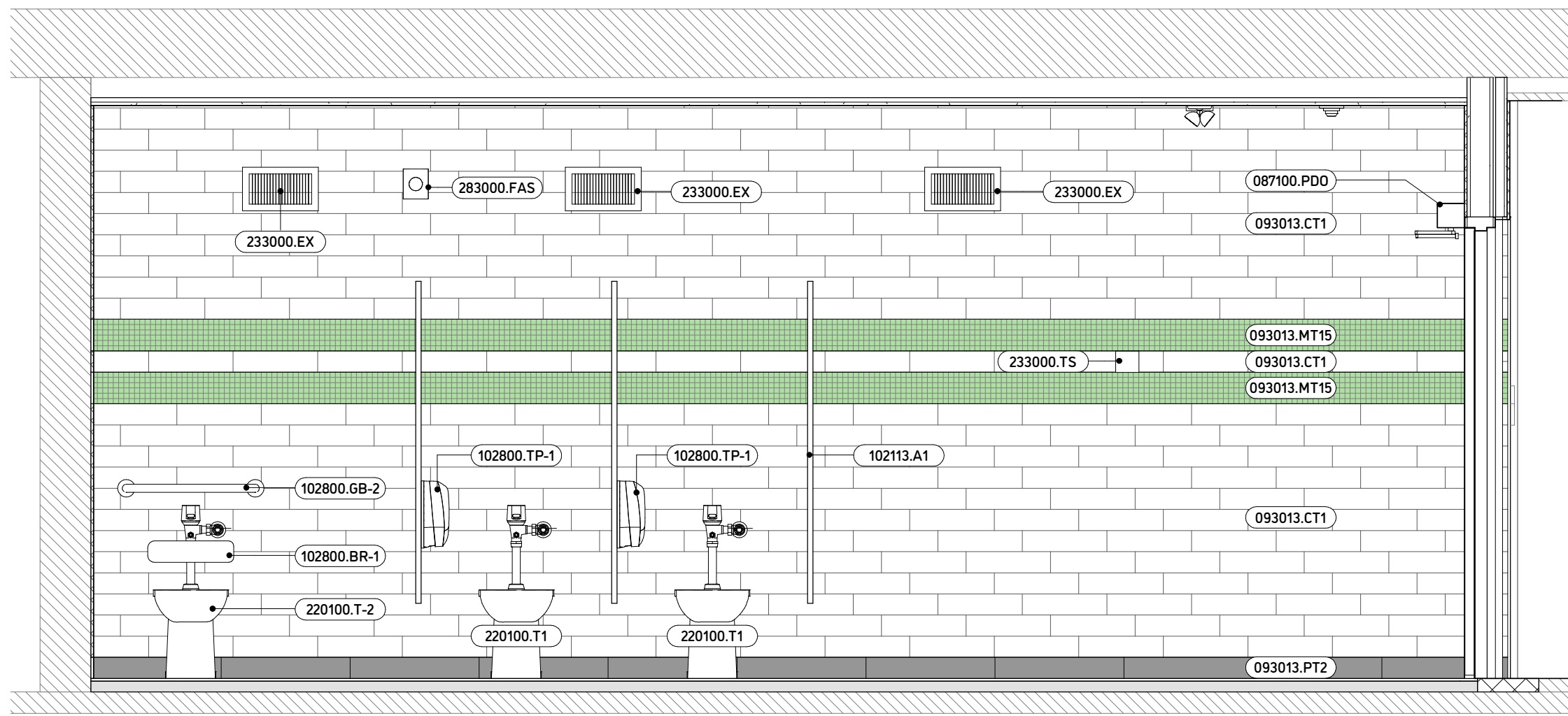
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FINISHES

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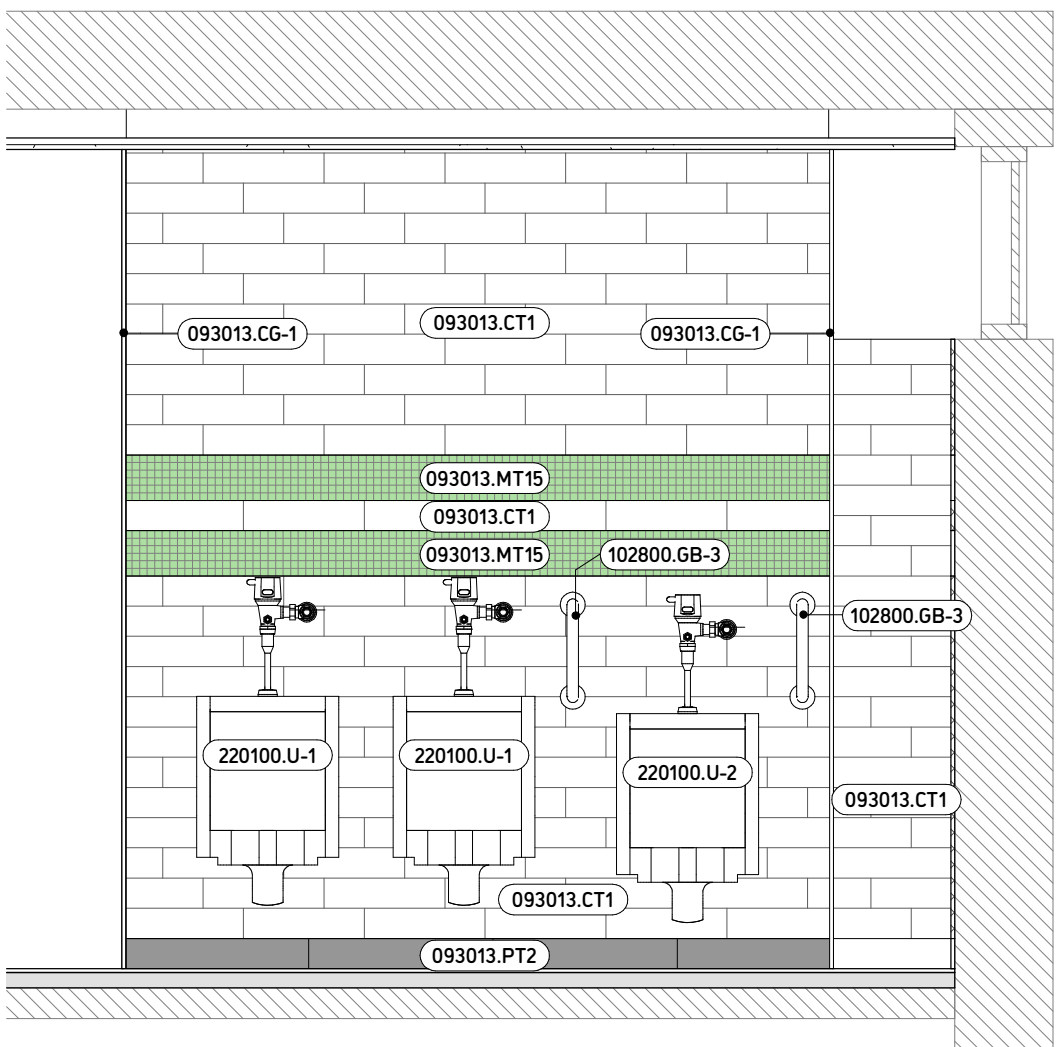
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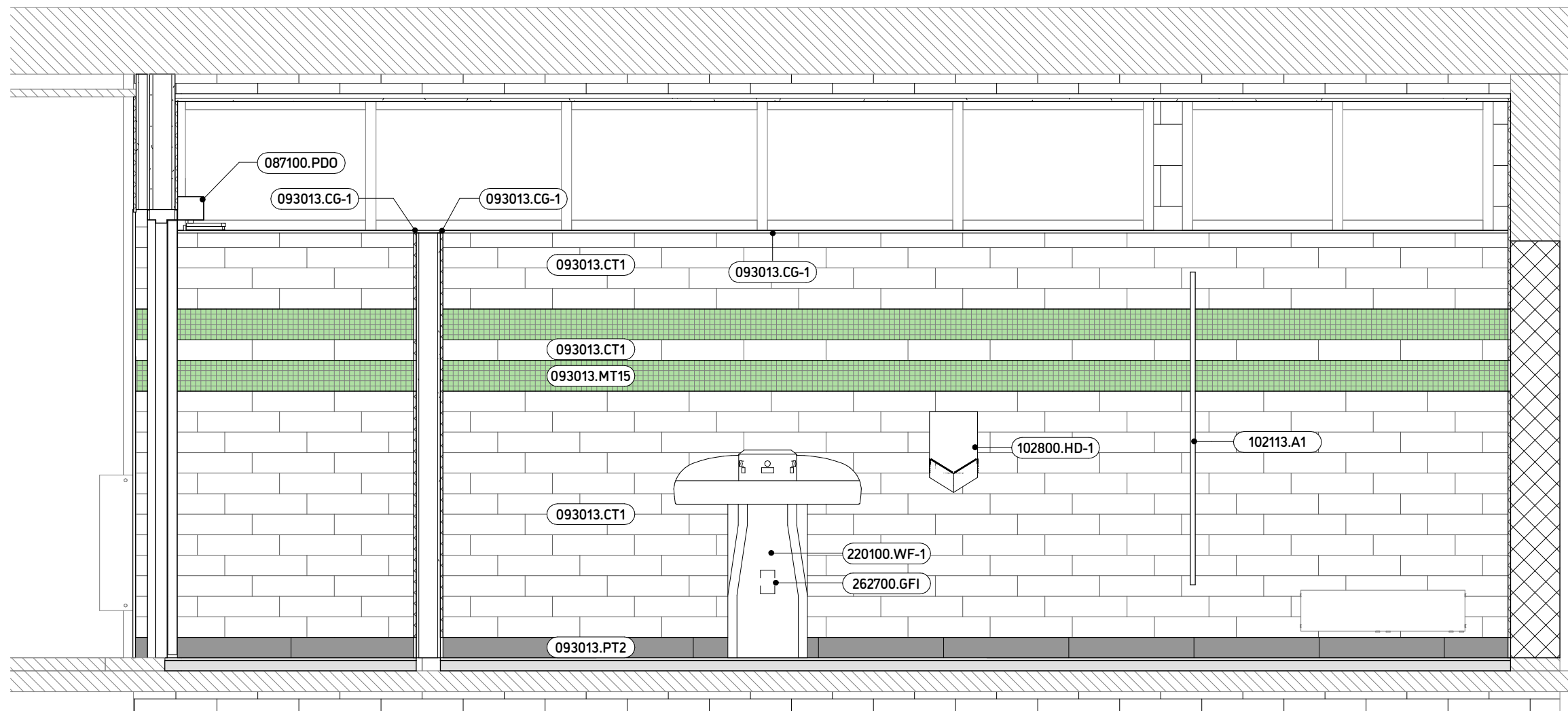
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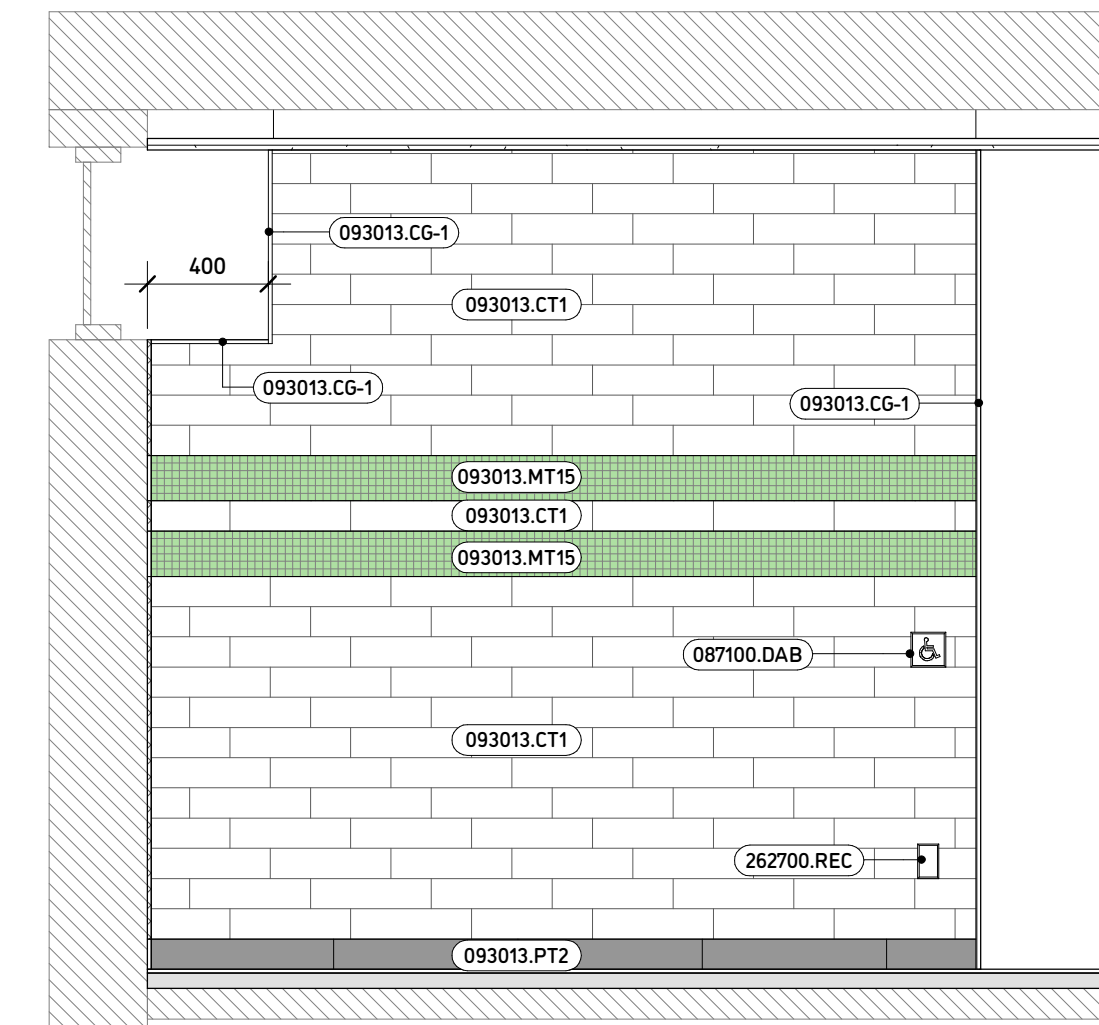
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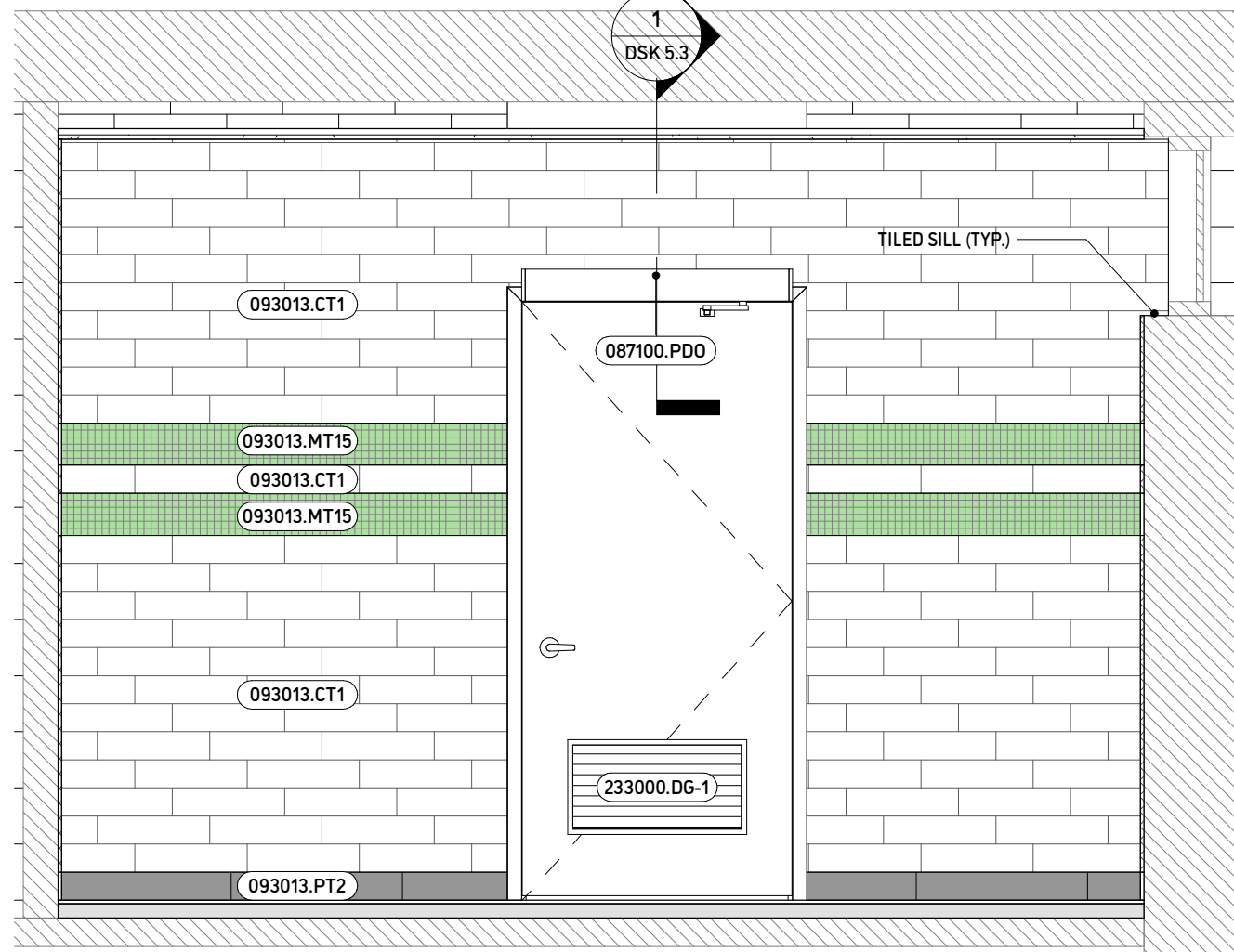
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1:25



4 Rm 128 West
1:25



5 Rm 128 Vest North
1:25



6 Rm 128 Vest South
1:25

INTERIOR FINISHES - GENERAL NOTES

1. PRE-INSTALLATION MEETING: A PRE-INSTALLATION MEETING IS TO BE COORDINATED BY THE CONTRACTOR AND THEIR TILE TRADE(S), THE ARCHITECT AND THE OWNER PRIOR TO COMMENCING TILE INSTALLATION. REFER TO
2. KEYNOTE NUMBERS RELATE TO THE SPECIFICATION SECTIONS - REFER TO APPROPRIATE SPECIFICATION SECTION FOR FURTHER INFORMATION.
3. FIXTURES AND ACCESSORIES HAVE BEEN REMOVED FROM VIEW IN FINISH PLANS FOR CLARITY. REFER TO FLOOR PLANS FOR FURTHER INFORMATION.
4. COORDINATE PLUMBING FIXTURE FINISHED HEIGHTS WITH FINISHED FLOOR ELEVATIONS FOR FLUSH INSTALL.
5. PAINTING: ALL EXISTING PAINTED SURFACES WITHIN AREA OF NEW WORK TO RECEIVE NEW PAINT FINISH - COLOURS TO MATCH EXISTING SCHOOL COLOUR SCHEME(S) INCLUDING WALLS, GYPSUM CEILINGS, DOORS AND FRAMES UNLESS OTHERWISE NOTED. DO NOT PAINT FIRE RATED DOOR GRILLES (TYP.).
6. REFER TO APPENDIX A: DETAILS FOR TYPICAL APPLICABLE DETAILS.



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

Parkview Public School Washroom Renewal

Lindsay, Ontario

TENDER and BUILDING PERMIT

TBD

Seal



KEYNOTES

Key Value	Keynote Text
087100.DAB	Door Actuator Button [Refer also to Electrical]
087100.PDO	Power Door Operator with hold open function. [Refer also to Electrical]
093013.CG-1	Tile Corner Trim CG-1 Schluter Rondo
093013.CT1	Ceramic Wall Tile 100x400 Arctic White Bright
093013.MT15	Glass Mosaic Tile 25x25 Green Parade
093013.PT2	Porcelain Tile Tile 305x610 Anthracite
102113.A1	
102800.BR-1	Back Rest
102800.CH-1	Coat Hook
102800.GB-1	Stainless Steel 90 Degree Grab Bar
102800.GB-2	Stainless Steel 24" Straight Grab Bar
102800.GB-3	Stainless Steel 12" Straight Grab Bar
102800.HD-1	Hand Dryer [Refer to Electrical]
102800.TP-1	Toilet Paper Holder
220100.T1	Toilet T-1
220100.T-2	Toilet T-2
220100.U-1	Urinal U-1
220100.U-2	Urinal U-2 B/F Height
220100.WF-1	Washfountain WF-1
233000.DG-1	Door Grille. Refer to Mechanical for size.
233000.EX	Exhaust Grille
233000.TS	Thermostat
262700.GFI	GFI receptacle - Refer to electrical.
262700.REC	Receptacle
283000.FAS	Fire Alarm Strobe

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Revisions

Title

Rm 128-130
FINISHES

Sheet

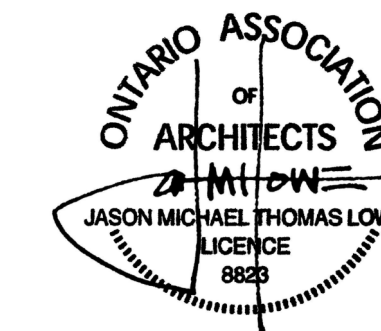
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Lindsay, Ontario

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Seal



Title

Sheet

A902B

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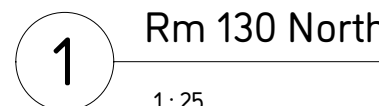
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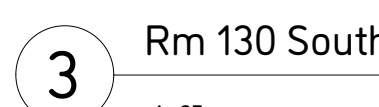
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6. REFER TO APPENDIX A: DETAILS FOR TYPICAL APPLICABLE DETAILS.



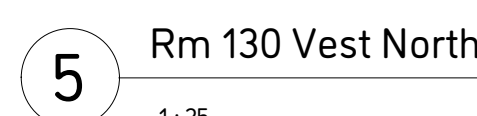
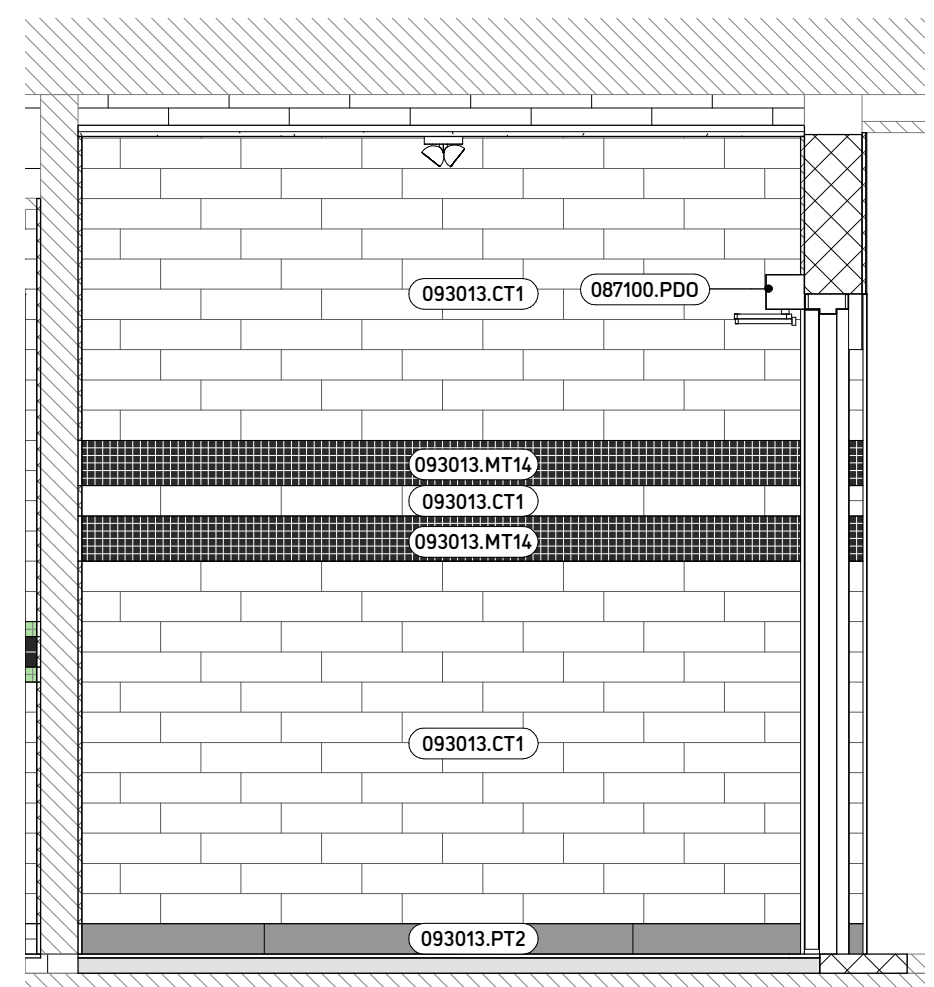
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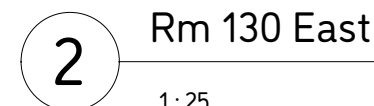
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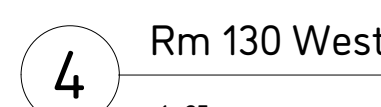
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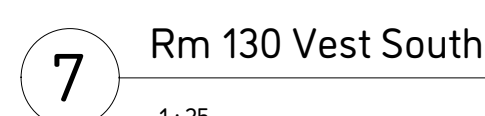
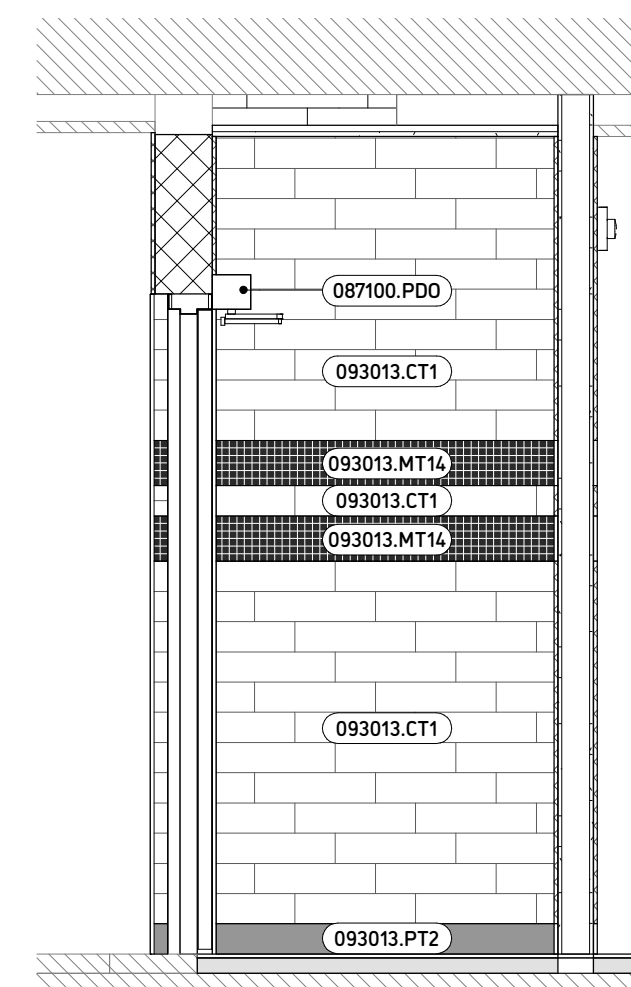
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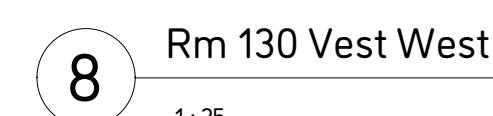
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Rm 130 Vest South

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Rm 130 Vest West

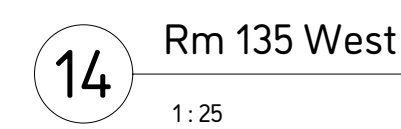
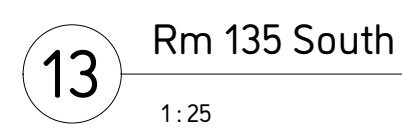
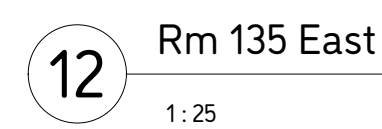
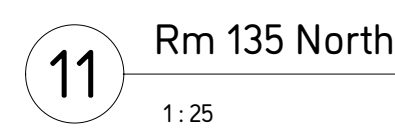
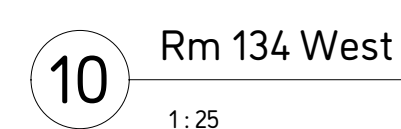
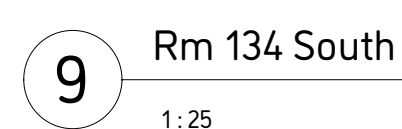
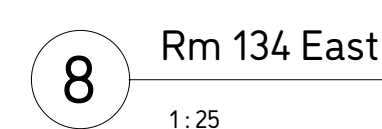
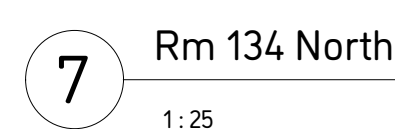
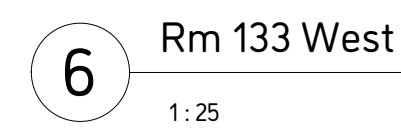
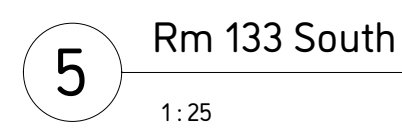
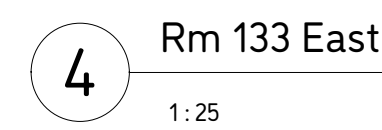
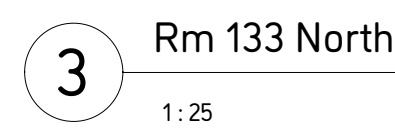
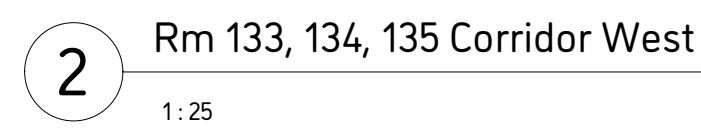
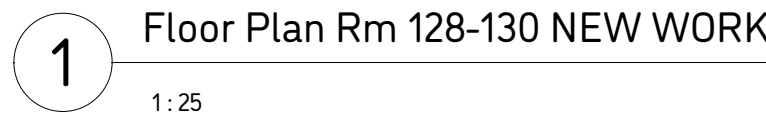
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Key Value	Keynote Text
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08700.PDO	Power Door Operator with hold open function. [Refer also to Electrical]
093013.CG-1	Tile Corner Trim CG-1 Schluter Rondo
093013.CT1	Ceramic Wall Tile 100x400 Arctic White Bright
093013.MT14	Glass Mosaic Tile 25x25 Slate
093013.PT2	Porcelain Tile Tile 305x610 Anthracite
10211A.1	
102800.BR-1	Back Rest
102800.CH-1	Coat Hook
102800.GB-1	Stainless Steel 90 Degree Grab Bar
102800.GB-2	Stainless Steel 24" Straight Grab Bar
102800.HD-1	Hand Dryer [Refer to Electrical]
102800.MI-1	24" x 36" Tilt Mirror
102800.SND-1	Sanitary Napkin Disposal
102800.SNV-1	Sanitary Napkin Vending Machine
102800.TP-1	Toilet Paper Holder
20100.T1	Toilet T-1
220100.T-2	Toilet T-2
220100.WF-1	Washdown WF-1
233000.DG-1	Door Grille, Refer to Mechanical for size.
233000.TS	Thermostat
262700.GFI	GFI receptacle - Refer to electrical.
262700.REC	Receptacle
283000.FAS	Fire Alarm Strobe

DATE: 5/17/2021 7:03:43 AM
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Revisions



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77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

Parkview Public School Washroom Renewal

Lindsay, Ontario

TENDER and BUILDING PERMIT

TBD

Seal



KEYNOTES

Key Value	Keynote Text
093013.CG-1	Tile Corner Trim CG-1 Schluter Rondo
093013.CT1	Ceramic Wall Tile 100x400 Arctic White Bright
093013.CT-14	
093013.MT14	Glass Mosaic Tile 25x25 Slate
093013.MT15	Glass Mosaic Tile 25x25 Green Parade
093013.PT2	Porcelain Tile Tile 305x610 Anthracite
093013.PT3	Porcelain Tile Tile 50x50 Black Fleck
102800.MI-1	24" x 36" Tilt Mirror
102800.SND-1	Sanitary Napkin Disposal
102800.TP-1	Toilet Paper Holder
220100.EW1	Eye Wash Station by Owner - refer to Mechanical for connections
220100.L-1	Lavatory
220100.MS-1	Mop Sink MS-1
220100.T1	Toilet T-1
220100.TF	Toilet Flange in tile
233000.DG-1	Door Grille. Refer to Mechanical for size.
262700.GF1	GF1 receptacle - Refer to electrical.
265000.E2	E2 Emergency Light Fixture w/ Battery Unit Refer to Electrical
265000.O5	Occupancy Sensor

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PROJECT NO:	2020.007.17
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Revisions

Title
Rm 133, 134, 135
FINISHES

Sheet

A903

GENERAL NOTES:

1. READ STRUCTURAL DRAWINGS IN CONNECTION WITH OTHER CONTRACT DOCUMENTS
2. THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS ON THE STRUCTURE DRAWINGS WITH THE ARCHITECTURAL DRAWINGS BEFORE CONSTRUCTION. ANY DISCREPANCIES OR ERRORS MUST BE REPORTED TO THE ARCHITECT / ENGINEER PRIOR TO COMMENCING WORK
3. DO NOT SCALE DRAWINGS
4. FEATURES OF CONSTRUCTION NOT FULLY SHOWN ARE OF THE SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.
5. STRUCTURAL DESIGN IS BASED ON THE LATEST EDITION OF THE NATIONAL BUILDING CODE AND, SPECIFICALLY, DIV. B- PART 4 OF THE 2012 ONTARIO BUILDING CODE
6. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR THE TESTING OF CONCRETE, COMPACTION, INSPECTION OF STRUCTURAL REINFORCING AND STRUCTURAL STEEL FOR ALIGNMENT, BOLTS AND WELDED CONNECTIONS, AND FOR THE PROMPT SUBMISSION OF ALL REPORTS TO THE PROJECT ENGINEER AND ARCHITECT.
7. ANY TEMPORARY SHORING REQUIRED TO CONSTRUCT THE WORKS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT THE START OF THE PROJECT AND ARRANGE FOR ALL INSPECTIONS IN ACCORDANCE WITH CLAUSE 10.2 OF THE BUILDING CODE ACT AND DIV. C. PART 1 OF THE ONTARIO BUILDING CODE, PROVIDE MINIMUM 48 HOURS NOTICE WHEN AN INSPECTION IS REQUIRED. TULLOCH ENGINEER HUNTSVILLE MY BE CONTACTED BY PHONE AT (705)789-8751.
9. WHERE DEMOLITION OR RENOVATION OF EXISTING BUILDING IS INVOLVED, IT IS THE RESPONSIBILITY OF THE OWNER TO COMPLETE A DESIGNATED SUBSTANCE SURVEY. A COPY OF THE SURVEY SHALL BE FORWARDED TO THE ENGINEER AND TO THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF CSA SPECIFICATIONS S16.1 (LATEST EDITION) AND CSA SPECIFICATIONS G40.1 TYPE350W (LATEST EDITION) FOR BEAMS AND 350W FOR HSS (CLASS C).
2. THE WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE CSA W59 AND THE WELDING COMPANY AND WELDERS SHALL BE QUALIFIED UNDER THE REQUIREMENTS OF CSA W57 (LATEST EDITION) FOR THE APPROPRIATE POSITION.
3. PREPARE AND SUBMIT FOR APPROVAL, FULLY DETAILED AND DIMENSIONED DRAWINGS AND ERECTION DIAGRAM, FOUR COPIES SHALL BE PROVIDED TO THE ENGINEER FOR APPROVAL, FABRICATION, AND ERECTION. DRAWINGS SHALL BE SEALED BY THE FABRICATORS ENGINEER. ADDITIONAL COPIES OF THE DRAWINGS SHALL BE PROVIDED AS REQUIRED.
4. BOLTED CONNECTIONS SHALL BE MADE USING FRICTION TYPE CONNECTIONS AND HIGH TENSILE STRENGTH BOLTS (A325 MINIMUM).
5. PROVIDE AND REMOVE TEMPORARY BRACING NECESSARY TO KEEP THE STRUCTURE TRUE AND PLUMB DURING CONSTRUCTION.
6. ALL CONNECTIONS TO BE STANDARD FRAME BEAM CONNECTORS AND ARE TO BE DESIGNED AND STAMPED BY THE FABRICATOR'S ENGINEER AS PER CSA S16.1
7. STEEL SHALL BE THOROUGHLY CLEANED AND BE GIVEN ONE SHOP COAT OF ANTI-CORROSIVE PRIMER, AREAS EFFECTED BY WEATHERING, DAMAGE DUE TO HANDLING ETC., SHALL HAVE THE RUST REMOVED AND BE "TOUCHED UP" IN THE FIELD.
8. ALL OF THE BASE PLATES FOR COLUMNS AND BEARING PLATES FOR THE BEAMS SHALL BE GROUTED WITH MINIMUM OF 38MM (1½") OF 35 MPA (S100 PSI) NON-SHRINK GROUT.
9. NO SPLICES IN BEAMS AND COLUMNS WILL BE ALLOWED WITHOUT WRITTEN APPROVAL BY THE ENGINEER. BUTT WELDS IN SPLICES AND MOMENT CONNECTIONS MUST BE ULTRASONICALLY TESTED OR X-RAYED AND PASSED BY AN INDEPENDENT TESTING COMPANY.
10. CO-ORDINATE WITH MECHANICAL ENGINEER, ELECTRICAL ENGINEER, AND ALL SUB-TRADES WHOSE WORK AFFECTS THE DETAILING, FABRICATION AND ERECTION OF THE STRUCTURAL STEEL. DO NOT CUT OPENINGS IN STRUCTURAL STEEL MEMBERS WITHOUT ENGINEER APPROVAL.
11. NO HOLES SHALL BE CUT IN THE BEAMS OR COLUMNS.

FOUNDATIONS:

1. FOUND ALL FOOTINGS ON NATURALLY CONSOLIDATED, UNDISTURBED SOIL CAPABLE OF SAFELY SUSTAINING 150 Kpa (3000 psf). BEARING CAPACITY SHALL BE CONFIRMED BY CBO OR ENGINEER
2. NO FOOTINGS SHALL BE POURED UNTIL THE ENGINEER HAS APPROVED THE FOUNDATION CONDITIONS.
3. THE LINE SLOPE BETWEEN ADJACENT FOOTINGS OR EXCAVATIONS OR ALONG STEPPED FOOTINGS SHALL NOT EXCEED A RISE OF 7 AND A RUN OF 10.
4. ERECT, MAINTAIN, AND IF REQUIRED, REMOVE A SUPPORTING SHORINGS SYSTEM ALONG THE SIDES OF THE EXCAVATION.

CONCRETE:

1. CONCRETE IS SPECIFIED USING ALTERNATIVE NUMBER OF CSA A23.1 TABLE 2 AS FOLLOWS:

	EXTERIOR FOUNDATIONS	INTERIOR FLOOR SLAB
EXPOSED CLASS (TABLE 1)	C-1	N
AIR CONTENT CATEGORY (TABLE 4)	1	N/A
MAX. W/C RATIO (TABLE 2)	0.40	0.55
CURING TYPE (TABLE 19)	2	1
MIN. COMPRESSIVE STRENGTH @ 28 DAYS	35 MPa	30 MPa

2. AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF CONCRETE THE CONTRACTOR SHALL SUBMIT THE FOLLOWING TO THE ENGINEER FOR REVIEW:
 - A VALID 'CERTIFICATE OF READY MIXED CONCRETE PRODUCTION FACILITIES' OR A VALID 'CERTIFICATE OF MOBILE MIX CONCRETE PRODUCTION FACILITIES' AS ISSUED BY THE 'READY MIXED CONCRETE ASSOCIATION OF ONTARIO' TO THE PLANT BEING USED.
 - A COMPLETED 'CONCRETE MIXED FINAL SUBMISSION FORM'
 - A QUALITY PLAN THAT DESIGNATES A SPECIFIED SLUMP OR SOME OTHER MEASURE OF WORKMANSHIP
 - TEST RESULTS TO SHOW COMPLIANCE WITH CSA A23.1
 - AIR VOID SYSTEM OF HARDENED CONCRETE.
 - STATISTICAL STRENGTH TEST ANALYSIS TO CONFIRM THE STRENGTH LEVEL FOR EACH CLASS OF CONCRETE INCLUDING THE EXPECTED 7/28 DAY STRENGTH RATIO
3. FABRICATION AND PLACEMENT OF REINFORCING STEEL TO BE IN ACCORDANCE WITH CSA A23.1 AND THE REINFORCING STEEL INSTITUTE OF CANADA'S 'REINFORCING STEEL MANUAL OF STANDARD PRACTICE'.
4. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO CSA G30.18 M52, Fy=400 MPa (GRADE 400)
5. CONCRETE SHALL NOT BE POURED UNTIL REBAR HAS BEEN INSPECTED BY THE ENGINEER.
6. WHERE REBARS JOIN AT CORNERS PROVIDE CORNER BARS FOR LAPS, UNLESS NOTED OTHERWISE.
7. CONCRETE COVER FOR REINFORCING STEEL AS PER TABLE 17 OF CSA A23.1
 - ALL CONCRETE CAST AGAINST EARTH 76MM
 - ALL CONCRETE CAST IN FORMS BUT EXPOSED TO EARTH OR WEATHER 50MM
 - BARS 20M AND SMALLER IN WALLS AND SLABS 32MM
 - CONCRETE NOT EXPOSED TO EARTH AND WEATHER 25MM OR 1.5 NOMINAL BAR DIAMETER
8. ALL REINFORCING BARS SHALL BE ACCURATELY PLACED AND ADEQUATELY SUPPORTED BY PRECAST CONCRETE, ADDITION BARS, TIES, TIES OR APPROVED CHAIRS AGAINST DISPLACEMENT.
9. CONTINUOUS AND TEMPERATURE REINFORCING BARS SPLICES TO BE LAPPED 40 BAR DIAMETERS OR A MINIMUM OF 600 AT SPLICES AND CORNERS, UNLESS OTHERWISE SHOWN ON SECTION OR TYPICAL DETAILS. LAP CONTINUOUS TOP BARS AT CENTRE BETWEEN SUPPORTS AND CONTINUOUS ENDS WITH STANDARD HOOKS.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL CONCRETE IS PLACED AND CURED IN CONFORMANCE WITH THE REQUIREMENT OF CSA A23.1-14. THE CONTRACTOR IS RESPONSIBLE FOR ALL HEATING AND HOARDING REQUIRED.
11. ALL EXTERIOR EDGES TO BE CHAMFERED 19MM UNLESS NOTED OTHERWISE.

CEMENTITIOUS GROUT

1. CEMENTITIOUS GROUT UNDER BASE PLATES TO BE SIKAGROUT 212.

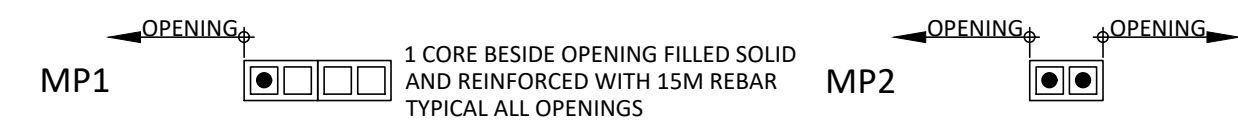
CONCRETE ANCHORS

1. ALL CONCRETE ANCHORS TO BE HILTI HAS ROD HOT DIPPED GALVANIZED (DIAMETER AS NOTED ON DRAWINGS).
2. ALL CONCRETE ANCHORS TO BE COMPLETE WITH HOT DIPPED GALVANIZED FLAT WASHERS, NUTS, LOCK NUTS, ETC. AS SPECIFIED ON THE DRAWINGS
3. ALL EPOXY ADHESIVE SHALL BE HILTI HIT-HY 200/HIT ICE.
4. INSTALL AS PER MANUFACTURE'S SPECIFICATIONS.

MASONRY

1. ALL MASONRY WORK SHALL CONFORM TO NATIONAL BUILDING CODE LATEST EDITION AND CSA STANDARDS S 304.1 - 'DESIGN OF MASONRY STRUCTURES', LATEST EDITION.
2. ALL CONCRETE MASONRY UNITS SHALL CONFORM TO CAN/CSA A165 SERIES-04 EXCEPT WHERE OTHERWISE SPECIFIED. PROVIDE MASONRY BLOCK WITH A MINIMUM COMPRESSIVE STRENGTH OF 15 MPa
3. UNTELS OVER ALL OPENINGS IN NON LOAD BEARING MASONRY WALLS, UNLESS OTHERWISE SHOWN ON STRUCTURAL DRAWINGS.
4. ALL STEEL UNTELS TO HAVE MINIMUM OF 150MM (6") BEARING ON EACH SIDE OF OPENING.
5. PROVIDE MINIMUM OF 2 COURSES OF 100% FILLED SOLID BLOCK 16" LONG MINIMUM FILLED WITH 20 MPa CONCRETE, CENTERED UNDER EACH BEAM AND JOIST BEARING PLATE.
6. MINIMUM BEAM BEARING PLATE UNLESS NOTED FOR JOIST OR BEAM SUPPLIED BY STEEL FABRICATOR
SP1 - 150MM CONC BLOCK - 250 x 12 x 125
SP2 - 200MM CONC BLOCK - 250 x 12 x 178
EACH WITH 1-12MMØ ANCHORS
7. FILL BLOCKS SOLID BELOW BEARING PLATES TWO COURSES, AND ALL LINTEL BLOCKS WITH TYPE M MORTAR 17.5 MPa
8. LOAD BEARING AND NON-LOAD BEARING WALLS TYPE S MORTAR 12.5 MPa
9. PROVIDE HORIZONTAL REINFORCING AT EVERY 2nd BLOCK COURSE USING HEAVY DUTY BLOCK-LOC LADDER REINFORCING.

REINFORCED MASONRY PIERS



MASONRY

1. OVER ALL OPENING AND RECESSES IN MASONRY WALLS, INCLUDING THOSE FOR MECHANICAL AND ELECTRICAL SERVICES OR EQUIPMENT, PROVIDE AND INSTALL MASONRY OR STEEL UNTELS IN ACCORDANCE WITH THE REQUIREMENTS OF THE LINTEL SCHEDULE
2. OBTAIN THE ENGINEER'S PERMISSION FOR ALL OPENINGS, SLEEVES, AND SLOTS THROUGH STRUCTURAL COMPONENTS NOT SHOWN ON STRUCTURAL DRAWINGS.
3. WHERE DOWELS, ANCHOR BOLTS, ETC., ARE SHOWN PROJECTING INTO MASONRY, GROUT THESE TIGHT INTO MASONRY VOIDS WITH CONCRETE OR CEMENT MORTAR.
4. PROVIDE A MINIMUM OF 400MM (16") DEPTH OF 100% SOLID MASONRY UNITS FOR BEARING OF STEEL, CONCRETE, OR MASONRY UNTELS AND FOR MINIMUM OF 200MM (8") PAST BEARING PLATE EACH SIDE.
5. ALL MASONRY MUST BE SET WITH FULLY FILLED JOINTS USING MORTAR AS DEFINED IN THE NATIONAL BUILDING CODE AND/OR CSA A179M. MORTAR TO BE TYPE 'S' UNLESS NOTED OTHERWISE.
6. PROVIDE A MINIMUM OF 38MM (1½") PORTLAND CEMENT GROUT UNDER ALL WALL PLATES AND BASE PLATES.
7. GROUT SHALL ALSO BE SUPPLIED IN CONCRETE BLOCK WALLS WHEREVER HORIZONTAL OR VERTICAL REINFORCING STEEL IS SPECIFIED. FILL CORES SOLID WHEREVER GROUT IS REQUIRED.
8. ALL MASONRY GROUT SHALL CONFORM TO CA/CSA A179-04 AND SHALL BE FINE TYPE GROUT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 10 MPa.
9. THE CONCRETE BLOCK SHALL CONFORM TO CSA STANDARD CAN3-A165 SERIES-04
10. THE MASONRY WIRE REINFORCING SHALL CONFORM TO CSA A370-04.
11. MASONRY VENEER CONNECTORS SHALL CONFORM TO AN BE INSTALLED IN ACCORDANCE WITH CSA A370-04
12. NO MASONRY WORK SHALL BE PERMITTED WITH TEMPERATURE BELOW 5 DEGREES CELSIUS UNLESS PROVISIONS ARE MADE FOR HEATING THE MATERIALS AND PROTECTING THE WORK WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
13. ALL MASONRY CONSTRUCTION SHALL CONFORM TO CSA STANDARDS A371-04.
14. PROVIDE CONTINUOUS TRUSS TYPE JOINT REINFORCING AT 400MM (16") O.C. AND USE "CORNER-LOK" AT ALL WALL INTERSECTIONS. REINFORCING TO BE HOT DIP GALVANIZED AT ASTM A 153 CLASS B2. LONGITUDINAL WIRES TO BE 4.76MM (⅜") DIAMETER, AND DIAGONAL WIRES TO BE 3.66MM DIAMETER (9 GA).
15. ALL METAL ANCHORS TO BE SECURE WALLS EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED.
16. ANCHOR ALL MASONRY TO COLUMNS WITH STEEL STRAP PLATE 40 X 5 X 525MM, 50MM HOOKS AT 600MM O.C. (PLATE 1½" X ⅜" X 21", 2" HOOKS AT 24") UNLESS NOTED.
17. PROVIDED UNTELS PER LINTEL SCHEDULE.
18. VERTICAL REINFORCING SHALL BE CONTINUOUS. LAB BARS 450MM (18")
19. REINFORCE ALL OPENINGS THROUGH MASONRY WALLS WITH TWO (2) 15M VERTICAL BARS EACH SIDE OF THE OPENING AND EXTENDING 600MM (16") PAST OPENING.
20. PROVIDE ONE COURSE BOND BEAM COMPLETE WITH TWO (2) 15M CONTINUOUS FOR ALL BEARING WALLS UNDER ROOF STRUCTURES AND ALL FLOOR STRUCTURES.

WOOD

1. THE STRUCTURAL TIMBER AND LUMBER SHALL BE NO. 1 OR 2 GRADE SPECIES SPF OR BETTER UNLESS NOTED OTHERWISE.
2. THE DESIGN OF THE BEAMS, COLUMNS AND UNTELS IS BASED ON THE LIMIT STATES DESIGN SPECIFIED UNDER CSA STANDARD 086. ANY SUBSTITUTIONS OF SPECIES, GRADE OR GROUP MUST BE APPROVED BY THE ENGINEER PRIOR TO THE COMMENCING OF WORK.
3. THE LUMBER WAS DESIGNED FOR A MOISTURE CONTENT GREATER THAN 15% AT THE TIME OF MANUFACTURE AND LESS THAN 15% IN SERVICE.
4. DURING CONSTRUCTION, ENSURE ALL MEMBERS ARE IN GOOD BEARING CONTACT.
5. CONNECTION HARDWARE IS TO RECEIVE ONE COAT OF ZINC CHROMATE PRIMER OR EQUAL. ENSURE THAT ALL HARDWARE AND FASTENERS IN CONTACT WITH PRESSURE TREATED WOOD ARE COMPATIBLE WITH THE PRESSURE TREATED CHEMICALS.
6. ALL PLYWOOD JOINTS ARE TO BE STAGGERED. NAIL ALL FLOOR, ROOF AND WALL SHEATHING AT 150MM (6") O.C. AT EDGES AND 300MM (1') CENTRES ELSEWHERE UNLESS NOTED OTHERWISE.
7. ALL PLYWOOD SHALL CONFORM TO CSA STANDARD 0121 OR 0151.
8. THE BEARING SHOWN ON THE DRAWINGS IS THE MAXIMUM WIDTH TO BE PROVIDED AND THE TRUSS

MANUFACTURER MUST DESIGN THE TRUSSES TO SUIT THE BEARING WIDTH.

9. PROVIDE STANDARD JOIST HANGERS AS REQUIRED BY SIMPSON, RSC OR APPROVED EQUIVALENT.
10. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
11. MAXIMUM BRIDGING SPACING FOR SWAN LUMBER JOISTS SHALL BE 2300MM (7'-6") O.C..
12. SPIKE EACH LAMINATION OF BUILD-UP BEAMS @ 300MM (1') O.C. AS FOLLOWS:
 - 1 ROW OF 90MM (3½") LONG NAILS FOR 140MM (5½") DEPTH.
 - 2 ROWS OF 90MM (3½") LONG NAILS FOR GREATER DEPTH.
13. SPIKE AND GLUE BUILD-UP POSTS @22-MM (8½") O.C. AS PER CODE AS FOLLOWS:
 - 1 ROW FOR 38X89 (2"X4")
 - 2 ROWS FOR LARGER SIZES
14. CONTINUITY OF POST MUST BE MAINTAINED TROUGH FLOORS BY SOLID BLOCKING OR POST EXTENSIONS.

SUBMITTALS

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SUBMITTAL OF ALL REQUIRED SHOP OR FABRICATION DRAWINGS IN A TIMELY MANNER.
2. ALL STRUCTURAL SUBMITTALS SUBMITTED FOR REVIEW MUST FIRST BE REVIEW BY AND STAMPED BY THE GENERAL CONTRACTOR.
3. THE FOLLOWING SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW:

DRAWING	P.ENG. SEAL
A. REINFORCING STEEL	NO
B. CONCRETE MIX DESIGN	NO
C. STRUCTURAL STEEL	NO
4. WHERE NOTED IN THE ABOVE TABLE, STRUCTURAL SUBMITTALS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.
5. ALL STRUCTURAL SUBMITTALS WILL BE REVIEWED BY THE ARCHITECT AND THE ENGINEER SOLELY FOR THE CONFORMANCE WITH THE DESIGN INTENT AND THE CONSTRUCTION DOCUMENTS.
6. ALL SUBMITTALS SHALL CONSIST OF ONE ELECTRONIC PDF COPY OR FOUR PRINTS. ONE COPY WILL BE RETAINED BY THE ENGINEER.

MATERIALS TESTING AND INSPECTION

THE CONTRACTOR SHALL INCLUDE COSTS TO ENSURE THAT THE FOLLOWING QUALITY CONTROL ACTIVITIES ARE UNDERTAKEN DURING THE COURSE OF WORK:

1. COMPACTION TESTING AS SPECIFIED ON THE DRAWINGS
2. REBAR INSPECTION PRIOR TO CONCRETE PLACEMENT.
3. CONCRETE TESTING IN ACCORDANCE WITH CSA A23.1 AND A23.2.

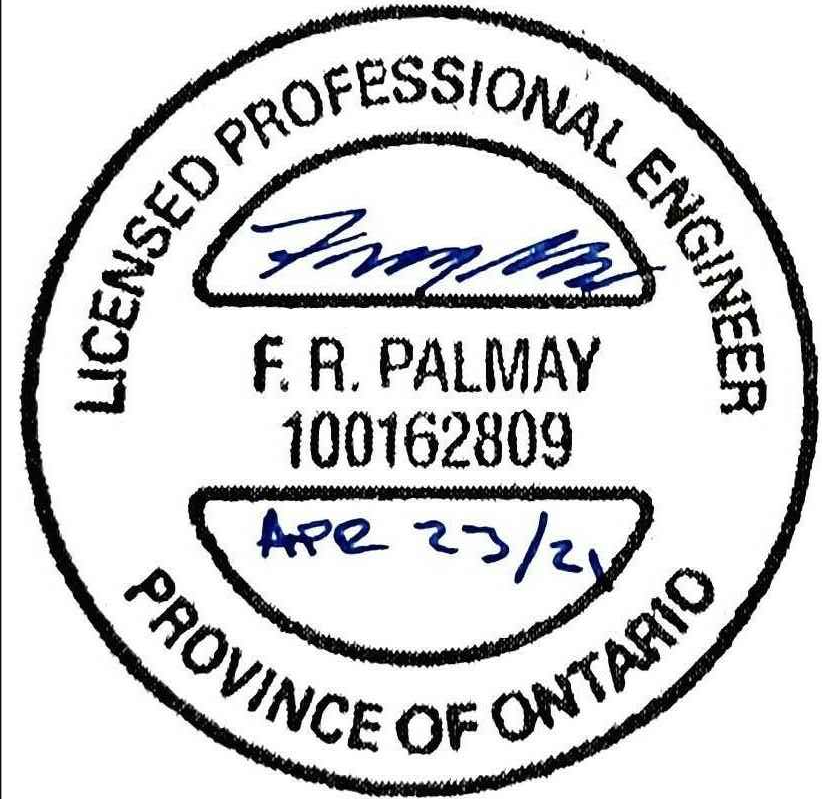
CONTACT TULLOCH ENGINEERING TO OBTAIN PRICING.

FINAL CLEAN UP

1. AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES, THE BUILDING ERECTION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL WASTE CONSTRUCTION MATERIALS, DEBRIS, ETC. FROM THE SITE.
2. AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES, THE BUILDING CONTRACTOR SHALL BE RESPONSIBLE TO SWEEP, WIPE AND POWER WASH ALL SURFACES ON THE INTERIOR AND EXTERIOR OF THE BUILDING.



No.	DATE	REVISION
0	2021/03/05	ISSUED TO ARCHITECT
1	2021/03/25	ISSUED TO ARCHITECT
2	2021/04/23	ISSUED FOR TENDER



TLDSB
1271 CEDAR LANE
BRACEBRIDGE, ONT

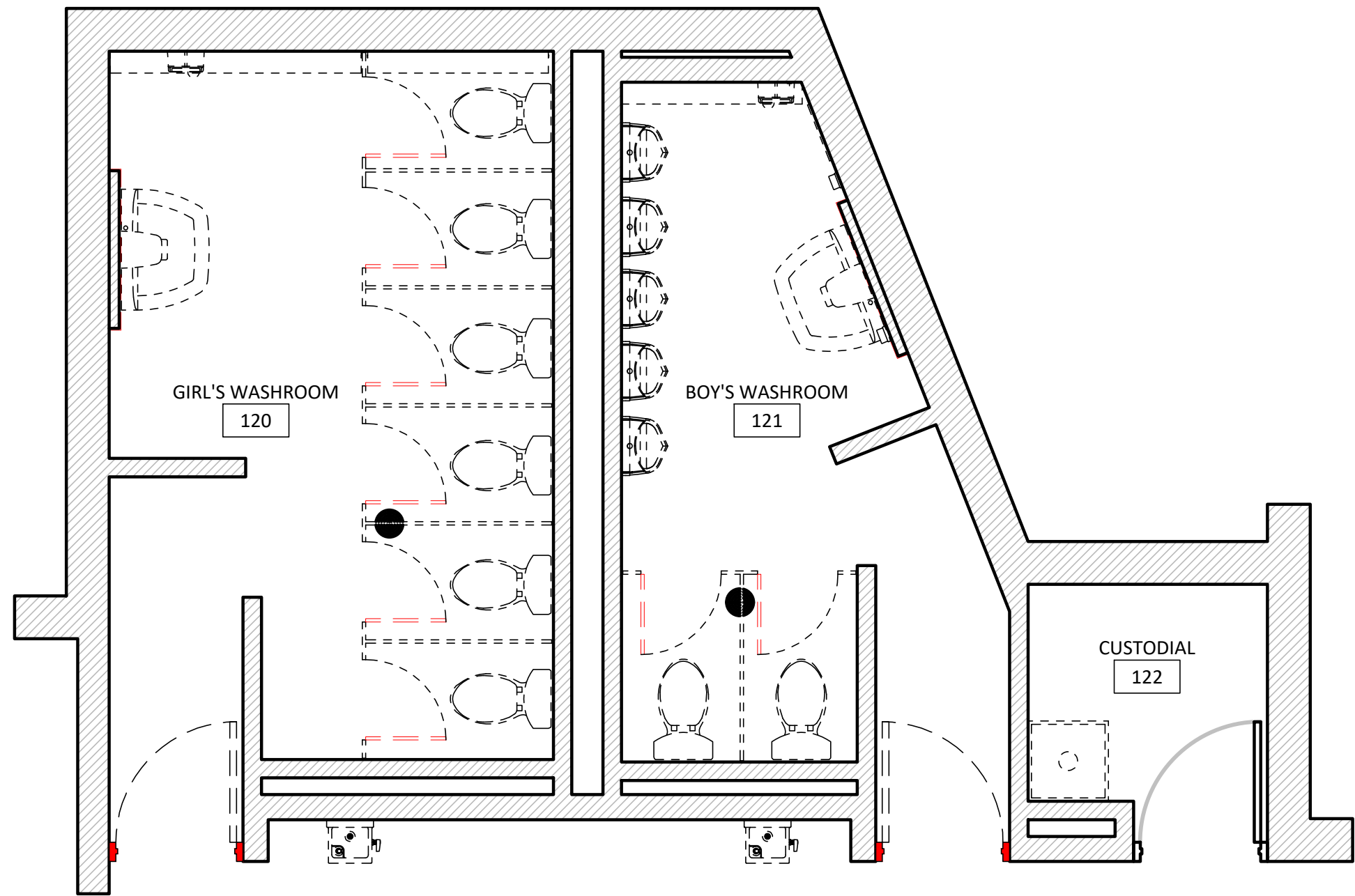
PROJECT ADDRESS:

PARKVIEW
PUBLIC SCHOOL
LINDSAY, ONT

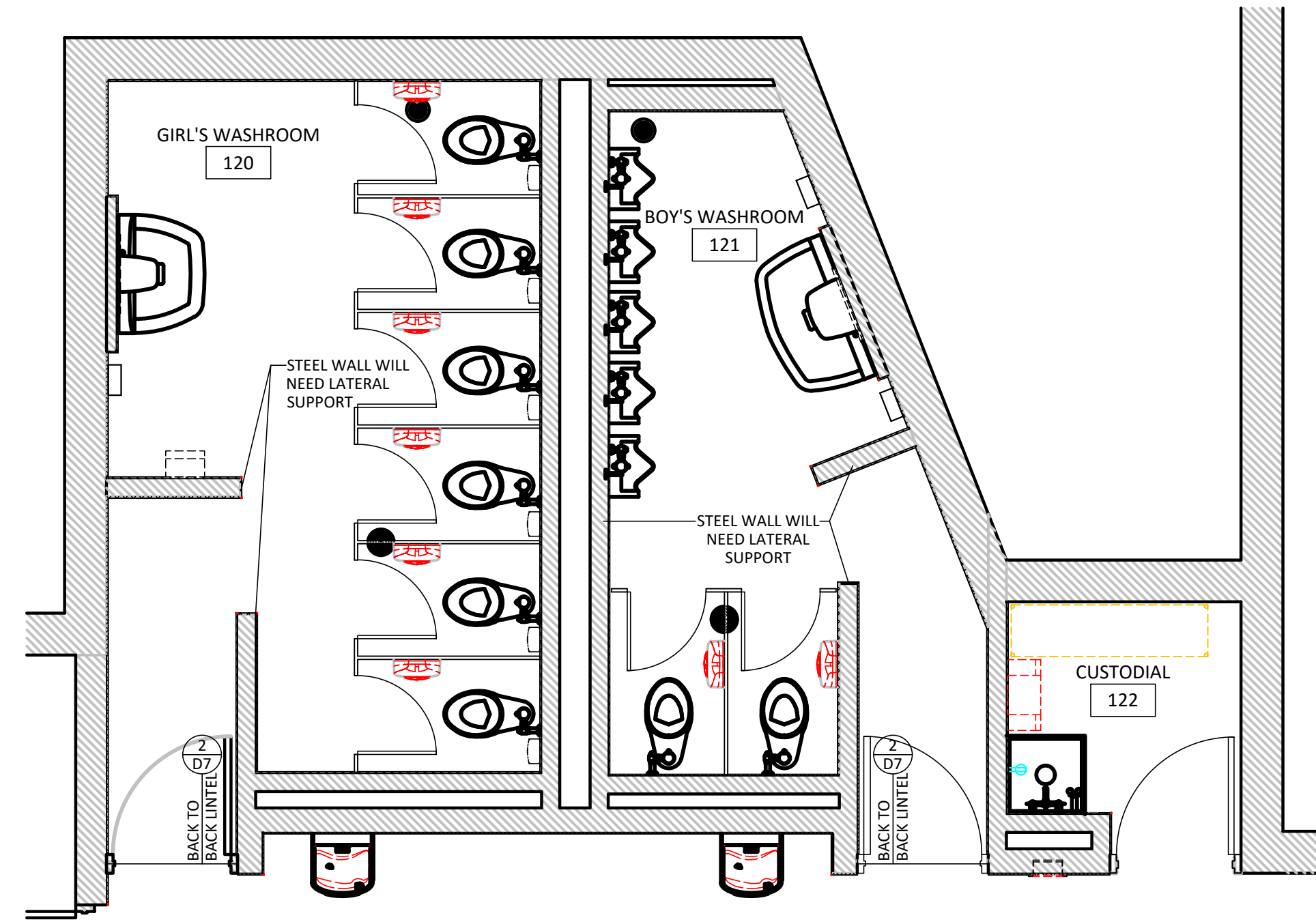
DRAWING TITLE:

STRUCTURAL
UPGRADES & REPAIRS
GENERAL NOTES

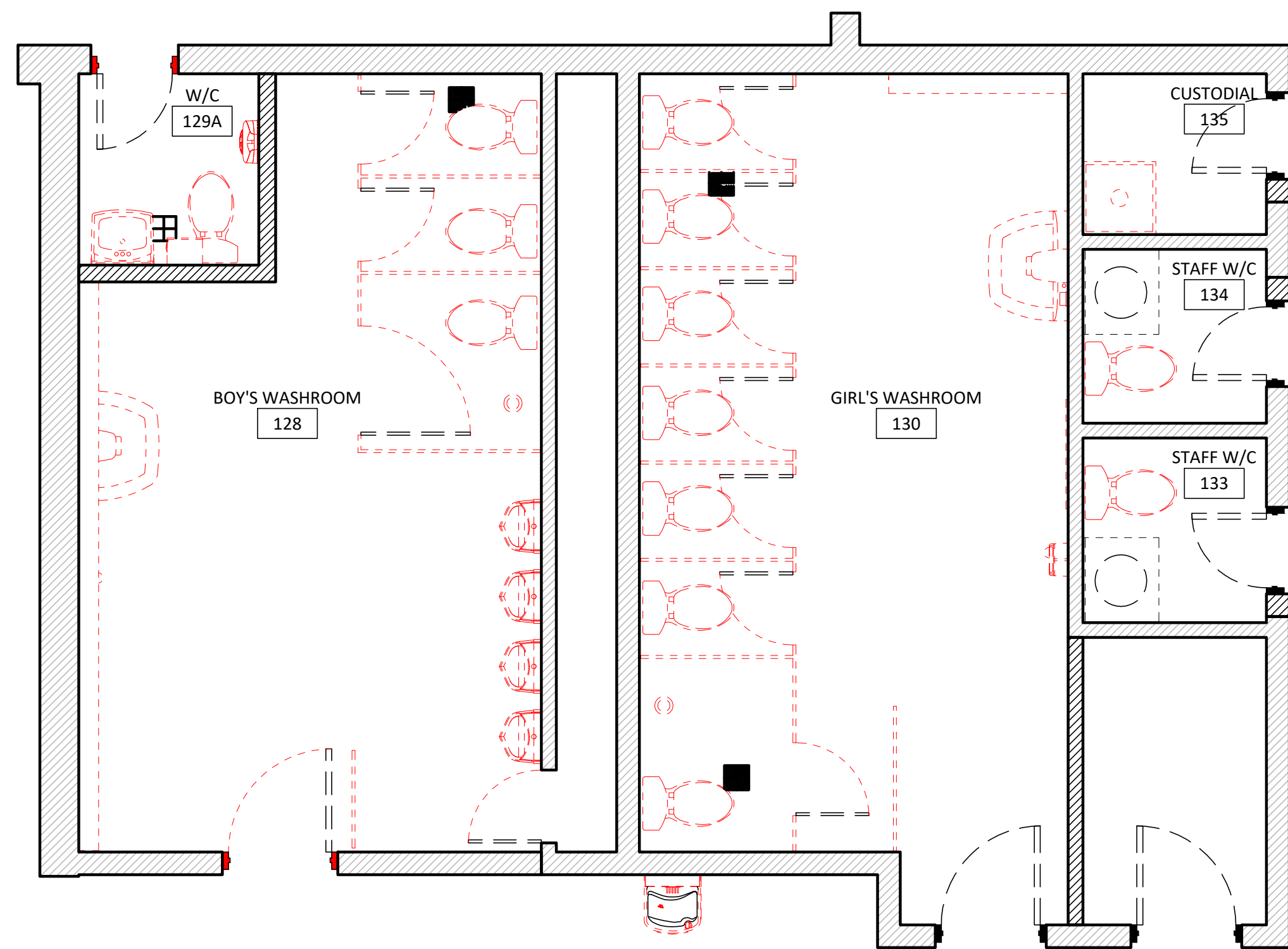
DRAWN	DESIGNED	CHECKED	APPROVED
HD	FP	FP	FP
SCALE AS NOTED		DATE (M/D/Y) 2021/01/20	
PROJECT No. 20-1636	REVISION 2	DRAWING G1	



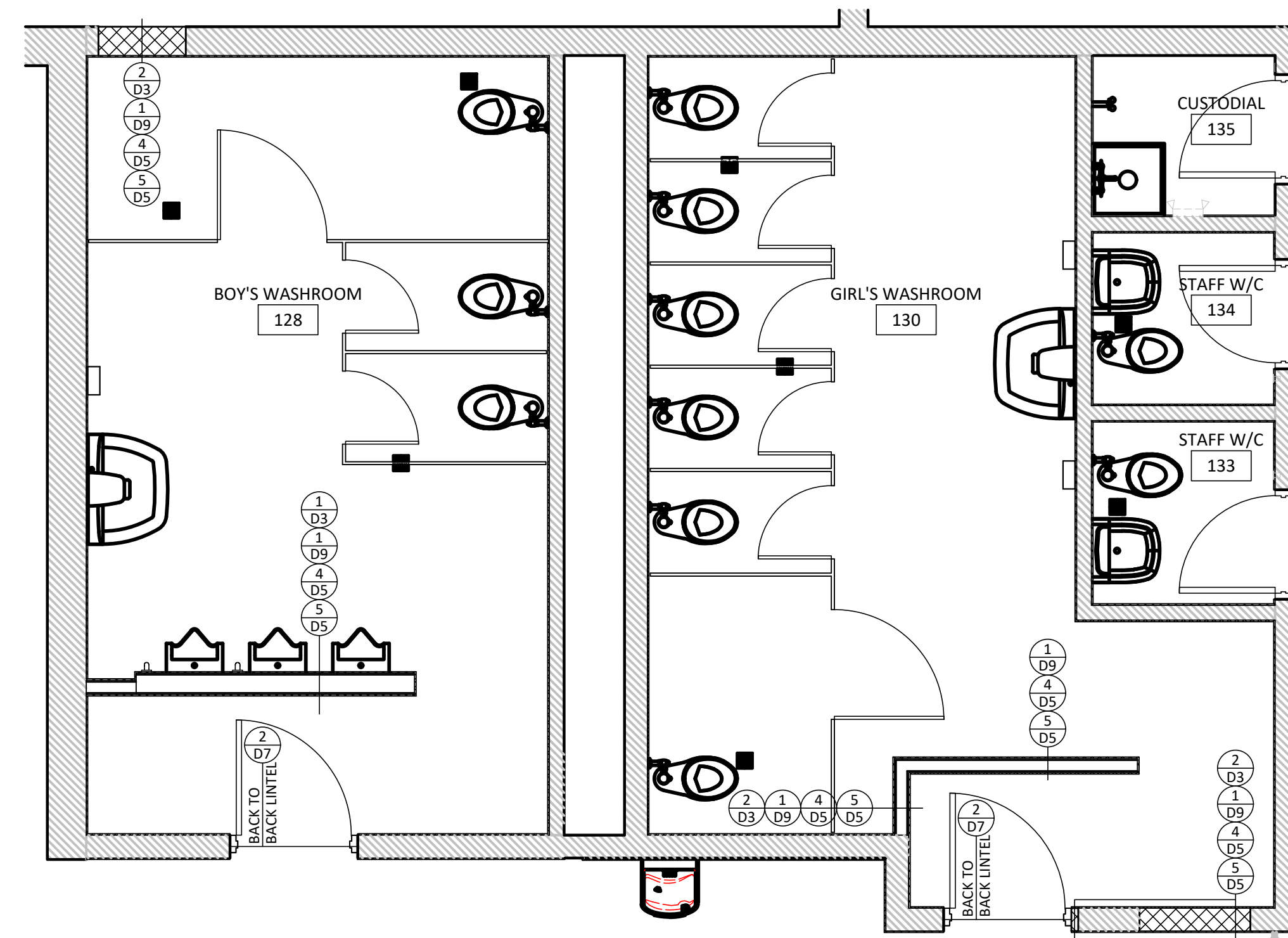
1 ROOM 120, 121 AND 122 - EXISTING CONDITIONS
S1 1:40



2 ROOM 120, 121 AND 122 - PROPOSED PLAN
S1 1:40

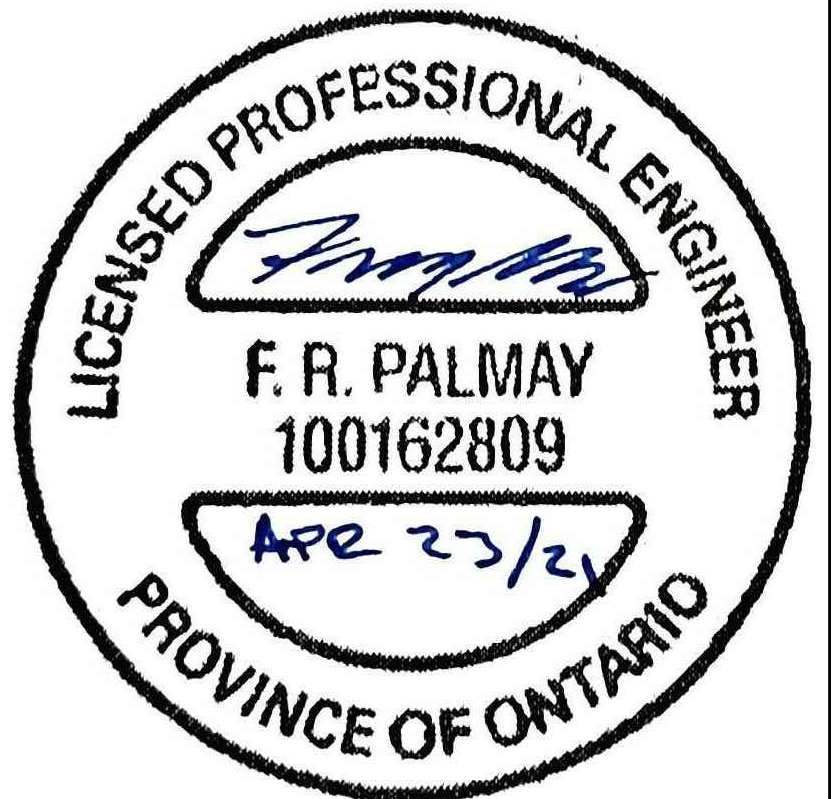


3 ROOM 128 AND 130 - EXISTING CONDITIONS
S1 1:40



4 ROOM 128 AND 130 - PROPOSED PLAN
S1 1:40

No.	DATE	REVISION
0	2021/03/05	ISSUED TO ARCHITECT
1	2021/03/25	ISSUED TO ARCHITECT
2	2021/04/23	ISSUED FOR TENDER



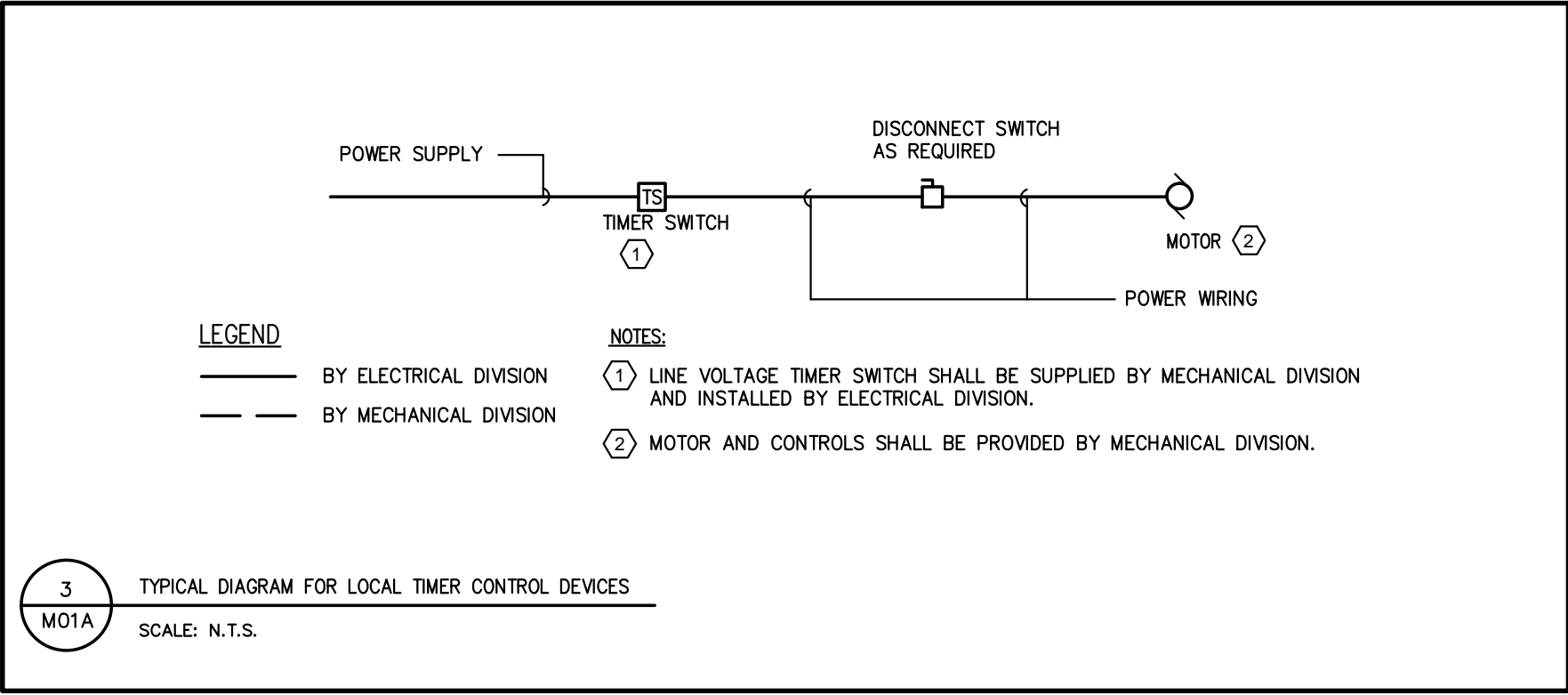
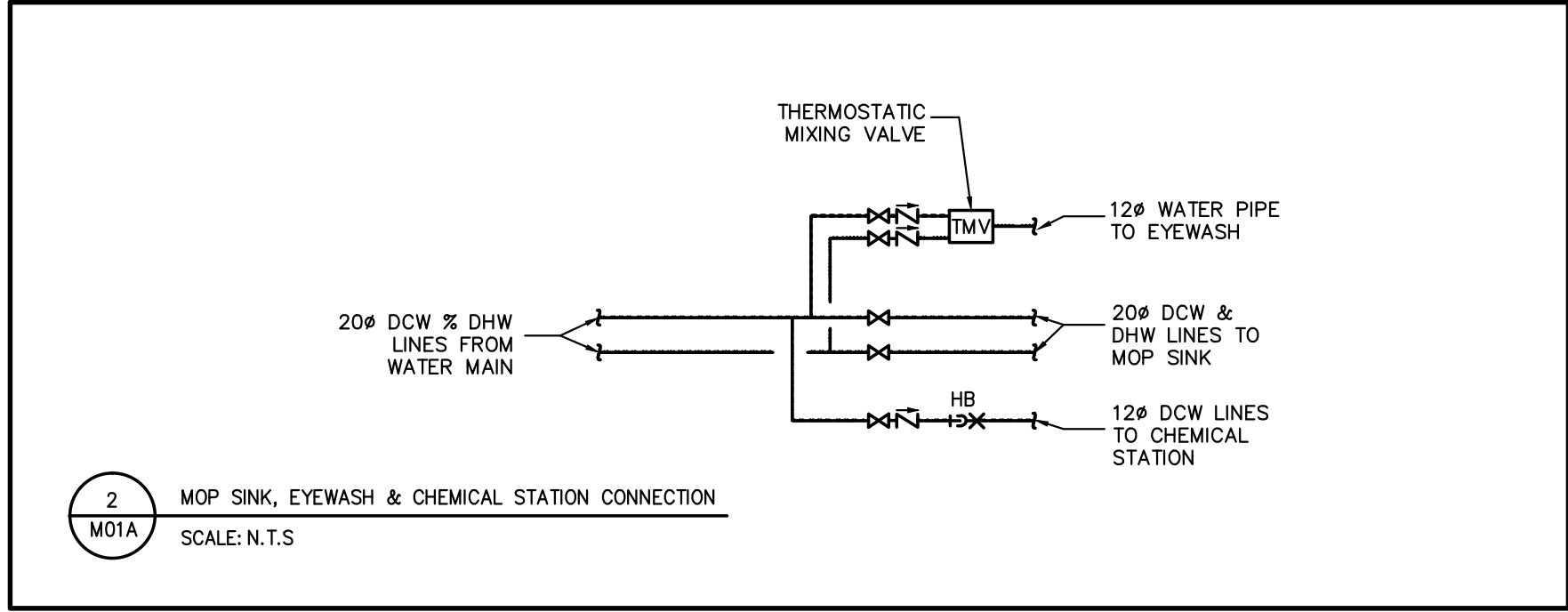
PROJECT ADDRESS:

**PARKVIEW
PUBLIC SCHOOL
LINDSAY, ONT**

DRAWING TITLE:

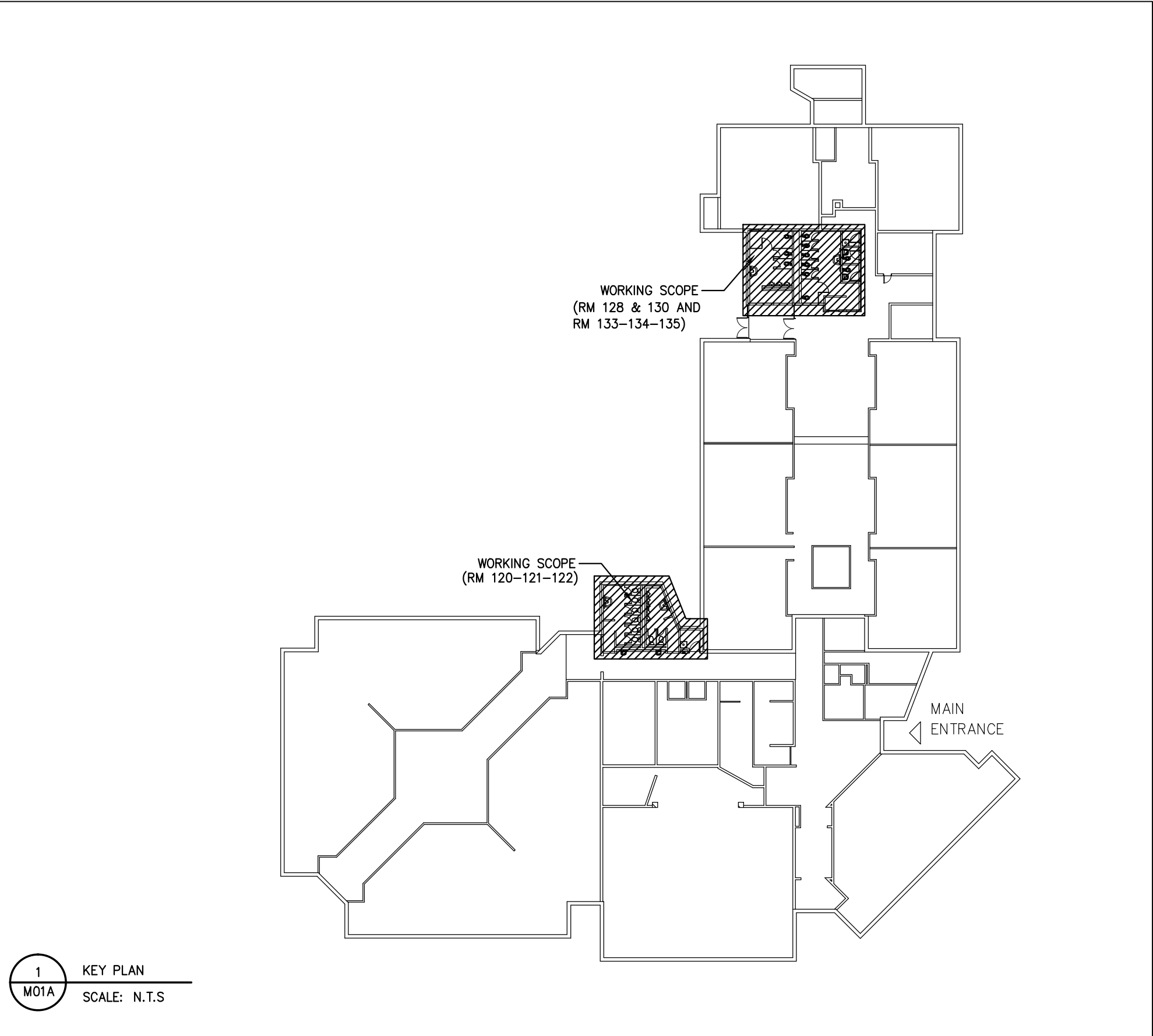
**STRUCTURAL
UPGRADES & REPAIRS
ROOM 120, 121, 128,130**

DRAWN	DESIGNED	CHECKED	APPROVED
HD	FP	FP	FP
SCALE		DATE (M/D/Y)	
AS NOTED		2021/01/20	
PROJECT No.	REVISION	DRAWING	
20-1636	2	S1	



PROJECT GENERAL NOTES:

- PRIOR TO CONSTRUCTION, PERFORM AIR BALANCE TEST FOR EXISTING AIR DISTRIBUTION SYSTEM (INCLUDING EXISTING CENTRAL/ROOF EXHAUST FAN TOTAL CFM) WITHIN THE PROJECT WORKING AREA. SUBMIT REPORT.
- PRIOR TO CONSTRUCTION, PERFORM DRAINAGE LINE INSPECTION AND CAMERA TEST FOR EXISTING DRAINAGE SYSTEM WITHIN THE PROJECT WORKING AREA. SUBMIT VIDEO AND MEASURED DRAWING.
- PRIOR TO COMPLETION, PERFORM AIR BALANCE TEST FOR THE AIR DISTRIBUTION SYSTEM WITHIN THE PROJECT WORKING AREA. SUBMIT REPORT.
- PRIOR TO COMPLETION, PERFORM DRAINAGE LINE CAMERA TEST FOR THE UNDERGROUND DRAINAGE SYSTEM WITHIN THE PROJECT WORKING AREA. SUBMIT VIDEO AND WRITTEN REP



GRILLE & DIFFUSER SCHEDULE					
REF. LETTER	TYPE	MAKE/MODEL	DAMPER	FINISH	REMARKS
A	EXHAUST AIR GRILLE	E.H. PRICE MODEL 630	N	B-12	ALUMINIUM LOUVRED FACE GRILLE, SIZE AS SHOWN ON DRAWING
NOTES: 1. COLOUR TO ARCHITECT'S CHOICE.					

PLUMBING FIXTURE SCHEDULE						
TYPE	FIXTURE	D.H.W.	D.C.W.	VENT	SANITARY	NOTES
T-1	TOILET	—	1"	1-1/2"	3"	FLOOR MOUNTED, FLUSH VALVE, NO-TOUCH, 1.6 GPF
T-2	TOILET	—	1"	1-1/2"	3"	BARRIER FREE, FLOOR MOUNTED, FLUSH VALVE, NO-TOUCH, 1.6 GPF
WF-1	WASH FOUNTAIN	1/2"	1/2"	1-1/4"	1-1/2"	BARRIER FREE, INFRARED SENSOR FAUCET, MULTI-USER, INTEGRATED SOAP DISPENSERS
WF-2	WASH FOUNTAIN	1/2"	1/2"	1-1/4"	1-1/2"	BARRIER FREE, INFRARED SENSOR FAUCET, MULTI-USER, INTEGRATED SOAP DISPENSERS
U-1	URINAL	—	3/4"	1-1/4"	2"	WALL MOUNTED, FLUSH VALVE, NO-TOUCH, 0.5 GPF
U-2	URINAL	—	3/4"	1-1/4"	2"	BARRIER FREE, WALL MOUNTED, FLUSH VALVE, NO-TOUCH, 0.5 GPF
L-1	LAVATORY	1/2"	1/2"	1-1/4"	1-1/4"	WALL MOUNTED, NO-TOUCH FAUCET, 0.5 GPM
MS-1	MOP SINK	3/4"	3/4"	1-1/2"	3"	FLOOR MOUNTED
DF-1	DRINKING FOUNTAIN	—	1/2"	1-1/4"	1-1/4"	BARRIER FREE, HANDS-FREE, SINGLE LEVEL

FAN SCHEDULE							
UNIT No.	MANUFACTURER	MODEL NO.	FAN				REMARKS
			FLOW RATE (CFM)	ESP (IN. W.C.)	TYPE	MOTOR RPM WATT	
EF-1	GREENHECK	SP-A250	200	0.5	CEILING FAN	— 67 115/1/60	LINE VOLTAGE TIMER NOTE 1
EF-2	GREENHECK	SP-A250	200	0.5	CEILING FAN	— 67 115/1/60	LINE VOLTAGE TIMER NOTE 1
NOTES: 1. C/W GRAVITY DAMPER.							

MECHANICAL DRAWING LIST	
DWG. NO.	DRAWING TITLE
M01A	MECHANICAL LEGEND, DRAWING LIST, KEY PLAN, SCHEDULE, DETAIL
M01B	PLUMBING FIXTURE SPECIFICATION
M02	EXISTING MECHANICAL PLAN - RM 120&121&122
M03	PROPOSED MECHANICAL PLAN - RM 120&121&122
M04	EXISTING MECHANICAL PLAN - RM 128&129A&130&133&134&135
M05	PROPOSED MECHANICAL PLAN - RM 128&129A&130&133&134&135

HVAC LEGEND	
SYMBOL	DESCRIPTION
—	DUCTWORK (SINGLE LINE)
—	FLEXIBLE DUCT
—	CONTROL WIRE
—	POSITIVE PRESSURE DUCT UP
—	RETURN/EXHAUST DUCT UP
—	SUPPLY DUCT DOWN
—	RETURN/EXHAUST DUCT DOWN
①	THERMOSTAT
TS	TIME SWITCH
DG	DOOR GRILLE
UC	DOOR UNDERCUT
BD	BALANCING DAMPER
FD	FIRE DAMPER
MD	MOTORIZED DAMPER
□	SQUARE SUPPLY AIR DIFFUSER
□	RETURN OR EXHAUST AIR GRILLE
XX	DENOTE AIR FLOW RATE XX L/S
⊗	DIFFUSER/GRILLE TYPE X - TYPE Y - SIZE (MM) Z - AIR VOLUME (L/S)

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
—	DOMESTIC COLD WATER (DCW)
—	DOMESTIC HOT WATER (DHW)
—	DOMESTIC HOT WATER RECIRCULATION (DHWR)
—	BURIED SANITARY DRAIN OR IN CEILING SPACE/FLOOR BELOW
—	SUSPENDED SANITARY DRAIN
—	BURIED STORM DRAIN OR IN CEILING SPACE/FLOOR BELOW
—	SUSPENDED STORM DRAIN
—	CLEANOUT PLUG
—	FLOOR CLEANOUT
—	VALVE SHUT-OFF
—	CAPPED CONNECTION
—	FLOOR DRAIN
—	PIPE CUT
—	PIPE DOWN
—	PIPE UP
—	SANITARY ROUGH-IN

ABBREVIATIONS	
ABBREV.	DESCRIPTION
DN	DOWN
S/A	SUPPLY AIR
R/A	RETURN AIR
E/A	EXHAUST AIR
F/A	FRESH AIR
RWL	RAIN WATER LEADER
NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR
CTE	CONNECT TO EXISTING
RE	DENOTES EXISTING DEVICE(S) IN RELOCATED POSITION
R	DENOTES EXISTING DEVICE(S) TO BE RELOCATED
D	DENOTES EXISTING DEVICE(S) TO BE REMOVED
EX	DENOTES EXISTING DEVICE(S) TO REMAIN
N	DENOTES PROVIDE NEW DEVICE(S)
①	DENOTES DRAWING REFERENCE NOTES # 1
—	EXISTING SERVICES OR EQUIPMENTS TO BE REMOVED
R	EXISTING SERVICES OR EQUIPMENTS TO BE RELOCATED
—	REFER TO DETAIL No. ON DRAWING No.



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H2B9

Trillium Lakelands
District School Board
Parkview PS
Washroom
Renovation

WO# 041703

133 Adelaide St N,
Lindsay, ON K9V 4M2



Seal



14721 WOODBINE AVE. STOUFFVILLE, ON
L4A 2G7 905-713-0003 www.hlengineering.ca

DATE: 2021-04
PROJECT NO: 20065-B5
DRAWN: MT
CHECKED: ML

Revisions

- ISSUED FOR REVIEW 2021-03-05
- ISSUED FOR PERMIT&TENDER 2021-04-19

MECHANICAL LEGEND,
DRAWING LIST, KEY
PLAN, SCHEDULE,
DETAIL

N.T.S.

Scale

Sheet

M01A

Trillium Lakelands
District School Board
Parkview PS
Washroom
Renovation

WO# 041703

133 Adelaide St N,
Lindsay, ON K9V 4M2

Seal



DATE:	2021-04
PROJECT NO:	20065-B5
DRAWN:	MT
CHECKED:	ML

Revisions

- ISSUED FOR REVIEW 2021-03-05
- ISSUED FOR PERMIT&TENDER 2021-04-19

Title

PLUMBING FIXTURE
SPECIFICATION

N.T.S

Scale

Sheet

M01B

PLUMBING FIXTURE SPECIFICATION

- '1'-1', FLOOR MOUNTED TOILET – VITREOUS CHINA – FOR FLUSHOMETER – EXPOSED – BATTERY POWERED**
AMERICAN STANDARD MADERA FLOWISE ELONGATED #3451.001.020 HET TOILET, 381 MM HIGH, VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA MOLD AND MILDEW, WHITE FINISH, FLOOR MOUNTED, SIPHON JET FLUSH ACTION, OPERATES IN THE RANGE OF 4.2 L TO 6 L (1.1 US GAL TO 1.6 US GAL) PER FLUSH, CONDENSATE CHANNEL, 305 MM X 254 MM (12" X 10") WATER SURFACE, SIPHON JET FLUSH ACTION, CONDENSATE CHANNEL, ELONGATED BOWL, 54 MM (2-1/8") FULLY GLAZED INTERNAL TRAPWAY, FLOOR OUTLET, BOLT CAPS, 38 MM (1-1/2") DIA. TOP SPUD.
CENTOCO #500TS0CC.001 TOILET SEAT, HEAVY DUTY, FOR ELONGATED BOWL, OPEN FRONT, SOLID PLASTIC, LESS COVER, STAINLESS STEEL CHECK HINGES, METAL FLAT WASHERS STAINLESS STEEL POSTS AND NUTS
MOEN COMMERCIAL M POWER BATTERY POWERED EXPOSED STYLE CLOSET FLUSH VALVE MODEL 8310DF16, BRASS CONSTRUCTION W/CHROME PLATED FINISH, 1" IPS SUPPLY, 1-1/2" TOP SPUD, ADJUSTABLE SENSOR EYES, BATTERY POWERED (4) STANDARD AA (INCLUDED), SELF-DIAGNOSTIC ELECTRONICS, PISTON FLUSHING MECHANISM, SELF CLEANING FILTER SYSTEM, LOW BATTERY INDICATOR LIGHT, OPERATING PRESSURE 10 TO 125 PSI, 1.0 GPF UP TO 60 SECONDS/1.6 GPF AFTER 60 SECONDS, 24 HOUR SENTINEL FLUSH, MANUAL OVERRIDE BOTTOM.
PROVIDE FLOOR FLANGE, (SAME MATERIAL AS THE CONNECTING PIPE DRAIN), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET.
- '1'-2', FLOOR MOUNTED TOILET – VITREOUS CHINA – FOR FLUSHOMETER – EXPOSED – BATTERY POWERED – BARRIER FREE**
AMERICAN STANDARD MADERA FLOWISE RIGHT HEIGHT ELONGATED #3461.001.020 HET TOILET, 419 MM HIGH, VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA MOLD AND MILDEW, WHITE FINISH, FLOOR MOUNTED, SIPHON JET FLUSH ACTION, OPERATES IN THE RANGE OF 4.2 L TO 6 L (1.1 US GAL TO 1.6 US GAL) PER FLUSH, CONDENSATE CHANNEL, 305 MM X 254 MM (12" X 10") WATER SURFACE, SIPHON JET FLUSH ACTION, CONDENSATE CHANNEL, ELONGATED BOWL, 54 MM (2-1/8") FULLY GLAZED INTERNAL TRAPWAY, FLOOR OUTLET, BOLT CAPS, 38 MM (1-1/2") DIA. TOP SPUD.
CENTOCO #500TS0CC.001 TOILET SEAT, EXTRA HEAVY DUTY, FOR ELONGATED BOWL, OPEN FRONT, SOLID PLASTIC, WITH COVER, STAINLESS STEEL CHECK HINGES, METAL FLAT WASHERS STAINLESS STEEL POSTS AND NUTS
MOEN COMMERCIAL M POWER BATTERY POWERED EXPOSED STYLE CLOSET FLUSH VALVE, PRIOR TO SHOP DRAWING SUBMISSION, CONTRACTOR SHALL CONFIRM OWNER AND ARCH. DRAWING FOR REQUIREMENT ON BACKREST AND GRAB BARS, INCLUDE FLUSH VALVE TUBE EXTENSION AND DELETE SEAT COVER IF REQUIRED, FLUSH VALVE MODEL 8310DF16, BRASS CONSTRUCTION W/CHROME PLATED FINISH, 1" IPS SUPPLY, 1-1/2" TOP SPUD, ADJUSTABLE SENSOR EYES, BATTERY POWERED (4) STANDARD AA (INCLUDED), SELF-DIAGNOSTIC ELECTRONICS, PISTON FLUSHING MECHANISM, SELF CLEANING FILTER SYSTEM, LOW BATTERY INDICATOR LIGHT, OPERATING PRESSURE 10 TO 125 PSI, 1.0 GPF UP TO 60 SECONDS/1.6 GPF AFTER 60 SECONDS, 24 HOUR SENTINEL FLUSH, MANUAL OVERRIDE BOTTOM.
PROVIDE FLOOR FLANGE, (SAME MATERIAL AS THE CONNECTING PIPE DRAIN), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET.
- 'U'-1', WALL HUNG URINAL – FOR FLUSHOMETER – EXPOSED – BATTERY POWERED**
AMERICAN STANDARD WASHBROOK FLOWISE #6590.001.020 URINAL, VITREOUS CHINA, OPERATES IN THE RANGE OF 0.5 L TO 3.8 L (0.125 US GAL TO 1.0 US GAL) PER FLUSH, WALL HUNG, EXTENDED SIDES FOR PRIVACY, WASHDOWN ACTION, WASHBROOK FLOWISE, FLUSHING RIM, 19 MM (3/4") DIA. TOP SPUD, ELONGATED RIM, INTEGRAL P-TRAP, OUTLET CONNECTION 51 MM (2"). 2 WALL HANGERS, #7301242-100 CHROME PLATED, NON-METALLIC STRAINER, WHITE FINISH. CONTRACTOR SHALL CONFIRM ARCH. DRAWING FOR EXACT MOUNTING HEIGHT.
MOEN COMMERCIAL MODEL 8315 CHROME PLATED, M POWER VERSION, CAST BRASS BODY, 3/4" TOP SPUD WITH A 3/4" IPS SUPPLY, PISTON FLUSHING MECHANISM WITH ADJUSTABLE SENSOR RANGE AND FLOW CONTROL, LOW BATTERY INDICATOR LIGHT, SELF-CLEANING FILTER SYSTEM, MECHANICAL MANUAL OVERRIDE BUTTON AND VANDAL RESISTANT POLYCARBONATE SENSOR LENS, 0.5GPF (1.9L/FLUSH), WATTS #CA-321 FIXTURE CARRIER, MOUNTED ON CONCRETE FLOOR, EPOXY COATED TOP AND BOTTOM UNIVERSAL STEEL HANGER PLATES, HEAVY GAUGE EPOXY COATED STEEL OFFSET UPRIGHTS WITH WELDED FEET SUPPORTS, FOR ONE UNIT: 102 MM (4") FOR TWO TO SIX UNITS IN A ROW: 152 MM (6") FINISHED METAL STUD WALL TO BACK OF PIPE SPACE, WATTS #MU00 URINAL WALL ACCESS CLEANOUT, TWO (2) PIECE EXPANDABLE PLUG WITH 102 MM (4") DIAMETER STAINLESS STEEL ACCESS COVER, SECURED WITH VANDAL PROOF STAINLESS STEEL SCREW, CHAMPION MI-X SERIES #MI-XHUB DRAIN COUPLING, COUPLING, NO-HUB, TYPE 304 AISI STAINLESS STEEL BAND, TYPE 304 AISI STAINLESS STEEL EYELET, ELASTOMERIC COMPOUND GASKET MEETING THE REQUIREMENTS OF ASTM C-564, TYPE 304 AISI STAINLESS STEEL SHIELD, PAINTED RED FOR EASY IDENTIFICATION, TESTED TO MAINTAIN 15 PSI MAXIMUM LINE PRESSURE AT 80 INCH LB MIN TO 100 INCH LB MAXIMUM TORQUE BOLT TIGHTNESS, TESTED BY IAPMO TO COMPLY TO FM 1680-1989 STANDARD (EXCEPT FOR MARKINGS) AND CSA B602-2010 STANDARD (UP TO 10"), THEY ARE TESTED AND CERTIFIED TO ASTM C1540-2011 STANDARD, PER OSHPD CODE APPLICATION NOTICE 5-311.9 REVISED 6/29/2011, SIGNED BY PAUL COLEMAN; SECTION I (A) STATES THAT: "THE USE OF COUPLINGS THAT HAVE BEEN TESTED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVALS, APPROVAL STANDARD 1680, CLASS I, BY FM APPROVALS OR BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING AGENCY" ARE ACCEPTABLE.
- 'U'-2', BARRIER FREE – WALL HUNG URINAL – FOR FLUSHOMETER – EXPOSED – BATTERY POWERED**
AMERICAN STANDARD WASHBROOK FLOWISE #6590.001.020 URINAL, VITREOUS CHINA, OPERATES IN THE RANGE OF 0.5 L TO 3.8 L (0.125 US GAL TO 1.0 US GAL) PER FLUSH, WALL HUNG, EXTENDED SIDES FOR PRIVACY, WASHDOWN ACTION, WASHBROOK FLOWISE, FLUSHING RIM, 19 MM (3/4") DIA. TOP SPUD, ELONGATED RIM, INTEGRAL P-TRAP, OUTLET CONNECTION 51 MM (2"). 2 WALL HANGERS, #7301242-100 CHROME PLATED, NON-METALLIC STRAINER, WHITE FINISH. CONTRACTOR SHALL CONFIRM ARCH. DRAWING FOR EXACT MOUNTING HEIGHT AND GRAB BARS AND BARRIER FREE REQUIREMENT.
MOEN COMMERCIAL MODEL 8315 CHROME PLATED, M POWER VERSION, CAST BRASS BODY, 3/4" TOP SPUD WITH A 3/4" IPS SUPPLY, PISTON FLUSHING MECHANISM WITH ADJUSTABLE SENSOR RANGE AND FLOW CONTROL, LOW BATTERY INDICATOR LIGHT, SELF-CLEANING FILTER SYSTEM, MECHANICAL MANUAL OVERRIDE BUTTON AND VANDAL RESISTANT POLYCARBONATE SENSOR LENS, 0.5GPF (1.9L/FLUSH), WATTS #CA-321 FIXTURE CARRIER, MOUNTED ON CONCRETE FLOOR, EPOXY COATED TOP AND BOTTOM UNIVERSAL STEEL HANGER PLATES, HEAVY GAUGE EPOXY COATED STEEL OFFSET UPRIGHTS WITH WELDED FEET SUPPORTS, FOR ONE UNIT: 102 MM (4") FOR TWO TO SIX UNITS IN A ROW: 152 MM (6") FINISHED METAL STUD WALL TO BACK OF PIPE SPACE, WATTS #MU00 URINAL WALL ACCESS CLEANOUT, TWO (2) PIECE EXPANDABLE PLUG WITH 102 MM (4") DIAMETER STAINLESS STEEL ACCESS COVER, SECURED WITH VANDAL PROOF STAINLESS STEEL SCREW, CHAMPION MI-X SERIES #MI-XHUB DRAIN COUPLING, COUPLING, NO-HUB, TYPE 304 AISI STAINLESS STEEL BAND, TYPE 304 AISI STAINLESS STEEL EYELET, ELASTOMERIC COMPOUND GASKET MEETING THE REQUIREMENTS OF ASTM C-564, TYPE 304 AISI STAINLESS STEEL SHIELD, PAINTED RED FOR EASY IDENTIFICATION, TESTED TO MAINTAIN 15 PSI MAXIMUM LINE PRESSURE AT 80 INCH LB MIN TO 100 INCH LB MAXIMUM TORQUE BOLT TIGHTNESS, TESTED BY IAPMO TO COMPLY TO FM 1680-1989 STANDARD (EXCEPT FOR MARKINGS) AND CSA B602-2010 STANDARD (UP TO 10"), THEY ARE TESTED AND CERTIFIED TO ASTM C1540-2011 STANDARD, PER OSHPD CODE APPLICATION NOTICE 5-311.9 REVISED 6/29/2011, SIGNED BY PAUL COLEMAN; SECTION I (A) STATES THAT: "THE USE OF COUPLINGS THAT HAVE BEEN TESTED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVALS, APPROVAL STANDARD 1680, CLASS I, BY FM APPROVALS OR BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING AGENCY" ARE ACCEPTABLE.
- 'WF'-1', TRI-FOUNT FLOOR MOUNTED WASHFOUNTAIN, 15A PLUG**
FLOOR MOUNTED, ACCESSIBLE, 3 USER WASHFOUNTAIN: CONSTRUCTED WITH INTEGRAL CONTINUOUS BOWL, COMPACT DECK, AND BACKSPLASH LEDGE CONTAINING CONCEALED, VANDAL-RESISTANT SPRAY HEAD AND INTEGRATED LIQUID SOAP DISPENSER. UNIT INCLUDES WASTE AND SUPPLY CONNECTIONS TO WALL WITH STOP, STRAINER, AND CHECK VALVES, AND STEEL SUPPORT FRAME, CONCEALED BY TAMPER-RESISTANT STAINLESS STEEL ACCESS PANEL: ADA/ABA, AND ANSI A117.1 COMPLIANT, IPC/CUPC-CERTIFIED BY IAPMO.
1. BASIS OF DESIGN MANUFACTURER/MODEL: BRADLEY, MULTI-FOUNT WASHFOUNTAIN SYSTEM, MF2933.
2. UNIT SIZE: 36 BY 26 INCH (914 BY 660 MM)
3. MOUNTING HEIGHT: 080
4. SPRAY HEAD: INDEPENDENT WATER STREAM FORMER WITH FLOW RATE OF 0.5 GPM (0.032 L/S) AT OPERATING RANGE OF 20 TO 80 PSI (138 TO 552 KPA).
A. SPRAY HEAD VALVE OPERATION: INFRARED SENSING (IRP) MODULE AND SOLENOID WITH ADJUSTABLE TURN OFF DELAY AND AUTOMATIC SHUT-OFF, WITH 120VAC/12VDC PLUG-IN ADAPTER, RECEPTACLES TO BE CONCEALED BEHIND WASHSINK.
5. SOAP DISPENSER: LSD (TWO INTEGRAL LIQUID SOAP DISPENSERS)
6. WATER SUPPLY: TMA (NAVIGATOR THERMOSTATIC MIXING ASSEMBLY (HOT & COLD SUPPLIES)
7. COLOR: SUBMIT COLOUR SAMPLE FOR ARCHITECT REVIEW AND APPROVAL.
- 'WF'-2', QUADRA-FOUNT FLOOR MOUNTED WASHFOUNTAIN, 15A PLUG**
FLOOR MOUNTED, ACCESSIBLE, 4 USER WASHFOUNTAIN: CONSTRUCTED WITH INTEGRAL CONTINUOUS BOWL, COMPACT DECK, AND BACKSPLASH LEDGE CONTAINING CONCEALED, VANDAL-RESISTANT SPRAY HEAD AND INTEGRATED LIQUID SOAP DISPENSER. UNIT INCLUDES WASTE AND SUPPLY CONNECTIONS TO WALL WITH STOP, STRAINER, AND CHECK VALVES, AND STEEL SUPPORT FRAME, CONCEALED BY TAMPER-RESISTANT STAINLESS STEEL ACCESS PANEL: ADA/ABA, AND ANSI A117.1 COMPLIANT, IPC/CUPC-CERTIFIED BY IAPMO.
1. BASIS OF DESIGN MANUFACTURER/MODEL: BRADLEY, MULTI-FOUNT WASHFOUNTAIN SYSTEM, MF2944.
2. UNIT SIZE: 48 BY 26 INCH (1168 BY 660 MM)
3. MOUNTING HEIGHT: 080
4. SPRAY HEAD: INDEPENDENT WATER STREAM FORMER WITH FLOW RATE OF 0.5 GPM (0.032 L/S) AT OPERATING RANGE OF 20 TO 80 PSI (138 TO 552 KPA).
A. SPRAY HEAD VALVE OPERATION: INFRARED SENSING (IRP) MODULE AND SOLENOID WITH ADJUSTABLE TURN OFF DELAY AND AUTOMATIC SHUT-OFF, WITH 120VAC/12VDC PLUG-IN ADAPTER, RECEPTACLES TO BE CONCEALED BEHIND WASHSINK.
5. SOAP DISPENSER: LSD (TWO INTEGRAL LIQUID SOAP DISPENSERS)
6. WATER SUPPLY: TMA (NAVIGATOR THERMOSTATIC MIXING ASSEMBLY (HOT & COLD SUPPLIES)
7. COLOR: SUBMIT COLOUR SAMPLE FOR ARCHITECT REVIEW AND APPROVAL.
- 'L'-1', WALL MOUNTED LAVATORY, INFRARED SENSOR OPERATED, 15A PLUG**
AMERICAN STANDARD MURRO WITH EVERCLEAN #0955.001EC/0062.000EC BASIN, CENTER HOLE ONLY, 540 MM X 520 MM X 165 MM (21-1/4" X 20-1/2" X 6-1/2") HIGH, VITREOUS CHINA, FOR CARRIER WITH CONCEALED ARMS, REAR OVERFLOW, RECESSED SELF-DRAINING FAUCET LEDGE, ACRYLIC SHROUD (CONCEALED CONTROL BOX AND THERMOSTATIC MIXING VALVE).
SLOAN BASINS #E74-200 ELECTRONIC, NO TOUCH FAUCET, CHROME PLATED FINISH, CENTER HOLE ONLY, CAST BODY, INTEGRAL ABOVE DECK WATER SUPPLY SHUT OFF, OPTIMAL "MID" HEIGHT SPOUT FOR EFFECTIVE HAND WASHING, 167 MM (6-9/16") PROJECTION REACH, ACTIVE IR SENSING, 0.5 GPM (1.9 LPM) MULTI-LAMINAR, BACK UP ALKALINE BATTERY PROVIDED, BOX MOUNT, SLOAN #BDT, THERMOSTATIC MIXING VALVE, SOLID BIMETAL (BRONZE, BRASS, STAINLESS STEEL), HOT LIMIT STOP SET TO A MAXIMUM OF 43 °C (109.4 °F). SCREWDRIVER ADJUSTMENT TEMPERATURE DIAL WITH SCALE: COLD-HOT, PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION. PROVIDE TEMPERED WATER TO HOT SIDE OF FAUCET. MCGUIRE #155A OPEN GRID DRAIN, CAST BRASS ONE PIECE TOP, 17 GA. (1.5 MM) TUBULAR 32 MM (1-1/4") TAILPIECE, MCGUIRE #FH170BV, FAUCET SUPPLIES, CHROME PLATED FINISH POLISHED BRASS, COMMERCIAL DUTY 1/4" TURN BALL VALVE ANGLE STOPS, 13 MM (1/2") I.D. INLET X 127 MM (5") HORIZONTAL EXTENSION TUBES, COMBINATION V.P. LOOSE KEY HANDLES, ESCUTCHEON AND FLEXIBLE COPPER RISERS, MCGUIRE #8972CB P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WITH SLIP NUT, 32 MM (1-1/4") SIZE, BOX FLANGE AND SEAMLESS TUBULAR WALL BEND. WATTS #WCA-411, BASIN CARRIER, CONCEALED ARMS, WALL FLANGES TO ATTACH TO BACKING PLATE SECURED IN WALL WITH LOCKING DEVICE AND LEVELLING SCREWS, HEAVY GAUGE STEEL UPRIGHTS WITH INTEGRAL WELDED FEET. FOR ONE UNIT: 102 MM (4") FOR TWO TO SIX UNITS IN A ROW: 152 MM (6") FINISHED METAL STUD WALL TO BACK OF PIPE SPACE.
- 'DF'-1', SINGLE-LEVEL DRINKING FOUNTAIN, HANDS FREE, FILTERED, REFRIGERATED STAINLESS**
ELKAY EZH2O BOTTLE FILLING STATION WITH SINGLE ADA COOLER, MODEL LZ08WSSK, WALL HUNG WATER COOLER, SINGLE-LEVEL, CHILLING CAPACITY OF 8.0 GPH OF 50 °F DRINKING WATER AT 90 °F AMBIENT AND 80 °F INLET WATER, VISUAL FILTER MONITOR, FILTERED, ANTIMICROBIAL, STAINLESS STEEL COOLER CABINET, LAMINAR FLOW PROVIDES MINIMAL BACK SPLASH, LEAD-FREE DESIGN, ELECTRONIC BOTTLE FILLER SENSOR AND SENSOR BUBBLER, REAL DRAIN SYSTEM ELIMINATES STANDING WATER, STAINLESS STEEL BOTTLE FILLER, QUICK FILL RATE OF 1.1 GPM, INNOVATIVE GREEN TICKER COUNTS BOTTLES SAVED FROM WASTE, CURRENT OF 6.0 AMPS, POWER CONSUMPTION: 370W, GREEN SPEC LISTED, PROVIDE ELECTRICAL DUPLEX BOX WITH GFI, MCGUIRE #FH170BK DRINKING FOUNTAIN SUPPLIES, CHROME PLATED FINISH POLISHED BRASS, STRAIGHT STOPS, V.P. LOOSE KEYS, LOW LEAD. WATTS #CA-421 WATER COOLER CARRIER, MOUNTED ON CONCRETE FLOOR, UNIVERSAL STEEL HANGAR SUPPORT PLATES WITH INTEGRAL MOUNTING BRACKETS, HEAVY GAUGE STEEL UPRIGHTS WITH INTEGRAL WELDED FEET.
- 'MS'-1', SERVICE / MOP SINK – TWO HANDLES FAUCET**
STERN WILLIAMS #89-900 SQUARE SERVICE / MOP SINK, 610 MM (24") WIDE X 610 MM (24") LONG X 305 MM (12") HIGH DEEP, FLOOR MOUNTED, TERRAZZO COMPOSED OF PEARL GRAY MARBLE CHIPS AND PORTLAND CEMENT GROUND SMOOTH, SEALED TO RESIST STAIN FINISH, ONE PIECE STAINLESS STEEL CAST INTEGRAL ON ALL SIDES, WITHOUT TILING FLANGE, CAST BRASS DRAIN WITH STAINLESS STEEL STRAINER, 3"(75 MM) OUTLET. COMPLETE WITH DRAIN GASKET. CHICAGO FAUCETS #897-RCF WALL MOUNTED TWO HANDLES FAUCET, ROUGH CHROME FINISH, SOLID BRASS EXPOSED BODY, CERAMIC 1/4" TURN OPERATING CARTRIDGE, UNRESTRICTED HOSE END OUTLET, 203 MM (8") PROJECTION SPOUT WITH ATMOSPHERIC VACUUM BREAKER AND BUCKET HOOK, 60 MM (2-3/8") METAL VANDAL PROOF LEVER HANDLES WITH BLUE AND RED INDEX BUTTONS, WALL BRACE SUPPORT, STERN WILLIAMS T-35 HOSE AND WALL HOOK 36" (914 MM) LONG HOSE WITH 3/4" (19 MM) CHROME COUPLING, STAINLESS STEEL WALL BRACKET. STERN WILLIAMS #T-40 MOP HANGER, STAINLESS STEEL #4 FINISH, 24" (610 MM) LONG WITH 3 RUBBER SPRING LOADED CLIPS. STERN WILLIAMS BP BACK SPLASH PANEL 20 GA. (0.9 MM) TYPE 304 STAINLESS STEEL. PROVIDE P-TRAP, SAME MATERIAL AS THE CONNECTING PIPE DRAIN.
- 'TMV', THERMOSTATIC MIXING VALVE FOR EYEWASH**
A. THERMOSTATIC MIXING VALVE (FACTORY SET TO 85°F) FOR SINGLE EMERGENCY EYE OR EYE/FACE WASH. UNIT SHALL INCLUDE A BUILT-IN COLD WATER BYPASS, ROUGH BRONZE FINISH, SOLID BIMETAL THERMOSTAT, LOCKING TEMPERATURE REGULATOR WITH HIGH TEMPERATURE LIMIT STOP FACTORY SET FOR 90°F, INTEGRAL CHECK STOPS, AND DIAL THERMOMETER.
B. PERFORMANCE: UNIT SHALL HAVE A FLOW RANGE OF 0.5 GPM TO 6.5 GPM WITH A MAXIMUM PRESSURE LOSS OF 30 PSI AND COME WITH A FULL 2-YEAR WARRANTY.
C. QUALITY ASSURANCE: UNIT SHALL BE CERTIFIED TO ASSE 1071. UNIT SHALL BE CERTIFIED TO MEET LOW LEAD REQUIREMENTS OF WETTED SURFACE AREA CONTAINING LESS THAN 0.25% LEAD BY WEIGHT.
D. FIXTURE: GUARDIAN G360OLF
- 'HB', HOSE BIBB**
WATTS SERIES SC-8, CAST BRASS, C/W TAMPER-PROOF VACUUM BREAKER WITH BREAK-AWAY SCREW, ADJUSTABLE PACKING NUT CARTRIDGE.
- 'FD', FLOOR DRAIN**
WATTS #FD-100-C-LS-1-5-6-7 FLOOR DRAIN – EPOXY COATED, CAST IRON BODY, REVERSIBLE FLASHING CLAMP WITH PRIMARY AND SECONDARY WEEPHOLES, SEDIMENT BUCKET, VANDAL PROOF, TRAP PRIMER CONNECTION WITH PLUG, NO HUB OUTLET. WATTS –LS-1 5" X 5" (127 MM X 127 MM) NICKEL BRONZE, HEAVY DUTY, SQUARE STRAINER, VERIFY EXISTING STRAINING CONNECTION SIZE FOR NEW FLOOR DRAIN REPLACE EXISTING.
- 'CO', CLEANOUT**
WATTS #CO-200-S CLEANOUT – EPOXY COATED, CAST IRON BODY, 5-1/8" (130 MM) SQUARE ADJUSTABLE GASKETED HEAVY DUTY NICKEL BRONZE TOP, ABS PLUG WITH NEOPRENE GASKET, VANDAL PROOF, NO HUB OUTLET.

Trillium Lakelands
District School Board
Parkview PS
Washroom
Renovation

WO# 041703

133 Adelaide St N,
Lindsay, ON K9V 4M2

Seal



DATE: 2021-04
PROJECT NO: 20065-B5
DRAWN: MT
CHECKED: ML

Revisions

1. ISSUED FOR REVIEW 2021-03-05
2. ISSUED FOR PERMIT&TENDER 2021-04-19

Title

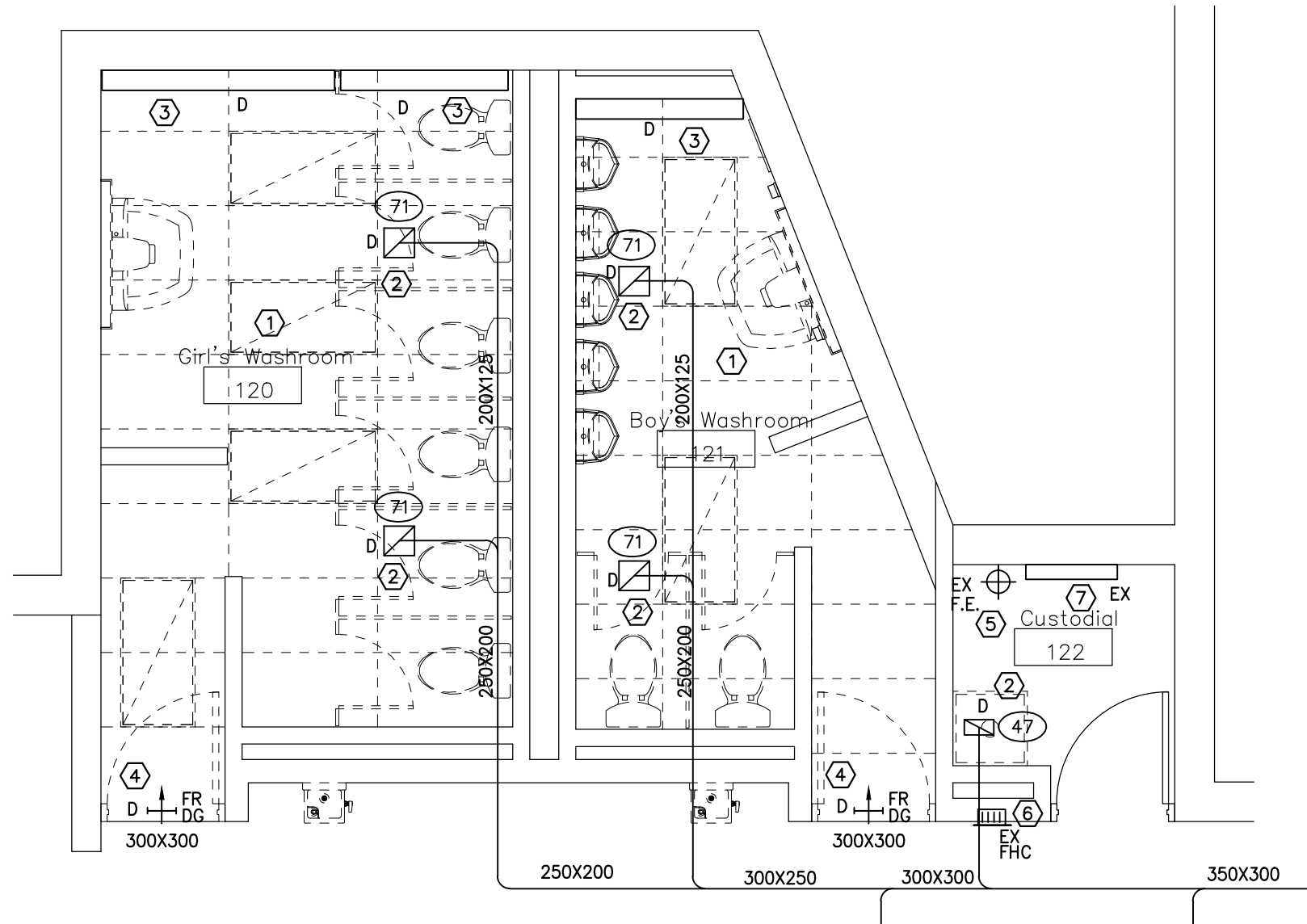
EXISTING MECHANICAL
PLAN – RM 120&121
&122

AS SHOWN

Scale

Sheet

M02



AIRFLOW TEST

1. ALL EXISTING AIRFLOW RATE AND DUCT SIZE INDICATED ON THIS DRAWING BASED ON BASE BLDG. MECHANICAL SYSTEM DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY EXACT LAYOUTS AND SIZES ON SITE.
2. WITHIN WORKING AREA, PRIOR TO DEMOLITION, PERFORM AIRFLOW TEST OF ALL EXISTING RETURN/EXHAUST AIR GRILLE. SUBMIT EXISTING AIR FLOW TEST REPORT AND EXISTING MECHANICAL DRAWING SHOWING AIRFLOW RATE, DUCT LAYOUT AND SIZE, GRILLE LAYOUT AND SIZE, FIRE DAMPER LOCATION AND SIZE.
3. PRIOR TO CONSTRUCTION, PERFORM DUCT CLEANING FOR ALL THE DUCT WORK WITHIN THE PROJECT WORKING AREA.

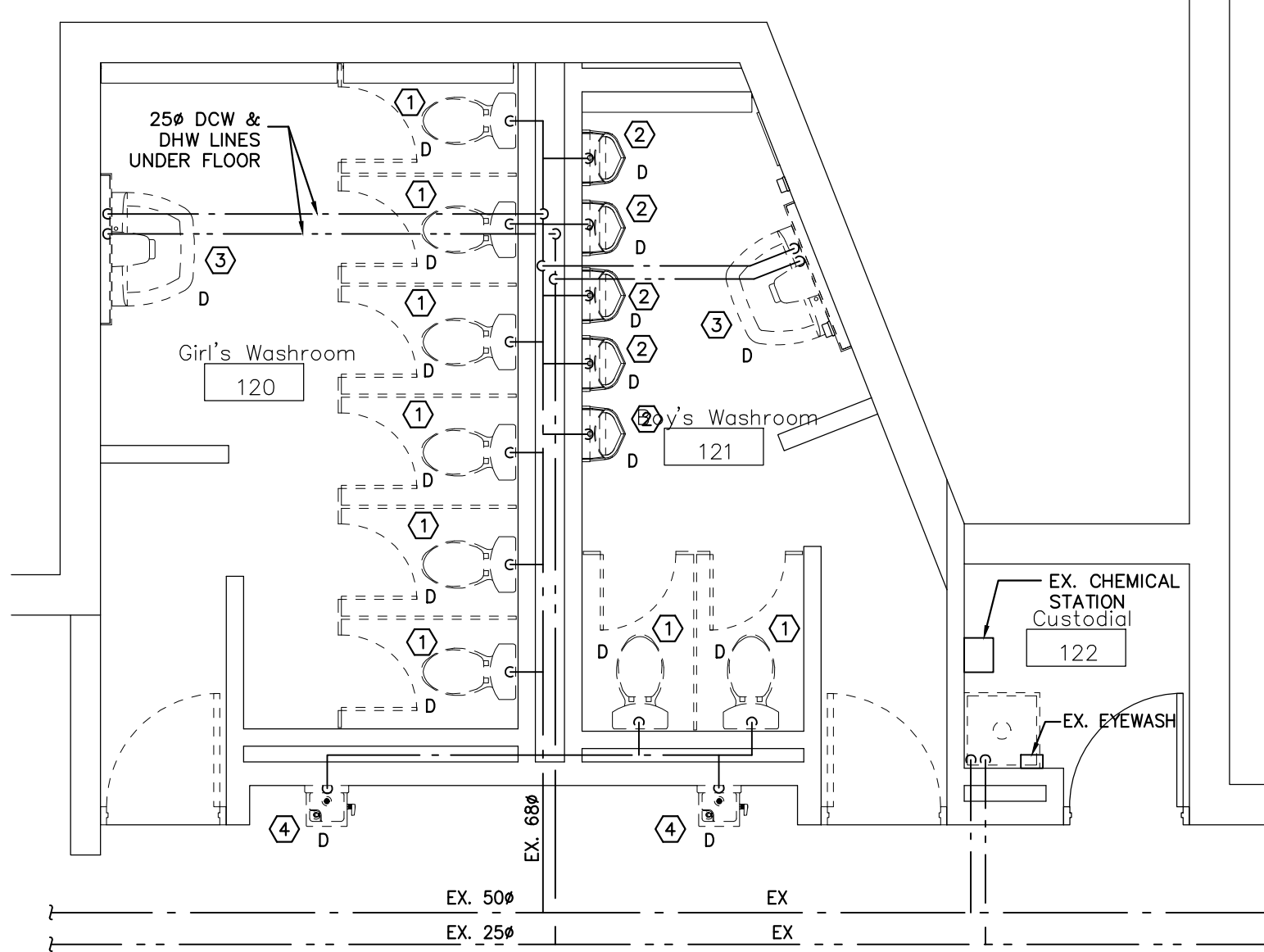
GENERAL NOTES:

1. ALL EXISTING MECHANICAL SERVICE TO REMAIN UNLESS INDICATED OTHERWISE.
2. CONTRACTOR TO EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS ON SITE.

DRAWING NOTES:

- ① PROVIDE AIRFLOW TEST FOR EXISTING WASHROOM/CUSTODIAL ROOM EXHAUST SYSTEM.
- ② EXISTING EXHAUST AIR GRILLE TO BE REMOVED. MODIFY/EXTEND EXISTING DUCTWORK FOR NEW GRILLE CONNECTION AS PER PROPOSED PLAN.
- ③ EXISTING HYDRONIC HEATER TO BE REMOVED. REMOVE/CAP ASSOCIATED UN-USED BRANCH PIPES.
- ④ EXISTING DOOR GRILLE TO BE REMOVED
- ⑤ EXISTING FIRE EXTINGUISHER TO REMAIN.
- ⑥ EXISTING FIRE HOSE CABINET TO REMAIN.
- ⑦ EXISTING HYDRONIC HEATER TO REMAIN. CONTRACTOR TO VERIFY EXISTENCE OF THE HEATER.

1
M02
EXISTING HVAC AND FIRE PROTECTION PLAN – RM 120&121&122
SCALE: 1:50



WATER PIPE VERIFY AND REPLACEMENT

1. EXAMINE AND REPLACE ALL EXISTING ABOVE GROUND DAMAGED DCW & DHW LINES AND VALVES WITHIN THE PROJECT WORKING AREA.
2. EXAMINE AND REPLACE ALL EXISTING DAMAGED VENTS WITHIN THE PROJECT WORKING AREA. MODIFY THE EXISTING VENTING SYSTEM TO SUIT NEW PROPOSED LAYOUT AND AS PER O.B.C REQUIREMENT.

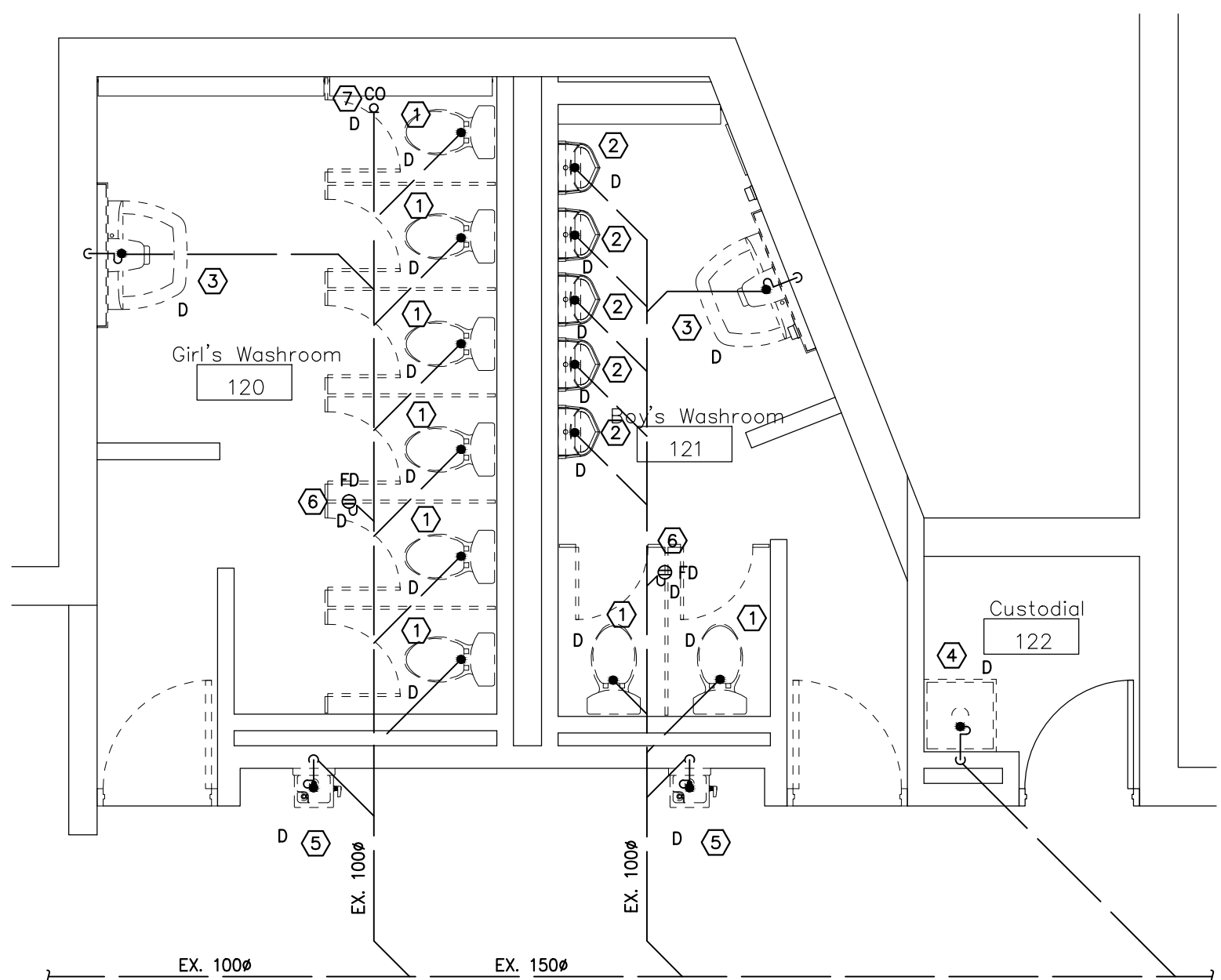
GENERAL NOTES:

1. ALL EXISTING MECHANICAL SERVICE TO REMAIN UNLESS INDICATED OTHERWISE.
2. LAYOUT AND SIZE OF EXISTING PIPING SHOWN ON DRAWING ARE BASED ON BASE BUILDING DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS, INVERTS ON SITE.
3. RELOCATE ALL EXISTING ACCESS PANELS WHERE AFFECTED BY THE WORK.
4. ALL REMOVED FLUSH VALVES AND WASHFOUNTAINS SHALL BE RETURNED TO OWNER.

DRAWING NOTES:

- ① EXISTING TOILET TO BE REMOVED. MODIFY/EXTEND EXISTING BRANCH PIPES FOR NEW TOILET CONNECTION.
- ② EXISTING URINAL TO BE REMOVED. MODIFY/EXTEND EXISTING BRANCH PIPES FOR NEW URINAL CONNECTION.
- ③ EXISTING WASH FOUNTAIN TO BE REMOVED. MODIFY/EXTEND EXISTING BRANCH PIPES FOR NEW WASH FOUNTAIN CONNECTION.
- ④ EXISTING DRINKING FOUNTAIN TO BE REMOVED. MODIFY/EXTEND EXISTING BRANCH PIPES FOR NEW URINAL CONNECTION.

2
M02
EXISTING PLUMBING PLAN – RM 120&121&122
SCALE: 1:50



DRAINAGE SYSTEM TEST

1. PRIOR TO CONSTRUCTION, PERFORM EXISTING BURIED DRAINAGE LINE CAMERA TEST AND SUBMIT VIDEO & WRITTEN REPORT.
2. PERFORM UNDERGROUND DRAINAGE LINE CLEANING AND REPLACE ALL THE DAMAGED PIPES IF REQUIRED.
3. EXAMINE AND REPLACE ALL EXISTING DAMAGED VENTS WITHIN THE PROJECT WORKING AREA. MODIFY THE EXISTING VENTING SYSTEM TO SUIT NEW PROPOSED LAYOUT AND AS PER O.B.C REQUIREMENT.

GENERAL NOTES:

1. ALL EXISTING MECHANICAL SERVICE TO REMAIN UNLESS INDICATED OTHERWISE.
2. LAYOUT AND SIZE OF EXISTING PIPING SHOWN ON DRAWING ARE BASED ON BASE BUILDING DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS, INVERTS ON SITE.
3. RELOCATE ALL EXISTING ACCESS PANELS WHERE AFFECTED BY THE WORK.
4. ALL REMOVED FLUSH VALVES AND WASHFOUNTAINS SHALL BE RETURNED TO OWNER.

DRAWING NOTES:

- ① EXISTING TOILET TO BE REMOVED. MODIFY/EXTEND EXISTING SAN. BRANCH PIPES FOR NEW TOILET CONNECTION.
- ② EXISTING URINAL TO BE REMOVED. MODIFY/EXTEND EXISTING SAN. BRANCH PIPES FOR NEW URINAL CONNECTION.
- ③ EXISTING WASH FOUNTAIN TO BE REMOVED. MODIFY/EXTEND EXISTING SAN. BRANCH PIPES FOR NEW WASH FOUNTAIN CONNECTION.
- ④ EXISTING MOP SINK TO BE REMOVED. MODIFY/EXTEND EXISTING SAN. BRANCH PIPES FOR NEW WASH FOUNTAIN CONNECTION.
- ⑤ EXISTING DRINKING FOUNTAIN TO BE REMOVED. REMOVE AND CAP ASSOCIATED DRAINAGE.
- ⑥ EXISTING FLOOR DRAIN TO BE REMOVED AND REPLACED WITH NEW.
- ⑦ EXISTING CLEANOUT TO BE REMOVED AND REPLACED WITH NEW.

3
M02
EXISTING DRAINAGE PLAN – RM 120&121&122
SCALE: 1:50

Trillium Lakelands
District School Board
Parkview PS
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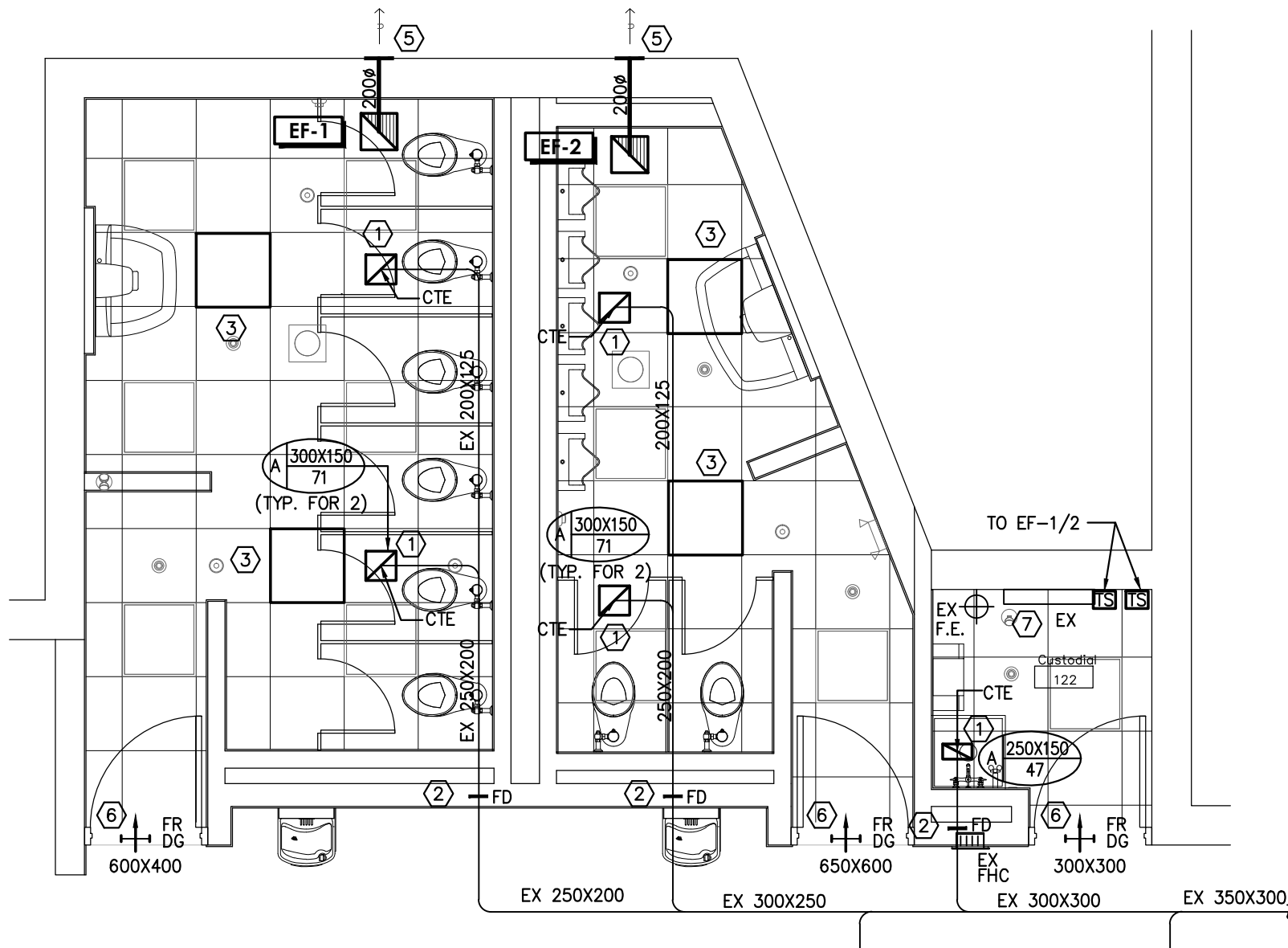
PROPOSED MECHANICAL
PLAN – RM 120&121
&122

AS SHOWN

Scale

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M03



1
M03
PROPOSED HVAC AND FIRE PROTECTION PLAN – RM 120&121&122
SCALE: 1:50

AIRFLOW TEST

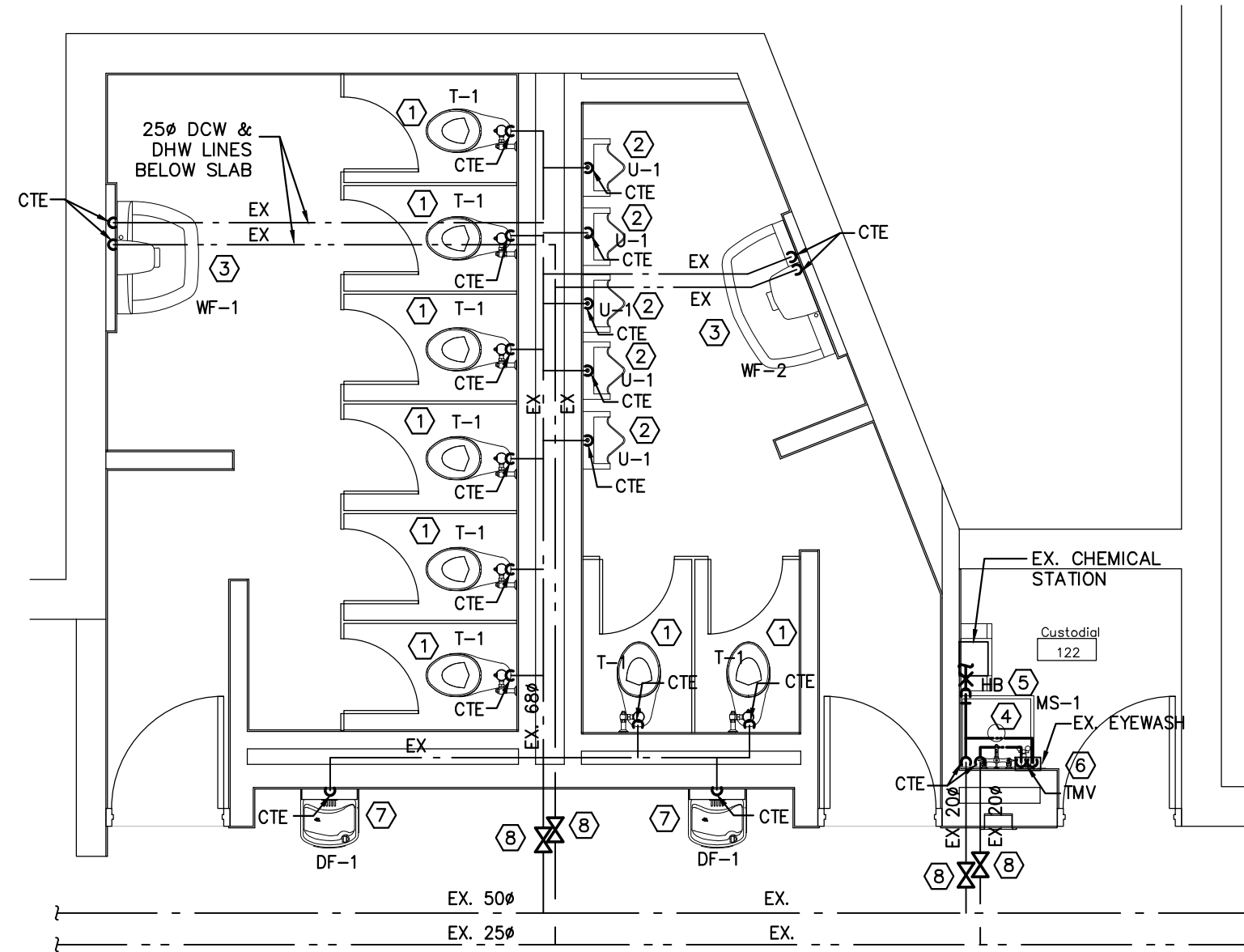
1. ALL EXISTING AIRFLOW RATE AND DUCT SIZE INDICATED ON THIS DRAWING BASED ON BASE BLDG. MECHANICAL SYSTEM DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY EXACT LAYOUTS AND SIZES ON SITE.
2. WITHIN WORKING AREA, PRIOR TO DEMOLITION, PERFORM AIRFLOW TEST OF ALL EXISTING RETURN/EXHAUST AIR GRILLE. SUBMIT EXISTING AIR FLOW TEST REPORT AND EXISTING MECHANICAL DRAWING SHOWING AIRFLOW RATE, DUCT LAYOUT AND SIZE, GRILLE LAYOUT AND SIZE, FIRE DAMPER LOCATION AND SIZE.
3. RE-BALANCE AIRFLOW RATE AS NOTED ON DRAWING. REPLACE EXISTING DAMAGED DUCTWORK WHEN REQUIRED. EXISTING AIRFLOW SERVING OTHER AREAS TO REMAIN. SUBMIT AIR BALANCE REPORT WITH DRAWING.

GENERAL NOTES:

1. ALL EQUIPMENTS SHOWN ON THIS DRAWING SHALL BE NEW UNLESS OTHERWISE NOTED.
2. COORDINATE ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF GRILLES AND DIFFUSERS.
3. CONTRACTOR TO VERIFY EXISTING FIRE DAMPER LOCATIONS WITHIN SCOPE AREA. PROVIDE FIRE DAMPERS ON EXISTING DUCTS WHERE DUCTS PENETRATE FIRE SEPARATIONS WHEN REQUIRED.

DRAWING NOTES:

- 1 PROVIDE NEW GRILLE AND BRANCH DUCT CONNECTED TO EXISTING. RE-BALANCE AIRFLOW TO L/S AS INDICATED ON DRAWING. PROVIDE NEW BALANCE DAMPER IF REQUIRED.
- 2 PROVIDE FIRE DAMPER AT FIRE-RATED SEPARATION.
- 3 NEW 0.375KW 600X600 CEILING RECESSED RADIANT PANEL C/W ASSOCIATED CONTROLS BY ELEC. DIVISION.
- 4 RESERVED.
- 5 300X200 WEATHERPROOF E/A LOUVER, C/W BACKDRAFT DAMPER & VERMIN PROOF MESH.
- 6 PROVIDE NEW FIRE RATED DOOR GRILLE C/W UL LISTED FUSIBLE LINK AT LOW LEVEL MODEL AIR LOUVERS 1900A OR APPROVED EQUAL. SIZE AS NOTED ON DRAWING. ALUMINUM FINISH.
- 7 EXISTING HYDRONIC HEATER TO REMAIN. CONTRACTOR TO VERIFY EXISTENCE OF THE HEATER.



3
M02
PROPOSED PLUMBING PLAN – RM 120&121&122
SCALE: 1:50

WATER PIPE VERIFY AND REPLACEMENT

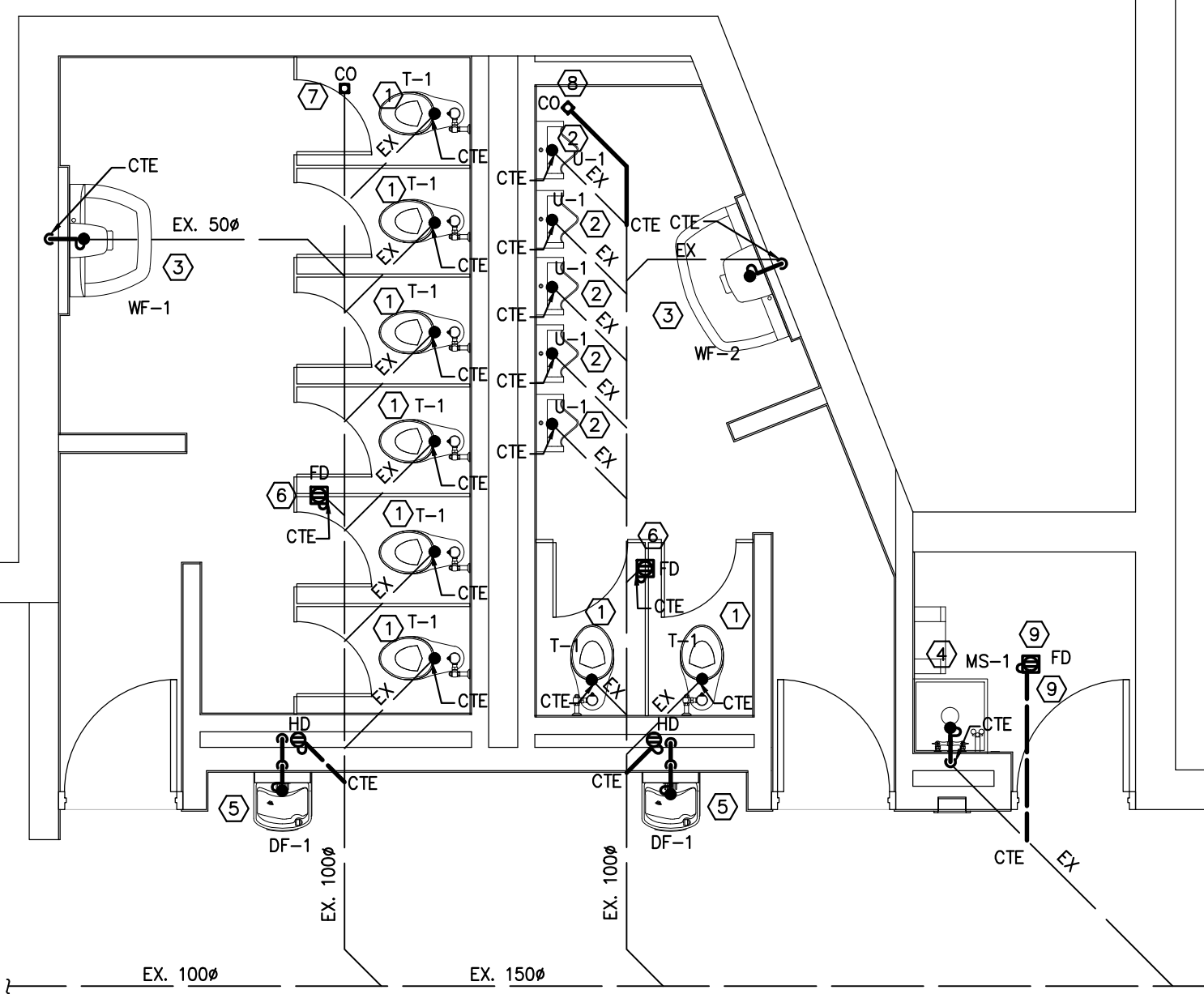
1. EXAMINE AND REPLACE ALL EXISTING ABOVE GROUND DAMAGED C/W & H/W LINES AND VALVES WITHIN THE PROJECT WORKING AREA.
2. EXAMINE AND REPLACE ALL EXISTING DAMAGED VENTS WITHIN THE PROJECT WORKING AREA. MODIFY THE EXISTING VENTING SYSTEM TO SUIT NEW PROPOSED LAYOUT AND AS PER O.B.C. REQUIREMENT.

GENERAL NOTES:

1. ALL EQUIPMENTS SHOWN ON THIS DRAWING SHALL BE NEW UNLESS OTHERWISE NOTED.
2. ALL DOMESTIC COLD WATER AND DOMESTIC HOT WATER PIPES SHALL BE MINIMUM 200 UNLESS INDICATED OTHERWISE.
3. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE AND CONDITION OF EXISTING WATER SUPPLY PIPING SERVING SCOPE AREA ON SITE FOR NEW CONNECTION.
4. READ IN CONJUNCTION WITH ARCHITECTURAL PLANS FOR PLUMBING FIXTURES INSTALLATION.
5. DOCUMENT ALL THE ACCESS PANELS LOCATIONS ON AS-BUILT DRAWINGS.
6. PERFORM STRUCTURAL COORDINATION FOR MASONRY MODIFICATIONS. REFER TO STRUCTURAL DETAILS FOR MODIFYING OR TRENCHING THE BLOCK WALLS TO RUN NEW CONCEALED SERVICES.
7. PROVIDE ISOLATING BALL VALVES ON MAIN AND/OR BRANCH LINES AND FOR ALL EQUIPMENT SERVED WITH HOT AND COLD WATER LINES. ALL VALVES SHALL BE SUITABLE FOR THE OPERATING PRESSURE OF THE SYSTEM IN WHICH THEY ARE INSTALLED.
8. PROVIDE INSULATION FOR ALL COLD & HOT WATER PIPING.
9. FOR ALL PLUMBING CONNECTIONS TO EXISTING SYSTEM INVOLVING MASONRY MODIFICATIONS, COORDINATE AND REFER TO STRUCTURAL DETAILS.

DRAWING NOTES:

- 1 PROVIDE NEW TOILET 'T-1', MODIFY EXISTING WATER SUPPLY LINE FOR NEW CONNECTION WHEN REQUIRED.
- 2 PROVIDE NEW URINAL 'U-1', MODIFY EXISTING WATER SUPPLY LINE FOR NEW CONNECTION WHEN REQUIRED. REFER ARCH. DRAWING FOR EXACT INSTALLATION LOCATION AND MOUNTING HEIGHT. LOCATE ASSOCIATED WALL ACCESS COVER PLATE ABOVE URINAL DIRECTLY NEXT TO THE WATER SUPPLY OUTLET FROM THE WALL.
- 3 PROVIDE NEW WASH FOUNTAIN 'WF-1', MODIFY EXISTING WATER SUPPLY LINES FOR NEW CONNECTION WHEN REQUIRED.
- 4 PROVIDE NEW MOP SINK 'MS-1', MODIFY EXISTING WATER SUPPLY LINES FOR NEW CONNECTION WHEN REQUIRED.
- 5 PROVIDE 120 DCW LINE C/W CHECK VALVE AND SHUT-OFF VALVE ASSEMBLY TO NEW HOSE BIBB 'HB', RE-CONNECTED TO EXISTING CHEMICAL SYSTEM.
- 6 PROVIDE NEW THERMOSTATIC MIXING VALVE 'TMV' FOR EXISTING EYEWASH. CONNECT 120 DCW & 120 DHW LINES C/W CHECK VALVE AND SHUT-OFF VALVE ASSEMBLIES FOR THE WATER SUPPLY.
- 7 PROVIDE NEW DRINKING FOUNTAIN 'DF-1' REPLACE EXISTING. MODIFY EXISTING WATER SUPPLY LINE FOR NEW CONNECTION WHEN REQUIRED. REFER TO ARCH. DWG FOR EXACT MOUNTING HEIGHT.
- 8 PROVIDE NEW SHUT-OFF VALVE IF EXISTING VALVE IS DAMAGED/MISSING. CONTRACTOR TO VERIFY EXACT CONDITION ON SITE.



3
M03
PROPOSED DRAINAGE PLAN – RM 120&121&122
SCALE: 1:50

DRAINAGE SYSTEM TEST

1. PRIOR TO CONSTRUCTION, PERFORM EXISTING BURIED DRAINAGE LINE CAMERA TEST AND SUBMIT VIDEO & WRITTEN REPORT.
2. PERFORM UNDERGROUND DRAINAGE LINE CLEANING AND REPLACE ALL THE DAMAGED PIPES IF REQUIRED.
3. EXAMINE AND REPLACE ALL EXISTING DAMAGED VENTS WITHIN THE PROJECT WORKING AREA. MODIFY THE EXISTING VENTING SYSTEM TO SUIT NEW PROPOSED LAYOUT AND AS PER O.B.C. REQUIREMENT.

GENERAL NOTES:

1. ALL EQUIPMENTS SHOWN ON THIS DRAWING SHALL BE NEW UNLESS OTHERWISE NOTED.
2. READ IN CONJUNCTION WITH ARCHITECTURAL PLANS FOR PLUMBING FIXTURES INSTALLATION.
3. DOCUMENT ALL THE ACCESS PANELS LOCATIONS ON AS-BUILT DRAWINGS.
4. PERFORM STRUCTURAL COORDINATION FOR MASONRY MODIFICATIONS. REFER TO STRUCTURAL DETAILS FOR MODIFYING OR TRENCHING THE BLOCK WALLS TO RUN NEW CONCEALED SERVICES.
5. FOR ALL PLUMBING CONNECTIONS TO EXISTING SYSTEM INVOLVING MASONRY MODIFICATIONS, COORDINATE AND REFER TO STRUCTURAL DETAILS.
6. PROVIDE COMPLETE SANITARY VENT CONNECTION TO EXISTING VENT PIPES COMPLY WITH OBC REQUIREMENT.
7. ALL SANITARY DRAINAGE BELOW GRADE SHALL BE MINIMUM 750 UNLESS INDICATED OTHERWISE.
8. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE & INVERT OF SAN. LINES SERVING THE SCOPE AREA ON SITE FOR NEW CONNECTION.
9. ALL NEW FLOOR DRAINS SHALL BE COMPLETE WITH TRAPS AND TRAP PRIMERS. CONTRACTOR TO VERIFY EXISTING TRAP PRIMER WHEN FLOOR DRAIN IS REPLACED. PROVIDE NEW TRAP PRIMER WHEN REQUIRED.
10. PROVIDE NECESSARY DRAINAGE PIPE REPLACEMENT/MODIFICATION/EXTENSION FOR NEW PLUMBING FIXTURE RECONNECTION.
11. CONNECTION WORK FOR NEW PLUMBING FIXTURE DRAINAGE TO EXISTING SANITARY LINE INCLUDES TRENCHING EXCAVATION AND REPAIRING THE EXISTING FLOOR.

DRAWING NOTES:

- 1 PROVIDE NEW TOILET 'T-1', MODIFY EXISTING BRANCH SAN. LINE FOR NEW CONNECTION WHEN REQUIRED.
- 2 PROVIDE NEW URINAL 'U-1', MODIFY EXISTING BRANCH SAN. LINE FOR NEW CONNECTION WHEN REQUIRED. REFER ARCH. DRAWING FOR EXACT INSTALLATION LOCATION AND MOUNTING HEIGHT. LOCATE ASSOCIATED WALL ACCESS COVER PLATE ABOVE URINAL DIRECTLY NEXT TO THE WATER SUPPLY OUTLET FROM THE WALL.
- 3 PROVIDE NEW WASH FOUNTAIN 'WF-1', MODIFY EXISTING BRANCH SAN. LINE FOR NEW CONNECTION WHEN REQUIRED.
- 4 PROVIDE NEW MOP SINK 'MS-1', MODIFY EXISTING BRANCH SAN. LINE FOR NEW CONNECTION WHEN REQUIRED.
- 5 PROVIDE NEW DRINKING FOUNTAIN 'DF-1' AND NEW INDIRECT HUB DRAIN 'HD' CONNECTION TO EXISTING SAN. BRANCH. PROVIDE NEW SAN. PIPES TO REPLACE EXISTING IF REQUIRED. REFER TO ARCH. DWG FOR EXACT MOUNTING HEIGHT.
- 6 PROVIDE NEW FLOOR DRAIN 'FD'.
- 7 PROVIDE NEW FLOOR CLEANOUT 'CO' TO REPLACE EXISTING.
- 8 PROVIDE NEW FLOOR CLEANOUT 'CO'.

Trillium Lakelands
District School Board
Parkview PS
Washroom
Renovation

WO# 041703

133 Adelaide St N,
Lindsay, ON K9V 4M2

Seal



DATE: 2021-04
PROJECT NO: 20065-B5
DRAWN: MT
CHECKED: ML

Revisions
1. ISSUED FOR REVIEW 2021-03-05
2. ISSUED FOR PERMIT&TENDER 2021-04-19

Title

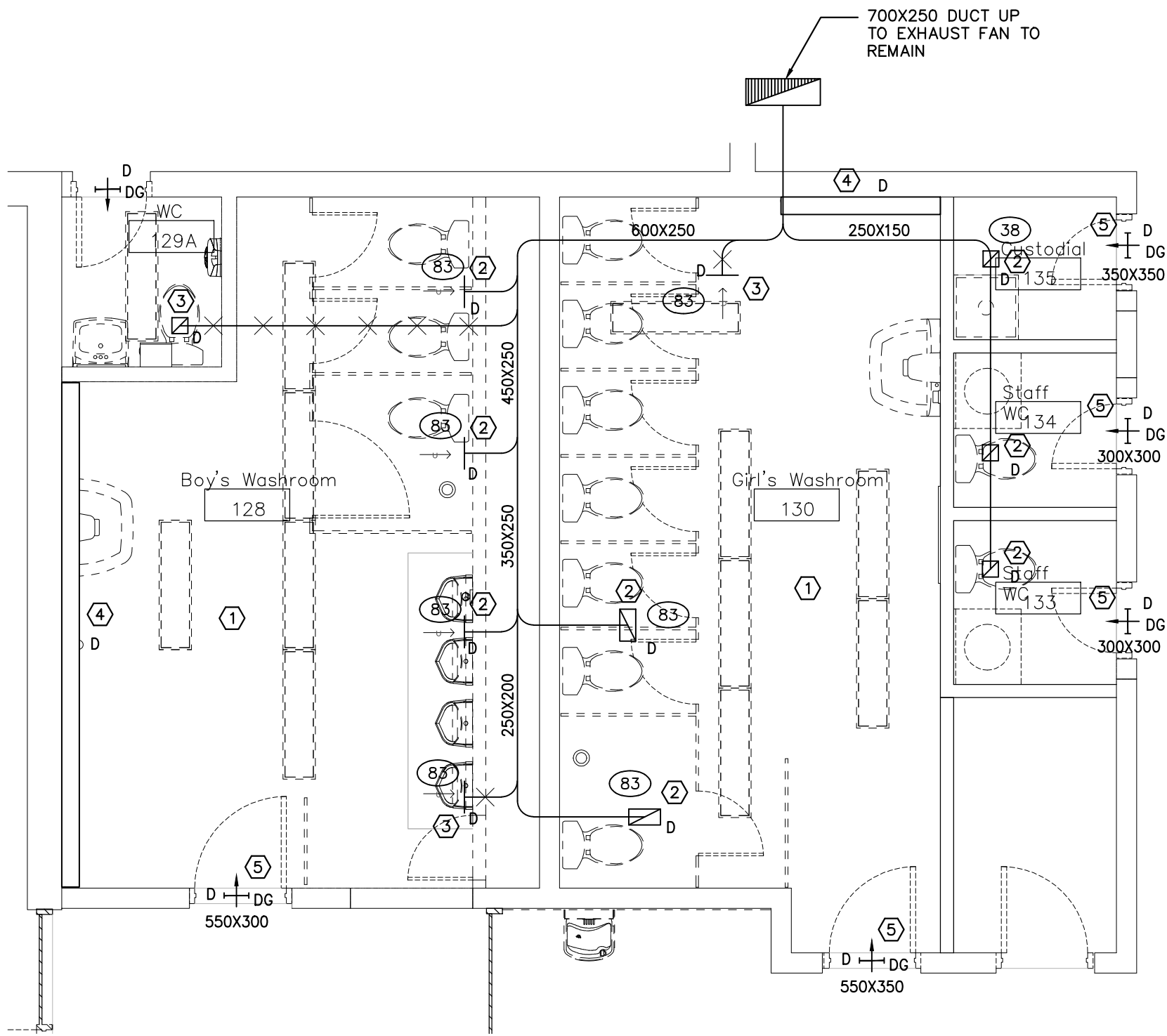
EXISTING MECHANICAL
PLAN – RM 128&129A
&130&133&134&135

Scale

AS SHOWN

Sheet

M04



1
M04
EXISTING HVAC PLAN – RM 128&129A&130&133&134&135
SCALE: 1:50

AIRFLOW TEST

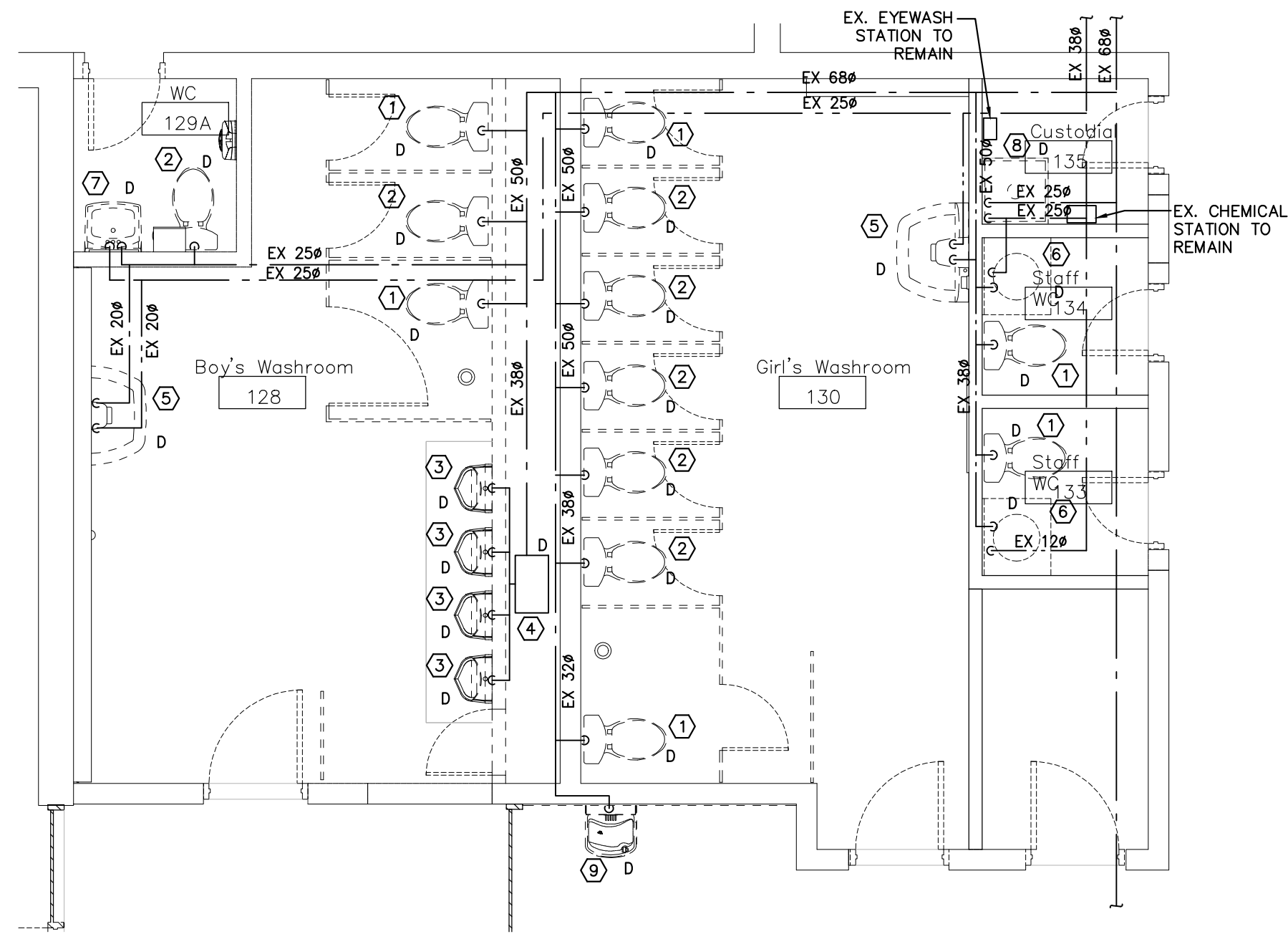
1. ALL EXISTING AIRFLOW RATE AND DUCT SIZE INDICATED ON THIS DRAWING BASED ON BASE BLDG. MECHANICAL SYSTEM DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY EXACT LAYOUTS AND SIZES ON SITE.
2. WITHIN WORKING AREA, PRIOR TO DEMOLITION, PERFORM AIRFLOW TEST OF ALL EXISTING RETURN/EXHAUST AIR GRILLE. SUBMIT EXISTING AIR FLOW TEST REPORT AND EXISTING MECHANICAL DRAWING SHOWING AIRFLOW RATE, DUCT LAYOUT AND SIZE, GRILLE LAYOUT AND SIZE, FIRE DAMPER LOCATION AND SIZE.
3. PRIOR TO CONSTRUCTION, PERFORM DUCT CLEANING FOR ALL THE DUCT WORK WITHIN THE PROJECT WORKING AREA.

GENERAL NOTES:

1. ALL EXISTING MECHANICAL SERVICE TO REMAIN UNLESS INDICATED OTHERWISE.
2. CONTRACTOR TO EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS ON SITE.

DRAWING NOTES:

1. PROVIDE AIRFLOW TEST FOR EXISTING WASHROOM/CUSTODIAL ROOM EXHAUST SYSTEM.
2. EXISTING EXHAUST AIR GRILLE TO BE REMOVED. MODIFY/EXTEND EXISTING DUCTWORK FOR NEW GRILLE CONNECTION AS PER PROPOSED PLAN.
3. EXISTING EXHAUST AIR GRILLE TO BE REMOVED. REMOVE AND CAP ASSOCIATED DUCT.
4. EXISTING HYDRONIC HEATER TO BE REMOVED. REMOVE/CAP ASSOCIATED UN-USED BRANCH PIPES.
5. EXISTING DOOR GRILLE TO BE REMOVED.



2
M04
EXISTING PLUMBING PLAN – RM 128&129A&130&133&134&135
SCALE: 1:50

WATER PIPE VERIFY AND REPLACEMENT

1. EXAMINE AND REPLACE ALL EXISTING ABOVE GROUND DAMAGED DCW & DHW LINES AND VALVES WITHIN THE PROJECT WORKING AREA.
2. EXAMINE AND REPLACE ALL EXISTING DAMAGED VENTS WITHIN THE PROJECT WORKING AREA. MODIFY THE EXISTING VENTING SYSTEM TO SUIT NEW PROPOSED LAYOUT AND AS PER O.B.C REQUIREMENT.

GENERAL NOTES:

1. ALL EXISTING MECHANICAL SERVICE TO REMAIN UNLESS INDICATED OTHERWISE.
2. LAYOUT AND SIZE OF EXISTING PIPING SHOWN ON DRAWING ARE BASED ON BASE BUILDING DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS, INVERTS ON SITE.
3. RELOCATE ALL EXISTING ACCESS PANELS WHERE AFFECTED BY THE WORK.
4. ALL REMOVED FLUSH VALVES AND WASHFOUNTAINS SHALL BE RETURNED TO OWNER.

DRAWING NOTES:

1. EXISTING TOILET TO BE REMOVED. MODIFY/EXTEND EXISTING BRANCH PIPES FOR NEW TOILET CONNECTION.
2. EXISTING TOILET TO BE REMOVED. REMOVE AND CAP ASSOCIATED BRANCH PIPES IN WALL/CEILING OR UNDER SLAB.
3. EXISTING URINAL TO BE REMOVED. REMOVE AND CAP ASSOCIATED BRANCH PIPE IN WALL/CEILING OR UNDER SLAB.
4. EXISTING URINAL TANK TO BE REMOVED. REMOVE AND CAP ASSOCIATED DCW PIPE.
5. EXISTING WASH FOUNTAIN TO BE REMOVED. MODIFY/EXTEND EXISTING BRANCH PIPES FOR NEW WASH FOUNTAIN CONNECTION.
6. EXISTING LAVATORY TO BE REMOVED. MODIFY/EXTEND EXISTING BRANCH PIPES FOR NEW WASH FOUNTAIN CONNECTION.
7. EXISTING LAVATORY TO BE REMOVED. REMOVE AND CAP ASSOCIATED BRANCH PIPES IN WALL/CEILING OR UNDER SLAB.
8. EXISTING MOP SINK TO BE REMOVED. MODIFY/EXTEND EXISTING BRANCH PIPES FOR NEW WASH FOUNTAIN CONNECTION.
9. EXISTING DRINKING FOUNTAIN TO BE REMOVED. REMOVE AND CAP EXISTING BRANCH PIPES IN WALL/CEILING OR UNDERSLAB.

DRAINAGE SYSTEM TEST

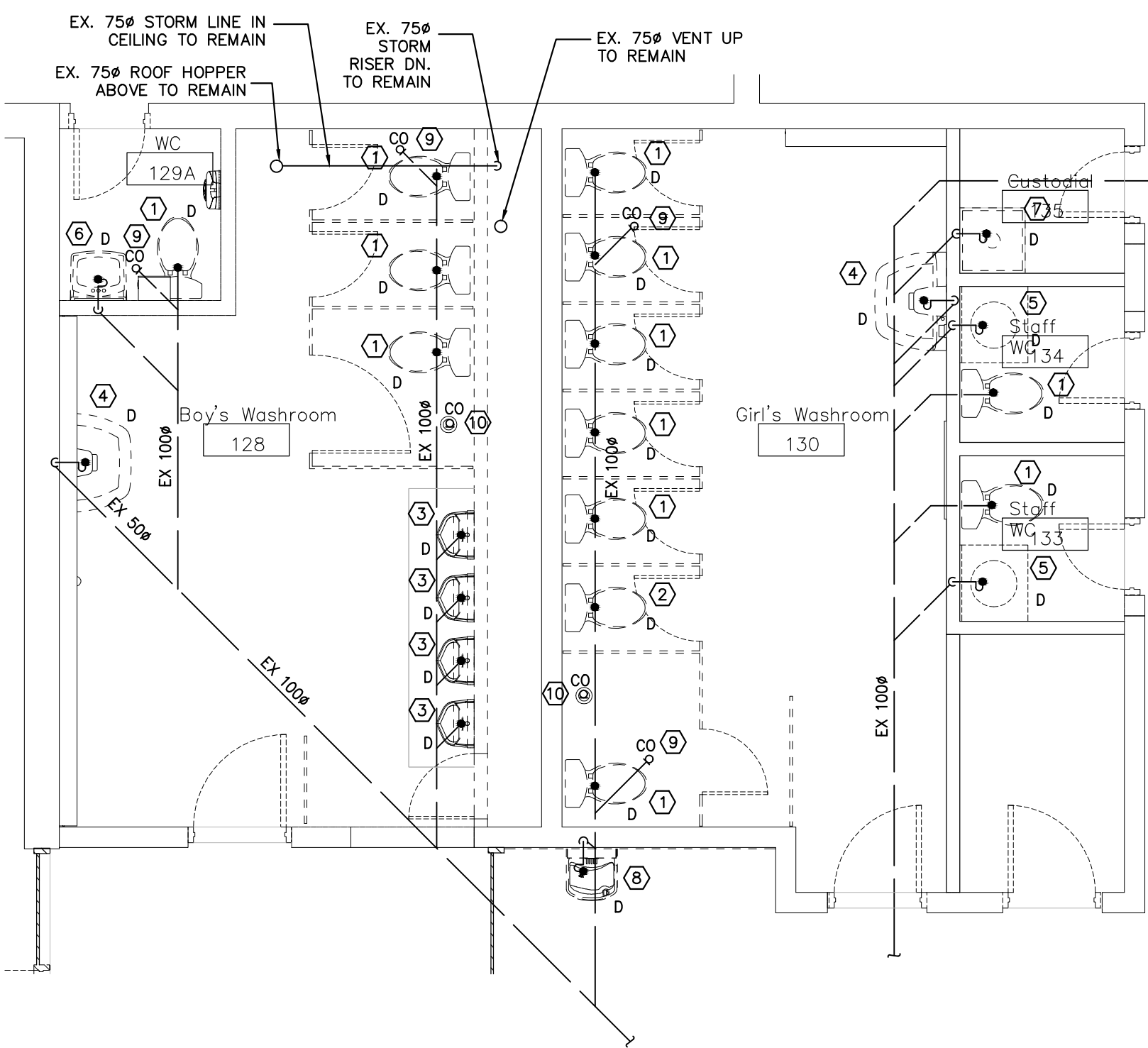
1. PRIOR TO CONSTRUCTION, PERFORM EXISTING BURIED DRAINAGE LINE CAMERA TEST AND SUBMIT VIDEO & WRITTEN REPORT.
2. PERFORM UNDERGROUND DRAINAGE LINE CLEANING AND REPLACE ALL THE DAMAGED PIPES IF REQUIRED.
3. EXAMINE AND REPLACE ALL EXISTING DAMAGED VENTS WITHIN THE PROJECT WORKING AREA. MODIFY THE EXISTING VENTING SYSTEM TO SUIT NEW PROPOSED LAYOUT AND AS PER O.B.C REQUIREMENT.

GENERAL NOTES:

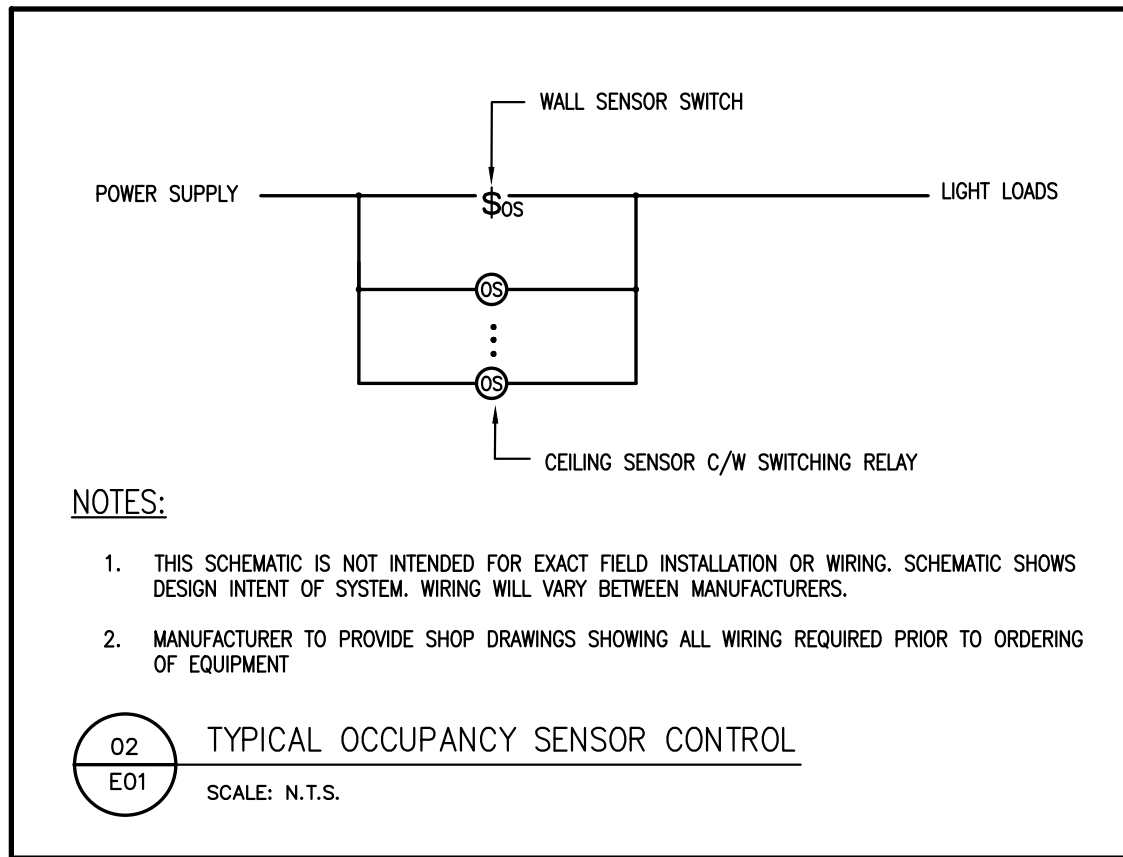
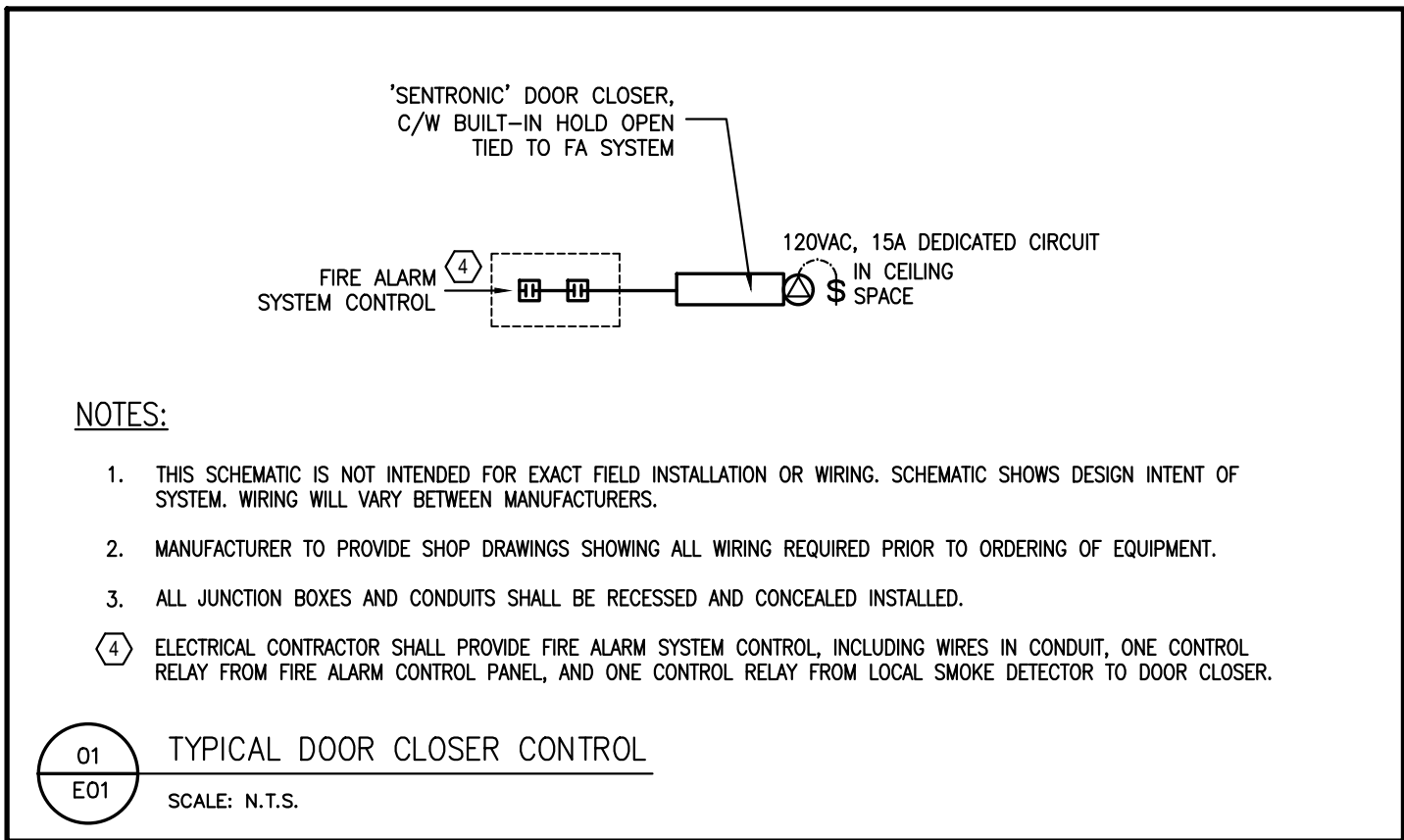
1. ALL EXISTING MECHANICAL SERVICE TO REMAIN UNLESS INDICATED OTHERWISE.
2. LAYOUT AND SIZE OF EXISTING PIPING SHOWN ON DRAWING ARE BASED ON BASE BUILDING DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS, INVERTS ON SITE.
3. RELOCATE ALL EXISTING ACCESS PANELS WHERE AFFECTED BY THE WORK.
4. ALL REMOVED FLUSH VALVES AND WASHFOUNTAINS SHALL BE RETURNED TO OWNER.

DRAWING NOTES:

1. EXISTING TOILET TO BE REMOVED. MODIFY/EXTEND EXISTING SAN. BRANCH PIPES FOR NEW TOILET CONNECTION.
2. EXISTING TOILET TO BE REMOVED. REMOVE AND CAP EXISTING SAN. BRANCH PIPES IN WALL OR UNDER SLAB.
3. EXISTING URINAL TO BE REMOVED. REMOVE AND CAP EXISTING SAN. BRANCH PIPES IN WALL OR UNDER SLAB.
4. EXISTING WASH FOUNTAIN TO BE REMOVED. MODIFY/EXTEND EXISTING SAN. BRANCH PIPES FOR NEW WASH FOUNTAIN CONNECTION.
5. EXISTING LAVATORY TO BE REMOVED. MODIFY/EXTEND EXISTING SAN. BRANCH PIPES FOR NEW LAVATORY CONNECTION.
6. EXISTING LAVATORY TO BE REMOVED. REMOVE AND CA ASSOCIATED SAN. BRANCH PIPES IN WALL OR UNDER SLAB.
7. EXISTING MOP SINK TO BE REMOVED. MODIFY/EXTEND EXISTING SAN. BRANCH PIPES FOR NEW WASH FOUNTAIN CONNECTION.
8. EXISTING DRINKING FOUNTAIN TO BE REMOVED. REMOVE AND CAP EXISTING SAN. BRANCH PIPES IN WALL OR UNDER SLAB.
9. EXISTING CLEANOUT TO BE REMOVED AND REPLACED WITH NEW.
10. EXISTING ABANDONED CLEANOUT. CONTRACTOR TO VERIFY CONDITION AND CONNECTION ON SITE. REMOVED AND CAP ASSOCIATED BRANCH PIPES UNDER SLAB WHEN REQUIRED.



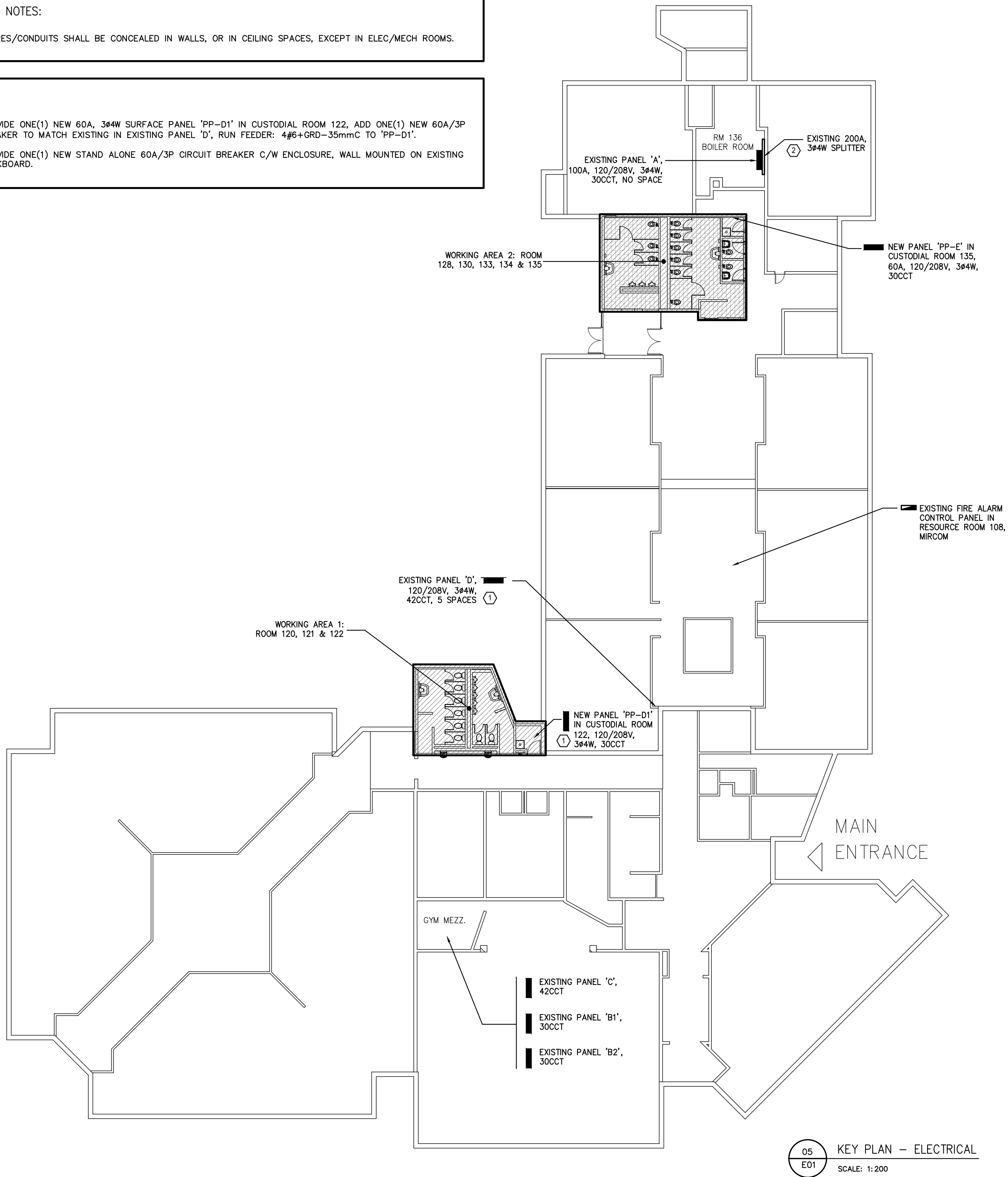
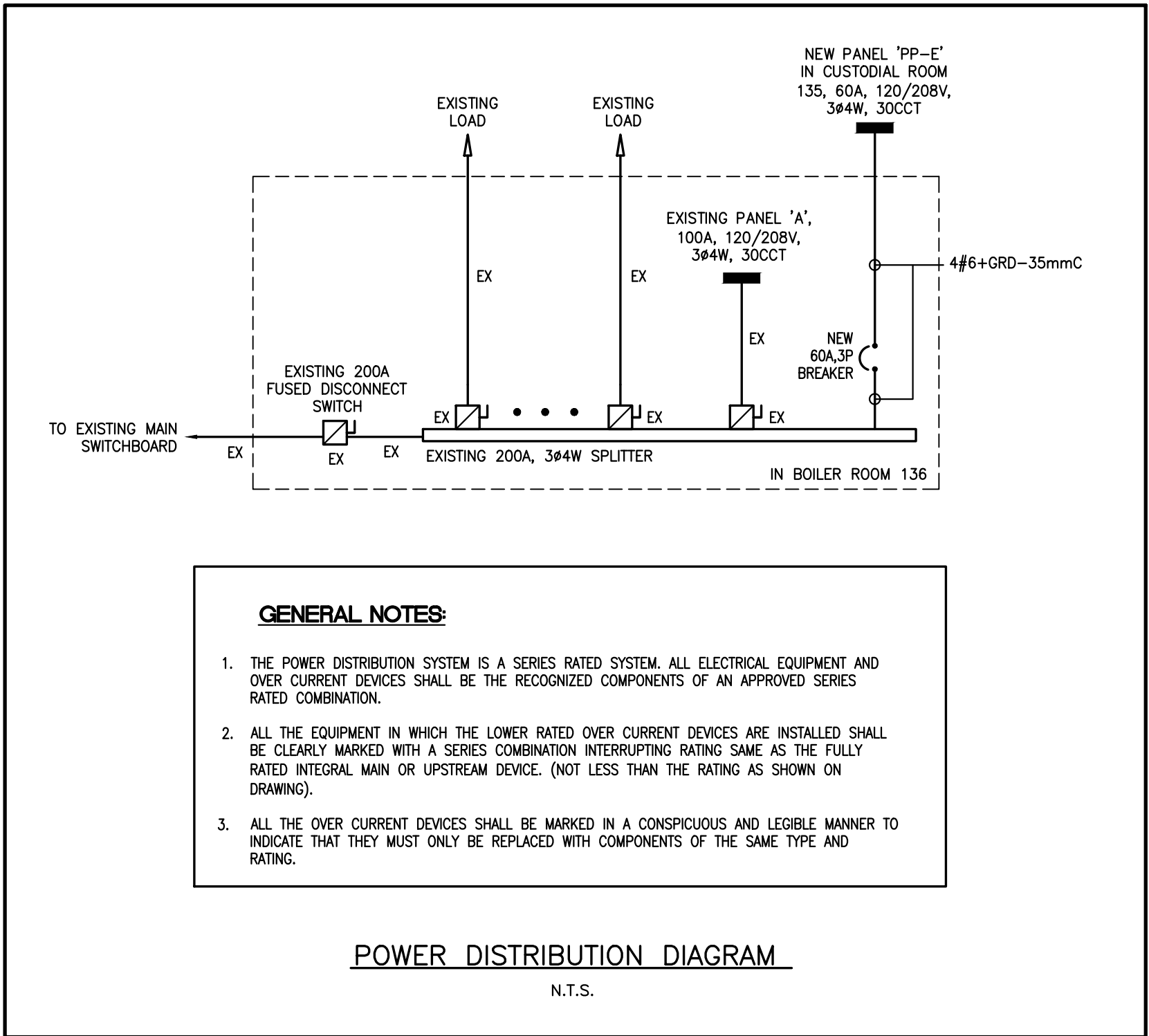
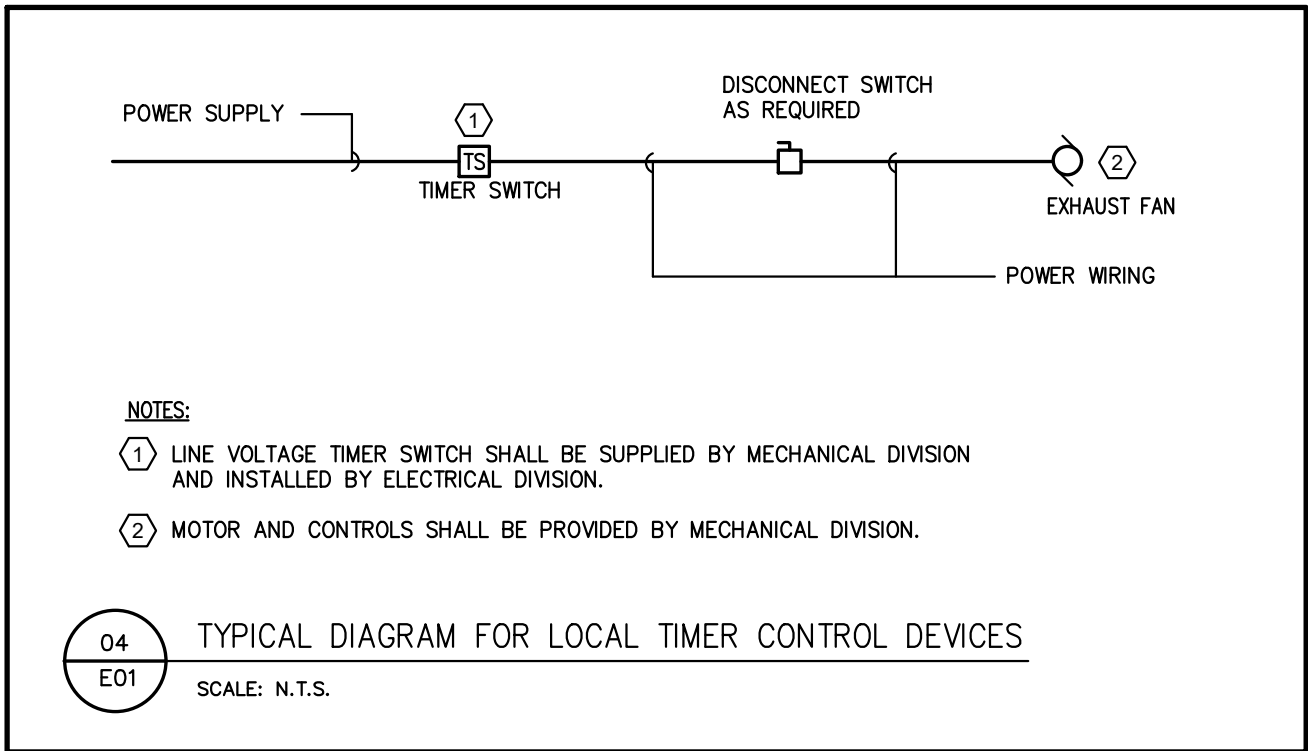
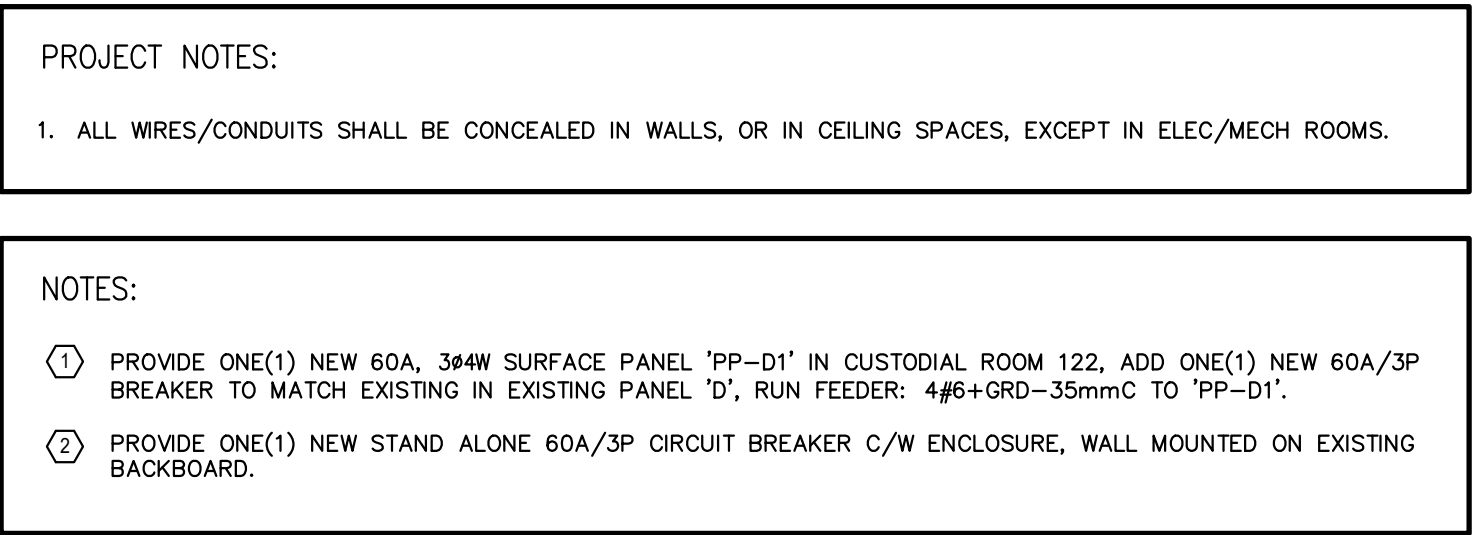
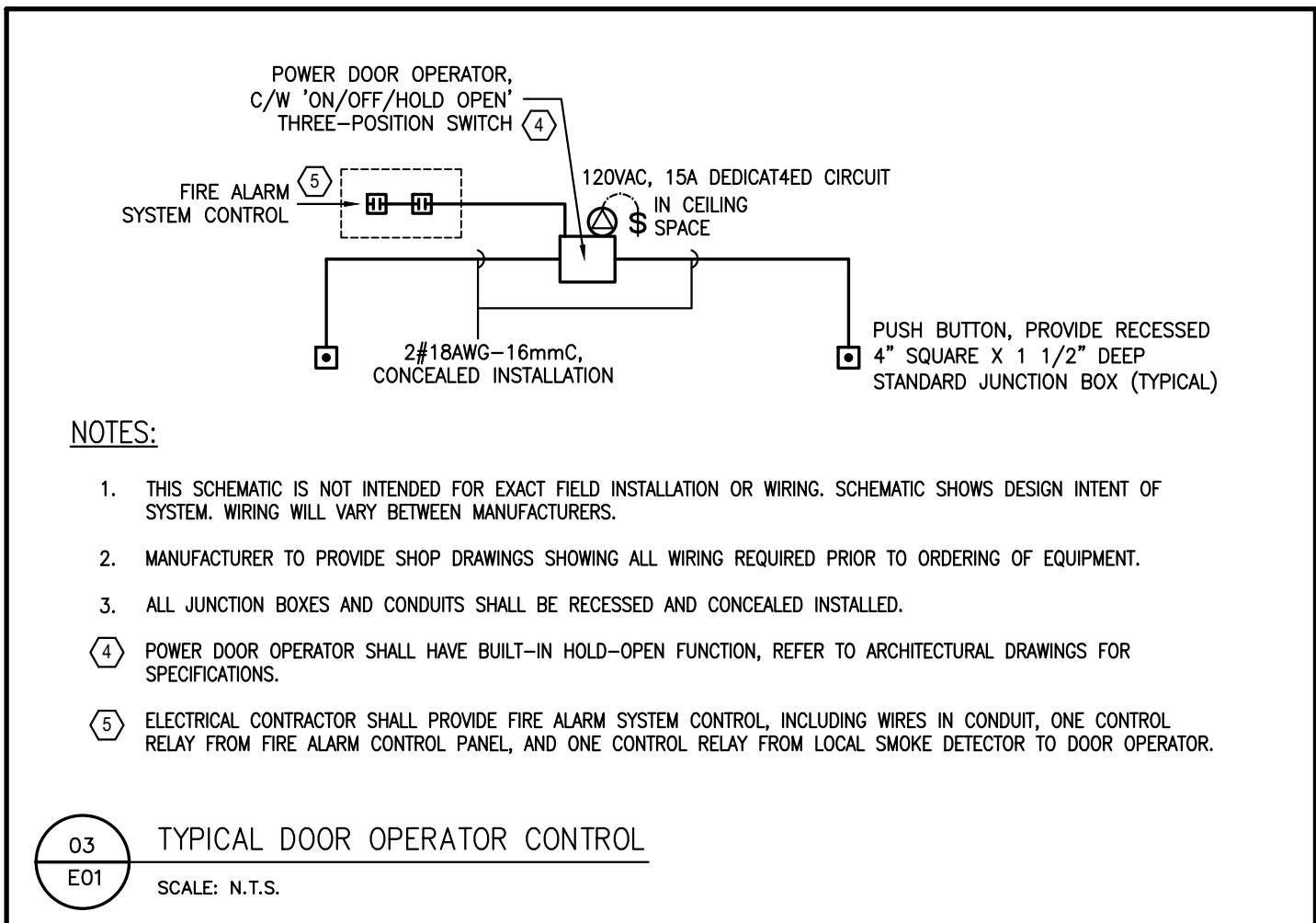
3
M04
EXISTING DRAINAGE PLAN – RM 128&129A&130&133&134&135
SCALE: 1:50



LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	LAMP	BALLAST	REMARKS
F1	2' x 2' BACKLIT CEILING RECESSED PANEL WITH ALUMINUM FRAME AND PMMA LENS, WHITE FINISH. FIXTURE "F1" INDICATES C/W ONE HOUR FIRE RATED ENCLOSURE. APPLICATION: WASHROOMS	30W, LED LAMP, 4000K 3025LM	120V ELECTRONIC LED DRIVER	RAB DESIGN #CPL22-LED30 SERIES OR APPROVED EQUAL
F2	1' x 4' BACKLIT CEILING RECESSED PANEL WITH ALUMINUM FRAME AND PMMA LENS, WHITE FINISH. APPLICATION: WASHROOMS	30W, LED LAMP, 4000K 3025LM	120V ELECTRONIC LED DRIVER	RAB DESIGN #CPL14-LED30 SERIES OR APPROVED EQUAL
F3	4' LONG, 5.3" WIDE CEILING SURFACE MOUNTED LED STRIP LIGHT, STEEL HOUSING AND POLYCARBONATE END CAPS, C/W FROSTED ACRYLIC LENS, WHITE FINISH. APPLICATION: CUSTODIAL ROOM	30W, LED LAMP, 4000K 3507LM	120V ELECTRONIC LED DRIVER	COLUMBIA LIGHTING #CNW SERIES OR APPROVED EQUAL
E1	EMERGENCY REMOTE UNIT, C/W ONE(1) OR TWO(2) 6W MR16 LED HEADS, CEILING OR SURFACE MOUNTED, WITH A CLEAR POLYCARBONATE UV AND IMPACT RESISTANT LENS, DIE CAST ALUMINUM BACK PLATE, WHITE FINISH, 12VDC.	2 x 6W MR16 LED		EMERGI-LITE #EF40 SERIES OR APPROVED EQUAL
E2	EMERGENCY LIGHTING BATTERY UNIT, 1/2HR BATTERY, C/W ONE(1) OR TWO(2) 6W MR16 LED HEADS, WALL MOUNTED, WHITE FINISH, 12VDC/120VAC OR TO MATCH EXISTING AS NOTED. MOUNT @ 200MM BELOW CEILING.			EMERGI-LITE #ESL SERIES OR APPROVED EQUAL

DRAWING LIST	
DWG. NO.	DRAWING TITLE
E01	KEY PLAN, DRAWING LIST, LEGEND & DETAILS - ELECTRICAL
E02	ELECTRICAL LAYOUTS - ROOM 120, 121 & 122
E03	ELECTRICAL LAYOUTS - ROOM 128, 130, 133, 134 & 135
E04	PANEL SCHEDULE - ELECTRICAL

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	LED LUMINAIRES, RECESSED IN CEILING, LETTER DENOTES FIXTURE TYPE PER SCHEDULE
	LED LUMINAIRES, SURFACE MOUNTED ON CEILING, LETTER DENOTES FIXTURE TYPE PER SCHEDULE
	FLUORESCENT OR LED STRIP LUMINAIRES, LETTER DENOTES FIXTURE TYPE PER SCHEDULE
	120V SINGLE POLE TOGGLE SWITCHES, RESPECTIVELY WITH ONE, TWO, OR THREE GANG COVER PLATE, AMPERAGE RATING TO MATCH CIRCUIT BREAKER
	CEILING MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL
	WALL MOUNTED OCCUPANCY SENSOR SWITCH FOR LIGHT
	WALL MOUNTED DUPLEX RECEPTACLE, U-GROUND, CSA 5-15R TYPE (15A, 120V) UNLESS OTHERWISE NOTED
	15A, 125V DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE (CSA 5-15R)
	RECEPTACLES AS ABOVE RESPECTIVELY, BUT MOUNTED AT 8" ABOVE COUNTER TOP, OR 42" AFF, OR AS NOTED
	20A, 125V DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE (CSA 5-20R)
	DIRECT CONNECTION TO EQUIPMENT AS NOTED.
	DIRECT CONNECTION C/W DISCONNECT SWITCH
	ELECTRICAL PANEL, RECESSED OR SURFACE MOUNTED
	FIRE ALARM SMOKE DETECTOR, CEILING OR WALL MOUNTED
	FIRE ALARM HEAT DETECTOR, COMBINATION OF FIXED TEMPERATURE 57°C (135°F) AND RATE-OF-RISE 8°C/MIN TYPE, CEILING OR WALL MOUNTED
	FIRE ALARM DOOR HOLDER
	FIRE ALARM HORN
	FIRE ALARM CONTROL PANEL OR ANNUNCIATOR PANEL, RECESSED OR SURFACE MOUNTED
	EMERGENCY LIGHTING REMOTE HEADS, CEILING OR WALL MOUNTED, WITH DOUBLE OR SINGLE HEADS RESPECTIVELY
	EMERGENCY LIGHTING BATTERY UNIT C/W INTEGRAL HEADS
	CEILING OR WALL RECESSED MOUNTED SINGLE GANG BOX FOR P.A. SPEAKER. "S" DENOTES SURFACE BOX FOR PENDENT SPEAKER.
	ELECTRIC BASEBOARD HEATER
	HAND DRYER
	JUNCTION BOX
	THERMOSTAT
	TIME SWITCH
	ABOVE FINISHED FLOOR
	GROUND FAULT INTERRUPTER
	AS APPLIED TO CIRCUITING, DENOTES "PANEL 'LP-1', CIRCUIT # 1"
	DENOTES TAMPER-RESISTANT TYPE RECEPTACLE
	DENOTES EXISTING DEVICE(S) TO REMAIN
	DENOTES EXISTING DEVICE(S) TO BE RELOCATED
	DENOTES EXISTING DEVICE(S) TO BE REMOVED
	DENOTES EXISTING DEVICE(S) TO BE REMOVED AND REPLACED WITH NEW
	DENOTES EXISTING DEVICE(S) IN RELOCATED/REINSTALLED POSITION
	DENOTES PROVIDE NEW DEVICE(S)
	DENOTES DRAWING REFERENCE NOTES # 2
	DENOTES REFER TO DETAIL #1 ON DRAWING #E-02.



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H2B9

Trillium Lakelands
District School Board
Parkview PS
Washroom
Renovation

WO# 041703

133 Adelaide St N,
Lindsay, ON K9V 4M2



Seal

HL ENGINEERING LTD
14721 WOODBINE AVE. STOUFFVILLE, ON
L4A 2G7 905-713-0003 www.hlengineering.ca

DATE: 2021-04
PROJECT NO: 20065-B5
DRAWN: HZ
CHECKED: ML

Revisions

1. ISSUED FOR REVIEW 2021-03-05
1. ISSUED FOR PERMIT&TENDER 2021-04-19

Title

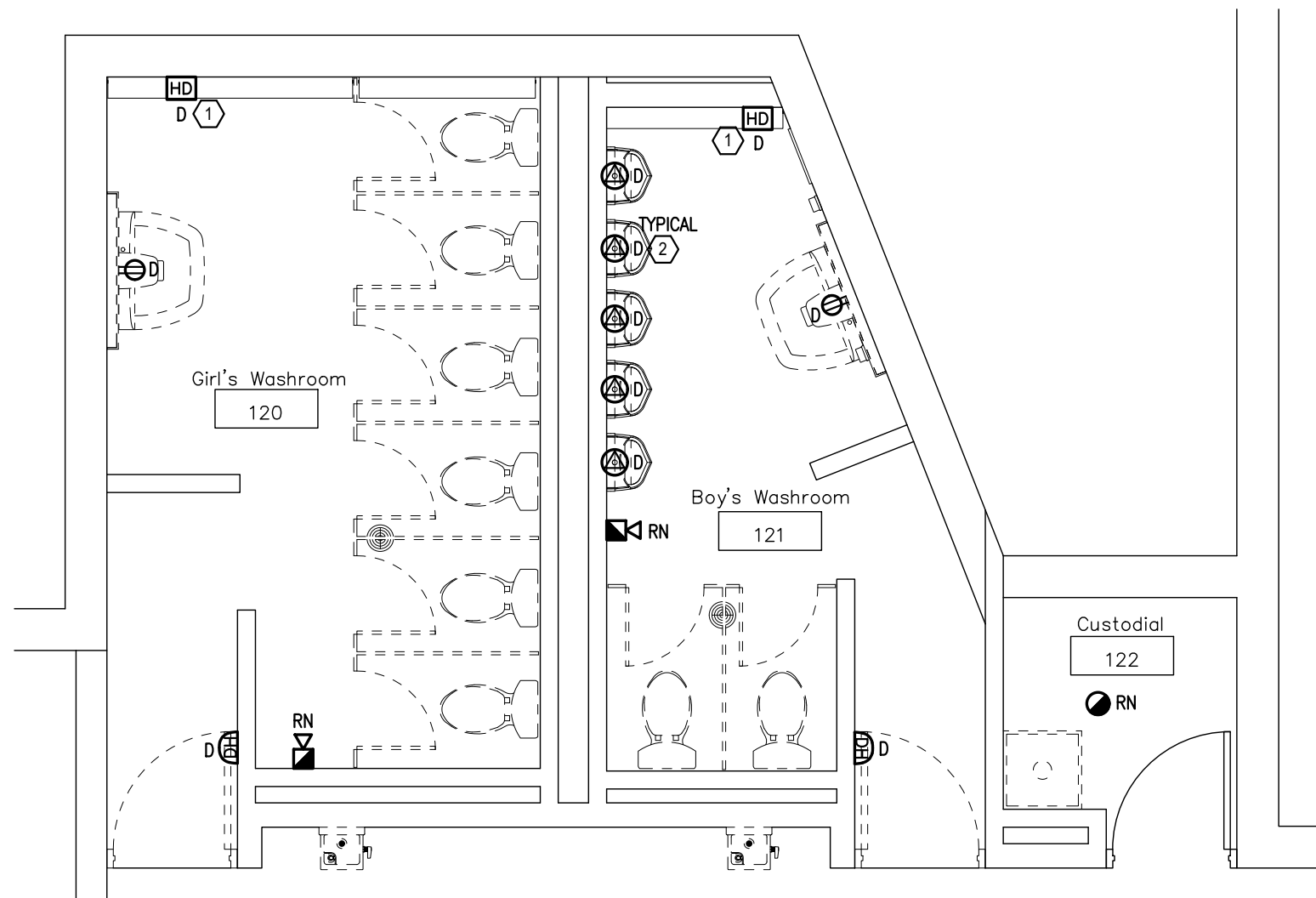
KEY PLAN, DRAWING
LIST, LEGEND &
DETAILS - ELECTRICAL

N.T.S.

Scale

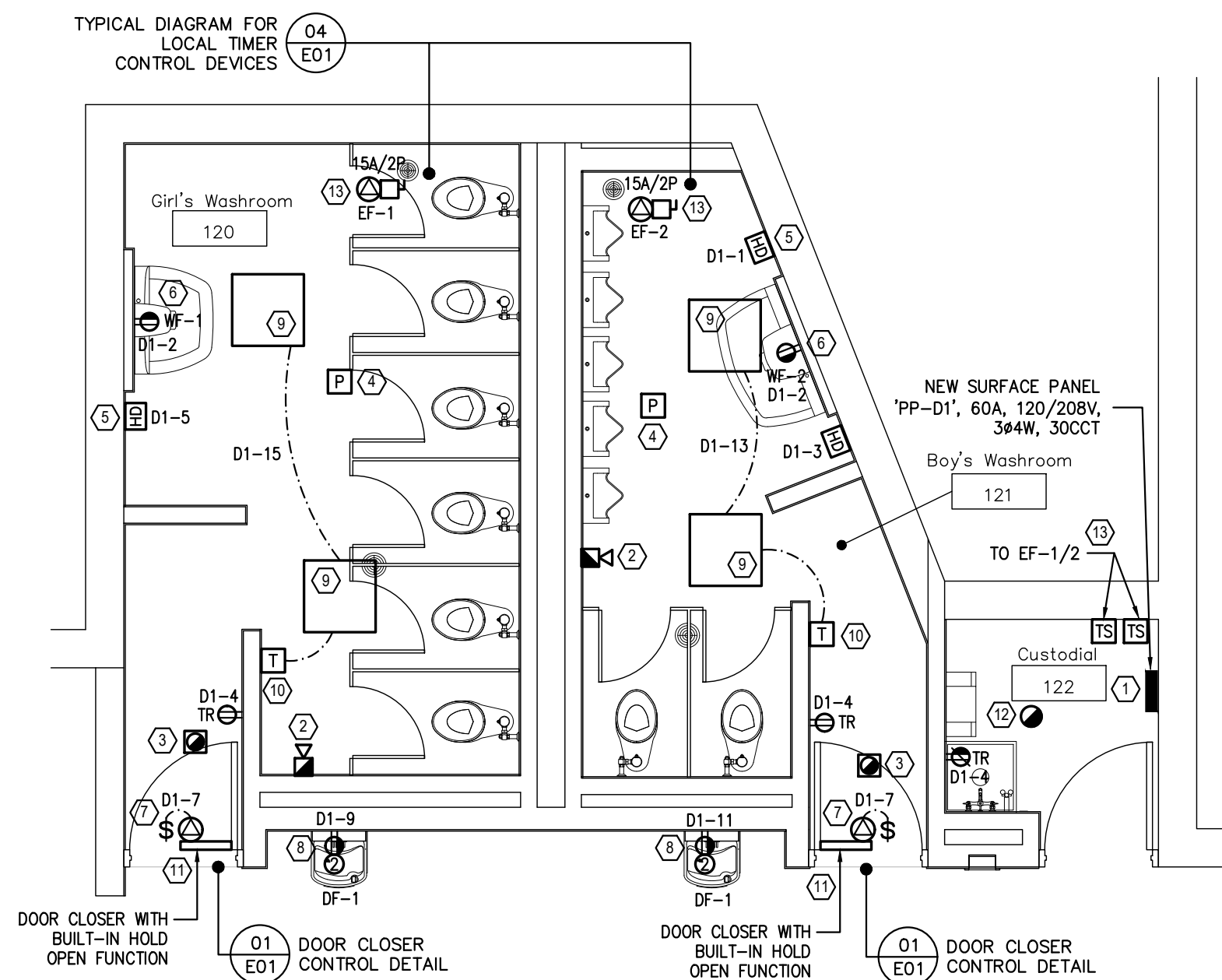
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E01



01
E02 EXISTING POWER & SYSTEMS LAYOUT – ROOM 120, 121 & 122
SCALE: 1:50

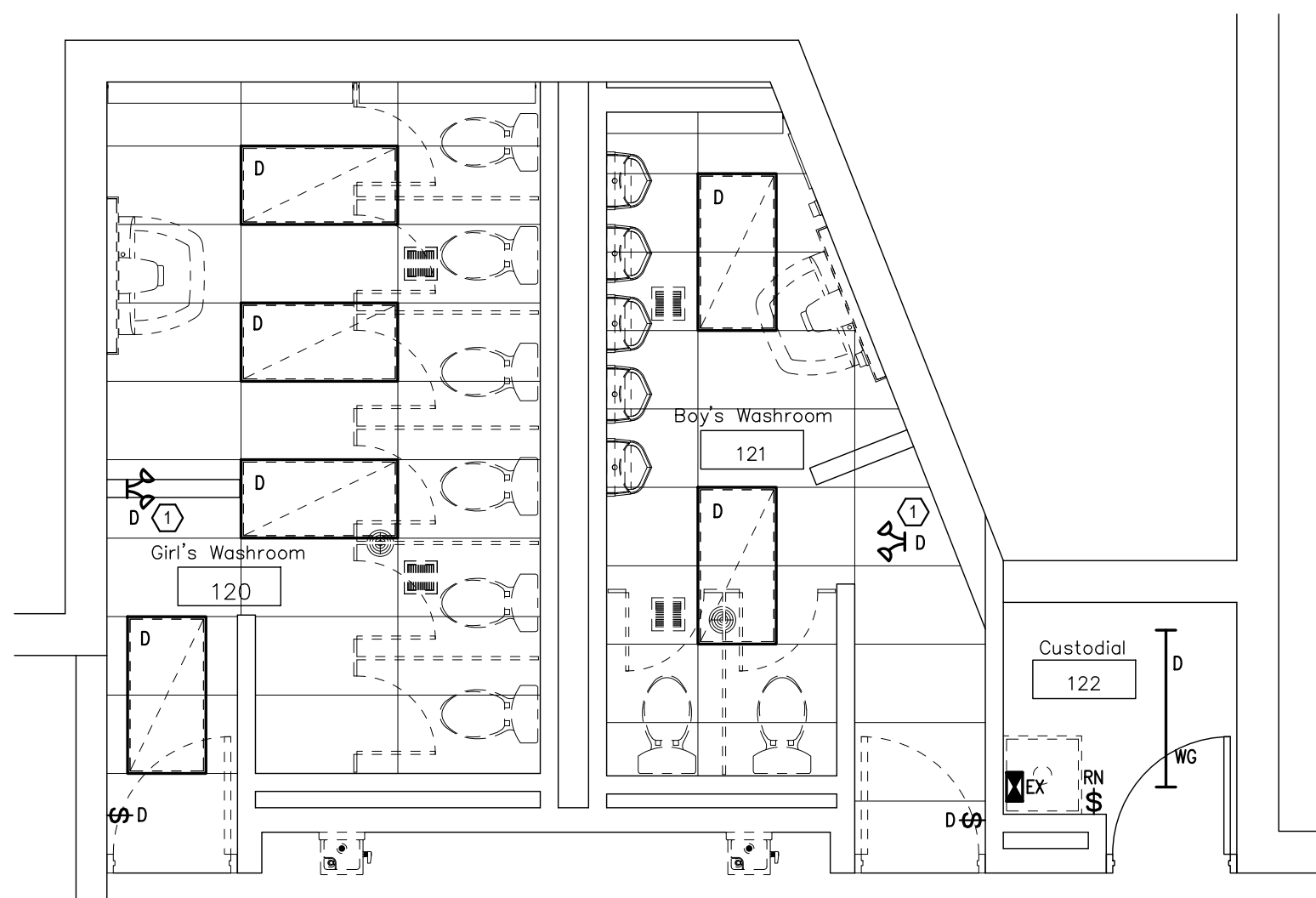
- GENERAL NOTES:**
1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE EXISTING TO REMAIN.
 2. REGARDLESS SHOWN OR NOT, REMOVE (OR RELOCATE AS REQUIRED) ALL EXISTING ELECTRICAL DEVICES/EQUIPMENT C/W WIRES/CONDUITS AND BOXES AFFECTED BY DEMOLITION OF EXISTING PARTITIONS.
 3. REMOVAL SCOPE SHALL INCLUDE REMOVAL OF ALL UNUSED CIRCUITS BACK TO POWER PANEL, INCLUDING WIRES, CONDUITS AND JUNCTION BOXES, MODIFY PANEL DIRECTORY.
- NOTES:**
- ① REMOVE EXISTING WASHROOM HAND DRYER CIRCUITS BACK TO POWER PANEL, INCLUDING HAND DRYERS, WIRES, JUNCTION BOX AND CIRCUIT BREAKERS.
 - ② EXISTING POWER SUPPLIES FOR URINAL SENSORS TO BE REMOVED.



03
E02 PROPOSED POWER & SYSTEMS LAYOUT– ROOM 120, 121 & 122
SCALE: 1:50

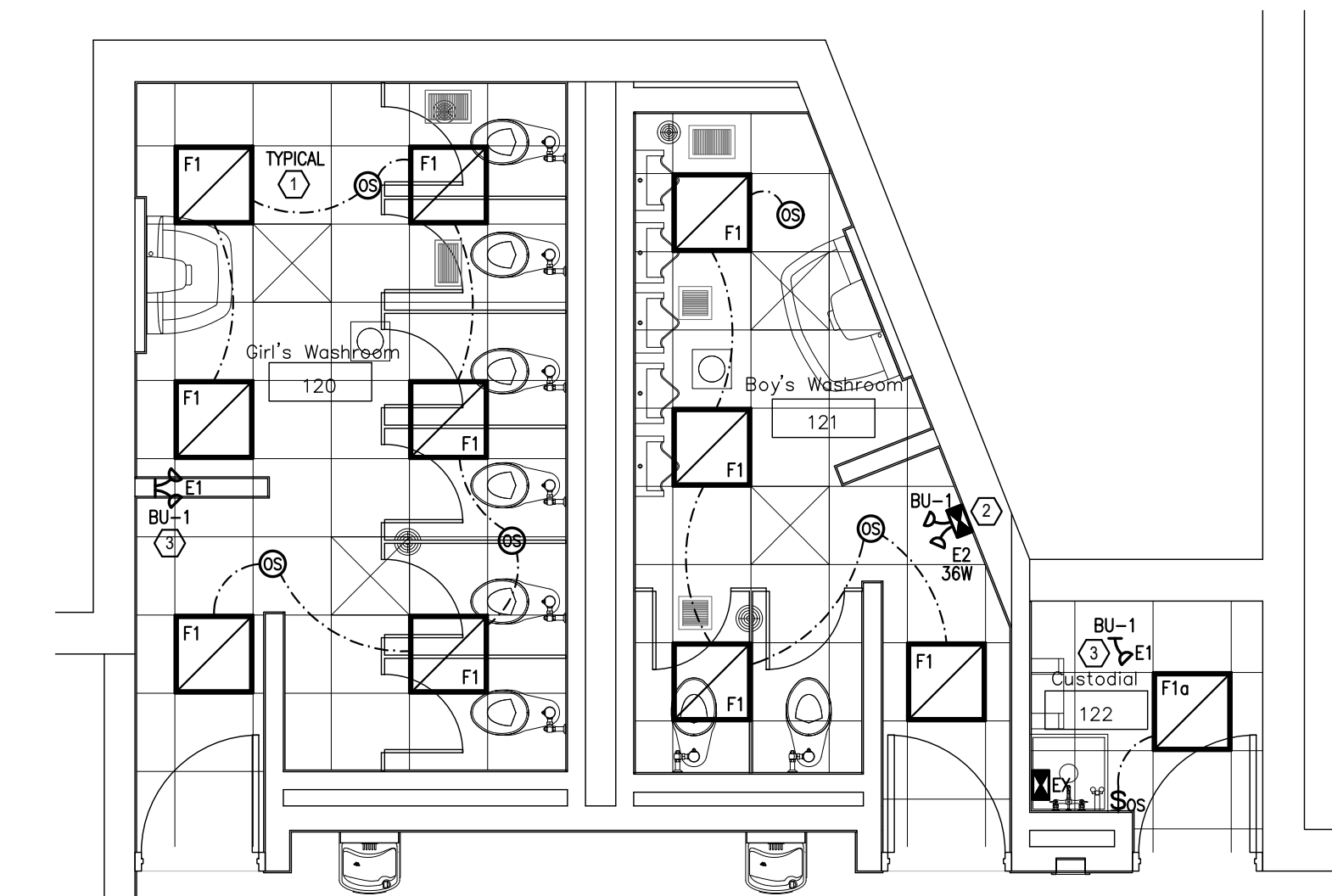
- GENERAL NOTES:**
1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE NEW.
 2. ALL NEW WIRES/CONDUITS SHALL BE INSTALLED CONCEALED IN CEILING SPACE OR PARTITIONS, SURFACE INSTALLATION IS NOT ACCEPTABLE.
 3. ALL WIRING DEVICES TO BE INSTALLED IN RECESSED GANG BOX, SURFACE INSTALLATION IS NOT ACCEPTABLE.
 4. CONFIRM ALL EXACT MECHANICAL EQUIPMENTS LOCATION ON MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.

- NOTES:**
- ① PROVIDE ONE(1) NEW 60A, 344W SURFACE PANEL 'PP-D1' IN CUSTODIAL ROOM 122, ADD ONE(1) NEW 60A/3P BREAKER IN EXISTING PANEL 'D1', RUN FEEDER, 4#6-HRD-35mmC TO 'PP-D1', UNLESS OTHERWISE NOTED, ALL ELECTRICAL LOAD IN ROOM 120, 121 & 122 SHALL BE FED FROM THIS PANEL, REFER TO PANEL SCHEDULE FOR DETAIL.
 - ② REPLACE EXISTING FIRE ALARM HORNS WITH NEW, CONNECT TO EXISTING FIRE ALARM SIGNALING CIRCUIT IN EACH WASHROOM.
 - ③ PROVIDE NEW FIRE ALARM SMOKE DETECTOR C/W EXTRA RELAY CONNECTED TO WASHROOM DOOR CLOSER CONTROL CIRCUIT, CONNECT SMOKE DETECTOR TO EXISTING FIRE ALARM INITIATING CIRCUIT IN THIS AREA.
 - ④ PROVIDE NEW CEILING MOUNTED PA SPEAKS, CONNECT TO EXISTING PA SPEAKER CIRCUIT IN THIS AREA.
 - ⑤ PROVIDE THREE(3) NEW HAND DRYERS, MOUNTED AT 1100mm AFF TO HAND DRYER TOP.
 - ⑥ PROVIDE NEW GFI RECEPTACLES FOR WASH FOUNTAIN SENSORS, CONFIRM EXACT RECEPTACLE LOCATION AND MOUNTING HEIGHT ON SITE, CONTRACTOR TO MAKE SURE THE RECEPTACLE TO BE CONCEALED BEHIND WASH FOUNTAIN.
 - ⑦ PROVIDE POWER CONNECTIONS C/W SWITCH FOR NEW WASHROOM DOOR CLOSERS, CONFIRM EXACT POWER CONNECTION LOCATION ON SITE.
 - ⑧ PROVIDE TWO(2) NEW 20A GFI RECEPTACLES FOR NEW DRINKING FOUNTAINS 'DF-1', CONFIRM EXACT RECEPTACLE LOCATION AND MOUNTING HEIGHT ON SITE, CONTRACTOR TO MAKE SURE THE RECEPTACLE TO BE CONCEALED BEHIND 'DF-1'.
 - ⑨ PROVIDE NEW ELECTRIC RADIANT CEILING PANEL C/W T-BAR CEILING RECESS MOUNTING KIT, 2'X2', 375W, 120V, QMARK MODEL CP371, WHITE FINISH.
 - ⑩ PROVIDE LINE VOLTAGE THERMOSTAT FOR ELECTRIC CEILING PANEL CIRCUIT IN EACH WASHROOM, MOUNTED AT 6' AFF.
 - ⑪ PROVIDE FIRE ALARM DOOR RELEASE FROM EXISTING FIRE ALARM CONTROL PANEL TO NEW WASHROOM DOOR CLOSERS. MODIFY EXISTING FIRE ALARM CONTROL PANEL TO ADD DOOR RELEASE CIRCUIT/MODULE. WASHROOM DOORS SHALL BE HELD OPEN AND AUTOMATICALLY CLOSED UPON ACTIVATION OF FIRE ALARM SIGNAL FROM FIRE ALARM CONTROL PANEL OR LOCAL SMOKE DETECTORS.
 - ⑫ REPLACE EXISTING FIRE ALARM HEAT DETECTOR WITH NEW, CONNECT TO EXISTING FIRE ALARM INITIATING CIRCUIT IN THIS ROOM.
 - ⑬ PROVIDE POWER CONNECTIONS C/W 15A/2P DISCONNECT SWITCH FOR NEW EXHAUST FAN 'EF-1' AND 'EF-2', 'EF-1' AND 'EF-2' SHALL BE CONTROLLED SEPARATELY BY NEW LINE VOLTAGE TIMER SWITCHES IN CUSTODIAL ROOM 122. EXHAUST FANS AND TIMER SWITCHES ARE PROVIDED BY MECHANICAL DIVISION.



02
E02 EXISTING LIGHTING LAYOUT – ROOM 120, 121 & 122
SCALE: 1:50

- GENERAL NOTES:**
1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE EXISTING TO REMAIN.
 2. REGARDLESS SHOWN OR NOT, REMOVE (OR RELOCATE AS REQUIRED) ALL EXISTING ELECTRICAL DEVICES/EQUIPMENT C/W WIRES/CONDUITS AND BOXES AFFECTED BY DEMOLITION OF EXISTING PARTITIONS.
 3. REMOVAL SCOPE SHALL INCLUDE REMOVAL OF ALL UNUSED CIRCUITS BACK TO POWER PANEL, INCLUDING WIRES, CONDUITS AND JUNCTION BOXES, MODIFY PANEL DIRECTORY.
- NOTES:**
- ① EXISTING EMERGENCY REMOTE HEADS TO BE REMOVED AND RETURNED TO SCHOOL BOARD.



04
E02 PROPOSED LIGHTING LAYOUT – ROOM 120, 121 & 122
SCALE: 1:50

- GENERAL NOTES:**
1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE NEW.
 2. ALL NEW WIRES/CONDUITS SHALL BE INSTALLED CONCEALED IN CEILING SPACE OR PARTITIONS, SURFACE INSTALLATION IS NOT ACCEPTABLE.
 3. ALL WIRING DEVICES TO BE INSTALLED IN RECESSED GANG BOX, SURFACE INSTALLATION IS NOT ACCEPTABLE.

- NOTES:**
- ① PROVIDE NEW LIGHTS TYPE 'F1' AND 'F1a', CONNECT TO EXISTING NORMAL LIGHT CIRCUIT IN EACH ROOM AND TO BE CONTROLLED BY NEW WALL SWITCH OR CEILING OCCUPANCY SENSORS.
 - ② PROVIDE ONE(1) NEW EMERGENCY LIGHTING BATTERY UNIT 'E2' C/W DOUBLE REMOTE HEADS. PROVIDE UNSWITCHED HOT CONDUCTOR FROM EXISTING WASHROOM NORMAL LIGHT CIRCUIT TO 'E2'.
 - ③ PROVIDE NEW EMERGENCY REMOTE HEADS 'E1', CONNECT TO NEW EMERGENCY LIGHTING CIRCUIT 'BU-1', ALL NEW REMOTE HEADS SHALL BE FED FROM BATTERY UNIT 'E2'.



Trillium Lakelands
District School Board
Parkview PS
Washroom
Renovation

WO# 041703

133 Adelaide St N,
Lindsay, ON K9V 4M2

Seal



DATE: 2021-04
PROJECT NO: 20065-B5
DRAWN: HZ
CHECKED: ML

Revisions
1. ISSUED FOR REVIEW 2021-03-05
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Title

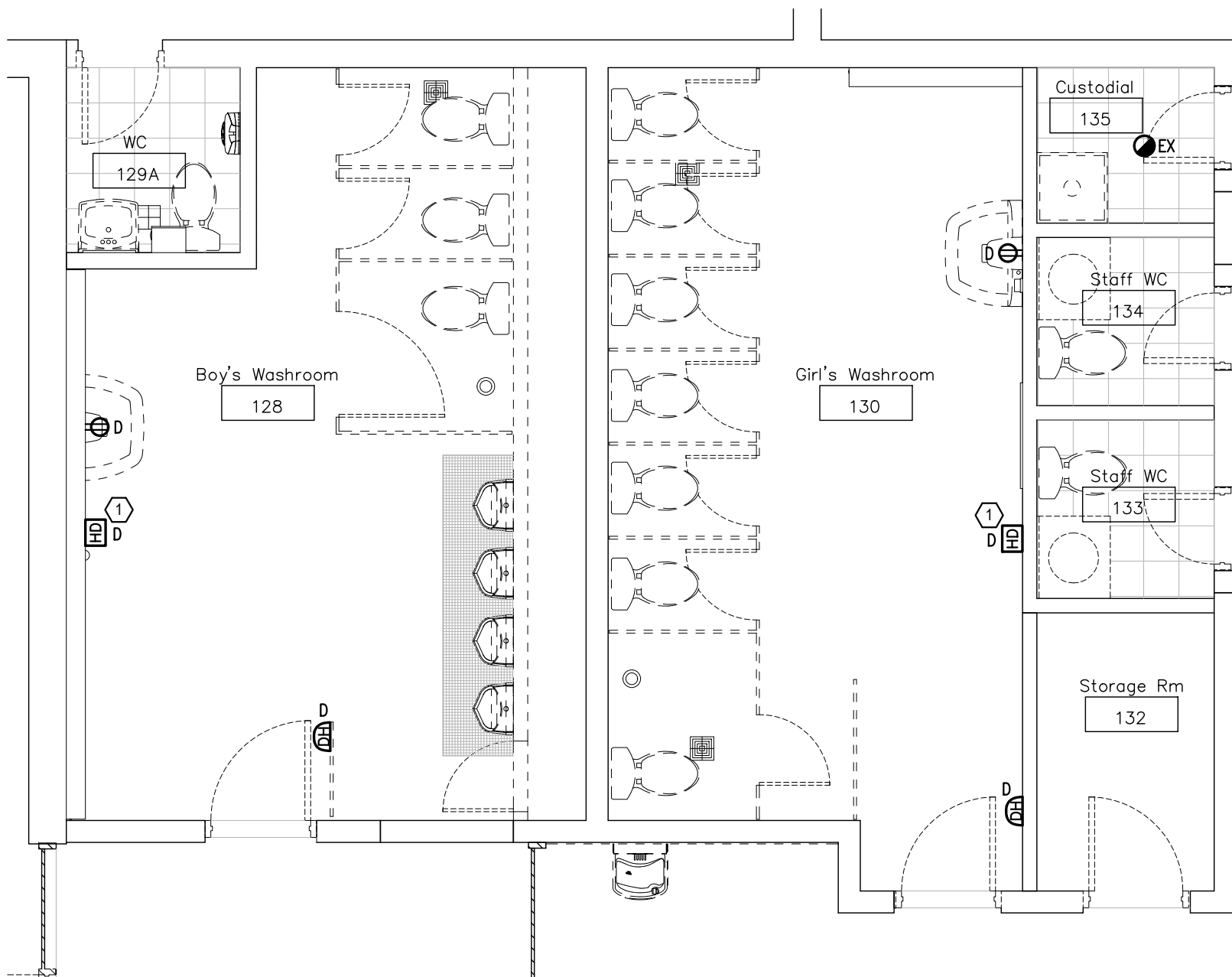
ELECTRICAL LAYOUTS
- ROOM 128, 130,
133, 134 & 135

1:50

Scale

Sheet

E03



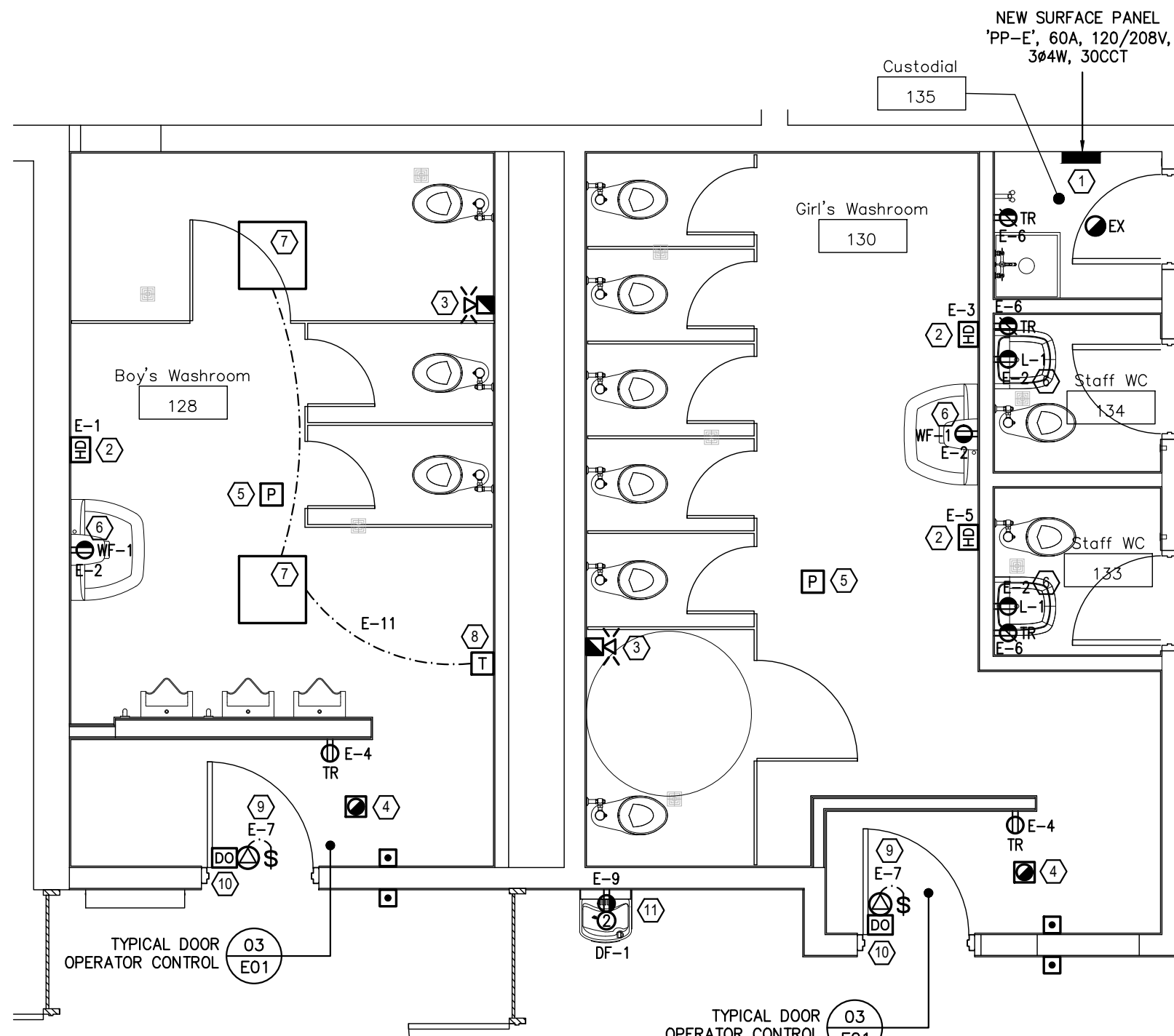
01
E03
EXISTING POWER & SYSTEMS LAYOUT - ROOM 128, 130, 133, 134 & 135
SCALE: 1:50

GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE EXISTING TO REMAIN.
2. REGARDLESS SHOWN OR NOT, REMOVE (OR RELOCATE AS REQUIRED) ALL EXISTING ELECTRICAL DEVICES/EQUIPMENT C/W WIRES/CONDUITS AND BOXES AFFECTED BY DEMOLITION OF EXISTING PARTITIONS.
3. REMOVAL SCOPE SHALL INCLUDE REMOVAL OF ALL UNUSED CIRCUITS BACK TO POWER PANEL, INCLUDING WIRES, CONDUITS AND JUNCTION BOXES, MODIFY PANEL DIRECTORY.

NOTES:

- ① REMOVE EXISTING WASHROOM HAND DRYER CIRCUITS BACK TO POWER PANEL, INCLUDING HAND DRYERS, WIRES, JUNCTION BOX AND CIRCUIT BREAKERS.



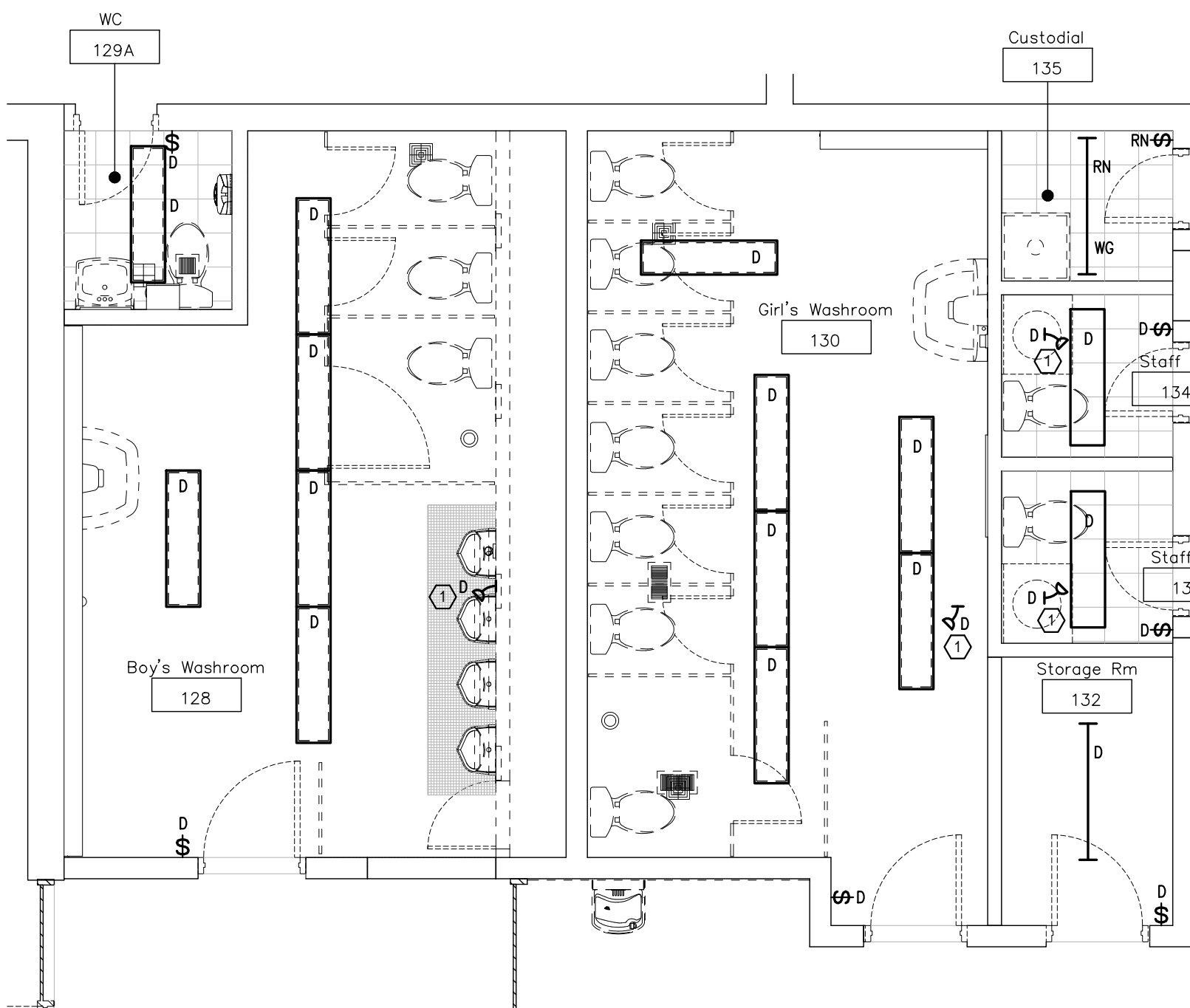
03
E03
PROPOSED POWER & SYSTEMS LAYOUT- ROOM 128, 130, 133, 134 & 135
SCALE: 1:50

GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE NEW.
2. ALL NEW WIRES/CONDUITS SHALL BE INSTALLED CONCEALED IN CEILING SPACE OR PARTITIONS, SURFACE INSTALLATION IS NOT ACCEPTABLE.
3. ALL WIRING DEVICES TO BE INSTALLED IN RECESSED GANG BOX, SURFACE INSTALLATION IS NOT ACCEPTABLE.
4. CONFIRM ALL EXACT MECHANICAL EQUIPMENTS LOCATION ON MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.

NOTES:

- ① PROVIDE ONE(1) NEW 60A, 344W SURFACE PANEL 'PP-E' IN CUSTODIAL ROOM 135. UNLESS OTHERWISE NOTED, ALL ELECTRICAL LOAD IN ROOM 128, 130, 133, 134 & 135 SHALL BE FED FROM THIS PANEL, REFER TO PANEL SCHEDULE FOR DETAIL.
- ② PROVIDE THREE(3) NEW HAND DRYERS, MOUNTED AT 1100mm AFF TO HAND DRYER TOP.
- ③ PROVIDE NEW FIRE ALARM HORNS C/W STROBE LIGHT, CONNECT TO EXISTING FIRE ALARM SIGNALING CIRCUIT IN EACH WASHROOM.
- ④ PROVIDE NEW FIRE ALARM SMOKE DETECTORS C/W EXTRA RELAY CONNECTED TO WASHROOM DOOR OPERATOR CONTROL CIRCUIT, CONNECT SMOKE DETECTORS TO EXISTING FIRE ALARM INITIATING CIRCUIT IN THIS AREA.
- ⑤ PROVIDE NEW CEILING MOUNTED PA SPEAKS, CONNECT TO EXISTING PA SPEAKER CIRCUIT IN THIS AREA.
- ⑥ PROVIDE NEW GFI RECEPTACLES FOR WASH FOUNTAIN AND LAVATORY SENSORS, CONFIRM EXACT RECEPTACLE LOCATION AND MOUNTING HEIGHT ON SITE. CONTRACTOR TO MAKE SURE RECEPTACLES TO BE CONCEALED BEHIND WASH FOUNTAIN 'WF-1' AND LAVATORY 'L-1'.
- ⑦ PROVIDE NEW ELECTRIC RADIANT CEILING PANELS C/W DRYWALL CEILING RECESS MOUNTING KIT, 2'X2', 375W, 120V, QMARK MODEL CP371, WHITE FINISH.
- ⑧ PROVIDE LINE VOLTAGE THERMOSTAT FOR NEW ELECTRIC CEILING PANEL CIRCUIT, MOUNTED AT 6' AFF.
- ⑨ PROVIDE POWER CONNECTIONS C/W SWITCH FOR NEW WASHROOM DOOR OPERATORS, CONFIRM EXACT POWER CONNECTION LOCATIONS ON SITE.
- ⑩ PROVIDE FIRE ALARM DOOR RELEASE FROM EXISTING FIRE ALARM CONTROL PANEL TO NEW WASHROOM DOOR OPERATORS, MODIFY EXISTING FIRE ALARM CONTROL PANEL TO ADD DOOR RELEASE CIRCUIT/MODULE. WASHROOM DOORS SHALL BE AUTOMATICALLY CLOSED UPON ACTIVATION OF FIRE ALARM SIGNAL FROM FIRE ALARM CONTROL PANEL OR LOCAL SMOKE DETECTOR.
- ⑪ PROVIDE ONE(1) NEW 20A GFI RECEPTACLE FOR NEW DRINKING FOUNTAIN 'DF-1', CONFIRM EXACT RECEPTACLE LOCATION AND MOUNTING HEIGHT ON SITE. CONTRACTOR TO MAKE SURE THE RECEPTACLE TO BE CONCEALED BEHIND 'DF-1'.



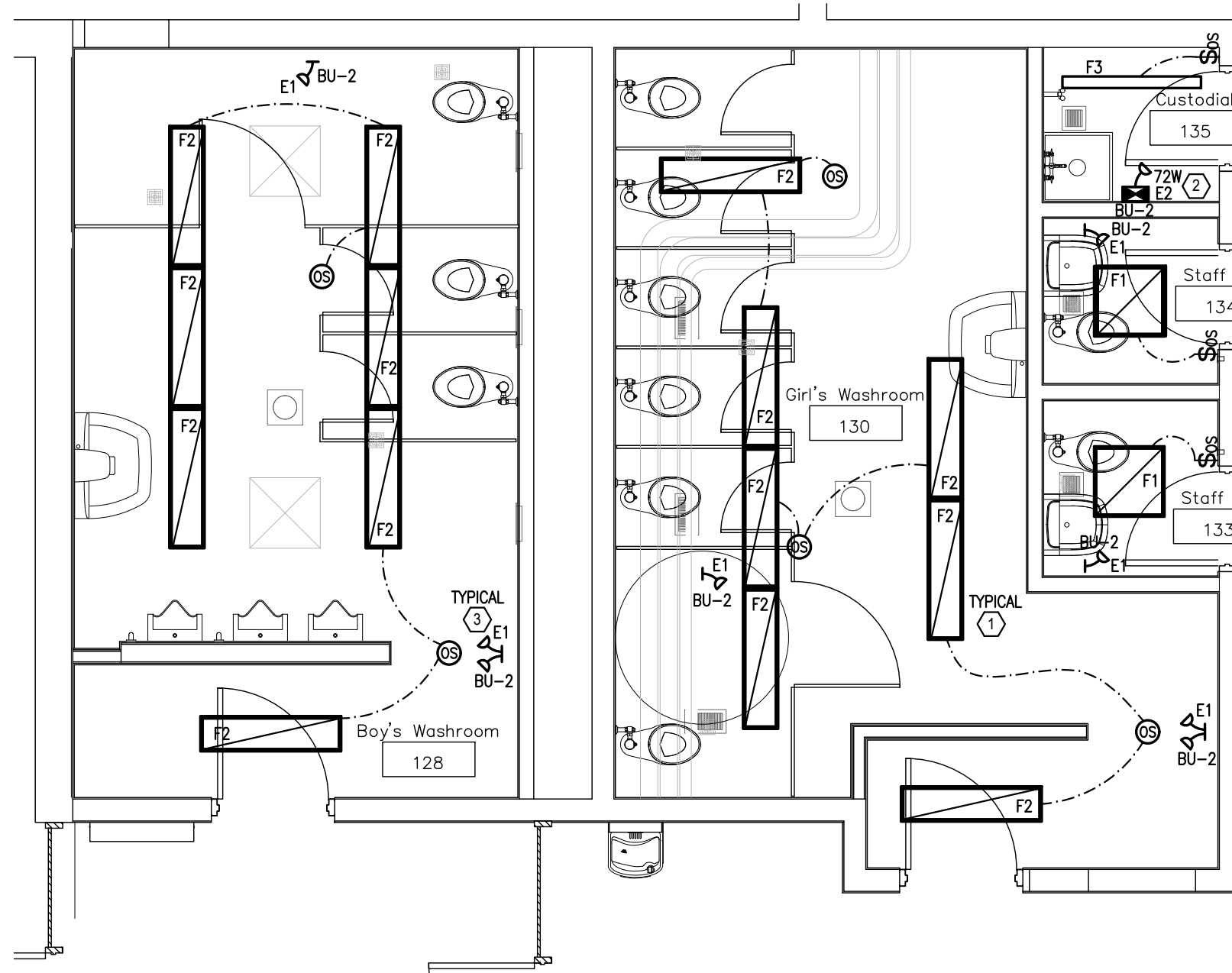
02
E03
EXISTING LIGHTING LAYOUT - ROOM 128, 130, 133, 134 & 135
SCALE: 1:50

GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE EXISTING TO REMAIN.
2. REGARDLESS SHOWN OR NOT, REMOVE (OR RELOCATE AS REQUIRED) ALL EXISTING ELECTRICAL DEVICES/EQUIPMENT C/W WIRES/CONDUITS AND BOXES AFFECTED BY DEMOLITION OF EXISTING PARTITIONS.
3. REMOVAL SCOPE SHALL INCLUDE REMOVAL OF ALL UNUSED CIRCUITS BACK TO POWER PANEL, INCLUDING WIRES, CONDUITS AND JUNCTION BOXES, MODIFY PANEL DIRECTORY.

NOTES:

- ① EXISTING EMERGENCY REMOTE HEADS TO BE REMOVED AND RETURNED TO SCHOOL BOARD.



04
E03
PROPOSED LIGHTING LAYOUT - ROOM 128, 130, 133, 134 & 135
SCALE: 1:50

GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE NEW.
2. ALL NEW WIRES/CONDUITS SHALL BE INSTALLED CONCEALED IN CEILING SPACE OR PARTITIONS, SURFACE INSTALLATION IS NOT ACCEPTABLE.
3. ALL WIRING DEVICES TO BE INSTALLED IN RECESSED GANG BOX, SURFACE INSTALLATION IS NOT ACCEPTABLE.

NOTES:

- ① ALL NEW LIGHTS TYPE 'F1', 'F2', 'F3' TO BE CONNECTED TO EXISTING NORMAL LIGHT CIRCUIT IN EACH ROOM AND CONTROLLED BY NEW WALL SWITCH OR CEILING OCCUPANCY SENSORS.
- ② PROVIDE ONE(1) NEW EMERGENCY LIGHTING BATTERY UNIT 'E2' C/W SINGLE REMOTE HEAD. PROVIDE UNSWITCHED HOT CONDUCTOR FROM EXISTING WASHROOM NORMAL LIGHT CIRCUIT TO 'E2'.
- ③ PROVIDE NEW EMERGENCY REMOTE HEADS 'E1', CONNECT TO NEW EMERGENCY LIGHTING CIRCUIT 'BU-2', ALL NEW REMOTE HEADS SHALL BE FED FROM BATTERY UNIT 'E2'.

PANEL 'PP-D1'(NEW)

VOLTS: 120/208V, 3PH, 4W
MAINS: 60A

FLUSH ☐
SURFACE ☒

☐ LUGS
☒ BREAKER

60A3P

LOAD DESCRIPTION	BRKR	WATTAGE	CIR	BUS	CIR	WATTAGE	BRKR	LOAD DESCRIPTION
BOY'S WR. 121 HAND DRYER, LEFT	15A	1000	1		2		15A	RM. 120,121 SINK SENSORS
BOY'S WR. 121 HAND DRYER, RIGHT	15A	1000	3		4		15A	RM. 120,121,122 REC.
GIRL'S WR. 120 HAND DRYER	15A	1000	5		6		15A	BOY'S WR. 121 EXHAUST FAN
RM. 120,121 DOOR CLOSER	15A		7		8		15A	GIRL'S WR. 120 EXHAUST FAN
DRINKING FOUNTAIN LEFT	20A		9		10		15A	SPARE
DRINKING FOUNTAIN RIGHT	20A		11		12		15A	SPARE
BOY'S WR. 121 RADIANT CEILING PANELS	15A	750	13		14		15A	SPARE
GIRL'S WR. 120 RADIANT CEILING PANELS	15A	750	15		16		15A	SPARE
SPARE	15A		17		18		15A	SPARE
			19		20			
			21		22			
			23		24			
			25		26			
			27		28			
			29		30			
		-	TOTAL		-			

CONNECTED LOAD: -

(*) GROUND-FAULT INTERRUPTER CIRCUIT BREAKER

PANEL 'PP-E'(NEW)

VOLTS: 120/208V, 3PH, 4W

MAINS: 60A

FLUSH ☐

SURFACE ☒

LUGS ☐

BREAKER ☒

60A3P

LOAD DESCRIPTION	BRKR	WATTAGE	CIR	BUS	CIR	WATTAGE	BRKR	LOAD DESCRIPTION
BOY'S WR. 128 HAND DRYER	15A	1000	1		2		15A	RM. 128,130,133,134 SINK SENSORS
GIRL'S WR. 130 HAND DRYER, LEFT	15A	1000	3		4		15A	RM. 128,130 REC.
GIRL'S WR. 130 HAND DRYER, RIGHT	15A	1000	5		6		15A	RM. 133,134,135 REC.
RM. 128,130 DOOR OPERATORS	15A		7		8		15A	SPARE
DRINKING FOUNTAIN	20A		9		10		15A	SPARE
BOY'S WR. 128 RADIANT CEILING PANELS	15A	750	11		12		15A	SPARE
SPARE	15A		13		14		15A	SPARE
SPARE	15A		15		16			
			17		18			
			19		20			
			21		22			
			23		24			
			25		26			
			27		28			
			29		30			
		-	TOTAL			-		

CONNECTED LOAD: -

(*) GROUND-FAULT INTERRUPTER CIRCUIT BREAKER



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H2B9

Trillium Lakelands
District School Board
Parkview PS
Washroom
Renovation

WO# 041703

133 Adelaide St N,
Lindsay, ON K9V 4M2

Seal



 **HL ENGINEERING LTD**
14721 WOODBINE AVE, STOUFFVILLE, ON
L4A 2G7 905-713-0003 www.hlengineering.ca

DATE: 2021-04
PROJECT NO: 20065-B5
DRAWN: HZ
CHECKED: ML

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1. ISSUED FOR PERMIT&TENDER	2021-04-19

Title

PANEL SCHEDULE -
ELECTRICAL

Scale

N.T.S.

Sheet

E04