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RM 129A NEW STORAGE ROOM RM 129 NEW UNIVERSAL WASHROOM -RM 130 RENEWED STAFF WC RM 130 RENEWED STAFF WC RM 131 CUSTODIAL ROOM - NEW SHELVING

-RM 166 RENEWED BARRIER FREE WC

-RM 126A - NEW MILLWORK

Keyplan (1)1:300

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LOCATION PLAN

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Project Address: 33 Dunsford Rd Dunsford Ontario K0M1L0

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GENERAL NOTES

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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 RESPONSPONSIBILITY 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 DIMESNIONS WITHTHE 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.

Dunsford District Elementary School Washroom Renewal 2021

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Appendix A

ARCHITECTURAL Sheet A000 Cover Sheet A010 CODE COMPLIANCE A020 DEMOLITION A200 Floor Plan NEW WORK A600 Rm 126A MILLWORK A900 FINISHES A901

FINISHES DETAILS

STRUCTURAL Sheet

STRUCTURAL UPGRADES AND REPAIRS GENERAL NOTES STRUCTURAL UPGRADES AND REPAIRS RM 129-132 AND 166 APPENDIX B: REFERENCE BOOKLET

MECHANICAL

#	Sheet
M01	MECHANICAL LEGEND, DRAWING LIST, SCHEDULE, DETAIL AND SPECIFICATION
M02	MECHANICAL PLAN - RM 129/130/131
M03	MECHANICAL PLAN - RM 166

ELECTRICAL

F01 E02

E03

Sheet

KEY PLAN, DRAWING LIST, LEGEND & DETAILS - ELECTRICAL ELECTRICAL LAYOUTS - ROOM 129 & 129A & 130 & 131 ELECTRICAL LAYOUTS - ROOM 166

JASON LOWE ARCHITECT

ARCHITECTURE Jason Lowe Architect Inc. 77 Main Street East

Huntsville, Ontario

P1H 1V7

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

MECHANICAL and ELECTRICAL HL Engineering Ltd. 14721 Woodbine Ave

Stouffville, ON Canada L4A 2G7 Contact: Ming Jia Li, P.Eng.

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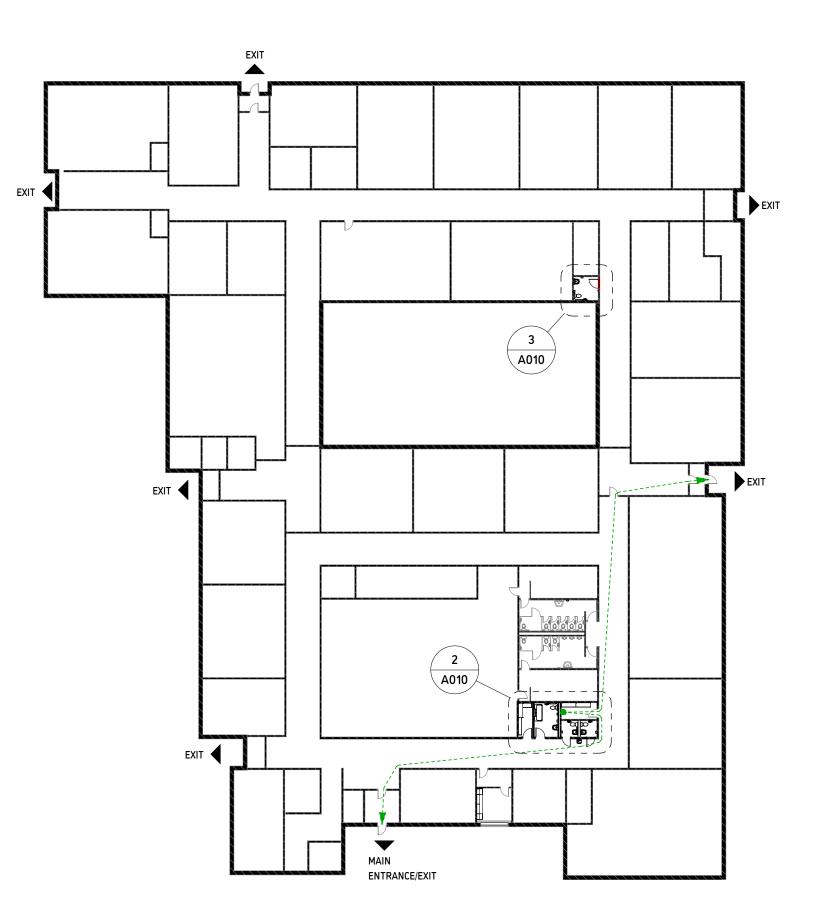


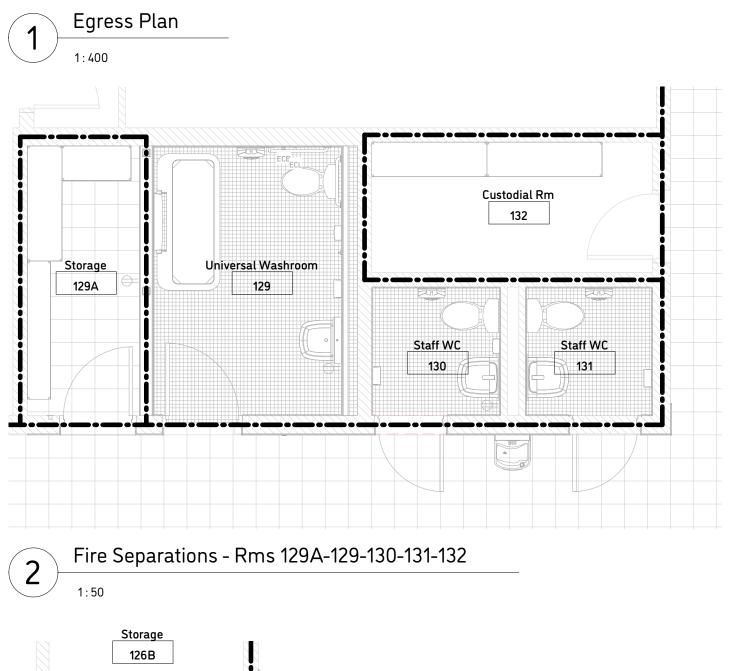
OWNER Trillium Lakelands District School Board P.O. Box 420 300 County Road 36 Lindsay, ON K9V 4S4

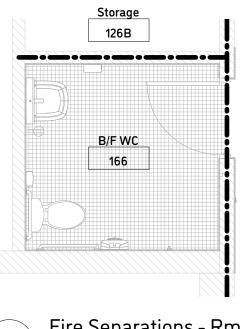
Contact: Dan Whalen T. 705.641.1996 daniel.whalen@tldsb.on.ca

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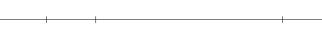






3 Fire Separations - Rm 166





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.						
11.00	Project Type:	□ New □ Addition ⊠ Renovation	[A] 1.1.2.						
		□ Change of Use □ Addition and Renovation							
		Description: WASHROOM RENOVATION							
11.02	Major Occupancy Classification	Occupancy Use Assembly (A2) Elementary school							
11.03	Superimposed Major Occupancies	X No 🗆 Yes Description:	3.2.2.7.						
11.04	Building Area (m2)	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. &						
11.06	Number of streets/ Firefighter access	street(s) Existing - no change	3.2.1.1. 3.2.2.10 & 3.2.5.						
11.07	Building size	□ Small □ Medium 🛛 Large □ > Large	T.11.2.1.1.B-N						
11.08	Existing Building Classification	Change in Major Occupancy: Yes X Not applicable (no change of major occupancy) Construction Index:	11.2.1.1.						
11.09	Renovation Type	X Basic Renovation	11.3.3.1.						
			11.3.3.2.						
11.10	Occupant Load	Floor Level/Area Occ. Type Based On Occ. Load (Persons)	3.1.17.						
		Entire School A2 OTG (On the ground capacity/Design occupancy) 603 persons	0.545						
11.11	Plumbing Fixture	Ratio: Male:Female = 50:50	3.7.4.5						
	Requirements	FloorOccupantOBCFixturesFixturesLevel/AreaLoadReferenceRequiredExistingProvided							
		Entire School 603							
		$\begin{array}{ c c c c c c c c c c c c c c c c c c c$							
11.12	Barrier-free Design	X Yes Explanation: The new universal washroom will have a power door operator, barrier free	3.8						
		□ No fixtures, washroom accessories and a new adult change table.							
11.13	Reduction in Performance Level	Structural: X No Yes By increase in occupant load: X No Yes	11.4.2.1. 11.4.2.2.						
	Ferrormance Level	By increase in occupant load: X No □ Yes By change of major occupancy: X No □ Yes	11.4.2.2.						
		Plumbing: X No Yes	11.4.2.4.						
		Sewage systems: 🛛 🖾 No 🗆 Yes	11.4.2.5.						
		Extension of combustible construction: X No \Box Yes	11.4.2.6.						
11.14	Compensating	□ No X Yes	11.4.3.1.						
	Construction:	Structural:	11.4.3.2.						
		By increase in occupant load: 🛛 🕅 No 🗌 Yes	11.4.3.3.						
		By change of major occupancy: 🛛 🕅 No 🗌 Yes	11.4.3.4.						
		Plumbing:	11.4.3.5.						
		Sewage systems: X No Yes	11.4.3.6.						
		Extension of combustible construction: 🛛 No 🗌 Yes	11.4.3.7.						
11.14	Compliance Alternatives	X No Yes	11.5.1						
	Proposed:		-						
11.15	Notes:	RESERVED	11.5.1						
All reference	es are to Division B of the OBC unless precede	d by (A) for Division A and (C) for Division C							

LEGEND

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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 EGRESS PATH EXIT

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 01 33 00 AND 07 84 00.

5. REFER TO 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.



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

Dunsford District Elementary School Washroom Renewal 2021

Dunsford, Ontario

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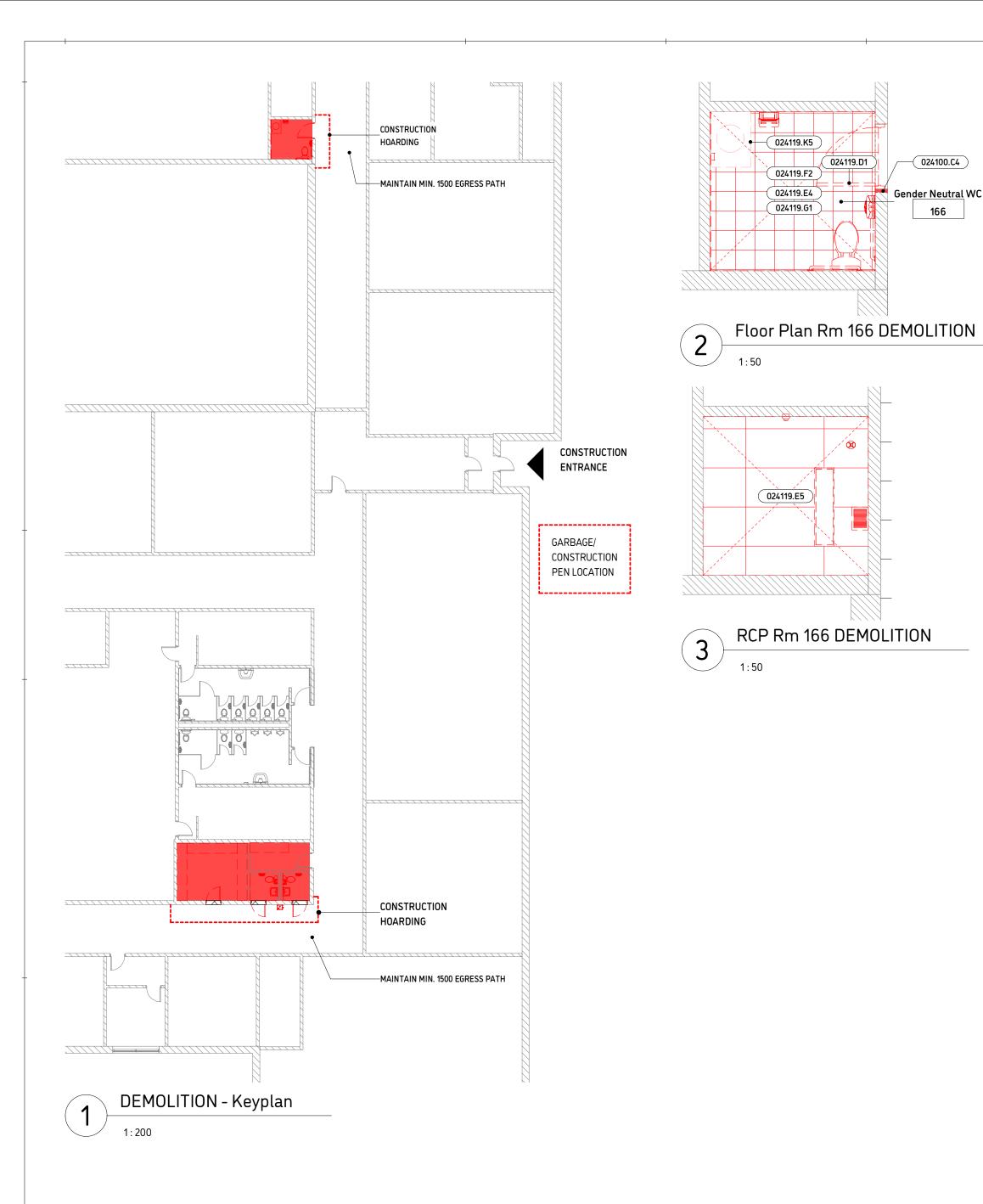
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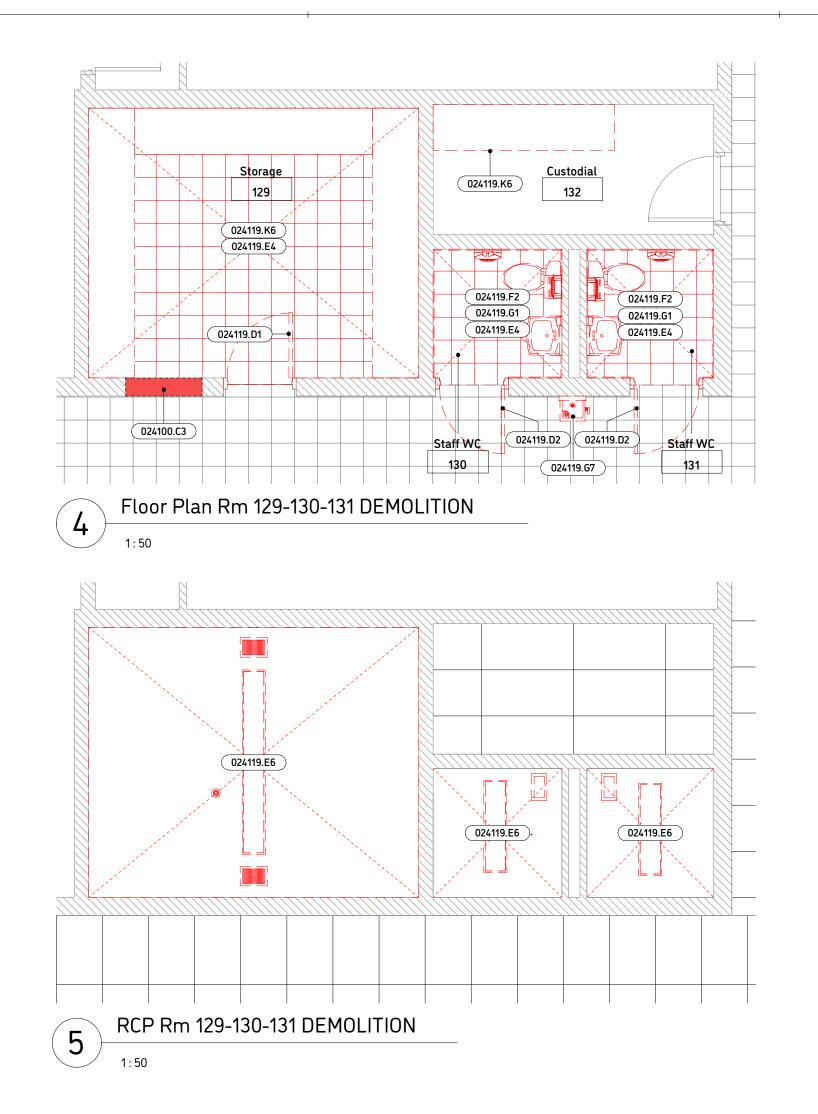
Revisions

Title

CODE COMPLIANCE







Key Value	Keynote Text
	· ·
024100.C3	NEW OPENING. Remove portion of wall as required to accommodate new work. Refer to structural for new lintel requirements. Provide engineered shoring as required.
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, frame and related hardware.
024119.D2	DOOR. Remove existing door and hardware, retain frame for re-use in new work.
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	GYPSUM/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.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.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.K5	VANITY CABINETRY. Remove vanity cabinet and counter.
024119.K6	SHELVING. Remove shelving and any fasteners. Repair existing walls as necessary for new finishes.

PRE-CONSTRUCTION REQUIREMENTS

1. **SITE REVIEWS**. REFER TO SPECIFICATION FOR LIST OF REQUIRED ON SITE REVIEWS THAT THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE CONSULTANT.

2. 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.

3. **AIR FLOW TESTS**. A PRE-CONSTRUCTION AIR FLOW TEST IS REQUIRED PRIOR TO CONSTRUCTION. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS.

DEMOLITION NOTES

1. READ THESE DRAWINGS IN CONJUNCTION WITH NEW WORK AND ADDITIONAL DEMOLITION SCOPE DESCRIBED IN STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.

2. 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.

3. 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.

4. BROKEN OR DASHED LINES GENERALLY INDICATE REMOVALS. SCOPE TO INCLUDE REMOVALS AS REQUIRED TO ACHIEVE NEW WORK.

5. 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.

6. REFER TO OWNER'S REQUIREMENTS FOR HAZARDOUS MATERIALS PROCEDURES.

7. 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.

8. 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.

9. 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.

10. 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 TLDSB ON-SITE STAFF WITH A KEY FOR ACCESS TO THE WORK SITE(S) AT ALL TIMES.

11. WASHROOM ACCESSORIES. IN GENERAL ALL WASHROOM ACCESSORIES TO BE REMOVED UNLESS OTHERWISE NOTED.



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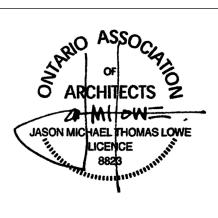
Dunsford District Elementary School Washroom Renewal 2021

Dunsford, Ontario

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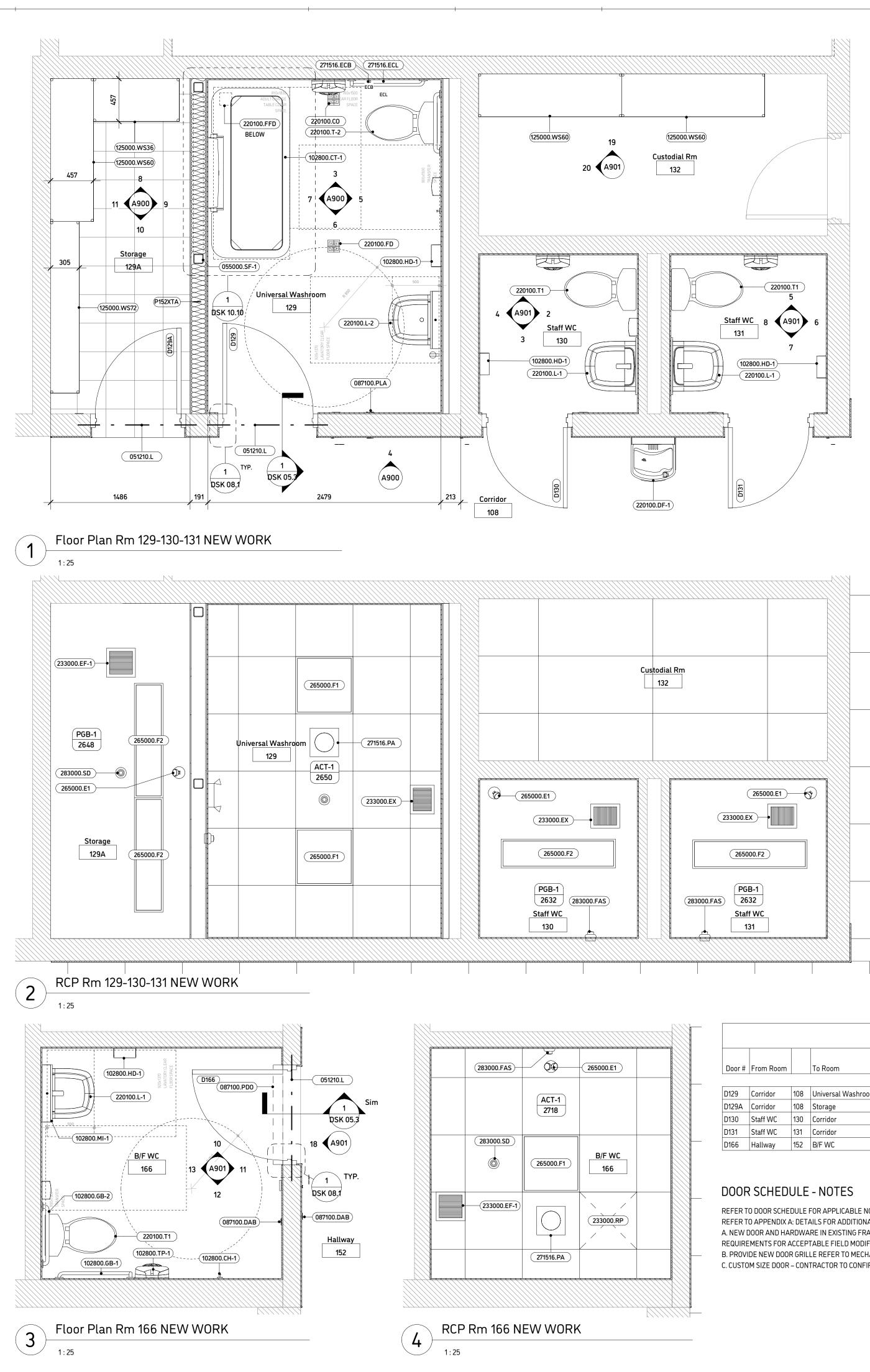
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Revisions

Title

DEMOLITION





Keynote Legend						
Key Value	Keynote Text					
-						
051210.L	New lintel - refer to structural					
055000.SF-1	Change table support frame. Refer to structural drawings.					
087100.DAB	Door Actuator Button [Refer also to Electrical]					
087100.PD0	Power Door Operator with hold open function. [Refer also to Electrical]					
087100.PLA	Combined Push to lock and Door Actuator button [Refer als to Electrical]					
102800.CH-1	Coat Hook					
102800.CT-1	Change Table					
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.TP-1	Toilet Paper Holder					
125000.WS36	Wire Shelving 36"x 72"					
125000.WS60	Wire Shelving 60"x 72"					
125000.WS72	Wire Shelving 72"x 72"					
220100.DF-1	Drinking Fountain DF-1					
220100.L-1	Lavatory					
220100.L-2	Lavatory					
220100.T1	Toilet T-1					
220100.T-2	Toilet T-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.F1	F1 Light Fixture Refer to Electrical					
265000.F2	F2 Light Fixture Refer to Electrical					
271516.ECB	Emergency Call Button [Refer also to Electrical]					
271516.ECL	Emergency Call Light [Refer also to Electrical]					
271516.PA	Public Address Speaker					
283000.FAS	Fire Alarm Strobe					
283000.SD	Fire Alarm Smoke Detector					

	Door Schedule															
					Door						Fram	е				
Door #	From Room		To Room		Туре	Width	Height	Thickness	Material	Finish	Туре	Material	Finish	Hardware	Fire Rating	Comments
D129	Corridor	108	Universal Washroom	129	D1	965	2134	45	НМ	PME	F1	WPSF	PME	HG #2	45 MIN	В
D129A	Corridor	108	Storage	129A	D2	914	2134	45	НМ	PME	F1	WPSF	PME	HG #4	45 MIN	Door undercut required see Mechanical- max 19mm undercut allowed per NFPA 80.
D130	Staff WC	130	Corridor	108	D1	864	2134	45	НМ	PME	F1	WPSF	PME	HG #5	45 MIN	A, B
D131	Staff WC	131	Corridor	108	D1	864	2134	45	НМ	PME	F1	WPSF	PME	HG #5	45 MIN	A, B
D166	Hallway	152	B/F WC	166	D1	965	2134	45	НМ	PME	F1	WPSF	PME	HG #2A	45 MIN	В

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.

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.

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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.



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Dunsford District Elementary School Washroom Renewal 2021

Dunsford, Ontario

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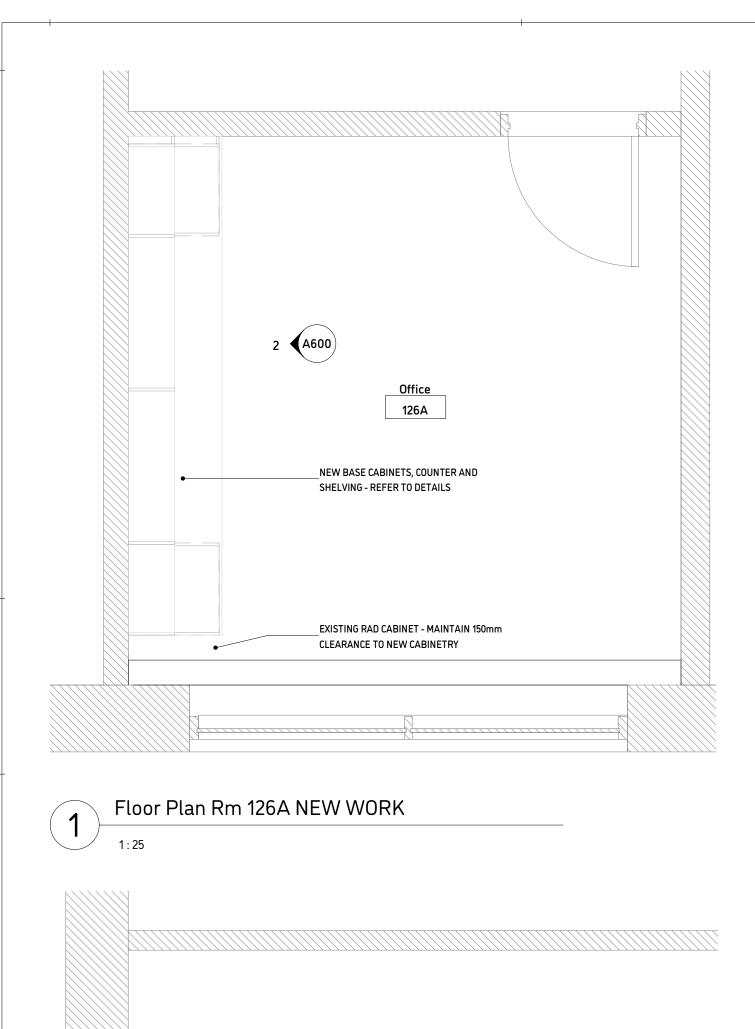
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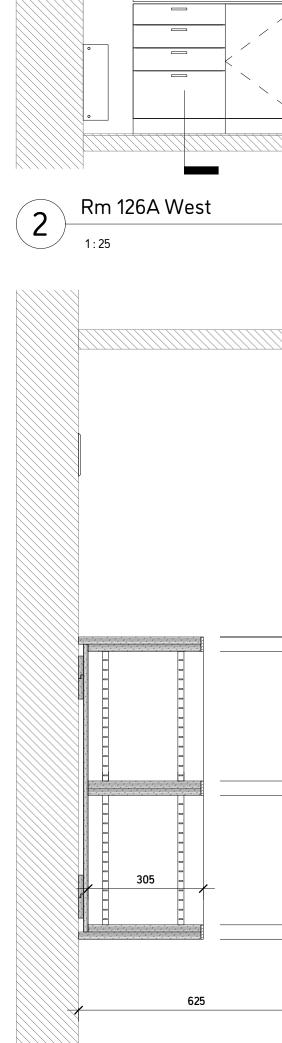
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Revisions

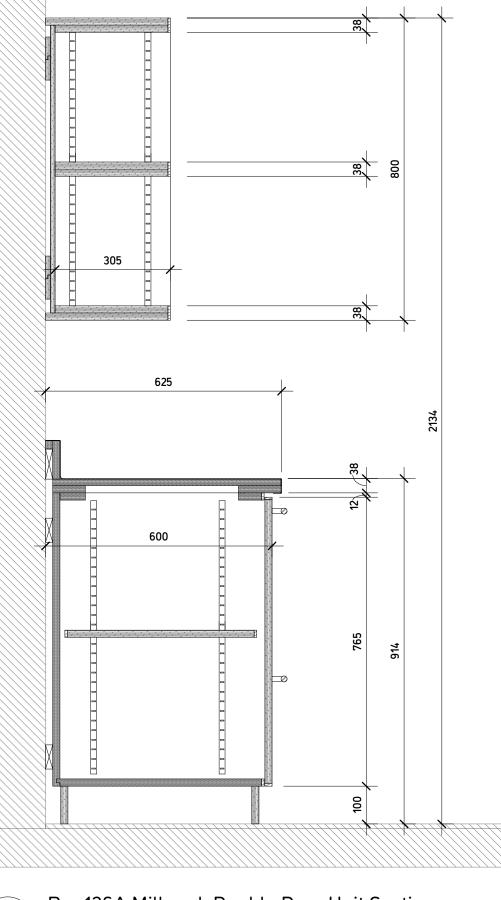
Title Floor Plan NEW WORK

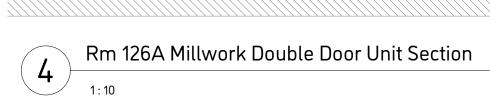


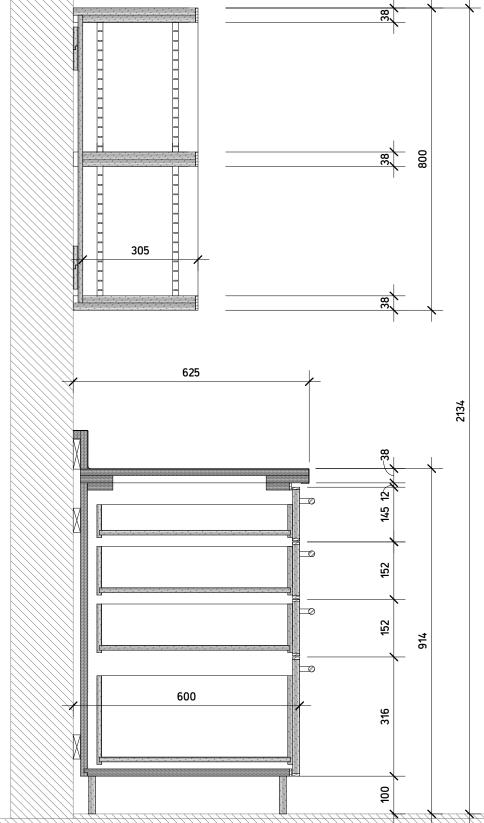




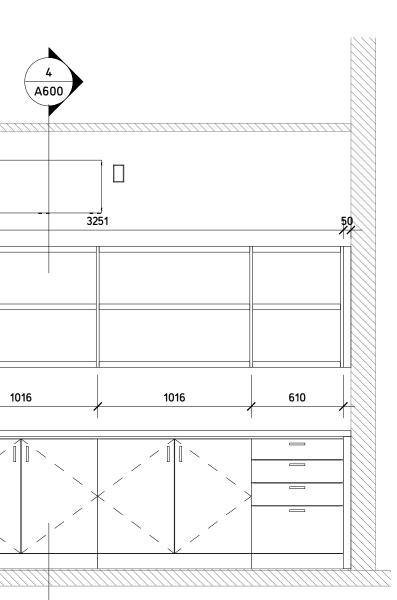
610







3 Rm 126A Millwork Drawer Unit Section



MILLWORK - GENERAL NOTES

1. REFER TO APPENDIX A: DSK 06 SERIES FOR TLDSB STANDARD MILLWORK DETAILS.

2. ALL PLUMBING FIXTURES, FIRE SUPPRESSION SYSTEMS AND ELECTRICAL TO BE COORDINATED WITH APPROPRIATE TRADES. NO EXPOSED PIPING, CONDUIT OR WIRING TO BE VISIBLE.



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

Dunsford District **Elementary School** Washroom Renewal 2021

Dunsford, Ontario

TENDER and **BUILDING PERMIT**

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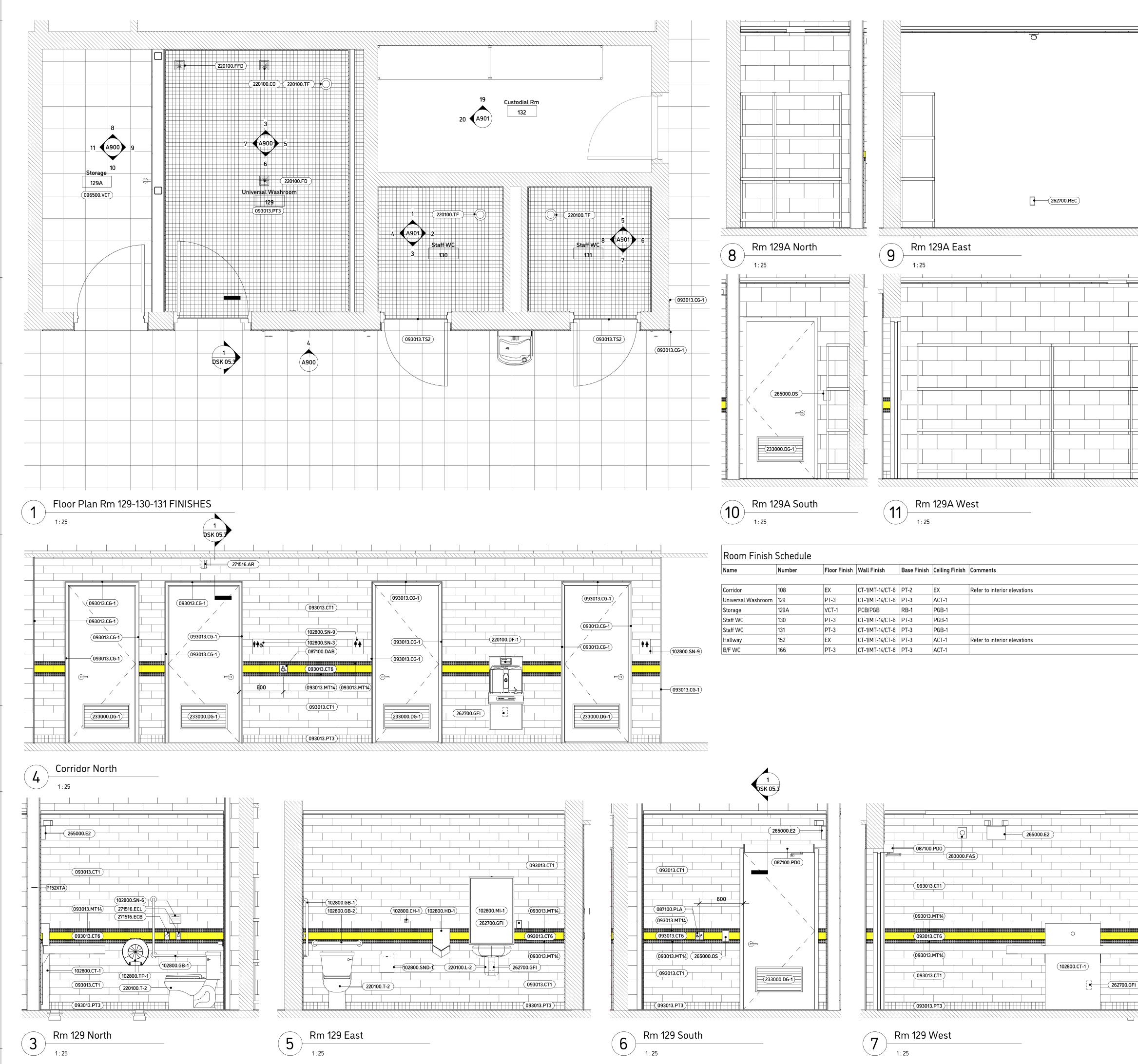
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Revisions

Title Rm 126A MILLWORK







Room Finish Schedule

Hume	Number	1 1001 1 111311	vvac i misn	Duscrimin	centing r mish	comments
Corridor	108	EX	CT-1/MT-14/CT-6	PT-2	EX	Refer to interior elevations
Universal Washroom	129	PT-3	CT-1/MT-14/CT-6	PT-3	ACT-1	
Storage	129A	VCT-1	PCB/PGB	RB-1	PGB-1	
Staff WC	130	PT-3	CT-1/MT-14/CT-6	PT-3	PGB-1	
Staff WC	131	PT-3	CT-1/MT-14/CT-6	PT-3	PGB-1	
Hallway	152	EX	CT-1/MT-14/CT-6	PT-3	ACT-1	Refer to interior elevations
B/F WC	166	PT-3	CT-1/MT-14/CT-6	PT-3	ACT-1	

FINISHES - GENERAL NOTES

1. TILE 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 SPECIFICATION SECTION 01 31 19 FOR FURTHER INFORMATION.

2. KEYNOTE NUMBERS RELATE TO THE SPECIFICATION SECTIONS - REFER TO APPRORIATE SPECIFICATION SECTION FOR FURTHER INFORMATION.

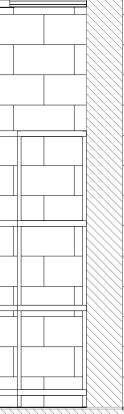
3. FIXTURES AND ACCESSORIES HAVE BEEN REMOVED FROM VIEW IN FINISH PLANS FOR CLARITY. REFER TO FLOOR PLANS FOR FURTHER INFORMATION.

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.

7. FOR TYPICAL TOILET STALL ACCESSORIES REFER TO APPENDIX A: DETAILS.



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Key Value	Keynote Text
	1
087100.DAB	Door Actuator Button [Refer also to Electrical]
087100.PD0	Power Door Operator with hold open function. [Refer also to Electrical]
087100.PLA	Combined Push to lock and 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.CT6	Ceramic Wall Tile 100x400 Citron Bright
093013.MT14	Glass Mosaic Tile 25x25 Slate
093013.PT3	Porcelain Tile Tile 50x50 Black Fleck
093013.TS2	Transition Strip TS2. See details in Appendix A.
096500.VCT	Vinyl Composite Tile
102800.CH-1	Coat Hook
102800.CT-1	Change Table
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.SN-3	Sign Universal Washroom
102800.SN-6	Unisex Staff Washroom
102800.SN-9	
102800.SND-1	Sanitary Napkin Disposal
102800.TP-1	Toilet Paper Holder
220100.DF-1	Drinking Fountain DF-1
220100.L-2	Lavatory
220100.T-2	Toilet T-2
220100.TF	Toilet Flange in tile
233000.DG-1	Door Grille. Refer to Mechanical for size.
262700.GFI	GFI receptacle - Refer to electrical.
262700.REC	Receptacle
265000.E2	E2 Emergency Light Fixture w/ Battery Unit Refer to Electrical
265000.OS	Occupancy Sensor
271516.AR	Assistance required lighted sign
271516.ECB	Emergency Call Button [Refer also to Electrical]
271516.ECL	Emergency Call Light [Refer also to Electrical]

283000.FAS Fire Alarm Strobe



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H 2B9

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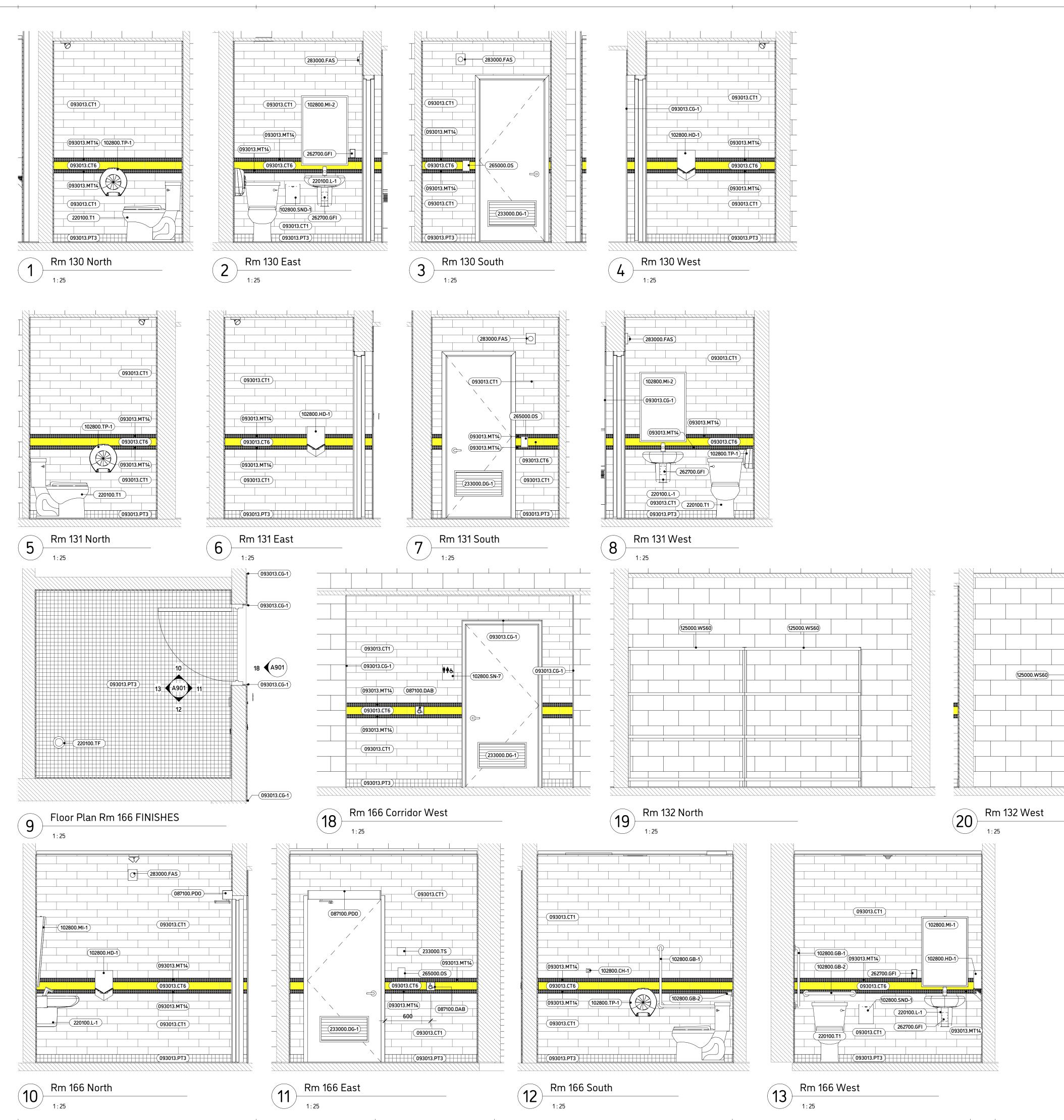
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102800.HD-1	Hand Dryer [Refer to Electrical]
102800.MI-1	24" x 36" Tilt Mirror
102800.MI-2	24" x 36" Mirror
102800.SN-7	Gender Neutral Barrier Free
102800.SND-1	Sanitary Napkin Disposal
102800.TP-1	Toilet Paper Holder
125000.WS60	Wire Shelving 60"x 72"
220100.L-1	Lavatory
220100.T1	Toilet T-1
220100.TF	Toilet Flange in tile
233000.DG-1	Door Grille. Refer to Mechanical for size.
233000.TS	Thermostat
262700.GFI	GFI receptacle - Refer to electrical.
265000.OS	Occupancy Sensor
283000.FAS	Fire Alarm Strobe



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Revisions

Title FINISHES



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 INSPECATION 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.
- PREPARE AND SUBMIT FOR APPROVAL, FULLY DETAILED AND DIMENSIONED DRAWINGS AND ERECTION DIAGRAMS, 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 \$16.1
- 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 $(1\frac{1}{2}^{"})$ OF 35 MPA (5100 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 SHORING SYSTEM ALONG THE SIDES OF THE EXCAVATION.

CONCRETE:

1.	CONCRETE IS SPECIFIED USING A	RETE IS SPECIFIED USING ALTERNATIVE NUMBER OF CSA A23.1 TABLE 2 AS FOLLO								
		EXTERIOR FOUNDATIONS	INTERIOR FLOOR SLAB							
	EXPOSED CLASS (TABLE 1)	C-1	Ν							
	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 M92, 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

- DRAWINGS).
- 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

- STANDARDS S 304.1 'DESIGN OF MASONRY STRUCTURES', LATEST EDITION.
- 3. LINTELS OVER ALL OPENINGS IN NON LOAD BEARING MASONRY WALLS, UNLESS OTHERWISE SHOWN ON STRUCTURAL DRAWINGS.
- MPa CONCRETE, CENTERED UNDER EACH BEAM AND JOIST BEARING PLATE.
- 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
- 9. PROVIDE HORIZONTAL REINFORCING AT EVERY 2nd BLOCK COURSE USING HEAVY DUTY BLOCK-LOC LADDER REINFORCING.

REINFORCED MASONRY PIERS

OPENING _d	
MP1	1 CORE BI AND REIN TYPICAL A

MASONRY

- ELECTRICAL SERVICES OR EQUIPMENT, PROVIDE AND INSTALL MASONRY OR STEEL LINTELS IN ACCORDANCE WITH THE REQUIREMENTS OF THE LINTEL SCHEDULE
- STRUCTURAL COMPONENTS NOT SHOWN ON STRUCTURAL DRAWINGS.
- 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 LINTELS AND FOR MINIMUM OF 200MM (8") PAST BEARING PLATE EACH SIDE.
- 6. PROVIDE A MINIMUM OF 38MM $(1^{1"}_{2})$ 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.
- MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 10 MPa.
- 10. THE MASONRY WIRE REINFORCING SHALL CONFORM TO CSA A370-04.
- A370-04
- WRITTEN APPROVAL OF THE ENGINEER.
- AT ALL WALL INTERSECTIONS. REINFORCING TO BE HOT DIP GALVANIZED AT ASTM A 153 CLASS B2. LONGITUDINAL WIRES TO BE 4.76MM $\left(\frac{3}{16}\right)$ DIAMETER, AND DIAGONAL WIRES TO BE 3.66MM DIAMETER (9 GA).
- 600MM O.C. (PLATE 1¹/₂" X ³/₁₆" X 21", 2" HOOKS AT 24") UNLESS NOTED.
- 17. PROVIDED LINTELS PER LINTEL SCHEDULE.
- 18. VERTICAL REINFORCING SHALL BE CONTINUOUS. LAB BARS 450MM (18")
- 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

- NOTED OTHERWISE.
- BY THE ENGINEER PRIOR TO THE COMMENCING OF WORK.
- 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 WORD 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

3. THE LUMBER WAS DESIGNED FOR A MOISTURE CONTENT GREATER THAN 15% AT THE TIME OF

2. THE DESIGN OF THE BEAMS, COLUMNS AND LINTELS IS BASED ON THE LIMIT STATES DESIGN SPECIFIED UNDER CSA STANDARD 086. ANY SUBSTITUTIONS OF SPECIES, GRADE OR GROUP MUST BE APPROVED

1. THE STRUCTURAL TIMBER AND LUMBER SHALL BE NO. 1 OR 2 GRADE SPECIES SPF OR BETTER UNLESS

19. REINFORCE ALL OPENINGS THROUGH MASONRY WALLS WITH TWO (2) 15M VERTICAL BARS EACH SIDE

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

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"

11. MASONRY VENEER CONNECTORS SHALL CONFORM TO AN BE INSTALLED IN ACCORDANCE WITH CSA 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

8. ALL MASONRY GROUT SHALL CONFORM TO CA/CSA A179-04 AND SHALL BE FINE TYPE GROUT WITH A 9. THE CONCRETE BLOCK SHALL CONFORM TO CSA STANDARD CAN3-A165 SERIES-04

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.

2. OBTAIN THE ENGINEERS'S PERMISSION FOR ALL OPENINGS, SLEEVES, AND SLOTS THROUGH 3. WHERE DOWELS, ANCHOR BOLTS, ETC., ARE SHOWN PROJECTING INTO MASONRY, GROUT THESE TIGHT

1. OVER ALL OPENING AND RECESSES IN MASONRY WALLS, INCLUDING THOSE FOR MECHANICAL AND

ALL OPENINGS

ESIDE OPENING FILLED SOLID INFORCED WITH 15M REBAR MP2

8. LOAD BEARING AND NON-LOAD BEARING WALLS TYPE S MORTAR 12.5 MPa

6. MINIMUM BEAM BEARING PLATE UNLESS NOTED FOR JOIST OR BEAM SUPPLIED BY STEEL FABRICATOR

5. PROVIDE MINIMUM OF 2 COURSES OF 100% FILLED SOLID BLOCK 16" LONG MINIMUM FILLED WITH 20

4. ALL STEEL LINTELS TO HAVE MINIMUM OF 150MM (6") BEARING ON EACH SIDE OF OPENING.

OTHERWISE SPECIFIED. PROVIDE MASONRY BLOCK WITH A MINIMUM COMPRESSIVE STRENGTH OF 15

2. ALL CONCRETE MASONRY UNITS SHALL CONFORM TO CAN/CSA A165 SERIES-04 EXCEPT WHERE

1. ALL MASONRY WORK SHALL CONFORM TO NATIONAL BUILDING CODE LATEST EDITION AND CSA

2. ALL CONCRETE ANCHORS TO BE COMPLETE WITH HOT DIPPED GALVANIZED FLAT WASHERS, NUTS, LOCK

1. ALL CONCRETE ANCHORS TO BE HILTI HAS ROD HOT DIPPED GALVANIZED (DIAMETER AS NOTED ON

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 $(3\frac{1}{2}")$ LONG NAILS FOR 140MM $(5\frac{1}{2}")$ DEPTH.

10. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

FABRICATION DRAWINGS IN A TIMELY MANNER.

A. REINFORCING STEEL

C. STRUCTURAL STEEL

ARE UNDERTAKEN DURING THE COURSE OF WORK:

1. COMPACTION TESTING AS SPECIFIED ON THE DRAWINGS

3. CONCRETE TESTING IN ACCORDANCE WITH CSA A23.1 AND A23.2.

2. REBAR INSPECTION PRIOR TO CONCRETE PLACEMENT.

CONTACT TULLOCH ENGINEERING TO OBTAIN PRICING.

B. CONCRETE MIX DESIGN

3. THE FOLLOWING SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW:

OF A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO.

THE GENERAL CONTRACTOR.

DRAWING

RETAINED BY THE ENGINEER.

MATERIALS TESTING AND INSPECTION

FINAL CLEAN UP

THE BUILDING.

SUBMITTALS

MANUFACTURER MUST DESIGN THE TRUSSES TO SUIT THE BEARING WIDTH.

- 2 ROWS OF 90MM ($3\frac{1}{2}$ ") LONG NAILS FOR GREATER DEPTH.

13. SPIKE AND GLUE BUILD-UP POSTS @22-MM ($8\frac{1}{2}$ ") 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.

9. PROVIDE STANDARD JOIST HANGERS AS REQUIRED BY SIMPSON, RSC OR APPROVED EQUIVALENT.

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE SUBMITTAL OF ALL REQUIRED SHOP OR

2. ALL STRUCTURAL SUBMITTALS SUBMITTED FOR REVIEW MUST FIRST BE REVIEW BY AND STAMPED BY

4. WHERE NOTED IN THE ABOVE TABLE, STRUCTURAL SUBMITTALS SHALL BEAR THE SEAL AND SIGNATURE

5. ALL STRUCTURAL SUBMITTALS WILL BE REVIEWED BY THE ARCHITECT AND THE ENGINEER SOLELY FOR

6. ALL SUBMITTALS SHALL CONSIST OF ONE ELECTRONIC PDF COPY OR FOUR PRINTS. ONE COPY WILL BE

THE CONTRACTOR SHALL INCLUDE COSTS TO ENSURE THAT THE FOLLOWING QUALITY CONTROL ACTIVITIES

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.

RESPONSIBLE TO SWEEP, WIPE AND POWER WASH ALL SURFACES ON THE INTERIOR AND EXTERIOR OF

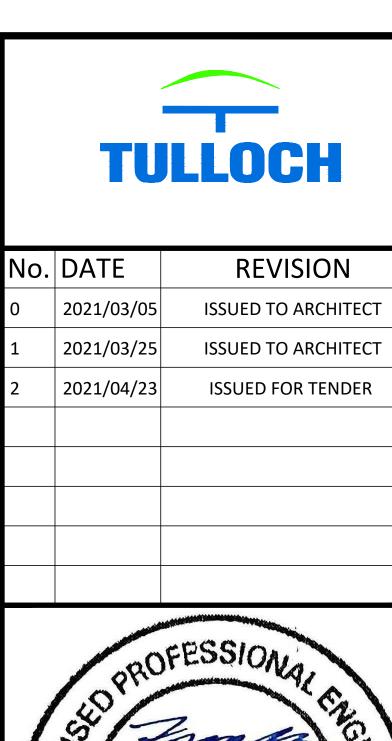
2. AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES, THE BUILDING CONTRACTOR SHALL BE

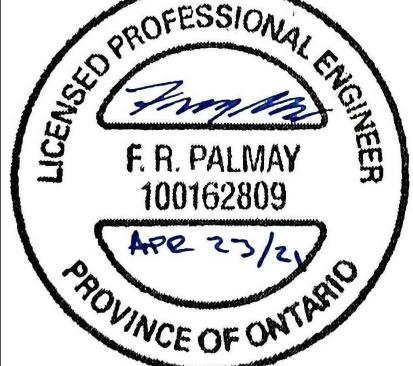
THE CONFORMANCE WITH THE DESIGN INTENT AND THE CONSTRUCTION DOCUMENTS.

P.ENG. SEAL

NO

NO

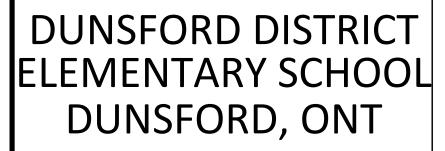






TLDSB 1271 CEDAR LANE BRACEBRIDGE, ONT

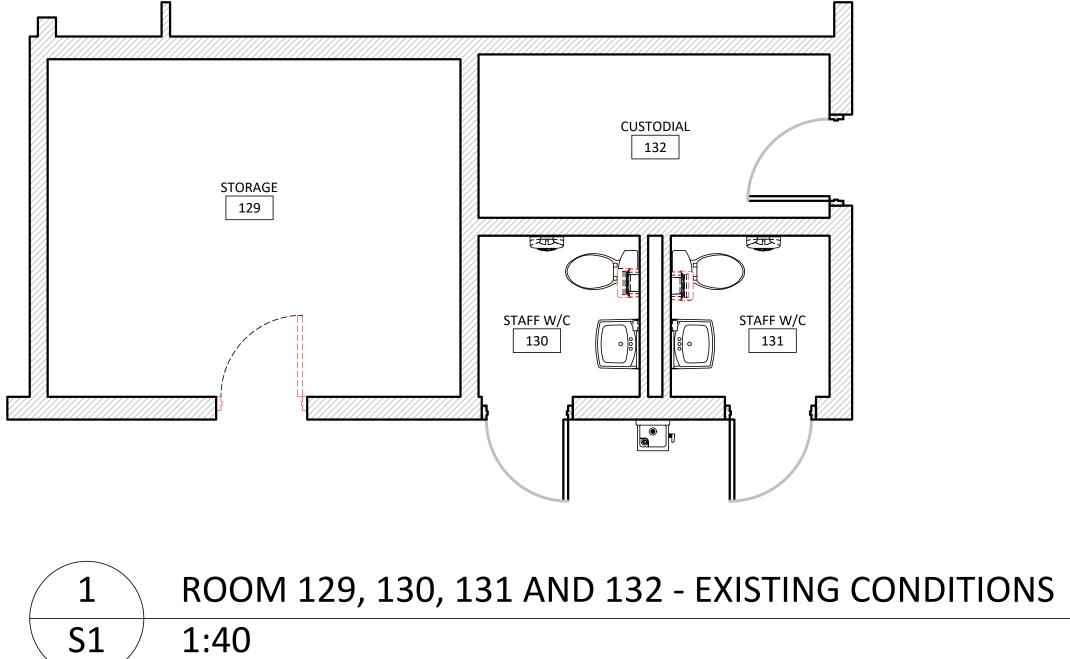
PROJECT ADDRESS:

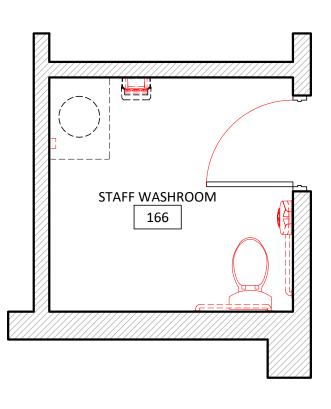


DRAWING TITLE:

STRUCTURAL **UPGRADES & REPAIRS GENERAL NOTES**

DRAWN	DES	IGNED	CHECKE	D	APPROVED		
HD		FP	FP FP				
SCALE			DATE (M/D/Y)				
AS N	ED	2021/03/03					
PROJECT No. REVISIO			N	DRA	WING		
20-1636)		G1		



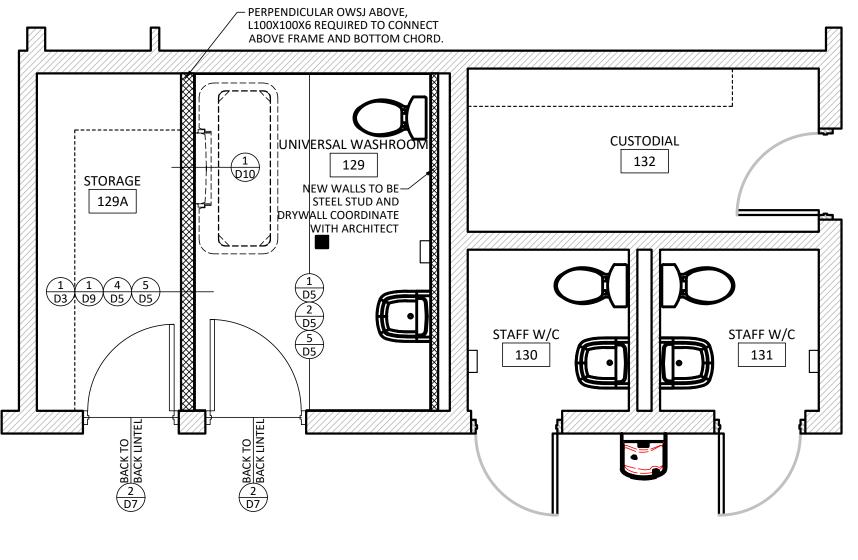


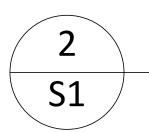
1:40

3

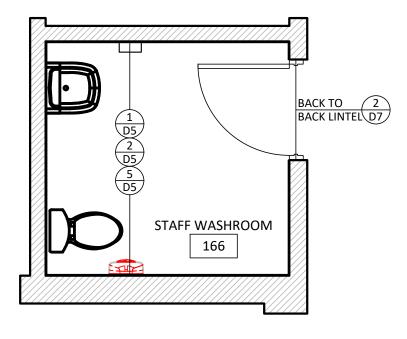
S1

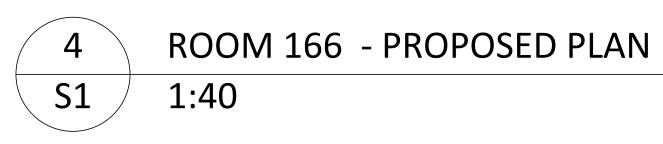
ROOM 166 - EXISTING CONDITIONS





ROOM 129, 130, 131 AND 132 - PROPOSED PLAN 1:40







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 REPORT.

PLUMBING FIXTURE SPECIFICATION

<u>'T-1', FLOOR MOUNTED TOILET - VITREOUS CHINA - TANK TYPE</u>

AMERICAN STANDARD CADET FLOWISE ELONGATED PRESSURE-ASSISTED #2462.100 TOILET, 381 MM HIGH, VITREOUS CHINA WITH EVERCLEAN SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA MOLD AND MILDEW, WHITE FINISH, FLOOR MOUNTED, CADET FLUSHING SYSTEM WITH POWERWASH RIM SIPHON FLUSHING SYSTEM WHICH SCRUBS BOWL WITH EVERY FLUSH, 4.2 L (1.1 US GAL) PER FLUSH, 305 MM X 254 MM (12" X 10") WATER SURFACE, TWO PIECE, 'SPEED CONNECT' TANK ASSEMBLY, LINED TANK, 305 MM (12") ROUGH-IN, ELONGATED BOWL, 54 MM (2-1/8") FULLY GLAZED INTERNAL TRAPWAY, FLOOR OUTLET, BOLT CAPS. PROVIDE BOLTED TANK COVER IF REQUIRED. CENTOCO #820STS.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 MCGUIRE #LFH172BV TOILET SUPPLY, 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") LONG RIGID HORIZONTAL INTEGRAL COPPER SWEAT TUBE NIPPLES, COMBINATION V.P. LOOSE KEY HANDLES, ESCUTCHEON AND FLEXIBLE COPPER RISERS. PROVIDE FLOOR FLANGE, (SAME MATERIAL AS THE CONNECTING PIPE DRAIN), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET.

<u>'T-2', FLOOR MOUNTED TOILET - VITREOUS CHINA - TANK TYPE - BARRIER FREE</u>

AMERICAN STANDARD CADET FLOWISE RIGHT-HEIGHT ELONGATED PRESSURE-ASSISTED #2467.100 TOILET, 419 MM HIGH, VITREOUS CHINA WITH EVERCLEAN SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA MOLD AND MILDEW, WHITE FINISH, FLOOR MOUNTED, CADET FLUSHING SYSTEM WITH POWERWASH RIM SIPHON FLUSHING SYSTEM WHICH SCRUBS BOWL WITH EVERY FLUSH, 4.2 L (1.1 US GAL) PER FLUSH, 305 MM X 254 MM (12" X 10") WATER SURFACE, TWO PIECE, 'SPEED CONNECT' TANK ASSEMBLY, LINED TANK, 305 MM (12") ROUGH-IN, ELONGATED BOWL, 54 MM (2-1/8") FULLY GLAZED INTERNAL TRAPWAY, FLOOR OUTLET, BOLT CAPS. PROVIDE BOLTED TANK COVER IF REQUIRED. CENTOCO #820STS.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 MCGUIRE #LEFI172BV TOILET SUPPLY. 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") LONG RIGID HORIZONTAL INTEGRAL COPPER SWEAT TUBE NIPPLES, COMBINATION V.P. LOOSE KEY

'L-1', WALL MOUNTED LAVATORY, INFRARED SENSOR OPERATED, 15A PLUG

ALL BRASS BOLTS AND WITH RUBBER GASKET.

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 BASYS #EFX-200 ELECTRONIC 'NO TOUCH' FAUCET, CHROME PLATED FINISH, CENTER HOLE ONLY, DIE 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, LPM) MULTI-LAMINAR, BACK UP ALKALINE BATTERY PROVIDED, BUX MOUNT. SLOAN #BDT, THERMOSTATIC MILING VALVE, SUCH DIMETAL (DROINLE, 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 #LFH170BV, 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 #8872CB P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WATER TO HOT STOLE ALL CARPIER CONCEALED AND STABLE 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

- 'L-2', BARRIER FREE 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)

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.

SLOAN BASYS #EFX-200 ELECTRONIC 'NO TOUCH' FAUCET, CHROME PLATED FINISH, CENTER HOLE ONLY, DIE 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, ADÁPTORS 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 #LFH170BV, 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 #8872CB 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 EZH20 BOTTLE FILLING STATION WITH SINGLE ADA COOLER, MODEL LZO8WSSK, WALL HUNG WATER COOLER, SINGLE-LEVEL, CHILLING CAPACITY OF 8.0 ELKAY EZH20 BOTTLE FILLING STATION WITH SINGLE ADA COOLER, MODEL L208WSSK, 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 #LFHSTLK 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 FET.

.6 '<u>FD', FLOOR DRAIN</u>

WATTS #FD-100-C-L5-1-5-6-7 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 -L5-1 5" X 5" (127 MM X 127 MM) NICKEL BRONZE, HÉAVY DUTY, SQUARÉ STRAINER. VERIFY EXISTING SANITARY CONNECTION SIZE FOR NEW FLOOR DRAIN REPLACE EXISTING.

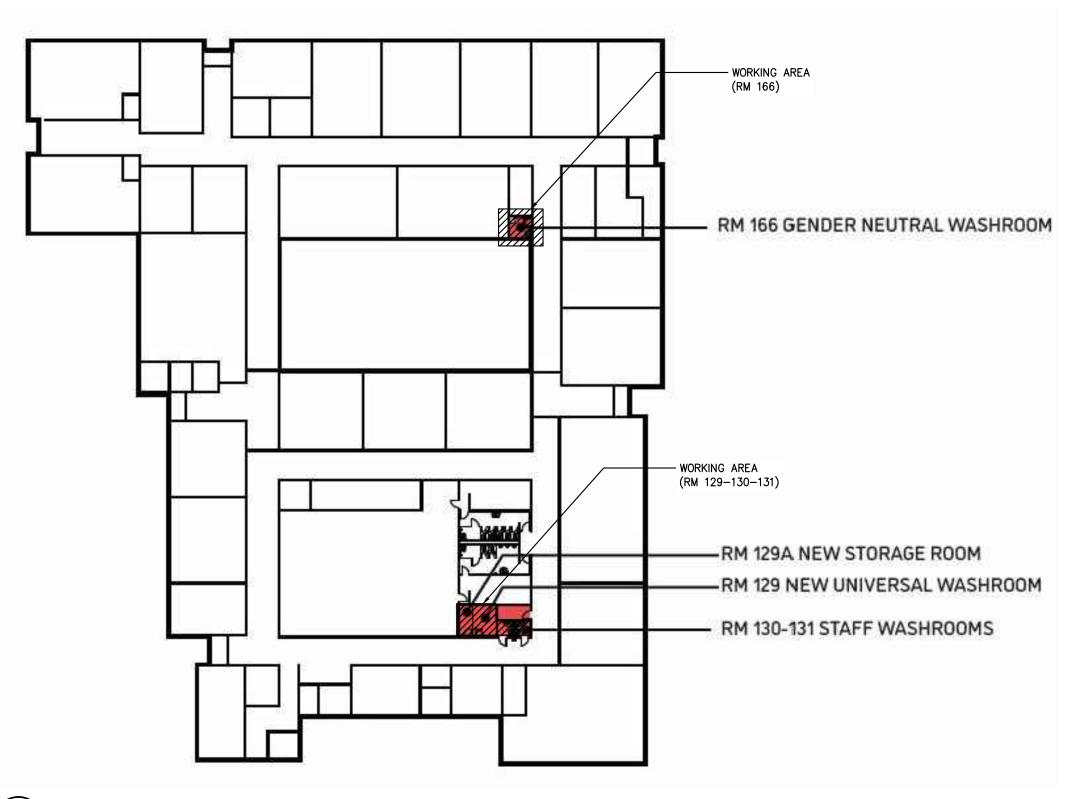
'FFD', FLOOR DRAIN WITH FUNNEL

WATTS #FD-100-C-L5-1-5-6-7 FLOOR DRAIN WITH NICKEL BRONZE FUNNEL - 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 -L5-1 5" X 5" (127 MM X 127 MM) NICKEL BRONZE, HEAVY DUTY, SQUARE STRAINER. VERIFY EXISTING SANITARY CONNECTION SIZE FOR NEW FLOOR DRAIN REPLACE

.8 '<u>CO', CLEANOUT</u>

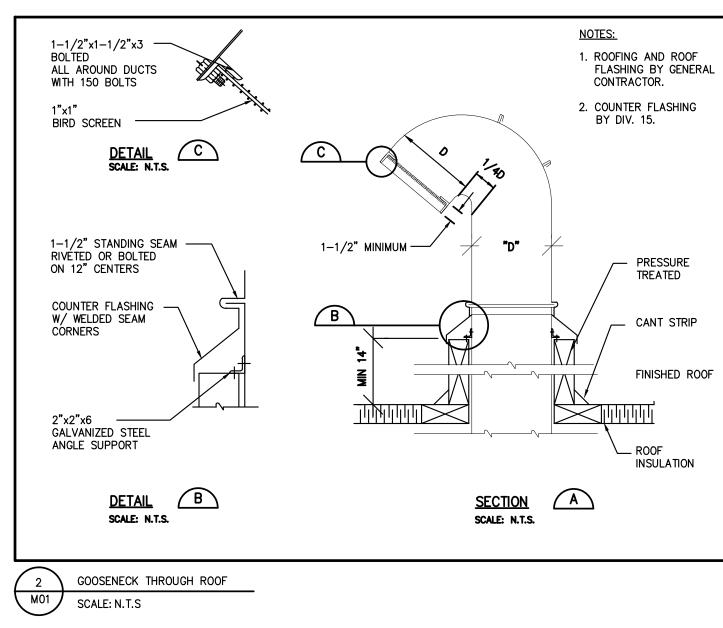
WATTS #CO-200-S CLEANOUT - EPOXY COATED, CAST IRON BODY, 5-1/8" (130 MM) SQUARE ADJUSTABLE GASKETED HEAVY DUTY NICKEL BRONZE TOP, ABS PLUG WITH NEOPRENE GASKET, VANDAL PROOF, NO HUB OUTLET.

HANDLES, ESCUTCHEON AND FLEXIBLE COPPER RISERS. PROVIDE FLOOR FLANGE, (SAME MATERIAL AS THE CONNECTING PIPE DRAIN), WITH



 1
 KEY PLAN

 M01
 SCALE: N.T.S



	PLUMBING FIXTURE SCHEDULE									
TYPE	FIXTURE	D.H.W.	D.C.W.	VENT	SANITARY	NOTES				
T-1	TOILET	-	3/4"	1-1/2"	3"	FLOOR MOUNTED, TANK TYPE, 1.6 GPF				
T-2	TOILET	-	3/4"	1-1/2"	3"	BARRIER FREE, FLOOR MOUNTED, TANK TYPE, 1.6 GPF				
L-1	LAVATORY	1/2"	1/2"	1-1/4"	1-1/4"	WALL MOUNTED, NO-TOUCH FAUCET, 0.5 GPM				
L-2	LAVATORY	1/2"	1/2"	1-1/4"	1-1/4"	BARRIER FREE, WALL MOUNTED, NO-TOUCH FAUCET, 0.5 GPM				
DF-1	DRINKING FOUNTAIN	-	1/2"	1-1/4"	1-1/4"	BARRIER FREE, HANDS-FREE, SINGLE LEVEL				

			FAN							
UNIT No.	MANUFACTURER		FLOW RATE (CFM)	ESP (IN. W.C)	TYPE	MC RPM	DTOR WATT	V/PH/HZ	CONTROL	REMARKS
EF-1	GREENHECK	SP-B110	90	0.5	CEILING FAN	-	10	115/1/60	MANUAL SWITCH	NOTE 1, 2
EF-2	GREENHECK	CSP-A125	60	0.375	INLINE FAN	_	21	115/1/60	MANUAL SWITCH	NOTE 1, 2

MECHANICAL DRAWING LIST

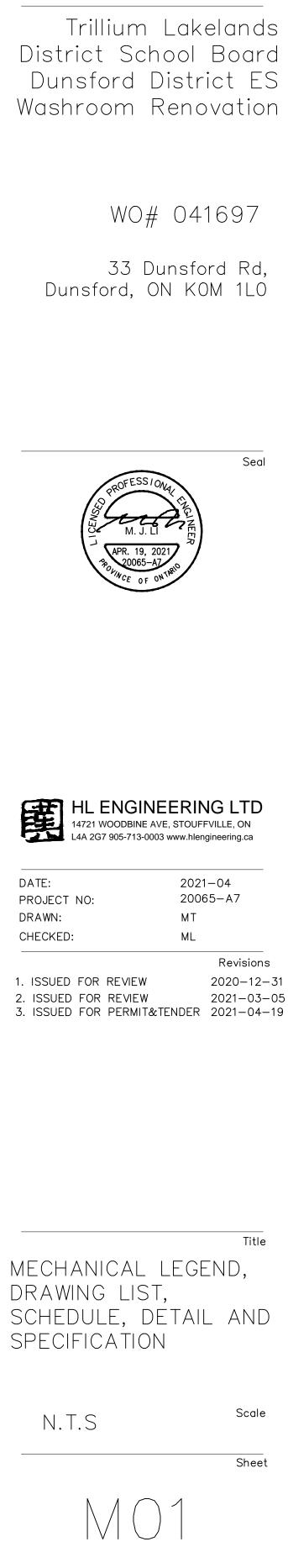
DWG. NO.	DRAWNG TITLE
M01	MECHANICAL LEGEND, DRAWING LIST, SCHEDULE, DETAIL AND SPECIFICATION
M02	MECHANICAL PLAN - RM 129/130/131
M03	MECHANICAL PLAN - RM 166

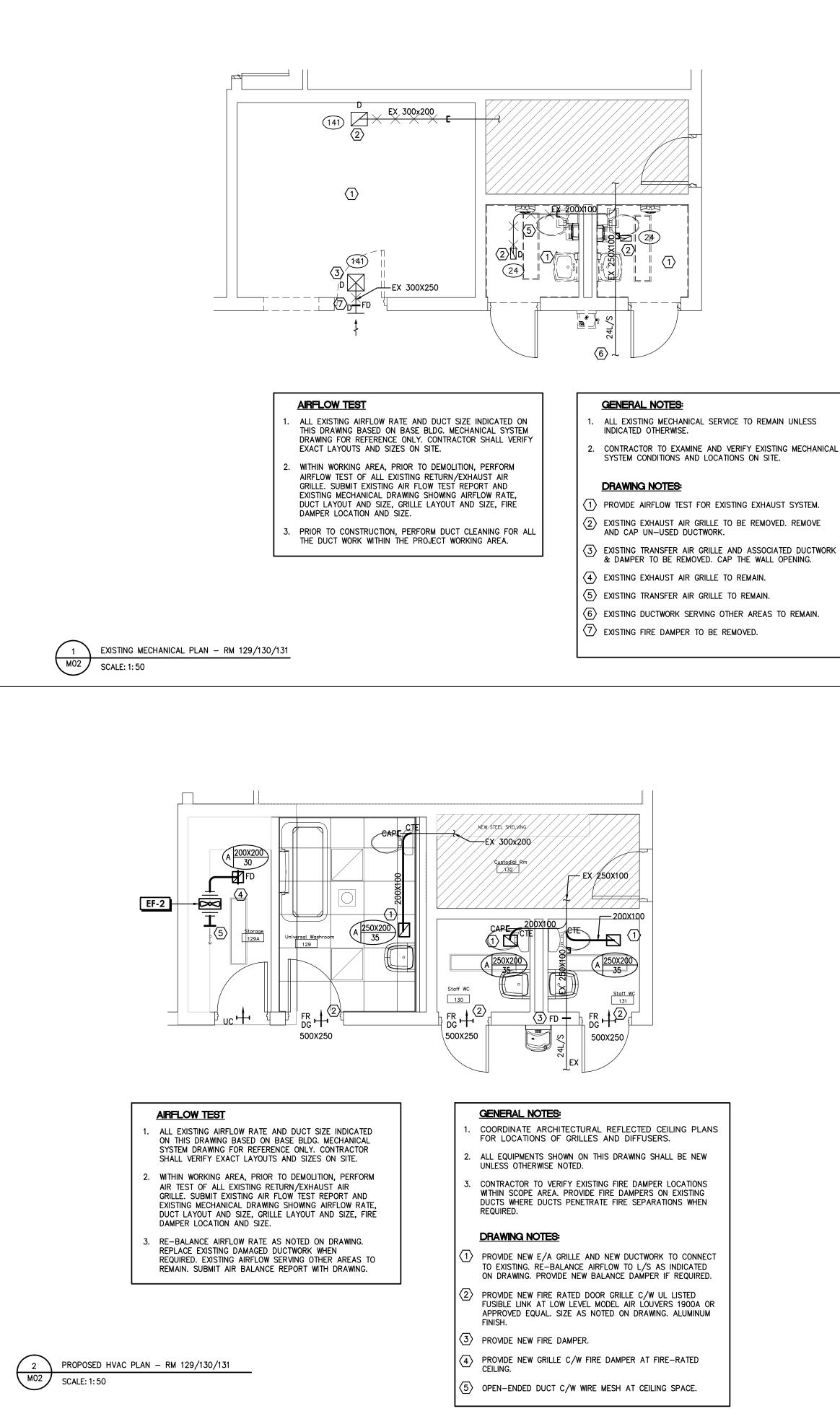
	HVAC LEGEND
SYMBOL	DESCRIPTION
	DUCTWORK (SINGLE LINE)
	FLEXIBLE DUCT
**************************************	CONTROL WIRE
	POSITIVE PRESSURE DUCT UP
	RETURN/EXHAUST DUCT UP
	SUPPLY DUCT DOWN
	RETURN/EXHAUST DUCT DOWN
	THERMOSTAT
TS	TIME SWITCH
DG	DOOR GRILLE
uc I-	DOOR UNDERCUT
	BALANCING DAMPER
	FIRE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

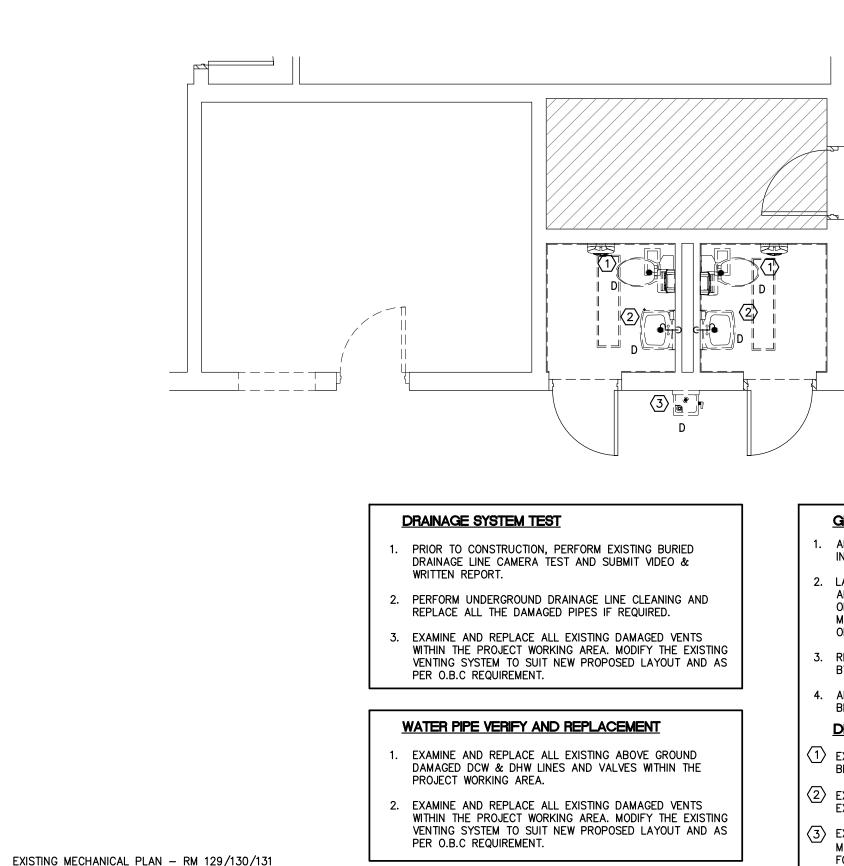
	PLUMBING LEGEND					
SYMBOL	DESCRIPTION					
	DOMESTIC COLD WATER (DCW)					
	DOMESTIC HOT WATER (DHW)					
	DOMESTIC HOT WATER RECIRCULATION (DHWR)					
	BURIED SANITARY DRAIN OR IN CEILING SPACE/FLOOR BELOW					
	SUSPENDED SANITARY DRAIN					
——————————————————————————————————————	BURIED STORM DRAIN OR IN CEILING SPACE/FLOOR BELOW					
	SUSPENDED STORM DRAIN					
	CLEANOUT PLUG					
00 00 	FLOOR CLEANOUT					
	VALVE SHUT-OFF					
	CAPPED CONNECTION					
🖨 FD 🔂 FD	FLOOR DRAIN					
OHD 🔁 HD	HUB DRAIN					
i	PIPE CUT					
	PIPE DOWN					
o	PIPE UP					
	SANITARY ROUGH-IN					

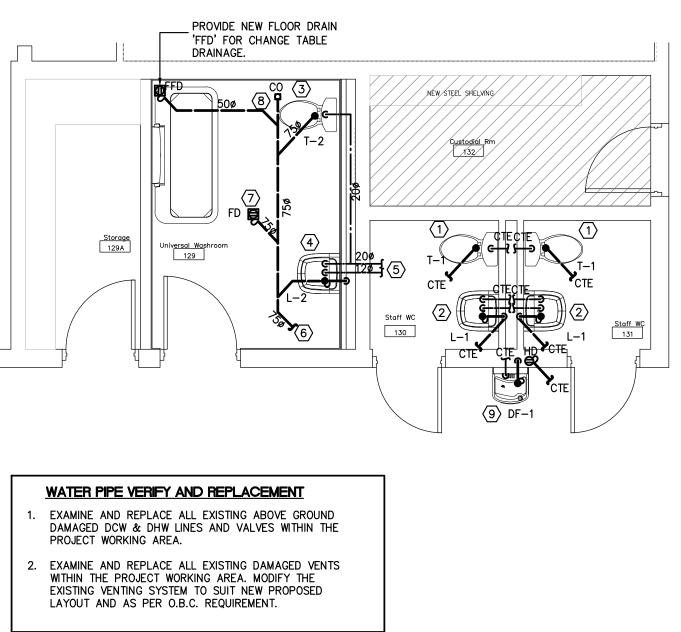
ABBREVIATIONS					
ABBREV.	DESCRIPTION				
DN	DOWN				
S/A	SUPPLY AIR				
R/A	RETURN AIR				
E/A	EXHAUST AIR				
F/A	FRESH AIR				
RWL	RAIN WATER LEADER				
NIC	NOT IN CONTRACT				
AFF	ABOVE FINISHED FLOOR				
CTE	CONNECT TO EXISTING				
RE	DENOTES EXISTING DEVICE(S) IN RELOCATED POSITION				
R	DENOTES EXISTING DEVICE(S) TO BE RELOCATED				
D	DENOTES EXISTING DEVICE(S) TO BE REMOVED				
EX	DENOTES EXISTING DEVICE(S) TO REMAIN				
Ν	DENOTES PROVIDE NEW DEVICE(S)				
$\langle 1 \rangle$	DENOTES DRAWING REFERENCE NOTES # 1				
\rightarrow	EXISTING SERVICES OR EQUIPMENTS TO BE REMOVED				
R	EXISTING SERVICES OR EQUIPMENTS TO BE RELOCATED				
X- M001	REFER TO DETAIL No. ON DRAWING No.				











DRAINAGE SYSTEM TEST

WRITTEN REPORT.

PER O.B.C REQUIREMENT.

SCALE: 1: 50

M02

M02

SCALE: 1: 50

PRIOR TO CONSTRUCTION, PERFORM EXISTING BURIED

DRAINAGE LINE CAMERA TEST AND SUBMIT VIDEO &

2. PERFORM UNDERGROUND DRAINAGE LINE CLEANING AND

3. EXAMINE AND REPLACE ALL EXISTING DAMAGED VENTS

WITHIN THE PROJECT WORKING AREA. MODIFY THE EXISTING

PROPOSED PLUMBING & DRAINAGE PLAN - RM 129/130/131

VENTING SYSTEM TO SUIT NEW PROPOSED LAYOUT AND AS

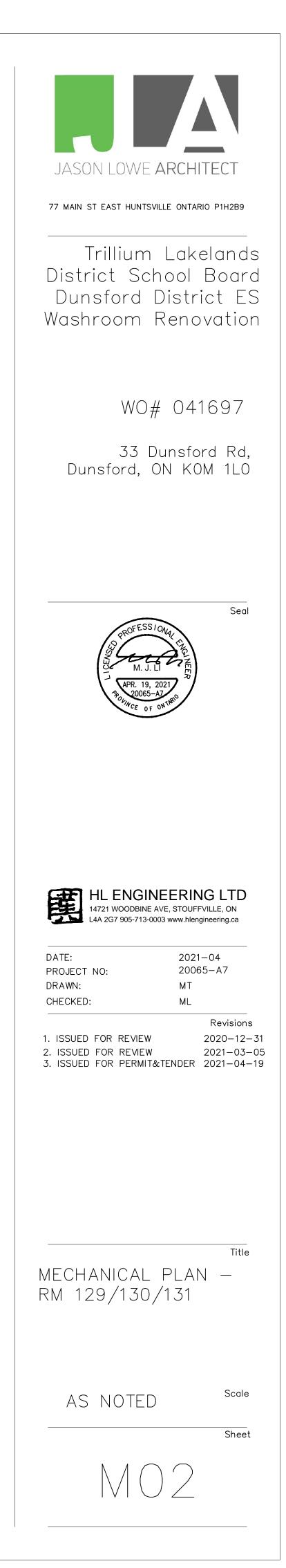
REPLACE ALL THE DAMAGED PIPES IF REQUIRED.

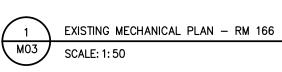
GENERAL NOTES:

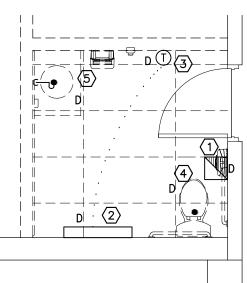
- ALL EXISTING MECHANICAL SERVICE TO REMAIN UNLESS INDICATED OTHERWISE.
- LAYOUT AND SIZE OF EXISTING PIPING SHOWN ON DRAWING ARE BASED ON BASE BUILDING DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS, INVERTS ON SITE.
- RELOCATE ALL EXISTING ACCESS PANELS WHERE AFFECTED BY THE WORK. 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 LAVATORY TO BE REMOVED. MODIFY/EXTEND EXISTING BRANCH PIPES FOR NEW LAVATORY CONNECTION.
- EXISTING DRINKING FOUNTAIN TO BE REMOVED. MODFIY/EXTEND EXISTING BRANCH PIPES FOR NEW DRINKING FOUNTAIN CONNECTION.

GENERAL NOTES:

- ALL EQUIPMENTS SHOWN ON THIS DRAWING SHALL BE NEW UNLESS OTHERWISE NOTED. ALL DOMESTIC COLD WATER AND DOMESTIC HOT WATER PIPES SHALL BE MINIMUM 200 UNLESS INDICATED OTHERWISE. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE AND CONDITION OF EXISTING WATER SUPPLY PIPING SERVING SCOPE AREA ON SITE FOR NEW CONNECTION. READ IN CONJUNCTION WITH ARCHITECTURAL PLANS FOR PLUMBING FIXTURES INSTALLATION. DOCUMENT ALL THE ACCESS PANELS LOCATIONS ON AS-BUILT DRAWINGS. PERFORM STRUCTURAL COORDINATION FOR MASONRY MODIFICATIONS. REFER TO STRUCTURAL DETAILS FOR MODIFYING OR TRENCHING THE BLOCK WALLS TO RUN NEW CONCEALED SERVICES. 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. PROVIDE INSULATION FOR ALL COLD & HOT WATER PIPING. . FOR ALL PLUMBING CONNECTIONS TO EXISTING SYSTEM INVOLVING MASONRY MODIFICATIONS, COORDINATE AND REFER TO STRUCTURAL DETAILS. 10. PROVIDE COMPLETE SANITARY VENT CONNECTION TO EXISTING VENT PIPES COMPLY WITH OBC REQUIREMENT. 1. ALL SANITARY DRAINAGE BELOW GRADE SHALL BE MINIMUM 750 UNLESS INDICATED OTHERWISE. 12. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE & INVERT OF SAN. LINES SERVING THE SCOPE AREA ON SITE FOR NEW CONNECTION. 13. 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. 14. PROVIDE NECESSARY DRAINAGE PIPE REPLACEMENT/MODIFICATION/EXTENSION FOR NEW PLUMBING FIXTURE RECONNECTION. 15. CONNECTION WORK FOR NEW PLUMBING FIXTURE DRAINAGE TO EXISTING SANITARY LINE INCLUDES TRENCHING EXCAVATION AND REPAIRING THE EXISTING FLOOR. DRAWING NOTES: 1 PROVIDE 200 DCW LINE TO NEW TOILET 'T-1' AND CONNECT 750 DRAINAGE TO EXISTING SAN. BRANCH. PROVIDE 12Ø DCW & DHW LINES TO NEW LAVATORY 'L-1' AND CONNECT 50Ø DRAINAGE TO EXISTING SAN. BRANCH. $\langle 3 \rangle$ provide 200 dcw line and 750 drainage line to new toilet 'T-2'. 4 PROVIDE 120 DCW & DHW LINES AND 500 DRAINAGE LINE TO NEW LAVATORY 'L−2'. PROVIDE NEW 200 DCW & 120 DHW LINES TO NEW UNIVERSAL WASHROOM FROM EXISTING WATER SERVICE LINES NEARBY. CONTRACTOR TO VERIFY EXACT LOCATION AND SIZE ON SITE. PROVIDE NEW 750 SANITARY LINE TO NEW UNIVERSAL WASHROOM FROM EXISTING WATER SERVICE LINES NEARBY. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE AND INVERT ON SITE.
- 7 PROVIDE NEW FLOOR DRAIN 'FD'. 8 PROVIDE NEW FLOOR CLEANOUT 'CO'
- (9) PROVIDE NEW DRINKING FOUNTAIN 'DF-1' REPLACE EXISTING. MODIFY EXISTING WATER SUPPLY LINE AND SANITARY LINE FOR NEW CONNECTION WHEN REQUIRED. REFER TO ARCH. DWG FOR EXACT MOUNTING HEIGHT







DRAINAGE SYSTEM TEST 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. WATER PIPE VERIFY AND REPLACEMENT . 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: ALL EXISTING MECHANICAL SERVICE TO REMAIN UNLESS INDICATED OTHERWISE. CONTRACTOR TO EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS ON SITE. 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 RELOCATE ALL EXISTING ACCESS PANELS WHERE AFFECTED BY THE WORK. ALL REMOVED FLUSH VALVES AND WASHFOUNTAINS SHALL BE RETURNED TO OWNER. DRAWING NOTES: $\overline{1}$ Existing exhaust fan and associated ductwork to roof to be removed. RE-USE EXISTING ROOF OPENING FOR NEW EXHAUST FAN.

2 EXISTING ELEC. BBH TO BE REMOVED.

 $\langle 3 \rangle$ EXISTING THERMOSTAT TO BE REMOVED.

FOR NEW LAVATORY CONNECTION.

AIRFLOW TEST

WITHIN THE PROJECT WORKING AREA.

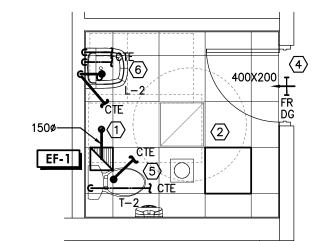
ALL EXISTING AIRFLOW RATE AND DUCT SIZE INDICATED ON THIS DRAWING BASED ON BASE BLDG. MECHANICAL SYSTEM DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY EXACT LAYOUTS AND SIZES ON SITE.

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. PRIOR TO CONSTRUCTION, PERFORM DUCT CLEANING FOR ALL THE DUCT WORK

WITHIN WORKING AREA, PRIOR TO DEMOLITION, PERFORM AIRFLOW TEST OF ALL

 $\langle 4 \rangle$ existing toilet to be removed. Remove/Cap associated un-used branch PIPES IN WALL/CEILING OR UNDER SLAB.

5 EXISTING LAVATORY TO BE REMOVED. MODFIY/EXTEND EXISTING BRANCH PIPES



WATER PIPE VERIFY AND REPLACEMENT

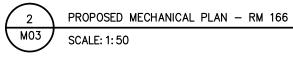
- EXAMINE AND REPLACE ALL EXISTING ABOVE GROUND DAMAGED DCW & DHW LINES AND VALVES WITHIN THE PROJECT WORKING AREA.
- EXAMINE AND REPLACE ALL EXISTING DAMAGED VENTS WITHIN THE PROJECT WORKING AREA. MODIFY THE EXISTING VENTING SYSTEM TO SUIT NEW PROPOSED LAYOUT AND AS PER O.B.C REQUIREMENT.

AIRFLOW TEST

- 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.
- 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.
- REPLACE EXISTING DAMAGED DUCTWORK WHEN REQUIRED. EXISTING AIRFLOW SERVING OTHER AREAS TO REMAIN. SUBMIT AIR BALANCE REPORT WITH DRAWING.

DRAINAGE SYSTEM TEST

- PRIOR TO CONSTRUCTION, PERFORM EXISTING DRAINAGE LINE CAMERA TEST AND SUBMIT VIDEO & WRITTEN REPORT.
- 2. PERFORM DRAINAGE LINE CLEANING AND REPLACE ALL THE DAMAGED PIPES IF REQUIRED.
- 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.



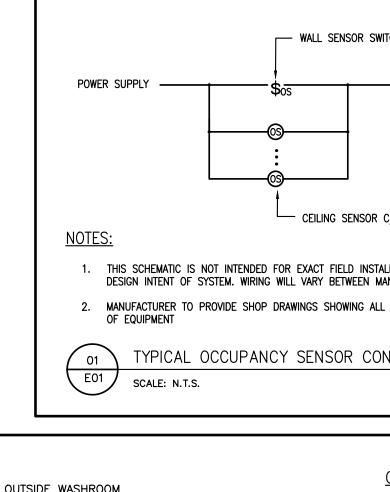
<u>GENERAL NOTES:</u>

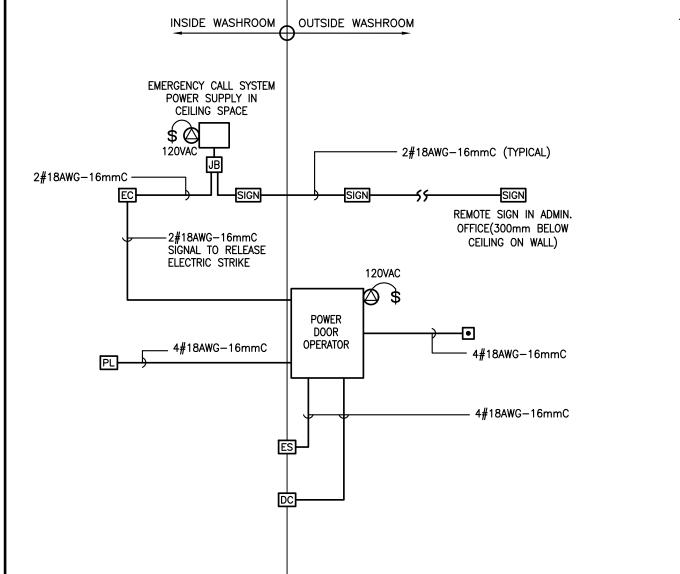
- 1. ALL EQUIPMENTS SHOWN ON THIS DRAWING SHALL BE NEW UNLESS OTHERWISE NOTED.
- 2. COORDINATE ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF GRILLES AND DIFFUSERS.
- . CONTRACTOR TO VERIFY EXISTING FIRE DAMPER LOCATIONS WITHIN SCOPE AREA. PROVIDE FIRE DAMPERS ON EXISTING DUCTS WHERE DUCTS PENETRATE FIRE SEPARATIONS WHEN REQUIRED.
- 4. ALL DOMESTIC COLD WATER AND DOMESTIC HOT WATER PIPES SHALL BE MINIMUM 200 UNLESS INDICATED OTHERWISE.
- 5. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE AND CONDITION OF EXISTING WATER SUPPLY PIPING SERVING SCOPE AREA ON SITE FOR NEW CONNECTION. READ IN CONJUNCTION WITH ARCHITECTURAL PLANS FOR PLUMBING FIXTURES
- INSTALLATION. 7. DOCUMENT ALL THE ACCESS PANELS LOCATIONS ON AS-BUILT DRAWINGS.
- 8. PERFORM STRUCTURAL COORDINATION FOR MASONRY MODIFICATIONS. REFER TO STRUCTURAL DETAILS FOR MODIFYING OR TRENCHING THE BLOCK WALLS TO RUN NEW CONCEALED SERVICES.
- 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.
- 10. PROVIDE INSULATION FOR ALL COLD & HOT WATER PIPING.
- 11. FOR ALL PLUMBING CONNECTIONS TO EXISTING SYSTEM INVOLVING MASONRY MODIFICATIONS, COORDINATE AND REFER TO STRUCTURAL DETAILS.
- 12. PROVIDE COMPLETE SANITARY VENT CONNECTION TO EXISTING VENT PIPES COMPLY WITH OBC REQUIREMENT.
- 13. ALL SANITARY DRAINAGE BELOW GRADE SHALL BE MINIMUM 750 UNLESS INDICATED OTHERWISE.
- 14. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE & INVERT OF SAN. LINES SERVING THE SCOPE AREA ON SITE FOR NEW CONNECTION.
- 15. 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.
- 16. PROVIDE NECESSARY DRAINAGE PIPE REPLACEMENT/MODIFICATION/EXTENSION FOR NEW PLUMBING FIXTURE RECONNECTION.
- 17. CONNECTION WORK FOR NEW PLUMBING FIXTURE DRAINAGE TO EXISTING SANITARY LINE INCLUDES TRENCHING EXCAVATION AND REPAIRING THE EXISTING FLOOR. DRAWING NOTES:
- 1> PROVIDE NEW 150Ø EXHAUST DUCT UP TO ROOF C/W GOOSENECK AND INSECT WIREMESH. RE-USE EXISTING ROOF OPENING IF APPLICABLE. CONTRACTOR TO VERIFY EXACT LOCATION ON SITE. REFER TO ARCHITECTURAL FOR ROOF DETAIL AND MECH. DWG M01 DETAIL 2 FOR ROOF GOOSENECK DETAIL.
- (2) NEW 0.375KW 600X600 CEILING RECESSED RADIANT PANEL C/W ASSOCIATED CONTROLS BY ELEC. DIVISION.
- $\langle 3 \rangle$ RESERVED.
- 4 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.
- (5) PROVIDE 200 DCW LINE TO NEW TOILET 'T-2' AND CONNECT 750 DRAINAGE TO EXISTING SAN.. RECONFIGURE UNDERSLAB DRAINAGE TO SUIT NEW LOCATION.
- 6 PROVIDE 120 DCW & DHW LINES TO NEW LAVATORY 'L-2' AND CONNECT 500 DRAINAGE TO EXISTING SAN. LINE.



77 MAIN ST EAST HUNTSVILLE ONTARIO P1H2B9







		LUMINAIRE SCH	DRAWING LIST				
VITCH	TYPE	DESCRIPTION	LAMP	BALLAST	REMARKS	DWG. NO.	DRAWING TITLE
LIGHT LOADS	F1	2' x 2' T-BAR CEILING RECESSED LED FIXTURE FOR DAMP AREA, EXTRUDED ALUMINUM HOUSING, C/W ACRYLIC LENS, WHITE FINISH. APPLICATION: WASHROOM	35W, LED LAMP, 4000K 3896LM	347V ELECTRONIC LED DRIVER	RAB DESIGN #CPL22-LED32 SERIES OR APPROVED EQUAL	E01	KEY PLAN, DRAWING LIST, LEGEND & DETAILS – ELECTRICAL
	F2	1' X 4' BACKLIT DRYWALL CEILING RECESSED LED PANEL WITH ALUMINUM FRAME AND PMMA LENS, C/W DRYWALL RECESSED MOUNT KIT AND <u>ONE HOUR FIRE RATED</u>	30W, LED LAMP, 4000K	347V ELECTRONIC LED DRIVER	RAB DESIGN #CPL14-LED30 SERIES OR APPROVED EQUAL	E02	ELECTRICAL LAYOUTS - ROOM 129 & 130 & 131
		ENCLOURE, WHITE FINISH. APPLICATION: WASHROOM	3825LM		APPROVED EQUAL	E03	ELECTRICAL LAYOUTS - ROOM 166
C/W SWITCHING RELAY	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.		
LATION OR WIRING. SCHEMATIC SHOWS NUFACTURERS.	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.		
WIRING REQUIRED PRIOR TO ORDERING		EXISTING AS NOTED. MOUNT & ZUUMM BELOW CEILING.					ELECTRICAL LEGEND
NTROL	PROJ	ECT NOTES:				SYMBOL	DESCRIPTION
	1. ALL	WIRES/CONDUITS SHALL BE CONCEALED IN WALLS, OR IN CEILING SPACES,	EXCEPT IN ELE	C/MECH ROOMS.		F1	FLUORESCENT OR LED LUMINAIRES, RECESSED IN CEILING, LETTER DENOTES FIXTURE TYPE PER SCHEDULE
						F2	FLUORESCENT OR LED LUMINAIRES, SURFACE MOUNTED ON CEILING, LETTER

GENERAL NOTES:

- 1. CONFIRM ALL REQUIRED OUTLETS, CONDUITS, WIRING, ETC. WITH SHOP DRAWINGS PRIOR TO ROUGH IN.
- FOLLOWING ITEMS SHALL BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRES IN CONDUITS AND JUNCTION BOX FOR EACH DEVICE.
 PUSH TO LOCK TOUCH PAD, DOOR PUSH BUTTON TOUCH PAD C/W 'IN-USE' SIGN.
- 2. ELECTRIC STRIKES 3. DOOR CONTACTS
- 4. POWER DOOR OPERATOR C/W POWER SUPPLY TRANSFORMER5. DOOR OPERATION CONTROL RELAYS
- 3. ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE EMERGENCY CALL ASSISTANCE SYSTEM, INCLUDING INTERLOCK SIGNAL TO RELEASE ELECTRIC STRIKE.
- 4. THE MOUNTING HEIGHTS OF ALL OPERATION DEVICES SHALL MEET "OBC BARRIER-FREE DESIGN" REQUIREMENTS (LESS THAN 1200mm AFF). CONFIRM EXACT MOUNTING HEIGHT OF 'ASSISTANCE REQUIRED' SIGNS ON SITE. IN GENERAL MINIMUM 200mm ABOVE DOOR AND 200mm BELOW CEILING.
- 5. ALL LOW VOLTAGE WIRING SHALL BE STRANDED & SHIELDED COPPER CONDUCTORS, PLENUM RATED INSTALLED IN CONDUIT OR PLENUM RATED IN HOLLOW METAL DOOR FRAME WHERE ACCESSIBLE. RUN WIRES IN TO HEADER OF AUTOMATIC DOOR OPERATOR OPPOSITE HINGE SIDE ABOVE DOOR JAMB TO ALLOW FOR ORGANIZED LOW VOLTAGE WIRING DUE TO LOCATION OF RELAY.
- COORDINATE LOW VOLTAGE WIRING FINAL CONNECTION & COMMISSIONING OF THE DOOR OPERATOR SYSTEM WITH MANUFACTURER.
- 7. UNIVERSAL BF W/R EMERGENCY CALL SYSTEM SHALL BE CAMDEN #CM-WEC SERIES OR EQUAL.
- ASSISTANCE REQUIRED' SIGN SHALL BE CAMDEN #CM—AF141SO, DOME LIGHT WITH ADJUSTABLE SOUNDER, WEATHER AND VANDAL RESISTANT, TEXT ON LENS.
- EMERGENCY CALL STATION SHALL BE CAMDEN #CM-450R/12, MUSHROOM PUSH BUTTON, PUSH/PULL OPERATION, WITH TEXT 'PRESS FOR EMERGENCY ASSISTANCE', SINGLE GANG STAINLESS STEEL FACEPLATE, C/W EXTRA RELAY FOR REMOTE RELEASE OF ELECTRIC STRIKE.
- 10. ALL CONDUITS AND JUNCTION BOXES SHALL BE RECESSED AND CONCEALED, SURFACE INSTALLATION IS NOT PERMITTED.

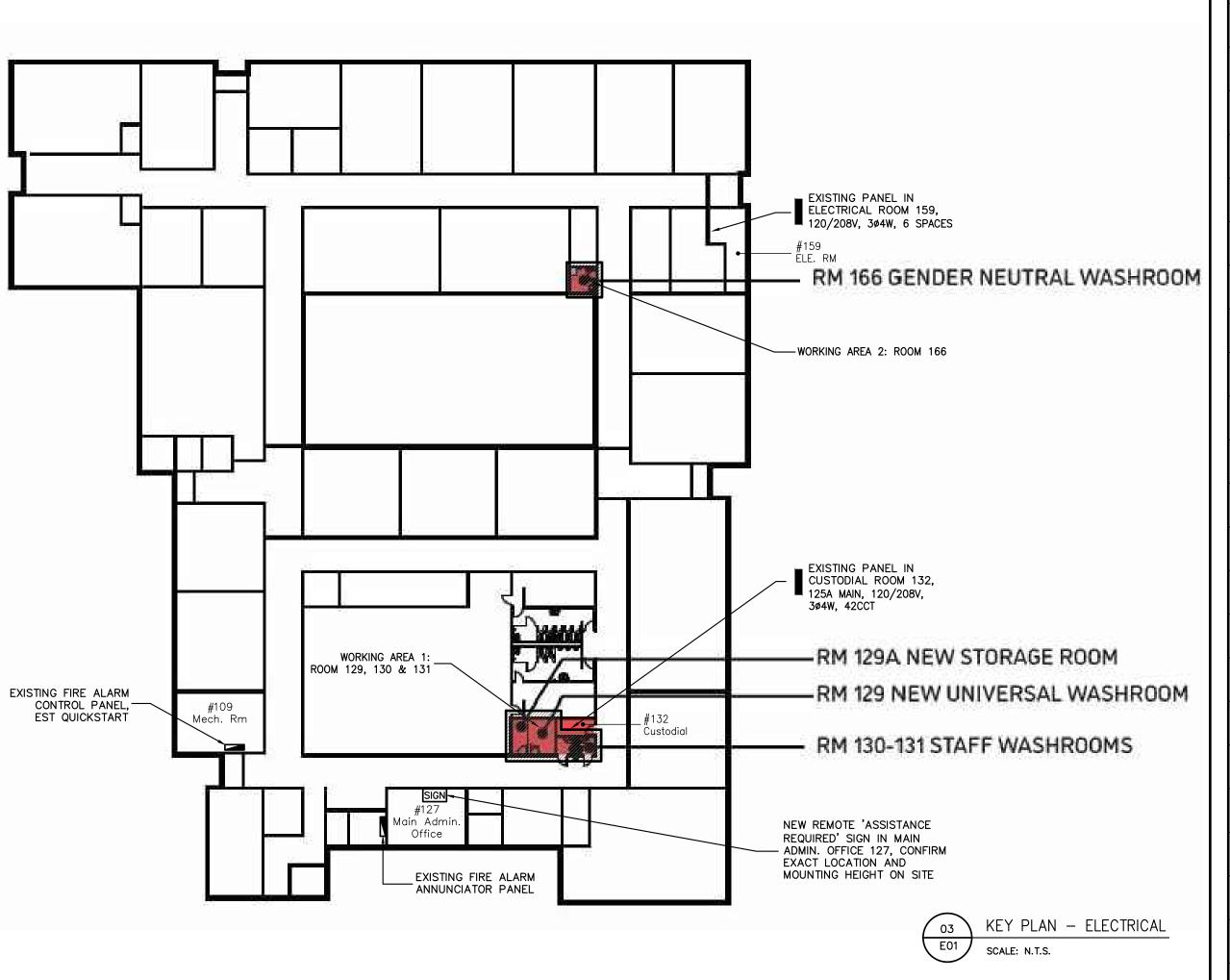
- OPERATION:
- 1. EXTERIOR DOOR PUSH BUTTON TOUCH PAD OPENS DOOR.
- PUSH TO LOCK TOUCH PAD DEACTIVATES EXTERIOR TOUCH PAD, LOCKS THE DOOR & ACTIVATES 'IN USE' SIGNS INSIDE AND OUTSIDE OF THE WASHROOM.
- RE-PUSH TO UNLOCK AND OPEN THE DOOR & DEACTIVATES 'IN USE' SIGNS INSIDE AND OUTSIDE OF THE WASHROOM.
- 4. EMERGENCY CALL STATION ACTIVATES ALL EMERGENCY 'ASSISTANCE REQUIRED' SIGNS, AND RELEASE THE ELECTRIC STRIKE.

LEGEND:

- EC EMERGENCY CALL STATION
- SIGN EMERGENCY CALL STATION 'ASSISTANCE REQUIRED' SIGN
- RECESSED MOUNTED PUSH-TO-OPEN TOUCH PAD C/W 'IN USE' SIGN, PROVIDE 1 1/2" DEEP, 4" SQUARE JUNCTION BOX
- PL RECESSED MOUNTED PUSH-TO-LOCK TOUCH PAD C/W 'IN USE' SIGN, PROVIDE 1 1/2" DEEP, 4" SQUARE JUNCTION BOX
 - USE' SIGN, PROVIDE 1 1/2" DC DOOR CONTACT P, 4" SQUARE JUNCTION BOX

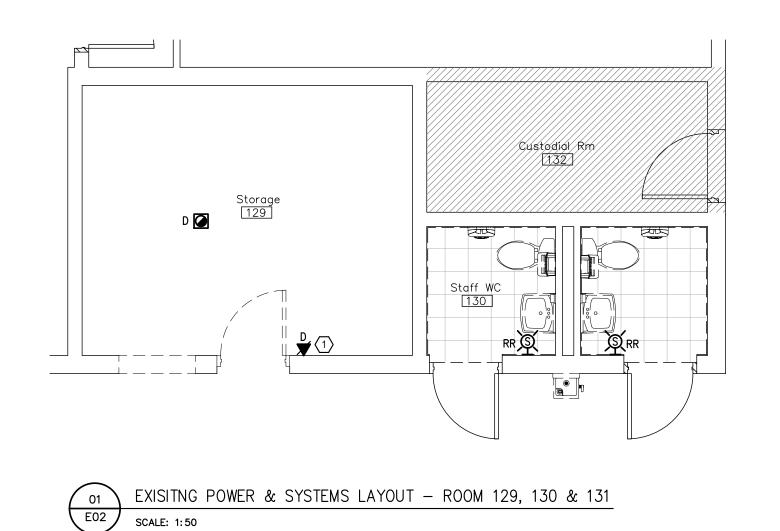
ES ELECTRIC STRIKE

02 ELECTRICAL DETAILS FOR UNIVERSAL WASHROOM E01 SCALE: N.T.S.



	ELECTRICAL LEGEND
SYMBOL	DESCRIPTION
F1	FLUORESCENT OR LED LUMINAIRES, RECESSED IN CEILING, LETTER DENOTES FIXTURE TYPE PER SCHEDULE
F2	FLUORESCENT OR LED LUMINAIRES, SURFACE MOUNTED ON CEILING, 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
\$os	WALL MOUNTED OCCUPANCY SENSOR SWITCH FOR LIGHT
Φ	WALL MOUNTED DUPLEX RECEPTACLE, U-GROUND, CSA 5-15R TYPE (15A, 120V) UNLESS OTHERWISE NOTED
φ	15A, 125V DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE (CSA 5-15R)
ØØ	RECEPTACLES AS ABOVE RESPECTIVELY, BUT MOUNTED AT 8" ABOVE COUNTER TOP, OR 42"AFF, OR AS NOTED
Ø	20A, 125V DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE (CSA 5-20R)
\bigcirc	DIRECT CONNECTION TO EQUIPMENT AS NOTED.
	DIRECT CONNECTION C/W DISCONNECT SWITCH
	ELECTRICAL PANEL, RECESSED OR SURFACE MOUNTED
0	FIRE ALARM SMOKE DETECTOR, CEILING OR WALL MOUNTED
	FIRE ALARM HORN C/W STROBE LIGHT
<u>ð</u>	FIRE ALARM STROBE, CEILING OR WALL MOUNTED
	FIRE ALARM CONTROL PANEL OR ANNUNCIATOR PANEL, RECESSED OR SURFACE MOUNTED
ৰ ৰহ	EMERGENCY LIGHTING REMOTE HEADS, CEILING MOUNTED, WITH DOUBLE OR SINGLE HEADS RESPECTIVELY
	EMERGENCY LIGHTING BATTERY UNIT
2 A M	EMERGENCY LIGHTING BATTERY UNIT C/W INTEGRAL HEADS
P ^s P P	CEILING OR WALL RECESSED MOUNTED SINGLE GANG BOX FOR P.A. SPEAKER. "S" DENOTES SURFACE BOX FOR PENDENT SPEAKER.
DO	POWER DOOR OPERATOR FOR UNIVERSAL WASHROOM
EBH	ELECTRIC BASEBOARD HEATER
HD	HAND DRYER
JB	JUNCTION BOX
T	THERMOSTAT
AFF	ABOVE FINISHED FLOOR
GFI	GROUND FAULT INTERRUPTER
LP1-1	AS APPLIED TO CIRCUITING, DENOTES "PANEL 'LP-1', CIRCUIT # 1"
TR	DENOTES TAMPER-RESISTANT TYPE RECEPTACLE
EX	DENOTES EXISTING DEVICE(S) TO REMAIN
R	DENOTES EXISTING DEVICE(S) TO BE RELOCATED
D	DENOTES EXISTING DEVICE(S) TO BE REMOVED
RN	DENOTES EXISTING DEVICE(S) TO BE REMOVED AND REPLACED WITH NEW
RR	DENOTES EXISTING DEVICE(S) TO BE REMOVED AND RE-INSTALLED IN SAME LOCATION
RE	DENOTES EXISTING DEVICE(S) IN RELOCATED/REINSTALLED POSITION
Ν	DENOTES PROVIDE NEW DEVICE(S)
2	DENOTES DRAWING REFERENCE NOTES # 2
01 E-02	DENOTES REFER TO DETAIL #1 ON DRAWING #E-02.





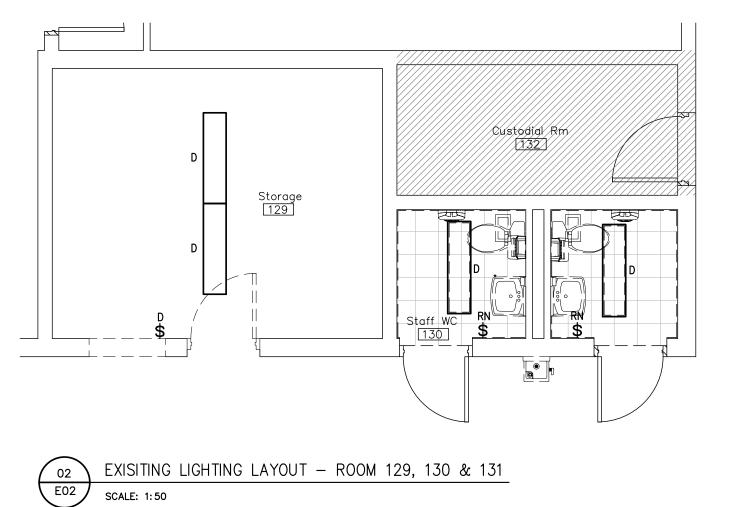
GENERAL NOTES:

PARTITIONS.

- REMOVAL SCOPE SHALL INCLUDE REMOVAL OF ALL UNUSED CIRCUITS BACK TO POWER PANEL, INCLUDING WIRES, CONDUITS AND JUNCTION BOXES, MODIFY PANEL DIRECTORY.

NOTES:

 $\langle 1 \rangle$ EXISTING TELEPHONE TO BE REMOVED AND RETURNED TO SCHOOL BOARD.

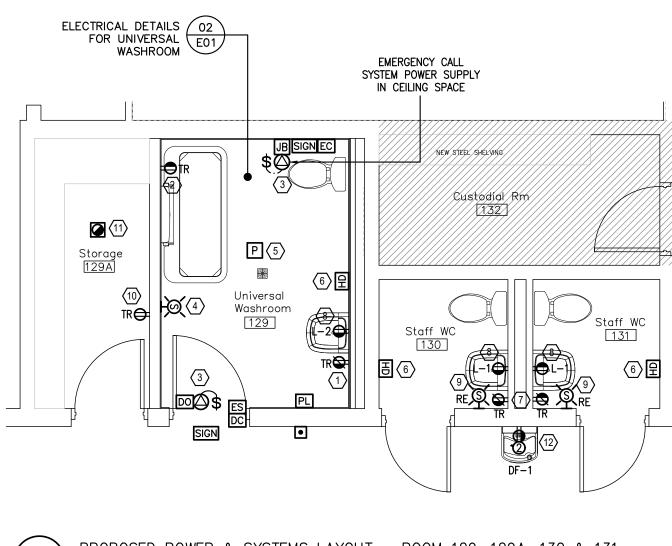


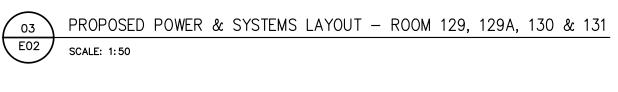
GENERAL NOTES:

- REGARDLESS SHOWN OR NOT, REMOVE (OR RELOCATE AS REQUIRED) ALL EXISTING ELECTRICAL
- PARTITIÓNS.
- INCLUDING WIRES, CONDUITS AND JUNCTION BOXES, MODIFY PANEL DIRECTORY.

SCALE: 1:50

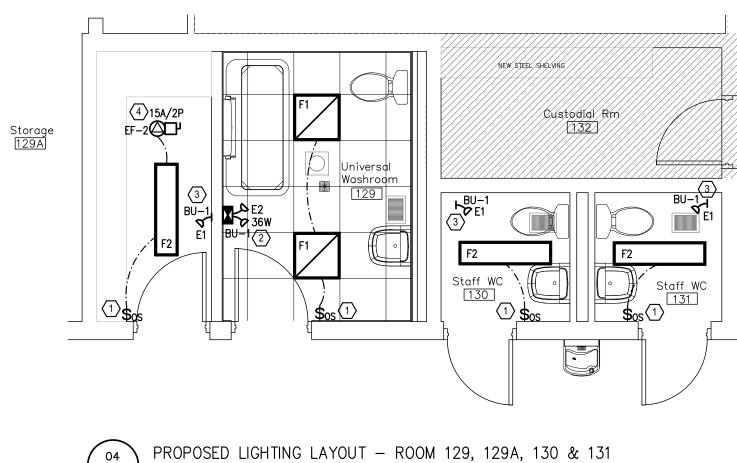
1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE EXISTING TO REMAIN. REGARDLESS SHOWN OR NOT, REMOVE (OR RELOCATE AS REQUIRED) ALL EXISTING ELECTRICAL DEVICES/EQUIPMENT C/W WIRES/CONDUITS AND BOXES AFFECTED BY DEMOLITION OF EXISTING





. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE EXISTING TO REMAIN. DEVICES/EQUIPMENT C/W WIRES/CONDUITS AND BOXES AFFECTED BY DEMOLITION OF EXISTING

REMOVAL SCOPE SHALL INCLUDE REMOVAL OF ALL UNUSED CIRCUITS BACK TO POWER PANEL,





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 TAMPER-RESISTANT GFI RECEPTACLE IN UNIVERSAL WASHROOM, ADD ONE(1) NEW 15A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL IN CUSTODIAL ROOM 132, PROVIDE DEDICATED FEEDER: 2#12+GRD-21mmC FROM BREAKER TO GFI RECEPTACLE.
- $\langle 2 \rangle$ provide one(1) new tamper-resistant GFI receptacle for electric change table in UNIVERSAL WASHROOM, CONFIRM EXACT LOCATION AND MOUNTING HEIGHT ON SITE. ADD ONE(1) NEW 15A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL IN CUSTODIAL ROOM 132, PROVIDE DEDICATED FEEDER: 2#12+GRD-21mmC FROM BREAKER TO GFI RECEPTACLE.
- (3) provide New Power connections C/W switch for New Emergency Call System and Power DOOR OPERATOR. ADD ONE(1) NEW 15A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL IN
- CUSTODIAL ROOM 132, PRÓVIDE FEEDÉR: 2#12+GRD-21mmC FROM BREAKER TO EMERGENCY CALL SYSTEM AND DOOR OPERATOR.
- 4 PROVIDE ONE(1) NEW FIRE ALARM STROBE TO MATCH EXISTING, CONNECT TO NEAREST EXISTING FIRE ALARM SIGNALING CIRCUIT IN THIS AREA.
- 5 PROVIDE ONE(1) NEW CEILING MOUNTED PA SPEAKER TO MATCH EXISTING, CONNECT TO NEAREST EXISTING PA SPEAKER CIRCUIT IN THIS AREA.
- 6 PROVIDE THREE(3) NEW HAND DRYERS, MOUNTED AT 1100mm AFF TO HAND DRYER TOP. ADD THREE(3) NEW 15A/1P GFI BREAKERS TO MATCH EXISTING IN EXISTING PANEL IN CUSTODIAL ROOM 132. PRÓVIDE DEDICATED FEEDER: 2#12+GRD-21mmC FOR EACH HAND DRYER CIRCUIT.
- $\langle 7 \rangle$ provide New TAMPER-RESISTANT GFI RECEPTACLES IN STAFF WASHROOMS, ADD ONE(1) NEW 15A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL IN CUSTODIAL ROOM 132, PROVIDE FEEDER: 2#12+GRD-21mmC FROM BREAKER TO GFI RECEPTACLES.
- 8 PROVIDE THREE(3) NEW GFI RECEPTACLES FOR LAVATORY SENSORS, CONFIRM EXACT LOCATION AND MOUNTING HEIGHT ON SITE. CONTRACTOR TO MAKE SURE THE RECEPTACLE TO BE CONCEALED BEHIND LAVATORY 'L-1' AND 'L-2'. ADD ONE(1) NEW 15A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL IN CUSTODIAL ROOM 132, PRÓVIDE FEEDÉR: 2#12+GRD-21mmC FROM BREAKER TO GFI RECEPTACLES.
- (9) REINSTALL EXISTING FIRE ALARM STROBES IN STAFF WASHROOMS, CONNECT TO EXISTING FIRE ALARM SIGNALING CIRCUIT IN EACH WASHROOM.
- (10) PROVIDE ONE(1) NEW TAMPER-RESISTANT RECEPTACLE IN NEW STORAGE ROOM 129A, ADD ONE(1) NEW 15A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL IN CUSTODIAL ROOM 132, PROVIDE FEEDER: 2#12+GRD-21mmC FROM BREAKER TO STORAGE RECEPTACLE.
- (11) PROVIDE ONE(1) NEW FIRE ALARM SMOKE DETECTOR IN STORAGE ROOM 129A, CONNECT TO EXISTING FIRE ALARM INITIATING CIRCUIT IN THIS ROOM.
- PROVIDE ONE(1) NEW 20A GFI RECEPTACLE FOR DRINKING FOUNTAIN 'DF-1', CONFIRM EXACT LOCATION AND MOUNTING HEIGHT ON SITE. CONTRACTOR TO MAKE SURE THE RECEPTACLE TO BE CONCEALED BEHIND 'DF-1'. ADD ONE(1) NEW 20A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL IN CUSTODIAL ROOM 132, PROVIDE DEDICATED FEEDER: 2#12+GRD-21mmC FROM BREAKER TO NEW GFI RECEPTACLE.

JASON LOWE ARCHITECT 77 MAIN ST EAST HUNTSVILLE ONTARIO P1H2B9 Trillium Lakelands District School Board Dunsford District ES Washroom Renovation WO# 041697

33 Dunsford Rd, Dunsford, ON KOM 1L0



Seal



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

DATE:		2021	-04
PROJECT	NO:	2006	65–A7
DRAWN:		HZ	
CHECKED:	•	ML	
			Revisions
1. ISSUED	FOR	REVIEW	2020-12-31
2. ISSUED	FOR	REVIEW	2021-03-05
3. ISSUED	FOR	PERMIT&TENDER	2021-04-19

GENERAL NOTES:

- . UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE NEW. 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:

- PROVIDE NEW LIGHTS TYPE 'F1' AND 'F2', TO BE CONNECTED TO EXISTING NORMAL LIGHT CIRCUIT IN EACH ROOM AND CONTROLLED BY NEW WALL MOUNTED OCCUPANCY SENSOR SWITCH.
- 2 PROVIDE ONE(1) NEW EMERGENCY LIGHTING BATTERY UNIT 'E2' C/W TWO(2) 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'.
- $\langle 4 \rangle$ NEW EXHAUST FAN 'EF-2' TO BE CONNECTED TO NORMAL LIGHT CIRCUIT IN STORAGE ROOM 129A AND CONTROLLED BY NEW WALL MOUNTED OCCUPANCY SWITCH.

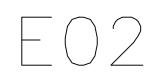
Title

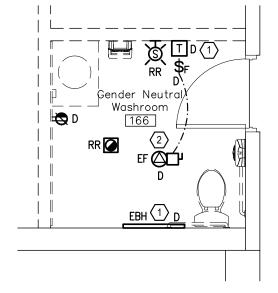
ELECTRICAL LAYOUTS - ROOM 129 & 129A & 130 & 131

AS SHOWN

Shee	t

Scale







EXISITNG POWER & SYSTEMS LAYOUT - ROOM 166 SCALE: 1:50



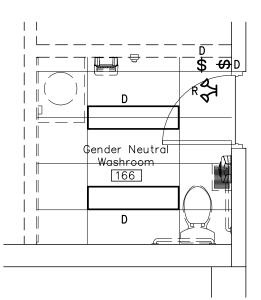
GENERAL NOTES:

PARTITIÓNS.

EXHAUST FAN, SWITCH, WIRES AND CIRCUIT BREAKER.

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.





SCALE: 1:50

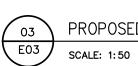
EXISITING LIGHTING LAYOUT - ROOM 129 & 129A & 130 & 131

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

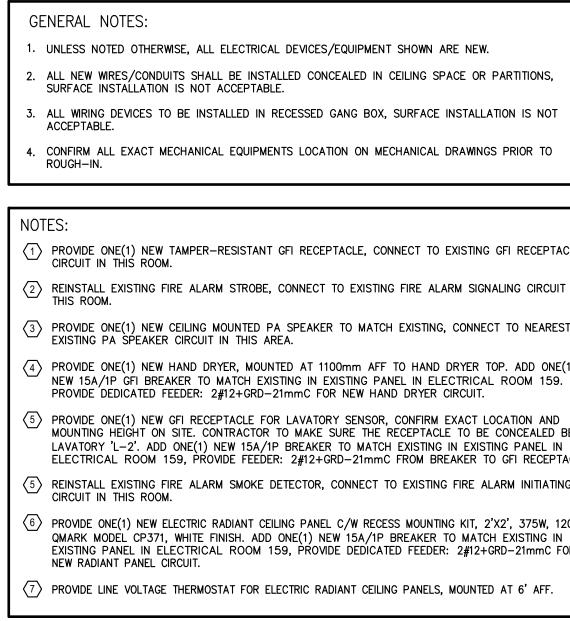
3. REMOVAL SCOPE SHALL INCLUDE REMOVAL OF ALL UNUSED CIRCUITS BACK TO POWER PANEL, INCLUDING WIRES, CONDUITS AND JUNCTION BOXES, MODIFY PANEL DIRECTORY.

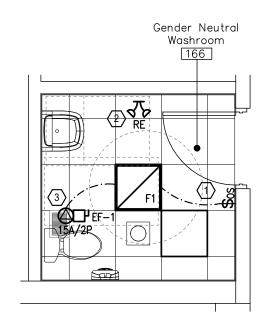
1) REMOVE EXISTING WASHROOM ELECTRIC BASEBOARD HEATER CIRCUIT BACK TO POWER PANEL, INCLUDING ELECTRIC HEATER, THERMOSTAT, WIRES AND CIRCUIT BREAKER. 2 REMOVE EXISTING WASHROOM EXHAUST FAN CIRCUIT BACK TO POWER PANEL, INCLUDING

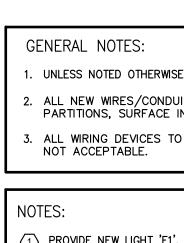
HD CL-2 $\langle 4 \rangle$ Gender Neut Washroo 166 3) P



PROPOSED POWER & SYSTEMS LAYOUT - ROOM 166







CONTROLLED BY NEW OCCUPANCY SENSOR SWITCH.



PROPOSED LIGHTING LAYOUT - ROOM 166 SCALE: 1:50

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,

3. ALL WIRING DEVICES TO BE INSTALLED IN RECESSED GANG BOX, SURFACE INSTALLATION IS NOT

4. CONFIRM ALL EXACT MECHANICAL EQUIPMENTS LOCATION ON MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.

1 PROVIDE ONE(1) NEW TAMPER-RESISTANT GFI RECEPTACLE, CONNECT TO EXISTING GFI RECEPTACLE CIRCUIT IN THIS ROOM.

 $\langle 2 \rangle$ REINSTALL EXISTING FIRE ALARM STROBE, CONNECT TO EXISTING FIRE ALARM SIGNALING CIRCUIT IN THIS ROOM.

3 PROVIDE ONE(1) NEW CEILING MOUNTED PA SPEAKER TO MATCH EXISTING, CONNECT TO NEAREST EXISTING PA SPEAKER CIRCUIT IN THIS AREA. $\langle \overline{4} \rangle$ PROVIDE ONE(1) NEW HAND DRYER, MOUNTED AT 1100mm AFF TO HAND DRYER TOP. ADD ONE(1)

NEW 15A/1P GFI BREAKER TO MATCH EXISTING IN EXISTING PANEL IN ELECTRICAL ROOM 159. PROVIDE DEDICATED FEEDER: 2#12+GRD-21mmC FOR NEW HAND DRYER CIRCUIT.

MOUNTING HEIGHT ON SITE. CONTRACTOR TO MAKE SURE THE RECEPTACLE TO BE CONCEALED BEHIND LAVATORY 'L-2'. ADD ONE(1) NEW 15A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL IN ELECTRICAL ROOM 159, PROVIDE FEEDER: 2#12+GRD-21mmC FROM BREAKER TO GFI RECEPTACLE. 5 REINSTALL EXISTING FIRE ALARM SMOKE DETECTOR, CONNECT TO EXISTING FIRE ALARM INITIATING

6 PROVIDE ONE(1) NEW ELECTRIC RADIANT CEILING PANEL C/W RECESS MOUNTING KIT, 2'X2', 375W, 120V, QMARK MODEL CP371, WHITE FINISH. ADD ONE(1) NEW 15A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL IN ELECTRICAL ROOM 159, PROVIDE DEDICATED FEEDER: 2#12+GRD-21mmC FOR

 $\langle 7 \rangle$ provide line voltage thermostat for electric radiant ceiling panels, mounted at 6' aff.

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

PROVIDE NEW LIGHT 'F1', TO BE CONNECTED TO EXISTING WASHROOM NORMAL LIGHT CIRCUIT AND CONTROLLED BY NEW WALL MOUNTED OCCUPANCY SENSOR SWITCH. $\langle 2 \rangle$ RELOCATE EXISTING EMERGENCY REMOTE HEADS TO NEW LOCATION AS SHOWN, EXTEND EXISTING EMERGENCY LIGHT WIRES/CONDUIT TO NEW REMOTE HEAD LOCATION.

3 NEW EXHAUST FAN 'EF-1' TO BE CONNECTED TO EXISTING NORMAL LIGHT CIRCUIT IN THIS ROOM AND



Trillium Lakelands District School Board Dunsford District ES Washroom Renovation

WO# 041697

Seal

33 Dunsford Rd, Dunsford, ON KOM 1L0





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DATE: PROJECT NO: DRAWN: CHECKED:	2021–04 20065–A7 HZ ML
1. ISSUED FOR REVIEW 2. ISSUED FOR REVIEW 3. ISSUED FOR PERMITA	Revisions 2020–12–3 2021–03–0
	Title
ELECTRICAL _	LAYOUTS ROOM 166
AS SHOW	Scale
	Sheet
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