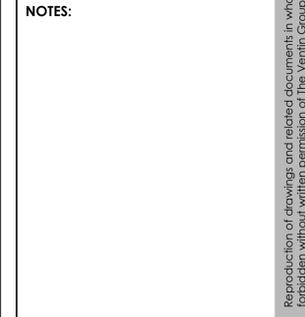


INTERIOR WALL		
TYPE	DESIGN	CONSTRUCTION
DW1		INTERIOR PARTITION (ACOUSTIC): 1 LAYER 16mm G/WB FROM FLOOR TO U/S STRUCTURE 92mm METAL STUDS @ 400 O.C. W/SOUND INSULATION 1 LAYER 16mm G/WB FROM FLOOR TO U/S STRUCTURE STC RATING = 45 PERIMETER & PENETRATIONS SOUND SEALED 1HR F.R.R. (I.L.C. W407) WHERE INDICATED
DW2		INTERIOR PARTITION (STC-40): 16mm GYPSUM BOARD 92mm METAL STUDS @ 406mm O/C 16mm GYPSUM BOARD ASSEMBLY TO U/S OF STRUCTURE 1 HR F.R.R. (I.L.C. DESIGN W407) WHERE INDICATED WITH FIRE RATED GYPSUM BOARD SUBSTITUTE GYPSUM BOARD W/ GLASS MAT GYPSUM BOARD WHERE WALLS MAY BE SUBJECTED TO MOISTURE.
DW3		PIPE SPACE: 16mm GYPSUM BOARD 64mm METAL STUDS @ 406mm O.C. 64mm SOUND ATTENUATION BATTS (BOTH SIDES OF PIPE SPACE) ASSEMBLY TO U/S OF STRUCTURE PERIMETER & PENETRATIONS SOUND SEALED SUBSTITUTE GYPSUM BOARD W/ GLASS MAT GYPSUM BOARD WHERE WALLS MAY BE SUBJECTED TO MOISTURE.
FR1		PIPE SPACE: 16mm GYPSUM BOARD 64mm METAL STUDS @ 400mm O.C. 50mm SOUND ATTENUATION BATTS ASSEMBLY TO U/S OF STRUCTURE PERIMETER & PENETRATIONS SOUND SEALED SUBSTITUTE GYPSUM BOARD W/ GLASS MAT GYPSUM BOARD WHERE WALLS MAY BE SUBJECTED TO MOISTURE.
FLOOR		
TYPE	DESIGN	CONSTRUCTION
F1		SHEET VINYL FLOORING ON EXISTING SUBSTRATE (EXISTING QUARRY TILE REMOVED.) TO MATCH EX. FLOOR LEVEL
F2		WOOD DECK ON EX. SUBSTRATE (CONC OR TIERED STEPS, (EXISTING ROOF.))

REVISIONS		
NO.	DATE	PARTICULAR
RT	2025.09.08	ISSUED FOR PERMIT/ TENDER

NOTES:



CLIENT:
Town of Newmarket

PROJECT:
22528
Central York Firehall 4-1 Interior Renovations

ADDRESS:
984 Gorham Street
Newmarket, Ontario

ORIGINAL PAGE SIZE ARCH D - 24" x 36"
KEY TO DETAIL LOCATION:
A - DETAIL NO.
B - DETAIL NO. ORIGIN

Scale: 1:50

File name: 21-22528 - Newmarket Fire Station 4-1 DRAWINGS W/D-CURRENT 22528 - A2.dwg
Plot Date: Sep 11, 2025 - 12:47 pm By: raluque

VVG ARCHITECTS
THE VENTINI GROUP LTD.

ONTARIO ASSOCIATION OF ARCHITECTS
THOMAS ROBERT WILSON
LICENCE
5748

NORTH

PROPOSED GROUND FLOOR PLAN

01 PROPOSED GROUND FLOOR PLAN
1:50

FIRE SEPARATION NOTES AND LEGEND

- MAINTAIN ALL EXISTING FIRE SEPARATIONS SHOWN.
- PROVIDE NEW FIRE SEPARATION AS INDICATED.
- MAINTAIN 1 HOUR FIRE RESISTANCE RATING ASSUMED GROUND FLOOR TO SECOND FLOOR.

	EXISTING 1 HR. FIRE RESISTANCE RATING
	EXISTING 1.5 HR. FIRE RESISTANCE RATING
	NEW WALL
	NEW SHEET VINYL FLOORING
	NEW WOOD DECK FLOORING
	FURNITURE (NOT IN CONTRACT)

GENERAL NOTES

- REPLACE EXISTING LIGHT FIXTURES WITH LED LIGHTS CEILING.
- REPLACE EXISTING CEILING TILES WHERE IS REQUIRED.
- REPLACE ALL EXISTING WINDOW BLINDS WITH NEW WINDOW BLINDS.

LEGEND

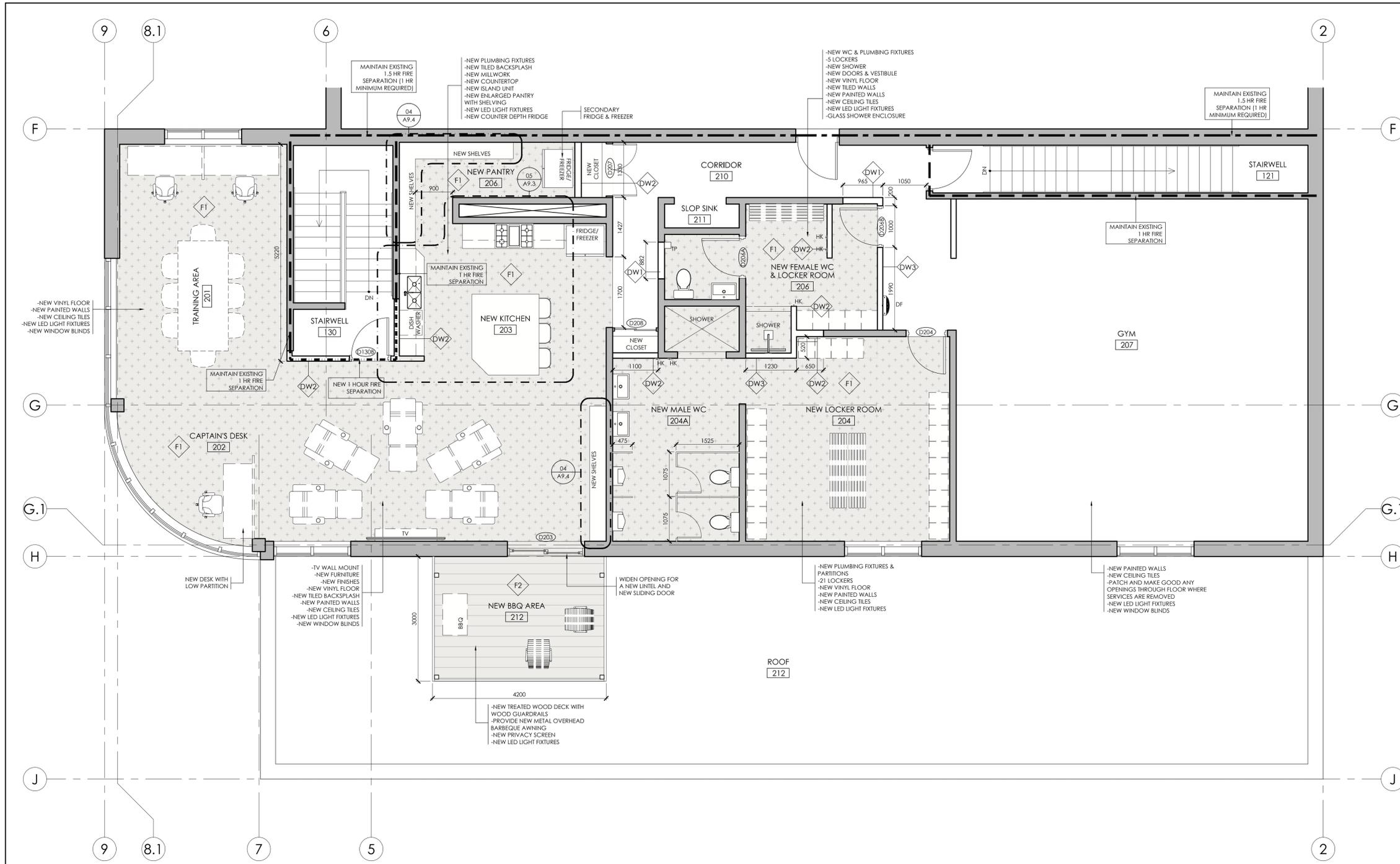
	EXISTING WALL TO REMAIN
	NEW WALL
	NEW SHEET VINYL FLOORING
	NEW WOOD DECK FLOORING
	FURNITURE (NOT IN CONTRACT)

SYMBOLS LEGEND

	ASSEMBLY TYPE		SECTION REFERENCE		GYPSUM BOARD		SHOWER HEAD
	WALL TRIM & MILLWORK FINISHES OR DEMOLITION ACTIVITY		BUILDING ELEVATION REFERENCE		POURED CONCRETE		TOILET PAPER DISPENSER
	FLOOR FINISHES OR DEMOLITION ACTIVITY		ELEVATION REFERENCE		FLOOR DRAIN		GRAB BAR
	CEILING FINISHES OR DEMOLITION ACTIVITY		PLAN DETAIL REFERENCE		GRID LINE		HAND DRYER
	WINDOW TYPE		SECTION DETAIL REFERENCE		LINE OF CLEARANCES (TYP.)		COAT HOOK
	DOOR TAG		ROOM TAG & NAME		DF - DRINKING FOUNTAIN		ACTUATOR BUTTON
	RM. NAME		CEILING HEIGHT				INDICATOR
							PUSH TO LOCK
							MIRROR

ABBREVIATIONS

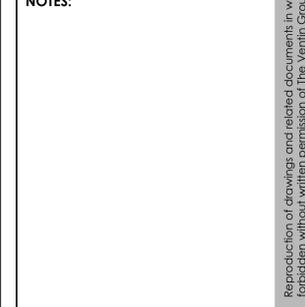
A.D.	AREA DRAIN	EXP.	EXPOSED	PLYWD.	PLYWOOD	I/O	TOP OF
AFB	ACoustic FIRE BATT INS.	EXIST.	EXISTING	PCT	PORCELAIN TILE	TWSI	TACTILE WALKING
A.F.F.	ABOVE FINISH FLOOR	FDN	FOUNDATION	PREFIN	PREFINISHED	U.S.	SURFACE INDICATORS
ACT	ACoustic CEILING TILE	F.E.C.	FIRE EXTINGUISHER CABINET	PNT	PAINT FINISH	U.N.O.	TYPICAL
ADO	AUTOMATIC DOOR OPERATOR	F.R.	FIRE RATED	PT	PRESSURE TREATED	U/S	UNLESS NOTED OTHERWISE
A.P.	ANUNCIATOR PANEL	FRR	FIRE RESISTANCE RATING	PTD	PAPER TOWEL DISPENSER	U/S	UNDERSIDE
ALUM	ALUMINUM	FIG	FOOTING	R/A	RETURN AIR	V.B.	VAPOR BARRIER
A.V.	AUDIO VISUAL	GL	GLAZING	R.D.	ROOF DRAIN	V.C.T.	VINYL COMPOSITE TILE
AWP-1	ACoustic WALL PANEL	G.B.	GYPSUM BOARD	RENF	REINFORCED	V.O.J.	VERIFY ON JOB SITE
BH	BULK HEAD	GWG	GEORGIAN WIRE GLASS	RH	ROBE HOOK	V.S.F.	VINYL SAFETY FLOORING
BN	BULBNOSED	H.M.	HOLLOW METAL	RVL	ROOFING 13mm REVEAL	W.	WITH
BV	BRICK VENEER	H.B.	HOSE BIB	R.O.	ROUGH OPENING	W/R	WASHROOM
BD	BRICK DRUM	HDWD	HARDWOOD	RT	RUBBER TREAD	WD.	WOOD
C.B.	CONCRETE BLOCK	HD	HAND / HAIR DRYER	RUB	RUBBER	WIN.	WINDOW
C.C.	CONCRETE CORNER GUARD	H.S.S.	HOLLOW STEEL SECTION	RWL	RAIN WATER LEADER	WPF	WATERPROOF FLOOR
CLG	CEILING	HT.	HEIGHT	S/A	SUPPLY AIR	WPG	WATERPROOFING
C.J.	CONTROL JOINT	I.D.	INSIDE DIAMETER	SB	SOUND BLOCK	WSC	WOOD SOLID CORE
CONC	CONCRETE	INS.	INSULATION	SFC	SPECIAL COATING		
CONCS	SEALED CONC.	LN	LINOLEUM	SD	SOAP DISPENSER		
CONCH	HARDENED & SEALED CONC.	M.O.	MASONRY OPENING	S.D.G.	SEALED DOUBLE GLAZING		
CONCP	HARDENED, SEALED & POLISHED CONC.	M	MIRROR	SM	SLAB ON GRADE		
CONT	CONTINUOUS	M/L	METAL	SOG	SPORTS FLOORING		
CP	CONTROL PANEL	N/A	NOT-APPLICABLE	SF	STAINLESS STEEL		
CP1	CARPET	N	SAN. NAPKIN DISPENSER	S.S.	STAINLESS STEEL		
CP2	CARPET	ND	SAN. NAPKIN DISPOSAL	ST	STAIN		
CPT	CARPET TILE	N.L.C.	NOT IN CONTRACT	STL	STEEL		
CT	CERAMIC TILE	N.T.S.	NOT TO SCALE	STR	STRUCTURE		
C/W	COMPLETE WITH	O/C	ON CENTRE	STR	STRUCTURE		
D.F.	DRINKING FOUNTAIN	O.D.	OUTSIDE DIAMETER	SUSP	SUSPENDED		
E.P.	ELECTRICAL PANEL	P.H.	PANIC HARDWARE	T.G.	TEMPERED GLASS		
EPX	EPOXY PAINT & PRIMER	PL	PLASTER	TM	TILED MIRROR		
		PLAM	PLASTIC LAMINATE	TP	TOILET PAPER DISPENSER		



INTERIOR WALL		
TYPE	DESIGN	CONSTRUCTION
DW1		INTERIOR PARTITION (ACOUSTIC): 1 LAYER 16mm G/WB FROM FLOOR TO U/S STRUCTURE 92mm METAL STUDS @ 400 O.C. W/SOUND INSULATION 1 LAYER 16mm G/WB FROM FLOOR TO U/S STRUCTURE STC RATING = 45 PERIMETER & PENETRATIONS SOUND SEALED 1HR F.R.R. (U.L.C. W407) WHERE INDICATED
DW2		INTERIOR PARTITION (STC-40): 16mm GYPSUM BOARD 92mm METAL STUDS @ 406mm O/C 16mm GYPSUM BOARD ASSEMBLY TO U/S OF STRUCTURE 1 HR F.R.R. (U.L.C. DESIGN W407) WHERE INDICATED WITH FIRE RATED GYPSUM BOARD SUBSTITUTE GYPSUM BOARD W/ GLASS MAT GYPSUM BOARD WHERE WALLS MAY BE SUBJECTED TO MOISTURE.
DW3		PIPE SPACE: 16mm GYPSUM BOARD 64mm METAL STUDS @ 406mm O.C. 64mm SOUND ATTENUATION BATTS (BOTH SIDES OF PIPE SPACE) ASSEMBLY TO U/S OF STRUCTURE PERIMETER & PENETRATIONS SOUND SEALED SUBSTITUTE GYPSUM BOARD W/ GLASS MAT GYPSUM BOARD WHERE WALLS MAY BE SUBJECTED TO MOISTURE.
FURRING		
TYPE	DESIGN	CONSTRUCTION
FR1		PIPE SPACE: 16mm GYPSUM BOARD 64mm METAL STUDS @ 400mm O.C. 50mm SOUND ATTENUATION BATTS ASSEMBLY TO U/S OF STRUCTURE PERIMETER & PENETRATIONS SOUND SEALED SUBSTITUTE GYPSUM BOARD W/ GLASS MAT GYPSUM BOARD WHERE WALLS MAY BE SUBJECTED TO MOISTURE.
FLOOR		
TYPE	DESIGN	CONSTRUCTION
F1		SHEET VINYL FLOORING ON EXISTING SUBSTRATE (EXISTING QUARRY TILE REMOVED.) TO MATCH EX. FLOOR LEVEL
F2		WOOD DECK NEW TREATED WOOD DECK ON SETTING BED ON EX. SUBSTRATE (CONC OR TIERED STEPS, (EXISTING ROOF.))

REVISIONS		
NO.	DATE	PARTICULAR
R1	2025.09.08	ISSUED FOR PERMIT/ TENDER

NOTES:



CLIENT:
Town of Newmarket

PROJECT:
22528
Central York Firehall 4-1 Interior Renovations

ADDRESS:
984 Gorham Street
Newmarket, Ontario

ORIGINAL PAGE SIZE ARCH D - 24' x 36'
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VG ARCHITECTS
THE VENTIN GROUP LTD

PROPOSED SECOND FLOOR PLAN

1:50

01 PROPOSED SECOND FLOOR PLAN
A2.2 1:50

FIRE SEPARATION NOTES AND LEGEND

- MAINTAIN ALL EXISTING FIRE SEPARATIONS SHOWN.
- PROVIDE NEW FIRE SEPARATION AS INDICATED.
- MAINTAIN 1 HOUR FIRE RESISTANCE RATING ASSUMED GROUND FLOOR TO SECOND FLOOR.

	EXISTING 1 HR. FIRE RESISTANCE RATING
	EXISTING 1.5 HR. FIRE RESISTANCE RATING
	NEW 1 HR. FIRE RESISTANCE RATING

GENERAL NOTES

- REPLACE EXISTING LIGHT FIXTURES WITH LED LIGHTS CEILING.
- REPLACE EXISTING CEILING TILES WHERE IS REQUIRED.
- REPLACE ALL EXISTING WINDOW BLINDS WITH NEW WINDOW BLINDS.

LEGEND

	EXISTING WALL TO REMAIN
	NEW WALL
	NEW SHEET VINYL FLOORING
	NEW WOOD DECK FLOORING
	FURNITURE (NOT IN CONTRACT)

SYMBOLS LEGEND

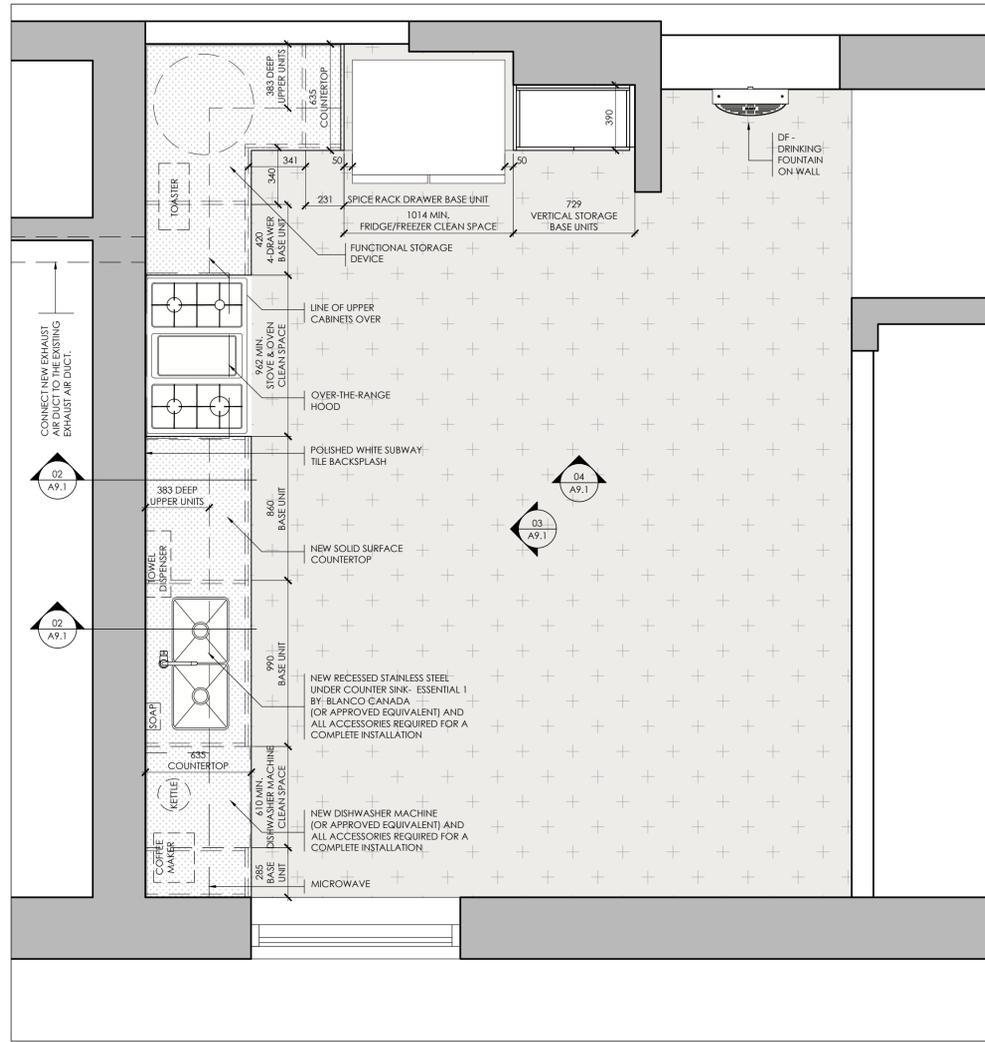
	ASSEMBLY TYPE		SECTION REFERENCE		GYPSUM BOARD		SHOWER HEAD
	WALL, TRIM & MILLWORK FINISHES OR DEMOLITION ACTIVITY		BUILDING ELEVATION REFERENCE		POURED CONCRETE		TOILET PAPER DISPENSER
	FLOOR FINISHES OR DEMOLITION ACTIVITY		ELEVATION REFERENCE		FLOOR DRAIN		HAND DRYER
	CEILING FINISHES OR DEMOLITION ACTIVITY		PLAN DETAIL REFERENCE		GRID LINE		COAT HOOK
	WINDOW TYPE		SECTION DETAIL REFERENCE		LINE OF CLEARANCES (TYP.)		ACTUATOR BUTTON
	DOOR TAG		SECTION DETAIL REFERENCE		DF - DRINKING FOUNTAIN		INDICATOR
	ROOM TAG & NAME		SECTION DETAIL REFERENCE				PUSH TO LOCK
	CEILING HEIGHT						MIRROR

ABBREVIATIONS

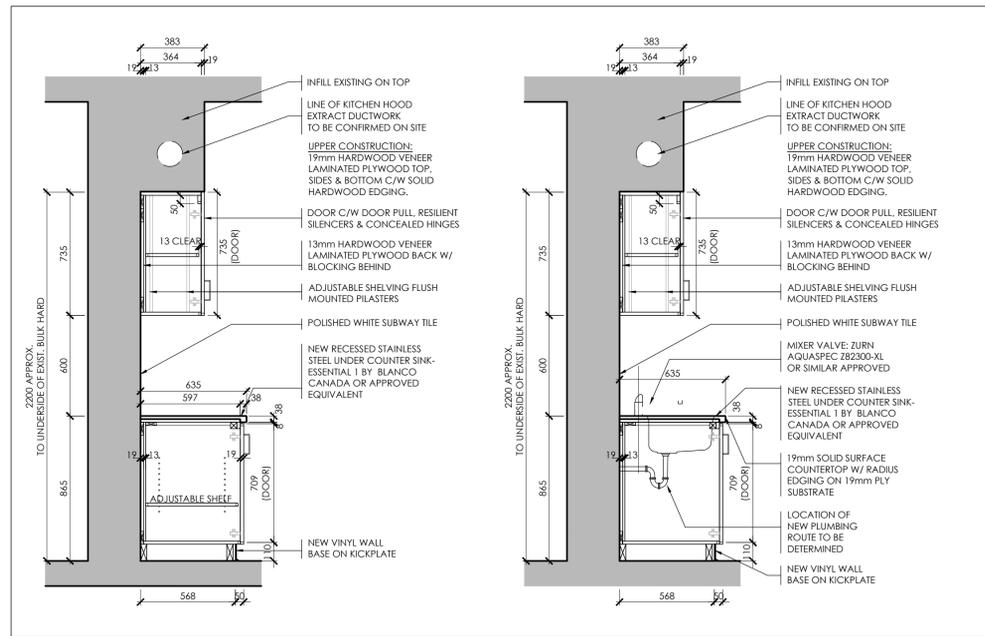
A.D.	AREA DRAIN	EXP	EXPOSED	PLYWD.	PLYWOOD	T/O	TOP OF
AFB	ACOUSTIC FIRE BATT INS.	EXST.	EXISTING	PCT	PORCELAIN TILE	TWSI	TACTILE WALKING
A.F.F.	ABOVE FINISH FLOOR	FDN	FOUNDATION	PREFRN	PREFINISHED	TYP	TYPICAL
ACT	ACOUSTIC CEILING TILE	F.C.	FIRE EXTINGUISHER CABINET	PNT	PAINT FINISH	U.N.O.	UNLESS NOTED OTHERWISE
ADO	AUTOMATIC DOOR OPERATOR	F.R.	FIRE RATED	PT	PRESSURE TREATED	U/S	UNDERSIDE
A.P.	ANNUNCIATOR PANEL	FRR	FIRE RESISTANCE RATING	PTD	PAPER TOWEL DISPENSER	U/S	UNDERSIDE
ALUM	ALUMINUM	FIG	FOOTING	R/A	RETURN AIR	VB	VAPOUR BARRIER
A.V.	AUDIO VISUAL	GLZ	GLAZING	R/O	ROUGH OPENING	VCT	VINYL COMPOSITE TILE
AWP-1	ACOUSTIC WALL PANEL	G.B.	GYPSUM BOARD	REINF	REINFORCED	V.O.J.	VERIFY ON JOB SITE
BBH	BASEBOARD HEATER	GWG	GEORGIAN WIRE GLASS	RH	ROBE HOOK	VSF	VINYL SAFETY FLOORING
BH	BULK HEAD	H.M.	HOLLOW METAL	RVL	ROUGH REVEAL	W/	WITH
BN	BULLNOSED	H.B.	HOSE BIB	R.O.	ROUGH OPENING	W/R	WASHROOM
BV	BRICK VENEER	HDWD	HARDWOOD	RT	RUBBER TREAD	WD.	WOOD
C.B.	CONCRETE BLOCK	HD	HAND / HAIR DRYER	RUB	RUBBER	WIN.	WINDOW
C.C.G.	CORNER GUARD	H.S.S.	HOLLOW STEEL SECTION	RWL	RAIN WATER LEADER	WPF	WATERPROOF FLOOR
CLG	CEILING	H.T.	HEIGHT	S/A	SUPPLY AIR	WPG	WATERPROOFING
C.J.	CONTROL JOINT	I.D.	INSIDE DIAMETER	SB	SOUND BLOCK	WSC	WOOD SOLID CORE
CONC.	CONCRETE	INS.	INSULATION	SPC	SPECIAL COATING		
CONCS	SEALED CONC.	LN	LINEOLEUM	SD	SOAP DISPENSER		
CONCH	HARDENED & SEALED CONC.	M.O.	MASONRY OPENING	S.D.G.	SEALED DOUBLE GLAZING		
CONCP	HARDENED, SEALED & POLISHED CONC.	M	MIRROR	SIM	SMALL		
		MTL	METAL	SOG	SLAB ON GRADE		
		N/A	NOT APPLICABLE	S.F.	SPORTS FLOORING		
CONT	CONTROL PANEL	N	NAPEN DISPENSER	S.S.	STAINLESS STEEL		
CP	CARPET	ND	NON-DISPENSAL	ST	STEEL		
CPT	CARPET TILE	N.L.C.	NOT IN CONTRACT	ST	STEEL		
CT	CERAMIC TILE	N.T.S.	NOT TO SCALE	STN	STAIN FINISH		
C/W	COMPLETE WITH	O/C	ON CENTRE	STR	STRUCTURE		
DF	DRINKING FOUNTAIN	O.D.	OUTSIDE DIAMETER	SUSP	SUSPENDED		
D.F.	EXPANSION JOINT	P.H.	PANIC HARDWARE	T.G.	TEMPERED GLASS		
E.P.	ELECTRICAL PANEL	PL	PLASTER	TM	TILED MIRROR		
EPX	EPOXY PAINT & PRIMER	PLAM	PLASTIC LAMINATE	TP	TOILET PAPER DISPENSER		

Plot Date: Sep 11, 2025 - 12:49pm By: tabouqueque
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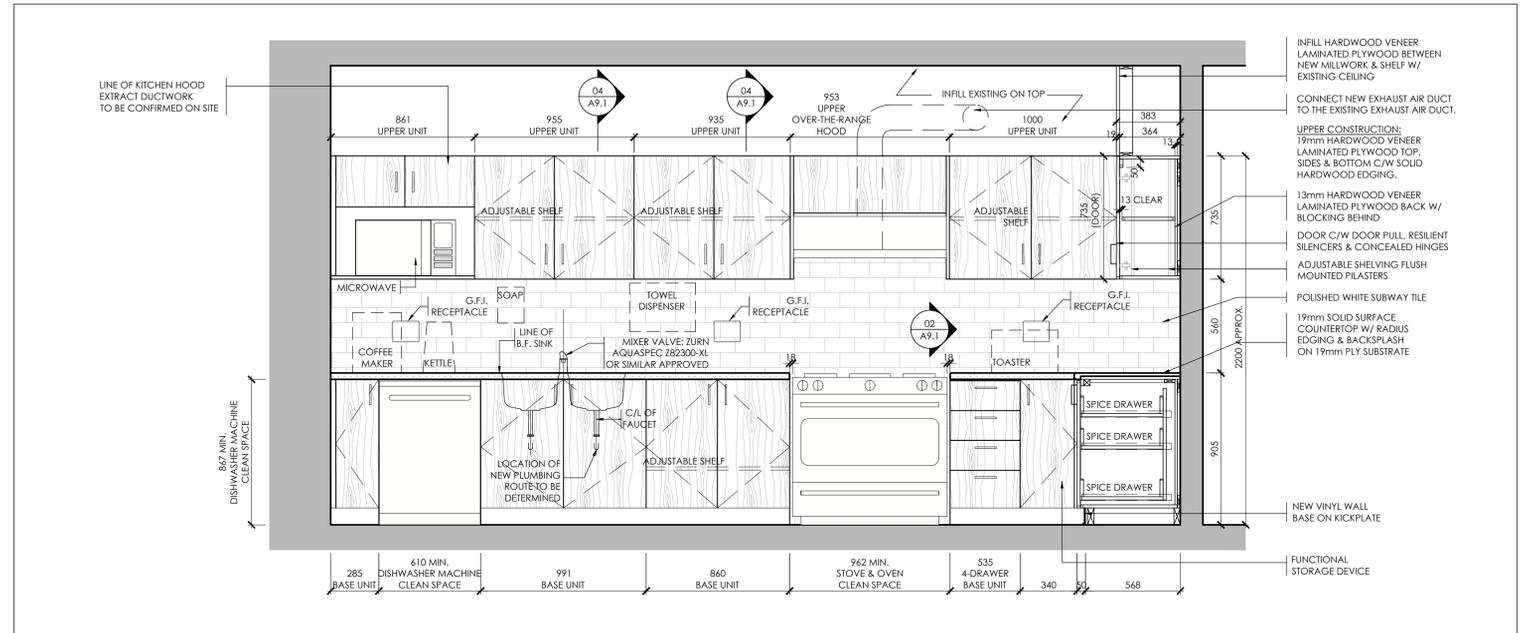
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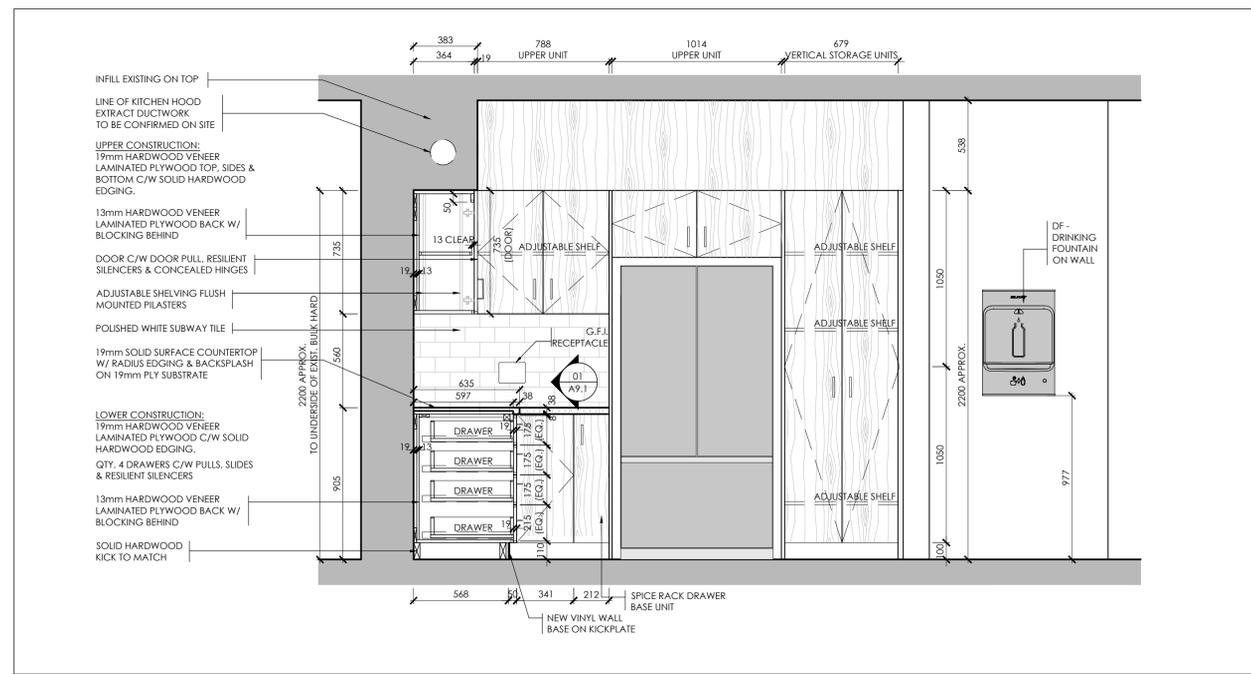
01 PLAN DETAIL - NEW MILLWORK KITCHEN (GROUND FLOOR)
A9.1 1:20



02 SECTION DETAILS OF NEW MILLWORK UNIT
A9.1 1:20



03 ELEVATION & SECTION DETAILS OF NEW MILLWORK UNIT
A9.1 1:20

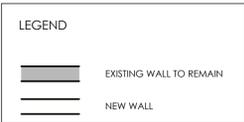


04 ELEVATION & SECTION DETAILS OF NEW MILLWORK UNIT
A9.1 1:20

GENERAL FINISH NOTE:

- ALL FINISHES SHOWN OR EQUIVALENTS SHALL BE TO THE APPROVAL AND ACCEPTANCE BY THE OWNER PRIOR TO FABRICATION

<p>BACKSPLASH: WHITE SUBWAY TILE PROJECT CERAMICA BY STONE TILE OR APPROVED EQUIVALENT</p>
<p>WALLS: ICI PAINTS, WEDDING WHITE, ORDER #A0071 #707Y/63/037</p>
<p>FORMICA 7412 PLANNED RAW OAK OR SIMILAR TO CLIENT'S APPROVAL</p>
<p>CEILING TILE: NEW MOISTURE RESISTANT ARMSTRONGS CORTEGA LAY-IN TILE OR SIMILAR APPROVED</p>
<p>CORIAN EVERFORM COLLECTION WHITE SFXE9 931 OR SIMILAR TO CLIENT'S APPROVAL</p>
<p>FLOORING: NEW SHEET VINYL OR SIMILAR TO CLIENT'S APPROVAL</p>



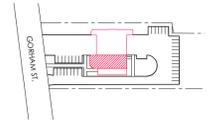
05 MATERIALS
A9.1 1:10

REVISIONS

NO.	DATE	PARTICULAR
R1	2025.09.08	ISSUED FOR PERMIT/ TENDER

NOTES:

KEY PLAN:



CLIENT:
Town of Newmarket



PROJECT:
22528
Central York Firehall 4-1 Interior Renovations

ADDRESS:
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Newmarket, Ontario

ORIGINAL PAGE SIZE ARCH D - 24" x 36"
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A - DETAIL NO.
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THOMAS ROBERT WILSON
LIGENDE
5748

ARCHITECTS
THE VENITIN GROUP LTD



THOMAS ROBERT WILSON
LIGENDE
5748

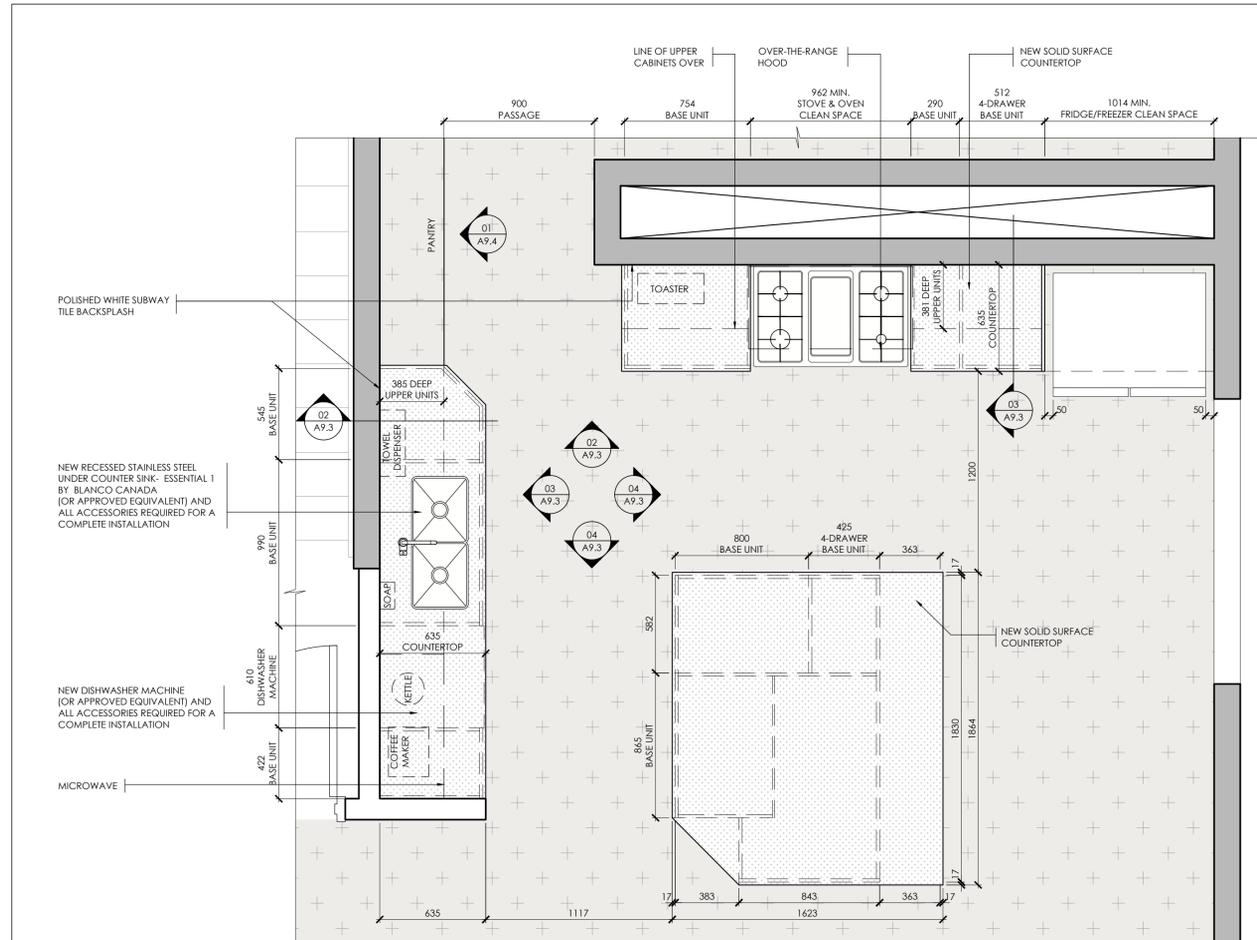
A9.1

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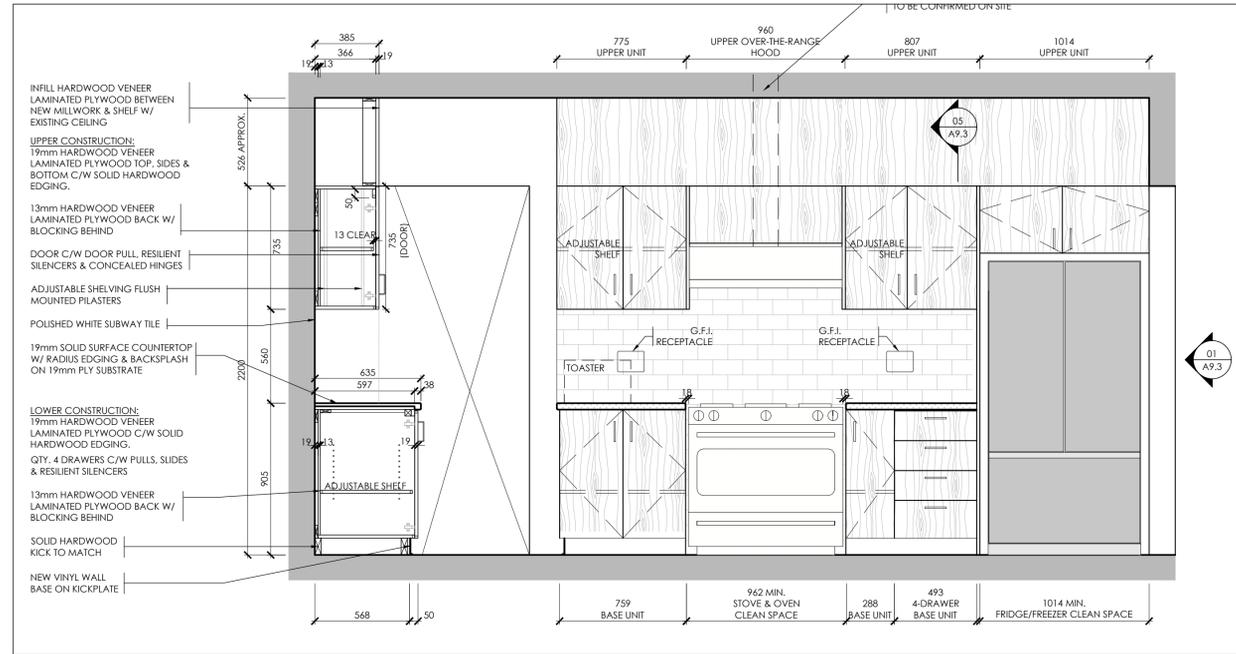
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MILLWORK DETAILS - KITCHEN

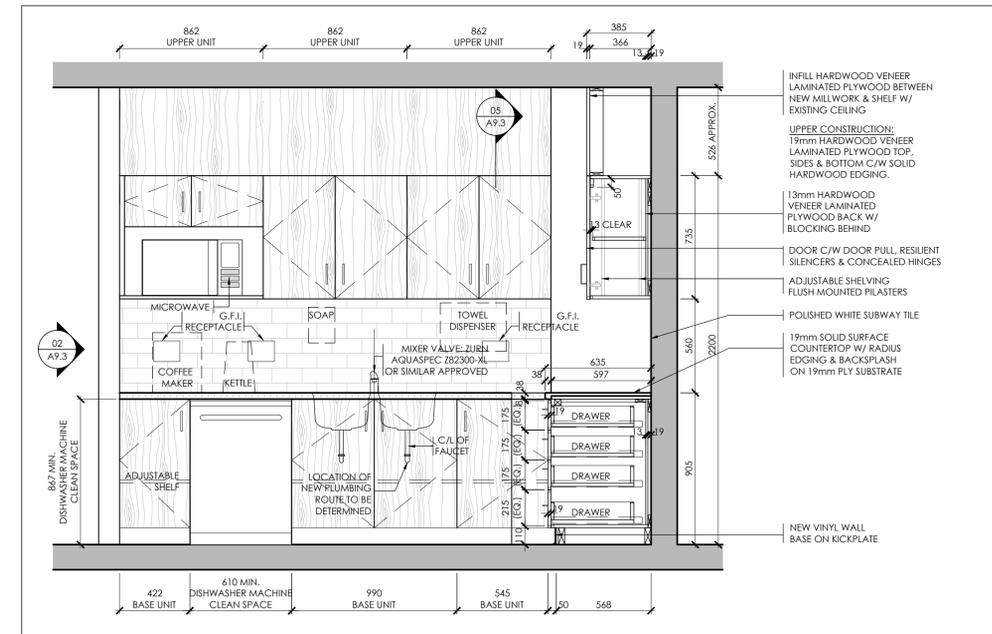
Filename: 21_22528 - Newmarket Fire Station 4-1 DRAWINGS\WD-CURRENT\22528 - A9.dwg
Plot Date: Sep 11, 2025 - 2:54pm By: rabuquerque



01 PLAN DETAIL - NEW MILLWORK KITCHEN (SECOND FLOOR)
A9.3 1:20



02 ELEVATION & SECTION DETAILS OF NEW MILLWORK UNIT
A9.3 1:20

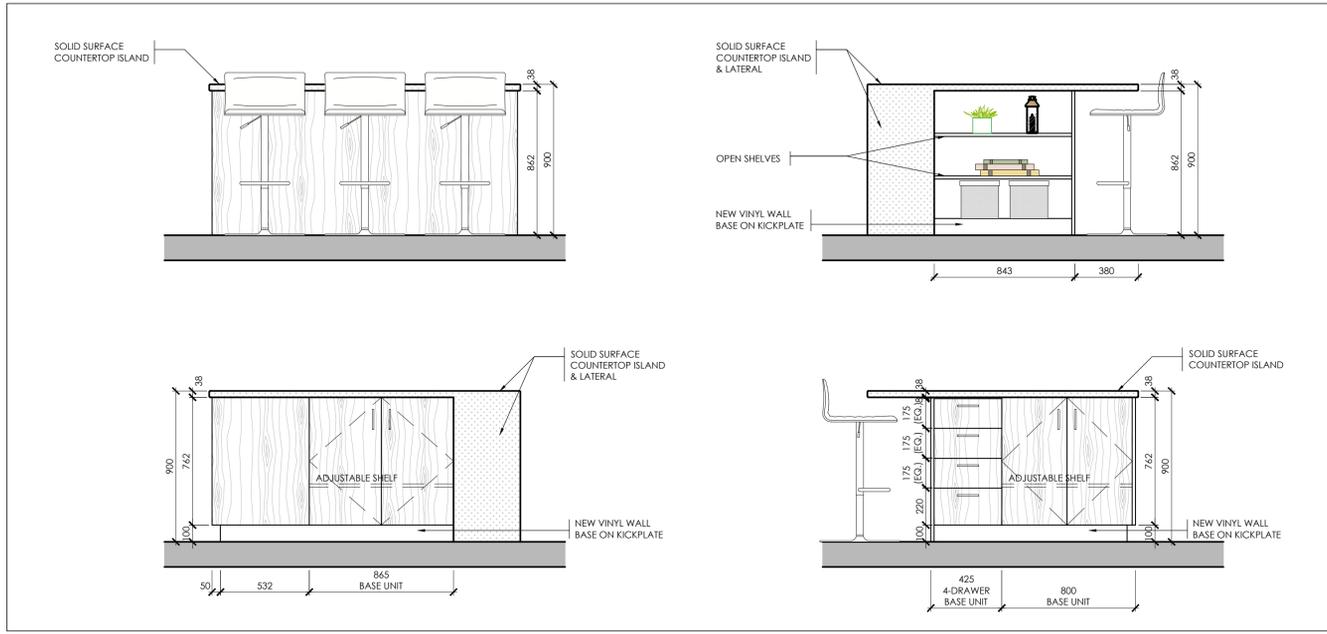


03 ELEVATION & SECTION DETAILS OF NEW MILLWORK UNIT
A9.3 1:20

GENERAL FINISH NOTE:
1. ALL FINISHES SHOWN OR EQUIVALENTS SHALL BE TO THE APPROVAL AND ACCEPTANCE BY THE OWNER PRIOR TO FABRICATION

<p>BACKSPLASH: WHITE SUBWAY TILE PROJECT CERAMICA BY STONE TILE OR APPROVED EQUIVALENT</p>	<p>WALLS: ICI PAINTS, WEDDING WHITE, ORDER #A0071 #703Y 83/837</p>	<p>FORMICA 7412 PLANKED RAW OAK OR SIMILAR TO CLIENT'S APPROVAL</p>
<p>CEILING TILE: NEW MOISTURE RESISTANT ARMSTRONG CORTEGA LAY-IN TILE OR SIMILAR APPROVED</p>	<p>FLOORING: NEW SHEET VINYL OR SIMILAR TO CLIENT'S APPROVAL</p>	<p>FLOORING: CORIAN EVERFORM COLLECTION WHITE SPEX 931 OR SIMILAR TO CLIENT'S APPROVAL</p>

05 MATERIALS
A9.3 1:10



04 ELEVATION DETAILS OF MILLWORK KITCHEN ISLAND (SECOND FLOOR)
A9.3 1:20

LEGEND

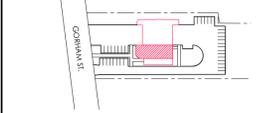
	EXISTING WALL TO REMAIN
	NEW WALL

REVISIONS

NO.	DATE	PARTICULAR
R1	2025.09.08	ISSUED FOR PERMIT/ TENDER

NOTES:

KEY PLAN:



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VG ARCHITECTS
THE VENIN GROUP LTD

THOMAS ROBERT WILSON
LIGENDE
5748

A9.3

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MILLWORK DETAILS - KITCHEN

Plot Date: Sep 11, 2025 - 2:57pm By: tabuquerque File name: Z:\22528 - Newmarket Fire Station 4-1\DRAWINGS\WD-CURRENT\22528 - A9.dwg

GENERAL

- 1. DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE ONTARIO BUILDING CODE LATEST EDITION AND NATIONAL BUILDING CODE LATEST EDITION.
2. CONTRACTOR SHALL CHECK ALL DIMENSIONS ON WORKING DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. ANY CHANGES, ALTERATIONS OR REVISIONS MUST BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. DRAWINGS SHALL NOT BE SCALED.
3. THESE DESIGN DOCUMENTS ARE PREPARED SOLELY FOR THE USE BY THE PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS ENTERED INTO A CONTRACT AND THERE ARE NO REPRESENTATIONS OF ANY KIND MADE BY THE DESIGN PROFESSIONAL TO ANY PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS NOT ENTERED INTO A CONTRACT.
4. UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, NO PROVISION HAS BEEN MADE IN THE DESIGN FOR CONDITIONS OCCURRING DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING AND SHORING REQUIRED FOR THE STRESSES AND INSTABILITY OCCURRING FROM ANY CAUSE DURING CONSTRUCTION. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL SUCH MEASURES. IT SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL NECESSARY BRACING, SHORING, SHEET, PILING OR STRUCTURES AFFECTED BY THIS WORK.
5. DESIGN LIVE LOADS SHALL NOT BE EXCEEDED DURING CONSTRUCTION.
6. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS - O.REG.213.
7. THESE DRAWINGS SHALL BE COORDINATED AND READ IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
8. WHERE THERE IS A CONFLICT IN THE SPECS AND/OR DRAWINGS THE MORE STRINGENT SHALL APPLY UNLESS APPROVED OTHERWISE IN WRITING BY THE ENGINEER.
9. ALL SPECIFICATIONS LISTED ARE TO LATEST EDITIONS IN FORCE AT TIME OF TENDERING.

MASONRY

- 1. ALL MASONRY WALLS SHALL BE REINFORCED WITH DUR-O-WALL LADDER DESIGN (OR APPROVED EQUAL) HOT DIPPED GALVANIZED CONTINUOUS REINFORCEMENT AT EVERY SECOND COURSE 400mm. REINFORCEMENT SHALL BE INSTALLED IN THE FIRST AND SECOND BED JOINTS 200mm APART, IMMEDIATELY ABOVE LINTELS AND BELOW SILLS. REINFORCEMENT IN THE SECOND BED JOINT ABOVE LINTELS AND BELOW SILLS SHALL EXTEND 400mm BEYOND THE JAMB. ALL OTHER REINFORCEMENT SHALL BE CONTINUOUS AND SIDE RODS SHALL BE LAPPED AT LEAST 150mm AT SPICES. REINFORCEMENT SHALL BE PLACED AS TO ASSUME 16mm MORTAR COVER ON THE EXTERIOR FACE OF WALL AND 12mm COVER ON THE INTERIOR FACE OF WALL. (SEE CONCRETE BLOCK WALL REINFORCING SCHEDULE).
2. TYPE S MORTAR SHALL BE USED THROUGHOUT FOR ALL LOAD BEARING WALLS. TYPE N MORTAR SHALL BE USED FOR NON-LOAD BEARING PARTITIONS AND BRICK OR BLOCK VENEER.
3. MORTAR COMPRESSIVE STRENGTHS: [JOB PREPARED MIX]
TYPE S: MINIMUM 28 DAY STRENGTH = 8.5MPa, MAXIMUM 28 DAY STRENGTH = 12.5MPa
TYPE N: MINIMUM 28 DAY STRENGTH = 3.5MPa, MAXIMUM 28 DAY STRENGTH = 7.5MPa
MORTAR MIX PROPORTIONS:
MIX ACCORDING TO CURRENT CSA STANDARD A179-14.
MORTAR MIX SHALL BE TESTED FOR STRENGTH AND APPROVED BY THE ENGINEER PRIOR TO USE ON THE JOB.
FOR EXTERIOR BRICK VENEER ONLY USE PORTLAND CEMENT LIME MORTAR TYPE N - 1 PART PORTLAND PORTLAND-LIMESTONE, OR BLENDED CEMENT; 1 PART HYDRATED LIME OR LIME PUTTY; 4 PARTS SAND MEASURED IN DAMP, LOOSE STATE [1:1:6 BY VOLUME] IN ACCORDANCE WITH TABLE 3.
FOR EXTERIOR BLOCK VENEER USE REGULAR TYPE N.
4. ALL MASONRY WALL TO BE CONSTRUCTED WITH FULL MORTAR JOINTS.
5. SPACING OF MASONRY CONTROL JOINTS IN ALL WALLS SHALL NOT EXCEED 6.0m (20'-0") O.C.
6. MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF LOAD BEARING CONCRETE BLOCK MASONRY UNITS SHALL BE: 20MPa FOR HOLLOW UNITS, BASED ON NET AREA.
7. ALL MASONRY UNDER CONCENTRATED LOADS SHALL HAVE VOIDS FILLED WITH 20MPa GROUT FOR WIDTH AND DEPTH EQUAL TO 3 TIMES THE LENGTH OF BEARING, MINIMUM 600mm WIDE x 400mm DEEP.
8. FOR MASONRY OPENINGS NOT SHOWN ON DRAWINGS PROVIDE 1L-89x89x6.4 FOR EACH 100mm THICKNESS OF WALL OPENINGS UP TO 600mm AND 1L-89x89x9.5 FOR OPENINGS UP TO 1200mm, IF OPENING IS WIDER THAN 1200mm NOTIFY ENGINEER FOR LINTEL SIZE VERIFICATION PRIOR TO FABRICATION AND INSTALLATION.
9. ALL MASONRY WALL SHALL BE PROPERLY SHORED DURING CONSTRUCTION UNTIL STRUCTURAL STEEL AND SLABS ARE IN PLACE.
10. PROVIDE BEARING PLATES FOR JOISTS SUPPORTED BY MASONRY WALLS. ALL BEARING PLATES SHALL BE DESIGNED ACCORDING TO THE REQUIREMENTS OF CSA S16.1. THEY SHALL BE ANCHORED WITH MINIMUM 1-20mm DIAMETER 450mm HOOKED RODS WELDED TO PLATES AND EMBEDDED INTO GROUT FILL WITH A MINIMUM STRENGTH OF 20MPa. ALLOWABLE BEARING STRESS ON MASONRY FOR DESIGN OF BEARING PLATES SHALL NOT EXCEED 175PSI (1.2MPa).
11. TESTING: MORTAR AND GROUT SHALL BE TESTED IN ACCORDANCE WITH CSA STANDARD A179-14. CONCRETE MASONRY UNITS SHALL BE TESTED IN ACCORDANCE WITH CSA STANDARD A165 SERIES-14.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 WITH ONE SHOP COAT AND FIELD TOUCH-UP OF ZINC CHROMATE PRIMER, CONFORMING TO CSCG/CPMA STANDARD 1-73A ONE-COAT PAINT AND CSCG/CPMA STANDARD 2-75 PRIMER, AND IT SHALL BE PAINTED TO OWNERS SPECIFICATION. ALL W-SHAPES & S-SHAPES SECTIONS SHALL CONFORM TO ASTM A992, ASTM A572 GRADE 50 Fy=345MPa. ALL C-SHAPES SECTIONS & ANGLES SHALL CONFORM TO G40.21-350W Fy=350MPa. ALL HSS HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO G40.21-350W CLASS C Fy=350MPa. ALL OTHERS (PLATES, RODS) SHALL CONFORM TO G40.21-300W Fy=300MPa.
2. FABRICATION AND ERECTION SHALL CONFORM TO LATEST EDITION OF CSA STANDARD S16:19. NO SPICING WILL BE PERMITTED UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS.
3. ALL FIELD BOLTS SHALL BE ASTM A325 HIGH STRENGTH BOLTS IN BEARING TYPE CONNECTIONS.
4. ALL BEAM-TO-BEAM CONNECTIONS AND BEAM-TO-COLUMN CONNECTIONS SHALL HAVE DOUBLE ANGLE CONNECTIONS UNLESS NOTED OTHERWISE AND BE IN ACCORDANCE TO CSA STANDARD CONNECTIONS.
5. WELD ALL BEAMS TO BEARING PLATES OR SUPPORTING MEMBERS WITH MINIMUM 50mm x5mm FILLET WELDS ON BOTH SIDES OF MEMBER, UNLESS NOTED OTHERWISE.
6. WELDING OF STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF LATEST EDITION OF CSA STANDARD W59-18 AND SHALL BE UNDERTAKEN BY A FABRICATOR AND ERECTOR FULLY APPROVED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF LATEST EDITION OF CSA STANDARD W47.1:19, DIVISION 1 OR DIVISION 2.1.
7. ALL ROOF OPENINGS TO BE REINFORCED BY CONTINUOUS C150x12 (OR C130x10 FOR OPENINGS UP TO 1200mm) CHANNEL FRAMES AT PERIMETER OF OPENINGS UNLESS NOTED OTHERWISE.
8. ALL CONNECTIONS SHALL BE DESIGNED FOR MIN. 50% OF THE FULL SHEAR CAPACITY OF THE MEMBER UNLESS MEMBER CONNECTION LOADS ARE SHOWN ON THE DRAWINGS.
9. STEEL BEAMS AND LINTELS SHALL HAVE 200mm MINIMUM END BEARING ON MASONRY AND 65mm MINIMUM BEARING ON STEEL UNLESS INDICATED OTHERWISE.
10. UNDERSIDE OF BEAM BEARING PLATES SHALL BE GROUTED WITH 40mm NON-SHRINK GROUT.
11. WHERE STRUCTURAL STEEL MEMBERS ARE CALLED FOR ON ARCHITECTURAL DRAWINGS BUT NOT ON STRUCTURAL DRAWINGS USE 6.4mm THICKNESS MIN. FOR ANGLES AND PLATES AND MIN. BEAM WEIGHT FOR TENDERING PURPOSES.

INSPECTIONS AND TESTING

THE FOLLOWING ITEMS SHALL BE INSPECTED OR TESTED BY INDEPENDENT INSPECTION/TESTING AGENCIES DESIGNATED BY THE CLIENT. MATERIALS AND WORKMANSHIP NOT CONFORMING TO THE SPECIFICATIONS SHALL BE REJECTED BY THE CONTRACTOR. REPORTS AND TEST RESULTS SHALL BE PROMPTLY SUBMITTED TO THE ENGINEER FOR REVIEW. TESTING SHALL INCLUDE BUT NOT BE LIMITED TO:

STRUCTURAL STEEL

VISUAL INSPECTION OF ALL WELDS, TESTING OF BOLTED CONNECTIONS AND CHECK ON BEARING, PLUMBNESS AND ALIGNMENT OF STEEL STRUCTURES. INSPECTIONS SHALL CONFORM TO CSA STANDARD S16:19.

NON-DESTRUCTIVE TESTING TO VERIFY THE QUALITY OF WELDING, WHERE DEEMED QUESTIONABLE BY VISIBLE DEFECTS OR WHERE REQUIRED BY THE ENGINEER.

SHOP DRAWINGS AND SUBMITTALS

GENERAL

- 1. SHOP DRAWINGS SHALL BE SUBMITTED. THE ERECTION DRAWINGS SHALL BE DRAWN USING THE MINIMUM SCALE THAT WAS USED FOR THE TENDER DRAWINGS. DETAILS MUST BE OF A SCALE THAT IS LEGIBLE.
2. PRIOR TO SUBMITTING TO CONSULTANTS, CONTRACTOR'S REVIEW STAMP TO BE ON ALL SHOP DRAWINGS.
3. SEPIAS OR REPRODUCTION OF THE STRUCTURAL DRAWINGS SHALL NOT BE ACCEPTED AS SHOP DRAWINGS. PROFESSIONAL ENGINEER IN THE FOLLOWING PARAGRAPHS SHALL BE REGISTERED AND LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO.
4. REVIEW OF SHOP DRAWINGS APPLIES TO THE GENERAL ARRANGEMENT FOR THE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT AND COMPLIANCE WITH OBC REQUIREMENTS. THIS REVIEW DOES NOT IMPLY APPROVAL OF DETAIL DESIGN OR QUANTITIES IN SUBMITTED DRAWINGS, NOR DOES IT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR MAKING THE WORK COMPLETE, ACCURATE AND IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS AND COMPLIANCE WITH OBC REQUIREMENTS. ALLOW 10 WORKING DAYS FOR SHOP DRAWING REVIEW.
5. SHOP DRAWING SUBMITTALS SHALL ALSO INCLUDE CLADDING CONNECTION DETAILS, PRECAST AND STEEL STAIR DETAILS, EXTERIOR GRATING DETAILS AND SAFETY GUARDS, WHICH SHALL SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE CURRENT ONTARIO BUILDING CODE.

STRUCTURAL STEEL

- 1. SUBMIT WITH SHOP DRAWINGS: DECKING PLAN, PROFILE, DIMENSIONS, CORE THICKNESS, CONNECTIONS TO SUPPORTS, REQUIRED BEARINGS, CLOSURES AND ACCESSORIES.
2. SUBMIT FOR REVIEW OF ERECTION DRAWINGS FOR ALL STRUCTURAL STEEL ELEMENTS.
3. SHOP DRAWING SUBMITTALS SHALL INCLUDE STEEL BEAM CONNECTIONS.

RECORD DRAWINGS

GENERAL CONTRACTOR SHALL MAINTAIN TWO SETS OF RECORD DRAWINGS WHICH SHOW AS-BUILT DETAILS OF ALL ASPECTS OF THE STRUCTURE, FOR REVIEW DURING CONSTRUCTION AND FOR SUBMISSION AT THE END OF THE PROJECT.

TEMPORARY SHORING & BRACING

GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE PROPER TEMPORARY SHORING & BRACING FOR NEW OR EXISTING MASONRY WALLS AND ALL OTHER STRUCTURAL ELEMENTS IN ACCORDANCE WITH RECOGNIZED CONSTRUCTION PRACTICE.
1. BRACING IS REQUIRED UNTIL FLOOR SLAB AND/OR ROOF DECK ARE IN PLACE AND PROPERLY SECURED TO BEAMS AND/OR JOISTS.
2. SHORING IS REQUIRED UNTIL PROPOSED STRUCTURE IS PROPERLY IN PLACE.
3. SHORING & BRACING SHALL BE DESIGNED, REVIEWED AND APPROVED BY CONTRACTOR'S ENGINEER.
4. SHORING SHOP DRAWINGS SHALL BE SUBMITTED WITH ENGINEER'S STAMP FOR OUR REVIEW PRIOR TO CONSTRUCTION.

DIMENSIONS FOR EXISTING STRUCTURE

ALL DIMENSIONS FOR EXISTING STRUCTURAL ELEMENTS SHOWN ON DRAWINGS ARE APPROXIMATE ONLY. THESE DIMENSIONS SHALL BE SITE VERIFIED & ANY DISCREPANCIES SHALL BE REPORTED TO PROJECT ENGINEER BEFORE PROCEEDING WITH WORK.

REVISIONS

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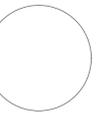
CLIENT: TOWN OF NEWMARKET

PROJECT: 22528

Central York Firehall 4-1 Interior Renovations
Newmarket, Ontario
984 Gorham Street

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A - DETAIL NO.
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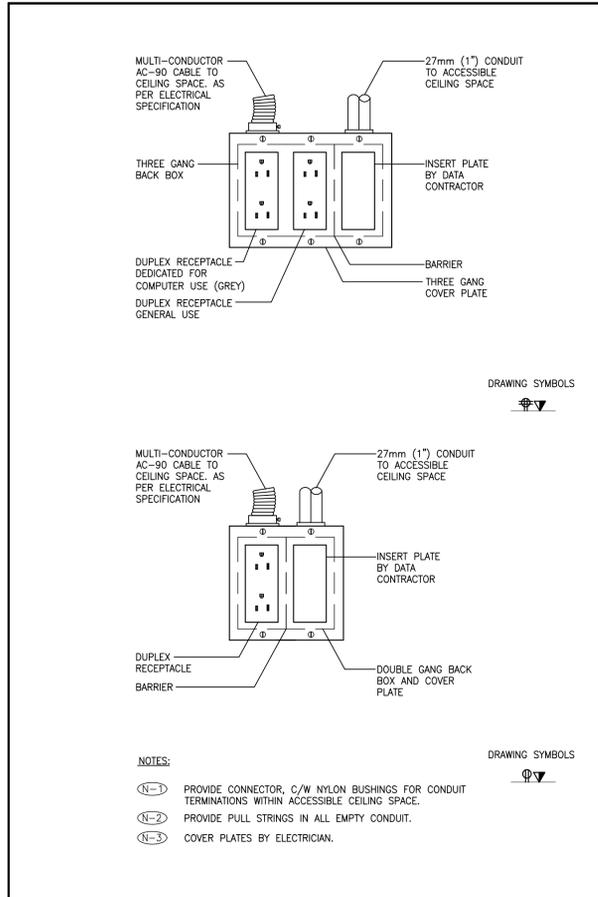
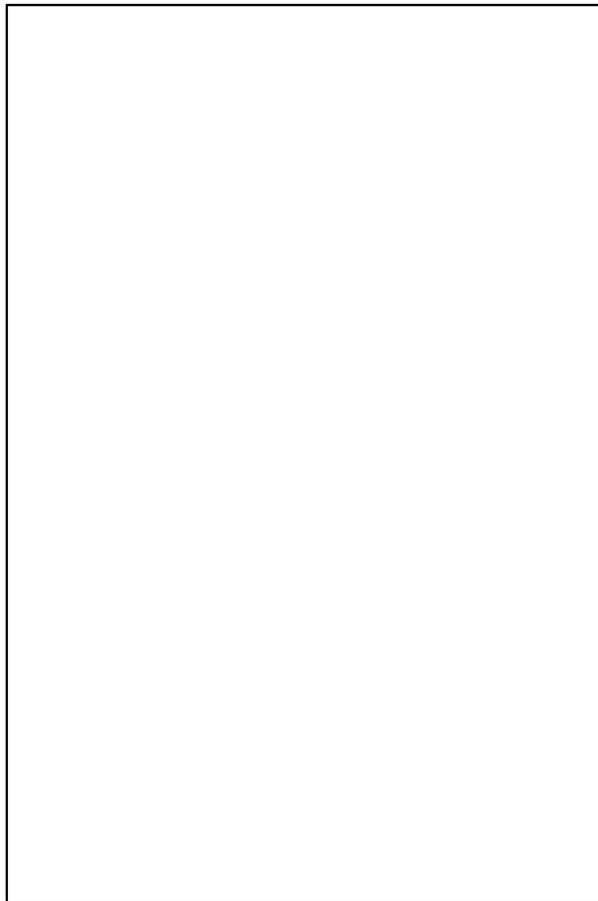
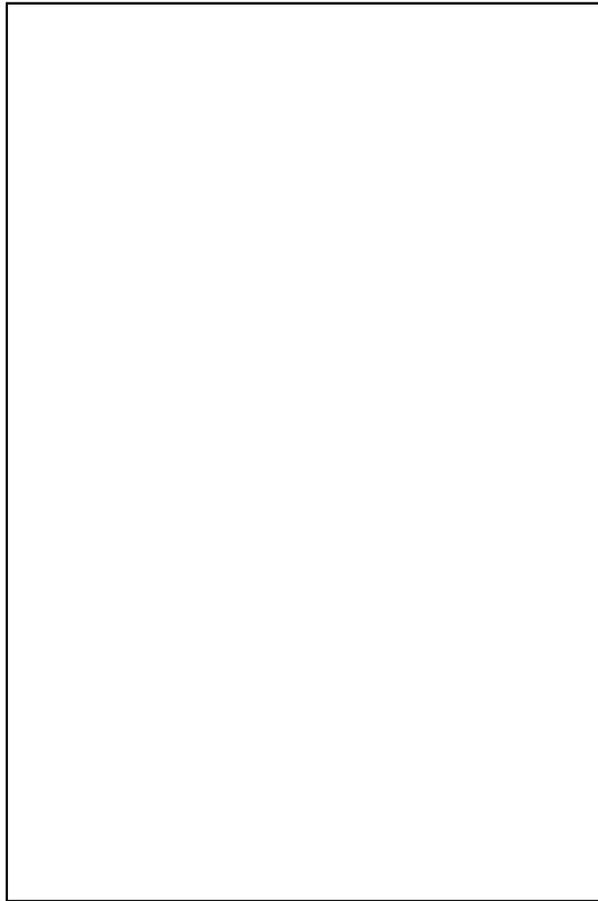


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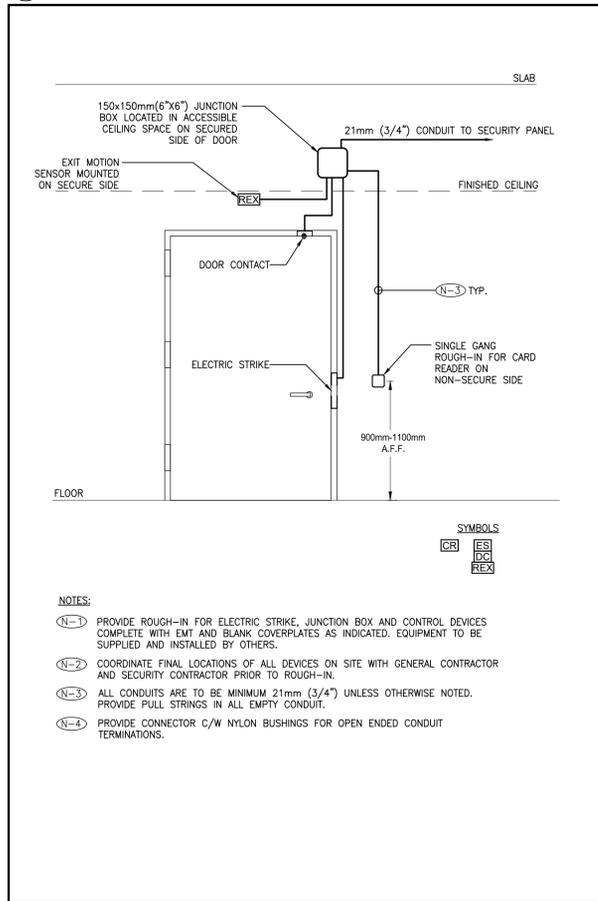
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STRUCTURAL NOTES



3 POWER AND COMMUNICATIONS OUTLETS



4 SECURITY DOOR ROUGH-IN - SINGLE DOOR C/W ELECTRIC STRIKE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ALARM INITIATING DEVICES			
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR		AIR SAMPLING SYSTEM C/W SUPERVISORY AND ALARM ZONE
	WALL MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR		MANUAL PULL STATION
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR C/W RELAY BASE		ALARM FLOW SWITCH (SUPPLIED BY OTHERS)
	CEILING MOUNTED RATE-OF-RISE HEAT DETECTOR		ALARM PRESSURE SWITCH (SUPPLIED BY OTHERS)
	WALL MOUNTED RATE-OF-RISE HEAT DETECTOR		ALARM CHECK VALVE (SUPPLIED BY OTHERS)
	CEILING MOUNTED FIXED TEMPERATURE HEAT DETECTOR		ALARM DRY PIPE VALVE (SUPPLIED BY OTHERS)
	WALL MOUNTED FIXED TEMPERATURE HEAT DETECTOR		BEAM SMOKE DETECTOR (TRANSMITTER)
	DUCT TYPE PHOTO-ELECTRIC SMOKE DETECTOR		BEAM SMOKE DETECTOR (RECEIVER)
	CEILING MOUNTED COMBINATION HEAT + SMOKE DETECTOR		FLAME DETECTOR
	LOCAL 120V SMOKE ALARM		
	LOCAL 120V COMBINATION CARBON MONOXIDE AND SMOKE ALARM		
	LOCAL 120V CARBON MONOXIDE DETECTOR		
	LOCAL 120V COMBINATION STROBE AND SMOKE ALARM		
SUPERVISORY INITIATING DEVICES			
	LOW PRESSURE SUPERVISED SWITCH (SUPPLIED BY OTHERS)		
	SPRINKLER SUPERVISED VALVE (SUPPLIED BY OTHERS)		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

1 FIRE ALARM LEGEND 1 OF 2

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
SIGNALLING DEVICES			
	HORN		CEILING MOUNTED EMERGENCY EVACUATION SPEAKER
	DOUBLE SIDED HORN		WALL MOUNTED EMERGENCY EVACUATION SPEAKER
	HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.		CEILING MOUNTED EMERGENCY EVACUATION SPEAKER + STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	DOUBLE SIDED HORN+STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.		WALL MOUNTED EMERGENCY EVACUATION SPEAKER + STROBE COMBINATION. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	MINI HORN		
	SPEAKER HORN		
	FIRE ALARM BELL, 103mm(4") UNLESS OTHERWISE NOTED.		CEILING MOUNTED FIRE ALARM STROBE. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	FIRE ALARM BELL+STROBE, 103mm(4") BELL UNLESS OTHERWISE NOTED, 15CD INTENSITY UNLESS OTHERWISE NOTED.		WALL MOUNTED FIRE ALARM STROBE. STROBE INTENSITY TO BE MIN. 15CD UNLESS OTHERWISE NOTED.
	10 MINUTES SILENCE SWITCH FOR SPEAKERS IN SUITES		
ANCILLARY DEVICES			
	ISOLATION MODULE		TROUBLE AND ALARM CONNECTION TO PRE-ACTION CONTROL PANEL
	FIELD INSTALLED ADDRESSABLE CONTROL POINT		FLOOR MOUNTED DOOR HOLD OPEN DEVICE
	"FIRE, DO NOT ENTER" SIGN		WALL MOUNTED DOOR HOLD OPEN DEVICE
	FIRE ALARM PASSIVE GRAPHIC		FIRE ALARM PANEL CONTROL, DSP OR ANNUNCIATOR AS NOTED.
	VIDEO DISPLAY TERMINAL, FOR BUILDING OPERATIONS PERSONNEL		END-OF-LINE RESISTOR TERMINATION
	SUPERVISED FIRE FIGHTERS HAND SET		SMOKE DAMPER, USED IN CONJUNCTION WITH MONITORING DEVICE FOR POSITION ANNUNCIATION AND CONTROL DEVICE
	FIRE ALARM SHUT DOWN		
	FIRE ALARM START UP		
	REMOTE TESTING STATION FOR DUCT SMOKE DETECTORS		
	FIELD INSTALLED MONITORING MODULE FOR ALARM OR SUPERVISORY		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

2 FIRE ALARM LEGEND 2 OF 2

REVISIONS

NO.	DATE	ISSUES
1	2025.08.27	ISSUED FOR REVIEW
2	2025.09.08	ISSUED FOR PERMIT/TENDER

STAMP:



PROJECT CONTACT

NAME: Wun Yan Chow
TEL: 437 225 6526
EMAIL: Wunyan.Chow@smithandandersen.com

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATION SUBMITTED FOR THIS PROJECT.

NORTH:



CONSULTANT:



Smith + Andersen
1100 - 100 Sheppard Ave. East, Toronto On, M2N 6N5
416 487 8151 f 416 487 9104 smithandandersen.com

PROJECT:

Central York Firehall 4-1 Interior Renovations
984 Gorham Street
Newmarket, Ontario

SHEET TITLE:

ELECTRICAL LEGENDS AND DETAILS

PROJECT NUMBER:

25274.001.E.001

SCALE:

NTS

DRAWN BY:

WYC

CHECKED BY:

NC

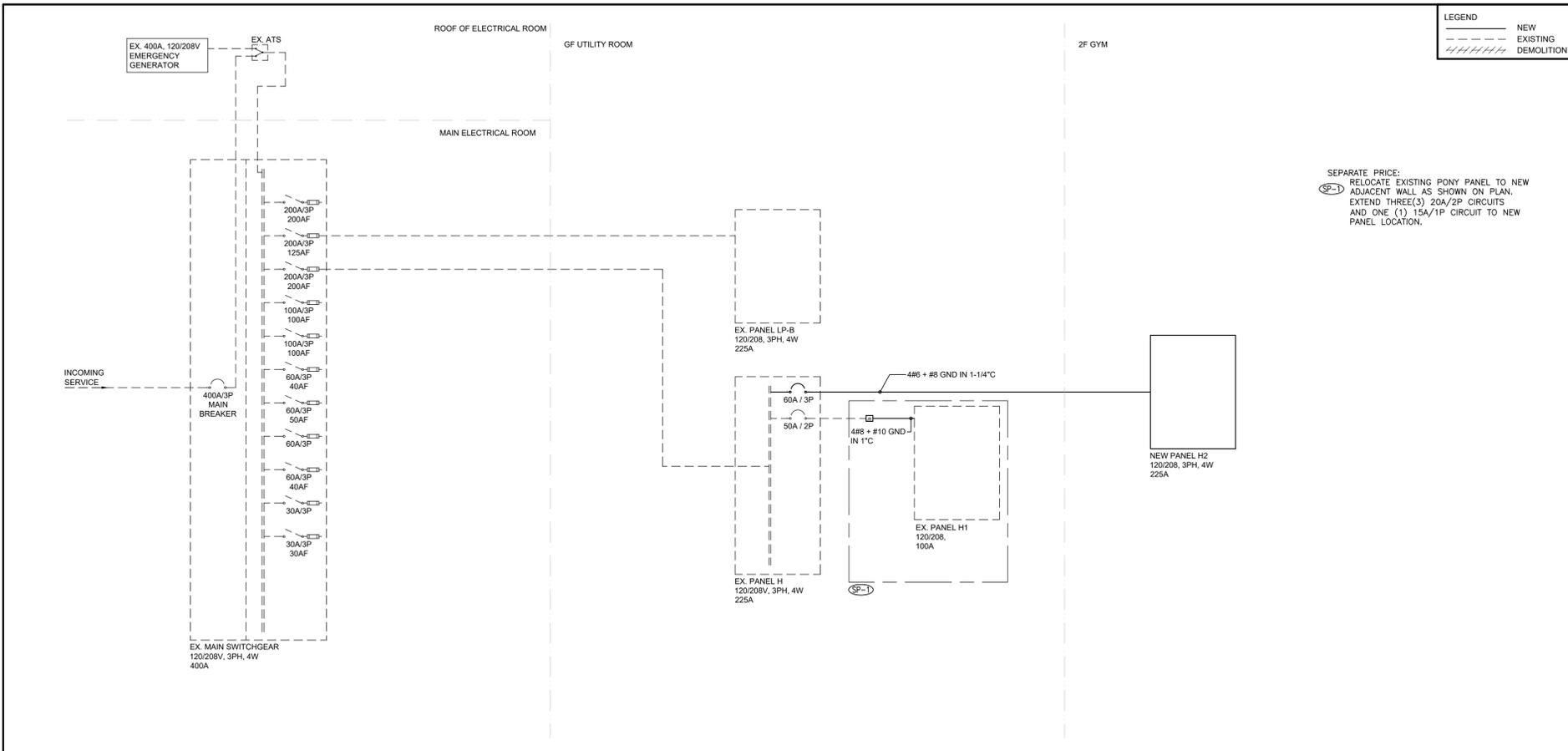
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TE-0.2

UNIT DESIGNATION	LOCATION OF BATTERY UNIT	TYPE	QTY	WATTAGE	TOTAL LOAD	VOLTAGE	TOTAL CAPACITY (WH)	MAXIMUM CAPACITY (WH)	BATTERY UNIT CAPACITY (WH)	RUNTIME REQUIRED (hr)
BU-1	UTILITY 115	X1	4	2.5 W	10 W	24 V	70 WH	144 WH	432 WH	2HR
		R1	5	12 W	60 W	24 V				
BU-2	ENTRANCE (100)	X1	3	2.5 W	8 W	24 V	68 WH	144 WH	432 WH	
		R1	5	12 W	60 W	24 V				
BU-3	GYM 207	X1	4	2.5 W	10 W	24 V	106 WH	144 WH	432 WH	
		R1	8	12 W	96 W	24 V				
BU-4	GYM 207	X1	1	2.5 W	3 W	24 V	27 WH	144 WH	432 WH	
		R1	2	12 W	24 W	24 V				

NOTES:
1. Provide all mounting shelves for installation of battery units. Site to suit.
2. Provide breaker lock-on device for all circuits feeding battery units.
3. The electrical contractor is to measure the illumination of the floor at night with emergency lighting on only, and send a drawing showing the maximum and minimum level of illumination, to the consulting engineer, for review. Provide written confirmation that emergency lighting has been installed in accordance with contract documents and latest edition of the Ontario Building Code sections [3.2.7.3 and 3.2.7.4]. Letter to be included as part of close-out document submittal package.
4. Refer to drawings for exact Quantities and locations.

5 BATTERY UNIT SCHEDULE



1 SINGLE LINE DIAGRAM

DESCRIPTION	MANUFACTURER
CEILING MOUNTED	WATTSTOPPER CEILING OCCUPANCY SENSOR DUAL TECHNOLOGY CAT#: DT-355 APPROVE OR EQUAL
WALL MOUNTED	WATTSTOPPER DUAL TECH WALL SWITCH OCCUPANCY SENSOR CAT#: DSW-301 APPROVE OR EQUAL

6 LIGHTING CONTROL SCHEDULE

TYPE	DESCRIPTION	D.F.	CONN. [%]	DEMAND [kW]	BRK [A]	CCT [A]	NO. [A]	NO. [B]	NO. [C]	DEMAND [kW]	CONN. [%]	D.F.	DESCRIPTION	TYPE
BBH (EX)				15	1	A	2	20					BBH (EX)	
BBH (EX)				15	3	B	4	20					BBH (EX)	
BBH (EX)				15	9	C	6	20					BBH (EX)	
PONY PANEL				20	7	A	8	20						
BBH (EX)				60	9	B	10	20	100	250	40		BBH (EX)	
BBH (EX)				20	11	C	12	20	100	250	40		BBH (EX)	
BBH (EX)				20	13	A	14	20					BBH (EX)	
BBH (EX)				20	15	B	16	20					BBH (EX)	
BBH (EX)				20	17	C	18	20					BBH (EX)	
DUCT HEATER (EX)				20	19	A	20	20					BBH (EX)	
DUCT HEATER (EX)				15	21	B	22	20					BBH (EX)	
DUCT HEATER (EX)				15	23	C	24	20					BBH (EX)	
DUCT HEATER (EX)				30	25	A	26	20	200	500	40		BBH	
DUCT HEATER (EX)				15	27	B	28	20	200	500	40		BBH	
DUCT HEATER (EX)				15	29	C	30	40					EXISTING	
EXISTING				30	31	A	32	20						
EXISTING				15	33	B	34	15						
EXISTING				20	35	C	36	20						
EXISTING				15	37	A	38	15						
EXISTING				20	39	B	40	20						
EXISTING				15	41	C	42	15						

4 PANEL SCHEDULE

TYPE	DESCRIPTION	D.F.	CONN. [%]	DEMAND [kW]	BRK [A]	CCT [A]	NO. [A]	NO. [B]	NO. [C]	DEMAND [kW]	CONN. [%]	D.F.	DESCRIPTION	TYPE	
BOARDROOM REC				50	300	150	15	1	A	2	15	20	100	EXIT SIGNS	
BOARDROOM REC				50	300	150	15	3	B	4	15	20	500	SPARE	
CONVENIENCE RECS				50	300	150	15	5	C	6	15	250	500	50	NEW DORMITORY RECS
HANDYWER				40	450	180	15	7	A	8	15	250	500	50	NEW DORMITORY RECS
FRIDGE				60	600	360	15	9	B	10	15	330	550	60	CAPTAIN'S OFFICE RECS
MICROWAVE				40	1000	400	15	11	C	12	15	330	550	60	EXISTING OFFICE #1 RECS
STOVE				40	300	90	20	13	A	14	15	330	650	60	OFFICE #2 RECS
				20	15	B	16	15	330	550	60	OFFICE #4.5 RECS			
LIGHTING ZONE #3				40	828	487	15	17	C	18	15	160	400	40	DORMROR 110 RECS
LIGHTING ZONE #6				60	855	573	15	19	A	20	20			100	EXHAUST FAN
COFFEE MACHINE				100	500	500	15	21	B	22	15	241	452	60	LIGHTING ZONE #1
KITCHEN REC				40	300	120	20	23	C	24	15			500	SPARE
DISHWASHER				40	1000	400	20	25	A	26	15	120	200	60	FIRE PREVENTION HUB ROOM RECS
KITCHEN REC				40	300	120	20	27	B	28	15	120	200	60	FIRE PREVENTION HUB ROOM RECS
HOOD				40	300	120	15	29	C	30	15	120	200	60	FIRE PREVENTION HUB ROOM RECS
KITCHEN REC				40	300	120	20	31	A	32	15			100	RECIRC PUMP
KITCHEN REC				40	300	120	20	33	B	34	60	5400	9000	60	DHWNT
DRINKING FOUNTAIN				50	300	150	15	35	C	36	20	6400	9000	60	
RECEPTION RECS				60	300	180	15	37	A	38	20			100	EXISTING #1 UPS BATTERY CHARGER
EXISTING #11 OUTLET SINGLE ANT				100			15	39	B	40	15			100	EXISTING #11 COMPUTER AUX
EXISTING #11 OUTLET SINGLE ANT				100			15	41	C	42	15			100	EXISTING #11 UPS SYSTEM

3 PANEL SCHEDULE

TYPE	DESCRIPTION	D.F.	CONN. [%]	DEMAND [kW]	BRK [A]	CCT [A]	NO. [A]	NO. [B]	NO. [C]	DEMAND [kW]	CONN. [%]	D.F.	DESCRIPTION	TYPE	
TRAINING AREA RECS				50	300	150	15	1	A	2	20	400	1000	40	BBH
TV OUTLET				60	300	180	15	3	B	4	20	400	1000	40	
CAPTAIN'S DESK REC				60	150	90	15	5	C	6	15	120	300	40	KITCHEN HOOD
RBO AREA REC				20	100	20	20	7	A	8	15	881	881	100	LIGHTING ZONE #2
KITCHEN ISLAND RECS				60	200	120	20	9	B	10	15	1085	1085	100	LIGHTING ZONE #4
COFFEE MACHINE				50	500	250	20	11	C	12	15	13	13	100	EXIT SIGNS
MICROWAVE				60	1000	600	15	13	A	14					
DISHWASHER				40	1000	400	15	15	B	16	15	330	300	60	GYM POWER POLE
KITCHEN REC				40	300	120	20	17	C	18	15	300	500	60	GYM POWER POLE
KITCHEN REC				40	300	120	20	19	A	20					
KITCHEN REC				40	300	120	20	21	B	22					
STOVE				40	300	120	20	23	C	24					
KITCHEN REC				40	300	120	20	25	A	26					
KITCHEN REC				40	300	120	20	27	B	28					
FRIDGE/FREEZER				60	600	300	15	29	C	30					
FEMALE MALE LOCKER RECS				60	600	300	15	31	A	32					
FEMALE MALE LOCKER RECS				60	550	330	15	33	B	34					
FEMALE MALE LOCKER RECS				60	600	300	15	35	C	36					
GYM RECS				60	600	300	15	37	A	38					
GYM RECS				60	600	300	15	39	B	40					
GYM RECS				60	700	400	15	41	C	42					

2 PANEL SCHEDULE

NO.	DATE	ISSUES
1	2025.08.27	ISSUED FOR REVIEW
2	2025.09.08	ISSUED FOR PERMITTENDER

STAMP:



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THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATION SUBMITTED FOR THIS PROJECT.



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PROJECT:
Central York Firehall 4-1 Interior Renovations
984 Gorham Street
Newmarket, Ontario

SHEET TITLE:
ELECTRICAL DETAILS

PROJECT NUMBER:
25274.001.E.001

SCALE:
NTS

DRAWN BY:
WYC

CHECKED BY:
NC

SHEET NUMBER:
TE-0.3

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DETAIL NUMBER		SECTION NUMBER
	DRAWING NUMBER		DRAWING NUMBER
	REVISION NUMBER		REVISION BUBBLE
	ELBOWS		PIPING SERVICE CONTINUES
	TEE		VENT PIPE REDUCER
	BRANCH OFF BOTTOM OF MAIN		AIR QUANTITY C.F.M. (L/s)
	BRANCH OFF TOP OF MAIN		NAMING OF EXISTING EQUIPMENT
	DIRECTION OF FLOW		DENOTES EXISTING EQUIPMENT DESIGNATION

NOTE: EXISTING EQUIPMENT, PIPING, VALVES, DUCTWORK SHOWN LIGHT TO REMAIN

	EXISTING DUCT, FLEX. DUCT AND AIR SUPPLY TO BE REMOVED		EXISTING CONCEALED SPRINKLER HEAD & PIPING TO REMAIN
	EXISTING ELECTRIC/PNEUMATIC THERMOSTAT/TEMPERATURE SENSOR AND SPEED CONTROL SWITCH TO BE REMOVED/RELOCATED		EXISTING PENDANT SPRINKLER HEAD & PIPING TO REMAIN
	EXISTING UPRIGHT SPRINKLER HEAD TO BE REMOVED/RELOCATED		EXISTING SIDEWALL OR WINDOW SPRINKLER HEAD & PIPING TO REMAIN

NOTE: EXISTING EQUIPMENT SHOWN HATCHED TO BE REMOVED AND/OR RELOCATED.

	EXISTING DUCT, FLEX. DUCT AND AIR SUPPLY TO BE REMOVED		EXISTING CONCEALED SPRINKLER HEAD TO BE REMOVED/RELOCATED
	EXISTING ELECTRIC/PNEUMATIC THERMOSTAT/TEMPERATURE SENSOR AND SPEED CONTROL SWITCH TO BE REMOVED/RELOCATED		EXISTING PENDANT SPRINKLER HEAD TO BE REMOVED/RELOCATED
	EXISTING UPRIGHT SPRINKLER HEAD TO BE REMOVED/RELOCATED		EXISTING SIDEWALL OR WINDOW SPRINKLER HEAD TO BE REMOVED/RELOCATED

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

7 GENERAL SYMBOLS AND ABBREVIATIONS (MSD-012.13)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	ISOLATION VALVE (REFER TO SPECIFICATION FOR SPECIFIC TYPE AS REQUIRED)		PIPE GUIDE (REFER TO SPECIFICATIONS)
	GLOBE VALVE		PIPE SLEEVE
	BALL VALVE		ANCHOR
	LOCKSHIELD VALVE		STRAINER
	FLOW BALANCING VALVE		UNION
	PRESSURE INDEPENDENT FLOW BALANCING VALVE		FLANGE FITTING
	PLUG VALVE		ECCENTRIC FITTING
	NATURAL GAS PRESSURE REDUCING VALVE ASSEMBLY		CONCENTRIC FITTING
	CHECK VALVE		PRESSURE GAUGE
	SOLENOID VALVE		THERMOMETER
	SAFETY RELIEF VALVE		PRESSURE GAUGE COCK ASSEMBLY
	FLOW METERING STATION		THERMOMETER WELL
	BACKFLOW PREVENTOR		EXPANSION JOINT
	ANGLE VALVE		MANUAL AIR VENT
	BUTTERFLY VALVE		AUTOMATIC AIR VENT
	2-WAY BUTTERFLY VALVE		AIR SEPARATOR
	TEMPERED MIXING VALVE		SIGHT GLASS
	FLEXIBLE JOINT		PUMP
	VACUUM BREAKER		DOMESTIC WATER PRV STATION
			WATER HAMMER ARRESTOR

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

8 VALVES AND APPURTENANCES (MSD-012.06)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FIRE DAMPER		SMOKE DAMPER
	MOTOR OPERATED DAMPER		POSITIVE SEAL DAMPER
	MANUAL DAMPER		GRAVITY OR BACKDRAFT DAMPER
	BALANCING DAMPER		REMOTE OPERATED BALANCING DAMPER
	COMBINATION SMOKE AND FIRE DAMPER		VOLUME EXTRACTOR

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	V.A.V. BOX TYPE		FAN POWERED BOX CW RETURN AIR SILENCER OR ACOUSTICALLY LINED RETURN AIR
	V.A.V. BOX WITH ATTENUATOR		FAN POWERED BOX CW RETURN AIR SILENCER OR ACOUSTICALLY LINED RETURN AIR WITH REHEAT COIL
	V.A.V. BOX WITH REHEAT COIL		INDUCTION V.A.V. BOX
	V.A.V. BOX WITH REHEAT COIL AND ATTENUATOR		PRESSURE INDEPENDENT AIR VALVE (LAB)
			TERMINAL UNIT (SEE NOTE 2)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	HEATING ELEMENT TAG		DUCT COIL
	HORIZONTAL UNIT HEATER		RADIATION HEATING RISER NUMBERS (S=SUPPLY AND R=RETURN)
	DOWN BLAST UNIT HEATER		WALL FIN ELEMENT IN CONTINUOUS ENCLOSURE
	RADIANT HEATING PANEL		

NOTE: 1. - NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS
NOTE: 2. - SYMBOLS ARE DIAGRAMMATIC IN NATURE, REFER TO SPECIFICATIONS/SCHEDULES FOR EXACT DIMENSIONS/CLEARANCES

5 AIR HANDLING SYMBOLS (MSD-012.09)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY DUCT UP OR FROM ABOVE		ACOUSTICALLY LINED TRANSFER AIR DUCT
	SUPPLY DUCT DOWN OR FROM BELOW		SILENCER
	RETURN OR EXHAUST DUCT UP OR FROM ABOVE		CROSTALK SILENCER
	RETURN OR EXHAUST DUCT DOWN OR FROM BELOW		DUCT WITH MINIMUM CLEARANCE FIRE RATED ENCLOSURE
	ROUND DUCT UP OR FROM ABOVE		DUCT WITH SLEEVE, INSULATION AND DAMPER
	ROUND DUCT DOWN OR FROM BELOW		CAPPED CONNECTION
	ACOUSTIC LINED DUCT		RISE IN DUCT
	FLEXIBLE CONNECTION		DROP IN DUCT
	SQUARE ELBOW DUCT WITH TURNING VANE		SOUND BAFFLE
	RADIUS ELBOW WITH TURNING VANES		PROPELLER FAN WITH PROTECTIVE SCREEN

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DIFFUSER GRILLE OR REGISTER TYPE		LINEAR SLOT DIFFUSER
	ROUND SUPPLY DIFFUSER		LINEAR SUPPLY AIR DIFFUSER CW FLEXIBLE DUCT
	DUCTED RETURN OR EXHAUST REGISTER OR GRILLE		LIGHT TROFFER DIFFUSER TOP INLET CW FLEXIBLE DUCT
	SQUARE OR RECTANGULAR DIFFUSER		LIGHT TROFFER DIFFUSER SIDE INLET CW FLEXIBLE DUCT
	RETURN OR EXHAUST GRILLE		DUCT MOUNTED SUPPLY OR RETURN GRILLE
	ROUND RETURN OR EXHAUST GRILLE		LINEAR SUPPLY OR RETURN GRILLE
	SQUARE DIFFUSER		
	DIFFUSERS WITH BLANK-OFF PORTION (QTY SHOWN)		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

6 AIR HANDLING SYMBOLS (MSD-012.10)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FIRE LINE		PENDANT/SEMI-RECESSED SPRINKLER HEAD
	WET SPRINKLER LINE		UPRIGHT SPRINKLER HEAD
	DRY SPRINKLER LINE		CONCEALED SPRINKLER HEAD
	WET FIRE LINE		NON-FREEZE SPRINKLER HEAD
	DRY FIRE LINE		HIGH TEMPERATURE SPRINKLER HEAD
	SUPERVISED VALVE		SIDEWALL SPRINKLER HEAD
	FIRE VALVE		WINDOW SPRINKLER HEAD
	FIRE STANDPIPE		
	FLOW SWITCH		
	DELUGE SYSTEM VALVE		
	WET PIPE VALVE		
	DRY SYSTEM VALVE		
	PREACTION SYSTEM VALVE		
	FIRE HYDRANT		
	FIRE GONG		
	FIRE DEPARTMENT CONNECTION		
	FIRE PUMP TEST HEADER		
	FIRE HOSE CABINET AND TYPE		FIRE VALVE CABINET AND TYPE
	SPRINKLER SHUT-OFF VALVE CABINET AND TYPE		
	FIRE EXTINGUISHER AND TYPE		
	FIRE EXTINGUISHER CABINET AND TYPE		FIRE HOSE-LESS CABINET

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

3 FIRE PROTECTION (MSD-012.07)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	HEATING WATER SUPPLY		FUEL OIL SUPPLY
	HEATING WATER RETURN		FUEL OIL RETURN
	CHILLED WATER SUPPLY		EMERGENCY FUEL OIL VENT
	CHILLED WATER RETURN		FUEL OIL VENT
	GLYCOL SUPPLY		FUEL OIL FILL
	GLYCOL RETURN		PUMPED STEAM CONDENSATE
	GLYCOL HEATING SUPPLY		REFRIGERATION SUCTION
	GLYCOL HEATING RETURN		REFRIGERATION LIQUID
	GLYCOL COOLING SUPPLY		REFRIGERATION HOT GAS
	GLYCOL COOLING RETURN		DUAL TEMPERATURE SUPPLY
	CONDENSER WATER SUPPLY		DUAL TEMPERATURE RETURN
	CONDENSER WATER RETURN		BUCKET TYPE STEAM TRAP
	LOW PRESSURE STEAM		FLOAT AND THERMOSTAT TYPE STEAM TRAP
	MEDIUM PRESSURE STEAM		STEAM VACUUM BREAKER
	HIGH PRESSURE STEAM		REFRIGERATION THERMAL EXPANSION VALVE
	LOW PRESSURE CONDENSATE		REFRIGERATION SOLENOID LIQUID VALVE
	MEDIUM PRESSURE CONDENSATE		REFRIGERATION FILTER DRYER
	HIGH PRESSURE CONDENSATE		6 WAY CONTROL VALVE ELECTRIC
	PRESSURE INDEPENDENT CONTROL VALVE		6 WAY CONTROL VALVE
	2 WAY CONTROL VALVE		CONTROL VALVE (WHERE SYMBOL NOT SHOWN)
	3 WAY CONTROL VALVE		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

4 MECHANICAL PIPING (MSD-012.08)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER (DOM. COLD WATER)		DOMESTIC HOT WATER (DOM. HOT WATER)
	DOMESTIC HOT WATER RECIRCULATION (DOM. HOT WATER RECIRC.)		TEMPERED DOMESTIC HOT WATER
	NATURAL GAS		NATURAL GAS VENT
	VENT		SANITARY ABOVE GRADE OR FLOOR
	SANITARY BELOW GRADE OR FLOOR		GATE OR ISOLATION VALVE (REFER TO SPECIFICATION)
	GLOBE VALVE		BALL VALVE
	PENDANT SPRINKLER HEAD		DRY PENDANT SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD		CONCEALED SPRINKLER HEAD
	NON-FREEZE SPRINKLER HEAD		HIGH TEMPERATURE SPRINKLER HEAD
	CHEMICAL SPRINKLER HEAD		SIDEWALL SPRINKLER HEAD
	WINDOW SPRINKLER HEAD		

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLOOR DRAIN SIZE AS NOTED (REFER TO SPECIFICATION FOR TYPES)		FUNNEL FLOOR DRAIN SIZE AS NOTED (REFER TO SPECIFICATION FOR TYPES)
	UPRTURNED CLEANOUT		HORIZONTAL CLEANOUT
	FLOOR DRAIN FROM ABOVE WITH TRAP		FUNNEL FLOOR DRAIN FROM ABOVE WITH TRAP
	WATER CLOSET AS NOTED REFER TO SPECIFICATION FOR TYPES		SINGLE COMPARTMENT KITCHEN SINK
	MOP SINK		DOUBLE COMPARTMENT SINK
	DRINKING FOUNTAIN		GATE OR ISOLATION VALVE (REFER TO SPECIFICATION)
	URINAL		WALL HUNG LAVATORY
	WET SPRINKLER		DRY SPRINKLER
	FIRE HOSE CABINET AND TYPE		SPRINKLER SHUT-OFF VALVE CABINET AND TYPE
	FIRE EXTINGUISHER AND TYPE		FIRE EXTINGUISHER CABINET AND TYPE
	FIRE REEL		WATER METER
	BACK FLOW PREVENTOR		

1 MECHANICAL DRAWING LIST

Sheet Number	Sheet Title	Scale
TM-0.1	MECHANICAL DRAWING LIST AND LEGENDS	N.T.S.
TM-0.2	MECHANICAL STANDARD DETAILS	N.T.S.
TM-1.1.2	1ST FLOOR - PLUMBING AND PIPING DEMOLITION LAYOUT	1:50
TM-1.1.3	1ST FLOOR - H.V.A.C. DEMOLITION LAYOUT	1:50
TM-2.1.2	2ND FLOOR - PLUMBING AND PIPING DEMOLITION LAYOUT	1:50
TM-2.1.3	2ND FLOOR - H.V.A.C. DEMOLITION LAYOUT	1:50
TM-1.2	1ST FLOOR - PLUMBING AND PIPING LAYOUT	1:50
TM-2.2	2ND FLOOR - PLUMBING AND PIPING LAYOUT	1:50
TM-1.3	1ST FLOOR - H.V.A.C. LAYOUT	1:50
TM-2.3	2ND FLOOR - H.V.A.C. LAYOUT	1:50
TM-R.3	ROOF LAYOUT	1:50
TM-1.4	1ST FLOOR - FIRE PROTECTION LAYOUT	1:50
TM-2.4	2ND FLOOR - FIRE PROTECTION LAYOUT	1:50

NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS

2 GENERAL SYMBOLS AND ABBREVIATIONS (MSD-012.14)

REVISIONS		
NO.	DATE	ISSUES
1	2025-09-05	ISSUED FOR PERMIT/TENDER

STAMP:



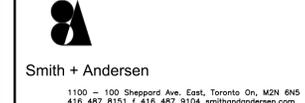
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PROJECT:
Central York Firehall 4-1 Interior Renovations
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Newmarket, Ontario

SHEET TITLE:

MECHANICAL DRAWING LIST AND LEGENDS

PROJECT NUMBER:
25274.001.M.001

SCALE:
N.T.S.

DRAWN BY:
HW

CHECKED BY:
MG/RC

SHEET NUMBER:
TM-0.1

