

8 FLOOR ASSEMBLIES - EXTERIOR			
HDA			
	<ul style="list-style-type: none"> - ASPHALT WEAR COURSE - TACK COAT - ASPHALT BASE COURSE - COMPACTED SUBGRADE -- REFER TO DETAIL 2000 - PAV-1 AND GEOTECHNICAL REPORT FOR SUBGRADE COMPOSITION AND DEPTHS 		
GEN			
	<ul style="list-style-type: none"> - 305 REINFORCED CONCRETE SLAB ON GRADE - REINFORCING - 19M EPOXY COATED BARS @300MM T&B E.W. - COMPACTED SUBGRADE 		
PAV			
	<ul style="list-style-type: none"> - PERMEABLE PAVERS (MECHANICALLY INSTALLED) - JOINTING MATERIAL CLEAR STONE CHIP ASTA 9 - 200 MM OF 19 CLEAR OPEN GRITTED STONE - COMPACTED C/W STABILIZATION GRID AS PER MANUFACTURER - COMPACTED SUBGRADE -- REFER TO DETAIL 2000 - PAV-1 AND GEOTECHNICAL REPORT FOR SUBGRADE COMPOSITION AND DEPTHS 		
MST			
	<ul style="list-style-type: none"> - 100 CLEAR STONE - FILTER CLOTH - 150 GRANULAR 'A' 		
TA-1			
	<ul style="list-style-type: none"> - 200 CONCRETE -- REINFORCING - REFER TO STRUCTURAL - GRANULAR BASE COURSES (A & B) SEE NOTE BELOW - SLOPE APPROX 1 : 10 MAX (150MM OVER 1500MM) - NOTE: GRANULAR BASE COURSES TO MATCH - ADJACENT ASPHALT BASE COURSES (A & B) 		
SW-1			
	<ul style="list-style-type: none"> - 125 CONCRETE - BROOM FINISH - 150 GRANULAR 'A' COMPACTED 		
SOD			
	<ul style="list-style-type: none"> - SOD - 150 TOPSOIL 		
LSS			
	<ul style="list-style-type: none"> - PLANTING BED -- REFER TO LANDSCAPE DRAWINGS FOR DETAILS 		

7 ROOF ASSEMBLIES			
ROOF TYPE: VRA	FLAT		
	<ul style="list-style-type: none"> - DRAIN TO ROOF DRAINS - GREEN ROOF SEDUM TRAYS - REFER TO ROOF PLAN DETAILS A4.1 		
ROOF TYPE: RT-7	FLAT	R-66.9	RSI - 6.156
	<ul style="list-style-type: none"> - DRAIN TO ROOF DRAINS - 2-ply MODIFIED BITUMEN ROOFING SYSTEM - PROTECTION BOARD - TAPERED INSULATION (AS INDICATED) - POLYISO INSULATION BOARD (MECHANICALLY FASTENED) - VAPOUR BARRIER - GYPSUM BOARD UNDERLAY - 5 PLY CLT - CLEAR EPOXY FINISH, LATEX BASED, SATIN, ON ALL EXPOSED CLT SURFACES 		
ROOF TYPE: RT-20	SLOPED	R-65.3	RSI - 8.79
	<ul style="list-style-type: none"> - DRAIN TO GUTTER AND RWL SYSTEM - STANDING SEAM METAL ROOF - ICE AND WATER SHIELD (ENTIRE ROOF) - DENSDECK SHEATHING - MINERAL WOOL INSULATION - 5 PLY CLT - CLEAR EPOXY FINISH, LATEX BASED, SATIN ON ALL EXPOSED CLT SURFACES 		
ROOF TYPE: RT-8	SLOPED	R-30.3	RSI - 6.156
	<ul style="list-style-type: none"> - DRAIN TO GUTTER AND RWL SYSTEM - 2-ply MODIFIED BITUMEN ROOFING SYSTEM - PROTECTION BOARD - POLYISO INSULATION BD (MECHANICALLY FASTENED) - VAPOUR BARRIER - CEMENT BOARD UNDERLAY - METAL DECK - PTD STEEL FRAMING - REFER TO STRUC. DWG'S 		

6 FLOOR ASSEMBLIES - INTERIOR			
FL-1			
	<ul style="list-style-type: none"> - CONCRETE SLAB ON GRADE - THICKNESS - REFER TO STRUCTURAL - REINFORCING - REFER TO STRUCTURAL - VAPOUR BARRIER - RIGID INSULATION - 200 COMPACTED GRAVEL 		
FL-10			
	<ul style="list-style-type: none"> - 200 CONCRETE - THICKNESS - REFER TO STRUCTURAL -- REINFORCING - REFER TO STRUCTURAL - VAPOUR BARRIER - RIGID INSULATION - 200 COMPACTED GRAVEL 		
CLT-2	FRR - 60 min.		
	<ul style="list-style-type: none"> - CLT FLOOR SYSTEM 		
CLT-1			
	<ul style="list-style-type: none"> - CLT FLOOR SYSTEM 		

4 WALL ASSEMBLIES - PARAPET			
X20-P1 484MM		R-66.8	
	<ul style="list-style-type: none"> - CONFIRM EXTERIOR FACE OF WALL BELOW TO DETERMINE PARAPET THICKNESS - BRICK MASONRY UNITS - AIR SPACE - MINERAL WOOL INSULATION - R20 - AIR / VAPOUR BARRIER - EXTERIOR SHEATHING - 140 WOOD STUDS @ 400MM o/c w/ MINERAL WOOL INSULATION - 50mm RIGID INSULATION - EXTERIOR SHEATHING - ROOFING MEMBRANE 		
X20-P2 450MM		R-48.2	
	<ul style="list-style-type: none"> - CONFIRM EXTERIOR FACE OF WALL BELOW TO DETERMINE PARAPET THICKNESS - BRICK MASONRY UNITS - AIR SPACE - MINERAL WOOL INSULATION - R20 - AIR / VAPOUR BARRIER - EXTERIOR SHEATHING - 3 PLY CLT w/ MINERAL WOOL INSULATION - 50mm RIGID INSULATION - EXTERIOR SHEATHING - ROOFING MEMBRANE 		
X20-P3 460MM		R-51.5	
	<ul style="list-style-type: none"> - CONFIRM EXTERIOR FACE OF WALL BELOW TO DETERMINE PARAPET THICKNESS - BRICK MASONRY UNITS - AIR SPACE - MINERAL WOOL INSULATION - R20 - AIR / VAPOUR BARRIER - EXTERIOR SHEATHING - 5 PLY CLT w/ MINERAL WOOL INSULATION - 50mm RIGID INSULATION - EXTERIOR SHEATHING - ROOFING MEMBRANE 		

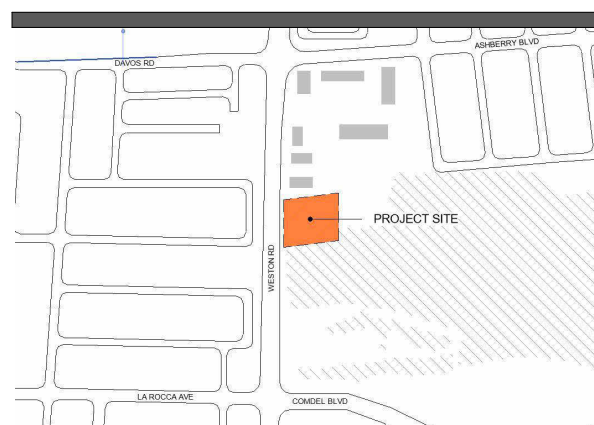
5 WALL ASSEMBLIES - INTERIOR			
P1 117MM			
	<ul style="list-style-type: none"> - 12.7MM GYPSUM BOARD - 38MM x86MM WOOD STUDS @ 400mm o/c MAX. - MINERAL WOOL INSULATION (WIDTH OF STUD) - 12.7MM GYPSUM BOARD 		
P1a 117MM			
	<ul style="list-style-type: none"> - 12.7MM GYPSUM BOARD - 89MM X 39MM WOOD STUDS @ 400mm o/c MAX. 		
P2 163MM		STC - --	
	<ul style="list-style-type: none"> - 12.7MM GYPSUM BOARD - 140MM X 39MM WOOD STUDS @ 400mm o/c MAX. - MINERAL WOOL INSULATION (WIDTH OF STUD) - 12.7MM GYPSUM BOARD 		
P3 143MM	FRR: 1.5 HR	OBC SB-2	
	<ul style="list-style-type: none"> - CONSTRUCT TO U/S OF DECK UNLESS OTHERWISE INDICATED (WHERE INDICATED) - 12.7MM TYPE 'X' GYPSUM BOARD - 12.7MM TYPE 'X' GYPSUM BOARD - 92MM METAL STUDS @ 400mm o/c MAX. - MINERAL WOOL INSULATION (WIDTH OF STUD) - 12.7MM TYPE 'X' GYPSUM BOARD - 12.7MM TYPE 'X' GYPSUM BOARD 		
P5 123MM			
	<ul style="list-style-type: none"> - CERAMIC TILE - 12MM KERDI BOARD BY SCHLUTER - 89MM X 39MM WOOD STUDS @ 400mm o/c MAX. - MINERAL WOOL INSULATION (WIDTH OF STUD) - 12.7MM GYPSUM BOARD 		
P5c 123MM			
	<ul style="list-style-type: none"> - CERAMIC TILE - 12MM KERDI BOARD BY SCHLUTER - 25MM WOOD STRAPPING @ 400mm o/c MAX. 		
P5d 123MM			
	<ul style="list-style-type: none"> - CERAMIC TILE - TILE BACKER BOARD - 92MM METAL STUDS @ 400mm o/c MAX. - MINERAL WOOL INSULATION (WIDTH OF STUD) 		
P6 77MM			
	<ul style="list-style-type: none"> - 12 MM KERDI BOARD BY SCHLUTER - 39MM X 39MM WOOD STUDS @ 400mm o/c MAX. 		
P8 129MM			
	<ul style="list-style-type: none"> - CERAMIC TILE - 12MM KERDI BOARD BY SCHLUTER - 89MM X 39MM WOOD STUDS @ 400mm o/c MAX. - MINERAL WOOL INSULATION (WIDTH OF STUD) - 12MM KERDI BOARD BY SCHLUTER - CERAMIC TILE 		
NOTE: WET AREA - TILE AFF TO U/S OF DRYWALL CEILING			
IS3 145MM	FRR: 1.5 HR		
	<ul style="list-style-type: none"> - CONSTRUCT TO U/S OF DECK UNLESS OTHERWISE INDICATED (WHERE INDICATED) - INTERIOR SCREEN - FIRE RATED - HM FRAME - FIRE PROTECTION RATED GLASS 		
3 PLY	FRR: 1 HR		
	<ul style="list-style-type: none"> - CONSTRUCT TO U/S OF DECK UNLESS OTHERWISE INDICATED (WHERE INDICATED) - 3 PLY CLT - CLEAR EPOXY FINISH, LATEX BASED, SATIN FINISH 		
5 PLY	FRR: 1.5 HR		
	<ul style="list-style-type: none"> - CONSTRUCT TO U/S OF DECK UNLESS OTHERWISE INDICATED (WHERE INDICATED) - 5 PLY CLT - CLEAR EPOXY FINISH, LATEX BASED, SATIN FINISH 		
CC1 290MM	FRR: 4 HR	STC - 50	
	<ul style="list-style-type: none"> - CONSTRUCT TO U/S OF DECK UNLESS OTHERWISE INDICATED (WHERE INDICATED) - CAST IN PLACE CONCRETE - EXPOSED FINISH ON BOTH SIDES 		

3 WALL ASSEMBLIES - EXTERIOR			
X1 530MM		R-41.8	CI - R20
	<ul style="list-style-type: none"> - BRICK MASONRY UNITS - 50 AIR SPACE - MINERAL WOOL INSULATION - R20 - AIR / VAPOUR BARRIER - 3 PLY CLT 		
X2 530MM		R-45.1	CI - R20
	<ul style="list-style-type: none"> - BRICK MASONRY UNITS - 50 AIR SPACE - MINERAL WOOL INSULATION - R20 - AIR / VAPOUR BARRIER - 5 PLY CLT - CLEAR EPOXY FINISH, LATEX-BASED, SATIN FINISH 		
X3 530MM		R-35.7	CI - R20
	<ul style="list-style-type: none"> - ALUMINIUM PANEL CLADDING - REFER TO AC-1 MOUNTING SYSTEM - MINERAL WOOL INSULATION - R20 - AIR / VAPOUR BARRIER - 3 PLY CLT - CLEAR EPOXY FINISH, LATEX-BASED, SATIN FINISH 		
X4 530MM		R-44.7	CI - R20
	<ul style="list-style-type: none"> - 50 AIR SPACE - MINERAL WOOL INSULATION - R20 - AIR / VAPOUR BARRIER - 140 WOOD STUDS @ 400MM - 3 PLY CLT - AIR / VAPOUR BARRIER - BRICK LATH AND MORTAR C/W BRICK VENEER TO MATCH MASONRY UNITS 		
X1A 530MM			
	<ul style="list-style-type: none"> - BRICK MASONRY UNITS - 50 AIR SPACE - EXTERIOR SHEATHING - AIR / VAPOUR BARRIER - 140 WOOD STUDS @ 400MM - 3 PLY CLT - AIR / VAPOUR BARRIER - BRICK LATH AND MORTAR C/W BRICK VENEER TO MATCH MASONRY UNITS 		
X05 530MM			
	<ul style="list-style-type: none"> - ALUMINIUM PANEL CLADDING - REFER TO AC-1 MOUNTING SYSTEM C/W VENTILATION 25MM MIN. - MINERAL WOOL INSULATION - R20 - CAST IN PLACE CONCRETE 		
CW1			
	<ul style="list-style-type: none"> - ALUMINIUM SCREEN - SCHUCO FWS 50 SI 		
AC1 38MM			
	<ul style="list-style-type: none"> - ALUMINIUM PANEL CLADDING SYSTEM MOUNTED TO SUPPORTING WALL ASSEMBLY (REFER TO GENERAL NOTES) 		
LACBO 160MM			
	<ul style="list-style-type: none"> - PREFABRICATED LOUVER (ACOUSTIC) - INSULATED BLANK OFF PANEL - UNLESS INDICATED OTHERWISE - ALIGN LOUVER TO EXTERIOR WALL FACE - PROVIDE SUPPLEMENTAL FRAMING TO CONNECT LOUVER TO SUPPORTING WALL ASSEMBLY (TYP.) - * WHERE REQD COORDINATE LOCATION(S) OF MECHANICAL OPENINGS THROUGH SUPPORTING WALL ASSEMBLY (TYP.) 		

1 GENERAL NOTES - WALL ASSEMBLIES			
EXTERIOR WALL ASSEMBLIES. <ol style="list-style-type: none"> THE SPECIFICATIONS, INSTALLATION, AND PERFORMANCE OF AIR BARRIER SYSTEMS AND VAPOUR BARRIERS MUST MEET OR EXCEED DIV. B PART 5 OF THE ONTARIO BUILDING CODE. THE REQUIREMENTS FOR AN AIR BARRIER AND A VAPOUR BARRIER ARE INTENDED TO BE PROVIDED AS CONTINUOUS PLANES WITHIN THE BUILDING ENVELOPE. ENSURE CONTINUITY OF AIR AND VAPOUR MEMBRANES BETWEEN COMPONENTS, TO ADJACENT CONSTRUCTION AND AT ALL PENETRATIONS TO PREVENT OR RETARD PASSAGE OF MOISTURE LADEN AIR AND/OR THE DIFFUSION OF WATER VAPOUR. EXTERIOR ASSEMBLIES NOTING STUD FRAMING SHALL BE CONSTRUCTED USING WIND-LOAD BEARING FRAMING DESIGNED TO CARRY REQUIRED LATERAL LOADS. PROVIDE ENGINEERED SHOP DRAWING PRIOR TO COMMENCEMENT OF WORK. 			
INTERIOR WALL ASSEMBLIES.			
LOAD BEARING PARTITIONS (INTERIOR)			
WHERE A PARTITION IS A LOAD BEARING WALL, REFER TO THE STRUCTURAL DRAWINGS FOR DESIGN REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT OF ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND SPECIFICATIONS PRIOR TO THE COMMENCEMENT OF WORK.			
STEEL STUD FRAMED PARTITIONS (INTERIOR) <ol style="list-style-type: none"> ALL PARTITIONS ARE TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED. PROVIDE DEFLECTION DETAIL AT TOP OF ALL WALLS THAT ABUT UNDERSIDE OF DECK OR STRUCTURE. SEE ALSO TOP OF WALL DETAILS AS INDICATED. WHERE SOUND ATTENUATION BATTS ARE CALLED FOR ON THE WALL TYPE, SEAL PERIMETER OF WALLS AND AROUND PENETRATIONS THROUGH WALLS WITH ACOUSTIC SEALANT. APPLY CONTINUOUS ACOUSTIC SEALANT TO BOTH SIDES OF TRACK AT THE JUNCTIONS WITH FLOORS AND ROOF DECKS, AND AROUND PENETRATIONS TO PARTITIONS. RECESSED OUTLETS ARE TO BE STAGGERED SO THAT ONLY ONE OUTLET IS INSTALLED BETWEEN TWO STUDS. DO NOT FASTEN METAL STUDS TO CURTAIN WALL MULLIONS OR TEE BAR GRID. WHERE INTERIOR DOORS ARE CLOSE TO AN INSIDE CORNER, PROVIDE MIN. CLEARANCE FROM DOOR JAMB TO ADJACENT WALL AS INDICATED ON DETAIL TITLED 'FRAME TYPES' 			
MASONRY PARTITIONS (INTERIOR) <ol style="list-style-type: none"> HEIGHT OF CONCRETE MASONRY UNIT WALLS TO BE TO UNDERSIDE OF FLOOR/ROOF DECK ABOVE UNLESS OTHERWISE NOTED. WHERE CONCRETE UNIT MASONRY WALLS ABUT REINFORCED CONCRETE WALLS AND PIERS, RAKE BACK MORTAR JOINT WHERE THE TWO MATERIALS MEET AND PROVIDE CONTINUOUS SEALANT 			
FIRE RATED PARTITIONS (INTERIOR) <ol style="list-style-type: none"> FOR WALL ASSEMBLIES THAT BEAR THE NOTE "CONSTRUCT AS FIRE SEPARATION WHERE NOTED", THE ASSEMBLY SHALL BE CONSTRUCTED AS A FIRE SEPARATION AT THE LOCATIONS INDICATED IN THE CONTRACT DRAWINGS. AT RECESSED PANEL INSTALLATIONS (E.G. ELECTRICAL PANELS) WITHIN RATED WALLS PROVIDE FOR CONTINUITY OF THE REQUIRED RATING BEHIND THE PANEL. REFER TO THE ONTARIO BUILDING CODE DIVISION B, SECTION 3.1.9.2 FOR REQUIREMENTS FOR COMBUSTIBILITY OF SERVICE PENETRATIONS AND SECTION 3.1.10.2 FOR RATING OF FIREWALLS. WHERE FIRE RATED PARTITIONS ABUT NON-RATED PARTITIONS THE FIRE RATED ASSEMBLY SHALL BE CONTINUOUS AND UNINTERRUPTED BY THE ABUTTING WALLS TO MAINTAIN A CONTINUOUS FIRE SEPARATION. SEAL PERIMETER OF FIRE RATED WALLS AND AROUND PENETRATIONS THROUGH FIRE RATED WALLS WITH APPROVED FIRESTOP MATERIALS. DO NOT SEAL CLEARANCE SPACES WITHIN FIRE DAMPERS. SEAL ONLY IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. 			
BLOCKING FOR MILLWORK & SPECIALTIES <ol style="list-style-type: none"> PROVIDE BLOCKING IN PARTITIONS AND WALLS (INTERIOR AND EXTERIOR) FOR THE FOLLOWING: <ol style="list-style-type: none"> WINDOW FRAMES, MILLWORK, FIXTURES AND FITTINGS, HANDRAILS, GRAB BARS, TACKBOARDS, WHITEBOARDS, MIRRORS, WASHROOM ACCESSORIES AND OTHER ITEMS AS REQUIRED. 			
2 WALL ASSEMBLIES - FOUNDATION			
W-F7		R-33.5	
	<ul style="list-style-type: none"> - INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING - DAMPROOFING - 200 CONCRETE 		
W F4i		R-33.8	
	<ul style="list-style-type: none"> - INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING - RIGID INSULATION - 250 CONCRETE - RIGID INSULATION 		
W F2i		R-34.5	
	<ul style="list-style-type: none"> - INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING - 385 CONCRETE 		
W F1i 455MM		R-34.9	
	<ul style="list-style-type: none"> - INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING - 455 CONCRETE 		
W F4		R-1.4	
	<ul style="list-style-type: none"> - INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING - 250 CONCRETE 		
W-F8		R-2.1	
	<ul style="list-style-type: none"> - INSULATION (WHERE SHOWN) CONTINUOUS TO TOP OF FOOTING - 385 CONCRETE 		

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ISSUE OR REVISION		
NO.	ISSUED FOR	DATE
7	SITE PLAN SUBMISSION 1	2022-05-31
10	SPA RE-SUBMISSION	2022-08-30
17	SPA - REVISION	2023-08-30
18	ISSUED FOR PERMIT	2023-09-15
19	ISSUED FOR RFPQ	2023-10-19
24	ISSUED FOR CLASS A	2024-02-16
26	T24-253 - IFT	2024-04-15



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CITY OF VAUGHAN FIRE STATION 7-12

9511 WESTON ROAD, VAUGHAN

PROJECT :

CLIENT



VAUGHAN

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE CONSULTANT.

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PROFESSIONAL SEAL

DWG TITLE

EXTERIOR & INTERIOR ASSEMBLIES

ORIENTATION

DATE 2021-11-24

SCALE 1 : 20 DRAWN BY SRL

TENDER

PROJECT NO. 2104

DRAWING NO. **A0.2** REVISION 26

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