

OAKVILLE #5 PUBLIC SCHOOL



* FOR REFERENCE ONLY *

DRAWING LIST	
DRAWING No.	DRAWING NAME:
S0.0	COVERPAGE
S1.0	FOUNDATION PLAN
S1.1	SLAB-ON-GRADE SAV-CUT PLAN
S2.0	FOUNDATION SECTIONS
S2.1	TYPICAL FOUNDATION DETAILS
S3.0	SECOND FLOOR FRAMING PLAN
S3.1	THIRD FLOOR FRAMING PLAN
S3.2	ROOF FRAMING PLAN
S4.0	FRAMING SECTIONS
S4.1	FRAMING SECTIONS
S4.2	FRAMING SECTIONS
S4.3	TYPICAL FRAMING DETAILS

GENERAL NOTES	
1.	CHECK ALL DIMENSIONS IN THESE DRAWINGS WITH ALL OTHER DRAWINGS. IF THERE IS A CONFLICT, DRAWINGS PREPARED BY ARCHITECTURAL, MECHANICAL OR ELECTRICAL CONSULTANTS, REPORT ANY INCONCERNING DIMENSIONS TO THE CONTRACTOR PRIOR TO COMMENCING WITH THE WORK. DO NOT SCALE THE DRAWINGS.
2.	THE DESIGN LIVE LOADS ARE INDICATED ON THE DRAWINGS. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LIVE LOADS.
3.	THE COMPLETED STRUCTURE, SHOWN IN THESE DRAWINGS, THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND ANY OTHER TEMPORARY OR PERMANENT MEASURES AS REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SUPPORT OF EXISTING OR ADJACENT STRUCTURES AS REQUIRED. BRACINGS AND SHORING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
4.	ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST ONTARIO AND CANADIAN APPLICABLE REGULATIONS, AND GOOD CONSTRUCTION PRACTICES.
5.	THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS.
6.	CONSULT ANY QUESTIONS WITH THE ENGINEER REGARDING THE INTERPRETATION OF THE DRAWINGS, PRIOR TO THE COMMENCEMENT OF ANY WORK.
7.	KALOS ENGINEERING INC. PROVIDED GENERAL CONFORMANCE REVIEW ONLY FOR THE DRAWINGS. THESE DRAWINGS ARE SUBJECT TO A PERIODIC REVIEW TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE CONTRACT. THE CONTRACTOR SHALL COORDINATE FIELD REVIEWS WITH KALOS ENGINEERING INC. PRIOR TO CONCEALING THE STRUCTURAL CONCRETE. FIELD REVIEWS ARE TO BE CONDUCTED ON A 40' DEPTH ADVANCE NOTICE OF EACH REQUIRED FIELD REVIEW. REVIEW BY KALOS ENGINEERING INC. IS NOT A SUBSTITUTE FOR THE CONTRACTOR'S OWN INSPECTION OF THE WORK. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
8.	THE USE OF THESE DRAWINGS IS LIMITED TO THAT IDENTIFIED IN THE DRAWINGS. COPIES OF THESE DRAWINGS DO NOT CONSTITUTE A CONTRACT UNLESS MARKED AS FURNISHED FOR CONSTRUCTION IN THE VENUES COLUMN BY KALOS ENGINEERING INC. THE DRAWINGS SHALL NOT BE USED FOR TENDER UNLESS COPIED AND MARKED AS FURNISHED FOR CONSTRUCTION.
9.	REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PRECISE LOCATIONS AND ASSEMBLY TYPES OF REQUIRED FIRE RESISTANCE RATINGS AND ASSEMBLY TYPES. THE ENGINEER SHALL ACCOUNT FOR APPLICABLE LOAD-RESTRICTED ASSEMBLIES.
10.	DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS OR ELEMENTS WITHOUT WRITTEN CONSENT OF KALOS ENGINEERING INC.

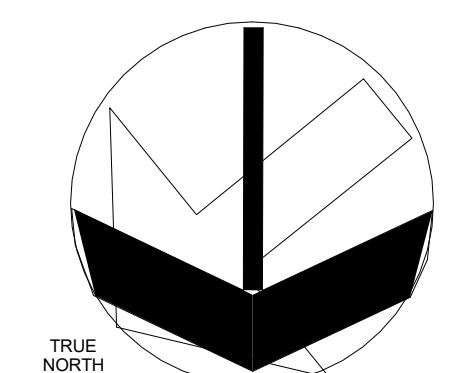

CONCRETE NOTES	
1.	ALL STRUCTURAL CONCRETE ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD CAN/CSA-A23.1. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA STANDARD CAN/CSA-A23.1.
2.	MINIMUM CONCRETE STRENGTH AT 28 DAYS SHALL BE:
- FLOORINGS: - 25 MPa TYPE N	
- PIERS: - 30 MPa TYPE F2	
- CONCRETE TOPPLING: - 25 MPa TYPE N	
- MASONRY: - 25 MPa TYPE N	
- EXTERIOR SLAB ON GRADE: - 32 MPa TYPE C2	
- EXTERIOR SLAB ON GRADE: - 32 MPa TYPE N	
- SLUMP: SHALL BE 75mm ± 25mm (3" ± 1") U.N.O.	
- AGGREGATE: - 10mm (3/8")	
- CONCRETE: - 10mm (3/8")	
- CONCRETE: - 10mm (3/8")	
- CONCRETE: - 10mm (3/8")	
3.	THE DEFENDED REINFORCING STEEL SHALL CONFORM TO CSA STANDARD G30.18 GRADE 50 FOR STRIPS AND TIERS AND GRADE 4000 FOR ALL OTHER REINFORCING. THE REINFORCING LAP LENGTH SHALL BE AS SHOWN IN THE DRAWINGS. THE REINFORCING LAP LENGTH SHALL BE CLASSIFIED AS FOR STIRRUPS, TIERS AND OTHERS. TYPICAL SPICE LENGTHS SHALL BE AS FOLLOWS:
- 5MM BARS: 600 mm (24")	
- 10MM BARS: 550 mm (21")	
- 12MM BARS: 500 mm (19")	
4.	WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH CSA G30.18. ALL MESH SHALL BE CHARGED PRIOR TO POURING CONCRETE. LIFTING OF THE MESH SHALL BE BY MEANS OF EASY-UP. THE MESH AND CONCRETE SPLICES SHALL BE A MINIMUM OF TWO CROSSWIRE SPACINGS PLUS 50mm (2")
5.	THE REINFORCING COVER FOR CONCRETE SHALL BE:
- 25mm (1") ON CONCRETE AGAINST EARTH	
- 30mm (1 1/2") FOR FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	
- 30mm (1") FOR FORMED CONCRETE EXPOSED TO EARTH OR WEATHER	
- 25mm (1") FOR INTERIOR CONCRETE	
- ALL CHASING, CAVERS AND BAR SUPPORTS SHALL BE IN ACCORDING WITH CSA A23.1.	
6.	CONSTRUCT CONCRETE WALLS WITHOUT CONTROL JOINTS UNLESS NOTED OTHERWISE. PROVIDE CHASING AND BEAM POCKETS IN THE INTERIOR CONCRETE WALLS AS REQUIRED.
7.	PROVIDE DOWELS FOR WALLS AND COLUMNS TO SUIT THE REINFORCING IN THE WALL OR COLUMN ABOVE.
8.	CONCRETE DENSITY DEPTH ON STEEL DECK SHALL BE A MINIMUM OF 64mm (2 1/2") FROM TOP OF DECK AND REINFORCED WITH 152x180 MM/16.7167 (400x450 mm) COLD-FORGED ANCHORS. THE REINFORCING LAP SIZE WITH REQUIRED ULC FIRE RATING ASSEMBLY AS SPECIFIED BY THE CONTRACTOR SHALL BE PROVIDED.
9.	A STEEL TROWEL FINISH SHALL BE PROVIDED FOR ALL EXTERIOR SLABS UNLESS NOTED OTHERWISE. A BROOM FINISH SHALL BE PROVIDED FOR ALL EXTERIOR SLABS UNLESS NOTED OTHERWISE.
10.	CONCRETE SCREEDING SHALL BE PROVIDED FOR ALL FLOORING, TIER, AND ROOF DECKS.
11.	CONCRETE SHELLS SHALL BE PROTECTED AGAINST ADVERSE WEATHER CONDITIONS INCLUDING, BUT NOT LIMITED TO, HIGH WINDS, FROST, HEAT, AND SUN. CONCRETE SHELLS SHALL BE PROTECTED FROM TEMPERATURE DIFFERENTIALS, PREMATURE DRYING, AND MOISTURE LOSS IN ACCORDANCE WITH THE REQUIREMENTS OF CAN/CSA-A23.1.
12.	WHEN THE AIR TEMPERATURE IS AT OR ABOVE 27 °C, OR WHEN THERE IS A PROBABILITY OF THE TEMPERATURE FALLING BELOW 5 °C WITHIN 24H OF THE COMMENCEMENT OF CONCRETE PLACEMENT, CONCRETE PLACEMENT FACILITIES SHALL BE PROVIDED FOR PROTECTION OF THE CONCRETE PLACEMENT FACILITIES FROM THE ADVERSE WEATHER CONDITIONS FOR THE DURATION OF THE REQUIRED CURING PERIOD. THE CONCRETE PLACEMENT FACILITIES SHALL BE PROVIDED IN ACCORDANCE WITH CSA A23.1.
13.	WHEN THE AIR TEMPERATURE IS AT OR BELOW 5 °C, OR WHEN THERE IS A PROBABILITY OF THE TEMPERATURE FALLING BELOW 5 °C WITHIN 24H OF THE COMMENCEMENT OF CONCRETE PLACEMENT, CONCRETE PLACEMENT FACILITIES SHALL BE PROVIDED FOR PROTECTION OF THE CONCRETE PLACEMENT FACILITIES FROM THE ADVERSE WEATHER CONDITIONS FOR THE DURATION OF THE REQUIRED CURING PERIOD. THE CONCRETE PLACEMENT FACILITIES SHALL BE PROVIDED IN ACCORDANCE WITH CSA A23.1.

STRUCTURAL STEEL NOTES	
1.	ALL STRUCTURAL STEEL ELEMENTS, INCLUDING ELEMENTS OF ELEMENTS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH CAN/CSA S16.
2.	ALL STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 (300W) EXCEPT W SECTIONS AND PLATES H40.21 (300W), HSS MEMBERS G40.21 (300W) CLASS C AND ANCHOR BOLTS ASTM F1554 GR 36, COLD-FORGED STEEL ASTM A572 GRADE 50W.
3.	ALL SECTIONS SHALL BE PRIME PAINTED WITH THE SURFACE PREPARATION AND PAINTING PROCEDURES IN ACCORDANCE WITH CAN/CSA-S5.10 UNLESS NOTED OTHERWISE. THE STEEL FABRICATOR IS TO EXTRUDE THE PAINTED SECTIONS TO RECEIVE SPRAY FIREPROOFING. SHELL BE LEFT UNPRIMED. COATING SHALL BE PROVIDED ON ALL SLABS.
4.	ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN/CSA W9. THE STEEL FABRICATOR SHALL BE FULLY QUALIFIED UNDER THE REQUIREMENTS OF THE CANADIAN WELDING BUREAU IN CONFORMANCE WITH CAN/CSA W7.1.
5.	PRECAST CONCRETE SECTIONS SHALL BE DESIGNED TO RESTRICT THE LOADS NOTED ON THE DRAWINGS.
6.	PRECAST SLAB LIVE LOAD DEFLECTION SHALL NOT EXCEED L/360 FOR FLOORS AND L/300 FOR ROOFS UNLESS NOTED OTHERWISE.
7.	A LATENT MODIFIED BONDING AGENT SHALL BE PROVIDED ON ALL SLABS PRIOR TO THE APPLICATION OF A TOPPING. REFER TO SPECIFICATION SECTION 03-100 FOR FLOOR AND ROOF TOPPING.
8.	NOTCHES IN SLABS AT COLUMNS SHALL BE INFILLED WITH 25 MPa CONCRETE AND 15 MM BARS DRILLED AND EPOXYED INTO ADJACENT SLABS.
9.	CORE INSULATION SHALL BE PROVIDED BY THE PRECAST MANUFACTURER AT LOCATIONS WHERE CORES ARE TO BE GROUTED SOLID.
10.	WRITTEN CONFIRMATION SHALL BE PROVIDED FROM THE PRECAST MANUFACTURER FOR THE USE OF UFTS OR HEAVY EQUIPMENT ON PRECAST SLABS.
11.	CONSTRUCTION LOADS ON PRECAST SLABS, INCLUDING TEMPORARY STORAGE LOADS, SHALL BE PROVIDED BY THE PRECAST MANUFACTURER.
12.	CONCRETE SITE DRILLED SLAB GROUTING SLABS WITH CONSULTANT DRAWINGS AND CUT OR DRILL HOLES THROUGH SLABS TO ENSURE THAT NO DAMAGE IS CAUSED TO THE SLABS OR REINFORCEMENT.
13.	ALL FLUSH BEAMS SHALL BE SHORED PRIOR TO AND DURING PRECAST SLAB CONCRETE PLACEMENT. SHELL REMAIN IN PLACE UNTIL PLATE BEAM GROUT HAS FULLY CURED.
14.	ALL PRECAST CONCRETE SLABS SHALL BE PROVIDED TEMPORARY SHORING OF ALL FLUSH BEAMS. SHEAR SHORING SHALL REMAIN IN PLACE UNTIL PLATE BEAM GROUT HAS FULLY CURED.

PRECAST CONCRETE SLAB NOTES	
1.	ALL PRECAST CONCRETE SHALL BE DESIGNED IN ACCORDANCE WITH CSA G40.3 AND SHALL BE CONSTRUCTED AND INSTALLED PER CSA A23.1 AND CSA A23.4. ALL PRECAST CONCRETE SHALL BE DESIGNED BY AN ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO.
2.	THE CONTRACTOR SHALL VERIFY THE BEARING CAPACITY WITH A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
3.	THE SLAB-ON-GRADE SHALL BEAR ON NATIVE UNDISTURBED SOIL, COMPACTED AND DENSED AS REQUIRED BY THE GEOTECHNICAL ENGINEER. REFER TO GEOTECHNICAL INVESTIGATION PREPARED BY FORWARD ENGINEERING & ASSOCIATES INC. DATED OCTOBER 8, 2025 NO. Q707.
4.	ALL PRECAST CONCRETE SLABS SHALL BE PROVIDED BY A PRECAST MANUFACTURER.
5.	DESIGN, MOMENT AND SHEAR CONNECTIONS FOR THE FULL CAPACITY OF THE SLAB-ON-GRADE SHALL BE PROVIDED BY THE PRECAST CONCRETE FABRICATOR.
6.	A LATENT MODIFIED BONDING AGENT SHALL BE PROVIDED ON ALL SLABS PRIOR TO THE APPLICATION OF A TOPPING. REFER TO SPECIFICATION SECTION 03-100 FOR FLOOR AND ROOF TOPPING.
7.	NOTCHES IN SLABS AT COLUMNS SHALL BE INFILLED WITH 25 MPa CONCRETE AND 15 MM BARS DRILLED AND EPOXYED INTO ADJACENT SLABS.
8.	CORE INSULATION SHALL BE PROVIDED BY THE PRECAST MANUFACTURER AT LOCATIONS WHERE CORES ARE TO BE GROUTED SOLID.
9.	WRITTEN CONFIRMATION SHALL BE PROVIDED FROM THE PRECAST MANUFACTURER FOR THE USE OF UFTS OR HEAVY EQUIPMENT ON PRECAST SLABS.
10.	CONSTRUCTION LOADS ON PRECAST SLABS, INCLUDING TEMPORARY STORAGE LOADS, SHALL BE PROVIDED BY THE PRECAST MANUFACTURER.
11.	CONCRETE SITE DRILLED SLAB GROUTING SLABS WITH CONSULTANT DRAWINGS AND CUT OR DRILL HOLES THROUGH SLABS TO ENSURE THAT NO DAMAGE IS CAUSED TO THE SLABS OR REINFORCEMENT.
12.	ALL FLUSH BEAMS SHALL BE SHORED PRIOR TO AND DURING PRECAST SLAB CONCRETE PLACEMENT. SHEAR SHORING SHALL REMAIN IN PLACE UNTIL PLATE BEAM GROUT HAS FULLY CURED.
13.	ALL PRECAST CONCRETE SLABS SHALL BE PROVIDED TEMPORARY SHORING OF ALL FLUSH BEAMS. SHEAR SHORING SHALL REMAIN IN PLACE UNTIL PLATE BEAM GROUT HAS FULLY CURED.

LOADING SUMMARY	
DESIGN STANDARDS	
1.	ONTARIO BUILDING CODE, 2012, PART A: STRUCTURAL DESIGN
2.	THE CONTRACTOR SHALL VERIFY THE BEARING CAPACITY WITH A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
3.	THE SLAB-ON-GRADE SHALL BEAR ON NATIVE UNDISTURBED SOIL, COMPACTED AND DENSED AS REQUIRED BY THE GEOTECHNICAL ENGINEER. REFER TO GEOTECHNICAL INVESTIGATION PREPARED BY FORWARD ENGINEERING & ASSOCIATES INC. DATED OCTOBER 8, 2025 NO. Q707.
4.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR Dewatering AND ASSOCIATED PERMITS AND APPLICATIONS.
5.	ALL FOOTINGS SHALL BE CENTERED ON THE WALL UNLESS OTHERWISE NOTED.
6.	THE FOOTING DESIGN IS BASED ON INFORMATION AVAILABLE AT THE TIME OF DESIGN. THE CONTRACTOR MAY BE RESPONSIBLE DURING CONSTRUCTION IF THE SITE CONDITIONS WARRANT, BUT ONLY WITH THE EXPRESS PERMISSION OF THE ENGINEER.
7.	THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY HEATING AND HOMESIDE PADS AS REQUIRED BY CAN/CSA A3.1 AND CAN/CSA A3.2. PROVIDE TEMPORARY HEATING AND HOMESIDE PADS FOR PRECAST CONCRETE SLABS FOUNDED ABOVE THE FROST LINE DURING WINTER CONSTRUCTION.
8.	DO NOT BACKFILL AGAINST WALLS RETAINING EARTH UNTIL THE ELEMENTS PROVIDED AS LATERAL SUPPORT ARE COMPLETE. PLACE BACKFILL IN A MANNER THAT WILL NOT DAMAGE THE PRECAST CONCRETE SLABS. THE WALL IS NOT GREATER THAN 300mm (12") IN THICKNESS.
9.	ALL FILL MATERIALS UNDER FLOOR SLABS ON GRADE SHALL BE MECHANICALLY COMPACTED IN LAYERS TO 100% OF THE STANDARD PROCTOR TEST VALUE (DENSITY SPAD) UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT.
10.	THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND SIZES OF ALL UNDERGROUND SERVICES AND ADVISE THE ENGINEER AND ARCHITECT OF ANY CONFLICTS. THIS INFORMATION IS TO BE PROVIDED TO THE CONTRACTOR FOR COMMENCEMENT OF ANY DEMOLITION OR EXCAVATION WORK.
11.	FOUNDATION WALL HEIGHTS AND COURSING SHALL BE BASED ON THE UNPUBLISHED DRAWINGS. PROVIDE A 100mm (4") GROUT LINE ON THE GROUND FLOOR FINISHED FLOOR ELEVATION. THIS SHALL BE SUPERSEDED WHERE A TOP OF FOOTING ELEVATION IS SPECIFIED. DO NOT COUNT THE COURSE IN THE FLOOR LINE.

FOUNDATION NOTES	
1.	FOOTING SHALL BEAR ON NATIVE UNDISTURBED SOIL WITH A MINIMUM BEARING RESISTANCE OF:
2.	575 kPa HILL
3.	575 kPa FLAT
4.	575 kPa ROCK
5.	575 kPa PEAK
6.	575 kPa CLAY
7.	575 kPa SAND
8.	575 kPa SILT
9.	575 kPa CLAY-SILT
10.	575 kPa CLAY-SAND
11.	575 kPa CLAY-SILT-SAND
12.	575 kPa CLAY-SILT-SAND-CLAY
13.	575 kPa CLAY-SILT-SAND-CLAY-SILT
14.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND
15.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY
16.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT
17.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND
18.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY
19.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT
20.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND
21.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY
22.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT
23.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND
24.	575 kPa CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY-SILT-SAND-CLAY
25.	575 kPa CLAY



<u>PIER SCHEDULE</u>			
<u>MARK</u>	<u>SIZE</u>	<u>REINFORCING</u>	<u>T/O PIER ELEV.</u>
P1	450x450	4-25M VERTS & 10M @300 TIES	-200
P2	600x600	8-25M VERTS & 2-10M @300 TIES	-200

<u>FOOTING SCHEDULE</u>		
<u>MARK</u>	<u>SIZE</u>	<u>REINFORCING</u>
<i>F1</i>	1200x1200x300	4-20M B.E.W.
<i>F2</i>	2000x2000x400	8-20M B.E.W.
<i>F3</i>	3000x3000x500	12-20M B.E.W.

<u>FOUNDATION LEGEND</u>	
<u>DESCRIPTION</u>	<u>SYMBOL</u>
(C.J.) SAW CUT CONTROL JOINT	C.J. _____
FOOTING EXTENTS	_____
STEP DOWN FOOTING	
<u>FOUNDATION NOTES</u>	

1. **TOP OF GROUND FLOOR SLAB ELEV. = 178.80 GEOD (0.0) UNLESS NOTED OTHERWISE.**
2. **THE UNDERSIDE OF FOOTING ELEVATION SHALL BE -1500mm U.N.O.**
3. **U/S OF SPREAD FOOTING TO BE DROPPED TO PRO A CONTINUOUS TOP OF FOOTING.**
4. **REFER TO S1.1 FOR TYPICAL FOUNDATION DETAILS S1.4 FOR CONCRETE NOTES.**
5. **COORDINATE PIER, ANCHOR BOLT LAYOUT WITH COLUMN BASE PLATES.**
6. **ELEVATIONS SHOWN ARE APPROXIMATE ONLY. REFER TO ARCHITECTURAL FLOOR PLAN FOR DRAIN LOCATIONS AND SLOPE TO DRAIN.**
7. **PROVIDE SAWCUTS IN THE SLAB-ON-GRADE IN A 3m GRID PATTERN AND ALONG THRESHOLDS**

NO	REVISIONS	
6	ISSUED FOR TENDER	2
5	ISSUED FOR PERMIT	2
4	ISSUED FOR COORDINATION	2
3	ISSUED FOR 99%	2
2	ISSUED FOR 95%	2
1	ISSUED FOR 80%	2

NO	ISSUED
<p>DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE PROJECT; AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.</p>	
<p>LICENSED PROFESSIONAL ENGINEER</p> <p>Jan. 13, 2026</p> <p>G. W. D. FINLAY</p> <p>100224815</p> <p>Grant Finlay</p> <p>PROVINCE OF ONTARIO</p>	

OAKVILLE #5 PUBLIC SCHOOL

3490 PRESERVE DRIVE OAKVILLE, ON


HALTON DISTRICT SCHOOL BOARD
J.W.SINGLETON EDUCATION CENTRE
2050 GUELPH LINE
BURLINGTON, ON., L7R 4B6
TEL. (905) 335-4100
FAX (905) 335-4187

Halton District School Board

FOUNDATION PLAN

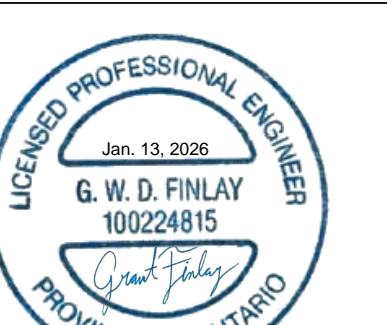
**HOSSACK
& ASSOCIATES
ARCHITECTS**

		4-2150 DUNWIN DRIVE MISSISSAUGA, ONTARIO L5L 5M8 Tel (905) 607-8284 Fax (905) 607-8290
SCALE As indicated	PROJECT 19001	
DATE FEB. 2019		
DRAWN S.NUVE	DRAWING S1.0	
CHECKED G.F.		



NO. REVISIONS DATE
 6 ISSUED FOR TENDER 26-01-13
 5 ISSUED FOR PERMIT 25-03-21
 4 ISSUED FOR COORDINATION 24-06-21
 3 ISSUED FOR 99% 23-12-08
 2 ISSUED FOR 95% 23-11-24
 1 ISSUED FOR 80% 23-10-16
 NO. ISSUED DATE

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK DRAWINGS FOR ACCURACY AND CONSULTATION ON THE PROJECT, AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANT. THE CONSULTANT IS NOT RESPONSIBLE FOR THE WORK OF THE CONTRACTOR. THIS DRAWING IS FOR INFORMATION PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANT.



OAKVILLE #5 PUBLIC SCHOOL

3490 PRESERVE DRIVE OAKVILLE, ON

LEGAL DESCRIPTION:
BLOCKS XX, REGISTERED PLAN 20A-XXXX
TOWN OF OAKVILLE, REGION OF HALTON

KALOS
Engineering Inc.
300 YORK BLVD HALTON ON, L8R 3K6
PROJECT No. 22801

HALTON DISTRICT SCHOOL BOARD
J.W. SINGLETON EDUCATION CENTRE
1000 BURLINGTON PKWY, BURLINGTON, ON, L7R 3Z2
TEL (905) 825-3963 FAX (905) 833-9802

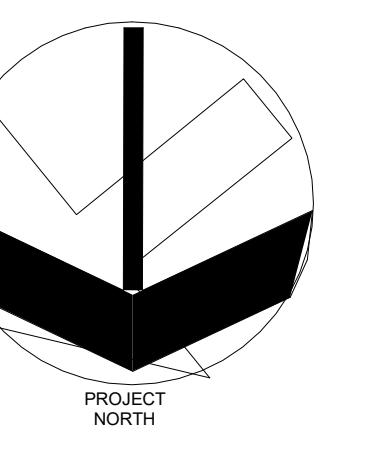
SLAB-ON-GRADE
SAW-CUT PLAN

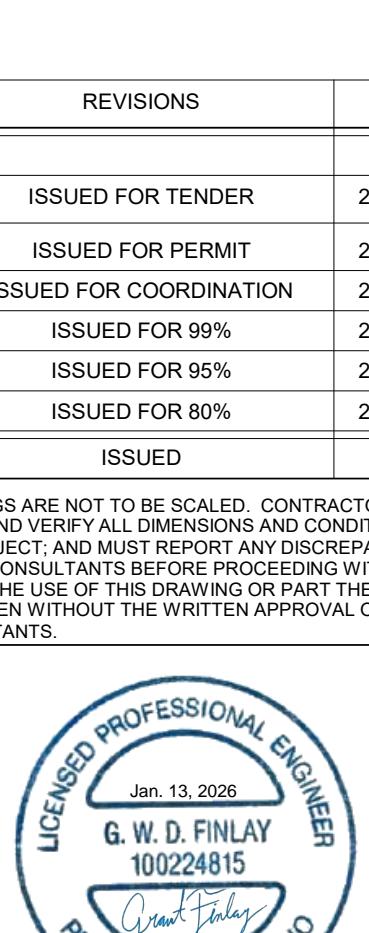

HOSSACK
& ASSOCIATES
ARCHITECTS

4-1700 BURNING DRIVE
MISSISSAUGA, ONTARIO L5L 4M6
TEL (905) 669-1000 FAX (905) 669-1001

SCALE As indicated PROJECT 19001
DATE FEB. 2019 DRAWN S.N.U.V.E. DRAWING
DRAWN G.F. CHECKED G.F.
PRINT DATE 2/28/2019 3:54:54 PM
REVIEW DATE 2/28/2019 3:54:54 PM
REVIT FILE 22801-HS5000-Charlote 5.R22.Rvt

S1.1





OAKVILLE #5 PUBLIC SCHOOL

3490 PRESERVE DRIVE OAKVILLE, ON

LEGAL DESCRIPTION:
BLOCKS XX, REGISTERED PLAN 20A-XXXX
TOWN OF OAKVILLE, REGION OF HALTON



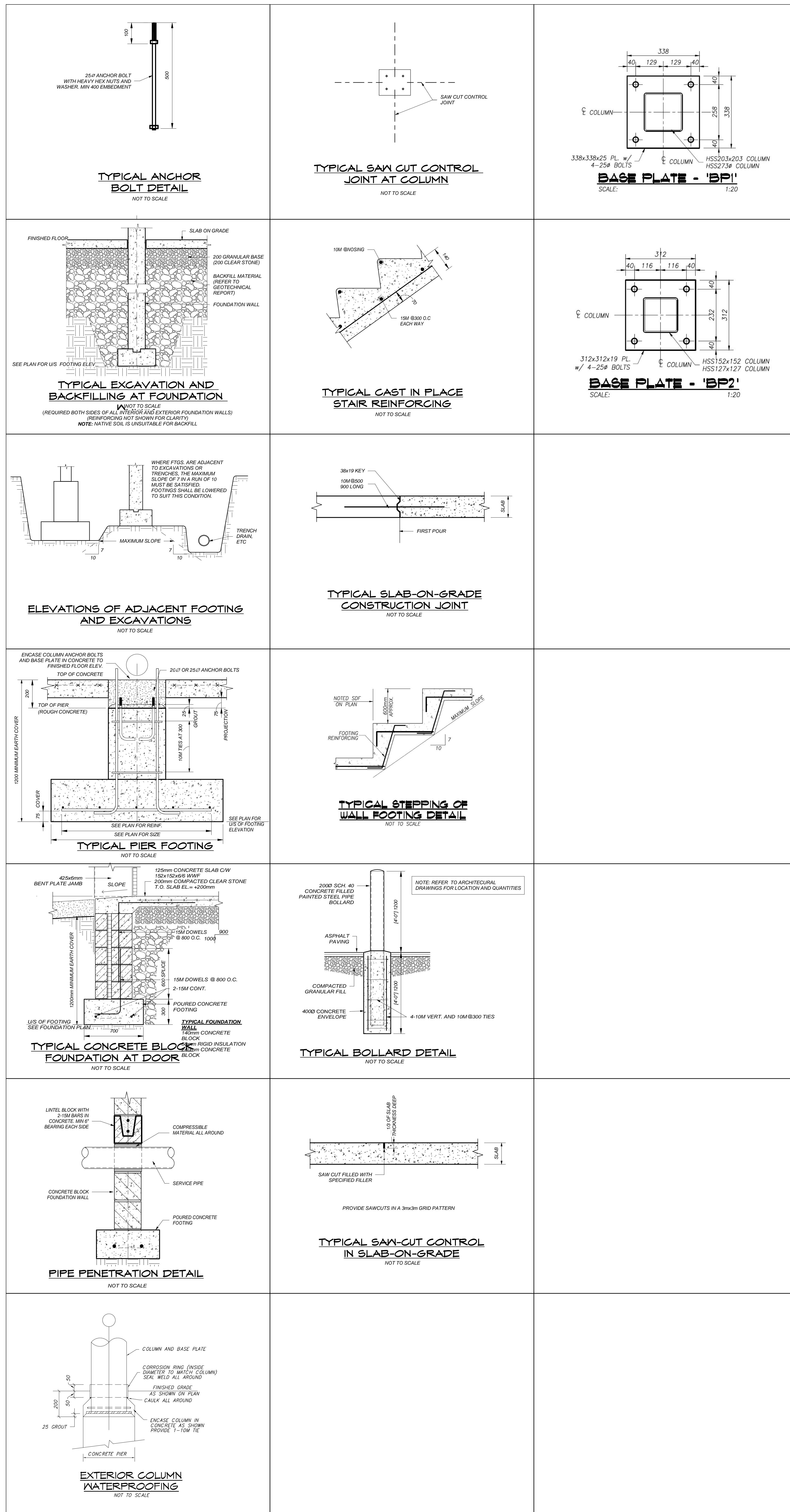
HALTON DISTRICT SCHOOL BOARD
J.W. SINGLETON EDUCATION CENTRE
1000 BURLINGTON HIGHWAY, BURLINGTON, ON, L7R 3Z2
TEL (905) 669-3663 FAX (905) 669-3802

FOUNDATION SECTIONS

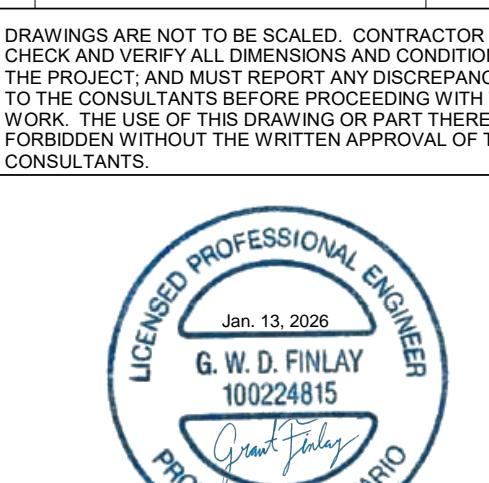
HOSSACK
& ASSOCIATES
ARCHITECTS

4-1100 BURNING DRIVE MISSISSAUGA, ONTARIO L5N 4A6 TEL (905) 669-3802 FAX (905) 669-3803	SCALE 1:20	PROJECT 19001
DATE FEB 2019	DRAWN S.NUVE	DRAWING
DRAWN DATE 2/28/2019	REVIEWED DATE 2/28/2019	REVIEWED BY G.F.
PRINT DATE 1/20/2019 4:05:32 PM		
REVIT FILE 22801-H5000-A-Centre 5.R22.Rvt		

S2.0



NO	REVISIONS	DATE
6	ISSUED FOR TENDER	26-01-13
5	ISSUED FOR PERMIT	25-03-21
4	ISSUED FOR COORDINATION	24-06-21
3	ISSUED FOR 99%	23-12-08
2	ISSUED FOR 95%	23-11-24
1	ISSUED FOR 80%	23-10-16
NO	ISSUED	DATE



OAKVILLE #5 PUBLIC SCHOOL
3490 PRESERVE DRIVE OAKVILLE, ON

LEGAL DESCRIPTION:
BLOCKS XX, REGISTERED PLAN 20A-XXXX
TOWN OF OAKVILLE, REGION OF HALTON



HALTON DISTRICT SCHOOL BOARD
J.W. SINGLETON EDUCATION CENTRE
1000 BURLINGTON HIGHWAY
BURLINGTON, ON, L7R 3Z2
TEL (905) 825-3963
FAX (905) 825-9802

TYPICAL FOUNDATION DETAILS

HOSSACK & ASSOCIATES ARCHITECTS

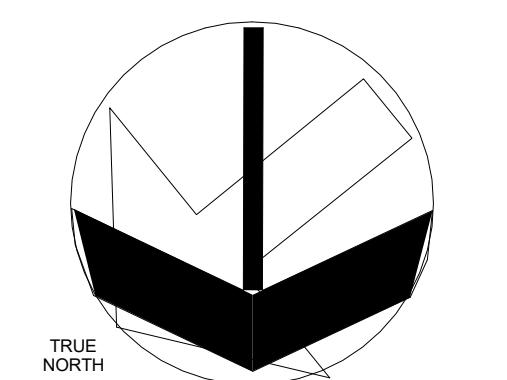

4-1100 BURNHAM DRIVE
MISSISSAUGA, ONTARIO L5N 2K8
TEL (905) 669-1100
FAX (905) 669-1101

SCALE As indicated
DATE 1 FEB 2019

DRAWN S. NUVE DRAWING
CHECKED G.F. REVIT

PRINT DATE 1/26/2019 4:05:36 PM
REVIT FILE 22801-HOSPITAL-Charlote 5.R22.Rvt

S2.1



SLAB LEGEND

FRAMING NOTES

1. TOP OF STEEL ELEVATION 3700 UNLESS NOTED **THUS**
2. TOP OF PRECAST SLAB 3950 UNLESS NOTED **THUS** +
3. REFER TO ARCHITECTURAL DRAWINGS. AND MECHANICAL DRAWINGS FOR DIMENSIONS.
4. REFER TO DRAWING S0.0 FOR NOTES AND S4.0 STAN. DETAILS AND FOR CONCRETE BLOCK WALL REINFORCING.
5. REFER TO ARCH'L, MECH'L AND ELEC'L DWGS. FOR SIGHT LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE L SCHEDULE DRAWINGS S4.0 FOR LINTEL SIZES.
6. ELEVATION SHOWN FOR TOP OF JOISTS AND ROOF CHANNELS ARE APPROXIMATE ONLY. REFER TO ARCH'L ROOF PLAN FOR DRAIN LOCATIONS AND SET STEEL T EVENLY TO DRAIN.

FRAMING NOTES

1. TOP OF STEEL ELEVATION 3700 UNLESS NOTED THUS
2. TOP OF PRECAST SLAB 3950 UNLESS NOTED THUS +
3. REFER TO ARCHITECTURAL DRAWINGS. AND MECHANICAL DRAWINGS FOR DIMENSIONS.
4. REFER TO DRAWING S0.0 FOR NOTES AND S4.0 STANDARDS, DETAILS AND FOR CONCRETE BLOCK WALL REINFORCING.
5. REFER TO ARCH'L, MECH'L AND ELEC'L DWGS. FOR SIGHT LOCATION OF ALL OPENINGS IN BLOCK WALLS. SEE LINTEL SCHEDULE DRAWINGS S4.0 FOR LINTEL SIZES.
6. ELEVATION SHOWN FOR TOP OF JOISTS AND ROOF CHANNELS ARE APPROXIMATE ONLY. REFER TO ARCH'L ROOF PLAN FOR DRAIN LOCATIONS AND SET STEEL TRusses EVENLY TO DRAIN.
7. REFER TO S0.0 FOR PRECAST SLAB CONFIGURATION AND ROOF CHANNELS.
8. REFER TO S0.0 FOR COLUMN SCHEDULE.
9. PROVIDE STEEL LINTELS FOR ALL OPENINGS AS SHOWN ON ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS (NOT ALL SHOWN ON THIS DRAWING) REFER TO S4.0 FOR LINTEL SIZES. PROVIDE LINTELS AT ALL DUCT OPENINGS. ALL LINTELS SHALL BE PROVIDED BY THE STRUCTURAL STEEL TRADE.
10. COORDINATE PRECAST SLABS w/ MECHANICAL EQUIPMENT & ASSOCIATED PENETRATIONS.

STAIR FRAMING NOTES

1. THE HANDRAILS MUST BE DESIGNED TO WITHSTAND LOADING AS SPECIFIED IN O.B.C. DIV. B. ARTICLE 3.4.6. GUARD RAILS MUST BE DESIGNED TO WITHSTAND LOAD AS SPECIFIED IN ARTICLES 4.1.5.15. & 4.1.5.17. SHOP DRAWINGS ARE TO BE STAMPED BY A PROFESSIONAL ENGINEER.

STAIR FRAMING NOTES

1. **THE HANDRAILS MUST BE DESIGNED TO WITHSTAND LOADING AS SPECIFIED IN O.B.C. DIV. B. ARTICLE 3.4.6. GUARD RAILS MUST BE DESIGNED TO WITHSTAND LOAD AS SPECIFIED IN ARTICLES 4.1.5.15. & 4.1.5.17. SHOP DRAWINGS ARE TO BE STAMPED BY A PROFESSIONAL ENGINEER.**

WALL LEGEND

	LOAD BEARING WALLS.
	NON-LOAD BEARING PARTITION WALLS.
	NON-LOAD BEARING PARTITION WALLS ABOVE.
	LOAD BEARING PARTITION WALLS ABOVE.

WALL SCHEDULE

<u>WALL SCHEDULE</u>	
 W1	190 CONCRETE BLOCK WALL
 W2	210 CONCRETE BLOCK WALL

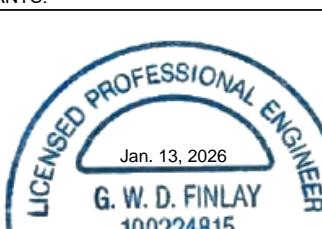
W2

NOTE: PROVIDE SOLID SLABS AS REQUIRED, TO BE DETERMINED BY THE PRECASTER

DECK LEGEND

D1	<p>38 STEEL DECK (MIN. 20GA) ACOUSTIC</p>
D2	<p>38 STEEL DECK (MIN. 20GA) ACOUSTIC</p>
D3	<p>38 STEEL DECK C/W 62 CONCRETE TOPPING c/w 152x152MW18.7xMW18.7 (100 COMPOSITE DECK)</p>

NO	REVISIONS	DATE
6	ISSUED FOR TENDER	26-01-2018
5	ISSUED FOR PERMIT	25-03-2018
4	ISSUED FOR COORDINATION	24-06-2018
3	ISSUED FOR 99%	23-12-2018
2	ISSUED FOR 95%	23-11-2018
1	ISSUED FOR 80%	23-10-2018

NO	ISSUED	DATE
<p>DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE PROJECT; AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.</p>		
		

OAKVILLE #5 PUBLIC SCHOOL

3490 PRESERVE DRIVE OAKVILLE, ON

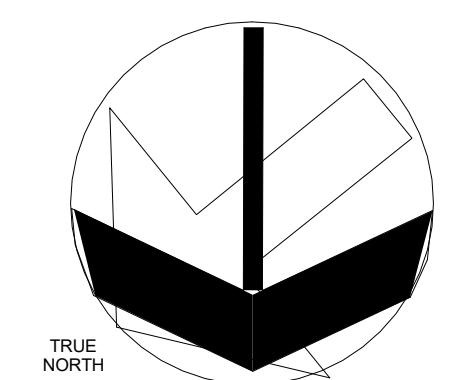

The logo for the Town of Oakville, Region of Halton. It features the text 'TOWN OF OAKVILLE, REGION OF HALTON' in a serif font, with 'TOWN OF OAKVILLE' on top and 'REGION OF HALTON' on the bottom. A thin horizontal line is positioned below the text.

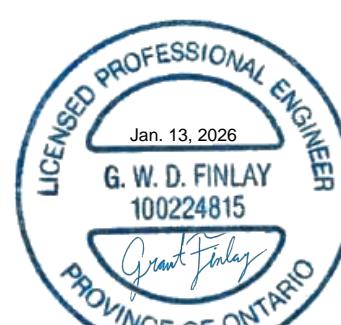
SECOND FLOOR FRAMING PLAN

HOSSACK & ASSOCIATES ARCHITECTS

 <hr/> <p>4-2150 DUNWIN DRIVE MISSISSAUGA, ONTARIO L5L 5M8 Tel (905) 607-8284 Fax (905) 607-8290</p>	
<p>SCALE As indicated</p>	<p>PROJECT</p>
<p>DATE FEB. 2019</p>	<p>19001</p>
<p>DRAWN</p>	<p>DRAWING</p>

FEB. 2019	
DRAWN S.NUVE	DRAWING S3.0
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PRINT DATE	1/13/2026 3:55:20 PM



NO	REVISIONS	DATE
6	ISSUED FOR TENDER	26-01-13
5	ISSUED FOR PERMIT	25-03-21
4	ISSUED FOR COORDINATION	24-06-21
3	ISSUED FOR 99%	23-12-08
2	ISSUED FOR 95%	23-11-24
1	ISSUED FOR 80%	23-10-16
NO	ISSUED	DATE
<p>DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT; AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.</p>		
		

OAKVILLE #5 PUBLI SCHOOL

3490 PRESERVE DRIVE OAKVILLE, ON

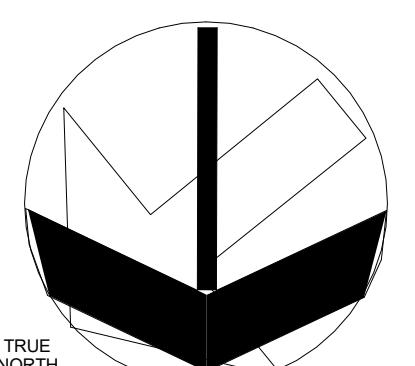

BLOCKS XX , REGISTERED PLAN 20M-XX
TOWN OF OAKVILLE, REGION OF HALTON

THIRD FLOOR FRAMING PLAN

HOSSACK & ASSOCIATES ARCHITECTS

MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905) 607-8290

DRAWN S.NUVE	DRAWING S3.1
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PRINT DATE	1/13/2026 3:55:24 PM



NO	REVISIONS	
6	ISSUED FOR TENDER	2
5	ISSUED FOR PERMIT	2
4	ISSUED FOR COORDINATION	2
3	ISSUED FOR 99%	2
2	ISSUED FOR 95%	2
1	ISSUED FOR 80%	2

NO ISSUED

DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE PROJECT; AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH WORK. THE USE OF THIS DRAWING OR PART THEREOF IS FORBIDDEN WITHOUT THE WRITTEN APPROVAL OF THE CONSULTANTS.



OAKVILLE #5 PUBLI SCHOOL

3490 PRESERVE DRIVE OAKVILLE, ON



KALO
Energia sostenibile


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
HALTON DISTRICT SCHOOL B
J.W.SINGLETON EDUCATION CE
2050 GUELPH
BURLINGTON, ON., L7R 4B6
TEL. (905) 335-4100
FAX (905) 335-4187

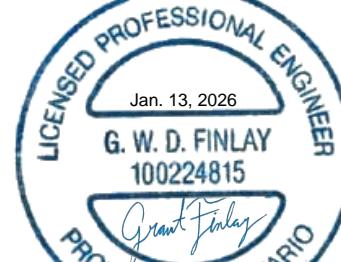
ROOF FRAMING PLAN

HOSSACK & ASSOCIATES ARCHITECTS

Tel (905) 607-8284 Fax (905) 607-8290	
SCALE As indicated	PROJECT
DATE FEB. 2019	19001
DRAWN S.NUVE	DRAWING
CHECKED G.F.	S3.2





NO	REVISIONS	DATE
6	ISSUED FOR TENDER	26-01-13
5	ISSUED FOR PERMIT	25-03-21
4	ISSUED FOR COORDINATION	24-06-21
3	ISSUED FOR 99%	23-12-08
2	ISSUED FOR 95%	23-11-24
1	ISSUED FOR 80%	23-10-16
NO	ISSUED	DATE
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OAKVILLE #5 PUBLIC SCHOOL

LEGAL DESCRIPTION:

The logo for Kalos Engineering Inc. consists of a large, stylized letter 'K' on the left, composed of two overlapping teal-colored 3D rectangular blocks. To the right of the 'K', the word 'KALOS' is written in a large, bold, dark blue sans-serif font. Below 'KALOS', the words 'Engineering Inc.' are written in a smaller, dark blue sans-serif font.

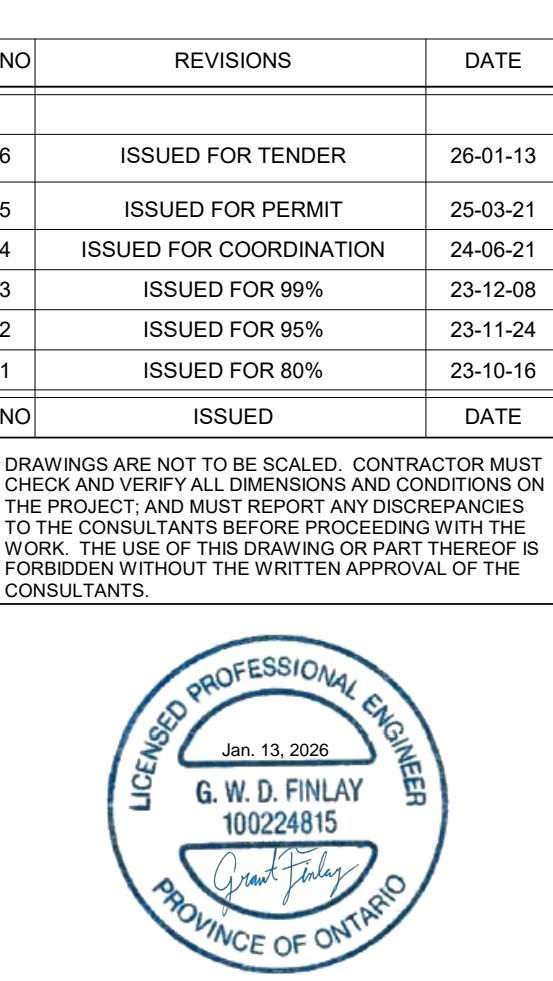
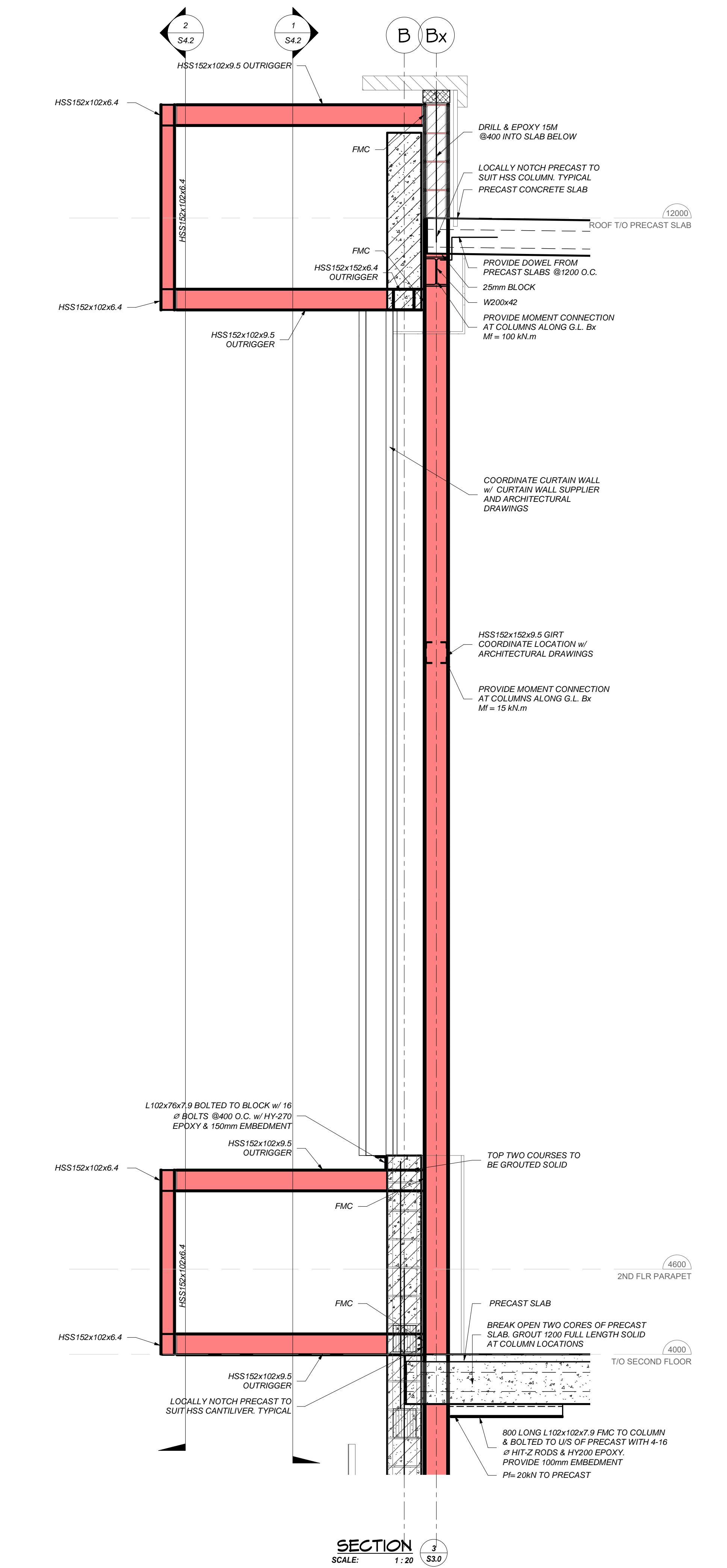
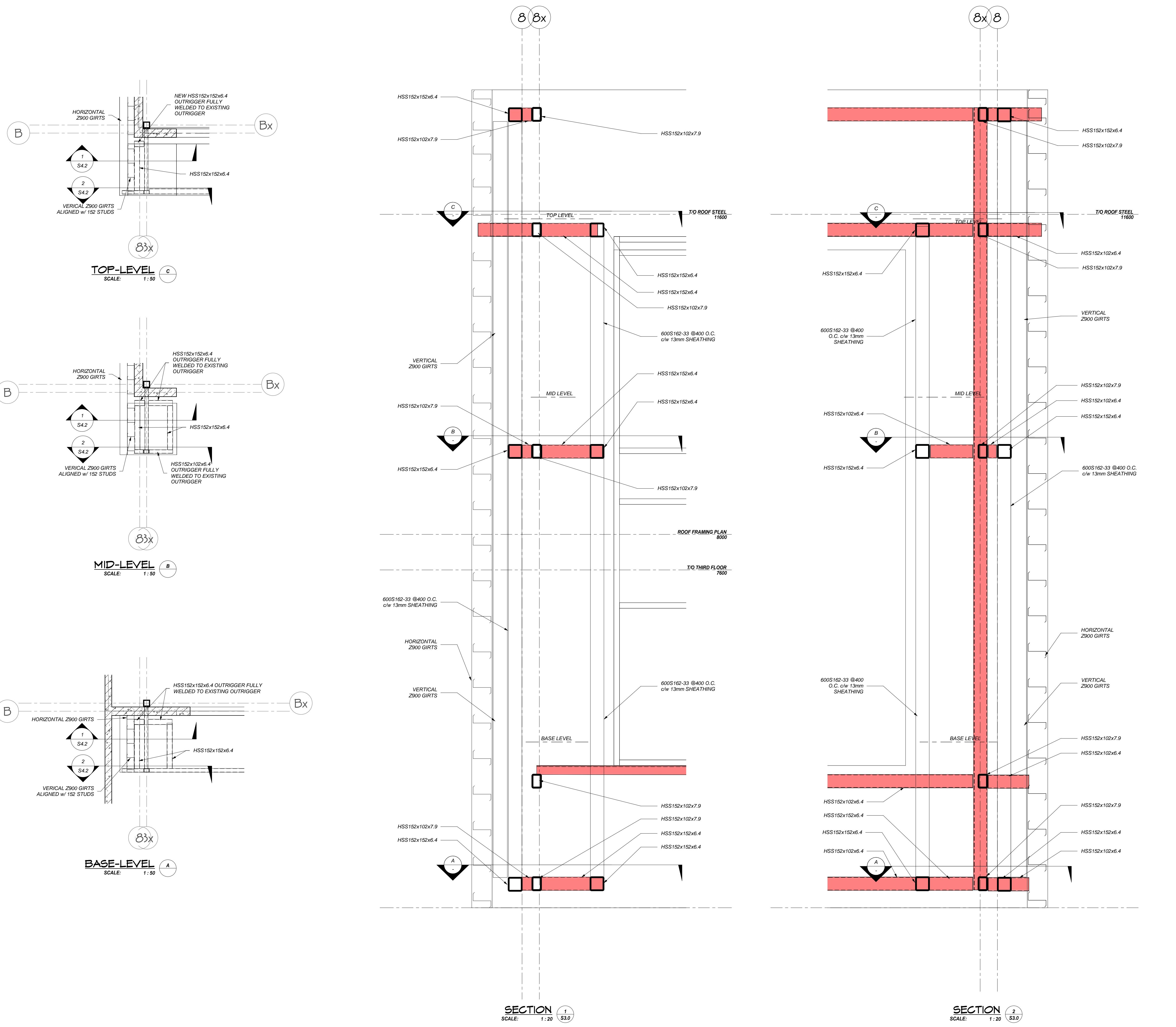
HALTON DISTRICT SCHOOL BOARD
J.W. SINGLETON EDUCATION CENTRE
2050 GUELPH LINE
BURLINGTON, ON., L7R 3Z2
TEL. (905) 335-3663
FAX (905) 335-9802

FRAMING SECTIONS

**HOSSACK
& ASSOCIATES
ARCHITECTS**

4-2150 DUNWIN DRIVE
MISSISSAUGA, ONTARIO L5L 5M8
Tel (905) 607-8284 Fax (905) 607-8290

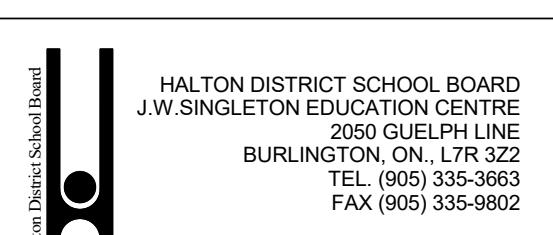
DATE	19001
FEB. 2019	
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OAKVILLE #5 PUBLIC SCHOOL

3490 PRESERVE DRIVE OAKVILLE, ON

LEGAL DESCRIPTION:
BLOCKS XX, REGISTERED PLAN 20A-XXXX
TOWN OF OAKVILLE, REGION OF HALTON



FRAMING SECTIONS

HOSSACK & ASSOCIATES ARCHITECTS

19001
PROJECT
19001
SCALE
As indicated
DATE
1 FEB. 2019
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S.N.U.V.
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2/28/2019 10:00:00 AM
S4.2
PRINTED
2/28/2019 10:00:00 AM
BY G.F.
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