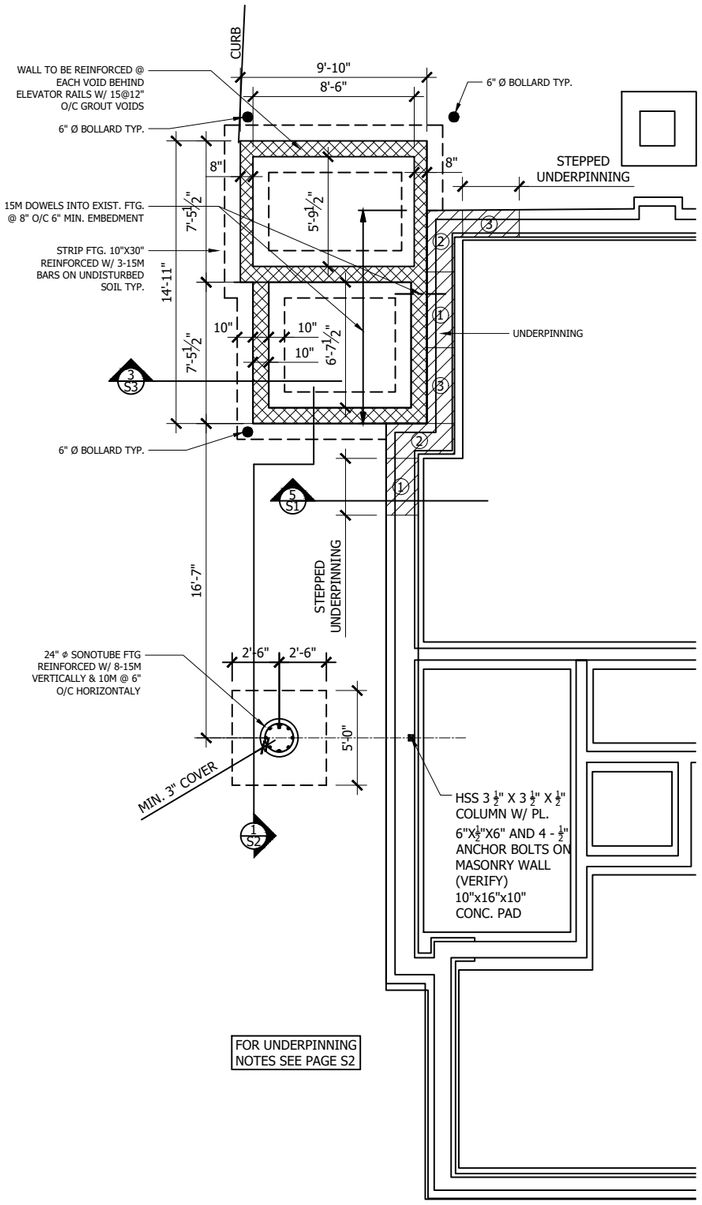
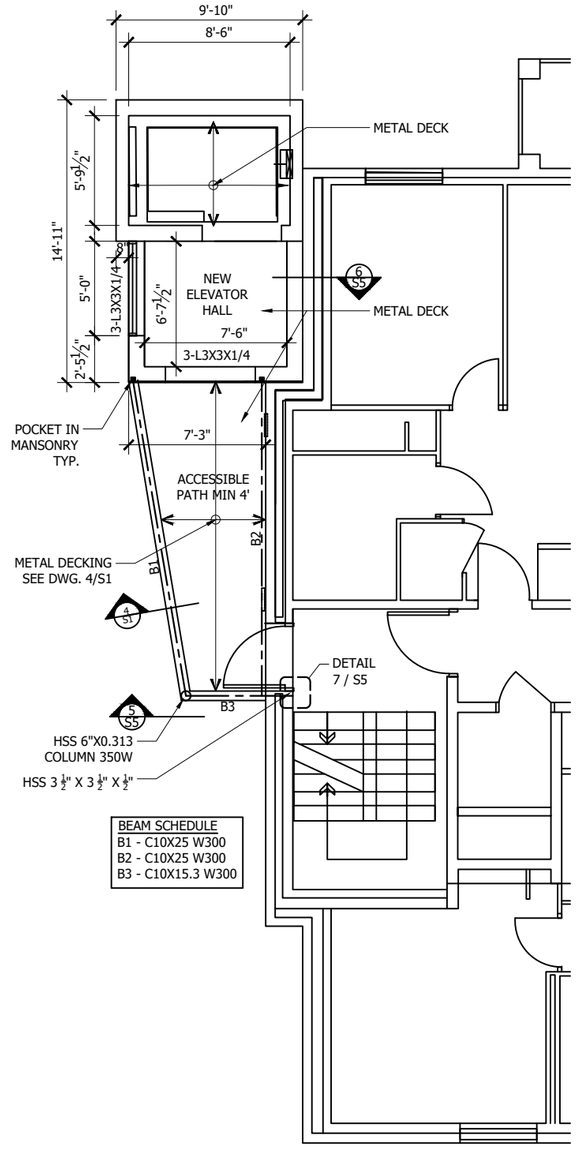
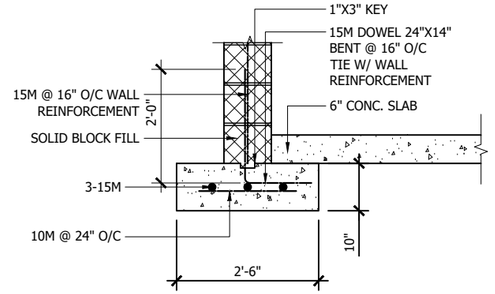


1 / S1 FOUNDATION FLOOR PLAN
1/8"=1'-0"

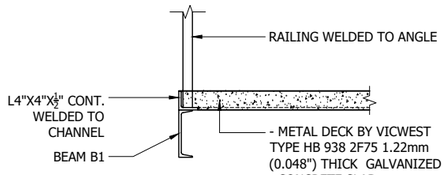


BEAM SCHEDULE
B1 - C10X25 W300
B2 - C10X25 W300
B3 - C10X15.3 W300

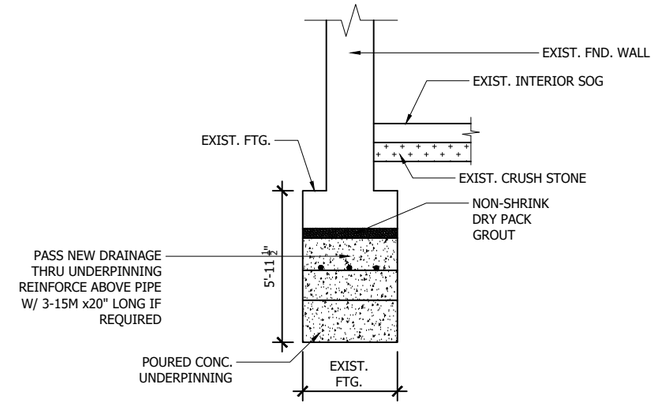
2 / S1 TYPICAL FLOOR PLAN
1/8"=1'-0"



3 / S1 DETAIL
3/8"=1'-0"



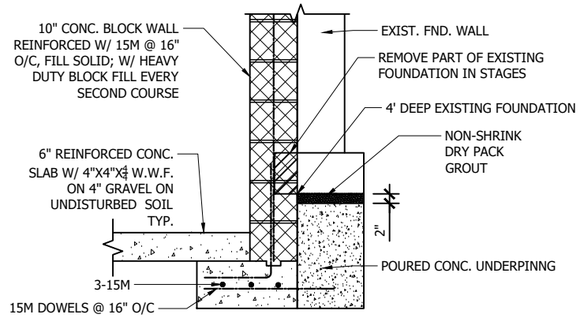
4 / S1 DETAIL
3/8"=1'-0"



5 / S1 TYP. UNDERPINNING DETAIL/SECTION
3/8"=1'-0"

GENERAL NOTES:

1. DO NOT SCALE DRAWING.
2. THE STRUCTURE HAS BEEN DESIGNED ACCORDING TO THE ONTARIO BUILDING CODE, 2012.ALL WORK TO BE DONE IN ACCORDING TO THE SAME
3. CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE AND TO REPORT ANY ERRORS OR OMISSIONS TO THE ENGINEER IN WRITING.
4. ALL DRAWINGS AND SPECIFICATIONS TO REMAIN THE PROPERTY OF THE ENGINEER.
5. ONLY LATEST APPROVED DRAWINGS ARE TO BE USED FOR CONSTRUCTION
6. ASSUME SOIL CAPACITY :
   USL = 250 kPa
   SLS = 180 kPA
   STIFF CLAY TO BE VERIFIED PRIOR CONSTRUCTION



6 / S1 DETAIL
3/8"=1'-0"

GENERAL NOTES

1. ALL DIMENSIONS MUST BE CHECKED AND CO-ORDINATED, REPORT ANY DISCREPANCIES TO THE ENGINEER AND ARCHITECT BEFORE PROCEEDING WITH THE WORK.
2. DO NOT SCALE DRAWING.
3. ALL DRAWINGS AND SPECIFICATIONS TO REMAIN THE PROPERTY OF THE ENGINEER.
4. ONLY LATEST APPROVED DRAWINGS TO BE USED FOR CONSTRUCTION.

LICENSED PROFESSIONAL ENGINEER — DEC 31 2025 — TOMASZ ZENIUK — PROVINCE OF ONTARIO

TAK ENGINEERING LTD.
2392 DELKUS CRES. MISSISSAUGA, ON L5A 1K7
TEL: 905-275-2271 416

No.	By	Revisions	Date
5	BK	UPDATED FOR COMMENTS	DEC. 31. 2025
4	BK	UPDATED FOR COMMENTS	MAR. 31. 2025
3	BK	UPDATED FOR COMMENTS OF FIFTH REVIEW	DEC. 29. 2023
2	BK	UPDATED FOR COMMENTS	MAY. 09. 2022
1	BK	ISSUED FOR PERMIT	OCT. 14. 2021

Design:	T.Z.
Drawn:	B.K.
Checked:	T.Z.
Approved:	T.Z.
Date:	DEC. 2025
Scale:	AS NOTED

Client: St. Luke's Close of Burlington Inc.

Address: 1421 Elgin St. Burlington, ON L7S 1R6

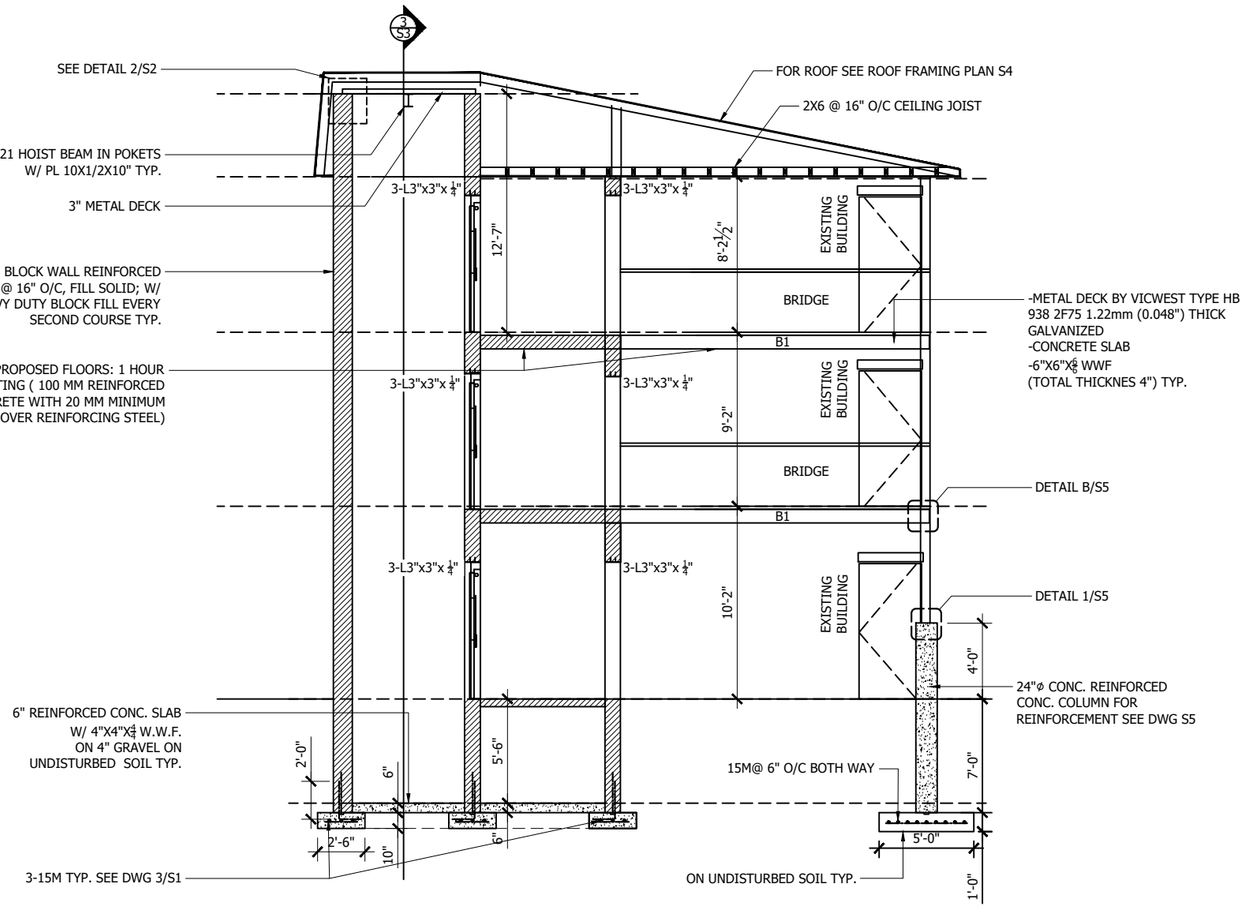
Drawing: ADDITION OF ELEVATOR TO EXIST. APPARTMENT BUILDING FLOOR PLANS AND DETAILS

Project: 2020-12

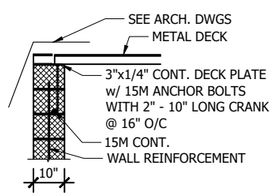
Sheet: S1 R5

Drawings: 1 of 5

13/10/2021 8:14:19 PM E:\Trabajo\Tak Engineering\2020-11\2025\TAK_STRUCTURE 2025-DEC-30.dwg



1/S2 **SECTION**
1/8"=1'-0"



2/S2 **DETAIL**
1/4"=1'-0"

GENERAL NOTES:

1. DO NOT SCALE DRAWING.
2. THE STRUCTURE HAS BEEN DESIGNED ACCORDING TO THE ONTARIO BUILDING CODE, 2012.ALL WORK TO BE DONE IN ACCORDING TO THE SAME
3. CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE AND TO REPORT ANY ERRORS OR OMISSIONS TO THE ENGINEER IN WRITING.
4. ALL DRAWINGS AND SPECIFICATIONS TO REMAIN THE PROPERTY OF THE ENGINEER.
5. ONLY LATEST APPROVED DRAWINGS ARE TO BE USED FOR CONSTRUCTION

NOTES

1. COMPLY WITH OCCUPATIONAL HEALTH AND SAFETY ACT AND ALL APPROPRIATE REGULATIONS FOR CONSTRUCTION PROJECTS. CONTRACTOR SHALL ENSURE THE SAFETY AND STABILITY OF ALL WORK DURING CONSTRUCTION.
2. TEST ASSEMBLY PRIOR USE FOR FULL ALLOWABLE LOAD. SHOWN SHORING SYSTEM IS TYPICAL, HOWEVER SHOULD BE REVIEWED BY THE ENGINEER IF DIFFERS.
7. ALL SAWN TIMBER TO BE S.P.F. GRADE NO. 1 OR BETTER.
8. INSPECT ALL EQUIPMENT BEFORE USING. NEVER USE ANY EQUIPMENT THAT IS DAMAGES.

CONCRETE

1. ALL CONCRETE SHALL BE MINIMUM 28 DAY CONCRETE YIELD STRENGTH 32 MPA AND SHALL BE COMPOSED OF CEMENT, FINE AND COURSE AGGREGATES AND WATER. IN ADDITION, EXTERIOR, EXPOSED CONCRETE SHALL CONTAIN AN AIR ENTRAINING ADMIXTURE (5-7%) IN ACCORDANCE WITH CAN/CSA A23.1-19.
2. IN THE CASE OF READY-MIXED CONCRETE, THE QUALITY OF THE CONCRETE SHALL BE BASED ON ALTERNATE NUMBER 2 AS SET FORTH IN CAN/CSA A23.1:19. DESIGN CONCRETE MIXES TO ATTAIN THE COMPRESSIVE OF MINIMUM 35 Mpa
3. CONCRETE MIXING, PLACING, CURING AND FORMWORK SHALL CONFORM TO THE REQUIREMENTS OF CAN/CSA A23.1:19.
4. ENGAGE AN INDEPENDENT TESTING COMPANY APPROVED BY THE ARCHITECT/ENGINEER TO DO ALL THE TESTING AND INSPECTION AS REQUIRED BY CAN/CSA A23.1-04. ENSURE THAT ONE STRENGTH TEST IS MADE FOR EACH 75M OR FOR EACH DAY IT IS PLACED. PROVIDE 3 CYLINDERS FOR EACH TEST AND MAKE AT LEAST ONE SLUMP TEST WITH EACH SET OF CYLINDERS. THE SLUMP OF CONCRETE SHALL NOT EXCEED 75MM (3").

FORMWORK

1. DO CONCRETE FORMWORK IN ACCORDANCE WITH CAN/CSA - A23.1:19, EXCEPT WHERE SPECIFIED OTHERWISE.
2. PLYWOOD AND WOOD FORMWORK MATERIALS MATERIALS TO CAN/CSA - A23.1 - 19. CHEMICALLY-ACTIVE RELEASE AGENTS CONTAINING COMPOUNDS WHICH REACT WITH FREE LIME PRESENT IN CONCRETE TO PROVIDE WATER-INSOLUBE SOAPS, PREVENT SET OF FILM OF CONCRETE IN CONTACT WITH FORM.
3. VERIFY LINES AND LEVELS BEFORE PROCEEDING WITH FORMWORK. CONSTRUCT FORMS TO PRODUCE FINISHED CONCRETE CONFORMING TO SHAPE, DIMENSION, LOCATIONS AND LEVELS IDICATED WITHIN TOLERANCES REQUIRED BY CAN/CSA - A23.1 - M90.
4. LEAVE FORMWORK IN PLACE FOR FOLLOWING PERIOD OF TIME AFTER PLACING CONCRETE UNTIL REPAIR CONCRETE HAS ACHIEVED REQUIRED 28-DAY COMPRESSIVE STRENGHT.

REINFORCING STEEL

1. UNLESS OTHERWISE NOTED ALL REINFORCING STEEL SHALL CONFORM TO C.S.A.SPECIFICATIONS CAN/CSA G30.18:21, BILLET STEEL BARS FOR CONCRETE REINFORCEMENT WITH A MINIMUM YIELD STRENGTH OF 400 MPA. WELDED WIRE FABRIC SHALL CONFORM TO C.S.A. G30.5-M1983(R1998)
2. DETAIL, FABRICATE AND PLACE ALL REINFORCEMENT IN CONFORMITY TO THE CURRENT REINFORCING STEEL INSTITUTE (RSIO) MANUAL OF STANDARD PRACTICES AND CAN/CSA A23.1:19 "CONCRETE MATERIALS & METHODS OF CONSTRUCTION". MAINTAIN THE FOLLOWING CLEAR CONCRETE COVER TO REINFORCEMENT:
   -CONCRETE PLACED AGAINST EARTH FOR
3. ALL LAPS AND SPLICES IN ACCORDANCE WITH RSIO MANUAL OF STANDARD PRACTICE.
4. DO NOT WELD OR HEAT BEND REINFORCEMENT.
5. DO NOT PLACE BOTTOM REINFORCING STEEL ABOVE ELECTRICAL CONDUITS OR PLACE TOP STEEL BELOW ELECTRICAL CONDUITS. DO NOT INSTALL TOP STEEL IN SLABS UNTIL ALL ELECTRICAL CONDUITS HAVE BEEN INSTALLED. DO NOT START PLACING CONCRETE UNTIL ALL REINFORCING WITHIN THE AREAS TO BE POURED HAS BEEN PROPERLY INSTALLED AND INSPECTED BY THE ARCHITECT/ENGINEER.
6. PROVIDE DOWELS TO WALLS AND COLUMNS SIMILAR IN NUMBER, SIZE AND SPACING TO THE VERTICAL STEEL IN WALL OR COLUMN EXCEPT WHEN NOTED OTHERWISE.
7. DO NOT CUT OR RELOCATE BARS TO PROVIDE FOR INCORPORATION OF OTHER WORK UNLESS APPROVED BY ARCHITECT/ENGINEER.
8. WHERE REINFORCING IN SLABS OR WALLS IS INTERRUPTED BY OPENINGS, PROVIDE ADDITION BARS, EQUAL IN QUANTITY TO INTERRUPTED BARS, EVENLY DISTRIBUTED ON EACH SIDE OF OPENING.
9. BARS AND WIRE MESH REINFORCING SHALL BE ADEQUATELY SUPPORTED BY BOLSTERS, SPACED SUFFICIENTLY CLOSE TO PROVIDE PROPER COVER WHEN CONSTRUCTION LOADS ARE SUPERIMPOSED.
10. REINFORCING BARS SHALL BE HARD GRADE DEFORMED BARS CONFORMING TO CSA G-30.18:21, GRADE 400 (55KSI)

UNDERPINNING

1. WHERE THE FOUNDATIONS OF A BUILDING ARE TO BE CONSTRUCTED BELOW THE LEVEL OF THE FOOTINGS OF AN ADJACENT BUILDING & WITHIN THE ANGLE OF REPOSE OF THE SOIL, OR THE UNDERPINNING EXCEEDS 4' OF LATERALLY UNSUPPORTED HEIGHT, THE UNDERPINNING & RELATED CONSTRUCTION SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
2. EXCAVATION SHALL BE UNDERTAKEN IN A MANNER SO AS TO PREVENT MOVEMENT WHICH WOULD CAUSE DAMAGE TO ADJACENT PROPERTY, STRUCTURES, UTILITIES, ROADS & SIDEWALKS. CONTACT LOCAL UTILITIES PRIOR TO COMMENCING EXCAVATION.
3. MINIMUM CONCRETE STRENGTH FOR UNDERPINNING SHALL BE 15MPa (2200 PSI) AT 28 DAYS. ALL EXTERIOR CONCRETE SHALL BE 4650 PSI W/ 5%-8% AIR ENTRAINMENT.
4. CONCRETE SHALL BE CURED MINIMUM 48 HOURS BEFORE GROUTING AND PROCEEDING TO THE NEXT STAGE.
5. SHORE & BRACE WHERE NECESSARY TO ENSURE THE SAFETY & STABILITY OF THE EXISTING STRUCTURE DURING UNDERPINNING

GENERAL NOTES

1. ALL DIMENSIONS MUST BE CHECKED AND CO-ORDINATED, REPORT ANY DISCREPANCIES TO THE ENGINEER AND ARCHITECT BEFORE PROCEEDING WITH THE WORK.
2. DO NOT SCALE DRAWING.
3. ALL DRAWINGS AND SPECIFICATIONS TO REMAIN THE PROPERTY OF THE ENGINEER.
4. ONLY LATEST APPROVED DRAWINGS TO BE USED FOR CONSTRUCTION.

LICENSED PROFESSIONAL ENGINEER
DEC 31 2025
TOMASZ ZENIUK
PROVINCE OF ONTARIO

TAK ENGINEERING LTD.
2392 DELKUS CRES. MISSISSAUGA, ON L5A 1K7
TEL: 905-275-2271

No.	By	Revisions	Date
5	BK	UPDATED FOR COMMENTS	DEC. 31. 2025
4	BK	UPDATED FOR COMMENTS	MAR. 31. 2025
3	BK	UPDATED FOR COMMENTS OF FIFTH REVIEW	DEC. 29. 2023
2	BK	UPDATED FOR COMMENTS	MAY. 09. 2022
1	BK	ISSUED FOR PERMIT	OCT. 14. 2021

Design: T.Z.
Drawn: B.K.
Checked: T.Z.
Approved: T.Z.
Date: DEC. 2025
Scale: AS NOTED

Client: St. Luke's Close of Burlington Inc.

Address: 1421 Elgin St. Burlington, ON L7S 1R6

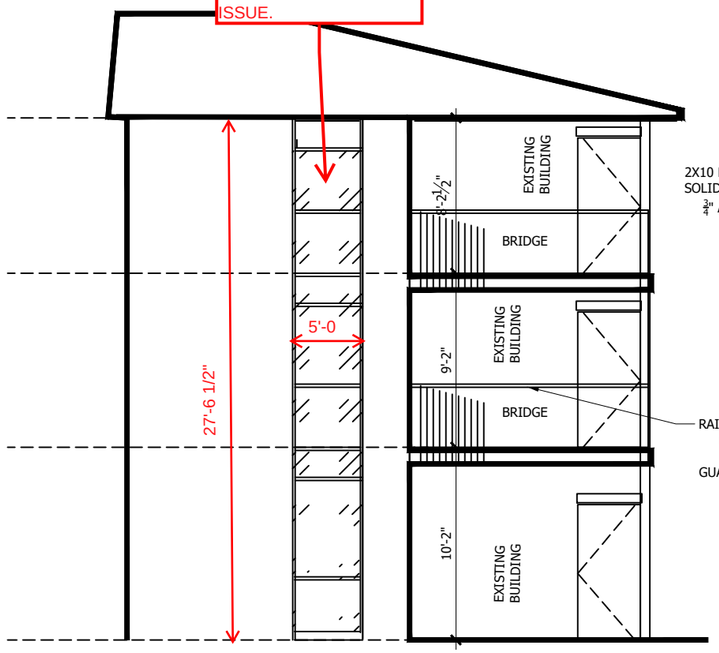
Drawing: ADDITION OF ELEVATOR TO EXIST. APPARTMENT BUILDING SECTION & NOTES

Project: 2020-12

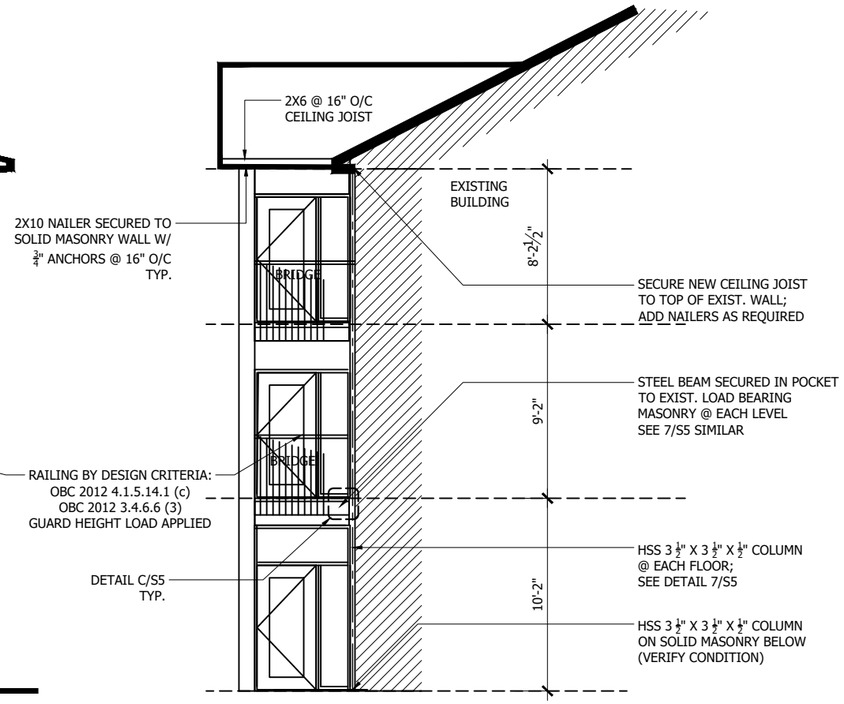
Sheet: S2 R5

Drawings: 2 of 5

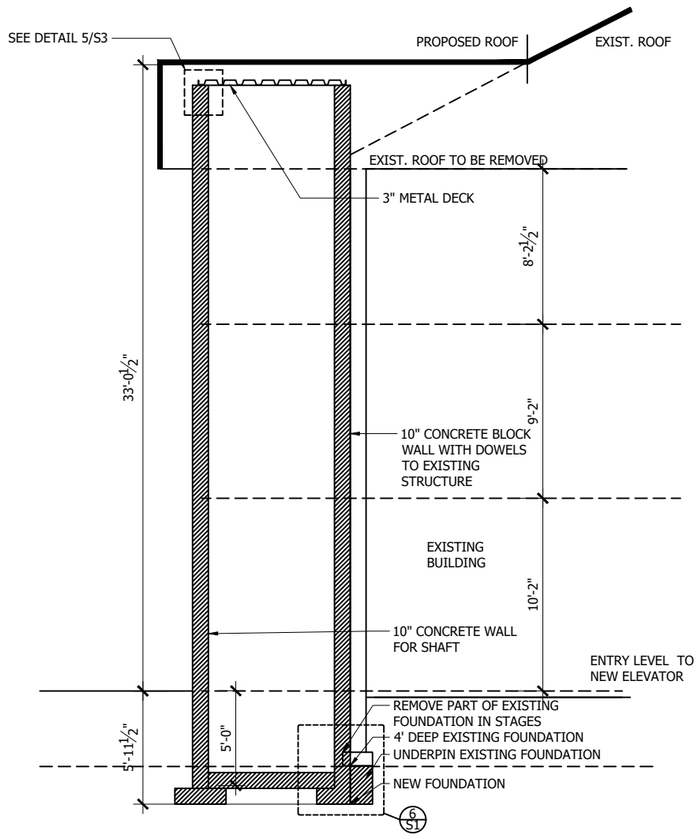
CURTAIN WALL. NOTHING SPEC'D. THE DESING WOULD HAVE TO BE DESIGNED AS A BARRIER. BOTH SIDES OF THE WALL ARE EXTERIOR, SO INSULATION IS NOT AN ISSUE.



1 S3 **ELEVATIONS 1**
1/8"=1'-0"



2 S3 **ELEVATIONS 2**
1/8"=1'-0"

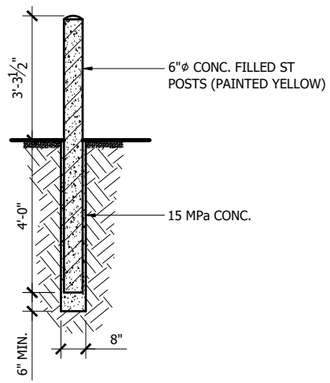


3 S3 **SECTION 3**
1/8"=1'-0"

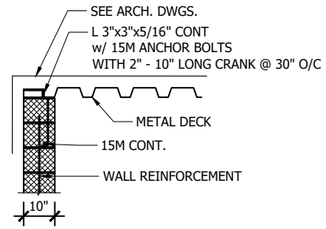
RECTORSEAL - 87733 WBB300 WALL CONDENSER BRACKET
300 LB. CAPACITY WITH POWDERCOAT OR APPROVED EQUAL

ATTACH CROSSBAR WITH FOUR (4) 8X80MM LAG SCREWS THROUGH VENEER INT WALL STUDS OR APPROVED EQUAL

FOR LOCATION OF CARRIER UNIT SEE ARCHITECTURAL DRAWING A12



4 S3 **TYP. BOLLARD DETAIL**
1/4"=1'-0"



5 S3 **DETAIL**
1/4"=1'-0"

GENERAL NOTES

1. ALL DIMENSIONS MUST BE CHECKED AND CO-ORDINATED. REPORT ANY DISCREPANCIES TO THE ENGINEER AND ARCHITECT BEFORE PROCEEDING WITH THE WORK.
2. DO NOT SCALE DRAWING.
3. ALL DRAWINGS AND SPECIFICATIONS TO REMAIN THE PROPERTY OF THE ENGINEER.
4. ONLY LATEST APPROVED DRAWINGS TO BE USED FOR CONSTRUCTION.

LICENSED PROFESSIONAL ENGINEER — DEC 31 2025 — TOMASZ ZENIUK — PROVINCE OF ONTARIO

TAK ENGINEERING LTD.
2392 DELKUS CRES. MISSISSAUGA, ON L5A 1K7
TEL: 905-275-2271

No.	By	Revisions	Date
5	BK	UPDATED FOR COMMENTS	DEC. 31. 2025
4	BK	UPDATED FOR COMMENTS	MAR. 31. 2025
3	BK	UPDATED FOR COMMENTS OF FIFTH REVIEW	DEC. 29. 2023
2	BK	UPDATED FOR COMMENTS	MAY. 09. 2022
1	BK	ISSUED FOR PERMIT	OCT. 14. 2021

Design: T.Z.
Drawn: B.K.
Checked: T.Z.
Approved: T.Z.
Date: DEC. 2025
Scale: AS NOTED

Client: St. Luke's Close of Burlington Inc.

Address: 1421 Elgin St. Burlington, ON L7S 1R6

Drawing: ADDITION OF ELEVATOR TO EXIST. APPARTMENT BUILDING ELEVATION

Project: 2020-12

Sheet: S3 R5

Drawings: 3 of 5

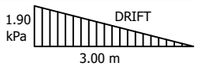
13/10/2021 8:14:19 PM E:\Trabajo\Tak Engineering\2020-11\2025\TAK_STRUCTURE 2025-DEC-30.dwg

WIND:
1/10 = 0.34 kPa
1/50 = 0.44 kPa

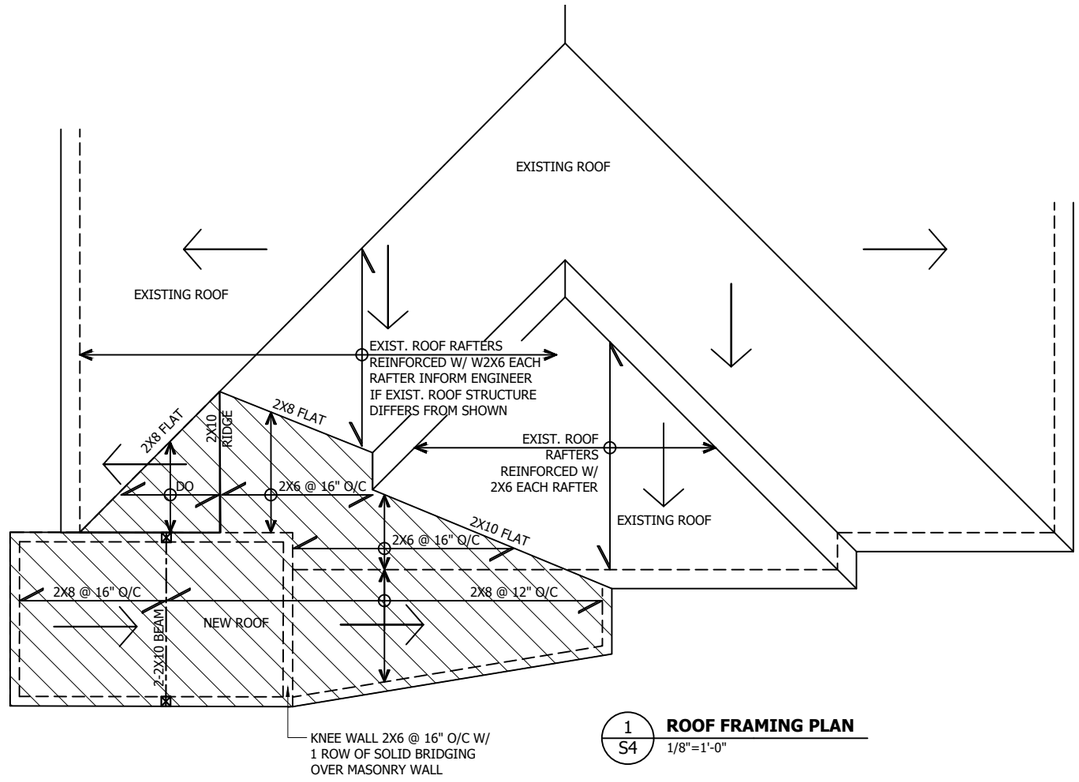
SEISMIC DATA:
Sa(0.2) = 0.266
Sa(0.5) = 0.131
Sa(1.0) = 0.062
Sa(2.0) = 0.029
Sa(5.0) = 0.0068
Sa(10.0) = 0.0027
PGA = 0.172
PGV = 0.102
V = 78.81 kN

NOTE:
CONTRACTOR TO CONTACT ENGINEER IF EXIST. ROOF STRUCTURE DIFFERS

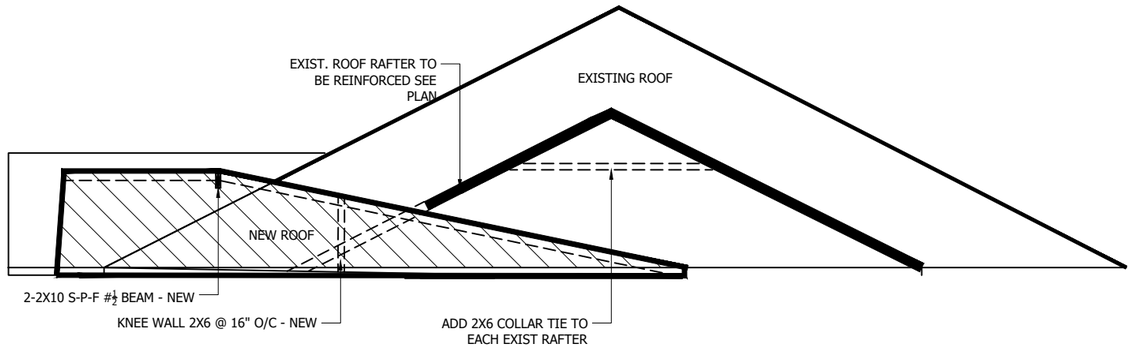
NOTE:
SNOW ACCUMULATION DIAGRAM NOT SHOWN FOR CLARITY



DESIGN LOAD:
DEAD LOAD = 0.75kPa
LIVE LOAD = SNOW = 1.10kPa
RAIN = 0.4 kPa



1/S4 **ROOF FRAMING PLAN**
1/8"=1'-0"



2/S4 **ROOF FRAMING ELEVATION**
1/8"=1'-0"

GENERAL NOTES

1. ALL DIMENSIONS MUST BE CHECKED AND CO-ORDINATED, REPORT ANY DISCREPANCIES TO THE ENGINEER AND ARCHITECT BEFORE PROCEEDING WITH THE WORK.
2. DO NOT SCALE DRAWING.
3. ALL DRAWINGS AND SPECIFICATIONS TO REMAIN THE PROPERTY OF THE ENGINEER.
4. ONLY LATEST APPROVED DRAWINGS TO BE USED FOR CONSTRUCTION.

LICENSED PROFESSIONAL ENGINEER
DEC 31 2025
TOMASZ ZENIUK
PROVINCE OF ONTARIO

TAK ENGINEERING LTD.
2392 DELKUS CRES. MISSISSAUGA, ON L5A 1K7
TEL: 905-275-2271

No.	By	Revisions	Date
5	BK	UPDATED FOR COMMENTS	DEC. 31. 2025
4	BK	UPDATED FOR COMMENTS	MAR. 31. 2025
3	BK	UPDATED FOR COMMENTS OF FIFTH REVIEW	DEC. 29. 2023
2	BK	UPDATED FOR COMMENTS	MAY. 09. 2022
1	BK	ISSUED FOR PERMIT	OCT. 14. 2021

Design: T.Z.
Drawn: B.K.
Checked: T.Z.
Approved: T.Z.
Date: DEC. 2025
Scale: AS NOTED

Client: St. Luke's Close of Burlington Inc.

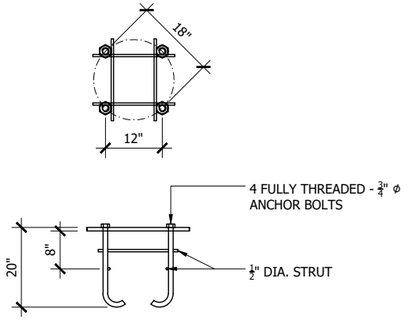
Address: 1421 Elgin St. Burlington, ON L7S 1R6

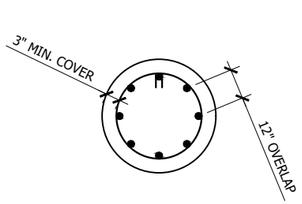
Drawing: ADDITION OF ELEVATOR TO EXIST. APPARTMENT BUILDING
ROOF FRAMING PLAN & ELEVATION

Project: 2020-12

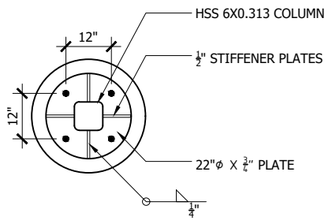
Sheet: S4 R5

Drawings: 4 of 5



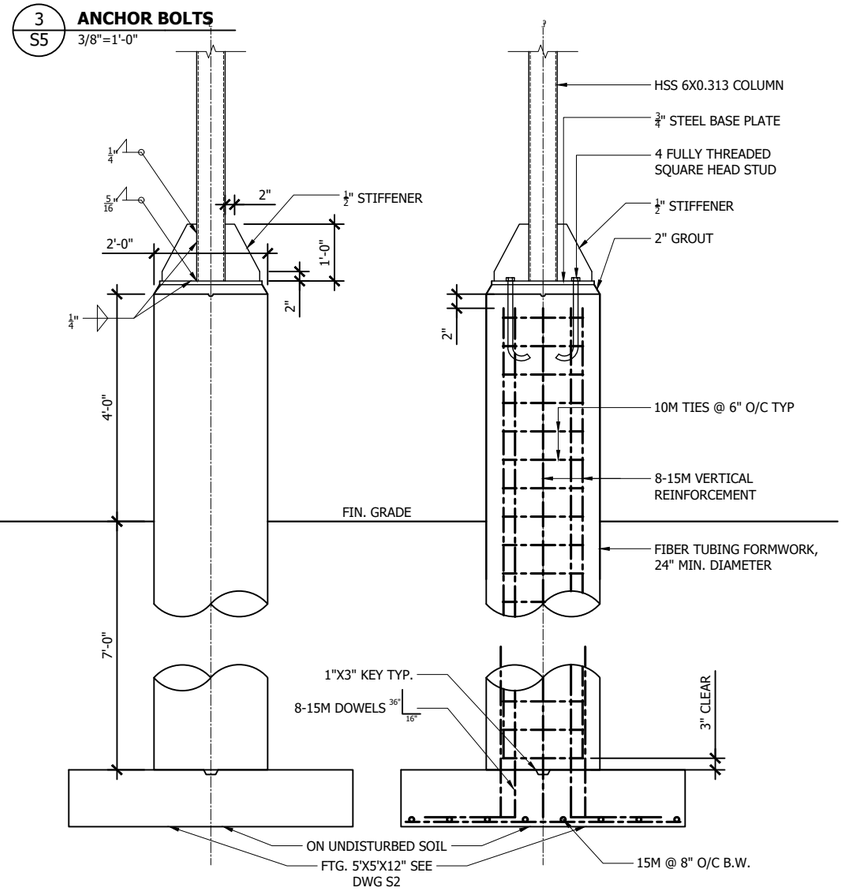


2 S5 **SECTION**
3/8"=1'-0"

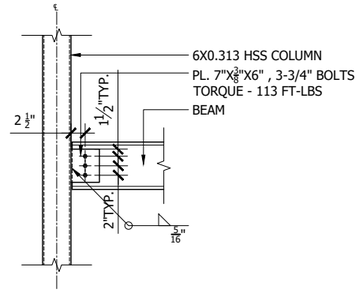


3 S5 **VIEW**
3/8"=1'-0"

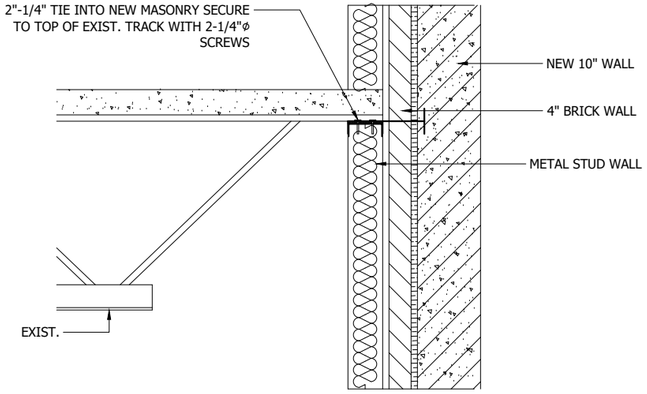
3 S5 **ANCHOR BOLTS**
3/8"=1'-0"



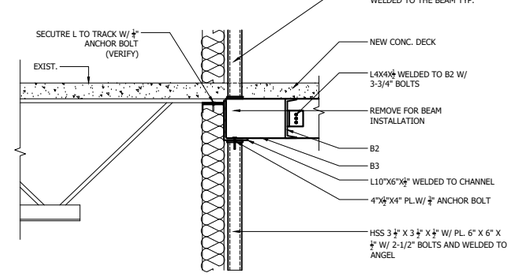
1 S5 **COLUMN DETAILS**
3/8"=1'-0"



5 S5 **DETAIL B**
3/8"=1'-0"



6 S5 **DETAIL/SECTION**
1/2"=1'-0"



7 S5 **DETAIL**
1/2"=1'-0"

GENERAL NOTES

1. ALL DIMENSIONS MUST BE CHECKED AND CO-ORDINATED, REPORT ANY DISCREPANCIES TO THE ENGINEER AND ARCHITECT BEFORE PROCEEDING WITH THE WORK.
2. DO NOT SCALE DRAWING.
3. ALL DRAWINGS AND SPECIFICATIONS TO REMAIN THE PROPERTY OF THE ENGINEER.
4. ONLY LATEST APPROVED DRAWINGS TO BE USED FOR CONSTRUCTION.

LICENSED PROFESSIONAL ENGINEER — DEC 31 2025 — TOMASZ ZENIUK — PROVINCE OF ONTARIO

TAK ENGINEERING LTD.
2392 DELKUS CRES. MISSISSAUGA, ON L5A 1K7
TEL: 905-275-2271

No.	By	Revisions	Date
5	BK	UPDATED FOR COMMENTS	DEC. 31. 2025
4	BK	UPDATED FOR COMMENTS	MAR. 31. 2025
3	BK	UPDATED FOR COMMENTS OF FIFTH REVIEW	DEC. 29. 2023
2	BK	UPDATED FOR COMMENTS	MAY. 09. 2022
1	BK	ISSUED FOR PERMIT	OCT. 14. 2021

Design: T.Z.
Drawn: B.K.
Checked: T.Z.
Approved: T.Z.
Date: DEC. 2025
Scale: AS NOTED

Client: St. Luke's Close of Burlington Inc.

Address: 1421 Elgin St. Burlington, ON L7S 1R6

Drawing: ADDITION OF ELEVATOR TO EXIST. APPARTMENT BUILDING DETAILS

Project: 2020-12

Sheet: S5 R5

Drawings: 5 of 5

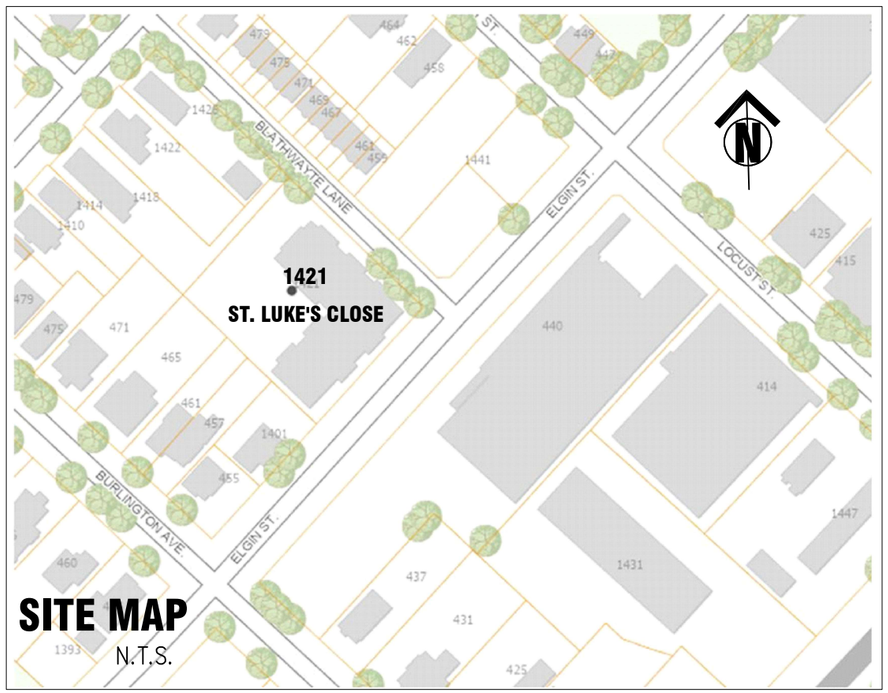
13/10/2021 8:14:19 PM E:\Trabajo\Tak Engineering\2020-11\2025\TAK_STRUCTURE 2025-DEC-30.dwg

ADDITION OF AN ELEVATOR TO AN EXISTING THREE-STOREY SENIOR CITIZEN APARTMENT BUILDING OF ST. LUKE'S
1421 ELGIN STREET, BURLINGTON, ONTARIO L7S 1R6

LIST OF DRAWINGS:

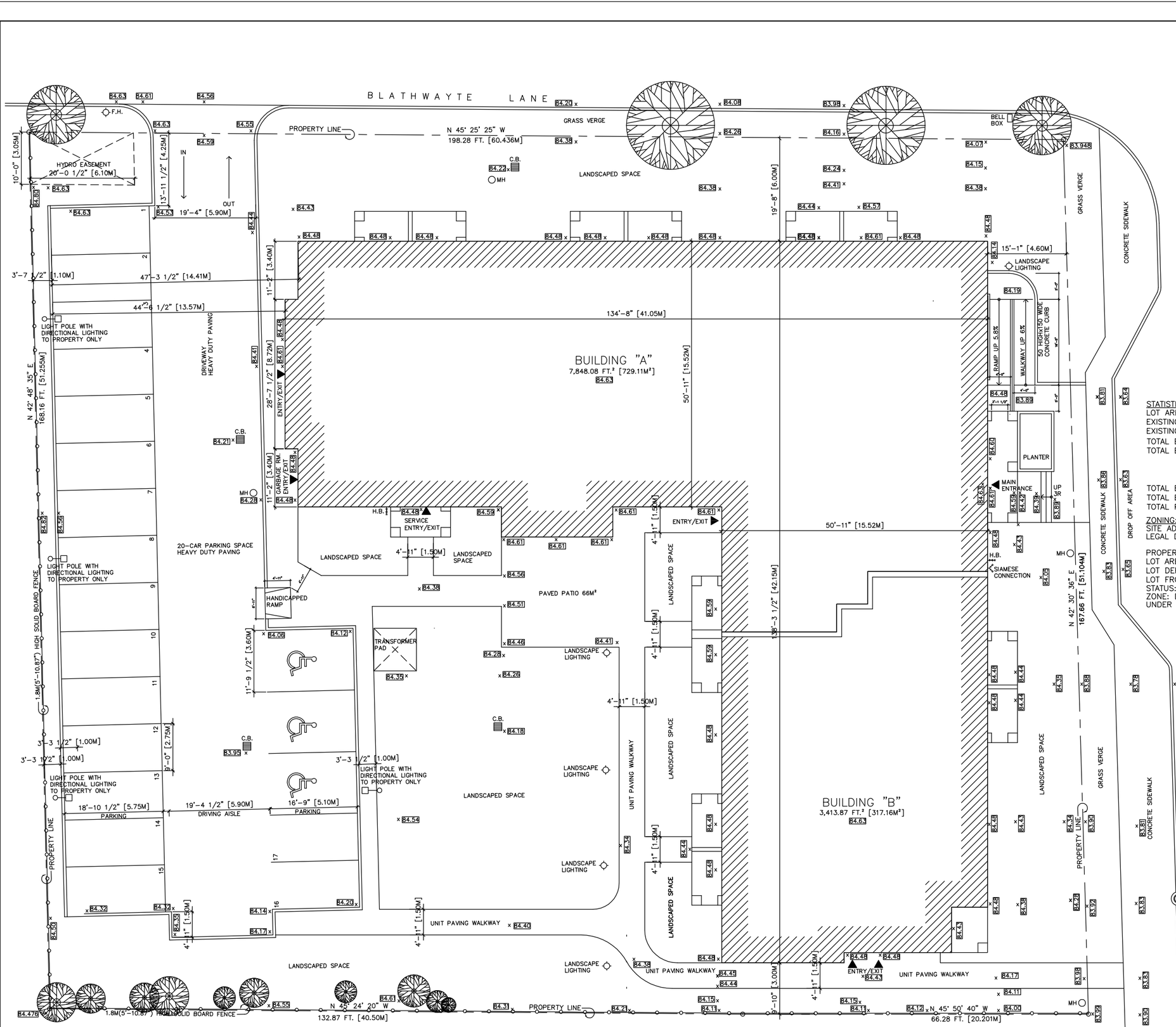
A0 COVER PAGE
A1 EXISTING SITE PLAN
A2 EXISTING BASEMENT FLOOR PLAN
A3 EXISTING GROUND FLOOR PLAN
A4 EXISTING TYPICAL 2ND & 3RD FLOOR PLAN
A5 EXISTING FRONT AND REAR ELEVATIONS
A6 PROPOSED SITE PLAN
A7 PROPOSED PART OF BASEMENT FLOOR PLAN
A8 PROPOSED PART OF GROUND FLOOR PLAN
A9 PROPOSED PART OF TYP. 2ND & 3RD FLOOR PLAN
A10 PROPOSED ELEVATIONS
A11 PROPOSED PARTIAL ELEVATIONS
A12 PROPOSED SHAFT SECTIONS
A13 PROPOSED HANDRAILS AND CONNECTION
A14 PROPOSED SUMP PUMP PIT
A15 TO A26 3300 SCHINLER SHOP DRAWINGS

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE 5200



SITE MAP
N.T.S.

ISSUED ON DECEMBER 23, 2025 FOR TENDER



EXISTING SITE DEVELOPMENT PLAN

SCALE: 1/16" = 1'-0"

SITE PLAN INFORMATION TAKEN FROM
PLAN OF SURVEY DONE BY ALLAN G. HALL O.L.S.,
ON FEBRUARY 10, 1986 PLAN 20 R-
ALL OF LOTS 31, 32 AND 33 REGISTERED PLAN 74
CITY OF BURLINGTON, MUNICIPALITY OF HALTON.

STATISTICS

LOT AREA:	33,461.12 SQ.FT.	(3,108.64 SQ.M.)
EXISTING BUILDING AREA:	12,404.33 SQ.FT.	(1,152.40 SQ.M.)
EXISTING GROSS FLOOR AREA:	33,333.57 SQ.FT.	(3,096.79 SQ.M.)

TOTAL EXTG. UNITS: 51 SUITES (6 TYPES)
TOTAL EXTG. AMENITIES: LOBBY, DINING/LOUNGE, KITCHEN & STORAGE = 2,214.46 FT² (205.73 M²)
BALCONIES = 2,333.62 FT² (216.80 M²)
COMMON ROOM PATIO = 710.42 FT² (66.00 M²)
TOTAL EXTG. PARKING & DRIVEWAY: 7,098.50 FT² (637.164 M²)
TOTAL EXTG. LANDSCAPED AREA: 14,112.30 FT² (1,311.076 M²)
TOTAL PARKING SPACE: 20 CARS (3 HANDICAPPED PARKING)

ZONING:
SITE ADDRESS: 1421 ELGIN STREET, BURLINGTON, ONTARIO L7S 1R6
LEGAL DESCRIPTION: LOTS 31, 32 & 34 REGISTERED PLAN 74
CITY OF BURLINGTON, REGIONAL MUNICIPALITY OF HALTON
PROPERTY CODE: 3-STOREYS APARTMENT BUILDING, RETIREMENT HOME
LOT AREA: 33,461.12 SQ.FT. (3,108.64 SQ.M.) (0.3101 HA.)
LOT DEPTH: 198.28 FT. (60.436 M.)
LOT FRONTAGE: 167.66 FT. (51.104 M.)
STATUS: REGISTERED
ZONE: DRL-14
UNDER AMENDMENT INTERIM CONTROL 10-2019

NO.	DATE	REVISIONS
1	11/14/08	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

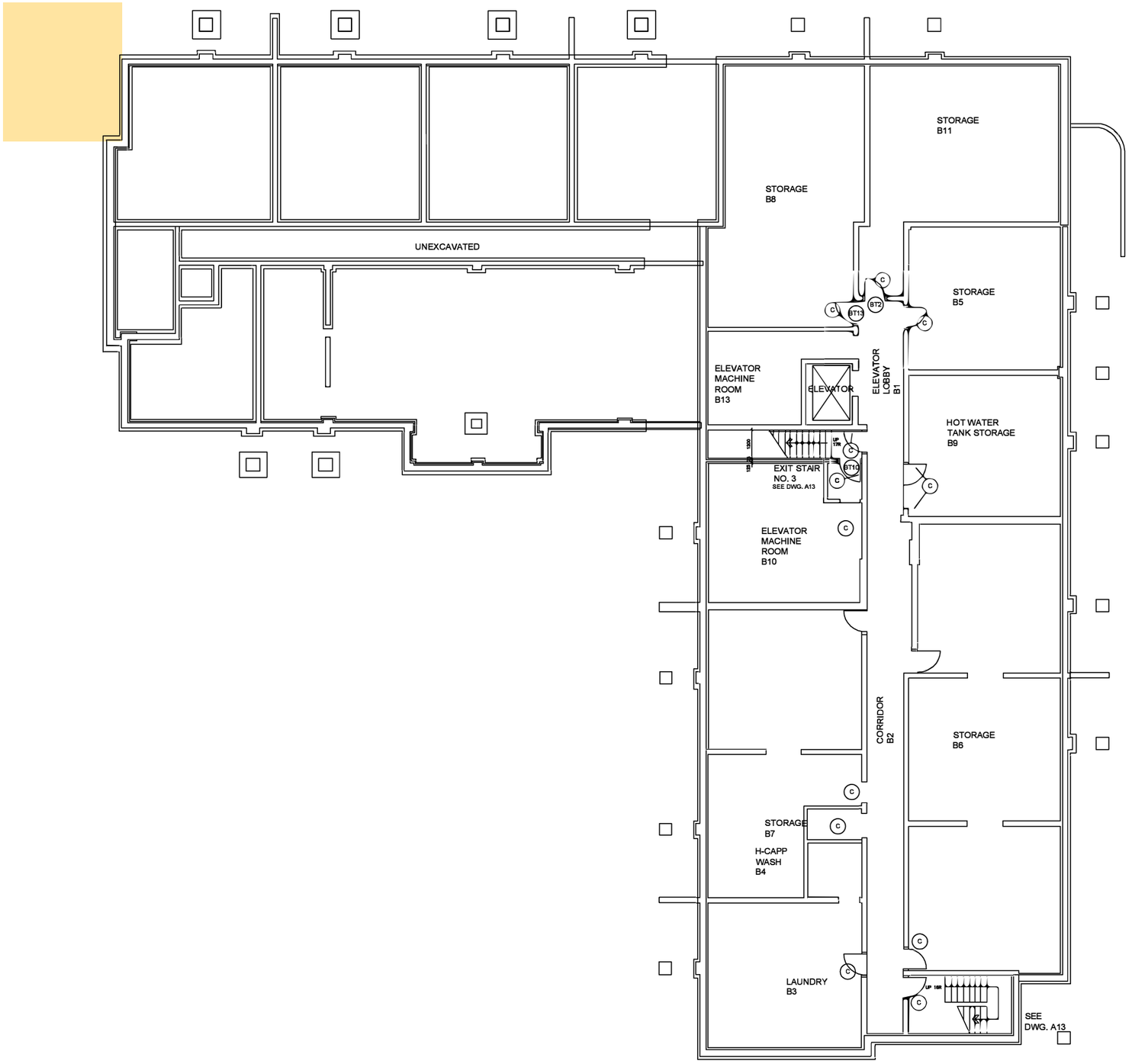
ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE 5200

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE		
A1 EXISTING SITE PLAN		
SCALE	DATE	DRAWN
AS NOTED	JAN 2021	JA
PROJ. NO.		
2020 -17- BURLINGTON		



BASEMENT FLOOR PLAN

NO	DATE	REVISIONS
1	11/14/06	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE
5200

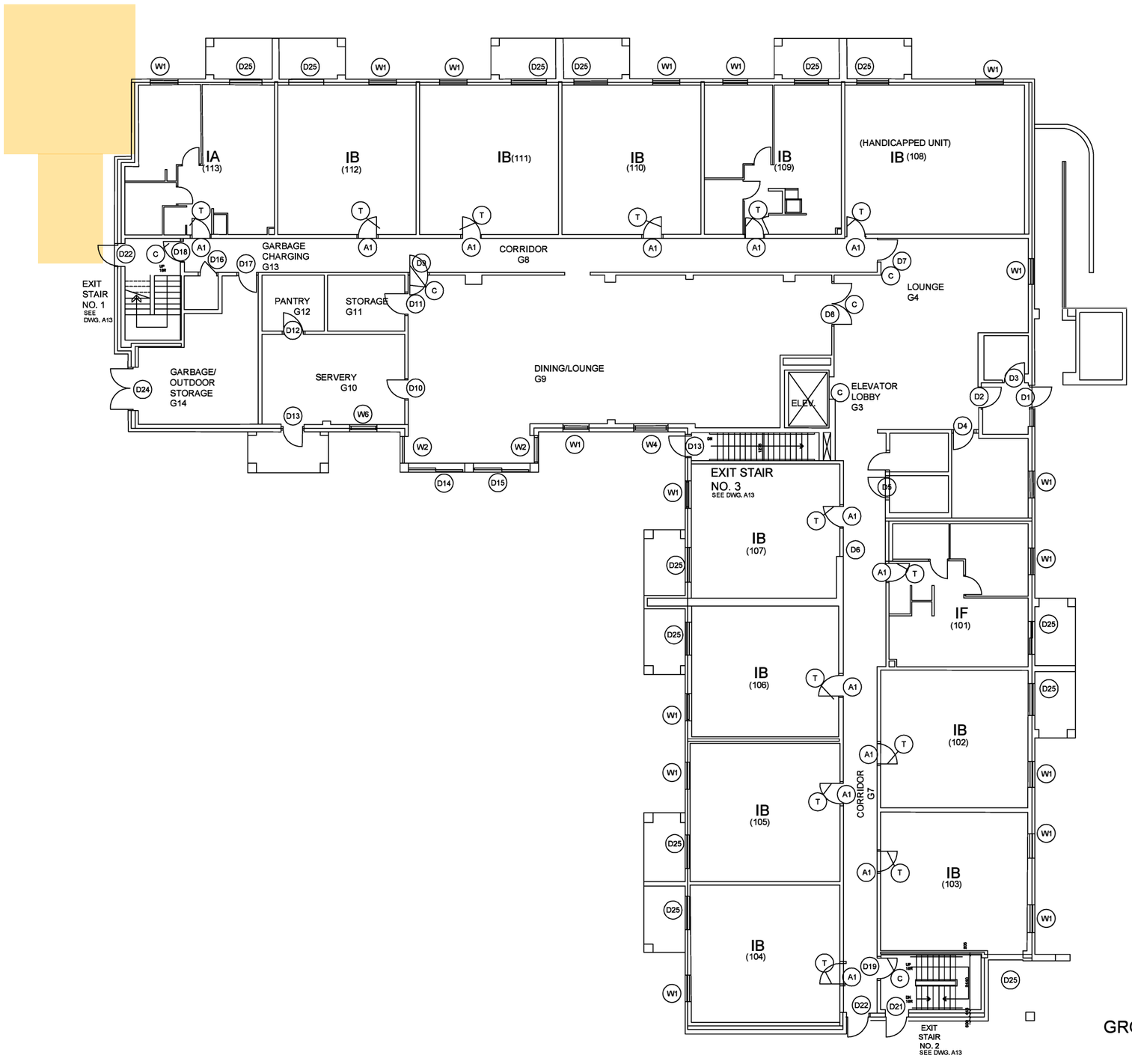
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A2 EXISTING BASEMENT

SCALE	DATE	DRAWN
AS NOTED	JAN 2021	JA

PROJ. NO.
2020 –17– BURLINGTON



GROUND FLOOR PLAN

A3

NO.	DATE	REVISIONS
1	11/14/08	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE 5200

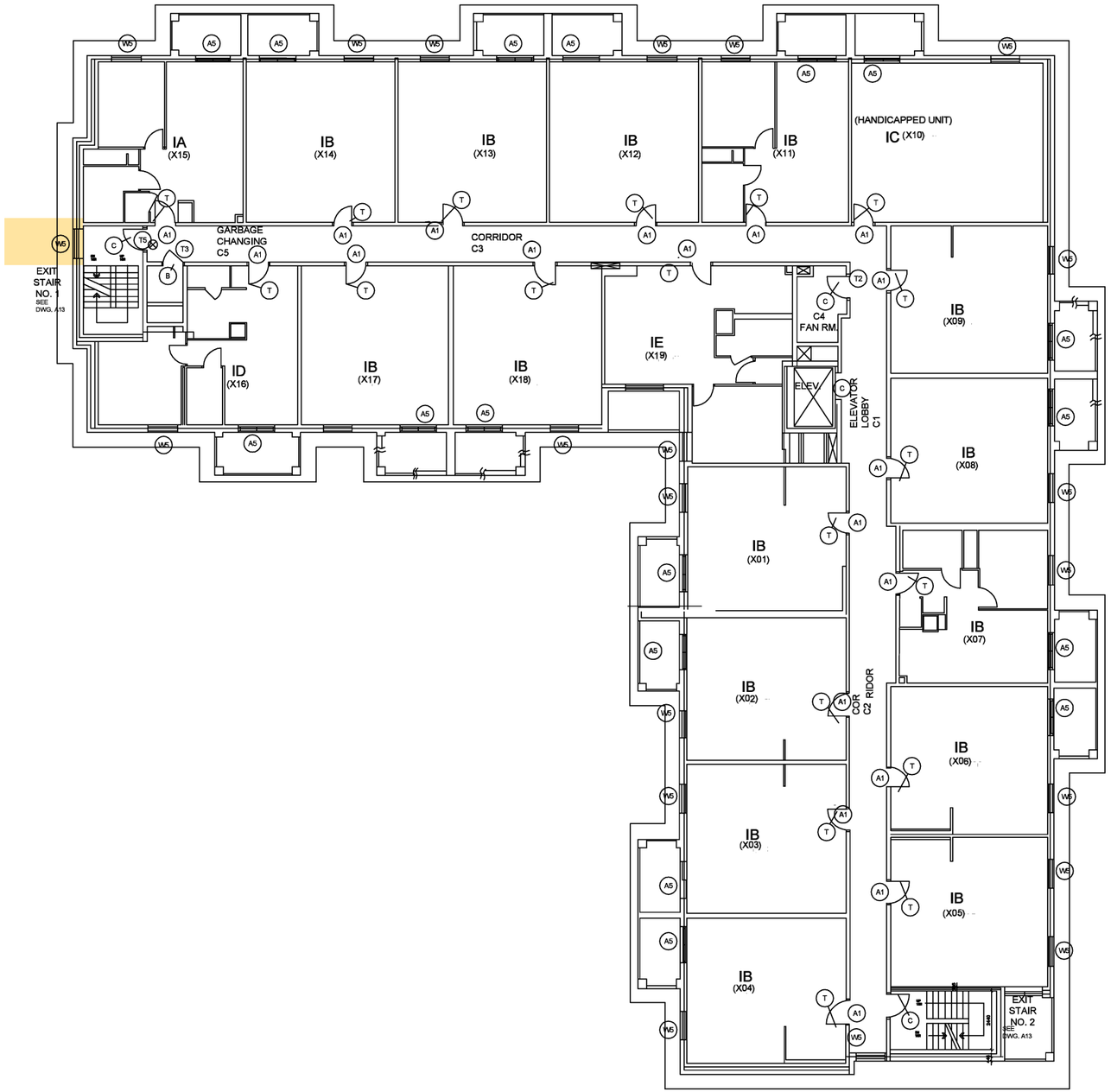
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A3 EXISTING GROUND FLOOR PLAN

SCALE	DATE	DRAWN
AS NOTED	JAN 2021	JA

PROJ. NO.
2020 –17– BURLINGTON



2ND & 3RD FLOOR PLAN

A4

NO.	DATE	REVISIONS
1	11/14/08	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE
5200

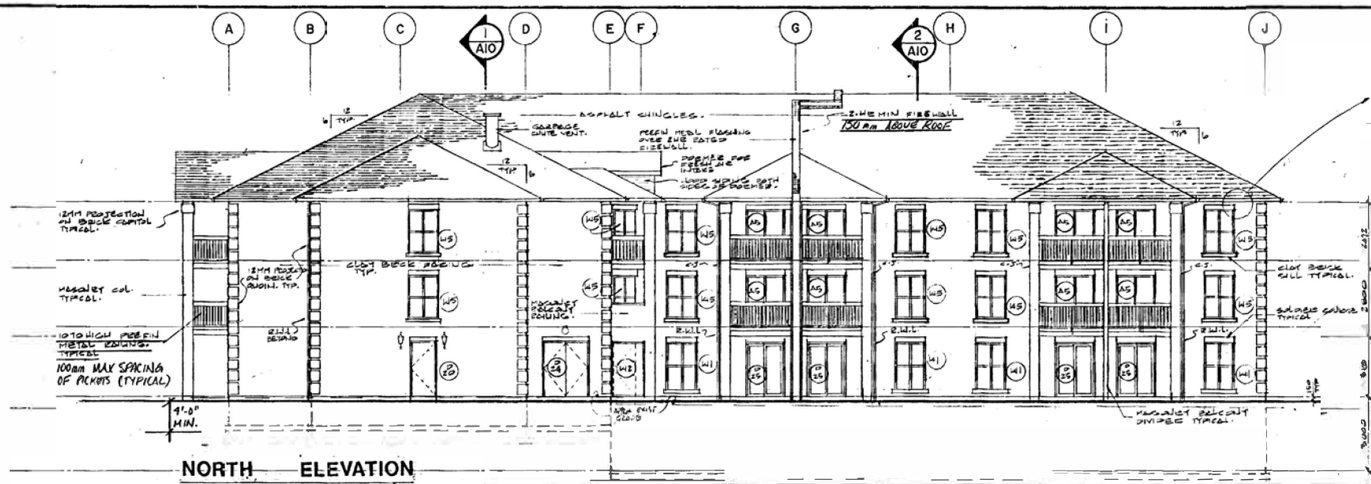
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 591-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

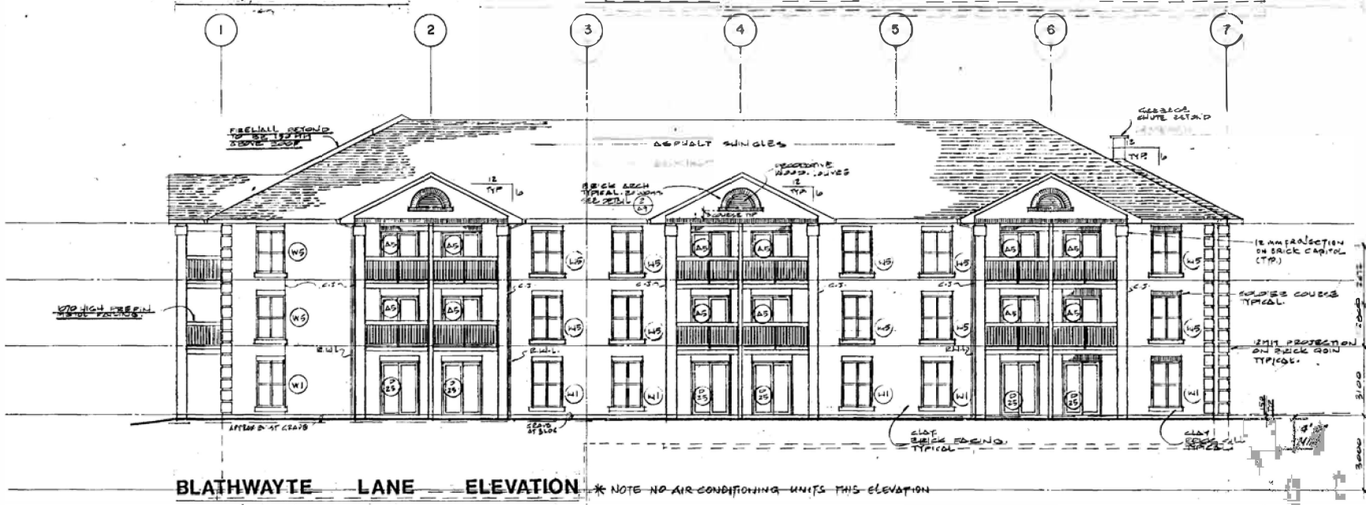
DWG. TITLE
A3 EXISTING 2 AND 3 FLOR PLAN

SCALE	DATE	DRAWN
AS NOTED	JAN 2021	JA

PROJ. NO. 2020 –17– BURLINGTON

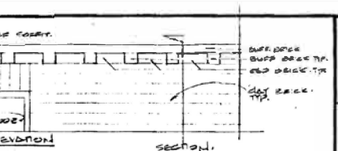


NORTH ELEVATION



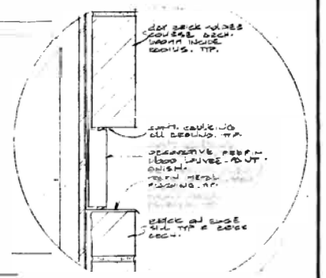
BLATHWAYTE LANE ELEVATION * NOTE NO AIR CONDITIONING UNITS THIS ELEVATION

ELGIN STREET ELEVATION



SECTION.

ELEVATION & SECTION OF DECORATIVE FRIEZE. (ALL GROUND BUILDINGS).



2/A9 BRICK ARCH. DETAIL

SCALE 1:5=0

ALL CONSTRUCTION TO MEET ONTARIO BUILDING CODE REQUIREMENTS.

NOTE: ALL BUILDINGS AND SITE WORK TO CONFORM TO SITE PLANS APPROVED BY COUNCIL ON

· KEY TO DETAIL LOCATION

DETAIL NUMBER / DRAWING NUMBER

No.	DATE	REVISION	BY
	16/10/08	ISSUED FOR BUILDING PERMIT	RB
1	11/14/08	ISSUED FOR PERMIT APPLICATION	

DATE PRINTED

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND THE PROPERTY OF THE ARCHITECT WHICH MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL DRAWINGS TO BE USED FOR CONSTRUCTION ONLY WHEN SIGNED BY THE ARCHITECT.

DRAWINGS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR AND MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS — DANIEL KARPINSKI LICENCE 5200

Daniel Karpinski ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8908 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

ONTARIO ASSOCIATION OF ARCHITECTS — DANIEL KARPINSKI LICENCE 5200 2008

Fliess Gates McGowan Easton Architects

SENIOR CITIZENS APARTMENT BUILDING FOR ST. LUKE'S CLOS OF BURLINGTON INC.

CITY OF BURLINGTON
JUN 17 '09
BUR ONTARIO
BUILDING SERVICES

ELEVATIONS

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

1:100

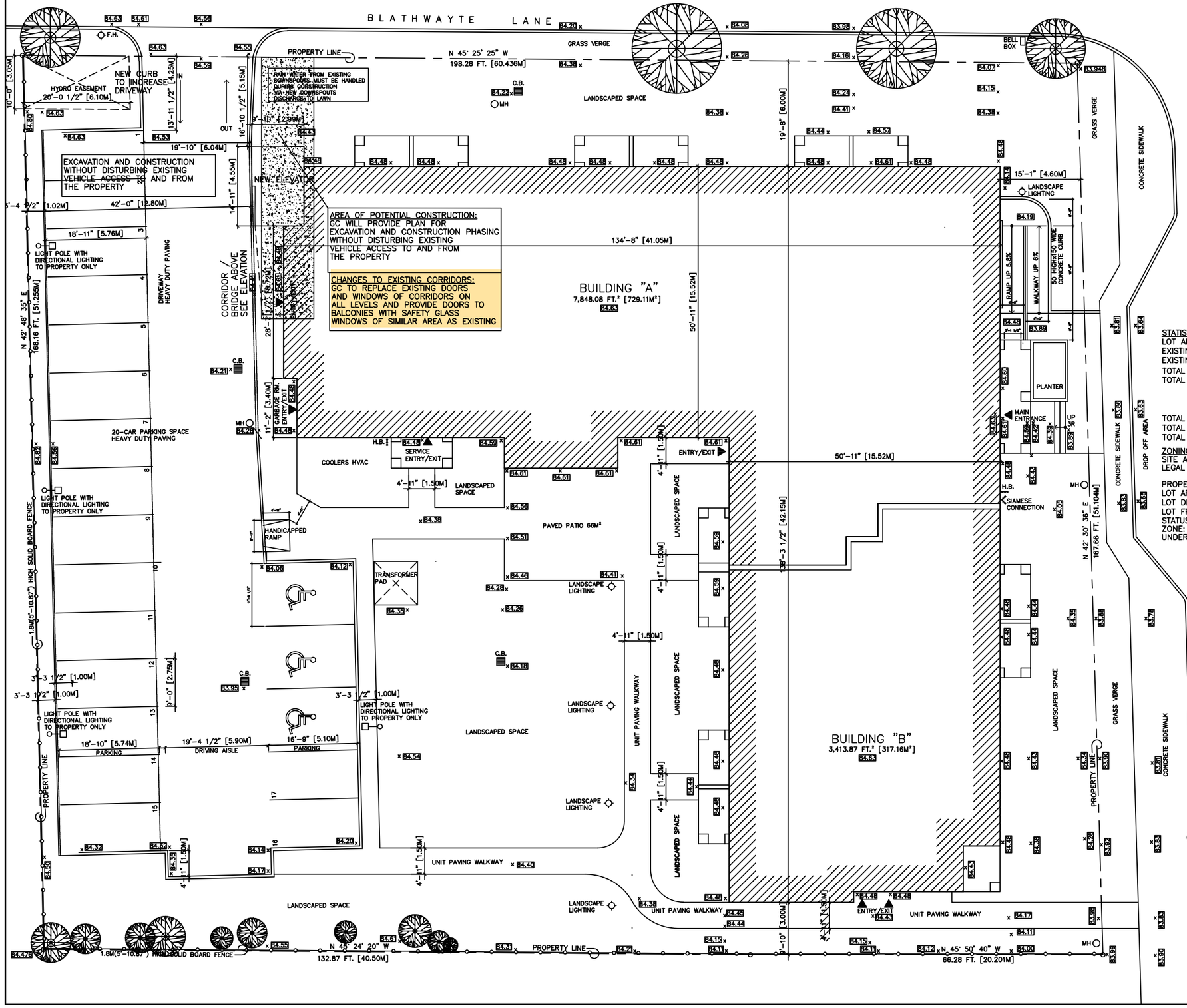
DRAWING No.

DWG. TITLE
A5 EXISTING ELEVATIONS

DATE	SCALE	DRAWN
AS NOTED	JAN. 2021	JA

DRAWN

2020 -17- BURLINGTON



STATISTICS

LOT AREA:	33,461.12 SQ.FT.	(3,108.64 SQ.M.)
EXISTING BUILDING AREA:	12,404.33 SQ.FT.	(1,152.40 SQ.M.)
EXISTING GROSS FLOOR AREA:	33,333.57 SQ.FT.	(3,096.79 SQ.M.)

TOTAL EXTG. UNITS: 51 SUITES (6 TYPES)
TOTAL EXTG. AMENITIES: LOBBY, DINING/LOUNGE,
KITCHEN & STORAGE = 2,214.46 FT² (205.73 M²)
BALCONIES = 2,333.62 FT² (216.80 M²)
COMMON ROOM PATIO = 710.42 FT² (66.00 M²)
TOTAL EXTG. PARKING & DRIVEWAY: 7,098.50 FT² (637.164 M²)
TOTAL EXTG. LANDSCAPED AREA: 14,112.30 FT² (1,311.076 M²)
TOTAL PARKING SPACE: 20 CARS (3 HANDICAPPED PARKING)

ZONING:
SITE ADDRESS: 1421 ELGIN STREET, BURLINGTON, ONTARIO L7S 1R6
LEGAL DESCRIPTION: LOTS 31, 32 & 34 REGISTERED PLAN 74
CITY OF BURLINGTON, REGIONAL MUNICIPALITY OF HALTON
PROPERTY CODE: 3-STOREYS APARTMENT BUILDING, RETIREMENT HOME
LOT AREA: 33,461.12 SQ.FT. (3,108.64 SQ.M.) (0.3101 HA.)
LOT DEPTH: 198.28 FT. (60.436 M.)
LOT FRONTAGE: 167.66 FT. (51.104 M.)
STATUS: REGISTERED
ZONE: DRL-14
UNDER AMENDMENT INTERIM CONTROL 10-2019

PROPOSED SITE DEVELOPMENT PLAN

SCALE: 1/16" = 1'-0"
SITE PLAN INFORMATION TAKEN FROM PLAN OF SURVEY DONE BY ALLAN G. HALL O.L.S., ON FEBRUARY 10, 1986 PLAN 20 R- ALL OF LOTS 31, 32 AND 33 REGISTERED PLAN 74 CITY OF BURLINGTON, MUNICIPALITY OF HALTON.

NO	DATE	REVISIONS
1	11/14/25	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE 5200

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE	A9 PROPOSED SITE PLAN	
SCALE	DATE	DRAWN
AS NOTED	DEC 2025	JA
PROJ. NO.	2020 -17- BURLINGTON	

9'–10"

8'–6"

EXISTING AND PROPOSED RAINWATER LEADERS SEE GROUND FLOOR PLAN
DIRECT WATER FLOW OUTSIDE OF THE BUILDING AS EXISTING

LOCATION OF SUMP PUMP
SEE SCHINDLER SHOP DWGS

13'–2 1/2"

5'–9 1/2"

14'–11"

6'–7"

UNDERPINNING IN THIS AREA

FOR THE UNDERPINNING AND CONNECTION TO THE EXISTING BUILDING SEE STRUCTURAL

ELEVATOR FOUNDATION SEE STRUCTURAL

UNEXCAVA

5'–0"

5'–0"

COLUMN FOUNDATION SEE STRUCTURAL

NO.	DATE	REVISIONS
1	11/14/25	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE 5200

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985–8906 FAX: (416) 691–7993
e–mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A7 PROPOSED BASEMENT FL PLAN

SCALE	DATE	DRAWN
AS NOTED	DEC 2025	JA

PROJ. NO.
2020 –17– BURLINGTON

9'–10"
8'–6"
ALL NEW WALLS
MIN B1b
PROPOSED AND EXISTING
RAINWATER LEADER
DIRECT WATER FLOW OUTSIDE
OF THE BUILDING
AS EXISTING
W1
D25
D25
W1
W1
3300 SCHINDLER
6'–9 1/2"
8"
8"
4'–5"
5'–9"
5'–7 1/2"
ALL NEW WALLS OF ELEVATOR SHAFT
10" EXCEPT AS NOTED
14'–11"
7'–5 1/2"
5'–9"
3'–6"
3'–0 1/2"
4'–2"
7 1/2"
NEW ELEVATOR
HALL
5'–0"
7'–5 1/2"
6'–6 1/2"
7'–6"
2'–5 1/2"
1'–11 1/2"
4'–9"
2'–6"
PUSH BUTTONS
IA
(113)
IB
(112)
PROVIDE LIGHT ABOVE EXIT DOOR
FOR STAIR NO 1
TO THE VESTIBULE
AND PROVIDE LIGHT TO THE VESTIBULE
ALL NEW EXIST DOORS WITH SAFETY GLASS
AND MECHANICALLY OPERATED
16'–
ACCESSIBLE
PATH
MIN 4'
T
T
T
PUSH BUTTONS
EXIT
STAIR
NO. 1
PEDESTRIAN
STOP
3'–6"
NEW 38" DOORS
A1
A1
A1
EXISTING DIRECTIONAL EXIT SIGN
D16
D17
D9
COLUMN HSS 6
COLUMN AND SONOTUBE
AS PER STRUCTURAL
BALCONY
ABOVE
UP
16R
PUSH BUTTON
PUSH BUTTON
4'–11"
C
PANTRY
G12
STORAGE
G11
D11
D12

NO.	DATE	REVISIONS
1	11/14/06	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE
5200

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985–8906 FAX: (416) 691–7993
e–mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A8 PROPOSED GROUND FLOOR PLAN

SCALE	DATE	DRAWN
AS NOTED	DEC 2025	JA

PROJ. NO.
2020 –17– BURLINGTON

9'–10"
8'–6"
ALL NEW WALLS
MIN B1b
PROPOSED AND EXISTING
RAINWATER LEADER
DIRECT WATER FLOW OUTSIDE
OF THE BUILDING
AS EXISTING
W1
A5
A5
W5
W5
3300 SCHINDLER
6'–9 1/2"
4'–5"
8"
5"
5'–9"
7'–5 1/2"
5'–9"
7'–7 1/2"
ALL NEW WALLS OF ELEVATOR SHAFT
10" EXCEPT AS NOTED
14'–11"
3'–6"
4'–2"
3'–0 1/2
7 1/2"
NEW ELEVATOR
HALL
5'–0"
6'–6 1/2"
7'–6"
7'–5 1/2"
2'–5 1/2"
1'–11 1/2"
4'–9"
2'–6"
6'–8"
IA
(X15)
IB
(X14)
PROVIDE LIGHT ABOVE EXIT DOOR
FOR STAIR NO 1
TO THE VESTIBULE
AND PROVIDE LIGHT TO THE VESTIBULE

ALL NEW EXIST DOORS WITH SAFETY GLASS
AND MECHANICALLY OPERATED
ACCESSIBLE
PATH
MIN 4'
T
PUSH BUTTONS
NEW 38" DOORS
MECHANICALLY OPERATED
SAFETY GLASS WINDOW
NEW 38" DOORS
MECHANICALLY OPERATED
EXISTING DIRECTIONAL EXIT SIGN
T3
DN
16R
UP
16R
EXIT
STAIR
NO. 1
B
GARBAGE
ROOM
EXISTING
A1
A1
A1
A1
T
T
T
ID
IB

NO.	DATE	REVISIONS
1	11/14/08	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE
5200

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985–8906 FAX: (416) 691–7993
e–mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

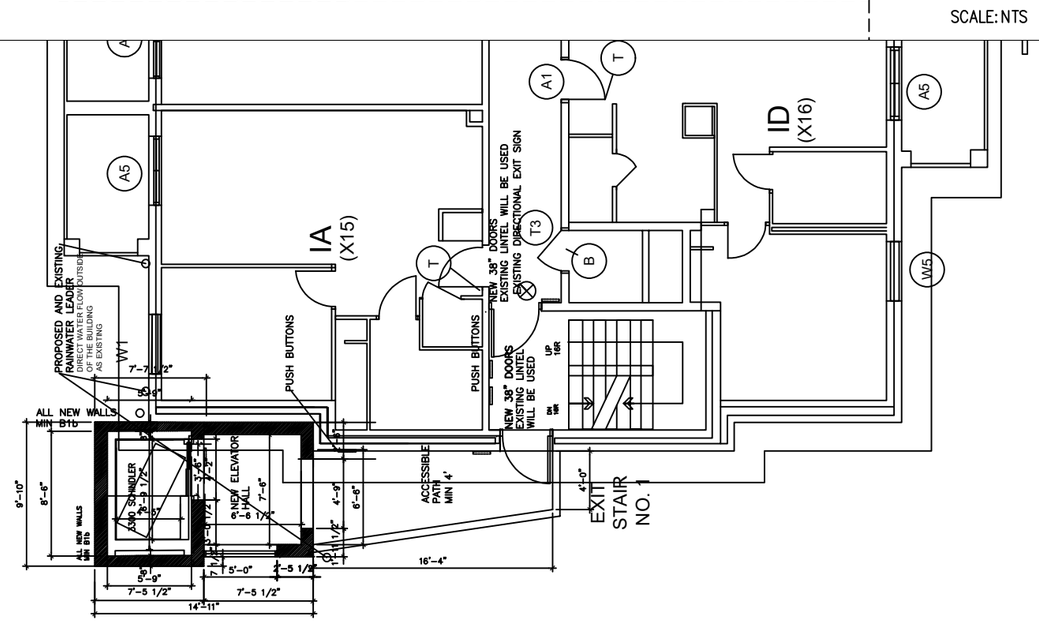
DWG. TITLE
A9 PROPOSED 2 AND 3 FLOOR PLAN

SCALE	DATE	DRAWN
AS NOTED	DEC 2025	JA

PROJ. NO.
2020 –17– BURLINGTON

PROPOSED NORTH ELEVATION

SCALE: NTS



1	11/14/08	ISSUED FOR PERMIT APPLICATION
NO.	DATE	REVISIONS

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE 5200

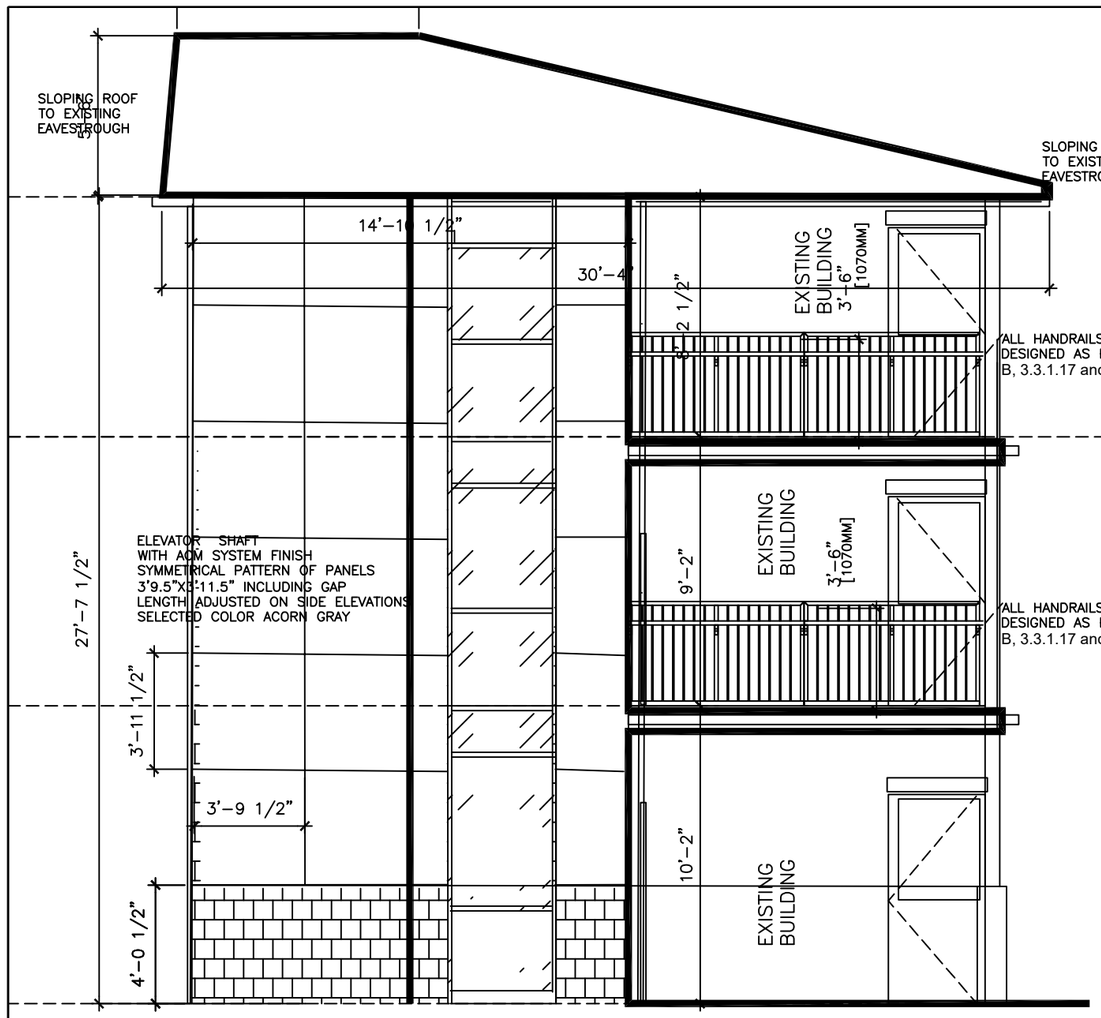
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

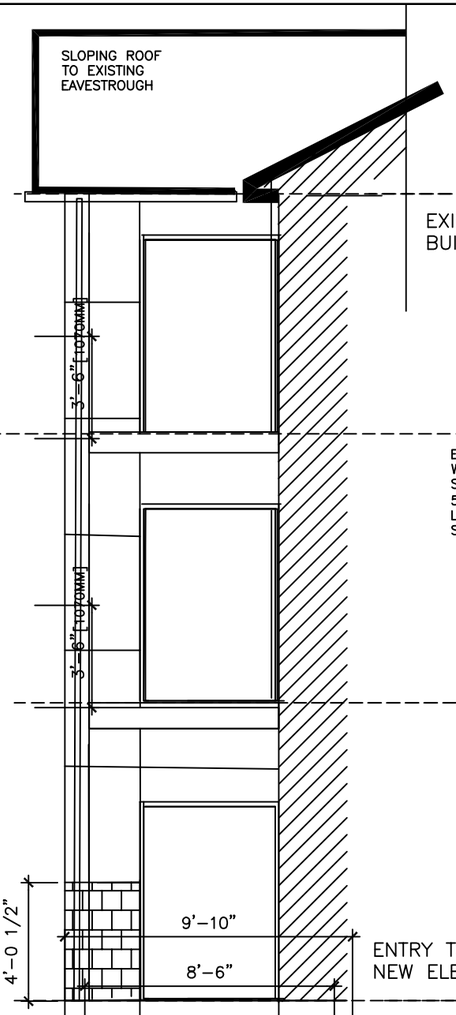
DWG. TITLE
A10 PROPOSED ELEVATION

SCALE	DATE	DRAWN
AS NOTED	DEC 2025	JA

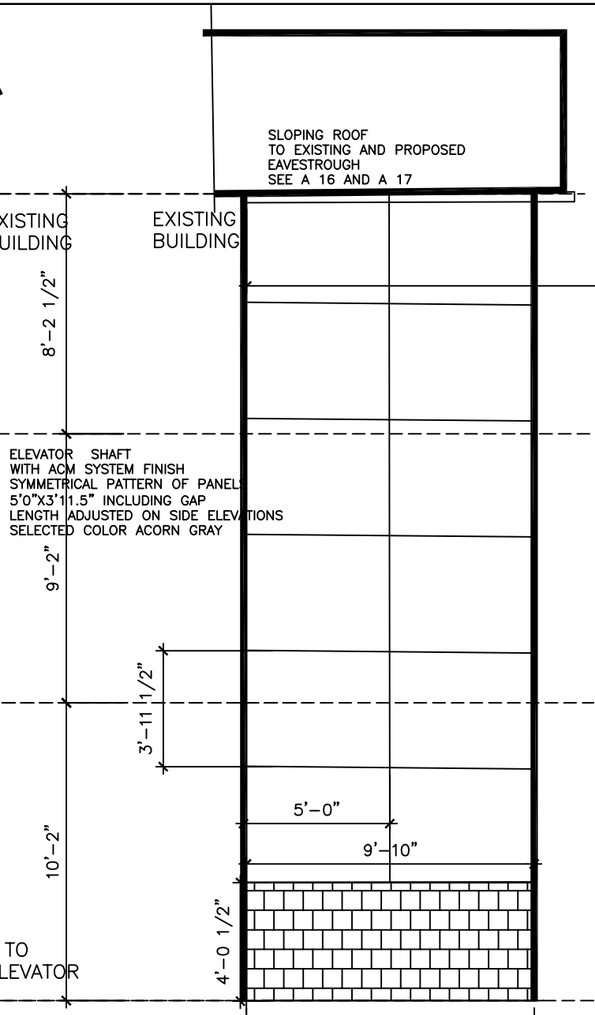
PROJ. NO.
2020 –17– BURLINGTON



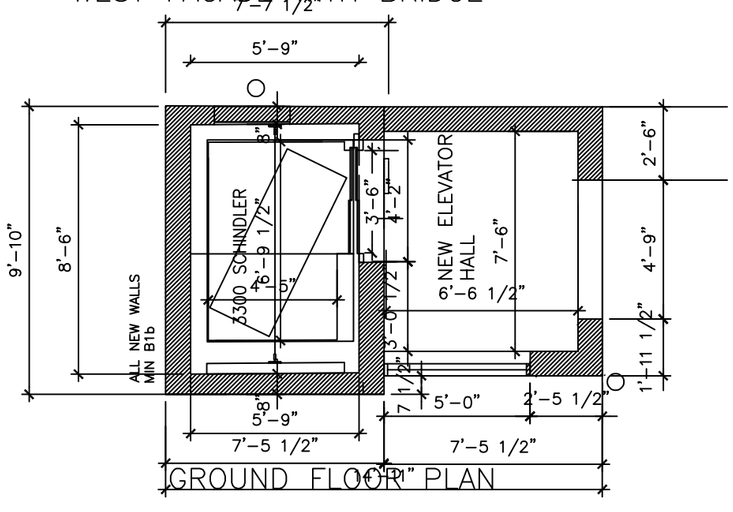
WEST FACADE WITH BRIDGE



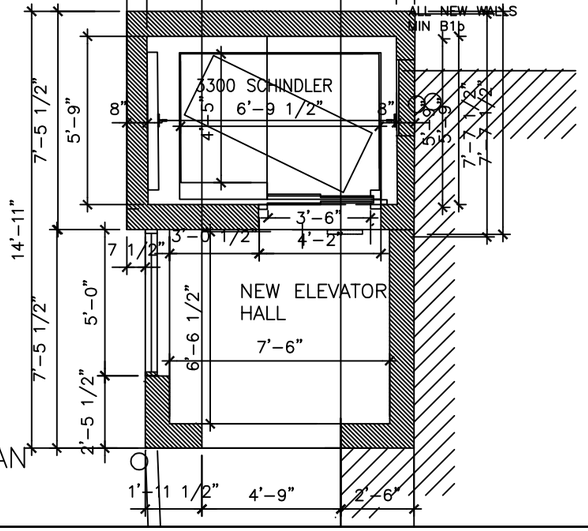
SOUTH FACADE WITH BRIDGE



NORTH FACADE



GROUND FLOOR PLAN



UPPER FLOOR PLAN

NO	DATE	REVISIONS
1	01/14/26	ISSUED FOR PERMIT APPLICATION

SIGNED

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE
5200

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A11 PROPOSED PARTIAL ELEVATIONS

SCALE	DATE	DRAWN
AS NOTED	DEC 2025	JA

PROJ. NO.
2020 -17- BURLINGTON

SLOPING ROOF TO EXISTING EAVESTROUGH
CONTRACTOR TO PREPARE SHOP DRAWING
FOR NEW ROOF STRUCTURE

PROPOSED ROOF EXISTING ROOF

TOP: FINISH TO MATCH EXISTING ROOF
1/2" SHEATHING ON
2X12 @16" o.c.
BASEBOARD ON PAPER

SLOPE: FINISH TO MATCH EXISTING ROOF
1/2" SHEATHING ON
2X6 @16" o.c.

EXISTING ROOF TO BE REMOVED

6" CONCRETE SLAB
WITH WWM 1/4" x 1/4" x 6" x 6" (TYP)
AND DOWELS TO EXISTING STRUCTURE

8'-2 1/2"

33'-0 1/2"

MIN WALL B1b

MIN WALL B1b
10" CONCRETE BLOCK WALL
WITH
DOWELS TO EXISTING STRUCTURE
MIN WALL B1b

9'-2"

EXISTING
BUILDING

10'-2"

MIN WALL B1b
10" CONCRETE WALL FOR SHAFT

ENTRY LEVEL TO
NEW ELEVATOR

REMOVE PART OF EXISTING FOUNDATION
SEE STRUCTURAL
4' DEEP EXISTING FOUNDATION
SEE STRUCTURAL
UNDERPIN EXISTING FOUNDATION
SEE STRUCTURAL

5'-11 1/2"

5'-0"

6' DEEP PROPOSED FOUNDATION
SEE STRUCTURAL

LINEAR FOOTING 2.6' X 10"
SEE STRUCTURAL

SLOPE THIS ROOF MIN 5%

6" CONCRETE SLAB
WITH WWM 1/4" x 1/4" x 6" x 6" (TYP)
AND DOWELS TO EXISTING STRUCTURE

10" CONCRETE BLOCK WALL
WITH
DOWELS TO EXISTING STRUCTURE

33'-0 1/2"

MIN WALL B1b

MIN WALL B1bCOPY

5'-11 1/2"

5'-0"

7'-7 1/2"

5'-9"

SLOPING ROOF
TO EXISTING
EAVESTROUGH

FINISH TO MATCH EXISTING ROOF
1/2" SHEATHING ON
2X12 @16" o.c.
BASEBOARD ON PAPER

FINISH TO MATCH EXISTING ROOF
1/2" SHEATHING ON
2X6 @16" o.c.
BASEBOARD ON PAPER

L1

12'-7"

8'-2 1/2"

EXISTING
BUILDING

LOCATION OF LIGHT FIXTURES
OVER ENTRY TO HALL AND COR
TYP ON EACH FLOOR

ALL HANDRAILS
DESIGNED AS PER
B, 3.3.1.17 and 4.1

BRIDGE

3'-6"[1070MM]

ALL NEW FLOORS
MIN F1a

L1
MIN WALL B1b

9'-2"

EXISTING
BUILDING

ALL HANDRAILS
DESIGNED AS PER
B, 3.3.1.17 and 4.1.

BRIDGE

3'-6"[1070MM]

ALL NEW FLOORS
MIN F1a

10'-2"

EXISTING
BUILDING

ALL NEW FLOORS
MIN F1a

FOR COLUMN PL

4'-0"

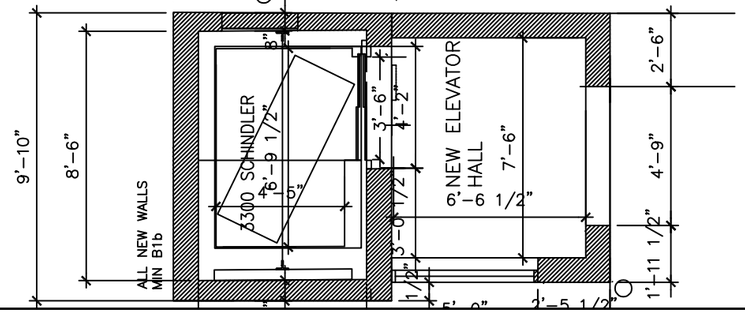
FOR FOUNDATION
PLEASE SEE STR

4'-0"

8'-0 1/2"

FOR SHAFT FOUNDATION
AND UNDERPINNING EXISTING SEE STRUCTURAL

ALL NEW WALLS OF ELEVATOR SHAFT
MIN B1b (AS PER OBC SB-3 TABLE 1
HOLLOW CONCRETE BLOCK NORMAL)
CHARACTERISTIC:
FR 1.5 HR
STC 50
EXISTING WALLS OF BUILDING
SIMILAR TO: B2a (AS PER OBC SB-3 TABLE 1
HOLLOW CONCRETE BLOCK NORMAL)
FR 2 HR
STC 50
COMBINING :
3.5 HR
STC 100



NO.	DATE	REVISIONS
1	11/14/08	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE
5200

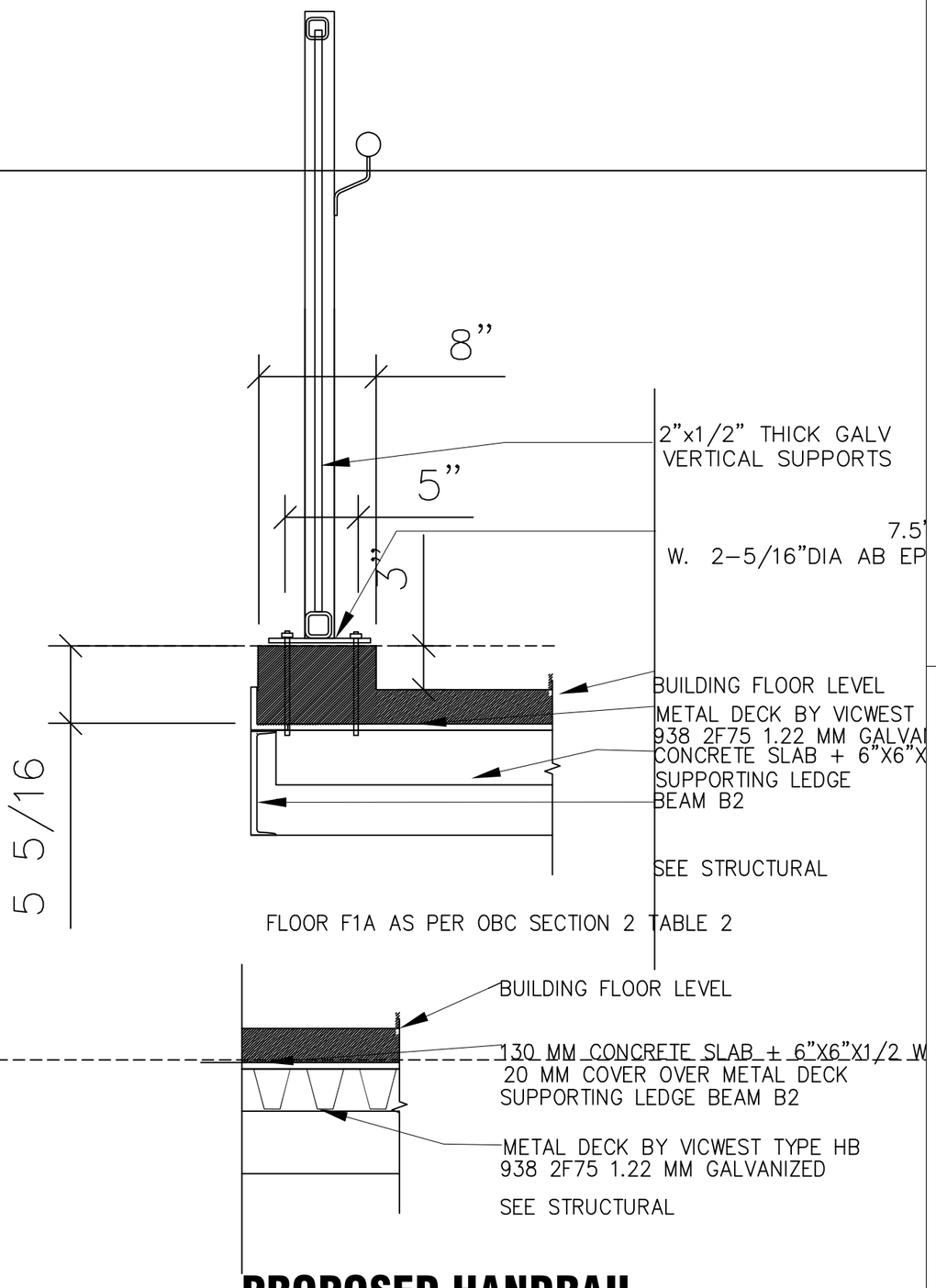
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A12 PROPOSED PARTIAL ELEVATION

SCALE	DATE	DRAWN
AS NOTED	DEC 2025	JA

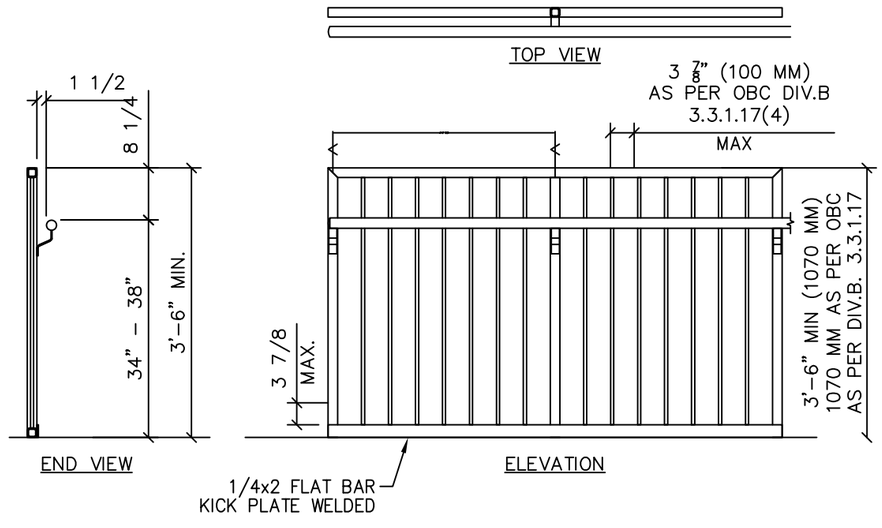
PROJ. NO.
2020 -17- BURLINGTON



PROPOSED HANDRAIL

SCALE: NTS

ALL HANDRAILS
DESIGNED AS PER OBC
B, 3.3.1.17 and 4.1.5.14.(LOADS)



NO	DATE	REVISIONS
1	01/14/26	ISSUED FOR PERMIT APPLICATION

SIGNED

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE 5200

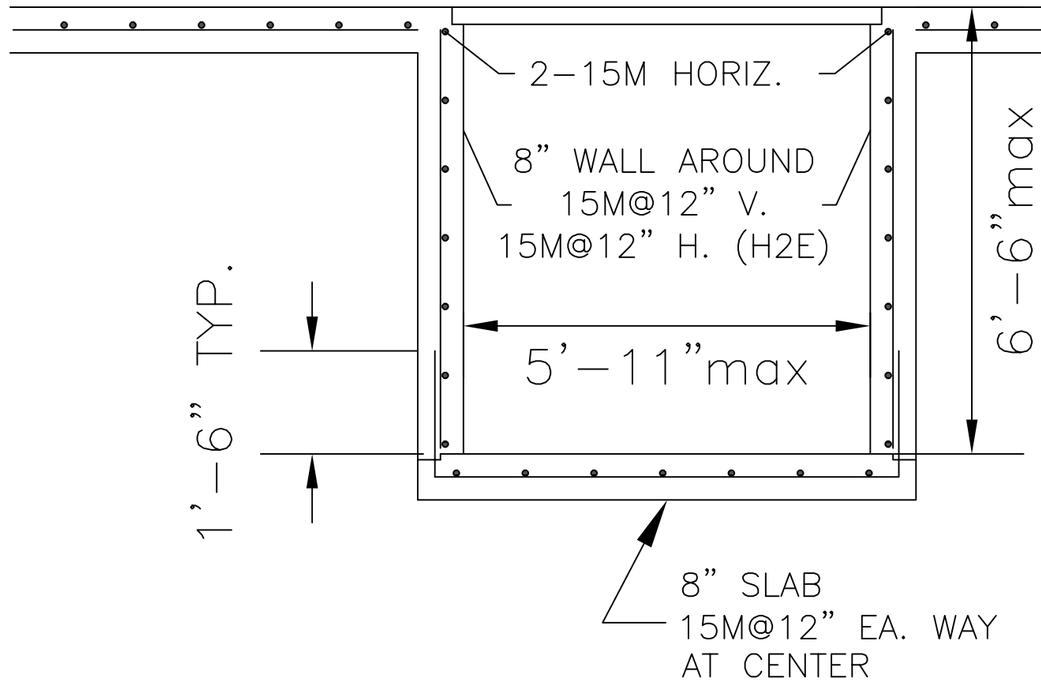
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985–8906 FAX: (416) 691–7993
e–mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A13 PROP. HANDRAILS + CONNECTION

SCALE	DATE	DRAWN
AS NOTED	DEC 2025	JA

PROJ. NO.
2020 –17– BURLINGTON



PROPOSED SUM PUMP PIT

SCALE: NTS

NO	DATE	REVISIONS
1	01/14/26	ISSUED FOR PERMIT APPLICATION

SIGNED

ONTARIO ASSOCIATION OF ARCHITECTS
DANIEL KARPINSKI
LICENCE 5200

Daniel Karpinski
ARCHITECT

167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985–8906 FAX: (416) 691–7993
e–mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A14 PROPOSED NEW ROOF

SCALE	DATE	DRAWN
AS NOTED	DEC 2025	JA

PROJ. NO.
2020 –17– BURLINGTON

WORK BY OTHERS

INSTALLATION WORK SHALL BE PERFORMED DURING REGULAR WORKING HOURS OF REGULAR WORKING DAYS AFTER HOISTWAY(S) AND MACHINE/CONTROL ROOM(S) HAVE BEEN PROPERLY PREPARED AS DESCRIBED IN THE FOLLOWING ITEMS. ALL ITEMS MUST BE PERFORMED OR FURNISHED AT NO COST TO SCHINDLER ELEVATOR CORPORATION ("SCHINDLER") BY THE OWNER OR GENERAL CONTRACTOR OR THEIR AGENTS IN ACCORDANCE WITH ALL GOVERNING CODES. THE PRICE AND INSTALLATION SCHEDULE OF SCHINDLER IS BASED ON THESE JOB-SITE CONDITIONS EXISTING AT THE BEGINNING AND DURING THE INSTALLATION OF THE ELEVATOR EQUIPMENT.

ALL WORK MUST BE PERFORMED PER THE LATEST APPLICABLE REVISION OF THE NATIONAL (ASME A17.1 OR CSA B44) AND/OR LOCAL CODES.

1. CLEAR, PLUMB, HOISTWAY WITH VARIATIONS NOT TO EXCEED +25MM (+1") -0MM (-0") WITHIN THE FIRST 30.5M (100FT). TOLERANCE MAY INCREASE +0.8MM (1/32") FOR EACH ADDITIONAL 3.05M (10FT) UP TO A MAXIMUM OF +50MM (2"). PIT FLOOR TO BE DRY, LEVEL, FREE OF BUMPS AND DEBRIS. HOISTWAY ENCLOSURE TO BE FIRE RATED PER NATIONAL CODE REQUIREMENTS AND APPLICABLE BUILDING CODES (RULE 2.1.1). HOISTWAY, PIT, AND OVERHEAD DIMENSIONS TO BE AS SPECIFIED ON SCHINDLER FINAL LAYOUT DRAWING.
2. ACCEPTABLE MATERIAL UNLOADING AREA WITHIN 30.5M (100FT) OF HOISTWAY WITH "ROLLABLE" ACCESS (PLANKED OR PAVED) OR UNINTERRUPTED USE OF A CRANE OR FORKLIFT AND OPERATOR AT NO COST TO SCHINDLER. DRY AND ENCLOSED STORAGE AREA OF ADEQUATE SIZE FOR ELEVATOR MATERIALS NEAR HOISTWAY. ANY WARRANTIES PROVIDED BY SCHINDLER FOR ELEVATOR EQUIPMENT ARE NULL AND VOID IF EQUIPMENT IS STORED IN A MANNER THAT DOES NOT COMPLY WITH THE REQUIREMENTS AS DEFINED ABOVE.
3. POWER FOR CONSTRUCTION ADJACENT TO HOISTWAYS AND MACHINE/CONTROL ROOMS (110/220 VOLT, SINGLE PHASE, FOR WELDERS AND HOISTS) AND SUFFICIENT 3-PHASE POWER TO RUN ELEVATOR(S) AT THE SAME TIME. REFER TO SCHINDLER POWER SUPPLY DATA SHEET. TO MEET THE DATE UPON WHICH THE ELEVATORS ARE TO BE TURNED OVER, THE POWER FOR CONSTRUCTION AND PERMANENT 3-PHASE POWER MUST BE INSTALLED AND AVAILABLE PRIOR TO THE START OF ELEVATOR INSTALLATION.
4. ALL WORK AREAS, INCLUDING HOISTWAY AND PIT, CLEAR OF DEBRIS. MAINTAIN MINIMUM TEMPERATURE OF 13°C (55°F). ADEQUATE WORK AREA IN FRONT OF GROUND FLOOR ENTRANCE REQUIRED. PROPER LIGHTING OF WORK AREAS.
5. 75° BEVEL GUARDS ON ALL PROJECTIONS, RECESSES OR SETBACKS OVER 100MM (4"), EXCEPT ON SIDE USED FOR LOADING/UNLOADING.
6. PROVIDE VENTING OF THE HOISTWAY PER NATIONAL CODE REQUIREMENTS AND APPLICABLE BUILDING CODES (RULE 2.1.4). WHEN IBC COMPLIANCE IS REQUIRED, AN INDEPENDENT AC OR VENTING SYSTEM FOR THE ELEVATOR SYSTEM IS REQUIRED.
7. DRIED-IN HOISTWAY(S) AND MACHINE/CONTROL ROOM(S).
8. CLEAR, FLAT, VERTICAL OR HORIZONTAL SURFACES FOR MOUNTING RAIL BRACKETS AT EACH FLOOR, IN OVERHEAD, AND INTERMEDIATE LEVELS (IF REQUIRED) IN THE SAME VERTICAL PLANE AS THE CLEAR HOISTWAY LINE. THIS INCLUDES DIVIDER BEAMS BETWEEN CARS FOR MULTIPLE ELEVATORS IN A COMMON HOISTWAY. RAIL BRACKET SUPPORTS SHALL NOT INTRUDE INTO THE CLEAR HOISTWAY LINE. RAIL BRACKET SUPPORTS AND DIVIDER BEAMS IN THE OVERHEAD TO BE LOCATED APPROXIMATELY 610MM (24") BELOW THE ROOF OR MACHINE ROOM SLAB. SUPPLY VERTICAL FLAT PLATES ON WHICH TO MOUNT CAR RAIL BRACKETS IF GUSSET PLATES OBSCURE BEAM WEBS, SUCH AS IN WIND BRACING FRAMES. IF APPLICABLE, INTERMEDIATE BRACKET SUPPORTS BETWEEN FLOOR(S) AND IN THE OVERHEAD AREA MAY BE REQUIRED. REFER TO SCHINDLER FINAL LAYOUT DRAWINGS FOR MAXIMUM BRACKET SPACING AND ACTUAL SUPPORT LOCATIONS.
9. FOR MASONRY BLOCK HOISTWAY CONSTRUCTION, SCHINDLER WILL PROVIDE RAIL BRACKET INSERTS FOR INSTALLATION BY OTHERS, LOCATED IN ACCORDANCE WITH THE SCHINDLER FINAL LAYOUT DRAWINGS. WHERE INSERTS ARE NOT USED, HOLLOW MASONRY BLOCKS ARE NOT ACCEPTABLE FOR BRACKET FASTENING. PROVIDE 125MM (5") CONCRETE BELT AROUND HOISTWAY OR OTHER ACCEPTABLE SUPPORT AT EACH FLOOR, IN OVERHEAD, AND INTERMEDIATE LEVELS (IF REQUIRED).
10. BLOCKOUT/CUTOUT THROUGH WALL AS REQUIRED, TO ACCOMMODATE HALL BUTTON BOXES, SIGNAL FIXTURES, AND HATCH DUCT. PROVIDE FOR ANY REPAIRS SUCH AS GROUTING, PATCHING, PAINTING, OR FIRE PROOFING.
11. FOR NON-MASONRY HOISTWAY CONSTRUCTION WITH FLOOR HEIGHTS EXCEEDING 4.5M (15FT), STRUCTURAL SUPPORT AT 2.4M (8FT) TO 4.5M (15FT) ABOVE FINISHED FLOOR LEVEL FOR ENTRANCE STRUT ANGLE ATTACHMENT.
12. FOR MASONRY HOISTWAY WALLS AT ENTRANCES, PROVIDE ROUGH OPENING OF 203MM (8") ON EACH SIDE AND 203MM (8") ON TOP OF CLEAR OPENING FOR INSTALLATION OF DOORFRAMES AND SILLS. FOR DRYWALL HOISTWAY WALLS AT ENTRANCES, WALLS ARE TO BE BUILT AFTER DOORFRAMES AND SILLS ARE SET IN PLACE.
13. GROUTING AROUND ENTRANCE FRAMES AND FINISHED FLOOR AND GROUT TO SILL LINE AFTER INSTALLATION OF ENTRANCE.
14. CONSTRUCTION BARRICADES (PER OSHA REQUIREMENTS) EITHER OUTSIDE OF ELEVATOR HOISTWAY(S) OR BETWEEN ELEVATORS INSIDE OF HOISTWAY(S) AS REQUIRED. BARRICADES TO BE FREESTANDING AND REMOVABLE, LOCATED AT EACH HOISTWAY OPENING AT EACH FLOOR. BARRICADES SHALL BE ERECTED, MAINTAINED, AND REMOVED BY OTHERS.

PROTECTION FROM FALLS

A. AS REQUIRED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 1926.502 B) (1-3) A FREESTANDING REMOVABLE BARRICADE AT EACH HOISTWAY OPENING AT EACH FLOOR. BARRICADES SHALL BE 42" HIGH, WITH MID-RAIL AND KICK BOARD, AND WITHSTAND 200 LBS. OF VERTICAL AND HORIZONTAL PRESSURE.
B. AS REQUIRED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) OSHA 1926.502(J) HOISTWAY PROTECTION FROM FALLING DEBRIS AND OTHER TRADES MATERIALS BY EITHER:
   1. 8 FOOT SCREENING/MESH IN FRONT OF ALL ELEVATOR ENTRANCES
   2. SECURED/CONTROLLED ACCESS TO ALL ELEVATOR LOBBIES (LOCK AND KEY) WITH POSTED NOTICE " ONLY ELEVATOR PERSONNEL BEYOND THIS PROTECTION"

15. DRY PIT REINFORCED TO SUSTAIN VERTICAL FORCES FROM RAILS AND IMPACT LOADS ON BUFFERS (RULE 2.2.2). CAR BUFFER IMPACT LOADS AS CALCULATED (RULE 8.2.3);
16. ADEQUATE SEALING AND WATERPROOFING OF PIT. EFFECTIVE PREVENTION OF PIT EXPOSURE TO STORM WATER OR GROUND WATER.
17. WHERE THERE IS A DIFFERENCE IN LEVEL BETWEEN THE FLOORS OF ADJACENT PITS, A METAL GUARD SHALL BE INSTALLED NOT LESS THAN 2030 MM (79") ABOVE THE LEVEL OF THE HIGHER PIT FLOOR (RULE 2.2.3.1). WHERE THE DIFFERENCE IN LEVEL IS 600 MM (24") OR LESS, A STANDARD RAILING CONFORMING TO RULE 2.10.2 SHALL BE PERMITTED (RULE 2.2.3.2).
18. DRAINS & SUMPS IN ELEVATOR PITS. WHERE PROVIDED, SHALL COMPLY WITH THE APPLICABLE PLUMBING CODE, AND THEY SHALL BE PROVIDED WITH A POSITIVE MEANS TO PREVENT WATER, GASES AND ODORS FROM ENTERING THE HOISTWAY. SUMPS AND SUMP PUMPS IN PITS, WHERE PROVIDED, SHALL BE COVERED. THE COVER SHALL BE SECURED AND LEVEL WITH THE PIT FLOOR (RULES 2.2.2.4 AND 2.2.2.6) AND SHOULD BE LOCATED TO CLEAR ELEVATOR EQUIPMENT (CANNOT BE CONNECTED DIRECTLY TO STORM DRAIN OR SEWER).
19. GFCI CONVENIENCE OUTLET AND LIGHT FIXTURE WITH GUARD IN PIT (NATIONAL ELECTRICAL CODE (NFPA 70 RULE 620-85) OR (CSA C22.1-02 SECTION 38-085)). MINIMUM LIGHTING TO BE 100 LUX (10FC) (RULE 2.2.5).
20. PIT LADDER FOR EACH ELEVATOR IN COMPLIANCE WITH RULE 2.2.4.2. NEAREST POINT OF THE LADDER SHALL BE WITHIN 975MM (39"), MEASURED HORIZONTALLY FROM THE MEANS TO UNLOCK THE EGRESS DOOR FROM THE PIT. THE LADDER SHALL EXTEND NOT LESS THAN 1200MM (48") ABOVE THE SILL OF THE ACCESS DOOR. RUNGS OR CLEATS TO BE NON-SLIP AND SHALL BE SPACED 300MM (12") ON CENTER AND 400MM (16") WIDE (SEE RULE 2.2.4.2 FOR EXCEPTION WHEN UNAVOIDABLE OBSTRUCTIONS ARE ENCOUNTERED). LOCATE PER SCHINDLER FINAL LAYOUT DRAWINGS AND DRAWING DS823. ALL WALK-IN PITS MUST FOLLOW THE REQUIREMENTS OF RULE 2.2.4.5.
21. GFCI CONVENIENCE OUTLET AND TELEPHONE OUTLET LOCATED IN MACHINE/CONTROL ROOM FOR EACH ELEVATOR (NATIONAL ELECTRICAL CODE (NFPA 70 RULE 620-85) OR (CSA C22.1-02 SECTION 38-085)). DEDICATED ANALOG TELEPHONE LINE CAPABLE OF OUTGOING AND INCOMING CALLS FOR EMERGENCY PHONE SYSTEM (RULES 2.27.1.1 & 2.27.1.2) AND SCHINDLER REMOTE MONITORING (SRM).
22. MAIN POWER CIRCUIT

A. JH: A DEDICATED LOCKABLE WALL-MOUNTED OR RECESSED SELF LOCKING PANEL WITH A FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER (WHERE PERMITTED) SUITABLE FOR 3-PHASE POWER FOR THE ELEVATOR CONTROL, LOCATED IN A) THE BUILDING COMMON ELECTRICAL UTILITY ROOM, OR B) A BUILDING SERVICE CORRIDOR, OR C) ON / IN A WALL WITHIN SIGHT OF THE ELEVATOR INSPECTION AND TEST PANEL. DISCONNECT SWITCH OR BREAKER MUST ALSO HAVE AN AUXILIARY (DRY) CONTACT THAT IS POSITIVELY DRIVEN AND OPENS WHEN THE BREAKER OR SWITCH IS OPENED.
B. JH1: ONLY WHEN MOTOR CONTROLLER IS LOCATED IN HOISTWAY: AN ADDITIONAL LOCKABLE WALL-MOUNTED NON-FUSED DISCONNECT SWITCH IN THE HOISTWAY, TO BE LOCATED ADJACENT TO THE MOTOR CONTROLLER. THIS DISCONNECT MUST ALSO A) BE LOCKABLE IN THE CLOSED POSITION WITH A LOCKING MECHANISM THAT CANNOT BE REMOVED FROM THE DEVICE AND B) HAVE AN AUXILIARY (DRY) CONTACT THAT IS POSITIVELY DRIVEN AND OPENS WHEN THE \ SWITCH IS OPENED. (SEE ALSO NFPA70 REQ. 620.5 ' (C)(1) OR CSA C22.1 REQ. 38-051(6)).
C. POWER WIRING FROM JHL TO THE CORRESPONDING INSPECTION AND TEST PANEL.
D. OTHER SINGLE-PHASE FUSED DISCONNECT SWITCHES OR CIRCUIT BREAKERS FOR FUNCTIONS RELATED TO THE ELEVATOR, INCLUDING BUT NOT LIMITED TO POWER FOR RECEPTACLES, LIGHTING, REMOTE MONITORING EQUIPMENT, SEISMIC EQUIPMENT, AND PIT PUMPS, LOCATED ADJACENT TO THE 3-PHASE PANEL OR WITHIN THE 3-PHASE PANEL.
E. WIRING FROM "OTHER" DISCONNECTS TO RECEPTACLES/LIGHTING DEVICES AT THE DESTINATIONS (PIT, TOP HOISTWAY, MACHINERY/CONTROL SPACES, CONTROL ROOMS, MONITORING STATIONS, ETC.)

23. GENERAL
THE DEDICATED PANELS OUTSIDE THE HOISTWAY IDENTIFIED ABOVE AND THEIR LOCATION MUST BE IN AN AREA READILY ACCESSIBLE TO QUALIFIED/AUTHORIZED PERSONS (NFPA 70 REQ. 620.51(C)) OR / (CSA 22.1 REQ. 38-051(6)). ACCESS TO EACH DISCONNECT PANEL MUST REQUIRE A GROUP 2 KEY (ASME A17.1/CSA B44 REQ. 8.1.3). THE DISCONNECTS MAY ALSO BE LOCATED WITHOUT PANELS IN A GROUP 2 KEY SECURED ROOM IDENTIFIED AND DEDICATED FOR THE ELEVATOR APPARATUS ONLY. LOCATE AND MARK THE PANELS AND DISCONNECTS WITH APPROPRIATE SIGNAGE. (NFPA 70 REQ. 620-51 THROUGH 620-55) OR (CSA C22.1 REQ. 38-051 THROUGH 38-055). EACH DISCONNECT OR BREAKER ABOVE MUST BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION WITH A LOCKING APPARATUS (EXCLUDING LOCK ITSELF) THAT CANNOT BE REMOVED FROM THE DEVICES OR PANEL(S).

24. OTHER EQUIPMENT/REQUIREMENTS:
A. FOR THE MAIN POWER CIRCUIT ONLY:
   1. A 3-PHASE TRANSFORMER MAY BE SUPPLIED TO PROVIDE THE REQUIRED MOTOR CONTROLLER VOLTAGE IF NOT DIRECTLY AVAILABLE WITHIN THE BUILDING. WHEN SUPPLIED, IT IS PREFERABLE TO BE LOCATED IN A COMMON ELECTRICAL ROOM WITH OTHER BUILDING ELECTRICAL APPARATUS. SEE SCHINDLER POWER SUPPLY DATA SHEET.
   2. A LOCAL DISCONNECTING MEANS MUST BE PROVIDED IN THE FEEDER TO THIS TRANSFORMER (NFPA70-11 REQ. 450.14) OR (CSA C22.1-12 REQ. 26-250). WHEN THE JH DISCONNECT IS NOT LOCATED WITHIN SIGHT OF THE TRANSFORMER, AN ADDITIONAL (TRANSFORMER) DISCONNECT LOCATED WITHIN SIGHT OF THE TRANSFORMER SHALL BE PROVIDED BY THE BUILDING. THE INSTALLATION OF A TRANSFORMER DISCONNECT DOES NOT ELIMINATE THE NEED FOR THE JH DISCONNECT.

B. FOR ALL POWER CIRCUITS
   1. SPRINKLERS SHALL BE LOCATED AT THE TOP AND BOTTOM OF THE HOISTWAY WHEN REQUIRED BY THE LOCALLY ADOPTED EDITION OF NFPA 13
   2. IN US JURISDICTIONS ONLY, WHEN A SPRINKLER HEAD IS LOCATED IN THE HOISTWAY, THE BUILDING SHALL PROVIDE SHUNT TRIP ACTIVATION OF A) JH, THE MAIN DISCONNECTOR OR B) THE FEED TO THE MAIN DISCONNECT, TRIGGERED BY CONTACTS OF THE FIRE RECALL INITIATING DEVICES (AS DEFINED BY NFPA). THESE DEVICES, LOCATED IN THE HOISTWAY OR OTHER DISCONNECT LOCATION, SHALL PROVIDE INDEPENDENT DISCONNECTION OF ELECTRICAL POWER TO BOTH MAIN AND AUXILIARY POWER CIRCUITS PRIOR TO SPRINKLER ACTIVATION (ASME A17.1-2007/CSA B44-07 RULE 2.8.3.3. AND/OR LOCAL CODE).
   3. SHUNT TRIP, IF PROVIDED, MUST ALSO HAVE AN AUXILIARY CONTACT THAT FUNCTIONS THE SAME AS THOSE IN THE JH AND JH1 DISCONNECTS.

C. FOR COMMUNICATIONS CIRCUITS
   1. AN ANALOG TELEPHONE LINE, ONE PER ELEVATOR, SHALL BE PROVIDED. LINE SHALL BE CAPABLE OF RECEIVING INCOMING AND MAKING OUTGOING CALLS. TELEPHONE LINE SHALL ORIGINATE AT THE INSPECTION AND TEST PANEL DESIGNATED BY SCHINDLER AND TERMINATE AT THE BUILDING PHONE SYSTEM.
   2. WHERE THE ELEVATOR RISE IS 18 M (60 FT) OR MORE, AN ADDITIONAL TELEPHONE / PHONE LINE SHALL BE PROVIDED WITHIN THE BUILDING AT A LOCATION ACCESSIBLE BY EMERGENCY PERSONNEL. THIS PHONE LINE SHALL SUPPORT EQUIPMENT THAT IS CAPABLE OF TWO-WAY ANALOG COMMUNICATIONS WITH EACH ELEVATOR CAR (VIA EACH CAR'S INSPECTION AND TEST PANEL) INDIVIDUALLY AND OVERRIDING COMMUNICATIONS BETWEEN THE ELEVATOR CAR AND LOCATIONS OUTSIDE OF THE BUILDING.

25. A LOCKABLE, 13 1/2" X 15 1/2" X 3 1/2" (MINIMUM), METAL CABINET WITH GROUP-1 KEY TO HOUSE REQUIRED ELECTRICAL SCHEMATICS AND MAINTENANCE HISTORY DOCUMENTS, SHALL BE WALL MOUNTED, ADJACENT TO THE DISCONNECT SWITCH, BY OTHERS, AT THE TOP LANDING. THE SUPPLIER, LOCATION AND MOUNTING OF THE CABINET SHALL BE COORDINATED WITH SCHINDLER.
26. PROVIDE SUITABLE FEEDER AND BRANCH WIRING CIRCUITS FROM THE BUILDING SERVICE TO THE CONTROLLER, INCLUDING MAIN LINE SWITCH, FOR SIGNAL SYSTEMS, POWER OPERATED DOORS, CAR LIGHTING AND CONVENIENCE OUTLETS. SEE SCHINDLER POWER SUPPLY DATA SHEET.
27. PROVIDE EMERGENCY POWER TRANSFER SWITCH AND POWER CHANGE PENDING SIGNALS AS REQUIRED TO MASTER CONTROL.
28. LIGHTING, VENTILATION, AND HEATING OF MACHINE/CONTROL ROOM, CONTROL SPACE AND MACHINERY SPACE (RULE 2.7.9)(A17.1 RULE 2.7.5; IBC 2006 SECTION 3006.2). MINIMUM LIGHTING TO BE 200 LUX (19FC). A SWITCH PLACED ADJACENT TO THE ENCLOSURE SHALL CONTROL LIGHTING FOR THE JAMB MOUNTED INSPECTION & TEST PANEL. MACHINE/CONTROL ROOM OR CONTROL SPACE TEMPERATURE TO BE MAINTAINED BETWEEN 5°C (41°F) AND 40°C (104°F) WITH LESS THAN 95% NON-CONDENSING HUMIDITY. INSPECTION AND TEST PANEL FLOOR LANDING MIN. 0°C (32°F) AND MAX 40°C (104°F) WITH LESS THAN 95% NON-CONDENSING HUMIDITY. SEE SCHINDLER POWER SUPPLY DATA SHEET FOR HEAT EMISSIONS.
29. HOIST BEAMS, TRAP DOORS AND OTHER MEANS OF ACCESS TO MACHINERY SPACE OF ADEQUATE SIZE FOR MAINTENANCE AND EQUIPMENT REMOVAL (RULES 2.7.3.4 AND 2.9.3.3). HOIST BEAMS IN EACH SHAFT LOCATED AND LOAD RATED PER SCHINDLER FINAL LAYOUT DRAWINGS. LIFTING POINTS OR BEAMS SHALL BE VISIBLY MARKED WITH THE SAFE WORKING LOAD.
30. WHEN INSTALLATION OF TWO RATED HOIST BEAMS PER SCHINDLER REQUIREMENTS PER HOISTWAY IS NOT FEASIBLE, GC SHALL PROVIDE ALTERNATIVE ANCHORAGE METHODS. ALTERNATIVE ANCHORAGES MUST BE CAPABLE OF SUPPORTING AT LEAST 5,000 POUNDS (22.2 KN) PER EMPLOYEE ATTACHED; OR DESIGNED, INSTALLED AND USED UNDER THE SUPERVISION OF QUALIFIED PERSON AS PART OF A COMPLETE PERSONAL FALL PROTECTION SYSTEM, THAT MAINTAINS A SAFETY FACTOR OF AT LEAST TWO, IN ACCORDANCE WITH OSHA STANDARD 1910.140 (C) (13). SCHINDLER WILL VERIFY THE ALTERNATIVE ANCHORAGE POINTS DOCUMENTATION PRIOR TO MOBILIZING TO JOBSITE/PROJECT.
31. CLASS "ABC" FIRE EXTINGUISHERS IN ELECTRICAL MACHINERY AND CONTROL SPACE. EXTINGUISHERS SHALL BE LOCATED CONVENIENT TO ACCESS DOOR (RULE 8.6.1.6.5).
32. FURNISH ADEQUATE ON-SITE REFUSE CONTAINERS FOR THE PROPER DISPOSAL OF ELEVATOR PACKAGING MATERIAL. IF ADEQUATE CONTAINERS ARE NOT FURNISHED, DISPOSAL OF PACKAGING MATERIAL SHALL BECOME THE RESPONSIBILITY OF THE OWNER.
33. TEMPORARY SERVICE: SCHINDLER SHALL BE REIMBURSED FOR ANY LABOR AND MATERIAL THAT IS NOT PART OF THE PERMANENT ELEVATOR INSTALLATION AND THAT IS REQUIRED TO PROVIDE TEMPORARY ELEVATOR SERVICE. SCHINDLER'S TEMPORARY ACCEPTANCE FORM SHALL BE EXECUTED AND THE ELEVATOR INSPECTED BEFORE BEING PLACED INTO TEMPORARY SERVICE. THE COSTS ASSOCIATED WITH THE POWER, OPERATION, MAINTENANCE, AND REHABILITATION OF THE EQUIPMENT AND ANY CONSTRUCTION PERMITS OR FEES REQUIRED BY GOVERNING AUTHORITIES SHALL BE PAID FOR BY OTHERS.
34. WHERE THERE IS A BLIND HOISTWAY, AN EMERGENCY DOOR SHALL BE INSTALLED AT EVERY THIRD FLOOR, BUT NOT MORE THAN 11M (36FT) FROM SILL TO SILL. THE CLEAR OPENING MUST BE AT LEAST 700MM (28") WIDE AND 2030MM (80") HIGH (RULE 211.1.2).
35. A TEMPORARY WORK PLATFORM IS REQUIRED FOR INSTALLATION OF THE ELEVATOR - UNLESS OTHERWISE DIRECTED BY SCHINDLER. IT IS TO BE CONSTRUCTED AT THE TOP FLOOR OF EACH TRACTION ELEVATOR. IT MUST COMPLY WITH APPLICABLE GOVERNING CODES & REGULATIONS. THE PLATFORM SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE. ERECTION, MAINTENANCE, AND REMOVAL ARE BY OTHERS. (REFERENCE SCHINDLER DRAWING TD440)
36. IN ADDITION TO THE ABOVE, THE FOLLOWING WORK MUST BE COMPLETED BEFORE ELEVATOR(S) ARE PLACED INTO AUTOMATIC OPERATION. (PRIOR TO CODE REQUIRED MUNICIPAL AUTHORITY INSPECTION. REFER TO SCHINDLER ACCEPTANCE INSPECTION STANDARD FORM).
   A. FINISHED CAB FLOORING AND IF APPLICABLE, FITTING OF INTERIOR CAB WALLS AND/OR CEILING.
   B. IF APPLICABLE, SMOKE AND/OR HEAT DETECTORS WITH SIGNALS TO ELEVATOR CONTROLLER(S).
   C. IF APPLICABLE, EMERGENCY POWER GENERATOR AND AUTOMATIC TRANSFER SWITCH WITH CAPACITY TO RUN AT LEAST ONE ELEVATOR AT A TIME.
   D. SEAL ALL PENETRATIONS THROUGH 2-HOUR (OR GREATER) RATED WALLS WITH CODE APPROVED MATERIAL. DRYWALL LINER BEHIND ALL WALL MOUNTED HALL FIXTURES.
   E. ALL RECEPTACLES INSTALLED IN MACHINE/CONTROL ROOMS, MACHINERY SPACES AND PITS MUST HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (GFCI) (NEC 620 OR CSA 38).
   F. IF APPLICABLE, CONDUIT AND WIRING FOR FIRE ALARM SYSTEM TO EACH ELEVATOR CONTRCL IN MACHINE/CONTROL ROOM.
   G. IF APPLICABLE, CONDUIT AND WIRE RUNS FOR EMERGENCY/RESCUE COMMUNICATIONS IN CENTRAL ALARM & CONTROL FACILITY, FIRE CONTRCL ROOM, SECURITY DESK, ETC.
   H. IF APPLICABLE, CONDUIT AND WIRE RUNS FOR REMOTE ALARM BELL FROM MACHINE/CONTROL ROOM TO REMOTE LOCATION.
   I. ADEQUATE LIGHTING OF BUILDING CORRIDORS SO THAT ILLUMINATION AT THE LANDING SILLS IS MINIMUM 100 LUX (10FC) (RULE 2.11.10.2).
   J. NFPA 72 (FIRE APPARATUS CODE) REQ. 6. 5.2.2 REQUIRES THE FIRE CONTROL PANEL RELAYS THAT PROVIDE THE DRY CONTACTS TO OUR CONTROLLER NOT BE LOCATED MORE THAN 3 FEET FROM THE INSPECTION & TEST PANEL JAMB.

YOU AGREE TO INDEMNIFY AND SAVE SCHINDLER HARMLESS AGAINST ANY AND ALL LIABILITY AND COSTS ARISING OUT OF YOUR FAILURE TO CARRY OUT ANY OF THE FOREGOING REQUIREMENTS.

NO	DATE	REVISIONS
2	05/01/23	REVISION TO PERMIT APPLICATION
1	11/14/22	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A15 SCHINDLER SHOP DRAWING 1

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

PROJ. NO.
2020 –17– BURLINGTON

GENERAL

CAR NUMBER	01
ELEVATOR TYPE	GENERAL PURPOSE
CAPACITY / LOADING CLASS	2500 lbs [1135 KG] / CLASS A
SPEED (VKN)	100 fpm [0.5 m/s]
CONTROL SYSTEM	NX100
CONTROL TYPE	SELECTIVE COLLECTIVE AUTOMATIC
DRIVE SYSTEM	VARIODYN
MACHINE VOLTAGE	480
DRIVE TYPE	VAF013_480
SEISMIC ZONE	0
LOCAL REGULATION CODE	ONt, A17.1 - 2019
LOCAL BUILDING CODE	IBC 2015
NFPA13 CODE	2013
FIREFIGHTER CAR	NO
STRETCHER CAR	NO
CP NUMBER	N/A

HOISTWAY

MACHINE/CWT LOCATION	ON RAIL IN OVERHEAD
OVERHEAD (HSK)	12'-7" [3835 mm]
TRAVEL (HQ)	10' [3048 mm]
PIT DEPTH (HSG)	5' [1524 mm]
HOISTWAY WIDTH (BS)	8'-6" [2591 mm]
HOISTWAY DEPTH (TS)	5'-9" [1763 mm]
ENTRANCES (OPENINGS)	2 (2 FRONT / 0 REAR)
QUANTITY OF LANDINGS	2
PIT SET DRILLING	YES

TRACTION

MACHINE TYPE	FMB130-NN-4O672
MACHINE HORSEPOWER	4.96 (NOT FOR SIZING)
BRAKE ASSEMBLY TYPE	FMB130-NN-4O672
BRAKE MODEL	LEROY SOMER MAGNETIC DISK BRAKE
BRAKE QUANTITY/TYPE	2 MAGNETIC DISK BRAKES
DRIVE/CAR SHEAVE DIA	3.4" (87 MM)
STM BELT TYPE	STM-PV30 (FIRE RATED)
STM QTY	3
STM LENGTH (EACH)	66' [20.1 M]
STM TRIP COUNT LIMIT	1000000
ROPING	2:1

ENTRANCES

LANDING DOOR TYPE-FRONT	2-SPD SIDE OPENING LEFT HAND (T2R)
LANDING DOOR TYPE-REAR	N/A
DOOR WIDTH (BT)	3'-6" [1067 mm]
DOOR HEIGHT (HT)	7' [2134 mm]
CAB HEIGHT (HK)	7'-9 1/8" [2366 mm]
LANDING DOOR LOCK TYPE	FERMATOR
LANDING DOOR FIRE RATING	UL 10B1.5 HOURS
DOOR OPERATOR TYPE	FERMATOR COMPACT
DOOR CLUTCH TYPE	FERMATOR COMPACT

CAR ENCLOSURE MEETS THE EQUIVALENT DEFLECTION AND ALLOWABLE STRESS REQUIREMENTS OF 2.15.10 AND 2.15.11

FIELD NOTES:
- MEETS ASME A17.1, ADA AND LOCAL CODES.
- STM TWIST 180 DEGREES BETWEEN CAR AND MACHINE.
- PER ASME A17.1-2019/CSA B44-07 WITH ADDENDAS A-2008 AND B-2009 AND EDITION 2010 INCLUDES COMMUNICATIONS FAILURE INDICATOR TO BE LOCATED IN VICINITY OF PHASE 1 FIRE RECALL SWITCH.
- THIS CONTRACT COMPLIES WITH ASME A17.1-2007/CSA B44-07 WITH ADDENDAS A-2008 AND B-2009 AND EDITION 2010 AND WHERE APPLICABLE INCLUDES EXCEPTION TO THOSE POINTS COVERED UNDER THE ACCOMPANYING VARIANCE DOCUMENTS RELATED TO THE SUSPENSION SYSTEM AND GOVERNOR ROPES THAT CONFORM TO THE LATTER 2010 EDITION AND TO ASME A17.6-2010.

SAFETY ELEMENTS & GUIDE RAILS

CAR NUMBER	01
CAR SAFETY TYPE	SCHINDLER-RF1
CAR GOVERNOR TYPE	SA GBP 202
CAR GOV. ROPE LENGTH	56.00' [17 m]
CAR GOV. ROPE TYPE	6MM DIA.
CAR GUIDERAILS	12 lbs/ft (T127-1/B)
CWT GUIDERAILS	6 lbs/ft (T75)
CAR GUIDESHOE TYPE	SLIDING
CWT GUIDESHOE TYPE	SLIDING
CAR BUFFER TYPE	SPRING (D2-I)
CAR BUFFER QTY	2
CAR BUFFER STROKE	1 5/8" [41 mm]
CAR BUFFER SPRING OUTER. DIA. / LENGTH	2.9 [75] / 8.3 [210]
CAR RUNBY	6" [152 mm]
CWT BUFFER TYPE	SPRING (□E1)
CWT BUFFER QTY	1
CWT BUFFER STROKE	1 9/16" [40 mm]
CWT BUFFER SPRING OUTER DIA. / LENGTH	4.1 [104.7] / 6.8 [173]
CWT RUNBY	6" [152 mm]

ELECTRICAL DATA

MAIN POWER SUPPLY VOLTAGE (UN)	600V
MAIN POWER PHASE	3
MAIN POWER FREQUENCY	60 Hz
EMERGENCY POWER OPERATION	NO
BATTERY BACKUP (AUTO EVAC)	YES
AUTOTRANSFORMER	YES

SYSTEM WEIGHTS

CAR NET AREA	29.87 ft2 [2.78 m2]
CAR FLOOR THICKNESS (HKZ)	3/8" [10 mm]
CAR ADDITIONAL WEIGHT	0 LBS [0 KG]
CAR WEIGHT	2203 LBS [999 KG]
MASS ACTING ON SAFETIES (GKU)	4706 LBS [2135 KG]
CWT WEIGHT	3458 LBS [1569 KG]
CWT PERCENTAGE	50%
FLOOR WEIGHT BY OTHERS	200 LBS [91 KG]

CONTROL OPTIONS

EMERGENCY SERVICE / CODE BLUE	NO
HALL SECURITY	HALL CARD READER PROVISIONS
CAB SECURITY	CAR CARD READER PROVISIONS
VIP SERVICE	NO
WATER DETECTION IN PIT	NO
VISUAL COMMUNICATION SYSTEM	YES
LOBBY VISION INTERFACE	NO
STATUS (FIREFIGHTER) PANEL INTERFACE	NO
STATUS PANEL WIRING DISTANCE	N/A
FCVAP WIRING DISTANCE	N/A

ACRONYM	DEFINITION
BGS	DISTANCE BETWEEN COUNTERWEIGHT GUIDE RAILS
BIA	BUFFER IMPACT ASSEMBLY
BK	CAR WIDTH (INSIDE)
BKE	CAR ENTRANCE CLEAR WIDTH
BKF1	CAB INSIDE WALL WIDTH (FRONT LEFT)
BKF2	CAB INSIDE WALL WIDTH (FRONT RIGHT)
BKF3	CAB INSIDE WALL WIDTH (REAR RIGHT)
BKF4	CAB INSIDE WALL WIDTH (REAR LEFT)
BKS	DISTANCE BETWEEN CAR GUIDE RAILS
CCL1	CAR C/L TO MACHINE/CWT SIDE WALL
CCL2	CAR C/L TO LONE RAIL WALL SIDE
CCU	CAR CONTROL UNIT
CIN	CAR LANTERN
COP	CAR OPERATING PANEL
DCL	DOOR C/L
F	FORCE ON GUIDE SHOE IN DIRECTION OF GUIDE RAIL AXIS ON CAR SIDE OR CWT SIDE
FF1	REFER TO F FOR ACTING FORCES ON CAR SIDE
FF1g	REFER TO F FOR ACTING FORCES ON CWT SIDE
FF2	REFER TO P FOR ACTING FORCES ON CAR SIDE
FF2g	REFER TO P FOR ACTING FORCES ON CWT SIDE
F11	FORCE OF LONE CAR RAIL ON HOISTWAY PIT
F9	FORCE OF CAR BUFFER ON HOISTWAY PIT
F10	FORCE OF CWT BUFFER ON HOISTWAY PIT
F12	FORCE OF CWT-SIDE CAR RAIL ON HOISTWAY PIT
F14	FORCE OF CWT RAIL ON FRONT OF HOISTWAY PIT
F13	FORCE OF CWT RAIL ON REAR OF HOISTWAY PIT
HE	FLOOR TO FLOOR DISTANCE
HF	DISTANCE BETWEEN GUIDE RAIL BRACKETS
HGU	CAR FRAME BOTTOM HEIGHT
HK	CAR HEIGHT

ACRONYM	DEFINITION
HKA	CAR TOE GUARD HEIGHT
HKB	PLATFORM & FLOORING THICKNESS
HP CAR	FULL CAR BUFFER HEIGHT
HP CWT	FULL CWT BUFFER HEIGHT
HPE CAR	HEIGHT OF COMPRESSED CAR BUFFER
HPE CWT	HEIGHT OF COMPRESSED CWT BUFFER
HSS1	HEIGHT OF CAR PLINTH
HSS2	HEIGHT OF CWT PLINTH
JH1	AUXILIARY DISCONNECT
JH	MACHINE DISCONNECT
JHL	CAR SUPPLY DISCONNECT
LIN	HALL LANTERN
LOP	HALL PUSH BUTTON
LDU	LANDING DOOR UNIT, PROVIDES INSPECTION AND TEST PANEL ACCESS
LF CAR	CAR RAIL LENGTH
LF CWT	CWT RAIL LENGTH
P	FORCE ON GUIDE SHOE PERPENDICULAR TO GUIDE RAIL AXIS ON CAR OR CWT SIDE
RO	ROUGH OPENING
SF1	LEFT HW WALL TO BASE OF CAR RAIL DISTANCE
SF2	RIGHT HW WALL TO BASE OF CAR RAIL DISTANCE
SG	HW WALL TO CWT C/L
SKO	OVER-TRAVEL OF CAR ABOVE
SKS	HALF-GRAVITY STOPPING DISTANCE
SKU	OVER-TRAVEL OF CAR CAR BELOW
STM	SUSPENSION TRACTION MEDIA
TA	AUTOTRANSFORMER 20KVA
TAS	CONTROL TRANSFORMER 1KVA
TCRR	TOP OF CAR RAIL
TCWR	TOP OF COUNTERWEIGHT RAIL
TG	COUNTERWEIGHT DEPTH
TK	CAR DEPTH (INSIDE)
TKA	CAR SILL TO INSIDE CAR WALL
TKS	RUNNING CLEARANCE
TKSW1	CAR C/L TO FRONT HW WALL DISTANCE
TKSW2	CAR C/L TO REAR HW WALL DISTANCE
TSU	TRANSFER SWITCH UNIT
TSW	ENTRANCE SILL DEPTH
XCW	CWT C/L TO CAR GUIDE RAIL BASE DISTANCE

NO	DATE	REVISIONS
2	05/10/22	REVISION TO PERMIT APPLICATION
1	11/14/08	ISSUED FOR PERMIT APPLICATION

SIGNED

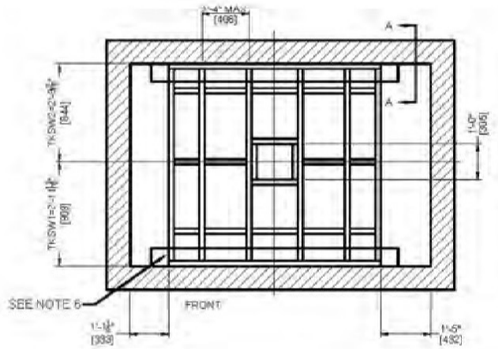
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

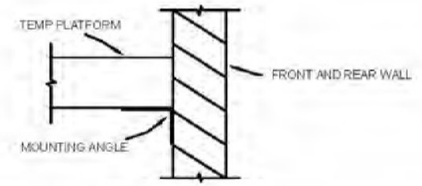
DWG. TITLE
A16 SCHINDLER SHOP DRAWING 2

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

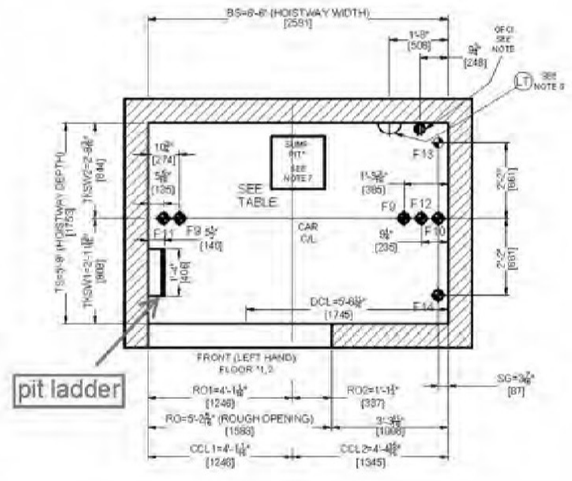
PROJ. NO.
2020 –17– BURLINGTON



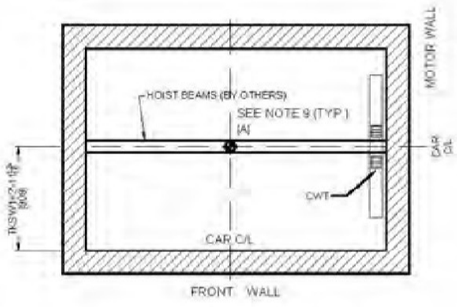
TEMPORARY HOISTWAY PLATFORM (BY OTHERS)
Scale: 1/2"=1'0"
SEE NOTES #1-6



Section A-A
NOT TO SCALE



HOISTWAY AND PIT PLAN
Scale: 1/2"=1'0"



OVERHEAD HOIST BEAMS
Scale: 1/2"=1'0"

VERTICAL LOADS CAR 01

NOTE: F9 DOES NOT OCCUR SIMULTANEOUSLY WITH F11 & F12

BUFFER IMPACT		GUIDE RAILS IMPACT RAIL LOADS INCLUDE SAFETY APPLICATION & EQUIPMENT WEIGHT			
F9	F10	F11	F12	F13	F14
7157 lbf	10593 lbf	14656 lbf	18169 lbf	3130 lbf	3130 lbf
31.8 kN	47.1 kN	65.2 kN	80.6 kN	13.9 kN	13.9 kN

NO
1.
2.
3.
4.
5.
6.
7.
8.
9.

NO	DATE	REVISIONS
2	05/01/23	REVISION TO PERMIT APPLICATION
1	01/14/23	ISSUED FOR PERMIT APPLICATION

SIGNED

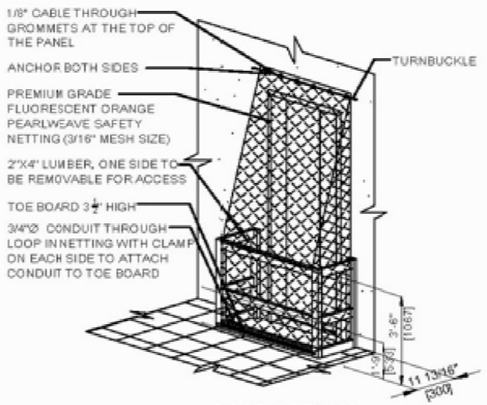
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

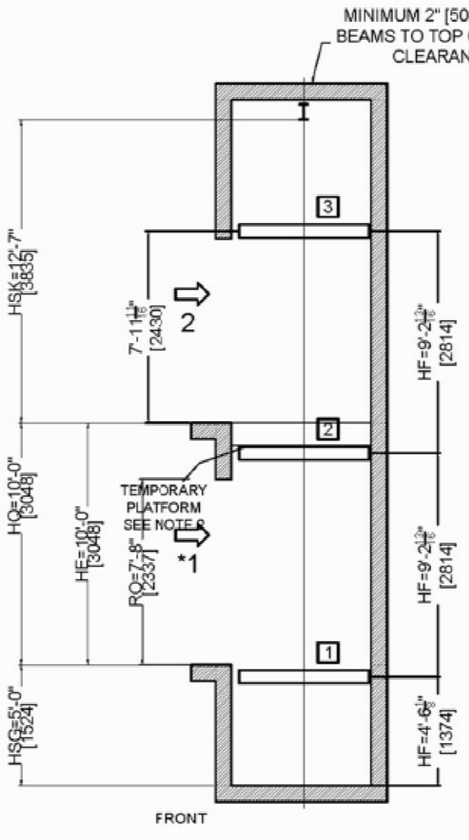
DWG. TITLE
A17 SCHINDLER SHOP DRAWING 3

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

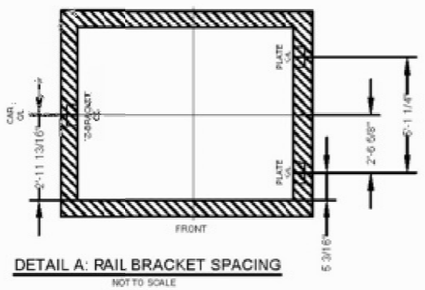
PROJ. NO.
2020 –17– BURLINGTON



DOOR OPENING
BARRIER DETAIL (BY OTHERS)
NOT TO SCALE



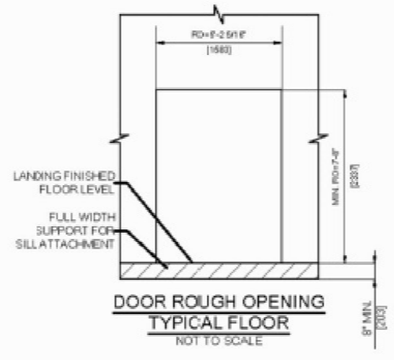
ELEVATION DETAIL CAR 01



DETAIL A: RAIL BRACKET SPACING
NOT TO SCALE

BRACKET INTERFACE WALL CONSTRUCTION TYPE CAR 01	
FROM OUTSIDE SHAFT LCOKING IN	TYPE
LEFT WALL	BLOCK*
RIGHT WALL	BLOCK*

*INSERTS PROVIDED. COORDINATION WITH SUPERINTENDENT REQUIRED



DOOR ROUGH OPENING
TYPICAL FLOOR
NOT TO SCALE

RAIL STACK LEGEND			
SYMBOL	DESCRIPTION		
[1]	GUIDE RAIL BRACKET		
[2]	OPENING		
F&P CAR RAIL LOADS		F&P CWT RAIL LOADS	
F (FF1)	P (FF2)	F (FF1)	P (FF2)
274 lbf	96 lbf	69 lbf	6 lbf
1219 N	427 N	307 N	27 N

NO.	DATE	REVISIONS
2	05/01/23	REVISION TO PERMIT APPLICATION
1	01/14/23	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

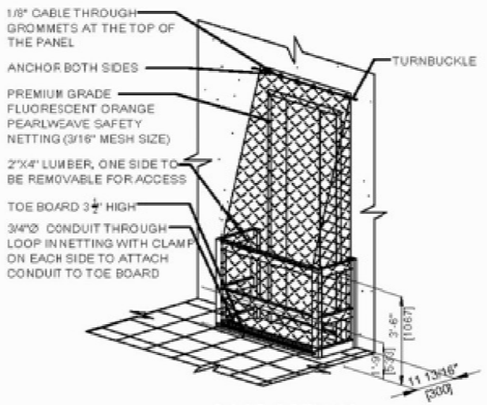
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

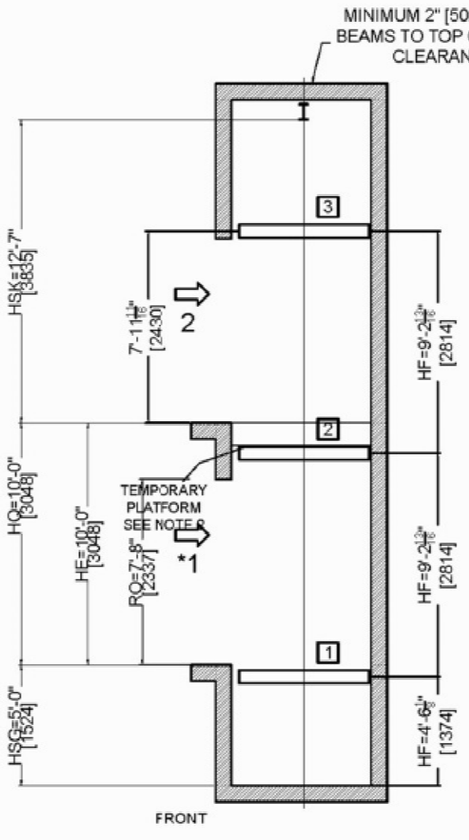
DWG. TITLE
A18 SCHINDLER SHOP DRAWING 4

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

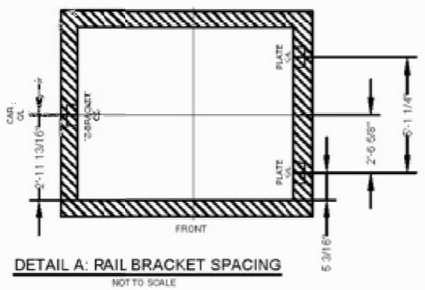
PROJ. NO.
2020 –17– BURLINGTON



DOOR OPENING
BARRIER DETAIL (BY OTHERS)
NOT TO SCALE



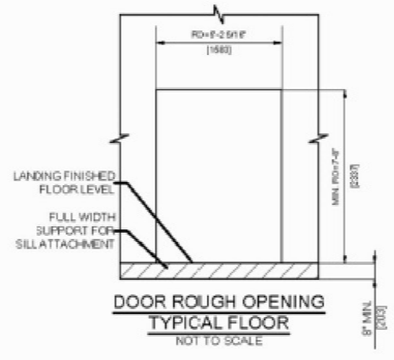
ELEVATION DETAIL CAR 01



DETAIL A: RAIL BRACKET SPACING
NOT TO SCALE

BRACKET INTERFACE WALL CONSTRUCTION TYPE CAR 01	
FROM OUTSIDE SHAFT LCOKING IN	TYPE
LEFT WALL	BLOCK*
RIGHT WALL	BLOCK*

*INSERTS PROVIDED. COORDINATION WITH SUPERINTENDENT REQUIRED



DOOR ROUGH OPENING
TYPICAL FLOOR
NOT TO SCALE

RAIL STACK LEGEND			
SYMBOL	DESCRIPTION		
[1]	GUIDE RAIL BRACKET		
[2]	OPENING		
F&P CAR RAIL LOADS		F&P CWT RAIL LOADS	
F (FF1)	P (FF2)	F (FF1)	P (FF2)
274 lbf	96 lbf	69 lbf	6 lbf
1219 N	427 N	307 N	27 N

NO.	DATE	REVISIONS
2	05/01/23	REVISION TO PERMIT APPLICATION
1	01/14/23	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A18 SCHINDLER SHOP DRAWING 4

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

PROJ. NO.
2020 –17– BURLINGTON

WORK BY OTHERS

INSTALLATION WORK SHALL BE PERFORMED DURING REGULAR WORKING HOURS OF REGULAR WORKING DAYS AFTER HOISTWAY(S) AND MACHINE/CONTROL ROOM(S) HAVE BEEN PROPERLY PREPARED AS DESCRIBED IN THE FOLLOWING ITEMS. ALL ITEMS MUST BE PERFORMED OR FURNISHED AT NO COST TO SCHINDLER ELEVATOR CORPORATION ("SCHINDLER") BY THE OWNER OR GENERAL CONTRACTOR OR THEIR AGENTS IN ACCORDANCE WITH ALL GOVERNING CODES. THE PRICE AND INSTALLATION SCHEDULE OF SCHINDLER IS BASED ON THESE JOB-SITE CONDITIONS EXISTING AT THE BEGINNING AND DURING THE INSTALLATION OF THE ELEVATOR EQUIPMENT.

ALL WORK MUST BE PERFORMED PER THE LATEST APPLICABLE REVISION OF THE NATIONAL (ASME A17.1 OR CSA B44) AND/OR LOCAL CODES.

1. CLEAR, PLUMB, HOISTWAY WITH VARIATIONS NOT TO EXCEED +25MM (+1") -0MM (-0") WITHIN THE FIRST 30.5M (100FT). TOLERANCE MAY INCREASE +0.8MM (1/32") FOR EACH ADDITIONAL 3.05M (10FT) UP TO A MAXIMUM OF +50MM (2"). PIT FLOOR TO BE DRY, LEVEL, FREE OF BUMPS AND DEBRIS. HOISTWAY ENCLOSURE TO BE FIRE RATED PER NATIONAL CODE REQUIREMENTS AND APPLICABLE BUILDING CODES (RULE 2.1.1). HOISTWAY, PIT, AND OVERHEAD DIMENSIONS TO BE AS SPECIFIED ON SCHINDLER FINAL LAYOUT DRAWING.
2. ACCEPTABLE MATERIAL UNLOADING AREA WITHIN 30.5M (100FT) OF HOISTWAY WITH "ROLLABLE" ACCESS (PLANKED OR PAVED) OR UNINTERRUPTED USE OF A CRANE OR FORKLIFT AND OPERATOR AT NO COST TO SCHINDLER. DRY AND ENCLOSED STORAGE AREA OF ADEQUATE SIZE FOR ELEVATOR MATERIALS NEAR HOISTWAY. ANY WARRANTIES PROVIDED BY SCHINDLER FOR ELEVATOR EQUIPMENT ARE NULL AND VOID IF EQUIPMENT IS STORED IN A MANNER THAT DOES NOT COMPLY WITH THE REQUIREMENTS AS DEFINED ABOVE.
3. POWER FOR CONSTRUCTION ADJACENT TO HOISTWAYS AND MACHINE/CONTROL ROOMS (110/220 VOLT, SINGLE PHASE, FOR WELDERS AND HOISTS) AND SUFFICIENT 3-PHASE POWER TO RUN ELEVATOR(S) AT THE SAME TIME. REFER TO SCHINDLER POWER SUPPLY DATA SHEET. TO MEET THE DATE UPON WHICH THE ELEVATORS ARE TO BE TURNED OVER, THE POWER FOR CONSTRUCTION AND PERMANENT 3-PHASE POWER MUST BE INSTALLED AND AVAILABLE PRIOR TO THE START OF ELEVATOR INSTALLATION.
4. ALL WORK AREAS, INCLUDING HOISTWAY AND PIT, CLEAR OF DEBRIS. MAINTAIN MINIMUM TEMPERATURE OF 13°C (55°F). ADEQUATE WORK AREA IN FRONT OF GROUND FLOOR ENTRANCE REQUIRED. PROPER LIGHTING OF WORK AREAS.
5. 75° BEVEL GUARDS ON ALL PROJECTIONS, RECESSES OR SETBACKS OVER 100MM (4"), EXCEPT ON SIDE USED FOR LOADING/UNLOADING.
6. PROVIDE VENTING OF THE HOISTWAY PER NATIONAL CODE REQUIREMENTS AND APPLICABLE BUILDING CODES (RULE 2.1.4). WHEN IBC COMPLIANCE IS REQUIRED, AN INDEPENDENT AC OR VENTING SYSTEM FOR THE ELEVATOR SYSTEM IS REQUIRED.
7. DRIED-IN HOISTWAY(S) AND MACHINE/CONTROL ROOM(S).
8. CLEAR, FLAT, VERTICAL OR HORIZONTAL SURFACES FOR MOUNTING RAIL BRACKETS AT EACH FLOOR, IN OVERHEAD, AND INTERMEDIATE LEVELS (IF REQUIRED) IN THE SAME VERTICAL PLANE AS THE CLEAR HOISTWAY LINE. THIS INCLUDES DIVIDER BEAMS BETWEEN CARS FOR MULTIPLE ELEVATORS IN A COMMON HOISTWAY. RAIL BRACKET SUPPORTS SHALL NOT INTRUDE INTO THE CLEAR HOISTWAY LINE. RAIL BRACKET SUPPORTS AND DIVIDER BEAMS IN THE OVERHEAD TO BE LOCATED APPROXIMATELY 610MM (24") BELOW THE ROOF OR MACHINE ROOM SLAB. SUPPLY VERTICAL FLAT PLATES ON WHICH TO MOUNT CAR RAIL BRACKETS IF GUSSET PLATES OBSCURE BEAM WEBS, SUCH AS IN WIND BRACING FRAMES. IF APPLICABLE, INTERMEDIATE BRACKET SUPPORTS BETWEEN FLOOR(S) AND IN THE OVERHEAD AREA MAY BE REQUIRED. REFER TO SCHINDLER FINAL LAYOUT DRAWINGS FOR MAXIMUM BRACKET SPACING AND ACTUAL SUPPORT LOCATIONS.
9. FOR MASONRY BLOCK HOISTWAY CONSTRUCTION, SCHINDLER WILL PROVIDE RAIL BRACKET INSERTS FOR INSTALLATION BY OTHERS, LOCATED IN ACCORDANCE WITH THE SCHINDLER FINAL LAYOUT DRAWINGS. WHERE INSERTS ARE NOT USED, HOLLOW MASONRY BLOCKS ARE NOT ACCEPTABLE FOR BRACKET FASTENING. PROVIDE 125MM (5") CONCRETE BELT AROUND HOISTWAY OR OTHER ACCEPTABLE SUPPORT AT EACH FLOOR, IN OVERHEAD, AND INTERMEDIATE LEVELS (IF REQUIRED).
10. BLOCKOUT/CUTOUT THROUGH WALL AS REQUIRED, TO ACCOMMODATE HALL BUTTON BOXES, SIGNAL FIXTURES, AND HATCH DUCT. PROVIDE FOR ANY REPAIRS SUCH AS GROUTING, PATCHING, PAINTING, OR FIRE PROOFING.
11. FOR NON-MASONRY HOISTWAY CONSTRUCTION WITH FLOOR HEIGHTS EXCEEDING 4.5M (15FT), STRUCTURAL SUPPORT AT 2.4M (8FT) TO 4.5M (15FT) ABOVE FINISHED FLOOR LEVEL FOR ENTRANCE STRUT ANGLE ATTACHMENT.
12. FOR MASONRY HOISTWAY WALLS AT ENTRANCES, PROVIDE ROUGH OPENING OF 203MM (8") ON EACH SIDE AND 203MM (8") ON TOP OF CLEAR OPENING FOR INSTALLATION OF DOORFRAMES AND SILLS. FOR DRYWALL HOISTWAY WALLS AT ENTRANCES, WALLS ARE TO BE BUILT AFTER DOORFRAMES AND SILLS ARE SET IN PLACE.
13. GROUTING AROUND ENTRANCE FRAMES AND FINISHED FLOOR AND GROUT TO SILL LINE AFTER INSTALLATION OF ENTRANCE.
14. CONSTRUCTION BARRICADES (PER OSHA REQUIREMENTS) EITHER OUTSIDE OF ELEVATOR HOISTWAY(S) OR BETWEEN ELEVATORS INSIDE OF HOISTWAY(S) AS REQUIRED. BARRICADES TO BE FREESTANDING AND REMOVABLE, LOCATED AT EACH HOISTWAY OPENING AT EACH FLOOR. BARRICADES SHALL BE ERECTED, MAINTAINED, AND REMOVED BY OTHERS.

PROTECTION FROM FALLS

A. AS REQUIRED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 1926.502 B) (1-3) A FREESTANDING REMOVABLE BARRICADE AT EACH HOISTWAY OPENING AT EACH FLOOR. BARRICADES SHALL BE 42" HIGH, WITH MID-RAIL AND KICK BOARD, AND WITHSTAND 200 LBS. OF VERTICAL AND HORIZONTAL PRESSURE.
B. AS REQUIRED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) OSHA 1926.502(J) HOISTWAY PROTECTION FROM FALLING DEBRIS AND OTHER TRADES MATERIALS BY EITHER:
   1. 8 FOOT SCREENING/MESH IN FRONT OF ALL ELEVATOR ENTRANCES
   2. SECURED/CONTROLLED ACCESS TO ALL ELEVATOR LOBBIES (LOCK AND KEY) WITH POSTED NOTICE " ONLY ELEVATOR PERSONNEL BEYOND THIS PROTECTION"

15. DRY PIT REINFORCED TO SUSTAIN VERTICAL FORCES FROM RAILS AND IMPACT LOADS ON BUFFERS (RULE 2.2.2). CAR BUFFER IMPACT LOADS AS CALCULATED (RULE 8.2.3);
16. ADEQUATE SEALING AND WATERPROOFING OF PIT. EFFECTIVE PREVENTION OF PIT EXPOSURE TO STORM WATER OR GROUND WATER.
17. WHERE THERE IS A DIFFERENCE IN LEVEL BETWEEN THE FLOORS OF ADJACENT PITS, A METAL GUARD SHALL BE INSTALLED NOT LESS THAN 2030 MM (79") ABOVE THE LEVEL OF THE HIGHER PIT FLOOR (RULE 2.2.3.1). WHERE THE DIFFERENCE IN LEVEL IS 600 MM (24") OR LESS, A STANDARD RAILING CONFORMING TO RULE 2.10.2 SHALL BE PERMITTED (RULE 2.2.3.2).
18. DRAINS & SUMPS IN ELEVATOR PITS. WHERE PROVIDED, SHALL COMPLY WITH THE APPLICABLE PLUMBING CODE, AND THEY SHALL BE PROVIDED WITH A POSITIVE MEANS TO PREVENT WATER, GASES AND ODORS FROM ENTERING THE HOISTWAY. SUMPS AND SUMP PUMPS IN PITS, WHERE PROVIDED, SHALL BE COVERED. THE COVER SHALL BE SECURED AND LEVEL WITH THE PIT FLOOR (RULES 2.2.2.4 AND 2.2.2.6) AND SHOULD BE LOCATED TO CLEAR ELEVATOR EQUIPMENT (CANNOT BE CONNECTED DIRECTLY TO STORM DRAIN OR SEWER).
19. GFCI CONVENIENCE OUTLET AND LIGHT FIXTURE WITH GUARD IN PIT (NATIONAL ELECTRICAL CODE (NFPA 70 RULE 620-85) OR (CSA C22.1-02 SECTION 38-085)). MINIMUM LIGHTING TO BE 100 LUX (10FC) (RULE 2.2.5).
20. PIT LADDER FOR EACH ELEVATOR IN COMPLIANCE WITH RULE 2.2.4.2. NEAREST POINT OF THE LADDER SHALL BE WITHIN 975MM (39"), MEASURED HORIZONTALLY FROM THE MEANS TO UNLOCK THE EGRESS DOOR FROM THE PIT. THE LADDER SHALL EXTEND NOT LESS THAN 1200MM (48") ABOVE THE SILL OF THE ACCESS DOOR. RUNGS OR CLEATS TO BE NON-SLIP AND SHALL BE SPACED 300MM (12") ON CENTER AND 400MM (16") WIDE (SEE RULE 2.2.4.2 FOR EXCEPTION WHEN UNAVOIDABLE OBSTRUCTIONS ARE ENCOUNTERED). LOCATE PER SCHINDLER FINAL LAYOUT DRAWINGS AND DRAWING DS823. ALL WALK-IN PITS MUST FOLLOW THE REQUIREMENTS OF RULE 2.2.4.5.
21. GFCI CONVENIENCE OUTLET AND TELEPHONE OUTLET LOCATED IN MACHINE/CONTROL ROOM FOR EACH ELEVATOR (NATIONAL ELECTRICAL CODE (NFPA 70 RULE 620-85) OR (CSA C22.1-02 SECTION 38-085)). DEDICATED ANALOG TELEPHONE LINE CAPABLE OF OUTGOING AND INCOMING CALLS FOR EMERGENCY PHONE SYSTEM (RULES 2.27.1.1 & 2.27.1.2) AND SCHINDLER REMOTE MONITORING (SRM).
22. MAIN POWER CIRCUIT

A. JH: A DEDICATED LOCKABLE WALL-MOUNTED OR RECESSED SELF LOCKING PANEL WITH A FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER (WHERE PERMITTED) SUITABLE FOR 3-PHASE POWER FOR THE ELEVATOR CONTROL, LOCATED IN A) THE BUILDING COMMON ELECTRICAL UTILITY ROOM, OR B) A BUILDING SERVICE CORRIDOR, OR C) ON / IN A WALL WITHIN SIGHT OF THE ELEVATOR INSPECTION AND TEST PANEL. DISCONNECT SWITCH OR BREAKER MUST ALSO HAVE AN AUXILIARY (DRY) CONTACT THAT IS POSITIVELY DRIVEN AND OPENS WHEN THE BREAKER OR SWITCH IS OPENED.
B. JH1: ONLY WHEN MOTOR CONTROLLER IS LOCATED IN HOISTWAY: AN ADDITIONAL LOCKABLE WALL-MOUNTED NON-FUSED DISCONNECT SWITCH IN THE HOISTWAY, TO BE LOCATED ADJACENT TO THE MOTOR CONTROLLER. THIS DISCONNECT MUST ALSO A) BE LOCKABLE IN THE CLOSED POSITION WITH A LOCKING MECHANISM THAT CANNOT BE REMOVED FROM THE DEVICE AND B) HAVE AN AUXILIARY (DRY) CONTACT THAT IS POSITIVELY DRIVEN AND OPENS WHEN THE \ SWITCH IS OPENED. (SEE ALSO NFPA70 REQ. 620.5 ' (C)(1) OR CSA C22.1 REQ. 38-051(6)).
C. POWER WIRING FROM JHL TO THE CORRESPONDING INSPECTION AND TEST PANEL.
D. OTHER SINGLE-PHASE FUSED DISCONNECT SWITCHES OR CIRCUIT BREAKERS FOR FUNCTIONS RELATED TO THE ELEVATOR, INCLUDING BUT NOT LIMITED TO POWER FOR RECEPTACLES, LIGHTING, REMOTE MONITORING EQUIPMENT, SEISMIC EQUIPMENT, AND PIT PUMPS, LOCATED ADJACENT TO THE 3-PHASE PANEL OR WITHIN THE 3-PHASE PANEL.
E. WIRING FROM "OTHER" DISCONNECTS TO RECEPTACLES/LIGHTING DEVICES AT THE DESTINATIONS (PIT, TOP HOISTWAY, MACHINERY/CONTROL SPACES, CONTROL ROOMS, MONITORING STATIONS, ETC.)

23. GENERAL

THE DEDICATED PANELS OUTSIDE THE HOISTWAY IDENTIFIED ABOVE AND THEIR LOCATION MUST BE IN AN AREA READILY ACCESSIBLE TO QUALIFIED/AUTHORIZED PERSONS (NFPA 70 REQ. 620.51(C)) OR / (CSA 22.1 REQ. 38-051(6)). ACCESS TO EACH DISCONNECT PANEL MUST REQUIRE A GROUP 2 KEY (ASME A17.1/CSA B44 REQ. 8.1.3). THE DISCONNECTS MAY ALSO BE LOCATED WITHOUT PANELS IN A GROUP 2 KEY SECURED ROOM IDENTIFIED AND DEDICATED FOR THE ELEVATOR APPARATUS ONLY. LOCATE AND MARK THE PANELS AND DISCONNECTS WITH APPROPRIATE SIGNAGE. (NFPA 70 REQ. 620-51 THROUGH 620-55) OR (CSA C22.1 REQ. 38-051 THROUGH 38-055). EACH DISCONNECT OR BREAKER ABOVE MUST BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION WITH A LOCKING APPARATUS (EXCLUDING LOCK ITSELF) THAT CANNOT BE REMOVED FROM THE DEVICES OR PANEL(S).

24. OTHER EQUIPMENT/REQUIREMENTS:

A. FOR THE MAIN POWER CIRCUIT ONLY:
   1. A 3-PHASE TRANSFORMER MAY BE SUPPLIED TO PROVIDE THE REQUIRED MOTOR CONTROLLER VOLTAGE IF NOT DIRECTLY AVAILABLE WITHIN THE BUILDING. WHEN SUPPLIED, IT IS PREFERABLE TO BE LOCATED IN A COMMON ELECTRICAL ROOM WITH OTHER BUILDING ELECTRICAL APPARATUS. SEE SCHINDLER POWER SUPPLY DATA SHEET.
   2. A LOCAL DISCONNECTING MEANS MUST BE PROVIDED IN THE FEEDER TO THIS TRANSFORMER (NFPA70-11 REQ. 450.14) OR (CSA C22.1-12 REQ. 26-250). WHEN THE JH DISCONNECT IS NOT LOCATED WITHIN SIGHT OF THE TRANSFORMER, AN ADDITIONAL (TRANSFORMER) DISCONNECT LOCATED WITHIN SIGHT OF THE TRANSFORMER SHALL BE PROVIDED BY THE BUILDING. THE INSTALLATION OF A TRANSFORMER DISCONNECT DOES NOT ELIMINATE THE NEED FOR THE JH DISCONNECT.

B. FOR ALL POWER CIRCUITS
   1. SPRINKLERS SHALL BE LOCATED AT THE TOP AND BOTTOM OF THE HOISTWAY WHEN REQUIRED BY THE LOCALLY ADOPTED EDITION OF NFPA 13
   2. IN US JURISDICTIONS ONLY, WHEN A SPRINKLER HEAD IS LOCATED IN THE HOISTWAY, THE BUILDING SHALL PROVIDE SHUNT TRIP ACTIVATION OF A) JH, THE MAIN DISCONNECTOR OR B) THE FEED TO THE MAIN DISCONNECT, TRIGGERED BY CONTACTS OF THE FIRE RECALL INITIATING DEVICES (AS DEFINED BY NFPA). THESE DEVICES, LOCATED IN THE HOISTWAY OR OTHER DISCONNECT LOCATION, SHALL PROVIDE INDEPENDENT DISCONNECTION OF ELECTRICAL POWER TO BOTH MAIN AND AUXILIARY POWER CIRCUITS PRIOR TO SPRINKLER ACTIVATION (ASME A17.1-2007/CSA B44-07 RULE 2.8.3.3. AND/OR LOCAL CODE).
   3. SHUNT TRIP, IF PROVIDED, MUST ALSO HAVE AN AUXILIARY CONTACT THAT FUNCTIONS THE SAME AS THOSE IN THE JH AND JH1 DISCONNECTS.

C. FOR COMMUNICATIONS CIRCUITS
   1. AN ANALOG TELEPHONE LINE, ONE PER ELEVATOR, SHALL BE PROVIDED. LINE SHALL BE CAPABLE OF RECEIVING INCOMING AND MAKING OUTGOING CALLS. TELEPHONE LINE SHALL ORIGINATE AT THE INSPECTION AND TEST PANEL DESIGNATED BY SCHINDLER AND TERMINATE AT THE BUILDING PHONE SYSTEM.
   2. WHERE THE ELEVATOR RISE IS 18 M (60 FT) OR MORE, AN ADDITIONAL TELEPHONE / PHONE LINE SHALL BE PROVIDED WITHIN THE BUILDING AT A LOCATION ACCESSIBLE BY EMERGENCY PERSONNEL. THIS PHONE LINE SHALL SUPPORT EQUIPMENT THAT IS CAPABLE OF TWO-WAY ANALOG COMMUNICATIONS WITH EACH ELEVATOR CAR (VIA EACH CAR'S INSPECTION AND TEST PANEL) INDIVIDUALLY AND OVERRIDING COMMUNICATIONS BETWEEN THE ELEVATOR CAR AND LOCATIONS OUTSIDE OF THE BUILDING.

25. A LOCKABLE, 13 1/2" X 15 1/2" X 3 1/2" (MINIMUM), METAL CABINET WITH GROUP-1 KEY TO HOUSE REQUIRED ELECTRICAL SCHEMATICS AND MAINTENANCE HISTORY DOCUMENTS, SHALL BE WALL MOUNTED, ADJACENT TO THE DISCONNECT SWITCH, BY OTHERS, AT THE TOP LANDING. THE SUPPLIER, LOCATION AND MOUNTING OF THE CABINET SHALL BE COORDINATED WITH SCHINDLER.
26. PROVIDE SUITABLE FEEDER AND BRANCH WIRING CIRCUITS FROM THE BUILDING SERVICE TO THE CONTROLLER, INCLUDING MAIN LINE SWITCH, FOR SIGNAL SYSTEMS, POWER OPERATED DOORS, CAR LIGHTING AND CONVENIENCE OUTLETS. SEE SCHINDLER POWER SUPPLY DATA SHEET.
27. PROVIDE EMERGENCY POWER TRANSFER SWITCH AND POWER CHANGE PENDING SIGNALS AS REQUIRED TO MASTER CONTROL.
28. LIGHTING, VENTILATION, AND HEATING OF MACHINE/CONTROL ROOM, CONTROL SPACE AND MACHINERY SPACE (RULE 2.7.9)(A17.1 RULE 2.7.5; IBC 2006 SECTION 3006.2). MINIMUM LIGHTING TO BE 200 LUX (19FC). A SWITCH PLACED ADJACENT TO THE ENCLOSURE SHALL CONTROL LIGHTING FOR THE JAMB MOUNTED INSPECTION & TEST PANEL. MACHINE/CONTROL ROOM OR CONTROL SPACE TEMPERATURE TO BE MAINTAINED BETWEEN 5°C (41°F) AND 40°C (104°F) WITH LESS THAN 95% NON-CONDENSING HUMIDITY. INSPECTION AND TEST PANEL FLOOR LANDING MIN. 0°C (32°F) AND MAX 40°C (104°F) WITH LESS THAN 95% NON-CONDENSING HUMIDITY. SEE SCHINDLER POWER SUPPLY DATA SHEET FOR HEAT EMISSIONS.
29. HOIST BEAMS, TRAP DOORS AND OTHER MEANS OF ACCESS TO MACHINERY SPACE OF ADEQUATE SIZE FOR MAINTENANCE AND EQUIPMENT REMOVAL (RULES 2.7.3.4 AND 2.9.3.3). HOIST BEAMS IN EACH SHAFT LOCATED AND LOAD RATED PER SCHINDLER FINAL LAYOUT DRAWINGS. LIFTING POINTS OR BEAMS SHALL BE VISIBLY MARKED WITH THE SAFE WORKING LOAD.
30. WHEN INSTALLATION OF TWO RATED HOIST BEAMS PER SCHINDLER REQUIREMENTS PER HOISTWAY IS NOT FEASIBLE, GC SHALL PROVIDE ALTERNATIVE ANCHORAGE METHODS. ALTERNATIVE ANCHORAGES MUST BE CAPABLE OF SUPPORTING AT LEAST 5,000 POUNDS (22.2 KN) PER EMPLOYEE ATTACHED; OR DESIGNED, INSTALLED AND USED UNDER THE SUPERVISION OF QUALIFIED PERSON AS PART OF A COMPLETE PERSONAL FALL PROTECTION SYSTEM, THAT MAINTAINS A SAFETY FACTOR OF AT LEAST TWO, IN ACCORDANCE WITH OSHA STANDARD 1910.140 (C) (13). SCHINDLER WILL VERIFY THE ALTERNATIVE ANCHORAGE POINTS DOCUMENTATION PRIOR TO MOBILIZING TO JOBSITE/PROJECT.
31. CLASS "ABC" FIRE EXTINGUISHERS IN ELECTRICAL MACHINERY AND CONTROL SPACE. EXTINGUISHERS SHALL BE LOCATED CONVENIENT TO ACCESS DOOR (RULE 8.6.1.6.5).
32. FURNISH ADEQUATE ON-SITE REFUSE CONTAINERS FOR THE PROPER DISPOSAL OF ELEVATOR PACKAGING MATERIAL. IF ADEQUATE CONTAINERS ARE NOT FURNISHED, DISPOSAL OF PACKAGING MATERIAL SHALL BECOME THE RESPONSIBILITY OF THE OWNER.
33. TEMPORARY SERVICE: SCHINDLER SHALL BE REIMBURSED FOR ANY LABOR AND MATERIAL THAT IS NOT PART OF THE PERMANENT ELEVATOR INSTALLATION AND THAT IS REQUIRED TO PROVIDE TEMPORARY ELEVATOR SERVICE. SCHINDLER'S TEMPORARY ACCEPTANCE FORM SHALL BE EXECUTED AND THE ELEVATOR INSPECTED BEFORE BEING PLACED INTO TEMPORARY SERVICE. THE COSTS ASSOCIATED WITH THE POWER, OPERATION, MAINTENANCE, AND REHABILITATION OF THE EQUIPMENT AND ANY CONSTRUCTION PERMITS OR FEES REQUIRED BY GOVERNING AUTHORITIES SHALL BE PAID FOR BY OTHERS.
34. WHERE THERE IS A BLIND HOISTWAY, AN EMERGENCY DOOR SHALL BE INSTALLED AT EVERY THIRD FLOOR, BUT NOT MORE THAN 11M (36FT) FROM SILL TO SILL. THE CLEAR OPENING MUST BE AT LEAST 700MM (28") WIDE AND 2030MM (80") HIGH (RULE 211.1.2).
35. A TEMPORARY WORK PLATFORM IS REQUIRED FOR INSTALLATION OF THE ELEVATOR - UNLESS OTHERWISE DIRECTED BY SCHINDLER, IT IS TO BE CONSTRUCTED AT THE TOP FLOOR OF EACH TRACTION ELEVATOR. IT MUST COMPLY WITH APPLICABLE GOVERNING CODES & REGULATIONS. THE PLATFORM SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE. ERECTION, MAINTENANCE, AND REMOVAL ARE BY OTHERS. (REFERENCE SCHINDLER DRAWING TD440)
36. IN ADDITION TO THE ABOVE, THE FOLLOWING WORK MUST BE COMPLETED BEFORE ELEVATOR(S) ARE PLACED INTO AUTOMATIC OPERATION. (PRIOR TO CODE REQUIRED MUNICIPAL AUTHORITY INSPECTION. REFER TO SCHINDLER ACCEPTANCE INSPECTION STANDARD FORM).
   A. FINISHED CAB FLOORING AND IF APPLICABLE, FITTING OF INTERIOR CAB WALLS AND/OR CEILING.
   B. IF APPLICABLE, SMOKE AND/OR HEAT DETECTORS WITH SIGNALS TO ELEVATOR CONTROLLER(S).
   C. IF APPLICABLE, EMERGENCY POWER GENERATOR AND AUTOMATIC TRANSFER SWITCH WITH CAPACITY TO RUN AT LEAST ONE ELEVATOR AT A TIME.
   D. SEAL ALL PENETRATIONS THROUGH 2-HOUR (OR GREATER) RATED WALLS WITH CODE APPROVED MATERIAL. DRYWALL LINER BEHIND ALL WALL MOUNTED HALL FIXTURES.
   E. ALL RECEPTACLES INSTALLED IN MACHINE/CONTROL ROOMS, MACHINERY SPACES AND PITS MUST HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (GFCI) (NEC 620 OR CSA 38).
   F. IF APPLICABLE, CONDUIT AND WIRING FOR FIRE ALARM SYSTEM TO EACH ELEVATOR CONTRCL IN MACHINE/CONTROL ROOM.
   G. IF APPLICABLE, CONDUIT AND WIRE RUNS FOR EMERGENCY/RESCUE COMMUNICATIONS IN CENTRAL ALARM & CONTROL FACILITY, FIRE CONTRCL ROOM, SECURITY DESK, ETC.
   H. IF APPLICABLE, CONDUIT AND WIRE RUNS FOR REMOTE ALARM BELL FROM MACHINE/CONTROL ROOM TO REMOTE LOCATION.
   I. ADEQUATE LIGHTING OF BUILDING CORRIDORS SO THAT ILLUMINATION AT THE LANDING SILLS IS MINIMUM 100 LUX (10FC) (RULE 2.11.10.2).
   J. NFPA 72 (FIRE APPARATUS CODE) REQ. 6. 5.2.2 REQUIRES THE FIRE CONTROL PANEL RELAYS THAT PROVIDE THE DRY CONTACTS TO OUR CONTROLLER NOT BE LOCATED MORE THAN 3 FEET FROM THE INSPECTION & TEST PANEL JAMB.

YOU AGREE TO INDEMNIFY AND SAVE SCHINDLER HARMLESS AGAINST ANY AND ALL LIABILITY AND COSTS ARISING OUT OF YOUR FAILURE TO CARRY OUT ANY OF THE FOREGOING REQUIREMENTS.

NO	DATE	REVISIONS
2	05/01/23	REVISION TO PERMIT APPLICATION
1	11/14/08	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

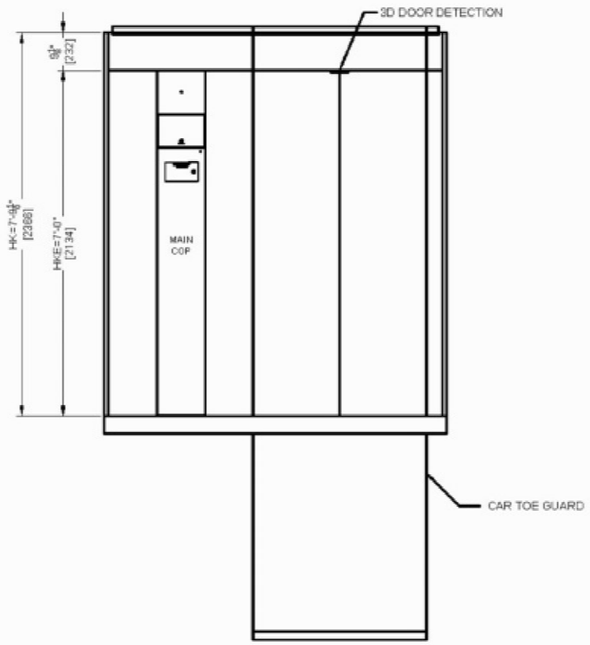
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

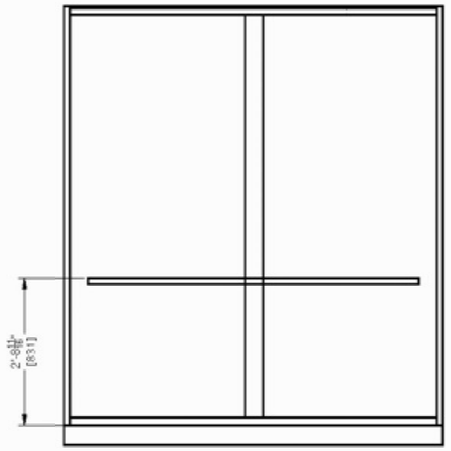
DWG. TITLE
A19 SCHINDLER SHOP DRAWING 5

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

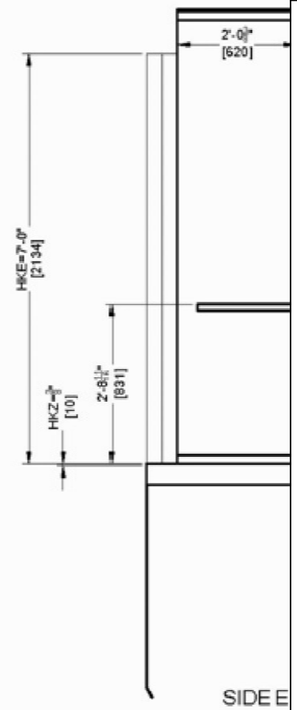
PROJ. NO.
2020 -17- BURLINGTON



FRONT ELEVATION



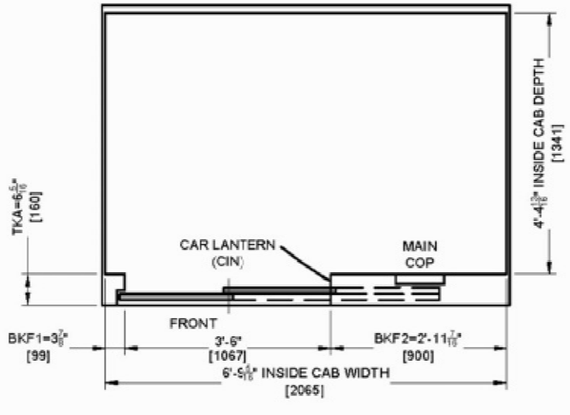
REAR ELEVATION



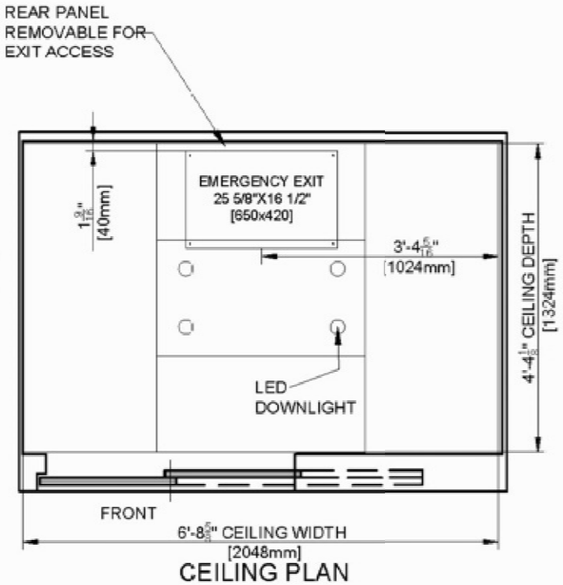
SIDE E

HANDRAIL

NOT TO SCAL



CAR PLAN



CEILING PLAN

CAR FRONT		OPTIONS	
CAR FRONT DECORATION	#4 STAINLESS STEEL	CAR FAN TYPE	1 SPEED
CAR DOOR DECORATION	#4 STAINLESS STEEL	CAR LANTERN	PROVIDED
CAR DOOR PANEL WEIGHT	150.1 LBS [68.1 KG]	HANDRAIL LOCATION	RIGHT, LEFT, REAR
COP FACEPLATE MATERIAL	STEEL	HANDRAIL TYPE	ROUND(STRAIGHT)
CAR POSITION INDICATOR	IN MAIN COP	HANDRAIL FINISH	#4 STAINLESS STEEL
SILL TYPE	ALUMINUM	TELEPHONE	HANDS-FREE ADA
LIGHT CURTAIN TYPE	3D DOOR DETECTION	FLOOR	
CAR WALLS		FLOOR RECESS	3/8" [10]
SIDE WALL TYPE	APPLIED(LAMINATE)	FLOOR TYPE	BY OTHERS
SIDE WALL FINISH	GC TO ADVISE		
REAR WALL	APPLIED(LAMINATE)		
REAR WALL FINISH	GC TO ADVISE		
CEILING			
CEILING TYPE	LED DOWN LIGHT - ROUND SPOTS		
CEILING FINISH	#4 STAINLESS STEEL		
CAR LIGHTING TYPE	AUTOMATIC ON/OFF		

NO.	DATE	REVISIONS
2	05/01/23	REVISION TO PERMIT APPLICATION
1	11/14/22	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

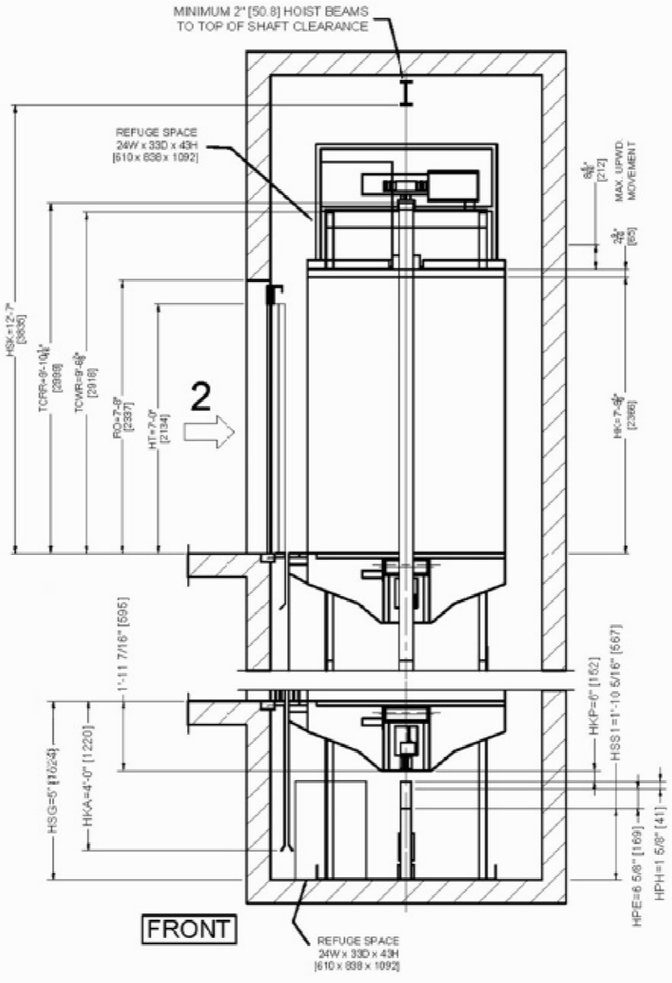
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

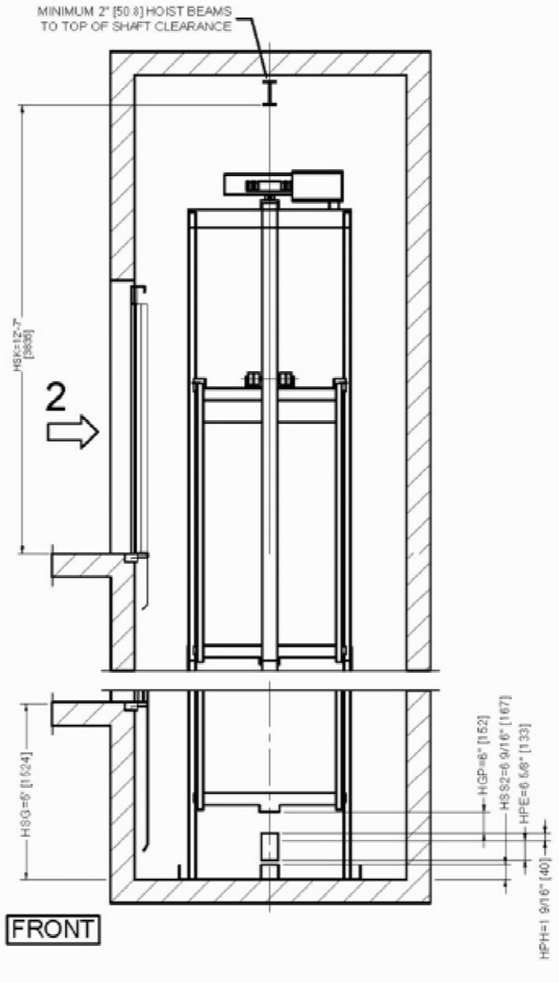
LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A20 SCHINDLER SHOP DRAWING 6

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

PROJ. NO.
2020 –17– BURLINGTON





	CAR BUFFER	CWT BUFFER
MODEL	SPRING	SPRING
HP	8 1/4" [210]	6 13/16" [173]
# OF BUFFERS	2	1

MISCELLANEOUS DIMENSIONS	
HDR	8'-8 15/16" [2665]
HDU	1" [25]
HKB	3 15/16" [100]
SKB (CAR JUMP)	3/4" [20]
SOB (CWT JUMP)	3/4" [20]

NO.	DATE	REVISIONS
2	25/01/23	REVISION TO PERMIT APPLICATION
1	01/14/22	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

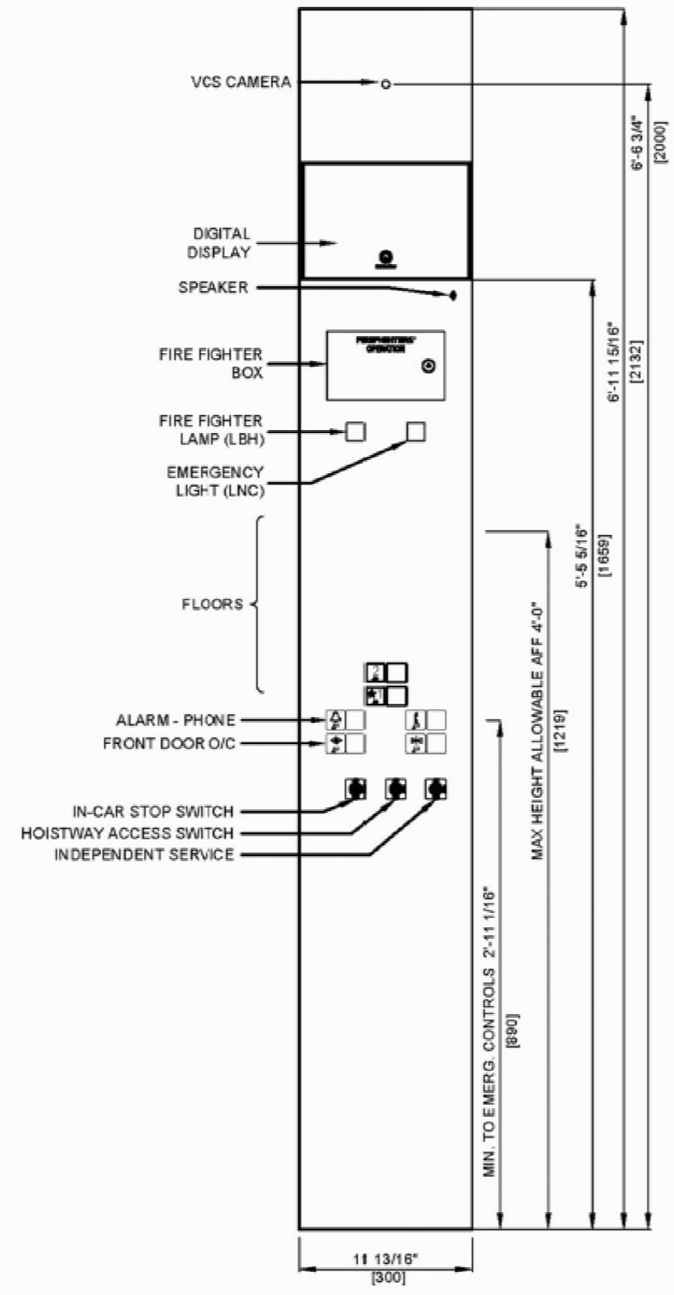
LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A21 SCHINDLER SHOP DRAWING 7

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

PROJ. NO.
2020 –17– BURLINGTON

CAR # 01	
COP FINISH	#4 STAINLESS STEEL
COP HEIGHT	7'
COP WIDTH	11 13/16"
QTY FRONT ENTRANCES	2
QTY REAR ENTRANCES	0
AUX COP	NO
DISPLAY COLOR	WHITE
LOGO	YES
CARD READER	SURFACE
# KEYS ON COP	3
KEY-ACCESS ENABLE	YES
IN-CAR STOP SWITCH	YES
KEY-INDEPENDENT SERVICE	YES



CAR OPERATING PANEL
(COP)

NO	DATE	REVISIONS
2	05/01/22	REVISION TO PERMIT APPLICATION
1	11/14/20	ISSUED FOR PERMIT APPLICATION

SIGNED

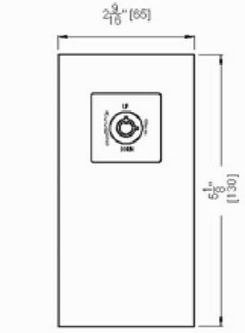
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

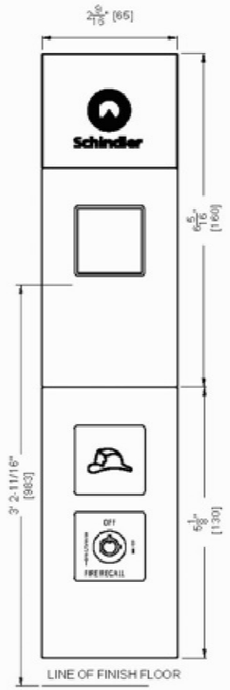
DWG. TITLE
A22 SCHINDLER SHOP DRAWING 8

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

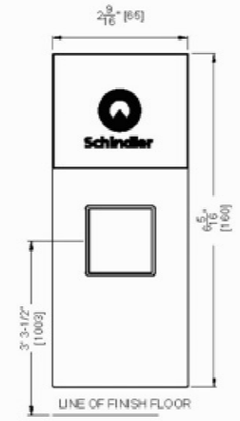
PROJ. NO.
2020 –17– BURLINGTON



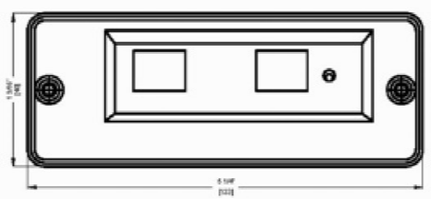
HOISTWAY ACCESS SWITCH
AT FLOORS 1 AND 2



TERMINAL PUSHBUTTON
FIREFIGHTER HAT INDICATOR
& FIRE SERVICE SWITCH
AT FLOOR 1



TERMINAL PUSHBUTTON
AT FLOOR 2



3D DOOR EDGE SENSOR

NO	DATE	REVISIONS
2	05/01/23	REVISION TO PERMIT APPLICATION
1	01/14/09	ISSUED FOR PERMIT APPLICATION

SIGNED

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE CONTRACTOR. DRAWINGS MUST NOT BE SCALED.

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ARCHITECT AND MUST BE RETURNED AT THE COMPLETION OF THE JOB.

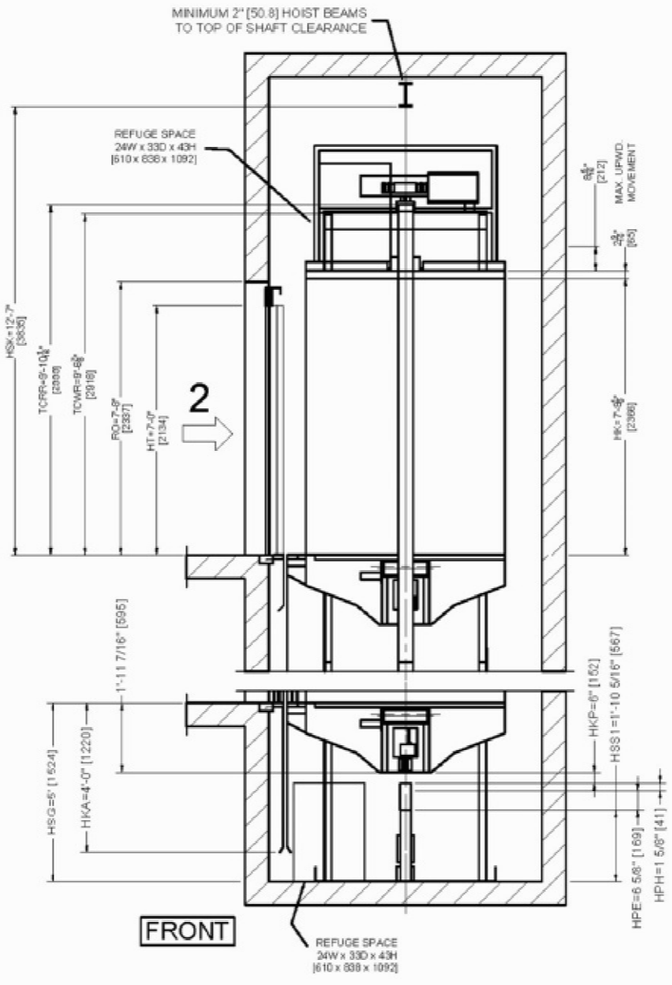
Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A22 SCHINDLER SHOP DRAWING 9

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

PROJ. NO.
2020 –17– BURLINGTON



	CAR BUFFER	CWT BUFFER
MODEL	SPRING	SPRING
HP	8 1/4" [210]	6 13/16" [173]
# OF BUFFERS	2	1

MISCELLANEOUS DIMENSIONS	
HKR	5'-8 15/16" [2865]
HKU	1" [25]
HKB	3 15/16" [100]
SK3 (CWT JUMP)	3/4" [20]
SK5 (CAT JUMP)	3/4" [20]

NO.	DATE	REVISIONS
2	05/01/22	REVISION TO PERMIT APPLICATION
1	11/14/08	ISSUED FOR PERMIT APPLICATION

SIGNED

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

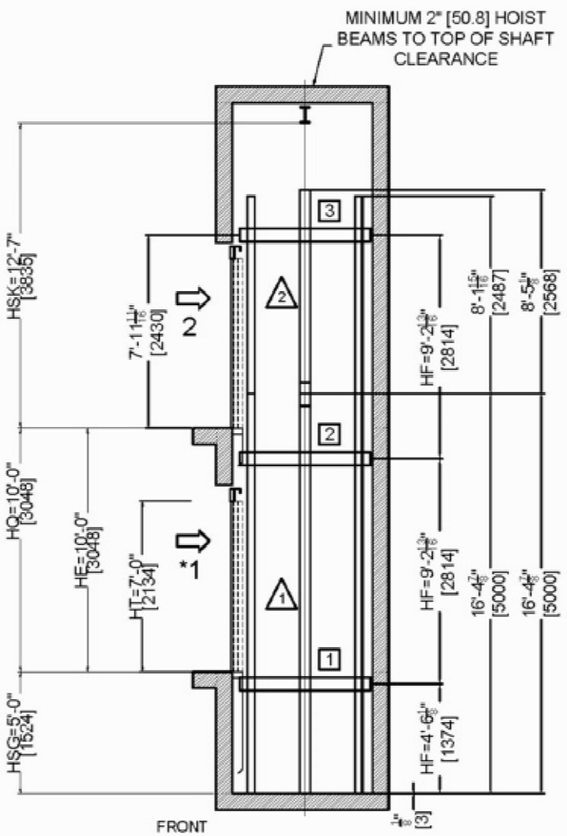
LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A23 SCHINDLER SHOP DRAWING 10

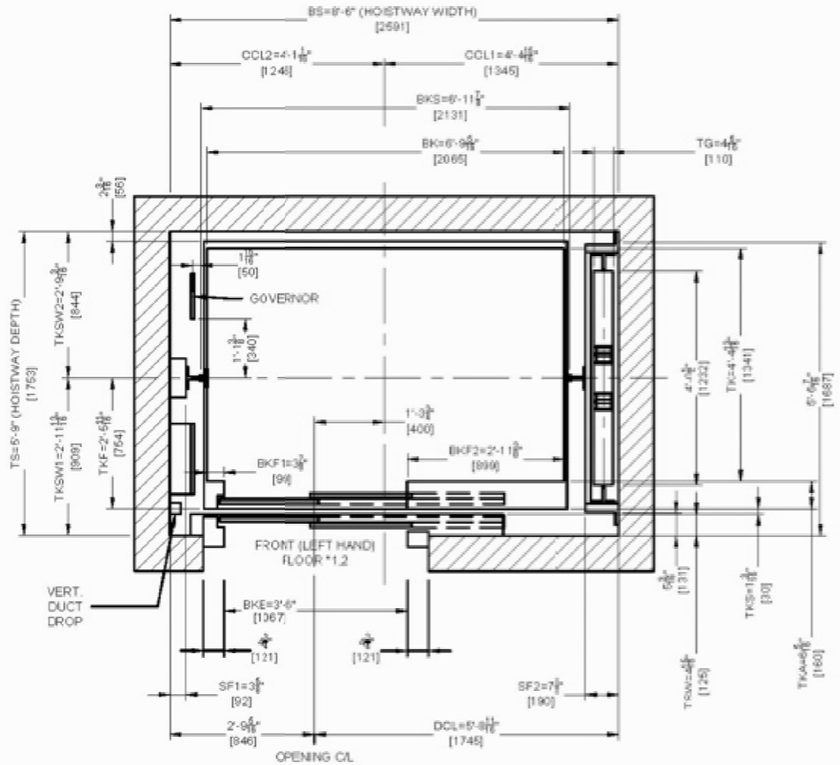
SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

PROJ. NO.
2020 –17– BURLINGTON

Max Bracket Span = 10'-9 15/16" [3300]



ELEVATION DETAIL CAR 01



HATCH PLAN
Scale: 3/4"=1'0"

For Bracket Welding Details reference:
Vertical Tube Steel (VTS) Z_44140065
Horizontal Steel Z_44140069
Steel Divider Beam Z_44106239 and
Z_44130861

RAIL STACK LEGEND - CAR	
SYMBOL	DESCRIPTION
	FISH PLATE
	GUIDE RAIL
	GUIDE RAIL BRACKET
	OPENING

RAIL INFORMATION	
5m (QTY)	2
4	

BRACKET SELECTION		
	TYPE	QTY
CAR SIDE		
Z BRACKET	Z-B-NS	3
CWT SIDE		
TOP L BRACKET	L-NS	1
OMEGA BRACKET	O-NS	2
INT. TIE BRACKET		
DIVIDER BEAM BRKT	N/A	0

NO.	DATE	REVISIONS
2	05/02/23	REVISION TO PERMIT APPLICATION
1	11/14/22	ISSUED FOR PERMIT APPLICATION

SIGNED

Daniel Karpinski
ARCHITECT
167 GLENMOUNT PARK ROAD TORONTO, ON. M4E 2N3
MOBIL: (416) 985-8906 FAX: (416) 691-7993
e-mail: Daniel.Karpinski@Sympatico.ca

LIFT ADDITION
TO EXIST. THREE STORY
APARTMENT BUILDING
1421 ELGIN STR. BURLINGTON

DWG. TITLE
A24 SCHINDLER SHOP DRAWING 11

SCALE	DATE	DRAWN
AS NOTED	OCT 2022	JA

PROJ. NO.
2020 –17– BURLINGTON