D01) GENERAL

D01-1 GENERAL INFORMATION

1. THE INFORMATION PRESENTED ON THESE DRAWINGS HAS BEEN DESIGNED AND ANALYZED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE 2012 (R22) . CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH THIS AND ALL OTHER APPLICABLE CODES.

- 1.1 CONCRETE STRUCTURE DESIGNED IN ACCORDANCE WITH CSA A23.3-14
- 1.2 STEEL STRUCTURE DESIGNED IN ACCORDANCE WITH CAN/CSA-S16-14
- ☐ 1.3 WOOD STRUCTURE DESIGNED IN ACCORDANCE WITH CAN/CSA-086-14
- ☐ 1.4 MASONRY STRUCTURE DESIGNED IN ACCORDANCE WITH CAN/CSA S304-14 2. ALL WORK MUST COMPLY WITH THE PROVISIONS OF THE 2012 (R22) ONTARIO BUILDING CODE, OCCUPATIONAL HEALTH & SAFETY ACT, MUNICIPAL BYLAWS AND BEST CODE PRACTICES. THE CONTRACTOR MUST CONSIDER THAT CONSTRUCTION
- WORK IS DEPENDENT ON SITE CONDITIONS. 3. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METERS, UNLESS INDICATED OTHERWISE.
- 4. GUARDRAILS/HANDRAILS SHALL BE DESIGNED AND CERTIFIED BY THE FABRICATOR'S PROFESSIONAL ENGINEER LICENSED IN ONTARIO IN ACCORDANCE WITH LOADS PROVIDED IN THE OBC 2012 (R22). STAMPED SHOP DRAWINGS TO BE SUBMITTED.
- 5. THE ROOF HAS BEEN DESIGNED FOR THE REQUIRED STORM WATER FLOW RESTRICTION IN ACCORDANCE WITH OBC 2012
- 6. CONTRACTOR IS TO VERIFY/COORDINATE ALL DIMENSIONS/PENETRATIONS WITH
- ARCHITECTURAL/MECHANICAL/ELECTRICAL DRAWINGS PRIOR TO CONSTRUCTION. REPORT INCONSISTENCIES BEFORE PROCEEDING WITH WORK. ANY OPENINGS NOT INDICATED ON STRUCTURAL DRAWINGS ARE TO BE APPROVED BY STRUCTURAL ENGINEER IN WRITING PRIOR TO CONSTRUCTION.
- 7. CAD OR REVIT VERSIONS OF THE STRUCTURAL DRAWINGS SHALL BE MADE AVAILABLE TO THE CONTRACTOR UPON THE COMPLETION OF A RELEASE FORM INDEMNIFYING THE CONSULTANT FROM ANY ERRORS OR OMISSIONS ASSOCIATED WITH
- 8. LADDERS SHALL BE DESIGNED AND CERTIFIED BY THE FABRICATOR'S PROFESSIONAL ENGINEER LICENSED IN ONTARIO IN ACCORDANCE WITH LOADS PROVIDED IN PART 4 AND PART 3 OF THE OBC 2012 (R22). STAMPED SHOP DRAWINGS TO BE
- 9. STEEL STAIRS SHALL BE DESIGNED AND CERTIFIED BY THE FABRICATOR'S PROFESSIONAL ENGINEER LICENSED IN ONTARIO IN ACCORDANCE WITH LOADS PROVIDED IN PART 4 AND PART 3 OF THE OBC 2012 (R22). STAMPED SHOP DRAWINGS TO BE SUBMITTED.
- 10. DEMOLITION DETAILS THAT AFFECT THE STRUCTURAL ELEMENTS HAVE BEEN REVIEWED IN ACCORDANCE WITH THE OBC 2012 (R22). WHERE REQUIRED, SUPPLEMENTARY/TEMPORARY/REMEDIAL FRAMING HAS BEEN PROVIDED

CONSTRUCTED WITHOUT WRITTEN CONFIRMATION OF THESE CONDITIONS BY CONTRACTOR'S ENGINEER.

- 1. SEISMIC RESTRAINT OF ARCH/MECH/ELECT ELEMENTS NOT NOTED ON THE DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR'S ENGINEER. RESTRAINT DETAILS ARE TO BE DEVELOPED IN ACCORDANCE WITH THE OBC 2012 (R22). CONTRACTOR'S ENGINEER IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF SEISMIC RESTRAINTS AND ISOLATIONS AS REQUIRED BY SPECIFICATIONS INCLUDING THE VERIFICATION THAT THE EXISTING/NEW STRUCTURE IS CAPABLE OF SAFELY SUPPORTING THE IMPOSED LOADS IN ACCORDANCE WITH THE OBC 2012 (R22), NO FLEMENTS MAY BE
- 12. NO FOUNDATION ELEMENTS ARE TO BE CONSTRUCTED UNTIL WRITTEN APPROVAL OF THE BEARING SURFACES AND PRESSURES IS PROVIDED BY A GEOTECHNICAL ENGINEER THROUGH ON-SITE INVESTIGATION. FAILURE TO COMPLETE THIS WORK COULD RESULT IN THE REMOVAL/REINSTATEMENT OF ANY/ALL FOUNDATION ELEMENTS AT CONTRACTOR'S OWN
- 12. NEW OPENINGS IN EXISTING/ERECTED CONCRETE/MASONRY ELEMENTS:
- REFER TO MECH/ARCH/ELECT DWGS FOR LAYOUTS.
 SCAN T&B OF SLAB/WALL PRIOR TO REMOVALS. MARK OUT OPENING POSITION ON T&B OF SLAB/E.S. OF WALL.
- CONTACT ENGINEER FOR REVIEW OF SCANS/MARKS PRIOR TO COMMENCEMENT OF ANY DEMOLITION.
 NO WORK TO COMMENCE UNTIL RECEIVING WRITTEN APPROVAL FROM ENGINEER. PROVIDE ADEQUATE PROTECTION OF SURROUNDING AREAS DURING REMOVALS.
- SAWCUT/CORE OUT OPENINGS AS REQUIRED.
- ANY REQUIRED SUPPLEMENTAL STRENGTHENING/REINFORCING IS TO BE ERECTED PRIOR TO REMOVALS
- 13. CONTRACTOR TO PROVIDE PRE-ENGINEERED SHORING AS REQUIRED TO ACCOMMODATE THE CONTRACTOR'S CONSTRUCTION ACTIVITIES AND TO PREVENT DAMAGE TO ANY ADJACENT PROPERTY. ALL CONSTRUCTION ACTIVITIES TO BE LIMITED TO THE LIMITS OF THE CONSTRUCTION SITE AND ALL DAMAGE TO EXISTING PROPERTIES MUST BE REINSTATED.
- 14. CONTRACTOR IS REQUIRED TO SUBMIT CONDUIT AND SLEEVING SHOP DRAWINGS FOR ALL FLOORS/ROOFS/WALLS/COLUMNS PRIOR TO THE ERECTION/CONSTRUCTION/FABRICATION OF ANY OF THESE ELEMENTS. THE DRAWINGS ARE TO LOCATE/DIMENSION THE CLEAR SIZES OF OPENINGS/SLEEVES/CONDUITS IN PLAN (FLOORS/ROOFS/COLUMNS) AND ELEVATION (WALLS/BEAMS). THE COORDINATION OF THE VARIOUS DISCIPLINES/SUBTRADES TO ENSURE ALL ITEMS ARE CLEARLY INDICATED IS THE SOLE RESPONSIBILITY OF THI CONTRACTOR. DRAWINGS ARE TO BE SUBMITTED A MINIMUM OF 4 WEEKS PRIOR TO THE CONSTRUCTION OF THE AFFECTED ELEMENT.
- 15. DO NOT SCALE DIMENSIONS DIRECTLY FROM THESE DRAWINGS OR ELECTRONIC FILES.
- 16. SPECIFIC NOTES AND DETAILS FOUND ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND
- 17. DO NOT LOAD HEAVY MATERIALS SUCH AS MASONRY, FILL, GRAVEL, DRYWALL, ETC. ON FLOORS, TERRACES OR ROOFS WITHOUT ADEQUATE ADDITIONAL SUPPORTS - SUBMIT DETAILS TO ENGINEER FOR REVIEW.

0.75 kPa

SNOW: 1.72 kPa

D01-2 GRAVITY LOADS:

DESIGN LOADS	
(IMPOSED ON F	DUNDATIONS FROM WOOD SUPERSTRUCTURE)
ROOF:	DEAD:

		BOT. CORD:	0.50 kPa
FLOOR (1ST & 3RD):	DEAD:		1.50 kPa
	LIVE:	RESIDENTIAL: EXIT LANDING:	
FLOOR (2ND):	DEAD:		1.75 kPa
	LIVE:	RESIDENTIAL:	1.92 kPa
BALCONIES:	DEAD:		0.50 kPa
	LIVE		1 02 kPa

D01-5 DEFINITIONS:

THE FOLLOWING ABBREVIATIONS HAVE BEEN USED IN THESE NOTES AND DRAWINGS:

@ ARCH. B BLL BUL C/C C CONT. CW EA. EE EF EL. ES EW FF H	AT (SPACING c/c) ARCHITECTURAL BOTTOM BOTTOM LOWER LAYER BOTTOM UPPER LAYER CENTRE TO CENTRE CENTRE LINE CONTINUOUS CORE WALL EACH EACH END EACH FACE ELEVATION EACH SIDE EACH WAY FAR FACE HORIZONTAL	mm MAX. MECH MIN. NF NTS OF PCO % SMR SW T TLL TUL TOPC TYP.	MILLIMETRES MAXIMUM MECHANICAL MINIMUM NEAR FACE NOT TO SCALE OUTSIDE FACE PILE CUT-OFF PLATE STANDARD GALVANIZED LADDER MASONRY REINFORCEMENTS SHEARWALL TOP TOP LOWER LAYER TOP UPPER LAYER TOP OF PILE CAP TYPICAL
H HDMR	HORIZONTAL HEAVY DUTY GALVANIZED TRUSS TYPE MASONRY REINFORCEMENT	U/N UL	UNLESS OTHERWISE NOTED UPPER LAYER
IF LL m	INSIDE FACE LOWER LAYER METRES	U/S V	UNDERSIDE VERTICAL

- 1. SUBMIT SHOP DRAWINGS FOR ALL STRUCTURAL WORK AND ANY WORK AFFECTING THE STRUCTURE TO THE CONSTRUCTION MANAGER. OBTAIN ARCHITECT'S & ENGINEER'S APPROVAL BEFORE PROCEEDING WITH THE FABRICATION.
- 2. EACH OF THE FOLLOWING SHOP DRAWINGS MUST BEAR THE SIGNATURE AND STAMP OF A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE (PLUS OTHER DRAWINGS AS NOTED).
- DRAWINGS FOR ANY TEMPORARY WORK. b) DRAWINGS FOR ANY STRUCTURAL PARTS DESIGNED BY THE CONTRACTOR'S FORCES INCLUDING EXTERIOR BUILDING
- c) STRUCTURAL STEEL.
- e) ENGINEERED WOOD ROOF AND FLOOR TRUSS/ JOISTS
- 3. SHOP DRAWINGS MUST BE REVIEWED AND STAMPED REVIEWED BY THE CONTRACTOR BEFORE ISSUING TO THE ARCHITECT/ENGINEER. SHOP DRAWINGS NOT STAMPED BY THE CONTRACTOR WILL BE REJECTED. ANY DELAYS IN THE CONSTRUCTION SCHEDULE DUE TO NONCOMPLIANCE WITH THIS REQUIREMENT SHALL BE THE RESPONSIBILITY OF THE
- 4. SUBMIT STRUCTURAL STEEL, STEEL JOIST AND STEEL DECK SHOP DRAWINGS FOR STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION. ALL SHOP DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF
- 5. SHOP DRAWINGS ARE REVIEWED FOR CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THIS REVIEW DOES NOT IMPLY APPROVAL OF THE DETAILED DESIGN OR QUANTITIES DESCRIBED IN THE SHOP DRAWINGS. THE RESPONSIBILITY FOR THE QUANTITIES AND DETAILED DESIGN OF THE MATERIALS AND COMPONENTS AS REQUIRED TO PROVIDE THE COMPLETE AND SATISFACTORY JOB DESCRIBED IN THE DESIGN DOCUMENTS REMAINS WITH THE CONTRACTOR.

D31) FOUNDATIONS:

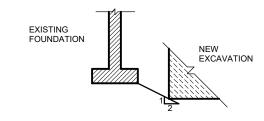
ALL FOOTINGS TO BEAR ON UNDISTURBED NATIVE MATERIAL WITH MINIMUM ALLOWABLE BEARING STRENGTHS AS NOTED AND APPROVED BY GEOTECHNICAL ENGINEER ON SITE. REFERENCE GEOTECHNICAL REPORT: OTT-00243143-A0 (DATED: MARCH 2020) REPORT AUTHOR: EXP SERVICES INC.

D31-2 EXCAVATION, FOUNDATIONS AND BACKFILL

- PRIOR TO ANY EXCAVATION, VERIFY LOCATION OF EXISTING SERVICES AND TAKE ALL NECESSARY MEASURES TO MAINTAIN SERVICES WHERE REQUIRED. NOTIFY OWNER AND ENGINEER IF ANY SERVICES NOT SHOWN ON PLAN OR OTHERWISE EXPECTED ARE ENCOUNTERED. DO NOT PROCEED FURTHER UNTIL DIRECTED.
- 2. CARE MUST BE TAKEN TO AVOID UNDERMINING EXISTING BUILDING FOUNDATIONS OR UNDERGROUND SERVICES.
- 3. PROTECT SUB-GRADE FROM FREEZING AND FROST ACTION AT ALL TIMES DURING CONSTRUCTION.
- 4. FOOTINGS MUST BEAR ON APPROVED BEARING SURFACES.
- 5. BACKFILL TO WITHIN 200mm OF UNDERSIDE OF SLAB WITH GRANULAR 'B' TYPE II IN LAYERS UP TO 12" THICK, COMPACTED TO MINIMUM 100% SPMDD OR AS PER GEOTECHNICAL REPORT.
- 6. FINAL 200mm UNDER SLAB TO BE GRANULAR 'A' COMPACTED TO MINIMUM 100% SPMDD OR AS PER GEOTECHNICAL REPORT.
- 7. RE-USE OF EXCAVATED GRANULAR MATERIAL IS SUBJECT TO APPROVAL OF GEOTECHNICAL

D31-3 PROTECT LATERAL STABILITY OF BEARING STRATA UNLESS NOTED:

UNLESS OTHERWISE OUTLINED IN GEOTECHNICAL REPORT DO NOT EXCAVATE BELOW A LINE EXTENDING DOWNWARD FROM ANY BEARING STRATA AT A SLOPE OF 1 VERTICAL TO 2 HORIZONTAL. ADJUST FOOTING AND TRENCH ELEVATIONS TO MEET THIS REQUIREMENT (SEE DIAGRAM).



LOCATIONS OF FOOTING STEPS TO BE APPROVED BY ENGINEER IN WRITING PRIOR TO CONSTRUCTION.

NOTES:

1 IF 'D' EXCEEDS 1800 PROVIDE

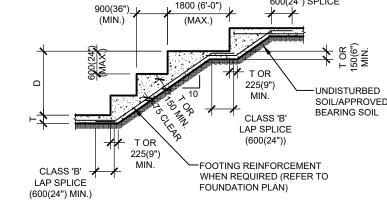
AS A SINGLE UNIT.

HORIZONTAL SECTIONS OF 1200

MINIMUM LENGTH BETWEEN EVERY

STEPPED FOOTINGS SHALL BE CAST

. 'T' DENOTES FOOTING THICKNESS.



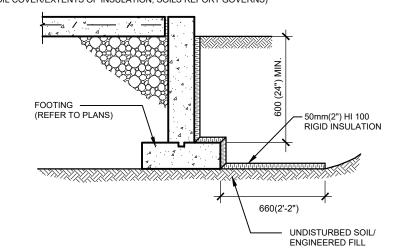
D31-5 MINIMUM FROST COVER REQUIREMENTS:

(NOTE: INCREASE DEPTHS AS REQUIRED BY GEOTECHNICAL REPORT/ENGINEER)



D31-6 ALTERNATE FROST COVER DETAIL

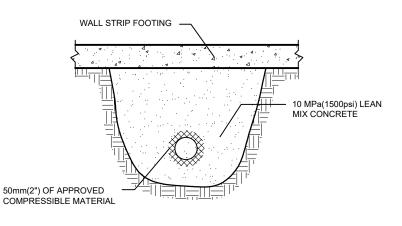
(NOTE: ONLY TO BE USED AFTER WRITTEN APPROVAL BY ENGINEER/WHERE GEOTECHNICAL REPORT REQUIRES MORE SOIL COVER/EXTENTS OF INSULATION, SOILS REPORT GOVERNS)



PROVIDE A COMBINATION OF SOIL COVER TO TOP OF FLAT RIGID INSULATION PLUS FLAT RIGID INSULATION EXTENSION EQUAL TO OR GREATER THAN 8'-0" AT ACCESSORY BUILDINGS, AS PER GEOTECH REPORT

D31-7 PIPE CROSSING BELOW STRIP FOOTING:

(NOTE: LOCATIONS WHERE PIPES CROSS BELOW FOOTINGS ARE TO BE APPROVED BY ENGINEER IN WRITING PRIOR TO CONSTRUCTION. ENGINEER RESERVES THE RIGHT TO RELOCATE PIPES AS REQUIRED OR LOWER FOOTINGS TO SUIT.)



D03) CONCRETE

D03-1 CONCRETE COVER (CLEAR TO REINFORCING):

U/S FOOTINGS, PILE CAPS, GRADE BEAMS (AGAINST SOIL) FOOTINGS, PILE CAPS, GRADE BEAMS (SIDES & TOP) WALLS SLABS BEAMS COLUMNS	75mm (3") 50mm (2") 40mm (1½") 25mm (1") U/N 40mm (1½") (TO STIRRUPS) 40mm (1½") (TO TIES)
BALCONIES	40mm (1½") (TO TOP STEEL)

PROVIDE 32mm (1½") COVER FOR BOTTOM STEEL FOR SLAB ABOVE 3HR, FIRE RATED AREAS. PROVIDE 50mm (2") COVER FOR COLUMN TIES IN 3HR, FIRE RATED AREAS.

- 1. REINFORCING STEEL TO BE IN ACCORDANCE WITH CAN/CSA G30.18, GRADE 400W.
- 2. EPOXY COATING TO BE IN ACCORDANCE WITH ASTM A775 / A775M, WHERE SPECIFIED.
- 3. WELDED STEEL WIRE FABRIC TO BE IN ACCORDANCE WITH CSA G30.5. PROVIDE IN FLAT SHEETS ONLY
- 4. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED, PLACED AND SUPPORTED IN ACCORDANCE WITH THE REINFORCING
- STEEL INSTITUTE OF CANADA MANUAL OF STANDARD PRACTICE AND CSA A23.3 UNLESS INDICATED OTHERWISE. 5. UNLESS INDICATED OTHERWISE, REINFORCEMENT TO BE EXTENDED INTO ADJACENT CONCRETE ELEMENTS AND DEVELOPED
- WITH A STANDARD HOOK OR LAP SPLICE. PROVIDE DOWELS TO MATCH VERTICAL REINFORCEMENT IN ALL PIERS, COLUMNS,
- 6. DO NOT ELIMINATE OR DISPLACE REINFORCEMENT TO ACCOMMODATE HARDWARE. IF INSERTS CANNOT BE LOCATED AS SPECIFIED, OBTAIN APPROVAL OF ALL MODIFICATIONS FROM STRUCTURAL ENGINEER BEFORE PLACING CONCRETE.
- 7. SPLICE REINFORCEMENT AS INDICATED ON STRUCTURAL DRAWINGS OR OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER.
- 8. WHERE TENSION LAPS ARE SPECIFIED, LAP SPLICE REINFORCING STEEL IN ACCORDANCE WITH CSA A23.3. ALL OTHER LAPS AND EMBEDMENT OF DOWELS SHALL BE MINIMUM 24 BAR DIAMETERS AND 600mm (24") (WHICHEVER IS GREATER).
- 9. MINIMUM WIRE MESH LAPS SHALL BE 150mm (6").

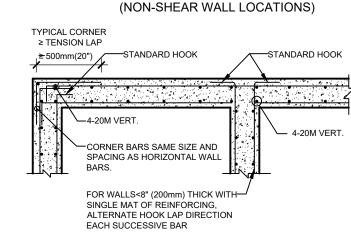
D03-7 MINIMUM WALL REINFORCING:

1. UNLESS OTHERWISE NOTED, PROVIDE THE FOLLOWING MINIMUM REINFORCING

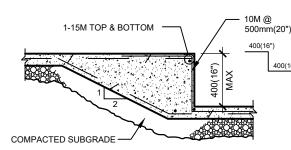
ESS OTHERWI	SE NOTED, PROVIDE THE FO	DLLOWING MINIMUM REINFO	ORCING:
LL	VERTICAL	HORIZONTAL	VERTICAL
CKNESS	BARS (.0025Ag)	BARS (.0025Ag)	EACH END
mm(6")	10M @ 250(10")	10M @ 250(10")	1-15M
mm(8")	15M @ 400(16")	15M @ 400(16")	1-20M
mm(10")	10M @ 300(12") E.F.	10M @ 300(12") E.F.	2-20M
mm(12")	10M @ 250(10") E.F.	10M @ 250(10") E.F.	2-20M
mm(14")	15M @ 450(18") E.F.	15M @ 450(18") E.F.	2-25M
mm(16")	15M @ 400(16") E.F.	15M @ 400(16") E.F.	2-25M

2. REINFORCEMENT AT ALL CORNERS SHALL BE EFFECTIVELY CONTINUOUS - USE HOOKED BARS AND TENSION LAP SPLICES.

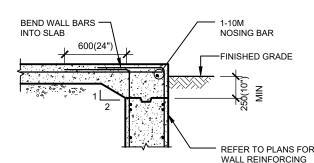
D03-8 HORIZONTAL WALL STEEL DETAIL AT CORNERS U/N:



D03-9 SLAB ON GRADE ELEVATION CHANGE U/N



D03-7 SLAB ON GRADE AT DOORS:



D03-17 CONCRETE MIXES

PROPORTION NORMAL DENSITY CONCRETE IN ACCORDANCE WITH CAN/CSA-A23.1, TO GIVE THE FOLLOWING QUALITY FOR

CLASS OF EXPOSURE
LXI OSUNL
N
C-2
F-2
C-2
C-1
C-1

*NOTE: ALL CONCRETE EXPOSED TO EXTERIOR CONDITIONS TO HAVE MINIMUM 6% AIR ENTRAINMENT. READY-MIXED CONCRETE AND CONCRETE PROPORTIONS SHALL BE IN ACCORDANCE WITH CSA A23.1, CLAUSE 12 AND AS

- 1. MINIMUM ALLOWABLE COMPRESSIVE STRENGTH SHALL BE 30 MPa(4400psi) AT 28 DAYS OF AGE, UNLESS OTHERWISE NOTED OR SHOWN.
- 2. IF BLENDED NORMAL PORTLAND CEMENT/CEMENTITIOUS HYDRAULIC SLAG IS USED EXCEPT FOR FLOOR MIXES, SLAG CONTENT SHALL NOT BE MORE THAN 25% OF TOTAL MASS OF CEMENT. TOTAL VOLUME OF CEMENT IN CONCRETE FLOOR MIXES SHALL BE 100% NORMAL PORTLAND CEMENT.
- 3. PROVIDE CERTIFICATION THAT MIX PROPORTIONS SELECTED WILL PRODUCE CONCRETE OF SPECIFIED QUALITY AND YIELD AND THAT STRENGTH WILL COMPLY WITH CSA-A23.1-14.
- 4. USE OF CALCIUM CHLORIDE ADMIXTURES NOT PERMITTED.
- 5. DO NOT CHANGE CONCRETE MIX WITHOUT PRIOR APPROVAL OF CONSULTANT. SHOULD CHANGE IN MATERIAL SOURCE BE PROPOSED, NEW MIX DESIGN TO BE APPROVED BY CONSULTANT.

D04-7 LOOSE LINTEL SCHEDULE - 90mm(31/2") BRICK MASONRY:

LOOSE LINTEL SCHEDULE

- SPANS < 1200(48") L 90x90x6 4 (L3½"x3½"x½") SPANS < 1800(72") L 102x90x7.9 (L4"x31/2"x5/16")
- SPANS < 2400(96") L 127x90x7.9 (L5"x3½"x5√6") SPANS < 3000(120") L 152x102x10 (L6"x4"x3/8")

PROVIDE LOOSE LINTELS ABOVE ALL MASONRY CLADDING OPENINGS U/N. ALL LOOSE LINTELS TO BE HOT DIPPED GALVANIZED U/N.

	FOOTIN	IG SCHEDULE
MARK	SIZE (LxWxT)	NOTES
F1	38"x38"x10"	3-15M B.E.W.
F2	40"x40"x10"	3-15M B.E.W.
F3	48"x46"x10"	4-15M B.E.W.
F4	52"x52"x10"	4-15M B.E.W.
SF1	24"x10"	3-15M BOT. LONG 15M @ 300 BOT. SHORT
SF2	28"x10"	3-15M BOT. LONG 15M @ 300 BOT. SHORT
SF3	32"x10"	4-15M BOT. LONG 15M @ 300 BOT. SHORT

- PROVIDE MINIMUM 1500(5'-0") FROST COVER TO ALL FOOTINGS EXPOSED TO EXTERIOR CONDITIONS U/N ON DRAWINGS/GEOTECHNICAL REPORT.
- CONCRETE STRENGTH: fc' = 25 MPa U/N.

BELOW OPENINGS.

TOPS OF INTERIOR FOOTINGS/WALLS/PIERS TO BE A MINIMUM OF 300(12") BELOW THE TOP OF THE SLAB ON GRADE. STEP DOWN INTERIOR FOOTINGS TO EXTERIOR FOOTINGS AS REQUIRED. FINAL BEARING ELEVATIONS TO BE BASED ON GEOTECHNICAL REPORT DATA U/N.

	FOUNDATIO	N WALL SCHEDULE
MARK	SIZE	REINFORCING
FW1	8" WIDE	15M @ 400 E.W.
NOTES: 1. SEE GENERAL NOTES FOR ADDITIONAL REINFORCING DETAILS.		

PROVIDE ADDITIONAL 2-15M VERT. EA. SIDE OF OPENINGS AND 2-15M HORIZ.

REFER TO ARCHITECTURAL DRAWINGS FOR FOUNDATION WALL HEIGHTS.

PIER SCHEDULE			
RK	SIZE	REINFORCING	
	14"x14"	4-10M VERT. 1-10M TIE T&B	° 79
2	24"x24"	8-20M VERT. 3-10M TIES @ 300 o.c.	S
3	32"x32"	8-20M VERT. 3-10M TIES @ 300 o.c.	© 0 /9 E 3
ļ	36"x44"	8-20M VERT. 3-10M TIES @ 300 o.c.	©
TES: TOPS OF INTERIOR PIERS TO BE @ 300(12") BELOW THE TOP OF THE SLAB ON GRADE			

- PIER DIMENSIONS ARE TO BE CENTRED ON SUPPORTED COLUMNS (U.N.O.).
- INCREASE CONCRETE SIZE TO SUIT FOUNDATION WALL OFFSETS. VERTICAL BARS IN PIERS MAY BE LAPPED WITH COMPRESSION LAPS WHERE NO BRACE/MOMENT FRAMES ARE PRESENT. WHERE BRACE/MOMENT FRAMES ARE PRESENT VERTICAL BARS ARE TO EXTEND TO FULL HEIGHT ABOVE FOOTING TO TOP OF PIERS (NO LAPS ARE PERMITTED UNLESS APPROVED BE ENGINEER IN WRITING). CLASS 'B' TENSION LAPS (MIN. 1.5 Id)

4. AT THE TOPS OF PIERS, A MIN OF 2 LAYERS OF 10M CLOSED TIES SHALL BE

MAY BE USED WHERE HEIGHT OF PIER EXCEEDS 2400(8'-0").

LOCATED WITHIN 125mm OF TOP OF PIER



DATE

PROJECT NORTH





AUG 08, 2024 ISSUED FOR CONSTRUCTION

REVISIONS

1 | FEB 05, 2024 | ISSUED FOR PERMIT

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8 UNIT APARTMENT BUILDING

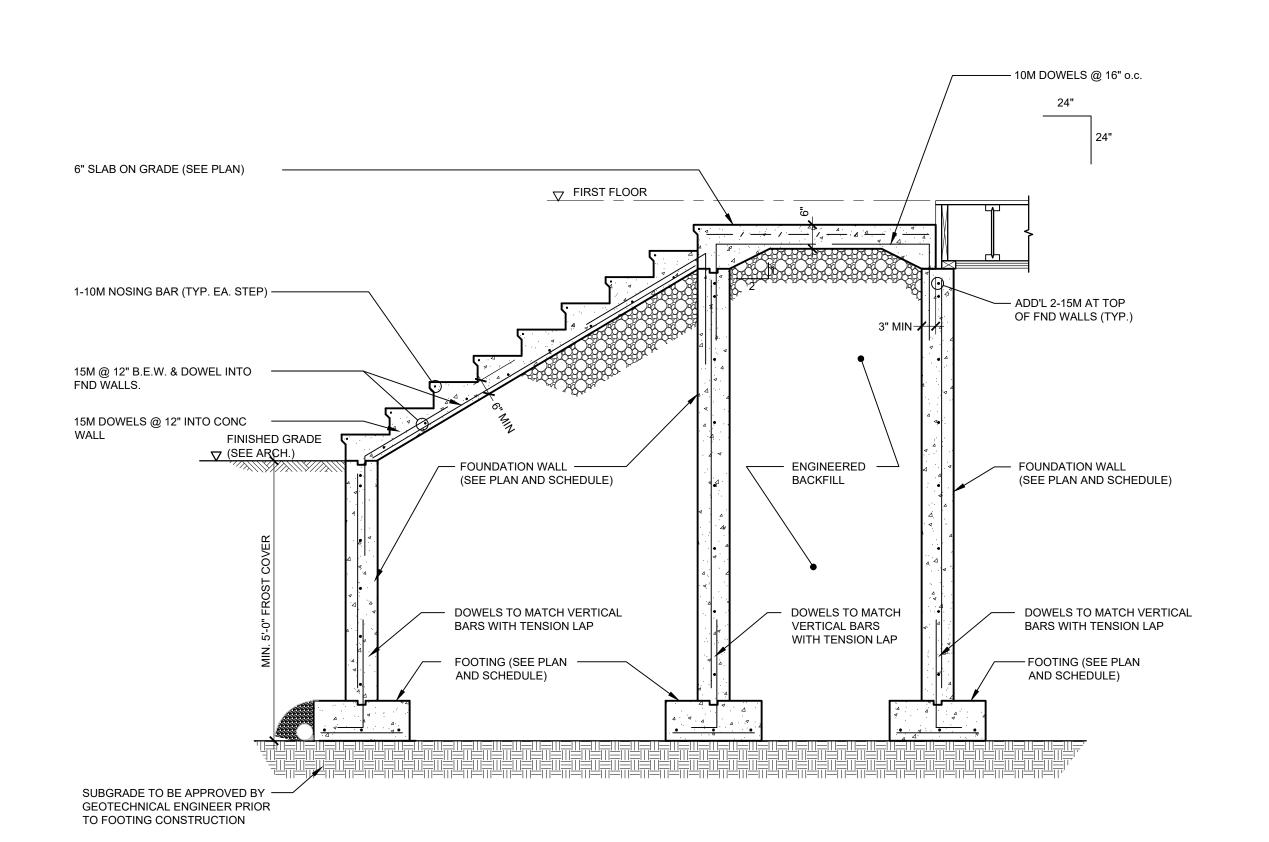
THE JUNCTION - BUILDING 7 OTTAWA, ONTARIO

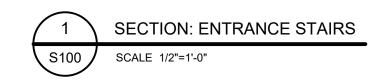
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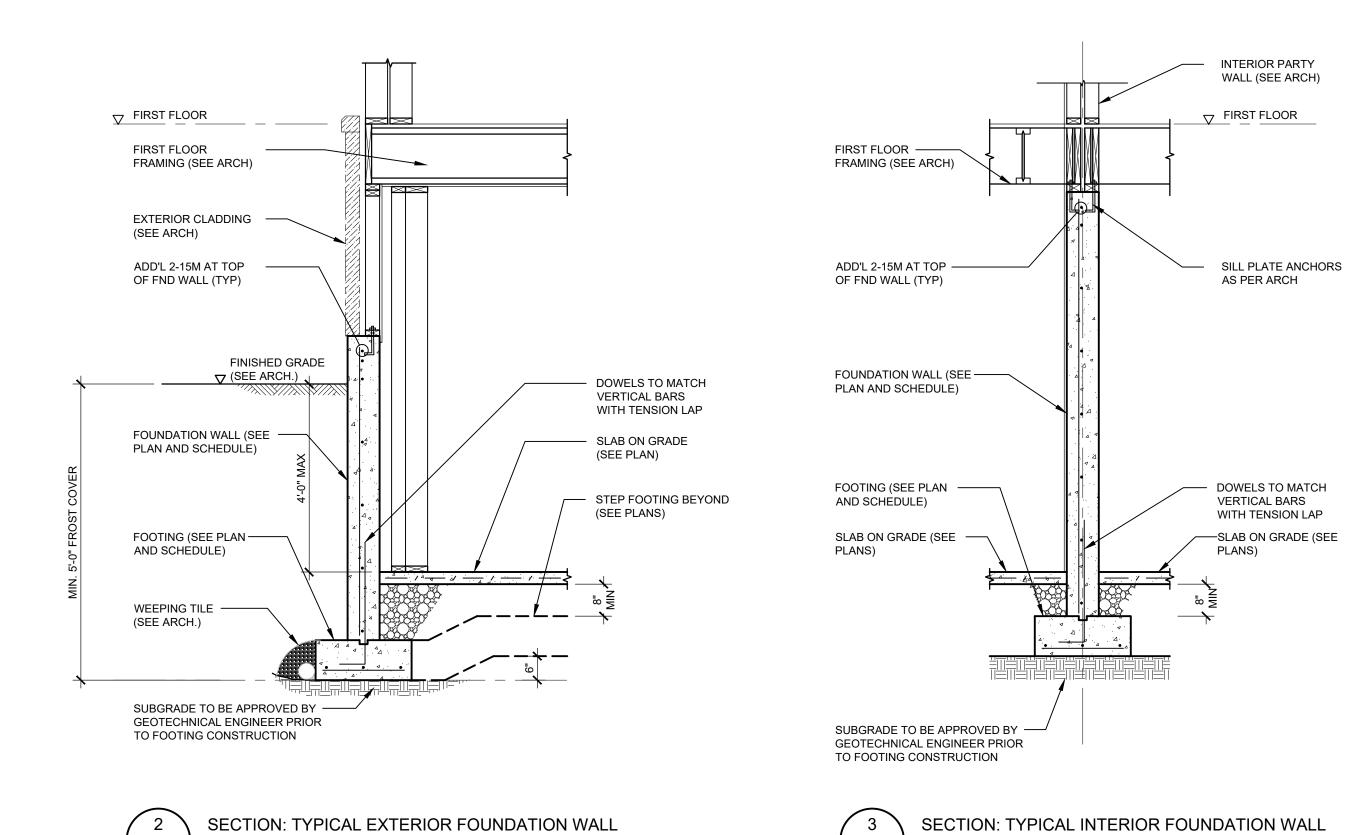
GENERAL NOTES AND DETAILS

A.D DESIGNED: A.R JAN/ 2023 AS INDICATED

20-0038

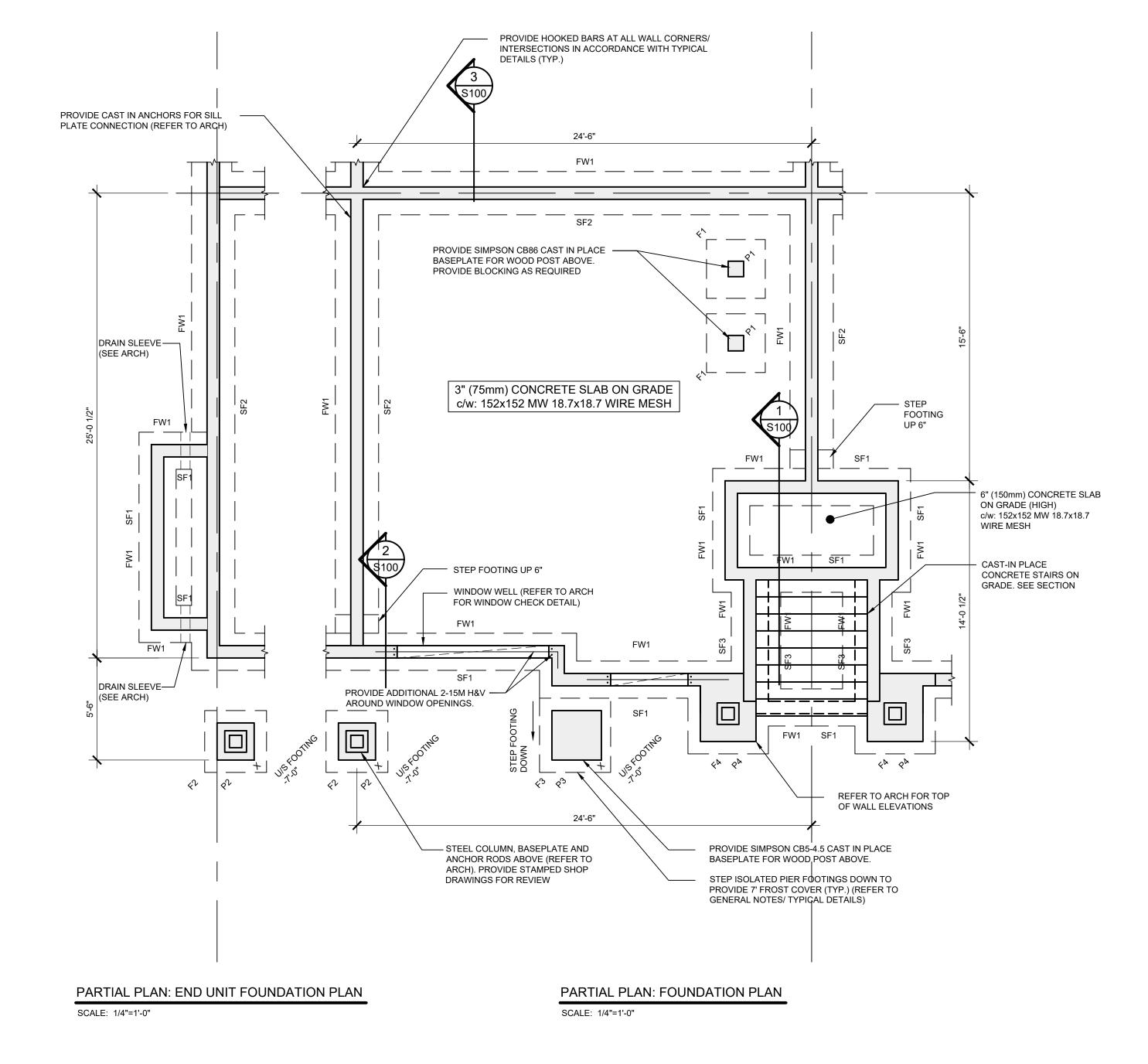






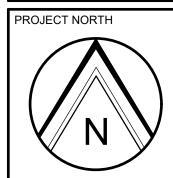
SCALE 1/2"=1'-0"

SCALE 1/2"=1'-0"



2 AUG 08, 2024 ISSUED FOR CONSTRUCTION 1 FEB 05, 2024 SSUED FOR PERMIT DATE REVISIONS PROJECT NORTH

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THE JUNCTION - BUILDING 7 OTTAWA, ONTARIO

PROJECT No:

FOUNDATION PLAN AND SECTIONS

A.D DESIGNED: A.R JAN/ 2023 AS INDICATED

20-0038