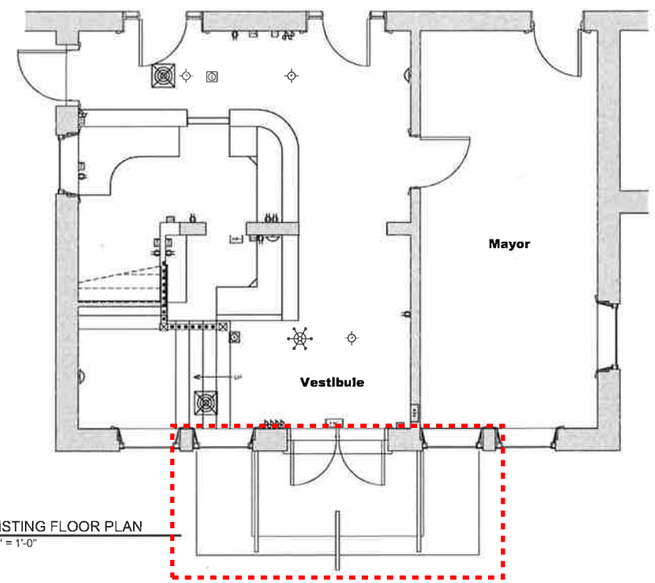
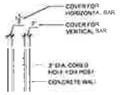
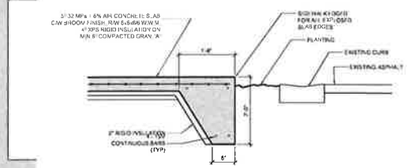
Attachment No. 1



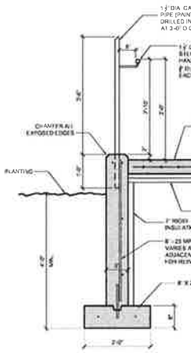
EXISTING FLOOR PLAN
1/4" = 1'-0"



TYP. TOP OF WALL
1/2" = 1'-0"



2 A2.0 TYP.SIDEWALK EDGE DETAIL
1/2" = 1'-0"



1 A2.0 RETAINING WALL SECTION
1/2" = 1'-0"

GENERAL NOTES:

1. UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE FOLLOWING NOTES SHALL GOVERN.
2. ALL WORK ON THIS PROJECT SHALL CONFORM TO THE ONTARIO BUILDING CODE AS IN EFFECT JANUARY 2026 (OBC 2012 (2020)), ANY LOCAL REGULATIONS AND BYLAWS, AND THE CURRENT OCCUPATIONAL HEALTH AND SAFETY ACT (OHSA) AND CURRENT REGULATIONS FOR CONSTRUCTION PROJECTS. ALL CODES AND STANDARDS SHALL BE THOSE REFERENCED IN OBC 2012 (2020).
3. ALL STANDARDS ARE TO BE THE YEAR, EDITIONS, DOCUMENT NUMBERS, ETC AS PER OBC 2012 (2020 DIVISION B, 1.1.3.1.2 WHERE DISCREPANCIES EXIST BETWEEN OUR DRAWINGS AND 1.1.3.1.2, THE TABLE SHALL GOVERN UNLESS NOTED OTHERWISE.
4. THIS SET OF DRAWINGS SUPERCEDES AND REPLACES ALL PREVIOUS DRAWINGS.
5. READ THESE DRAWINGS IN CONJUNCTION WITH ALL RELATED CONTRACT DOCUMENTS AND ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
6. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND MEASUREMENTS AT THE SITE AND VERIFY ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS. REPORT TO THE ENGINEER ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE PROJECT BEFORE PROCEEDING WITH THE WORK.
7. IF ANY STRUCTURAL DISCREPANCIES ON THE DRAWINGS EXIST, THE MOST STRINGENT SHALL APPLY.
8. DRAWINGS ARE NOT TO BE SCALED.
9. CONSTRUCTION AND SHOP DRAWING REVIEW MUST BE PROVIDED AS PER CODE.
10. SUBMIT SHOP DRAWINGS AS PER TABLE 1. SHOP DRAWINGS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER WHERE REQUIRED AND REVIEWED BY THE CONTRACTOR FOR DIMENSIONAL CORRELATION WITH THE DRAWINGS AND FIELD CONDITIONS PRIOR TO SUBMITTING TO TACOMA ENGINEERS. FABRICATION OF ELEMENTS ON SHOP DRAWINGS MAY NOT PROCEED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED BY TACOMA ENGINEERS. REVIEW OF SHOP DRAWINGS IS FOR GENERAL CONFORMANCE TO THE DESIGN CONCEPT ONLY. REVIEW SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF RESPONSIBILITY FOR MAKING THE WORK ACCURATE AND IN CONFORMITY WITH THE PROJECT DOCUMENTS. WHERE THERE IS A DISCREPANCY BETWEEN THE SHOP DRAWINGS AND THE PROJECT DOCUMENTS, THE PROJECT DOCUMENTS SHALL GOVERN.
11. CONSTRUCTION LOADING SHALL NOT EXCEED THE SPECIFIED DESIGN LOADS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR CONSTRUCTION LOADS AND TEMPORARY BRACING TO KEEP STRUCTURE PLUMB AND IN TRUE ALIGNMENT AT ALL PHASES OF CONSTRUCTION. ANY BRACING MEMBERS SHOWN ON THE DRAWINGS ARE REQUIRED FOR THE FINISHED STRUCTURE AND MAY NOT BE SUFFICIENT FOR ERECTION PURPOSES.
12. OBC 2012 (2020 DIVISION C SECTION 1.2.2 REQUIRES GENERAL REVIEW OF THE CONSTRUCTION BY THE DESIGN PROFESSIONAL. TACOMA ENGINEERS SHALL BE GIVEN A MINIMUM OF 48 HOURS NOTICE AT (519)763-2000 (GUELPH) BY THE CONTRACTOR FOR THE FOLLOWING REQUIRED CONSTRUCTION REVIEWS:
    A. FOUNDATIONS – PRIOR TO POURING FOOTINGS AND FOUNDATION WALLS.
    B. FINAL – UPON COMPLETION OF ALL STRUCTURAL ELEMENTS
13. RETAIN A CERTIFIED INDEPENDENT TESTING OR INSPECTION COMPANY FOR TESTING & INSPECTION FOR THE ITEMS IN TABLE 2.

TABLE 1: SHOP DRAWING SUBMITTALS

ITEM	REQUIRED SUBMITTAL?	ENGINEER'S STAMP REQ'D?	NOTES
CONCRETE MIX DESIGN	YES	NO	
REINFORCING STEEL	YES	NO	
MISC. METAL (INCLUDING GUARDS & HANDRAILS)	YES	YES	

TABLE 2: REQUIRED TESTING & INSPECTION

RESULTS SHALL BE SUBMITTED DIRECTLY TO TACOMA ENGINEERS FROM THE TESTING COMPANY, FOR REVIEW

ITEM	REQ'D	NOTES
SOIL BEARING CAPACITY	YES	BY SOILS ENGINEER
SOIL COMPACTION	YES	BY SOILS ENGINEER
CONCRETE COMPRESSIVE TESTS	YES	MIN. 3 TEST, SEE CONCRETE NOTES
CONCRETE AIR ENTRAINMENT	YES	
CONCRETE SLUMP	NO	

ARCHITECTURAL SPECIFICATIONS

1. PAINT & COATINGS
   1.1. FOR ALL GALVANIZED METAL POSTS, RAILINGS AND OTHER MISCELLANEOUS METALS USE: TILE FOLLOWING PRIMER & PAINT BY SHERWIN WILLIAMS OR APPROVED EQUAL:
      1.1.1. PRIMER: PROMINDUSTRIAL PRO-CRYL UNIVERSAL PRIMER PRIMARY ALL SURFACES TO MEET MANUFACTURER'S REQUIREMENTS.
      1.1.2. FINISH COATS (2X): B70-INDUSTRIAL WATER BASED CATALYZED EPOXY.
      1.1.3. COLOURS: TO BE CONFIRMED WITH ARCHITECT PRIOR TO SETTING OUT OF WORK.
      1.1.4. PAINT TO BE APPLIED BY ROLLER ONLY.
2. CONCRETE FINISHES
   2.1. ALL EXPOSED CONCRETE WALLS TO BE PROVIDED WITH THE FOLLOWING ARCHITECTURAL CONCRETE FINISH: SMOOTH - RUBBED AS PER CSA A23.1 FINISH 2.
   2.2. ALL EXPOSED CONCRETE FLATWORK TO BE PROVIDED WITH THE FOLLOWING FINISH: BROOM FINISH WITH TOOLED EDGES. BROOMING TO OCCUR IN DIRECTION OF TRAVEL ON RAMP AND LANDINGS, BROOM MARKS ARE TO BE STRAIGHT AND SQUARE WITH ALL COMPONENTS.
3. RIGID INSULATION
   3.1. ALL BELOW GRADE RIGID INSULATION TO BE XPS TO THICKNESS SHOWN ON DRAWINGS.
   3.1.1. ACCEPTABLE MANUFACTURERS: DOW FOAMSHIELD BRAND SQUARE EDGE BY DUPONT OR APPROVED EQUAL.

FOUNDATIONS

1. NO GEOTECHNICAL REPORT HAS YET BEEN SUPPLIED FOR THIS PROJECT. ALL BEARING PRESSURES HAVE BEEN ASSUMED AND MUST BE VERIFIED ON SITE, PRIOR TO PLACING FOOTINGS (PREFERABLY PRIOR TO COMMENCING CONSTRUCTION).
2. DESIGN BEARING PRESSURES ON UNDISTURBED NATIVE SOIL ON APPROVED ENGINEERED FILL ARE AS FOLLOWS:

S.L. kPa (psf)	U.L. kPa (psf)	LOCATIONS
150 (3000)	225 (4500)	ALL FOOTINGS

3. SOFT AREAS UNCOVERED DURING EXCAVATION SHALL BE SUB-EXCAVATED TO SOUND MATERIAL AND FILLED WITH CLEAN, FREE DRAINED GRANULAR SOIL COMPACTED TO 100% STANDARD PROCTOR DRY DENSITY (SPDD), PLACED UNDER THE DIRECTION AND SUPERVISION OF A GEOTECHNICAL ENGINEER.
4. SOIL BEARING CAPACITY SPECIFIED MUST BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO THE PLACING OF FOUNDATIONS. ANY NON-CONFORMANCE WITH THE SPECIFIED MINIMUM CAPACITIES MUST BE IMMEDIATELY REPORTED TO THE STRUCTURAL ENGINEER.
5. LOCATE ALL FOOTINGS AND PIERS CENTRALLY UNDER COLUMNS AND WALLS UNLESS NOTED OTHERWISE.
6. PLACE FOOTINGS WHICH ARE EXPOSED TO FREEZING WEATHER A MINIMUM OF 1200mm (48") BELOW FINISHED GRADE UNLESS SPECIFIED OTHERWISE.
7. DO NOT EXCEED A RISE OF 7 AND A RUN OF 10 IN THE LINE OF SLOPE BETWEEN ADJACENT FOOTING EXCAVATIONS OR ALONG STEPPED FOOTINGS. USE STEPS NOT EXCEEDING 600mm (24") IN HEIGHT AND NOT LESS THAN 1200mm (48") IN LENGTH.
8. MAINTAIN UNSUPPORTED SIDES OF EXCAVATION ONLY IF SAFE INCLINATION OF THE SIDES OF THE EXCAVATION IS PROVIDED IN ACCORDANCE WITH THE SOIL ENGINEERS RECOMMENDATIONS. IF REQUIRED, ERECT, MAINTAIN, AND REMOVE A SUPPORTING SHORING SYSTEM ALONG THE SIDES OF THE EXCAVATION, DESIGNED BY A PROFESSIONAL ENGINEER, IN ACCORDANCE WITH THE SOILS REPORT AND OHSA.
9. PROTECT SOIL FROM FREEZING ADJACENT TO AND BELOW ALL FOOTINGS.
10. BACK FILL AGAINST FOUNDATION WALL IN SUCH A MANNER THAT THE LEVEL OF BACKFILLING ON ONE SIDE OF THE WALL IS NEVER MORE THAN 450mm (18") HIGHER THAN THE LEVEL ON THE LOWER SIDE OF THE WALL, EXCEPT WHERE TEMPORARY SUPPORT FOR THE WALL IS PROVIDED OR WALLS ARE DESIGNED FOR SUCH UNEVEN PRESSURES.
11. SHOULD UNDERGROUND WATER BE ENCOUNTERED, PROVIDE DEWATERING FACILITIES TO KEEP WATER LEVEL BELOW FOOTINGS, REFER TO SOIL ENGINEERS RECOMMENDATIONS FOR REMEDIAL MEASURES.

CONCRETE

1. ALL REINFORCED CONCRETE ELEMENTS ARE DESIGNED IN ACCORDANCE WITH CAN/CSA-A23.3.
2. CONCRETE WORK SHALL CONFORM TO CAN/CSA-A23.1,2,3 FOR MATERIALS AND WORKMANSHIP.
3. CLASSES OF CONCRETE SHALL BE PLACED IN THE LOCATIONS NOTED:

CLASS OF CONCRETE	LOCATION
C-2	EXTERIOR UNREINFORCED SLABS ON GRADE, CURBS, STAIRS
F-2	EXTERIOR WALLS, COLUMNS AND PIERS
N-2	FOOTINGS

4. CLASSES OF CONCRETE SHALL HAVE THE FOLLOWING MIX REQUIREMENTS:

CLASS OF CONCRETE	STRENGTH	W/C RATIO	AIR ENTRAINMENT	CHLORIDE ION
C-2	32 MPa	0.45	5% TO 8%	
F-2	25 MPa	0.55	4% TO 7%	
N-2	20 MPa			

   ADJUST AIR ENTRAINMENT PERCENTAGE FOR AGGREGATE SIZE BASED ON A23.1 TABLE 4.
5. CONCRETE DESIGN IS BASED ON THE ABOVE MIX REQUIREMENTS. PHYSICAL PROPERTIES (SLUMP, AGGREGATE SIZE, ETC.) TO SUIT INSTALLATION (BY OTHERS) AND SHALL NOT AFFECT REQUIREMENTS SPECIFIED.
6. ALL CONCRETE TO BE TESTED SHALL BE TESTED BY A C.S.A. CERTIFIED CONCRETE TESTING LABORATORY. CONTRACTOR TO PROVIDE COPIES OF TESTING REPORTS TO TACOMA ENGINEERS. NOT LESS THAN ONE STRENGTH TEST SHALL BE MADE FOR EACH 100 m^3 OF CONCRETE WITH AT LEAST THREE TESTS FOR EACH CLASS OF CONCRETE USED, PER DAY.
7. USE HIGH FREQUENCY VIBRATION TO PLACE ALL CONCRETE.
8. ALL CONCRETE SHALL BE KEPT MOIST DURING THE FIRST THREE DAYS OF CURING.
9. TAKE ADEQUATE MEASURES TO PROTECT THE CONCRETE FROM EXPOSURE TO FREEZING TEMPERATURES AT LEAST SEVEN DAYS AFTER CONCRETE PLACEMENT. COLD WEATHER PROTECTION IS REQUIRED FOR ALL CONCRETE PLACED WHERE IT IS FORECASTED THAT THE TEMPERATURE WILL DROP BELOW 5°C WITHIN 24 HOURS OF PLACEMENT. PROTECTION PROVIDED, INCLUDING INSULATED TARPS, POLY COVERED STRAW, SUPPLEMENTAL HEAT AND/OR CHEMICAL ADMIXTURES, IS TO BE SUFFICIENT TO MAINTAIN A MINIMUM CURING TEMPERATURE OF 10°C FOR 3 DAYS.
10. INSTALL W-MATCH CONTROL JOINTS AT A MAXIMUM SPACING OF 24 TIMES THE WALL THICKNESS, IN BOTH SIDES OF ALL WALLS, CUT SIDE OF THE HORIZONTAL REINFORCEMENT AT CONTROL JOINT LOCATIONS.
11. FINISH EXPOSED CONCRETE WORK AS PER ARCHITECTURAL DRAWINGS.
12. WHERE CONCRETE BEARS ON STEEL BEAMS, MILD 13M x 300mm (12") LONG DOWELS AT 1.2m (4') O.C. TO CENTER OF TOP OF BEAM.
13. DO NOT ADD WATER TO CONCRETE ON SITE.
14. DO NOT HAND TROWEL OR MACHINE TROWEL AIR ENTRAINED CONCRETE SLABS, BECAUSE IT CAN LEAD TO DELAMINATING AND BLISTERING.

CONCRETE SLABS ON GRADE:

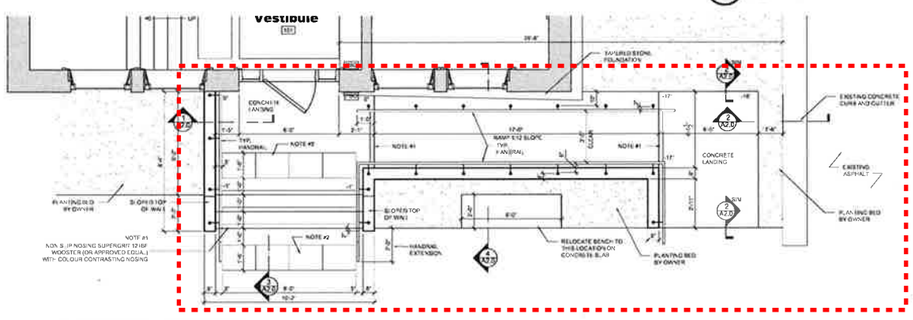
1. PLACE SLAB ON 150mm (6") GRANULAR FILL COMPACTED TO 98% SPDD FOUNDED ON NATIVE SOILS OR APPROVED ENGINEERED FILL, UNLESS NOTED OTHERWISE (REFER TO SOIL ENGINEERS REPORT FOR RECOMMENDATIONS).
2. SEE ARCHITECTURAL DRAWINGS FOR RECESSES AND DEPRESSIONS IN SLAB ON GRADE AND MAINTAIN SLAB THICKNESS INDICATED ON STRUCTURAL DRAWINGS IN ALL CASES.
3. INSTALL SAW-CUTS TO A MINIMUM OF 1/4 THE SLAB DEPTH IN THE FLOOR SLAB WITHIN 24 HOURS OF POUR. THE MAXIMUM CENTER/CENTER SPACING FOR SAW-CUTS SHALL BE 24 TIMES THE DEPTH UNLESS NOTED OTHERWISE.
4. FILL SAWCUTS AND CONSTRUCTION JOINTS WITH SEAL-RIGID, FLEXIBLE EPOXY JOINT FILLER, TO THE MANUFACTURER'S SPECIFICATIONS. ACCEPTABLE FILLERS: (EXTERIOR JOINTS): FORMEX CONSEAL CLEAR HS, OR APPROVED ALTERNATE.
5. ALL SLABS ON GRADE SHALL BE REINFORCED WITH WELDED WIRE FABRIC (WWF) 152x152MW18.7xMW18.7 (6"x6"x6gx6ga)
6. SLABS ON GRADE TO BEAR ON MATERIALS SUITABLE FOR 25 kPa (500 psf) BEARING PRESSURES

REINFORCING STEEL:

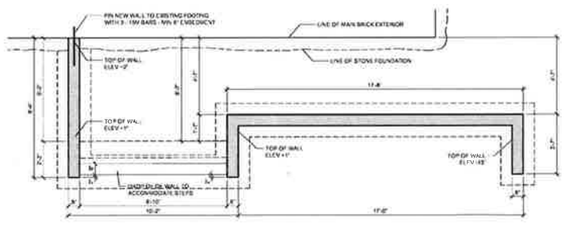
1. ALL REBAR SHALL BE DEFORMED BARS CONFORMING TO G30.18 WITH A MINIMUM YIELD STRENGTH OF 400 MPa.
2. REINFORCING STEEL SHALL BE FABRICATED BY A SUPPLIER EXPERIENCED IN BAR BENDING. ALL BEND DIAMETERS SHALL CONFORM TO CAN/CSA-A23.1.
3. ALL REBAR SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE REINFORCING STEEL R.S.I.D. MANUAL OF STANDARD PRACTICE, 2018.
4. MAINTAIN THE FOLLOWING CLEAR CONCRETE COVER TO REINFORCEMENT (U.N.O.):
   A) 40 mm (1.5") FOR CONCRETE PLACED IN FORMWORK FOR 15M OR SMALLER BARS.
   B) 65 mm (2.5") FOR SLAB ON GRADE, TOP OF SLAB TO TOP LAYER OF STEEL.
   C) 75 mm (3") FOR CONCRETE PLACED AGAINST THE EARTH (BOTTOM OF FOOTINGS).
   CHAIRS SHALL BE USED TO MAINTAIN THE SPECIFIED CONCRETE COVER.
5. MINIMUM REBAR TENSION LAP LENGTH (25 MPa, NORMAL DENSITY, NON COATED BARS) SHALL BE CLASS B SPLICES AS LISTED BELOW. MULTIPLY BY 1.3 FOR HORIZONTAL REBAR WITH MORE THAN 300mm BELOW THE LAP, EXCEPT IN WALLS.
   A) 450 mm (18") FOR 10M BARS
   B) 600 mm (24") FOR 15M BARS
6. LAP ALL HORIZONTAL BARS AT CORNERS WITH BENT DOWELS MEETING THE MINIMUM LAP REQUIREMENTS IN BOTH DIRECTIONS.

STRUCTURAL STEEL:

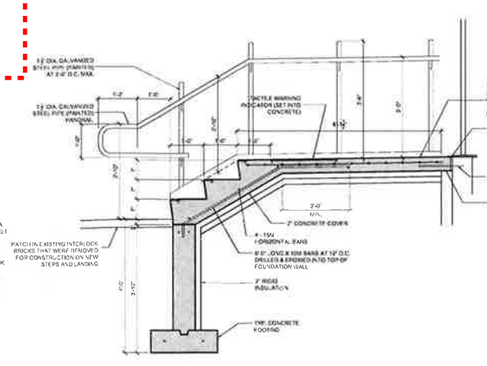
1. ALL STRUCTURAL STEEL ELEMENTS ARE DESIGNED IN ACCORDANCE WITH CAN/CSA-S16.
2. SUBMIT SHOP DRAWINGS FOR REVIEW BY THE PROJECT ENGINEER. STANDARD CONNECTIONS SHALL CONFORM TO THE HANDBOOK OF STEEL CONSTRUCTION. NON-STANDARD CONNECTIONS (INCLUDING MOMENT CONNECTIONS) SHALL BE DESIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO.
3. STRUCTURAL STEEL BEAMS AND COLUMNS SHALL CONFORM TO ASTM A992/992M GRADE 50 (Fy = 345 MPa) UNLESS NOTED.
4. STRUCTURAL STEEL CHANNELS AND ANGLES SHALL CONFORM TO CAN/CSA G40.21 GRADE 300W UNLESS NOTED.
5. ALL HSS SHALL CONFORM TO CAN/CSA G40.21 GRADE 350W (CLASS C) UNLESS NOTED.
6. ALL STEEL PLATE TO BE A36 (250W MPa) MATERIAL (W/WARM) UNLESS NOTED.
7. WELDING SHALL CONFORM TO CSA W47.1 AND CSA W59, BY THE CANADIAN WELDING BUREAU. ALL WELDING SHALL BE COMPLETED BY CWB CERTIFIED WELDERS.
8. GALVANIZING FOR METALS SHALL CONFORM TO CSA-G164 UNLESS NOTED. TOUCH-UP ON SITE BY GRINDING THE SURFACE TO BRIGHT METAL AND APPLYING ZINC RICH PAINT CONFORMING TO CAN/CGSB-1.181 (OR ASTM A780).
9. ALL STRUCTURAL STEEL SHALL BE NEW MATERIAL UNLESS APPROVED BY TACOMA ENGINEERS.
10. STRUCTURAL STEEL MEMBERS SHALL NOT BE SPLICED WITHOUT THE APPROVAL OF THE ENGINEER.
11. CO-ORDINATE WITH MECHANICAL, ELECTRICAL AND ALL OTHER SUBTRADES WHOSE WORK AFFECTS THE DETAILING, FABRICATION AND ERECTION OF THE STRUCTURAL STEEL.
12. DO NOT CUT OPENINGS IN STRUCTURAL STEEL MEMBERS WITHOUT ENGINEERS APPROVAL.
13. EXTERIOR STRUCTURAL STEEL:
    - SHALL BE PROTECTED FROM CORROSION BY [HOT DIP GALVANIZING]



RENOVATED FLOOR PLAN
1/4" = 1'-0"



FOUNDATION PLAN
1/4" = 1'-0"

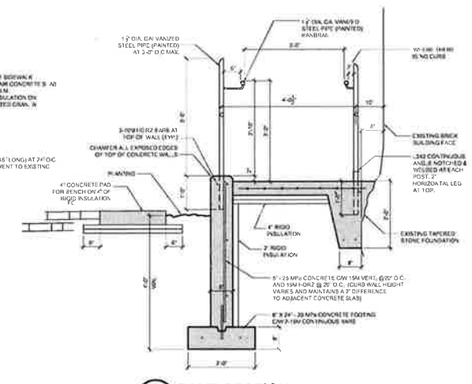


NOTE 1
3" WIDE NON SLIP STRIP SUPERGRIT 6200 WOOSTER PRODUCTS INC. (OR EQUAL, SEE INFO CONCRETE)

NOTE 2
TACTILE WARNING INDICATOR 18"x24" CAST IRON TILES. ADVANTAGE BY KINESIK (OR APPROVED EQUAL. DOLOURI FROM STANDARD MANUFACTURER'S PALETTE).

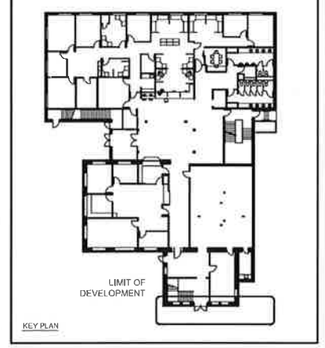
ALTERNATE PRICE: 12"x12" POLYMER COMPOSITE. ADROITILE BY KINESIK OR APPROVED EQUAL (FROM STANDARD MANUFACTURER'S PALETTE).

3 A2.0 STAIR SECTION
1/2" = 1'-0"



4 A2.0 RAMP SECTION
1/2" = 1'-0"

LOCATION MAP



KEY PLAN

DIMENSIONS & SCALE NOTICE:
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. *DO NOT SCALE THIS DRAWING.* ANY DISCREPENCY OBSERVED SHOULD BE REPORTED IMMEDIATELY TO DICKINSON + HICKS ARCHITECTS INC.

COPYRIGHT NOTICE:
COPYRIGHT IN THIS DRAWING BELONGS TO DICKINSON + HICKS ARCHITECTS INC. THIS DRAWING MAY NOT BE USED FOR ANY OTHER PURPOSE THAN FOR WHICH IT WAS INTENDED WITHOUT THE EXPRESS CONSENT OF DICKINSON + HICKS ARCHITECTS INC.

PROJECT NORTH
ACTUAL NORTH

No.	Description	Date
1	ISSUED FOR TENDER - RAMP	FEB. 17, 2021

LICENSED PROFESSIONAL ENGINEER
S. J. ADEMA
Sept. 13, 2021
100038809
PROVINCE OF ONTARIO
Structural Design Only

CONSULTANT
TACOMA ENGINEERS
GUELPH ONTARIO
Ph: 519-763-2000 Fax: 519-824-2000

PROJECT
RAMP FOR
THEATRE ORANGEVILLE ENTRANCE
ORANGEVILLE 87 BROADWAY ONTARIO

SHEET TITLE
FLOOR PLAN AND DETAILS

ONTARIO ASSOCIATION OF ARCHITECTS
LICENSED
6188

PROJ. NO.	18-143
DATE	MAY 31/ 2019
DRAWN BY	MW
CHECKED	WG
SCALE	As indicated
DATE PLOTTED	
DRAWING NO.	A2.0