

GENERAL NOTES

CONCRETE

ALL CONCRETE THROUGHOUT JOB EXCEPT AS NOTED HEREIN TO HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 2500 LBS PER SQ INCH IN 28 DAYS AFTER PLACING & SHALL CONTAIN A MINIMUM OF 5/8 SACKS OF CEMENT TO THE YARD. CONCRETE IN WALLS OF TUNNELS, TUNNEL SLABS & SLABS ON THE GROUND TO HAVE AN ULTIMATE COMPRESSIVE STRENGTH OF 2000 LBS PER SQ INCH & SHALL CONTAIN A MINIMUM OF 4/5 SACKS OF CEMENT TO THE YARD. ALL CONCRETE TO BE POURED WITH AS STIFF A MIX AS POSSIBLE CONSISTENT WITH WORKING INTO THE FORMS & IS TO HAVE A SUITABLE DISPERSAL ADMIXTURE ADDED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS OR AS ARRANGED LATER BY THE ARCHITECT OR ENGINEER.

REINFORCING STEEL

ALL REINFORCING STEEL TO CONFORM TO CANADIAN ENGINEERING STANDARDS FOR STRUCTURAL GRADE MILD STEEL FOR BUILDINGS. ALL BARS IN FOOTINGS, JOISTS, BEAMS, GIRDERS & SPANDRELS TO BE DEFORMED TYPE IF POSSIBLE TO OBTAIN. ALL BARS IN SLABS OVER JOISTS, WALLS & COLUMNS MAY BE PLAIN TYPE. ALL VERTICAL LAPS TO BE A MINIMUM OF 30 DIAMETERS & HORIZONTAL LAPS 40 DIAMETERS.

FOOTINGS

ALL WALL FOOTINGS 18" WIDE & OVER TO HAVE 3-#6 BARS CONTINUOUS THROUGHOUT LENGTH OF FOOTINGS, TIED WITH #4 SPACERS ABOUT EVERY 6'-0". ALL WALL FOOTINGS LESS THAN 18" WIDE TO HAVE 2-#6 BARS CONTINUOUS WITH #4 SPACERS. ALL WALL FOOTINGS TO BE 12" WIDE X 8" DEEP UNLESS NOTED OTHERWISE. ALL WALL & COLUMN FOOTINGS TO HAVE STUBS OF SAME SIZE & SPACING AS STEEL IN WALL OR COLUMN ABOVE. ALL WALLS TO HAVE FOOTINGS 12" X 8" DEEP EXCEPT WHERE NOTED OTHERWISE ON THE PLANS.

WALLS

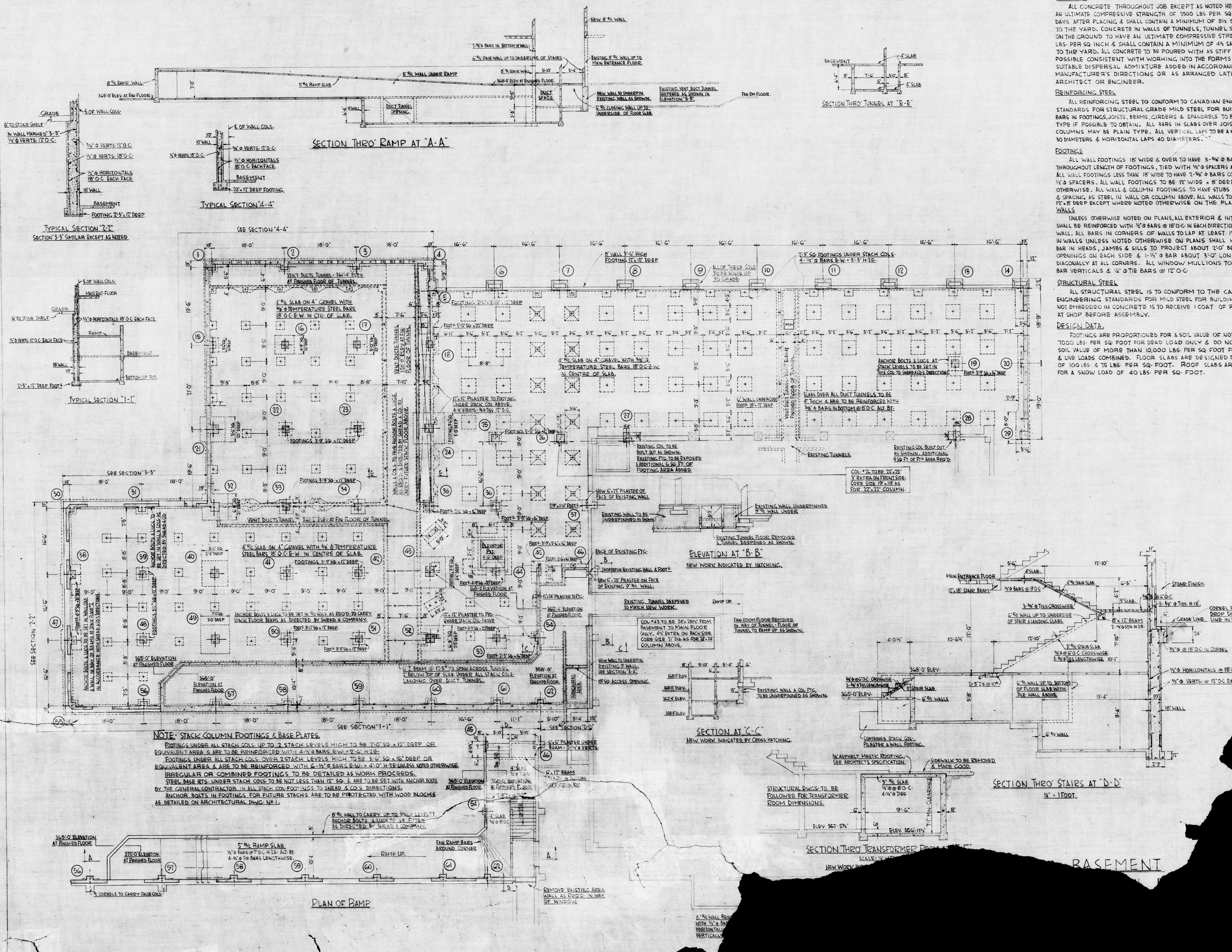
UNLESS OTHERWISE NOTED ON PLANS, ALL EXTERIOR & INTERIOR WALLS SHALL BE REINFORCED WITH #4 BARS @ 18" O.C. IN EACH DIRECTION AT CTR. OF WALL. ALL BARS IN CORNERS OF WALLS TO LAP AT LEAST 12". ALL OPENINGS IN WALLS UNLESS NOTED OTHERWISE ON PLANS SHALL HAVE 1-#6 BARS IN HEADS, JAMBS & SILLS TO PROJECT ABOUT 2'-0" BEYOND EDGE OF OPENINGS ON EACH SIDE & 1-#4 BARS ABOUT 3'-0" LONG PLACED DIAGONALLY AT ALL CORNERS. ALL WINDOW MULLIONS TO HAVE 2-#6 BARS VERTICALLY & #4 BARS @ 12" O.C.

STRUCTURAL STEEL

ALL STRUCTURAL STEEL IS TO CONFORM TO THE CANADIAN ENGINEERING STANDARDS FOR MILD STEEL FOR BUILDINGS. ALL STEEL NOT EMBEDDED IN CONCRETE IS TO RECEIVE 1 COAT OF RED-LEAD PAINT AT SHOP BEFORE ASSEMBLY.

DESIGN DATA

FOOTINGS ARE PROPORTIONED FOR A SOIL VALUE OF NOT MORE THAN 7000 LBS PER SQ FOOT FOR DEAD LOAD ONLY & DO NOT EXCEED A SOIL VALUE OF MORE THAN 10,000 LBS PER SQ FOOT FOR FULL DEAD & LIVE LOADS COMBINED. FLOOR SLABS ARE DESIGNED FOR LIVE LOADS OF 100 LBS & 75 LBS PER SQ FOOT. ROOF SLABS ARE DESIGNED FOR A SNOW LOAD OF 40 LBS PER SQ FOOT.



NOTE: STACK COLUMN FOOTINGS & BASE PLATES

FOOTINGS UNDER ALL STACK COLS. UP TO 2 STACK LEVELS HIGH TO BE 2'-0" SQ X 12" DEEP OR EQUIVALENT AREA & ARE TO BE REINFORCED WITH 4-#4 BARS E-W & 2-#6 H-ZE.
FOOTINGS UNDER ALL STACK COLS. OVER 2 STACK LEVELS HIGH TO BE 3'-0" SQ X 16" DEEP OR EQUIVALENT AREA & ARE TO BE REINFORCED WITH 6-#4 BARS E-W & 4-#6 H-ZE UNLESS NOTED OTHERWISE.
IRREGULAR OR COMBINED FOOTINGS TO BE DETAILED AS WORK PROCEEDS.
STEEL BASE RTS. UNDER STACK COLS. TO BE NOT LESS THAN 12" SQ. & ARE TO BE SET WITH ANCHOR BOLTS BY THE GENERAL CONTRACTOR IN ALL STACK COL FOOTINGS TO SNEAD & CO'S DIRECTIONS.
ANCHOR BOLTS IN FOOTINGS FOR FUTURE STACKS ARE TO BE PROTECTED WITH WOOD BLOCKS AS DETAILED ON ARCHITECTURAL DWG. NO. 1.

PLAN OF RAMP

BASEMENT