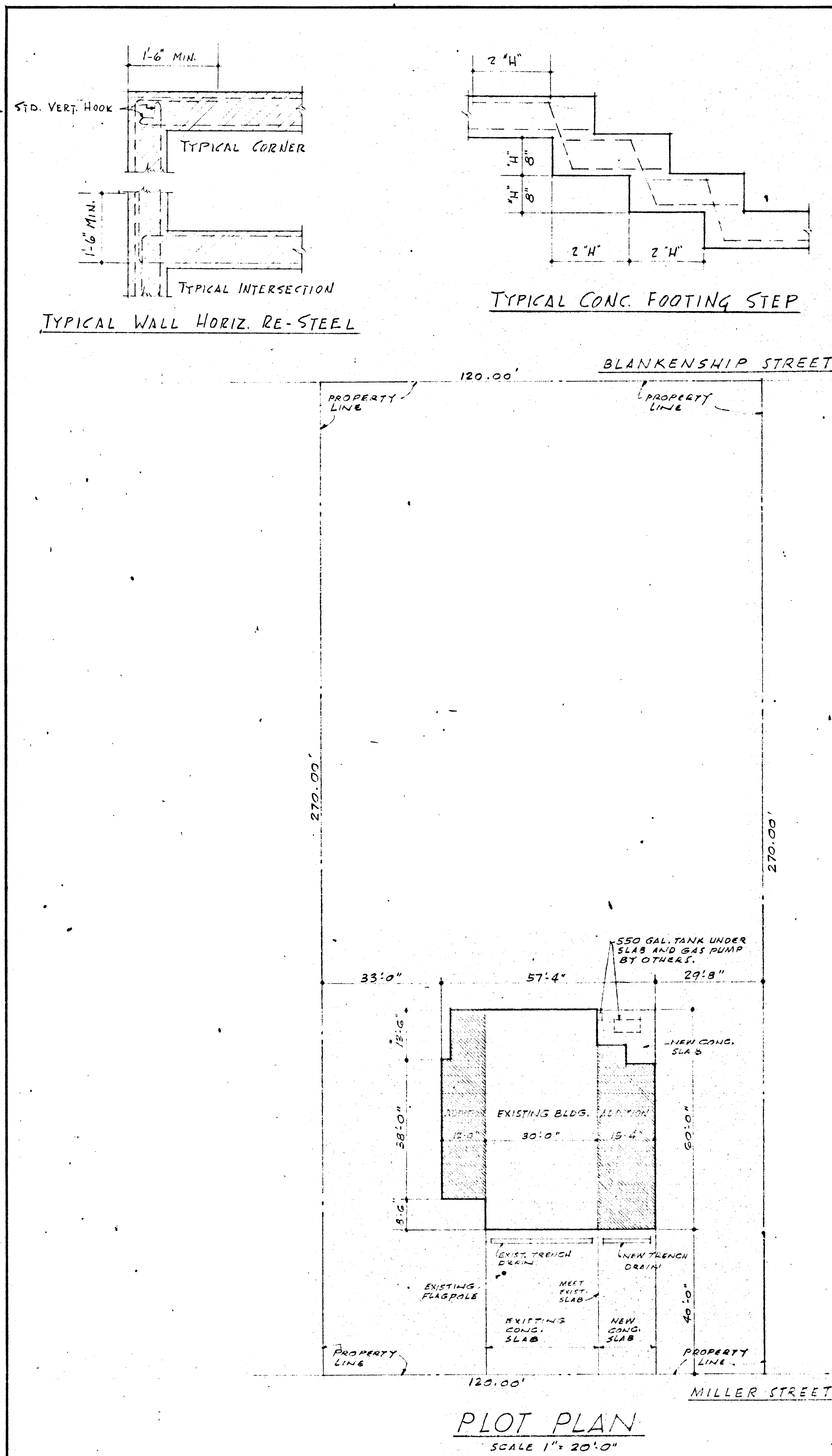




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GENERAL STRUCTURAL NOTES

3-13-77

FOUNDATIONS

SOIL CLASSIFICATION: SANDY LOAM. MAX. DESIGN SOIL PRESSURE 1500 P.S.F.
ALL FOOTINGS TO BEAR ON FIRM UNDISTURBED SOIL AND BE MINIMUM 1'-6" BELOW EXISTING OR FINISHED GRADE, WHICHEVER IS LOWER.
ALL FOUNDATION WALLS OF HOLLOW UNIT MASONRY SHALL HAVE CELLS GROUTED SOLID TO FLOOR LINE.
PROVIDE COMPACTED GRAVEL FILL (MIN. 4" THICK) UNDER ALL FLOOR SLABS, SIDEWALKS, AND WHERE NECESSARY FOR BACKFILLING EXCAVATIONS, ETC. UNDER SLABS.

CONCRETE

ALL CONCRETE TO HAVE ULTIMATE COMPRESSIVE STRENGTH OF 2,000 P.S.I. AT 28 DAY TEST MIN. LOCATION OF ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY ARCHITECT.
EXPANSION JOINTS SHALL BE LOCATED APPROX. 25'-0" APART FOR ALL SIDEWALKS.
NEW SIDEWALKS OUTSIDE PROPERTY LINES ARE TO BE IN ACCORDANCE WITH CITY AND COUNTY REQUIREMENTS.
ALL EXTERIOR AND INTERIOR CONCRETE SLABS ARE TO BE REINFORCED WITH 6"x6"-10-10 WIRE MESH OR WITH #3 BARS @ 2'-0" O.C. EACH WAY - OPTION OF CONTRACTOR UNLESS SPECIFIED OTHERWISE.
ALL EXTERIOR AND INTERIOR CONCRETE SLABS, BEAMS, COLUMNS, ETC., ABOVE GRADE, SHALL BE IN ACCORDANCE WITH SPECIAL DETAILS AS SHOWN ON THE DRAWINGS.
REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS, AND CO-ORDINATE ALL REQUIREMENTS FOR ANCHORS, INSERTS, PIPES, BOLTS ETC., BEFORE POURING ANY CONCRETE.
ALL JUNCTIONS OF CONCRETE WITH WALLS SHALL HAVE AN EXPANSION JOINT.

REINFORCING STEEL

ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE, HIGH BOND DEFORMED BARS CONFORMING TO A.S.T.M. A-15 # A-305.
REINFORCING MARKED CONTINUOUS MAY BE SPIKED WITH LAP OF 50 BAR DIAM. FOR HOLLOW UNIT MASONRY # 25 DIAM. FOR CONCRETE.
REFER TO ALL DRAWINGS & DETAILS FOR MASONRY REINFORCING IN WALLS, BOND BEAMS, LINTELS, ETC. SEE TYPICAL DETAILS, THIS SHEET, FOR REINFORCING AROUND ALL OPENINGS, CORNER & WALL CONNECTIONS, & FOOTING STEPS.
ADEQUATE SUPPORTS SHALL BE PROVIDED TO SUPPORT ALL REINFORCING STEEL IN PLACE.
REINFORCING STEEL SHALL HAVE THE FOLLOWING MINIMUM COVER -
CONCRETE POURED AGAINST EARTH - 2" OTHER WALL FACES - 1"
FORMER CONG. IN CONTACT WITH EARTH - 2" CONCRETE COLS. & BMS - 1 1/2"
EXTERIOR FACE OF EXTERIOR WALLS - 2" TOP OR BOTTOM OF SLABS - 3/4"
PLACE DOWELS IN FOUNDATIONS AT ALL VERTICAL BARS AT SAME SPACING & SAME SIZE AS VERTICAL BARS.

STRUCTURAL STEEL

STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-7-50T AND SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECS. AND U.B.C. CHAPTER 21-1.
ALL STRUCTURAL PIPE SHALL CONFORM TO A.S.T.M. A-53-52T GRADE "B" MARKED ACCORDINGLY.
STEEL JOISTS SHALL CONFORM TO STANDARD SPECS. FOR OPEN WEB STEEL JOIST CONSTRUCTION OF THE STEEL JOIST INSTITUTE, AND SHALL BE FURNISHED BY A MEMBER OF THE STEEL JOIST INSTITUTE. CHORD MEMBERS SHALL BE DOUBLE ANGLE OR ROLLED TEE.
PROVIDE CEILING EXTENSIONS, CLIPS, NAILERS, AND CROSS-BRIDGING AS DETAILED.
ALL STRUCTURAL STEEL, EXCEPT THAT EMBEDDED IN MASONRY, SHALL HAVE ONE COAT OF RUST INHIBITIVE PAINT.
ALL STEEL CONNECTIONS TO BE "B" SERIES A.I.S.C. STANDARD UNLESS OTHERWISE DETAILED.
SHOP DRAWINGS ARE TO BE SUBMITTED FOR APPROVAL, BEFORE FABRICATION.

HOLLOW UNIT MASONRY

ALL MASONRY SHALL CONFORM TO CHAPTER 24 U.B.C.
ALL HOLLOW UNIT MASONRY SHALL CONFORM TO A.S.T.M. C-90 GRADE A UNITS.
MORTAR SHALL BE AS SPECIFIED FOR TYPE A IN TABLE 24-A U.B.C.
GROUT SHALL BE COMPOSED BY VOLUME 1 PART CEMENT, 3 PARTS SAND, 2 PARTS FEA GRAVEL, LIME PUTTY MAY BE ADDED NOT TO EXCEED 1/4 PART. GROUT TO BE FLUID CONSISTENCY AND SHALL HAVE ULTIMATE COMPRESSIVE STRENGTH OF 2000 P.S.I. AT 28 DAY TEST.
ALL REINFORCED HOLLOW UNIT MASONRY SHALL CONFORM TO SECTION 2415 U.B.C.
ALL CELLS CONTAINING REINFORCEMENT, BOLTS, ANCHORS, INSERTS ETC., SHALL BE FILLED SOLID WITH GROUT.
VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT TOP & BOTTOM AND AT INTERVALS NOT TO EXCEED 192 DIAMETERS. PLACE SO THAT REQUIRED GROUT IS ON ALL SIDES OF BARS.
IF PAIR OF GROUT IS OVER 4'-0" HIGH, PROVIDE CLEANOUT OPENINGS OF CELLS TO BE FURRED. NO POLE OVER 8'-0" HIGH SEE SECTION 2415 U.B.C.
WALLS MUST BE CAREFULLY BRACED AT ALL TIMES, ESPECIALLY BEFORE GROUT & REINF. IS SET. PLACE CURD-WALL REINFORCING IN HORIZONTAL COURSES AS SHOWN ON DRAWINGS, EXCEPT AT SOLID GROUT & WHERE OTHERWISE REINFORCED HORIZONTALLY.
BRICK & STONE VENEER SHALL BE ANCHORED TO BLOCK WALLS WITH 22 GA. GALV. CORRUGATED TIES AT 24" MIN. O.C. HORIZ. & 12" MIN. VERT.
SEE NOTES ON ELEVATIONS & DETAILS FOR DEEP RAKED HORIZ. OR VERT. JTS., AND ALL OTHER ORNAMENTATIONS.

LUMBER

ALL LUMBER SHALL BE DOUGLAS FIR CONSTRUCTION GRADE. ALL SOLID SHEATHING SHALL HAVE 2 BOARDS BETWEEN SPLICES ON SAME BEARING, AND 2 BEARINGS BETWEEN SPLICES IN ADJACENT BOARDS.
ALL BOLTS BEARING ON WOOD SHALL HAVE WASHERS ON HEAD & NUT.
ALL SILLS ON MASONRY OR CONG. SHALL BE CONSTRUCTION GRADE REDWOOD OR TREATED D. FIR.
CROSS BRIDGING SHALL BE INSTALLED BETWEEN FIR & CLG. JOISTS & RAFTERS AT INTERVALS NOT OVER 8'-0" APART, NOT TO BE FINALLY NAILED UNTIL SHTG. IS IN PLACE. TYPE OF BRIDGING TO BE AS SHOWN & DETAILED ON DRAWINGS.
WHERE plywood sheathing is called for, JOINTS ARE TO BE STAGGERED, AND NAILING IS TO BE INSTALLED AS SHOWN IN SCHEDULE.
ALL WOOD PLATES ON MASONRY SHALL BE BEDDED ON 3/8" MIN. MORTAR.

NAILING SCHEDULE (MIN.) ALL OTHER NAILING TO CONFORM TO TABLE 25-K U.B.C.

JOIST TO SILL OR GIRDER	TOE NAIL	2-16d
BRIDGING TO JOIST	DO	2-8d
SUB-FLOOR TO JOIST (1"x6" BOARDS)	FACE NAIL	2-8d
PLATE TO JOIST OR BLOCKING		16d @ 16" O.C.
STUD TO PLATE (TOP)	END NAIL	2-16d
STUD TO PLATE (BOTTOM)	TOE NAIL	2-16d
TOP PLATES	SPIKE TOGETHER	16d @ 24" O.C.
TOP PLATE LAPS & INTERSECTION		2-16d
RAFTER TO PLATE		3-16d
PLYWOOD SHEATHING & SUB-FLOOR 8d @ 6" O.C. EDGES - 8d @ 12" O.C. INTERIOR		

THE GENERAL CONTRACTOR IS TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE BUILDING SITE. REFER TO PLOT PLAN FOR ALL GRADES & FLOOR ELEVATIONS. CO-ORDINATE WITH ALL SUB-CONTRACTORS & PUBLIC UTILITIES, BEFORE STARTING WORK.

LEGAL DESCRIPTION

LOTS 133 A TO 133 F VEGAS HEIGHTS - TRACT NO. 4

BUILDING DESIGN NOTES

BUILDING IS DESIGNED TO CONFORM WITH 1964 EDITION OF U.B.C. LIVE LOADS - ROOF 20# P.S.F.

IRA C. MARSHAK
ARCHITECTS A.I.A.
820 S. SIXTH STREET

EDWARD LEEDS

LAS VEGAS, NEV.

VEGAS HEIGHTS FIRE STATION ADDITION

1201 WEST MILLER STREET

LAS VEGAS

NEVADA

SHEET TITLE

PLOT PLAN

DRAWN BY

E.L.

DATE 1-28-65

REVISIONS

SHEET NO.

1

12

AS BUILT

630-41A