GENERAL NOTES

GENERAL:
Contractor shall coordinate the work between all trades to prevent or correct conflicts. Material specified shall be installed in accordance with manufacturer's specifications and recommendations.

These design drawings present the civil concepts of this project and are not intended to serve as Contractor's shop drawings. Therefore certain items may not be completely detailed on these drawings. Such items shall be constructed to same standards as shown on basic design drawings.

Contractor shall protect and maintain all existing utilities within the construction area throughout the construction process and shall be responsible for replacement of all existing utilities which are disturbed "in kind" as part of the contract. Contractor shall coordinate all work on utilities with the Owner.

Contractor shall verify location size and invert elevations of all existing utilities in the area affected by project work. Down time for utilities affected shall be held to a minimum and temporary bypasses shall be provided where required to maintain proper service.

Coordinate all this work with utility Owners and perform work in accordance with the standard of and as approved by utility Owner or the proper jurisdictional authority.

Locations of existing utilities are approximate.

Pipe length shown is estimated. Final lengths determined by field conditions.

CODES AND STANDARDS:
Uniform Building Code, Latest Edition
American Concrete Institute ACI 318-83.
American Institute of Steel Construction
American Welding Society
National Electric Code, Latest Edition
UBC Plumbing Code, Latest Edition

DESIGN LOADS:
Roof live load 20 psf
Miscellaneous mechanical & electrical loads 5 psf
Seismic Zone 2B
Wind, basic speed 75 MPH, exposure C (15 psf)

FOUNDATIONS:
Maximum design foundation pressure (500 psf.)
This value was increased by a factor of 1.33 when wind or seismic forces were considered.
All footings shall bear on undisturbed material.
All excavations shall be kept dry during concrete pouring.
All earth fill shall be placed in 8 inch maximum layers, each layer shall be compacted to 90% density of optimum moisture as measured by AASHTO Standard Test T-180.
Fill: Clean crushed stone or gravel complying with ASTM C33, Size 67 (3/4" minus, no fines).
Contractor shall dispose of excess material off the site.

CONCRETE:
Required 28 day concrete strengths: f'c = 3500 psi, minimum 6 sacks cement per cu yd.
Maximum concrete slump 4 inches.
Air entrain all concrete exposed to weather 4 to 6% by volume.
Concrete anchors shall be "Kwikbolt", "Lok" or approved equal.
Anchor bolts shall be provided by Building Supplier.
Anchor bolts shall be set with 1/8 inch tolerance.

MASONRY:
Concrete masonry units (CMU) shall be 50/50 block, standard and split face, conforming to ASTM C90, Grade N-1.
Reinforcing bars to conform to ASTM A615, Grade N-1.
Mortar: ASTM C270, Type S. Do not use quicklime in mortar.
Grout: ASTM C476 - coarse.
Minimum wall reinforcing as follows unless shown otherwise:
6" walls #5 @ 48" vert #5 @ 48" horiz
8" walls #5 @ 32" vert #5 @ 48" horiz
12" walls #5 @ 32" vert #5 @ 32" horiz
All anchor bolts and reinforcing bars shall be in grouted cells.
Special inspection where noted on plans.

STRUCTURAL STEEL:
All structural steel shall conform to ASTM A36.
All bolts shall be A307 unless shown otherwise.
All welding shall conform to AWS specifications latest edition. Use E70XX electrodes.
All welder operators shall be prequalified in accordance with AWS and City of Albuquerque City requirements.
Deprimg and Painting: After fabrication and before leaving the shop, all surfaces of structural steel shall be cleaned equal to "Power Tool Cleaning" conforming to Steel Structures Painting Council Specification No. SP-3-021. Shop paint all steel surfaces with one prime coat of approved rust inhibitive primer paint.
Shop drawings shall be submitted for approval prior to fabrication. Use sepia and one print. Sepia will be returned and Contractor shall make copies for distribution.
Shop and field inspection shall be performed by a testing agency retained by the Owner.

PREFABRICATED METAL BUILDING:
Design Requirements:
The prefabricated metal building and all of its components shall be designed to resist the most severe combinations of snow, wind and seismic loads required by the New Mexico Uniform Construction Code. The Contractor shall submit one (1) copy and one (1) sepia of shop drawings and details and such engineering calculations and data as may be required to obtain a Building Permit. Drawings and calculations shall be stamped by a Professional Engineer licensed in the State of New Mexico. This material is all subject to approval of the Engineer before proceeding with fabrication. Design shall be in accordance with the "Recommended Design Practices Manual of the MBMA and the following specific references:

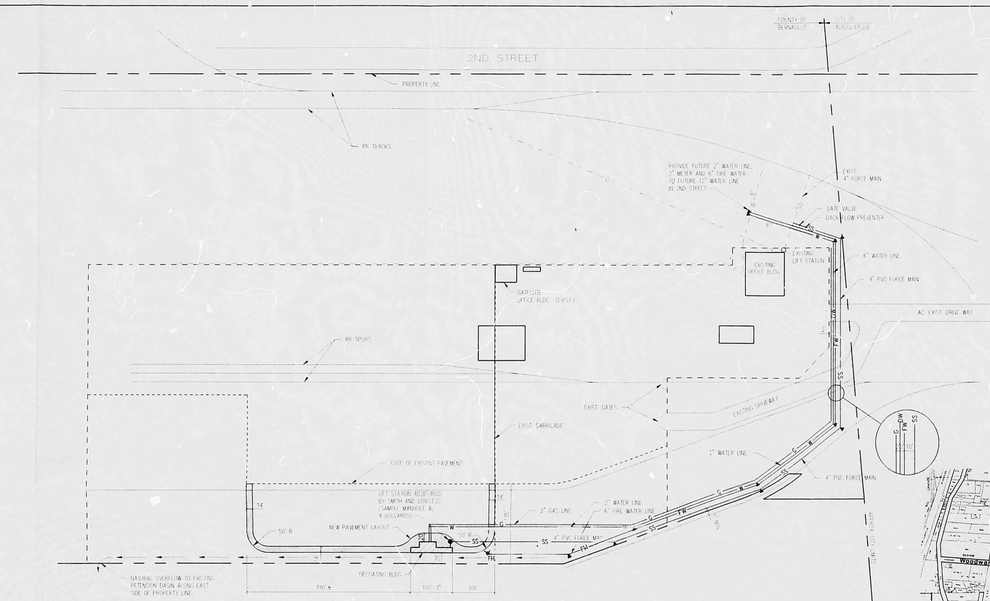
Structural Steel - American Institute of Steel Construction, Specification for the Design, Fabrication and Erection of Structural Steel for Buildings."

Light Gage Steel - American Iron and Steel Institute "Light Gage Cold-Formed Steel Design Manual.

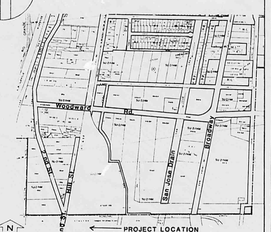
Welding - American Welding Society "Standard Code for Arc and Gas Welding in Building Construction."

Every building component shall be provided with strength adequate to resist the following combination of loads:

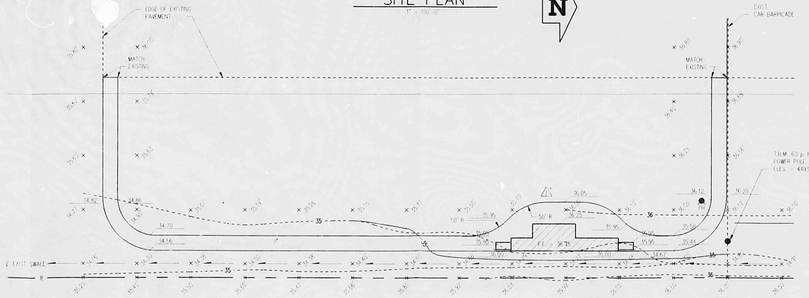
DL + snow load	at 100% of allowable stress
DL + wind	at 133% of allowable stress
DL + wind + snow/2	at 133% of allowable stress
DL + snow + wind/2	at 133% of allowable stress
DL + seismic	at 133% of allowable stress



SITE PLAN



VICINITY PLAN



GRADING PLAN

NOTE: 1. PROJECT BENCH MARK IS INDEX STA. "DM-47-20" M.S.L. ELEV. = 4919.326. A TEMPORY BENCH MARK WAS SET ON THE PROJECT AS SHOWN HEREON.
CENTERLINE OF EXISTING DRIVE IS 1.5' WEST OF EAST PROPERTY LINE.
5. SPOT ELEVATIONS ARE SHOWN AT 50' INTERVALS.

EXP. DATE 12-31-89

LEGEND

SS	EXISTING SANITARY SEWER LINE
W	EXISTING DOMESTIC WATER LINE
FW	EXISTING FIRE WATER LINE
G	EXISTING GAS LINE
E	EXISTING ELECTRICAL LINE
SS	NEW SANITARY SEWER LINE
DW	NEW DOMESTIC WATER LINE
FW	NEW FIRE WATER LINE
G	NEW GAS LINE
E	NEW ELECTRICAL LINE
MH	NEW MANHOLE
FH	NEW FIRE HYDRANT
	NEW THRUST BLOCK
	VALVE DIRECTION
56	EXISTING GRADE
56	NEW GRADE
35.50	EXIST. SPOT ELEV.
35.50	NEW SPOT ELEV.

REV. F.F. ELEV. & RELOC. F.H.

DETAILS AND GENERAL NOTES

DECOATING BUILDING
TOYOTA MOTOR SALES
ALBUQUERQUE, NEW MEXICO

MOFFATT, NICHOL & BONNEY, INC.
ENGINEERS
PORTLAND OREGON

DRAWN BY LKB	DATE 3/22/89	DATE OF ISSUE 5/1/89	DRAWING NO.
CHECKED BY DDT	DATE 3/22/89	3931D	C3 OF 4

REF. 22 DATE 6/8/93 OP
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PLANS/PLATS ON FILE

FILE DESC: N-14/D001

PLANS/PLATS 1

JUL 21 1989
HYDROLOGY SECTION

F 30 D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D F