

GENERAL NOTES

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING BUILDING CONDITIONS BEFORE BEGINNING ANY WORK.
2. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL DIMENSIONS, SIZES, QUANTITIES, ETC., AS SHOWN OR OTHERWISE INFERRED, FOR ALL PHASES OF THE WORK.
3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL SLEEVES, OPENINGS, RACEWAYS, DUCTS, PIPES AND RELATED EQUIPMENT.
4. GENERAL CONTRACTOR IS RESPONSIBLE FOR HEADERS, FRAMES, AND OTHER BLOCKOUTS FOR MECHANICAL & ELECTRICAL WORK.
5. ALL DIMENSIONS AND SERVICES RELATED TO EQUIPMENT TO BE FURNISHED OR N.I.C. SHALL BE VERIFIED BEFORE PROVISIONS ARE MADE OR ITEMS INSTALLED.
6. BACKING - PROVIDE 2"x4" FIRE TREATED BLOCKING IN FRAME WALLS FOR ALL WALL MOUNTED ITEMS AND EQUIPMENT SUCH AS DOOR STOPS, MIRRORS, TOILET ACCESSORIES, EQUIPMENT, FIXTURES, MILLWORK, ETC.
7. CONTRACTOR TO PATCH, REPAIR, AND PREP ALL WALLS AND FLOORS TO RECEIVE NEW FINISHES.
8. EXTERIOR DIMENSIONS ARE TO FACE OF FOUNDATION. INTERIOR DIMENSIONS ARE TO FACE OF STUD.
9. UTILITY TRENCHING, BACKFILL AND PAVING REPLACEMENT SHOWN ON DRAWING E1 TO BE BY ELECTRICAL SUBCONTRACTOR.
10. ALL PENETRATIONS THROUGH FLOOR SLABS TO BE FIRESTOPPED WITH APPROVED FIRESTOPPING MATERIAL.

BUILDING CODE OUTLINE

(1991 U.B.C.)

TABLE 5A	OCCUPANCY CLASSIFICATION: B2
TABLE 5C	TYPE OF CONSTRUCTION: TYPE II ONE-HOUR
TABLE 5C	FLOOR AREA: 16,560 S.F.
TABLE 5D	NUMBER OF STORIES: 3 HEIGHT: ±31'-0" HIGH SIDEWALLS
TABLE 23A	LIVE LOAD: 50 PSF (CONFERENCE ROOM)
TABLE 23C	BASIC ROOF SNOW LOAD: 30 PSF + DRIFTING PER UBC CHAPTER 23 APP.
FIGURE 23-1	WIND LOAD: 80 MPH AREA, EXPOSURE "C"
FIGURE 23-2	SEISMIC ZONE: 1, Z=0.075
TABLE 32A	ROOFING CLASSIFICATION: CLASS "A" LOCATION ON PROPERTY: NORTH - ±270' EAST - EXCEEDS 100' SOUTH - ±200' (MINIMUM) WEST - EXCEEDS 200'
TABLE 33A	OCCUPANCY FACTOR: 100 S.F. PER OCCUPANT

(CITY OF BILLINGS PARKING REQUIREMENTS)

EXISTING	MULTI-FAMILY	= 52 UNITS x 1.5	= 78 SPACES
PROPOSED	OFFICE	= 16,500/300	= 53 SPACES
	HANDICAP STALL CONVERSION	=	2 SPACES
	NET STALLS GAINED	=	23 SPACES

RENOVATION

FOR

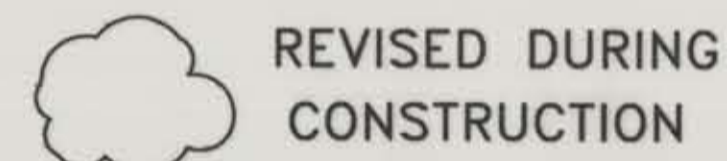


Montana State University - Billings APSARUKE HALL

A/E 94-03-02

PROJECT NO. 9504

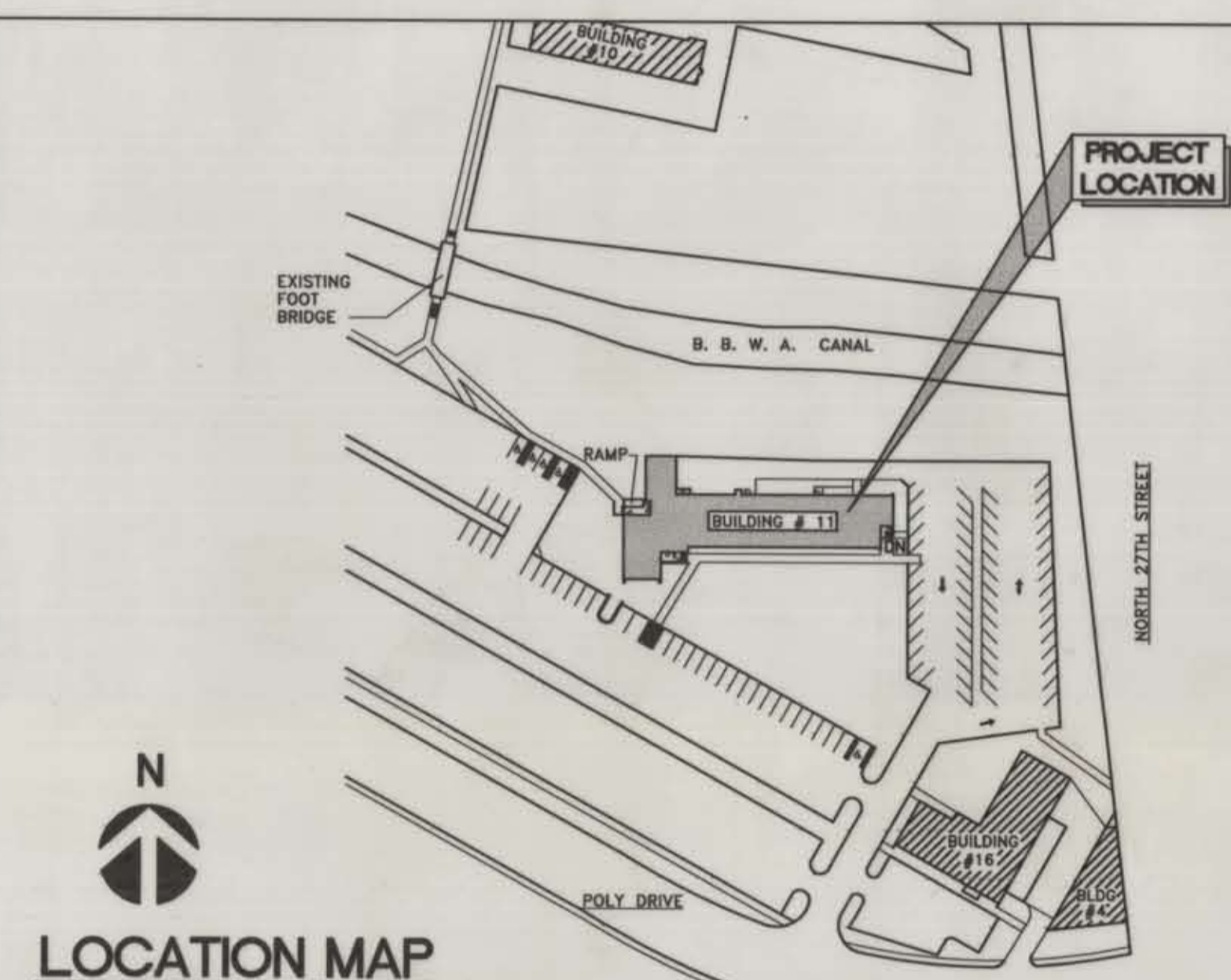
NOVEMBER 1995



REVISED DURING
CONSTRUCTION

AS BUILT DRAWING

MAPS



ABBREVIATIONS

ACM	ASBESTOS CONTAINING MATERIAL	H/C	HANDICAP
ALT	ALTERNATE	HCM	HOLLOW CLAY MASONRY
&	AND	HM	HOLLOW METAL
AT	ACOUSTICAL TILE	HORIZ	HORIZONTAL
⊙	AT	INT	INTERIOR
BD	BOARD	JT	JOINT
BLDG	BUILDING	LAV	LAVATORY
CPT	CARPET	MTL	MATERIAL
CLG	CEILING	MAX	MAXIMUM
CL	CENTER LINE	MECH	MECHANICAL
COL	COLUMN	MFR	MANUFACTURER
CONC	CONCRETE	MIN	MINIMUM
CONST	CONSTRUCTION	MISC	MISCELLANEOUS
CONT	CONTINUOUS	N	NORTH
CSV	COVERED SHEET VINYL	NIC	NOT IN CONTRACT
DET	DETAIL	NTS	NOT TO SCALE
DIA	DIAMETER	OC	ON CENTER
DIM	DIMENSION	OPP	OPPOSITE
DN	DOWN	P	PAINT
DWG	DRAWING	P. LAM	PLASTIC LAMINATE
E	EAST	R	RUBBER BASE
EA	EACH	REINF	REINFORCE/REINFORCING
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	REQD	REQUIRED
EL	ELEVATION	RM	ROOM
ELEC	ELECTRIC	S	SOUTH
EQUIP	EQUIPMENT	SPEC	SPECIFICATION
EXIST	EXISTING	SQ FT	SQUARE FEET
FLR	FLOOR	SQ IN	SQUARE INCH
FE	FIRE EXTINGUISHER	SV	SHEET VINYL
FEC	FIRE EXTINGUISHER CABINET	TYP	TYPICAL
FF	FINISH FLOOR	U.O.N.	UNLESS OTHERWISE NOTED
FIN	FINISH	U/F	UNDERFLOOR
FT	FEET/FOOT	VERT	VERTICAL
GA	GAUGE	VWC	VINYL WALL FABRIC
GALV	GALVANIZED	W	WEST
GB	GYPSON BOARD	W/	WITH
GYP BD	GYPSON BOARD	WD	WOOD

INDEX TO DRAWINGS

ARCHITECTURAL

- C1 COVER SHEET, INDEX TO DRAWINGS, LOCATION MAP
- C2 SITE PLAN, DETAILS
- A1 DEMOLITION PLAN - FIRST FLOOR
- A2 DEMOLITION PLAN - SECOND FLOOR
- A3 DEMOLITION PLAN - THIRD FLOOR
- A4 RENOVATION PLAN - FIRST FLOOR
- A5 RENOVATION PLAN - SECOND FLOOR
- A6 RENOVATION PLAN - THIRD FLOOR
- A7 DOOR AND WINDOW SCHEDULES
- A8 ROOM FINISH SCHEDULE
- A9 EXTERIOR ELEVATIONS - DEMOLITION
- A10 EXTERIOR ELEVATIONS
- A11 BUILDING SECTIONS
- A12 ELEVATOR PLAN, SECTION, DETAILS
- A13 ROOF PLAN, DETAILS
- A14 DETAILS
- S1 STRUCTURAL PLAN, DETAILS

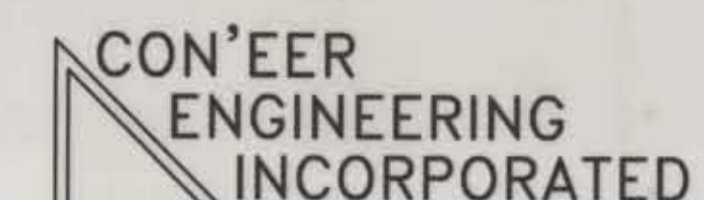
MECHANICAL AND ELECTRICAL

- M1 SCHEDULES
- M2 CRAWLSPACE AND FIRST FLOOR DEMO PLANS
- M3 SECOND FLOOR AND THIRD FLOOR DEMO PLANS
- M4 CRAWLSPACE PLUMBING AND HVAC PLANS
- M5 FIRST FLOOR PLUMBING AND HVAC PLANS
- M6 SECOND FLOOR PLUMBING AND HVAC PLANS
- M7 THIRD FLOOR PLUMBING AND HVAC PLANS
- M8 MECHANICAL DETAILS
- M9 CRAWL SPACE AND BOILER ROOM PLANS
- E1 ELECTRICAL SITE PLAN
- E2 FIRST FLOOR DEMOLITION PLAN
- E3 SECOND AND THIRD FLOOR DEMOLITION PLANS
- E4 FIRST FLOOR POWER AND LIGHTING PLANS
- E5 SECOND FLOOR POWER AND LIGHTING PLANS
- E6 THIRD FLOOR POWER AND LIGHTING PLANS
- E7 SCHEDULES AND DETAILS
- E8 SCHEDULES AND DETAILS

PROJECT TEAM



644 Grand Avenue
Billings, Montana 59102
(406) 245-6363



1629 AVENUE. D, SUITE 7C
BILLINGS, MT. 59102
406-252-3237

MECHANICAL/ELECTRICAL PROFESSIONAL ENGINEERS



C1