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Rapid City Growth
Management Department

CONQUEST DEVELOPMENT
NEW CONSTRUCTION

TRACT G of "RUSHMORE CROSSING"
RAPID CITY, SOUTH DAKOTA

HTG

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PROJECT

CONQUEST DEVELOPMENT

NEW BUILDING

RAPID CITY, SOUTH DAKOTA

OWNER:

CONQUEST DEVELOPMENT SERVICES
432 VADNAIS LAKE DRIVE
VADNAIS HEIGHTS, MN 55127
tel (651) 470-7844
Contact: Mark Bigelbach

ARCHITECT:

H.T.G. ARCHITECTS
9300 HENNEPIN TOWN ROAD
EDEN PRAIRIE, MINNESOTA 55347
tel (952) 278-8880
fax (952) 278-8822
Contact: Kendra Lettau

CIVIL ENGINEER:

FMG, INC
5700 STRUGIS ROAD
RAPID CITY, SD 57702-0317
tel. (605) 342-4105
fax (605) 342-4222
Contact: Jerry Foster

LANDSCAPE:

MARKELL - LABEREE
845 PARK KNOLL DRIVE
EAGAN, MN 55123
tel (952) 474-2260
fax (952) 474-0155
Contact: Chuck Klinefelter

BUILDING CODE INFORMATION

BUILDING TYPE: V-B (SPRINKLERED) — BASED ON 2003 I.B.C.
GROUP OCCUPANCY: B (OFFICE) 5 STORY
21,000 S.F. PER FLOOR

GROSS FLOOR AREA: 7155 S.F. (LOWER FLOOR) 4761 S.F. (MAIN FLOOR) 4687 S.F. (UPPER FLOOR) TOTAL = 11,604 S.F.
PARKING PROVIDED: 41 SPACES, SEE ARCHITECTURAL SITE PLAN FOR PARKING CALCULATIONS

BUILDING AREA	* NET OCCUPIED AREA	NET MECH. & STORAGE
LOWER FLOOR	0 SF	7155 SF
MAIN FLOOR	3044 SF	1460 SF
UPPER FLOOR	2721 SF	1461 SF
TOTAL BLDG. USEABLE AREA	5465 SF	4076 SF

* FOR DETERMINING MEANS OF EGRESS. GROSS AREA LESS CORRIDORS, STAIRS, TOILET ROOMS, MECH. ROOMS & CLOSETS.

OCCUPANT LOAD (100 S.F./OCC. OFFICE) (300 S.F./OCC. MECH. STORAGE)

LOWER FLOOR	5.85 OCC.
MAIN FLOOR	35.64 OCC.
UPPER FLOOR	32.08 OCC.
TOTAL BLDG. OCCUPANTS	74 OCC.

EXITING	ALLOWABLE MAXIMUM AREA	WITH SPRINKLERS
(IBC CHAPTER 10)	9,000 S.F. PER FLR 18,000 S.F. TOTAL	YES (IBC SECTION 506.3)
REQUIRED EXITS: 2 (IBC TABLE 1005.2.1)	ALLOWABLE STORIES = 2 ALLOWABLE MAX. HT = 40'-0"	
PROVIDED EXITS: 2 (IBC SECTION 1004 - TABLE 1004.2.1)		
EXIT WIDTH: 32" MIN. CLEAR (IBC SECTION 1003.2.3)		
STAIR WIDTH: 44" MIN. (IBC SECTION 1003.2.3)		

PLUMBING CALCS

PER IBC CHAPTER 29 - MINIMUM REQUIREMENTS
74 OCCUPANTS (MEN 37 / WOMEN 37)

REQUIRED	MEN	WOMEN	
TOILETS	2	2	
LAVATORY	1	1	
DRINKING FOUNTAIN			1 PROVIDED - UPPER LEVEL
MOP SINK			1 PROVIDED - UPPER LEVEL

PROVIDED
MAIN LEVEL - 1 MENS / 1 WOMENS
UPPER LEVEL - 2 MENS / 2 WOMENS / 1 UNISEX (EMPLOYEE ONLY)

DRAWING INDEX

T5 TITLE SHEET, DRAWING INDEX, & PROJECT DATA

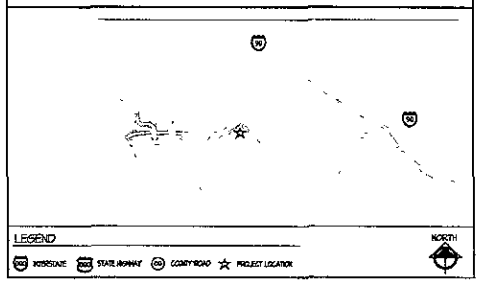
C1 EXISTING TOPOGRAPHIC MAP & DEMOLITION PLAN
C2 LAYOUT PLAN
C3 GRADING AND DRAINAGE PLAN
C4 DETAILS
C5 DETAILS

L1 LANDSCAPE PLAN

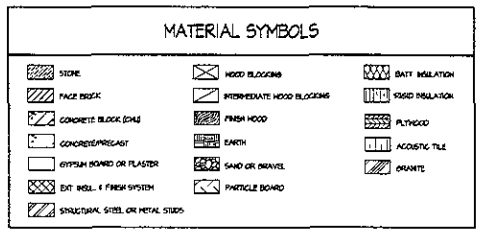
A1 SITE PLAN AND SIGNAGE
A2.1 LOWER LEVEL PLAN
A2.2 MAIN LEVEL PLAN
A2.3 UPPER LEVEL PLAN
A3 EXTERIOR ELEVATIONS

E1 SITE LIGHTING PHOTOMETRICS

VICINITY MAP



MATERIAL SYMBOLS



ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
ACT	ACOUSTICAL TILE
ADJ.	ADJUSTABLE
ALT	ALTERNATE
ALUM.	ALUMINUM
APPROX.	APPROXIMATE
BM.	BEAM
BRG.	BEARING
BITUM.	BITUMINOUS
BLKG.	BLOCKING
BOTT.	BOTTOM
B.O.	BOTTOM OF
BLDG.	BUILDING
CPT	CARPET
CLG.	CEILING
CT	CERAMIC TILE
COL.	COLUMN
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST	CONSTRUCTION
CONT	CONTINUOUS
C.J.	CONTROL JOINT
DIAG.	DIAGONAL
DIA.	DIAMETER
DR.	DOOR
ELEC.	ELECTRIC (AL)
EPDM	EDPM/EPDM/PROPYLENE/ETHYLENE/MONOMER
	ROOFING MEMBRANE
EWC	ELECTRICAL WATER COOLER
EL.	ELEVATION
ELEV	ELEVATOR
EQ.	EQUAL
EQUIP	EQUIPMENT
EXTG.	EXISTING
EXP. JT.	EXPANSION JOINT
EXT.	EXTERIOR
EIFS	EXTERIOR INSULATION FINISH SYSTEM
FIN.	FINISH (ED)
FEC	FIRE EXTINGUISHER CABINET
FLRS.	FLOORING
F.D.	FLOOR DRAIN
FT.	FOOT
FTG.	FOOTING
FND	FOUNDATION
FURG	FURRING
GA.	GAUGE
GALV	GALVANIZED
GL.	GLASS
GYP.BD	GYPSUM BOARD
HVAC	HEATING/VENTILATION/AIR CONDITIONING
HT	HEIGHT
HM	HOLLOW METAL
HORIZ.	HORIZONTAL
INL	INCH
INCL.	INCLUD (ED) (ING)
ID	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
ISO.	ISOCYANURATE
JT	JOINT
LAM.	LAMINATE
MFR.	MANUFACTURER
M.O.	MASONRY OPENING
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MTL.	METAL
M.LAM.	METAL LAMINATE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MILL	MILLION
NOM.	NOMINAL
NIC	NOT IN CONTRACT
NTS.	NOT TO SCALE
NO.	NUMBER
O.C.	ON CENTER
OPNG.	OPENING
O.D.	OUTSIDE DIAMETER
PART. BD.	PARTICLE BOARD
PLAM.	PLASTIC LAMINATE
PL.	PLATE
PLYWD.	PLYWOOD
PVC.	POLYVINYL CHLORIDE
PRFT'D	PREFINISHED
QT	QUARRY TILE
RAD.	RADIUS
RECP	RECEPTACLE
REF	REFERENCE
REINF	REINFORCE (D) (ING)
REPL.	REPLACEMENT
REV	REVISION
R.D.	ROOF DRAIN
RM.	ROOM
R.O.	ROUGH OPENING
SIM.	SIMILAR
SPEC.	SPECIFICATION (S)
SQ.	SQUARE
STL.	STAINLESS STEEL
STD	STANDARD
STL.	STEEL
S.D.	STORM DRAIN
STRUCT	STRUCTURAL
SUSP	SUSPENDED
TEMP	TEMPERED
THK.	THICK (NESS)
T&G	TONGUE AND GROOVE
T.O.	TOP OF
TRTD	TREATED
TYP	TYPICAL
VBL	VAPOR BARRIER
VRY	VERSIFY
VCT	VINYL COMPOSITE TILE
WT.	WEIGHT
WWF	WELDED WIRE FABRIC
W/	WITH
WDW.	WINDOW
W/O	WITHOUT
WD	WOOD

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF SOUTH DAKOTA

JEFFREY J. ERLINSEN

REG. NO. DATE

ISSUED SET 03-25-09 PLANNING SUBMITTAL
REVISIONS
DATE NO

TITLE SHEET
DRAWING INDEX
PROJECT DATA

DRAWN BY: KJB CHECKED BY: KLL

TS

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