



BUILDING DESIGN REQUIREMENTS

SIOUX LOOKOUT FIREHALL EXPANSION (94041)

Architectural Review

Building Area Existing: 3709 (344.7 m²)
 Building Area Addition: 3088 (284.8 m²)
 TOTAL Building Area: 6797 (629.5 m²)

BUILDING CLASSIFICATION: Group F, Division 2 (Medium Hazard Industrial)

BUILDING CONSTRUCTION: 1 story without basement, combustible or non-combustible, construction ungrouted, facing 1 street (North wall) to be non-combustible construction and South to be non-combustible as required by O.B.C. Part 3, 3.2.2.5)

DESIGN CRITERIA: OCCUPANT LOAD: 14 persons (see per O.B.C. 3.1.16.1) ACCESS: Access for the handicapped must be provided (incl. 1 entrance to be barrier free), handicapped accessible MR must be provided.

Fire Safety Requirements

Mechanical room to be fire rated
 Number of exits required - 2 provided as per O.B.C.3.4.2.
 Travel distance not to exceed 52 M (25 m)
 Fire stop required in office space
 Fire alarm system is not required (3.4.2.1)

Spill Separation and Exposure Protection (Industrial)

North Wall adjacent to a Town Works (side of building wall) to be of non-combustible construction (with non-combustible cladding - if applicable) 1 for fire rated

Occupant Load (O.B.C. 3.1.16.1)
 Based on table 3.1.16.1.A): 14 persons
 Sanitary requirements: Min. number of water closets is 2 per no. sex. MR to be handicapped accessible or a separate MR with barrier free access must be provided.
 Provided 2 waterroom, 1 to be 6/12 accessible.

WALL SCHEDULE

1	4" ARCHITECTURAL BRICK 1" AIR SPACE (PROVIDE 1" ROD @ COLLARS) 4" ROOF INSULATION (DOW 5M OR EQUAL) STEEL STRUCTURAL FRAME (SEE STRUCTURALS) 4" STANDBY CONCRETE BLOCK
2	ARCHITECTURAL VERTICAL PREFINISHED STEEL SING. METAL STRAPPING @ 24" C/C THIN MOISTURE BARRIER 8" BATT INSULATION (2" W VAPOUR BARRIER, BAGED) STEEL STRUCTURAL FRAME (SEE STRUCTURALS) METAL STRAPPING @ 24" C/C ARCHITECTURAL VERTICAL PREFINISHED STEEL SING.
3	4" ARCHITECTURAL BRICK 1" AIR SPACE THIN MOISTURE BARRIER 1/2" EXT. SPR. PL WOOD SHEATHING 2" EPS STUCCO @ 15" C/C R-22 F.F. BATT INSULATION 6 MI POLYETH. VAPOUR BARRIER 5/8" TYPE "X" GYPSUM BOARD
4	ARCHITECTURAL VERTICAL PREFINISHED STEEL SING. METAL STRAPPING @ 24" C/C THIN MOISTURE BARRIER 1/2" EXT. SPR. PL WOOD SHEATHING 2" EPS STUCCO @ 15" C/C R-22 F.F. BATT INSULATION 6 MI POLYETH. VAPOUR BARRIER 5/8" TYPE "X" GYPSUM BOARD
5	EXISTING WALL ASSEMBLY METAL FURRING CHANNEL @ 24" C/C (NEW ADDITION SEE ONLY) 5/8" GYPSUM WALL BOARD (NEW ADDITION SEE ONLY)
6	5/8" GYPSUM WALL BOARD 2" STUCCO @ 15" C/C (FRAME TO 1/2 OF STRUCTURAL) 5/8" GYPSUM WALL BOARD
7	5/8" TYPE "X" GYPSUM WALL BOARD 2" STUCCO @ 15" C/C (FRAME TO 1/2 OF STRUCTURAL) SOUND ATTENUATION INSULATION 5/8" TYPE "X" GYPSUM WALL BOARD

LEGEND

- ➔ Building Entrance
- F.F.E.101.00 Finished main floor elevation
- ⊙ Door Number
- ⊙ Window Number
- ⊙ Wall Type

COTNAM + BELAIR + ASSOCIATES

KEY PLAN

ENGINEERS FNA ENGINEERS LTD

PROJECT TITLE: SIOUX LOOKOUT DRAYTON FIREHALL EXPANSION SIOUX LOOKOUT, ON

DIMENSIONING NOTE:

ALL DIMENSIONS AND ELEVATIONS ON THIS DRAWING ARE IN IMPERIAL

ALL DIMENSIONS ARE FROM FACE OF MASONRY UNLESS OTHERWISE NOTED.

FLOOR PLAN

SCALE: AS SHOWN

DATE: JULY 1994

PROJECT NUMBER: 94041

DRAWING NUMBER: A1

FLOOR PLAN
Scale: 1/4" = 1'-0"

SEP 14 1994