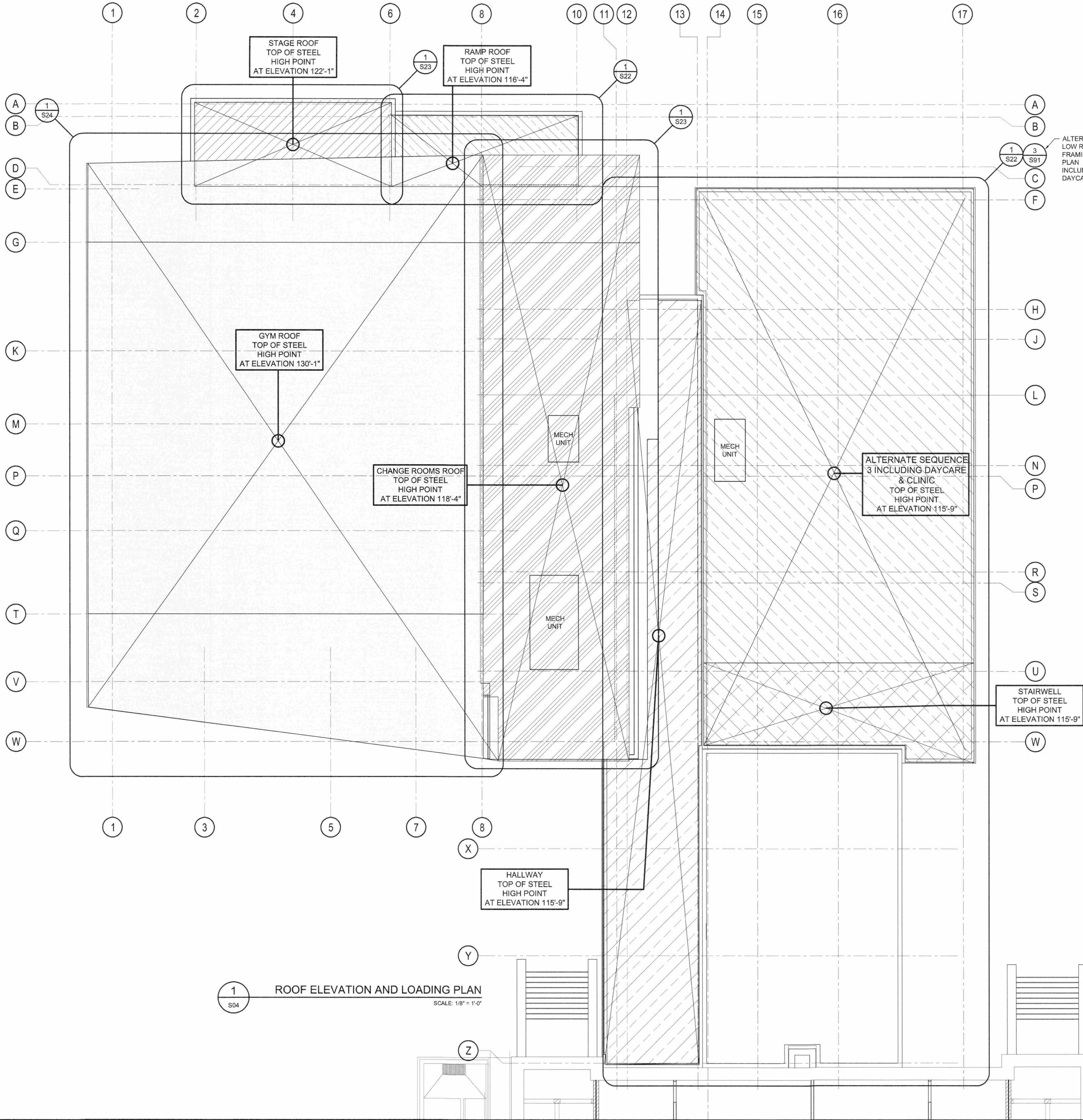


File Location: r:\27000\27672-000.1 - opepo - 2720 richmond road (cmfo)\JLR DWG\Struct\27672 S03 S21.dwg



DESIGN LOADS:

ALL ROOFS:

SNOW LOAD = 48.5psf (2.32 kPa) + BUILT UP SNOW
SEE BUILT UP SNOW DIAGRAM ON S03

GYM ROOF: ELEVATION 130' - 1" (MAIN ROOF)

DEAD LOADS:

JOISTS (GRID E - M)	=	3.1 psf (0.15 kPa)
DECK	=	2.1 psf (0.1 kPa)
M/E	=	5.2 psf (0.25 kPa)
ROOFING	=	7.3 psf (0.35 kPa)
STRUCTURE	=	5.4 psf (0.25 kPa)
		23.1 psf (1.1 kPa)

STAGE ROOF: ELEVATION 122' - 1"

DEAD LOADS:

JOISTS	=	2.1 psf (0.10 kPa)
DECK	=	3.1 psf (0.15 kPa)
M/E	=	5.2 psf (0.25 kPa)
ROOFING	=	7.3 psf (0.35 kPa)
SUSPENDED CEILING	=	4.2 psf (0.20 kPa)
STRUCTURE	=	5.64 psf (0.27 kPa)
		27.54 psf (1.32 kPa)

LIVE LOAD ALLOWANCE: = 75.2 psf (3.6 kPa)

CHANGE ROOMS ROOF: ELEVATION 118' - 4" (3rd ROOF)

DEAD LOADS:

JOISTS	=	3.1 psf (0.15 kPa)
DECK	=	3.1 psf (0.15 kPa)
M/E	=	5.2 psf (0.25 kPa)
ROOFING	=	7.3 psf (0.35 kPa)
SUSPENDED CEILING	=	4.2 psf (0.20 kPa)
STRUCTURE	=	6.1 psf (0.29 kPa)
		29 psf (1.39 kPa)

RAMP ROOF: ELEVATION 116' - 4" (2nd ROOF)

DEAD LOADS:

JOISTS	=	2.1 psf (0.10 kPa)
DECK	=	3.1 psf (0.15 kPa)
M/E	=	5.2 psf (0.25 kPa)
ROOFING	=	7.3 psf (0.35 kPa)
SUSPENDED CEILING	=	4.2 psf (0.20 kPa)
STRUCTURE	=	3.75 psf (0.18 kPa)
		21.45 psf (1.34 kPa)

HALLWAY ROOF: ELEVATION 115' - 9"

DEAD LOADS:

JOISTS	=	2.1 psf (0.10 kPa)
DECK	=	2.1 psf (0.10 kPa)
M/E	=	5.2 psf (0.25 kPa)
ROOFING	=	7.3 psf (0.35 kPa)
SUSPENDED CEILING	=	4.2 psf (0.20 kPa)
STRUCTURE	=	3.1 psf (0.15 kPa)
		24 psf (1.15 kPa)

ALTERNATE SEQUENCE 3 INCLUDING DAYCARE & CLINIC: ELEVATION 115' - 9"

DEAD LOADS:

JOISTS	=	2.1 psf (0.10 kPa)
DECK	=	2.1 psf (0.10 kPa)
M/E	=	5.2 psf (0.25 kPa)
ROOFING	=	7.3 psf (0.35 kPa)
SUSPENDED CEILING	=	4.2 psf (0.20 kPa)
STRUCTURE	=	3.1 psf (0.15 kPa)
		24 psf (1.15 kPa)

STAIRWELL ROOF: ELEVATION 115' - 9"

DEAD LOADS:

JOISTS	=	2.1 psf (0.10 kPa)
DECK	=	2.1 psf (0.10 kPa)
M/E	=	5.2 psf (0.25 kPa)
ROOFING	=	7.3 psf (0.35 kPa)
SUSPENDED CEILING	=	4.2 psf (0.20 kPa)
STRUCTURE	=	3.1 psf (0.15 kPa)
		24 psf (1.15 kPa)



PROJECT:
MAISON DE LA FRANCOPHONIE D'OTTAWA
2720 RICHMOND ROAD, OTTAWA

DRAWING:
ROOF KEY PLAN AND LOADS

DESIGN: SDB/VR
DRAWN: JPS
CHECKED: MJB
JLR #: 27672-001
DRAWING #:
S04

PLOT DATE: May 31, 2018 1:32:31 PM