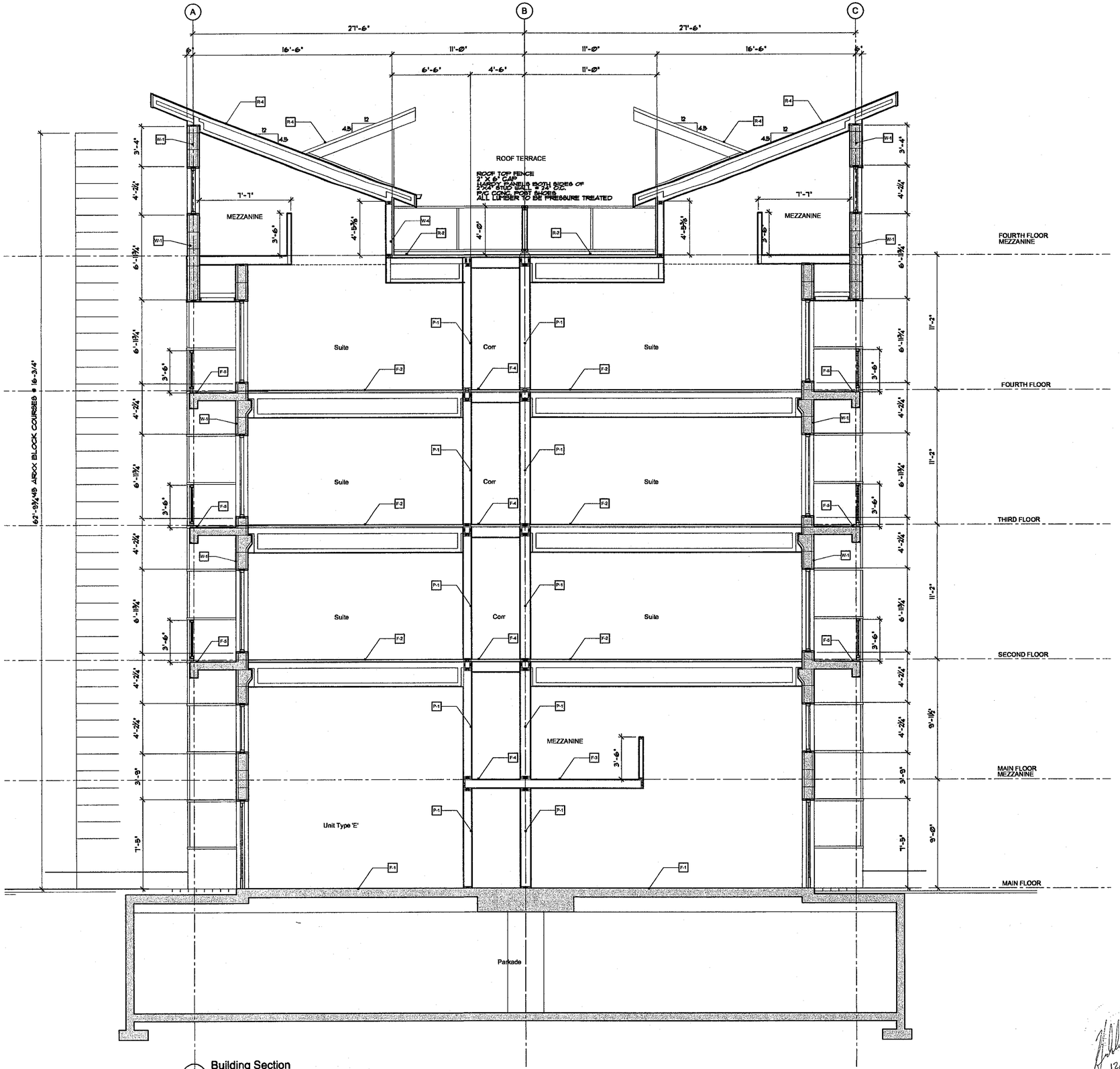

1 A-3.4 Building Section
SCALE: 1/4" = 1'-0"

ROOF TYPES

R-1
2 PLY TORCH-ON ROOF MEMBRANE
MIN 4" RIGID INSULATION SLOPED 1/4" PER 1'-0"
5/8" T&G PLYWOOD DECK
ENGINEERED TRUSSES @ 24" O.C.
6 mil POLY VAPOUR BARRIER
5/8" TYPE X GYPSUM BOARD

R-2
LIGHTWEIGHT CONCRETE PAVERS
ON PLASTIC LEVELING PEDESTALS
2 PLY TORCH-ON ROOF MEMBRANE
MIN 4" RIGID INSULATION SLOPED 1/4" PER 1'-0"
ON ENGINEERED TRUSSES @ 24" O.C.
6 mil POLY VAPOUR BARRIER
5/8" TYPE X GYPSUM BOARD

R-3
LIGHTWEIGHT CONCRETE PAVERS
ON PLASTIC LEVELING PEDESTALS
2 PLY TORCH-ON ROOF MEMBRANE
MIN 4" RIGID INSULATION SLOPED 1/4" PER 1'-0"
ON CONCRETE SLAB (SEE STRUCTURAL)
SPRAYED FIRE RESISTANT

R-4
40 YEAR FIBREGLASS SHINGLES
ROOFING PAPER
1/2" T&G PLYWOOD SHEATHING C/W H CLIPS
ON ENGINEERED TRUSSES @ 24" O.C.
R-40 BATT INSULATION
6 mil POLY VAPOUR BARRIER
5/8" TYPE X GYPSUM BOARD

INTERIOR WALL TYPES

P-1
8" CORRIDOR WALLS -
1 LAYER 5/8" TYPE X GYPSUM BOARD
2 X 6 STUDS STAGGERED @ 16" O.C.
ON 2 X 8 PLATES TOP AND BOTTOM
1 LAYER OF SOUND ATTENUATION BATT INSULATION
2 LAYERS 5/8" TYPE X GYPSUM BOARD
1 HR FIRE RATED WALL ASSEMBLY BCBC W8a STC 52

P-2
12" PARTY WALL -
1 LAYER 5/8" TYPE X GYPSUM BOARD
2 X 4 STUDS STAGGERED @ 16" O.C.
ON 2 X 4 PLATES TOP AND BOTTOM
3-3/4" AIR SPACE 2 X 4 STUDS @ 16" O.C.
ON 2 X 4 PLATES TOP AND BOTTOM
1 LAYER OF SOUND ATTENUATION BATT INSULATION
1 LAYER 5/8" TYPE X GYPSUM BOARD
1 HR FIRE RATED WALL ASSEMBLY BCBC W3c STC 54

P-3
8" PARTY WALL -
1 LAYER 5/8" TYPE X GYPSUM BOARD
2 X 4 STUDS @ 16" O.C.
ON 2 X 4 PLATES TOP AND BOTTOM
1" AIR SPACE 2 X 4 STUDS @ 16" O.C.
ON 2 X 4 PLATES TOP AND BOTTOM
1 LAYER OF SOUND ATTENUATION BATT INSULATION
1 LAYER 5/8" TYPE X GYPSUM BOARD
1 HR FIRE RATED WALL ASSEMBLY BCBC W3c STC 54

P-4
INTERIOR PARTITION - NON LOAD BEARING
1 LAYER 1/2" GYPSUM BOARD
2 X 4 STUDS @ 16" O.C.
ON 2 X 4 PLATES TOP AND BOTTOM
1 LAYER 1/2" GYPSUM BOARD

P-5
SUITE - ELEVATOR SHAFT
1 LAYER 5/8" TYPE X GYPSUM BOARD
RESILIANT FURRING CHANNELS @ 16" O.C.
11-1/2" ARDX WALL SYSTEM WITH 6" CONCRETE CORE
1 HR FIRE RATED WALL ASSEMBLY BCBC W3c STC 59

NOTE: PLATFORM FRAME ALL CONSTRUCTION TO EACH FLOOR LEVEL INCLUDING ALL MEZZANINE LEVELS.

P-6
INTERIOR WALL - LOAD BEARING
1 LAYER 1/2" GYPSUM BOARD
2 X 4 STUDS @ 16" O.C.
2-2 X 4 TOP PLATES
2- 2 X 4 BOTTOM PLATES
1 LAYER 1/2" GYPSUM BOARD

P-7
ARDX PARTY WALL -
1 LAYER 5/8" TYPE X GYPSUM BOARD
11-1/2" ARDX WALL SYSTEM WITH 6" CONCRETE CORE
1 LAYER 5/8" TYPE X GYPSUM BOARD

P-8
SHAFT WALL -
1 LAYER 5/8" TYPE X GYPSUM BOARD
3-5/8" STEEL STUDS @16" O.C.
1 LAYER 5/8" TYPE X GYPSUM BOARD

P-9
STORAGE ROOM PARKADE
1 LAYER 5/8" TYPE X GYPSUM BOARD
2-5/8" STEEL STUDS @ 16" O.C.
1 LAYER 5/8" TYPE X GYPSUM BOARD
1 HR. RATED ASSEMBLY

P-10
PARKADE
8" CONCRETE BLOCKWORK
PAINTED
1 HR. RATED ASSEMBLY

P-11
6" CORRIDOR WALL -
1 LAYER 5/8" TYPE X GYPSUM BOARD
2 X 4 STUDS @ 16" O.C.
ON 2 X 6 PLATES TOP AND BOTTOM
1 LAYER OF SOUND ATTENUATION BATT INSULATION
1 LAYER 5/8" TYPE X GYPSUM BOARD
1 HR FIRE RATED WALL ASSEMBLY BCBC W3c STC 54

P-12
12" PARTY WALL -
1 LAYER 5/8" TYPE X GYPSUM BOARD
2 X 6 STUDS @ 16" O.C.
ON 2 X 6 PLATES TOP AND BOTTOM
1" AIR SPACE
1 LAYER OF SOUND ATTENUATION BATT INSULATION
2 X 6 STUDS @ 16" O.C.
ON 2 X 6 PLATES TOP AND BOTTOM
1 LAYER 5/8" TYPE X GYPSUM BOARD
1 HR FIRE RATED WALL ASSEMBLY BCBC W3c STC 54

FLOOR TYPES

F-1
MAIN FLOOR ASSEMBLY:
POLISHED CONCRETE FINISH TO
STRUCTURAL CONCRETE SLAB

F-2
TYPICAL FLOOR ASSEMBLY:
1 1/2"CONCRETE TOPPING min 70 kg/m2 ON
5/8" T&G OSB, SUBFLOOR ON
ENGINEERED WOOD TRUSSES @ 24" MAX O.C.
NO ABSORPTIVE MATERIAL IN CAVITY
RESILIANT METAL CHANNELS @ 24" O.C.
2 LAYERS OF 5/8" TYPE-X GYPSUM BOARD
(BCBC ASSEMBLY # F38b
1.0 HR. FIRE RESISTANCE RATING
STC 49,IIC-38)

F-3
MEZZANINE FLOOR:
5/8" T&G OSB, SUBFLOOR ON
2x8 JOISTS @ 16"O.C. MAX
NO ABSORPTIVE MATERIAL IN CAVITY
RESILIENT METAL CHANNELS @ 24" O.C.
2 LAYERS 5/8" TYPE-X GYPSUM BOARD
(BCBC ASSEMBLY # F37, 1 HR FRR,
STC : 48, IIC-40)

F-4
CORRIDOR FLOOR:
1 1/2" CONCRETE TOPPING MIN (70kg/m2) ON
5/8" T&G OSB, SUBFLOOR ON
2x8 WOOD JOISTS @ 16"O.C. (MAX)
NO ABSORPTIVE MATERIAL IN CAVITY
RESILIENT METAL CHANNELS @ 24" O.C.
2 LAYERS 1/2" TYPE-X GYPSUM BOARD
(BCBC ASSEMBLY # F13,) FRR 1 HR.
STC 51, IIC-31)

F-6
EXTERIOR DECK:
SHEET VINYL DECKING ON
SLOPED STRUCTURAL SLAB

EXTERIOR WALL TYPES

W-1
HARDY PANELS PAINTED - PAINTED
PRE FIN METAL VERTICAL TRIM
AT ALL VERTICAL JOINTS
PRE FINISHED METAL FLASHINGS
AT ALL HORIZONTAL JOINTS
11-1/2" ARDX WALL SYSTEM WITH
REINFORCED CONCRETE CORE
1/2" GYPSUM BOARD PAINTED

W-2
HARDY PANELS PAINTED - PAINTED
PRE FIN METAL VERTICAL TRIM
AT ALL VERTICAL JOINTS
PRE FINISHED METAL FLASHINGS
AT ALL HORIZONTAL JOINTS
11-1/2" ARDX WALL SYSTEM WITH
REINFORCED CONCRETE CORE
HARDY PANELS PAINTED - PAINTED
HARDY BOARD VERTICAL TRIM - PAINTED
AT ALL VERTICAL JOINTS
PRE FINISHED METAL FLASHINGS
AT ALL HORIZONTAL JOINTS

W-3
3/4" SMOOTH FINISHED CEMENT PARGING,
STUCCO MESH AND BUILDING PAPER
11-1/2" ARDX WALL SYSTEM WITH
REINFORCED CONCRETE CORE
1/2" GYPSUM BOARD PAINTED

W-4
HARDY PANELS PAINTED - PAINTED
PRE FIN METAL VERTICAL TRIM
AT ALL VERTICAL JOINTS
PRE FINISHED METAL FLASHINGS
AT ALL HORIZONTAL JOINTS
1 X 4 ON FLAT TREATED WOOD STRAPPING
2 - LAYERS OF BUILDING PAPER
1/2" SHEATHING
2 X 6 STUDS
R-20 BATT INSULATION
6 mil POLY VAPOUR BARRIER
5/8" TYPE X GYPSUM BOARD PAINTED

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PERMIT & INSPECTION SERVICES

12/12/03

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The Wing
Proposed Multi Family Residential Development
105 & 109 Wilson Street,
Victoria, B.C.

SHEET TITLE
BUILDING SECTION

DESIGN	N. Bawlf	SHEET NO.
DRAWN		A3.4
SCALE	AS SHOWN	
DATE	24-Nov-03	OF