NOV-21
2000

# DRAWING LIST:

## ARCHITECTURAL:

| | |
|---|---|
| A1 | SITE PLAN |
| A2 | BASEMENT FLOOR PLAN – NORTH BLOCK |
| A3 | BASEMENT FLOOR PLAN – CENTRE & SOUTH BLOCK |
| A4 | GROUND FLOOR PLAN – NORTH BLOCK |
| A5 | GROUND FLOOR PLAN – SOUTH BLOCK/CENTRE BLOCK & LINK |
| A6 | THIRD FLOOR PLAN – NORTH BLOCK |
| A7 | THIRD FLOOR PLAN – SOUTH BLOCK |
| A8 | ROOF PLAN |
| A9 | TYPICAL FIREPLACE DETAILS/PRECAST DETAILS |
| A10 | DETAILED UNIT PLANS – NORTH & SOUTH BLOCK |
| A11 | BUILDING SECTIONS – NORTH & SOUTH BLOCKS |
| A12 | BUILDING SECTIONS – GARAGE LINK/COMMON BUILDING |
| A13 | WEST ELEVATION |
| A14 | NORTH & SOUTH ELEVATIONS |
| A15 | EAST ELEVATION |
| A16 | PART ELEVATIONS |
| A17 | TYPICAL WALL SECTIONS |
| A18 | WALL SECTIONS |
| A19 | WALL SECTIONS |
| A20 | WALL SECTIONS |
| A21 | WALL SECTIONS |
| A22 | WALL SECTIONS |
| A23 | PLAN DETAILS |
| A24 | STAIR DETAILS |
| A25 | STAIR DETAILS |
| A26 | STAIR DETAILS |
| A27 | WINDOW SCHEDULE |
| A28 | DOOR SCHEDULE |
| A29 | ROOM FINISH SCHEDULE |
| A30 | MAILBOX DETAILS & MILLWORK |
| A31 | MILLWORK & SECTIONS |

## LANDSCAPE:

| | |
|---|---|
| L1 | GRADING LAYOUT & DETAILS |
| L2 | PLANTING PLAN |

## STRUCTURAL:

| | |
|---|---|
| S–0 | GENERAL NOTES & TYPICAL DETAILS |
| S–1 | KEY PLANS – GROUND FLOOR – FOUNDATION |
| S–2 | KEY PLANS – TYPICAL FLOOR – ROOF |
| S–3 | FOUNDATION PLAN LAYOUT |
| S–4 | GROUND FLOOR PLAN – LEVEL 2 LAYOUT |
| S–5 | SECOND & THIRD FLOOR PLAN LEVEL – LAYOUT |
| S–6 | GROUND FLOOR PLAN – LEVEL 2 – REINFORCING |
| S–7 | SECOND & THIRD FLOOR PLAN – REINFORCING |
| S–8 | ROOF PLAN – COMMUNITY BUILDING |
| S–9 | ROOF FRAMING PLAN |
| S–10 | BEAM SCHEDULE |
| S–11 | SCHEDULES, SECTION & DETAILS |
| S–12 | SECTIONS |
| S–13 | SECTIONS |
| S–14 | SECTIONS |

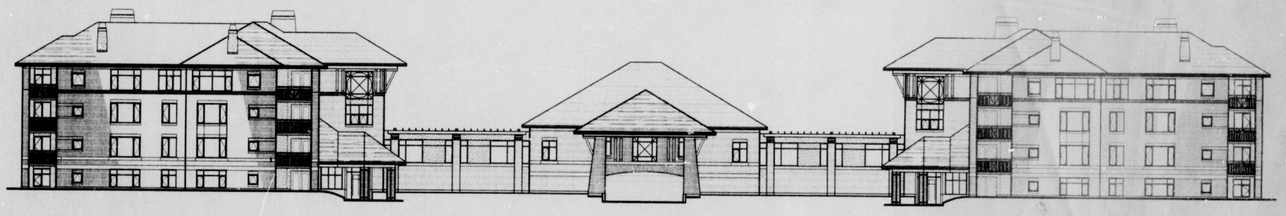
## MECHANICAL:

| | |
|---|---|
| ME1 | MECHANICAL/ELECTRICAL SITE PLAN |
| M1 | MECHANICAL SUB-GRADE PLUMBING – NORTH & CENTRE BLOCK |
| M2 | MECHANICAL PLUMBING & FIRE PROTECTION BASEMENT LEVEL 1 – NORTH & CENTRE BLOCK |
| M3 | MECHANICAL PLUMBING & FIRE PROTECTION SOUTH & CENTRE BLOCK |
| M4 | MECHANICAL PLUMBING & FIRE PROTECTION TYPICAL FLOOR PLAN – NORTH & CENTRE BLOCK |
| M5 | MECHANICAL PLUMBING & FIRE PROTECTION TYPICAL FLOOR PLAN – SOUTH & CENTRE BLOCK |
| M6 | MECHANICAL PLUMBING & FIRE PROTECTION RISERS, DETAILS & COMMUNITY BUILDING |
| M7 | MECHANICAL BASEMENT – NORTH & PART CENTRE BLOCK |
| M8 | MECHANICAL BASEMENT SOUTH & PART CENTRE BLOCK |
| M9 | MECHANICAL – GROUND & SECOND FLOORS TYPICAL OF NORTH & SOUTH BLOCKS |
| M10 | MECHANICAL THIRD FLOOR – NORTH BLOCK |
| M11 | MECHANICAL THIRD FLOOR – SOUTH BLOCK |
| M12 | MECHANICAL PAVILLION/PAVILLION MECH. ROOM & VARIOUS ROOMS |
| M13 | MECHANICAL ROOF PLAN – TYPICAL OF NORTH & SOUTH BLOCKS |
| M14 | MECHANICAL HVAC EQUIPMENT SCHEDULES & LEGEND |

## ELECTRICAL:

| | |
|---|---|
| E1 | BASEMENT /LEVEL 1 – NORTH BLCOK |
| E2 | BASEMENT/LEVEL 1 – CENTRE & SOUTH BLOCK |
| E3 | GROUND FLOOR TYPICAL OF SECOND & THIRD – NORTH BLOCK |
| E4 | GROUND FLOOR TYPICAL OF SECOND & THIRD – SOUTH BLCOK |
| E5 | DISTRIBUTION, FIRE ALARM & RISERS |
| E6 | TYPICAL FLOOR PLAN – NORTH & CENTRE BLOCK |
| | MECHANICAL EQUIPMENT & PANELBOARD SCHEDULES |

PLOT DATE:
OCTOBER 13/98
ISSUED FOR:
TENDER
ONLY



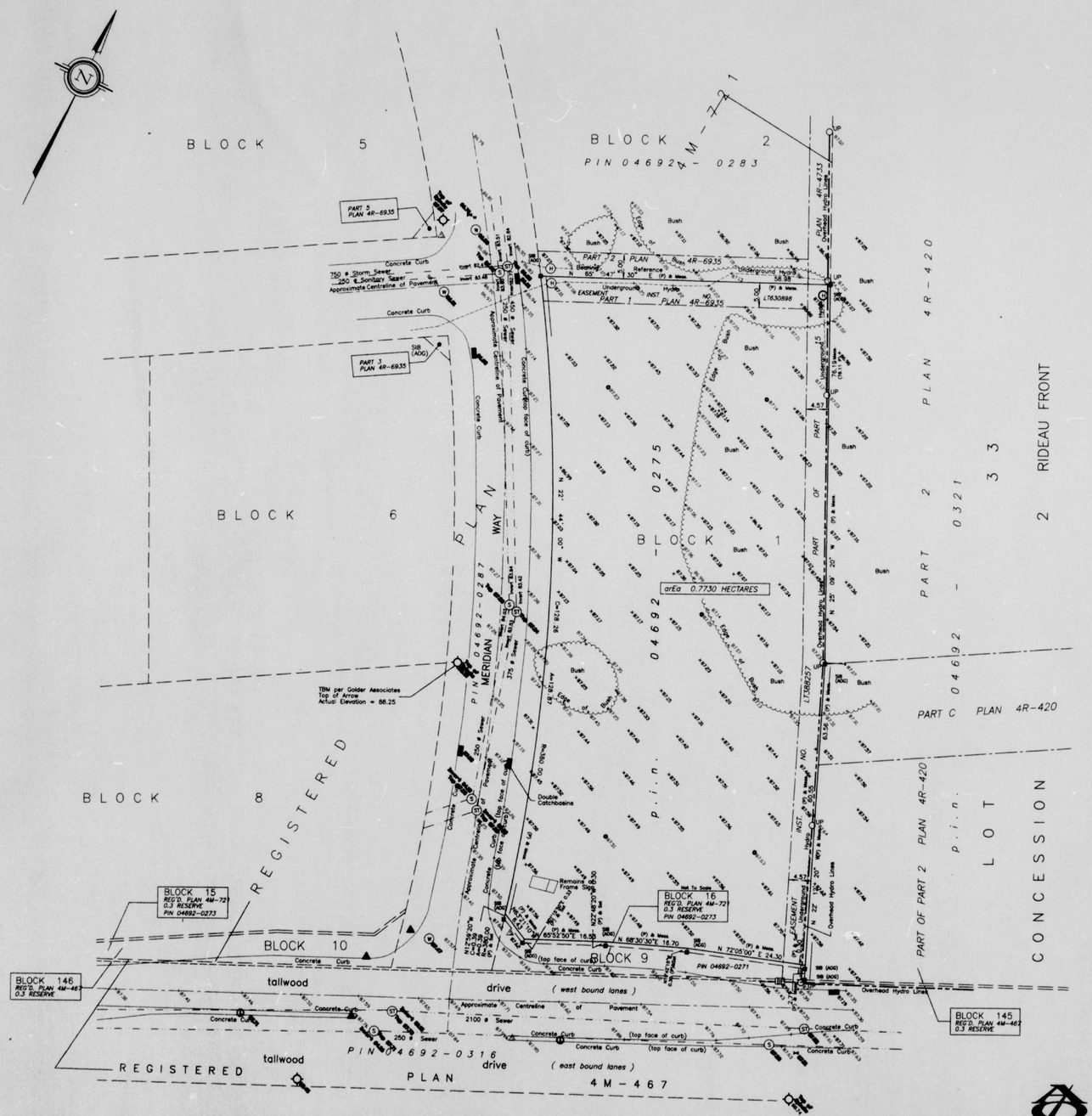
# MERIDIAN AT CENTREPOINT

## NEPEAN, ONTARIO

CITY OF NEPEAN
PLANS EXAMINED
NOV 4 1998

CITY OF NEPEAN
RECEIVED
OCT 13 1998
BUILDING DEVELOPMENT DIVISION

BARRY J. HOBIN & ASSOCIATES ARCHITECTS INCORPORATED




TOPOGRAPHICAL PLAN OF
BLOCK 1
REGISTERED PLAN 4M-721
CITY OF NEPEAN
REGIONAL MUNICIPALITY OF OTTAWA CARLETON

Scale 1 : 400

30 20 10 0 15 30 METRES

METRIC : Distances shown on this plan are in metres and can be converted to feet by dividing by 0.3048.

Prepared by Annis, O'Sullivan, Vollebekk Ltd.
1998

NOTES AND LEGEND

| | | | |
|---|---|---|---|
| 1. | | | ELEVATIONS ARE REFERRED TO GEODETIC DATUM |
| 2. | (LP) | Denotes | LAMP POST |
| 3. | | " | DECIDUOUS TREE |
| 4. | BP | " | BELL PEDESTAL |
| 5. | (ST) | " | MAINTENANCE HOLE (STORM SEWER) |
| 6. | (S) | " | MAINTENANCE HOLE (SANITARY SEWER) |
| 7. | (H) | " | MAINTENANCE HOLE (HYDRO) |
| 8. | (W) | " | MAINTENANCE HOLE (WATER) |
| 9. | • | " | TEST HOLE |
| 10. | | " | WATER VALVE |
| 11. | | " | FIRE HYDRANT |
| 12. | | " | CATCH BASIN |
| 13. | | " | SIGN |
| 14. | UP | " | UTILITY POLE |
| 15. | SIB | " | STANDARD IRON BAR |
| 16. | SSIB | " | SHORT STANDARD IRON BAR |
| 17. | IB | " | IRON BAR |
| 18. | ■ | " | FOUND IRON BAR |
| 19. | □ | " | PLANTED IRON BAR |
| 20. | Meas. | " | MEASURED |
| 21. | Acc. | " | ACCEPTED |
| 22. | (P) | " | REGISTERED PLAN 4M-721 |
| 23. | (AOG) | " | ANNIS O'SULLIVAN VOLLEBEKK LTD. |
| 24. | ×65.00 | " | LOCATION OF ELEVATION |

UTILITY INFORMATION WAS VERIFIED IN THE FIELD WHERE POSSIBLE. INDIVIDUAL UTILITY COMPANIES SHOULD BE CONTACTED FOR CONFIRMATION OF EXISTENCE AND LOCATION OF THE UTILITIES.

ELEVATIONS WERE DERIVED FROM BENCH MARKS BY OLIVER, MANGIONNE & McCALLIA & ASSOCIATES LTD., LOCATED ON CENTREPOINTE DRIVE AS SHOWN ON DRAWING # 82-3451-3

SEWER INFORMATION COMPILED FROM A PLAN BY CECIL D. NARAINE LTD.

Bearings are astronomic derived from the northerly limit of Block 1, Registered Plan 4M-721 shown to have a bearing of N 65° 47' 30" E thereon.

Date

EDWARD M. LANCASTER
Ontario Land Surveyor

FROM THE OFFICE OF
ANNIS, O'SULLIVAN, VOLLEBEKK LTD
ONTARIO LAND SURVEYORS
NEPEAN (OTTAWA) ONTARIO.

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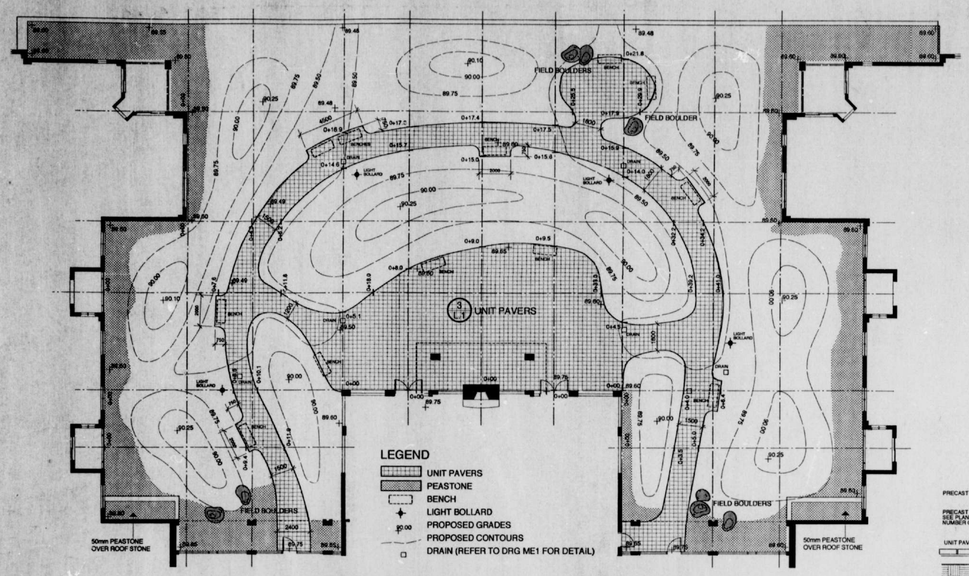
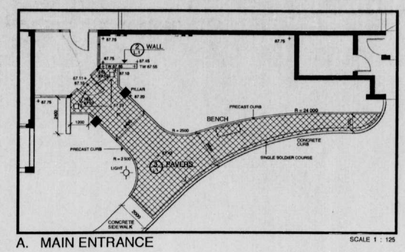
98-98.DWG



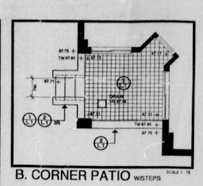

## ROOF DECK

SCALE 1 : 125

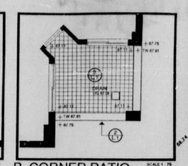



A. MAIN ENTRANCE

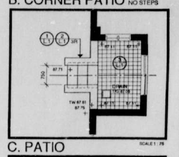
SCALE 1 : 125



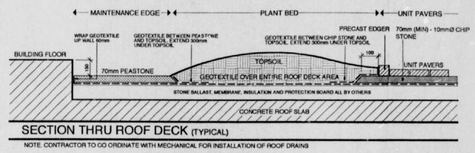
B. CORNER PATIO W/STEPS



B. CORNER PATIO NO STEPS

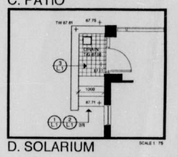


C. PATIO

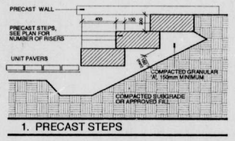



SECTION THRU ROOF DECK (TYPICAL)

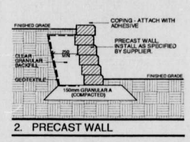
NOTE: CONTRACTOR TO CO ORDINATE WITH MECHANICAL FOR INSTALLATION OF ROOF DRAINS



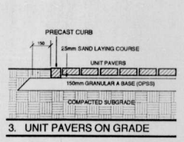
D. SOLARIUM



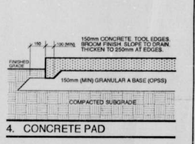

1. PRECAST STEPS



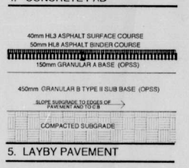

2. PRECAST WALL



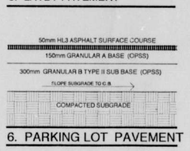

3. UNIT PAVERS ON GRADE



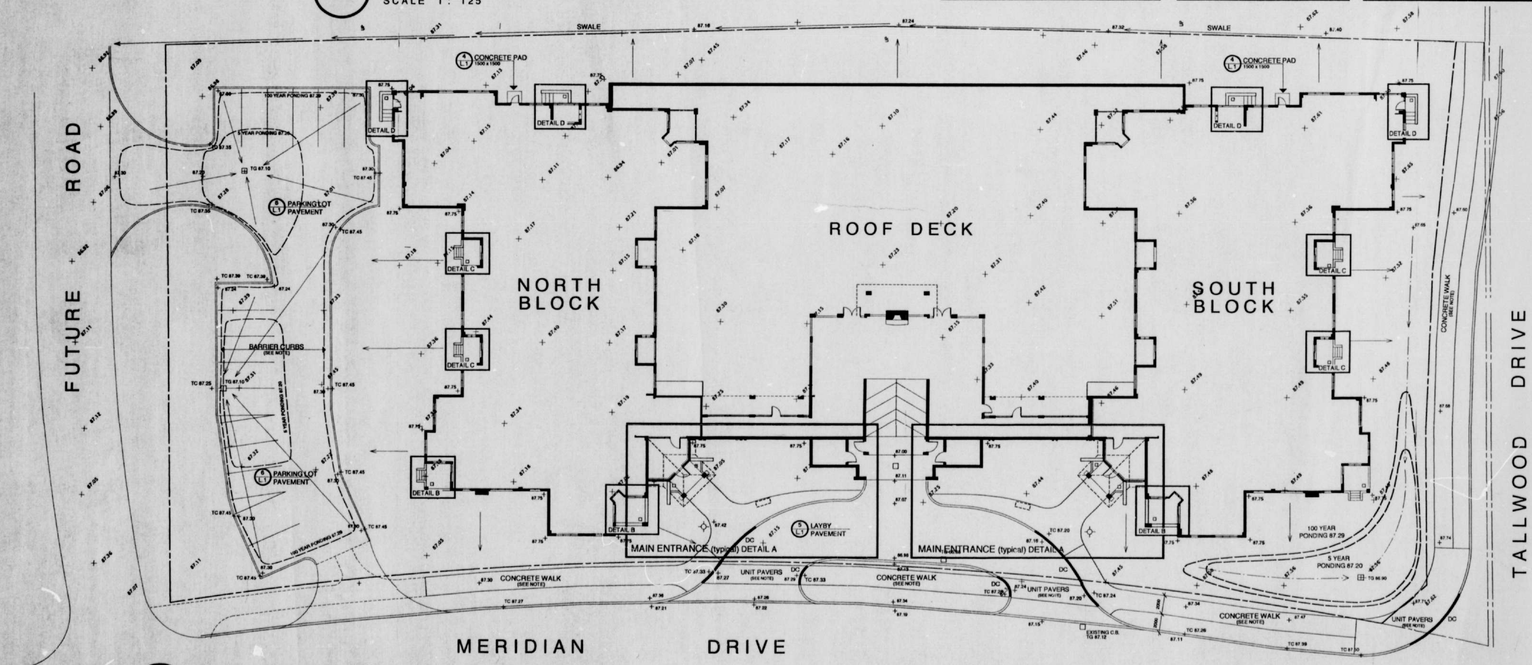

4. CONCRETE PAD




5. LAYBY PAVEMENT




6. PARKING LOT PAVEMENT




## GROUND FLOOR

SCALE 1 : 200

BENCH MARK
FIRE HYDRANT
TOP OF KERB
ACTUAL ELEVATION = 88.25

### NOTES

CONCRETE SIDEWALKS
CONSTRUCT TO CITY OF NEPEAN STANDARD. DRAWING NS -303.

CONCRETE BARRIER CURBS
CONSTRUCT TO CITY OF NEPEAN STANDARD. DRAWING NS-600.

UNIT PAVING CROSSWALKS AND SIDEWALK
MATCH CITY OF NEPEAN STANDARD FOR CENTREPOINTESTREETSCAPE. PAVERS AS SHOWN TO BE GREY GREEN AS APPROVED BY THE CITY. 80mm THICK RECTANGULAR RUNNING BOND PATERN.

### GENERAL NOTES

1. ALL GENERAL SITE INFORMATION AND CONDITIONS WERE COMPILED FROM EXISTING PLANS, SURVEYS AND CONSULTANTS FIELD NOTES. REPORT ANY DISCREPANCIES PRIOR TO ANY WORK. NO RESPONSIBILITY IS BORN BY THE CONSULTANT FOR UNKNOWN SUBSURFACE CONDITIONS.
2. THE CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES PRIOR TO EXCAVATION TO ASCERTAIN LOCATIONS OF UNDERGROUND SERVICES. VERIFY ALL ELEVATIONS WITH INFORMATION SHOWN.
3. ALL DIMENSIONS SHOWN ARE TO BE VERIFIED PRIOR TO ANY CONSTRUCTION.
4. CONTRACTOR TO MAINTAIN POSITIVE SURFACE RUNOFF THROUGH THE ENTIRE CONSTRUCTION PERIOD.
5. CONTRACTOR TO REINSTATE ALL AREAS AND ITEMS DAMAGED AT + RESULT OF CONSTRUCTION AC+ITIES.
6. STREET TREE SPACING FROM CURB OF PUBLIC STREET = 1.75m SETBACK.
7. SUPPLY AND INSTALL FIRE ROUTE SIGNS AND DISABLED PERSONS PARKING SIGNS, AS PER MUNICIPAL REQUIREMENTS.

| no. | date | revision |
|---|---|---|
| 2 | 01-10-98 | ISSUED FOR TENDER |
| 1 | 1-09-98 | ISSUED FOR SPC |

BARRY J. HOBIN & ASSOCIATES ARCHITECTS INCORPORATED

consultant
DOUGLAS ASSOCIATES
Landscape Architects Ltd
phone 224-4744 facsimile 224-1131

project
MERIDIAN at CENTREPOINTE
Nepean, Ontario

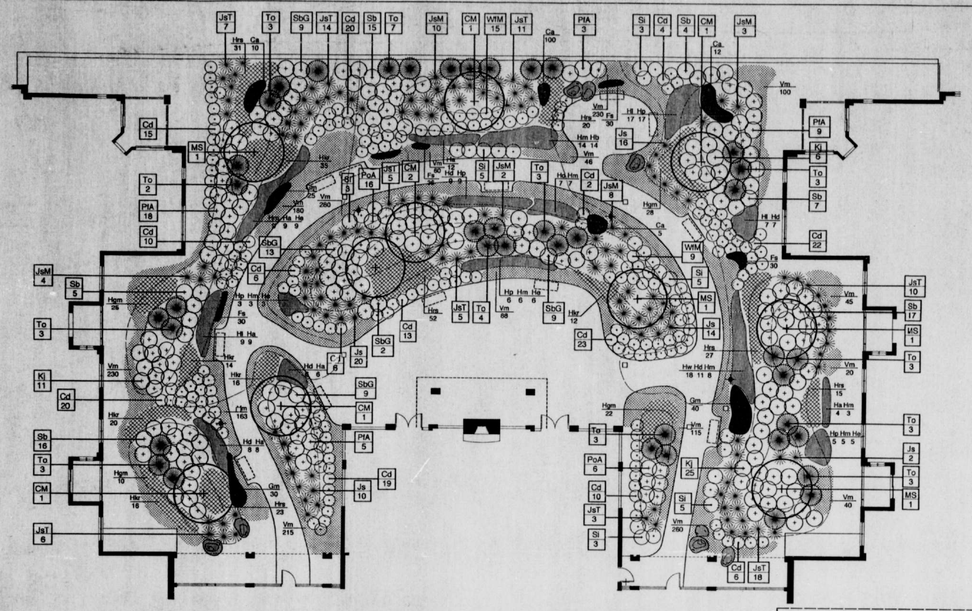
drawing title
GRADING, LAYOUT AND DETAILS

| drawn | date | scale |
|---|---|---|
| B. MUSSELL | OCT. 1998 | AS SHOWN |

project

drawing no.
L.1

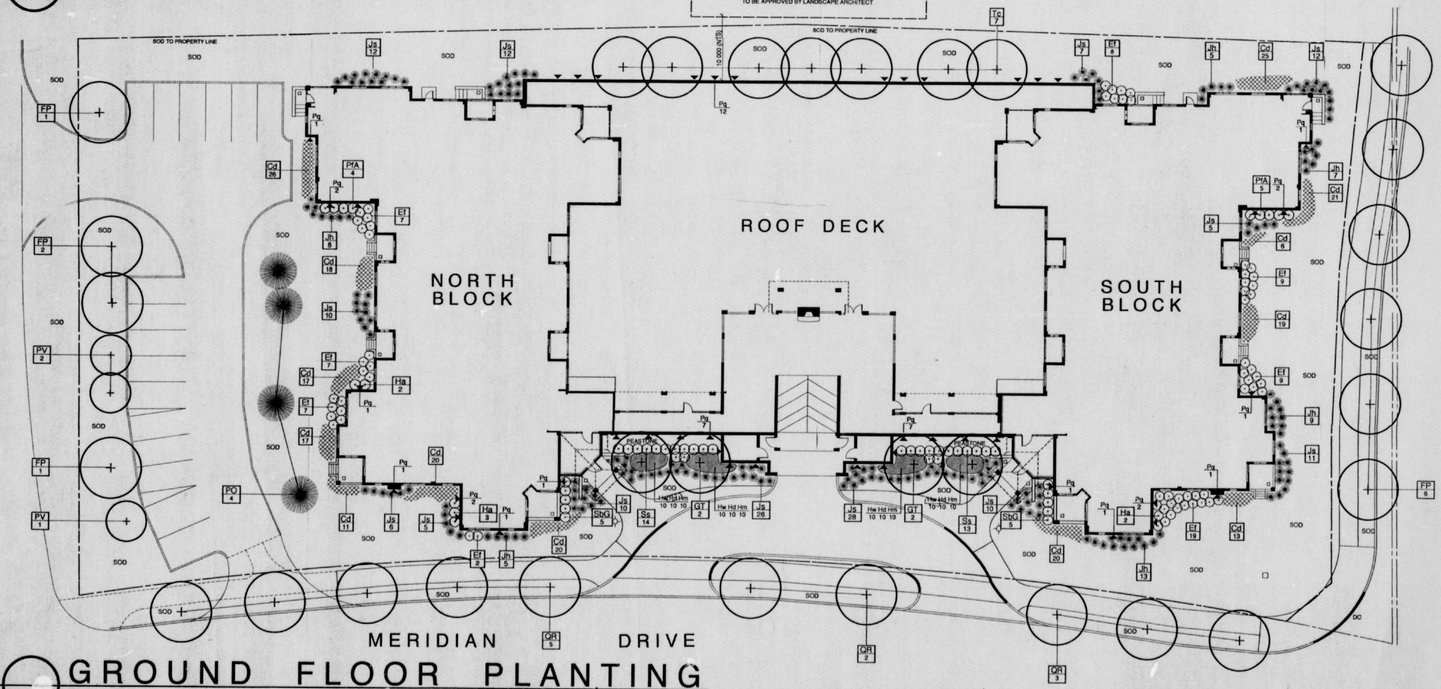
revision no.



# ROOF DECK PLANTING

SCALE 1 : 125

VEGETABLE GARDEN AREA
(7m x 25m)
EXCAVATE AND REMOVE EXISTING SOIL T.I DEPTH OF 40cm.
FILL WITH TOPSOIL TO DEPTH OF 50cm. EXACT LOCATION
TO BE APPROVED BY LANDSCAPE ARCHITECT

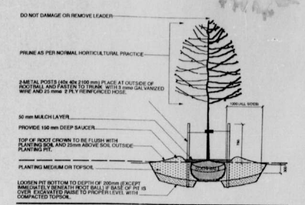



# GROUND FLOOR PLANTING

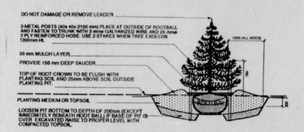
SCALE 1 : 200

## PLANT LIST

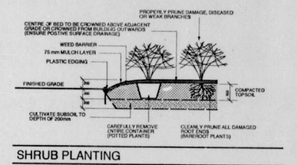
| CODE | NO | BOTANICAL NAME | COMMON NAME | SIZE | REMARKS | SPACING |
|---|---|---|---|---|---|---|
| **GROUND FLOOR** | | | | | | |
| FP | 10 | Fraxinus pennsylvanica 'Patmore' | Patmore Ash | 70mm cal | B&B staked | N/A |
| GT | 4 | Gleditsia triacanthos 'Shademaster' | Shademaster honeylocust | 70mm cal | B&B staked | N/A |
| PV | 3 | Prunus virginiana 'Shubert' | Shubert Chokecherry | 60mm cal | B&B staked | N/A |
| QR | 15 | Quercus rubra | Red Oak | 70mm cal | B&B staked | N/A |
| TC | 7 | Tilia cordata 'Greenspire' | Greenspire Linden | 60mm cal | B&B staked | N/A |
| PO | 4 | Picea omarika | Serbian Spruce | 180cm ht. | B&B staked | N/A |
| Cd | 233 | Cotoneaster dammeri 'Coral Beauty' | Coral Beauty Cotoneaster | 2 gallon | Potted | 900 |
| Ef | 68 | Euonymus fortunie 'Coloratus' | Winter Creeper | C.G. #2 | | 900 |
| HA | 7 | Hydrangea arborescens 'Annabelle' | Annabelle Hydrangea | 2 gallon | Potted | 1000 |
| Jh | 47 | Juniperus horizontalis 'Plumosa Compacta' | Compact Andorra Juniper | 50cm spd. | Potted | 1000 |
| JS | 154 | Juniperus sabina 'Calgary Carpet' | Calgary Carpet Juniper | 50cm spd. | Potted | 900 |
| PrA | 9 | Potentilla fruticosa 'Abbotswood' | Abbotswood Potentilla | 50cm ht. | Potted | 900 |
| SbG | 10 | Spirea bumalda 'Goldflame' | Goldflame Spirea | 50cm ht. | Potted | 900 |
| Sa | 27 | Sorbaria sorbifolia | False Spirea | 50cm ht. | Potted | 1000 |
| Pq | 44 | Parthenocissus quinquefolia 'Engelmannii' | Engelmann' sVirginia Creeper | 2 year | Potted | N/A |
| Hd | 48 | Hemerocallis 'Daxfu' | Daxfu Daylily | 150cm pot. | heavy 2 fan division | 500 |
| Hm | 55 | Hemerocallis 'Miniature King' | Miniature King Daylily | 150cm pot. | heavy 2 fan division | 500 |
| Hw | 18 | Hemerocallis 'Little Wine Cup' | Little Wine Cup Daylily | 150cm pot. | heavy 2 fan division | 500 |
| **ROOF DECK** | | | | | | |
| CM | 8 | Crataegus mordenensis 'Snowbird' | Snowbird Hawthorne | 250cm ht. | Potted | N/A |
| MS | 4 | Malus sargenti | Sargent's Crabapple | 250cm ht. | Potted | N/A |
| Cd | 178 | Cotoneaster dammeri | Bearberry Cotoneaster | C.G. #2 | | 800 |
| JS | 62 | Juniperus sabina 'Calgary Carpet' | Calgary Carpet Juniper | 50cm spd. | Potted | 1000 |
| JsM | 29 | Juniperus sequamum'Mofrod' | Mofrod Blue Juniper | 125cm ht. | Potted | 1000 |
| JsT | 79 | Juniperus sabina 'Tamariscifolia' | Tamarix Juniper | 50cm spd. | Potted | 1000 |
| KJ | 48 | Kerria japonica 'Pleniflora' | Double Kerria | 50cm ht. | Potted | 1000 |
| PrA | 35 | Potentilla fruticosa 'Abbotswood' | Abbotswood Potentilla | 40cm ht. | Potted | 900 |
| PoA | 22 | Potentilla Arbuscula | Arbuscula Potentilla | 40cm ht. | Potted | 900 |
| Sb | 64 | Spirea bumalda 'Anthony Waterer' | Anthony Waterer Spirea | 50cm ht. | Potted | 900 |
| SbG | 42 | Spirea bumalda 'Goldflame' | Goldflame Spirea | 50cm ht. | Potted | 900 |
| Ss | 24 | Stephanandra incisa 'Crispa' | Lace Shrub | 30cm pot | | |
| To | 40 | Thuja occidentalis 'Emerald' | Emerald Cedar | 125cm ht. | Potted | N/A |
| WM | 24 | Weigelia florida 'Minuet' | Minuet Weigela | 40cm ht. | Potted | 750 |
| Vm | 2070 | Vinca minor | Periwinkle | Cell-pak | | 300 |
| Ha | 48 | Hemerocallis 'Autumn Red' | Autumn Red Daylily | 150cm pot. | heavy 2 fan division | 500 |
| Hb | 14 | Hemerocallis 'Bonanza Yellow' | Bonanza Yellow Daylily | 150cm pot. | heavy 2 fan division | 500 |
| Hd | 48 | Hemerocallis 'Daxfu' | Daxfu Daylily | 150cm pot. | heavy 2 fan division | 500 |
| He | 23 | Hemerocallis 'Exquisite Double Yellow' | Exquisite Double Yellow Daylily | 150cm pot. | heavy 2 fan division | 500 |
| Hl | 33 | Hemerocallis 'Laughing Lexi' | Laughing Lexi Daylily | 150cm pot. | heavy 2 fan division | 500 |
| Hm | 55 | Hemerocallis 'Miniature King' | Miniature King Daylily | 150cm pot. | heavy 2 fan division | 500 |
| Hp | 40 | Hemerocallis 'Pleasant Hour' | Pleasant Hour Daylily | 150cm pot. | heavy 2 fan division | 500 |
| Hw | 18 | Hemerocallis 'Little Wine Cup' | Little Wine Cup Daylily | 150cm pot. | heavy 2 fan division | 500 |
| Hgm | 85 | Hosta 'Ground Master' | Ground Master hosta | 150cm pot. | full pot | 500 |
| Hkr | 113 | Hosta 'Krossa Regal' | Krossa Regal Hosta | 150cm pot. | full pot | 500 |
| Hrs | 168 | Hosta 'Royal Standard' | Royal Standard Hosta | 150cm pot. | full pot | 500 |
| Fe | 126 | Festuga 'Skinner's Blue' | Skinner Blue Fescue | 10cm pot | | |
| Ca | 37 | Calamagrostis Acutiflo 'Karl Foerster' | Forester's Reed Grass | 10cm pot | | |
| Gm | 93 | Geranium Macrorrhizum | Cranesbill Geranium | 10cm pot | | |




DECIDUOUS TREE PLANTING




CONIFEROUS TREE PLANTING




SHRUB PLANTING

## GENERAL NOTES

1. ALL GENERAL SITE INFORMATION AND CONDITIONS WERE COMPILED FROM EXISTING PLANS, SURVEYS AND CONSULTANT'S FIELD NOTES. REPORT ANY DISCREPANCIES PRIOR TO ANY WORK. NO RESPONSIBILITY IS BORN BY THE CONSULTANT FOR UNKNOWN SUBSURFACE CONDITIONS.
2. THE CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES PRIOR TO EXCAVATION TO ASCERTAIN LOCATIONS OF UNDERGROUND SERVICES. VERIFY ALL ELEVATIONS WITH INFORMATION SHOWN.
3. ALL DIMENSIONS SHOWN ARE TO BE VERIFIED PRIOR TO ANY CONSTRUCTION.
4. CONTRACTOR TO MAINTAIN POSITIVE SURFACE RUNOFF THROUGH THE ENTIRE CONSTRUCTION PERIOD.
5. CONTRACTOR TO REINSTATE ALL AREAS AND ITEMS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
6. STREET TREE SPACING FROM CURB OF PUBLIC STREET = 1.75m SETBACK.
7. SUPPLY AND INSTALL FIRE ROUTE SIGNS AND DISABLED PERSONS PARKING SIGNS, AS PER MUNICIPAL REQUIREMENTS.

| no. | date | revision |
|---|---|---|
| 2. | OCT-30-98 | ISSUED FOR TENDER |
| 1 | 1-09-98 | ISSUED FOR SPC |


BARRY J. HOBIN & ASSOCIATES ARCHITECTS INCORPORATED

consultant
DOUGLAS ASSOCIATES
Landscape Architects Ltd
phone 224-4744 facsimile 224-1131


project
MERIDIAN at CENTREPOINTE
Nepean, Ontario

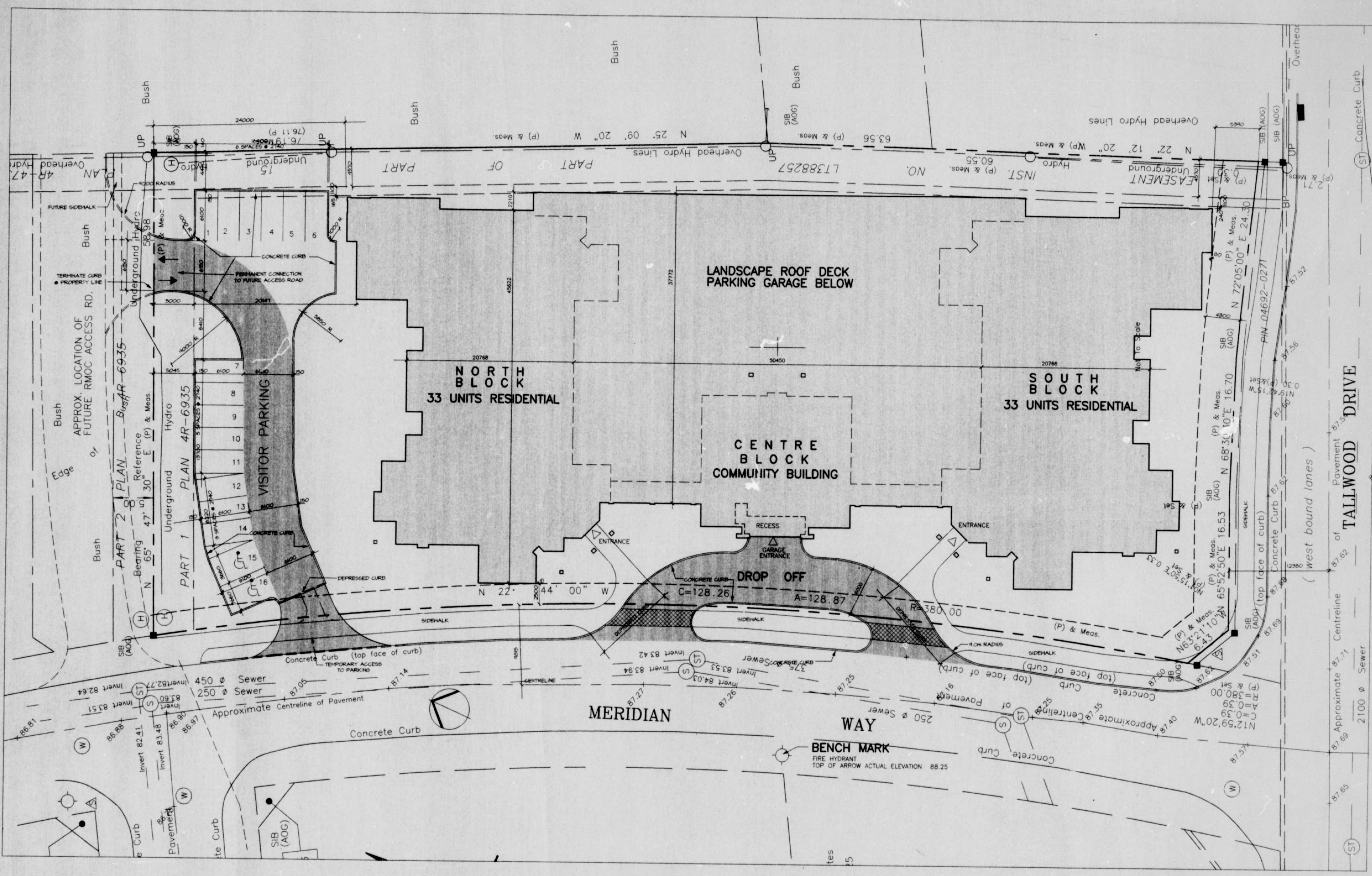
drawing title
PLANTING PLAN

| drawn | date | scale |
|---|---|---|
| B. MUSSELL | OCT., 1998 | AS SHOWN |

project

drawing no.
L.2

revision no.




DESIGN DATA

| | |
|---|---|
| SITE ZONING: | R6A Block "W" By-law 39-81 |
| 3 STOREY, BRICK VENEER | |
| GROSS SITE AREA: | 0.773 Ha |
| MAX. BLDG HEIGHT | 12.0 m |
| GROSS FLOOR AREA: | 11,196 sq m |
| BUILDING AREA | 3,919.5 sq m |
| BLDG COVERAGE | 50.7 % |
| DENSITY (66 Units) | 85.4 Units/HA |
| YARDS: | |
| FRONT (Tallwood) | 4.3 m |
| SIDE (Meridian) | 2.5 m |
| SIDE | 5.5 m |
| REAR | 24.0 m |
| PARKING PROVIDED | |
| 1Per UNIT (INCL. 2 HC) | 66 cars |
| VISITORS (INCL. 2 HC) | 16 cars |
| TOTAL | 82 cars |
| TYPICAL SPACE: | 2740x6090 m |
| NOTE: SOME SPACES ARE OVERSIZED | |
| ACCESSIBLE SPACE: | 3660x6090 m |

NOTES:

1. SEE LANDSCAPE DRAWINGS FOR GRADING INFORMATION.
2. FOR SITE SERVICING INFORMATION SEE MECH. & ELECT. DRAWINGS.

DENOTES EXTENT OF HEAVY DUTY ASPHALT PAVING/CONC. PAVERS (FIRE ROUTE C/W SIGNAGE AS PER CITY/FIRE DEPT REQ'MTS) SEE ALSO SPEC./LANDSCAPE DWGS

| no. | date | revision |
|---|---|---|
| 3 | 13/10/98 | ISSUED FOR TENDER |
| 2 | 98 09 23 | BLDG PERMIT/STRUCT/SITE SERV. |
| 1 | 98 09 01 | ISSUED SITE PLAN CONTROL |

It is the responsibility of the appropriate contractor to check and verify all dimensions on site and report all errors and/or omissions to the architect.

All contractors must comply with all pertinent codes and by-laws.

Do not scale drawings.

This drawing may not be used for construction until signed.

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CITY OF NEPEAN
PLANS EXAMINED
NOV 1998
PLAN EXAMINER

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project
**MERIDIAN At CENTREPOINTE**
Nepean, Ontario

drawing title
**SITE PLAN**

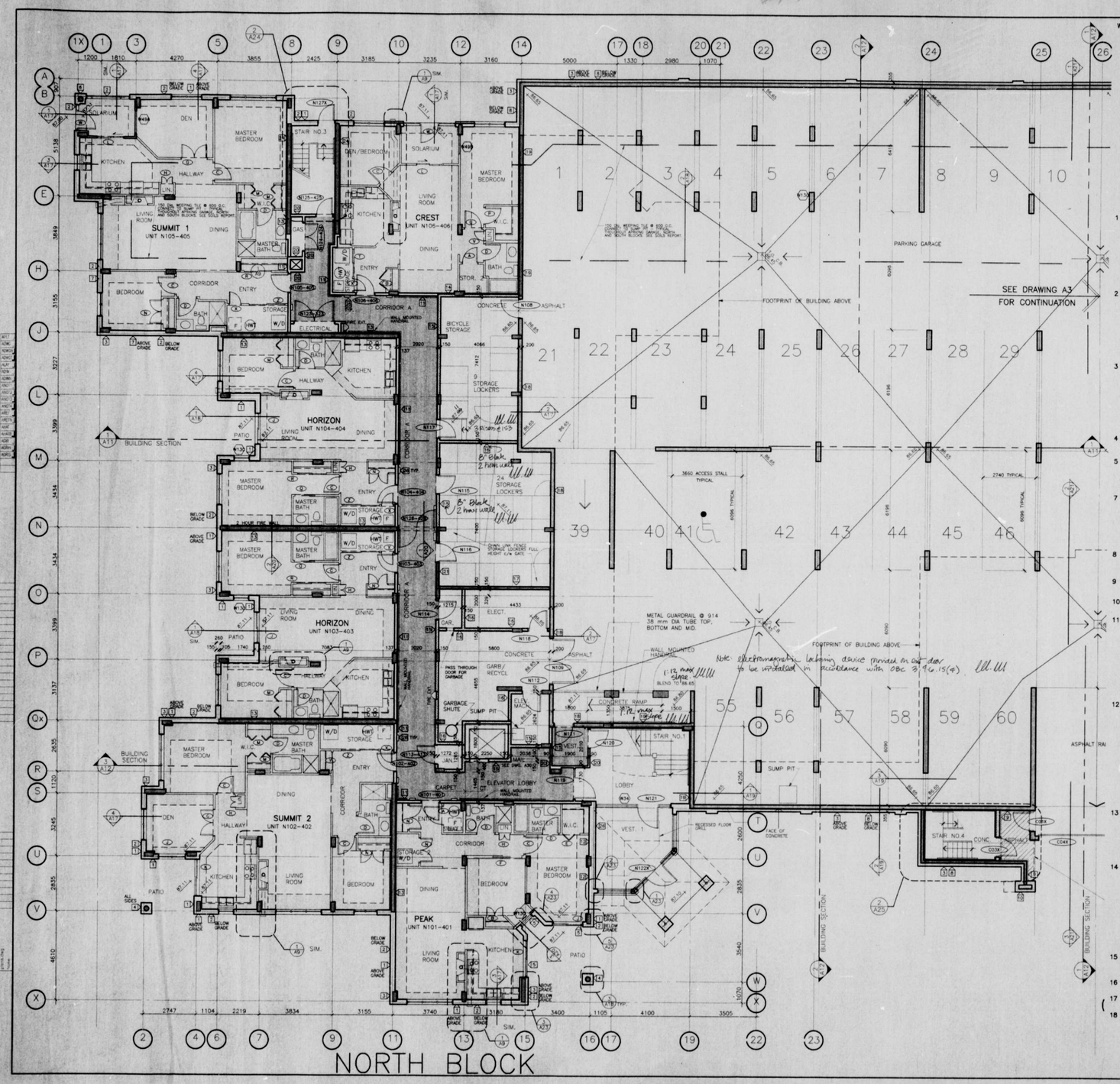
| drawn | date | scale |
|---|---|---|
| BB MM | JULY 1998 | 1:200 |

project 2397

drawing no. A1

revision no.

07.10.98 ARCHSITE HYDRO REV.DWG




WALL TYPES

1 WALL ABOVE GRADE
-90MM BRICK c/w TIES AND WEEP
-25MM AIRSPACE
-40MM CAVITMATE (CMHP LAPPED) (RSI 0.77)
-92MM (18 Ga) MTAL STUDS @ 400 O.C.
-90MM BATT INSULATION (RSI 2.1)
-13MM DRYWALL (TOIL BACKED)
ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL TYPE 1 SHOULD BUTT INTO WALL TYPE 1 - CAULK END STUDS THAT ABUT STRUCTURE - CAULK ALL AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES

2 POURED CONCRETE FOUNDATION WALL
-DAMPROOFING BELOW GRADE
-BUILDING PAPER ON INSIDE OF WALL
-92MM METAL STUDS (25 Ga) @ 400 O.C
-90MM BATT INSULATION (RSI 2.1)
-13MM GYPSUM BOARD (FOIL BACKED)
ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL TYPE 2 SHOULD BUTT INTO WALL TYPE 2 - CAULK END STUDS THAT ABUT STRUCTURE - CAULK ALL AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES

3 -90MM BRICK
-25MM AIRSPACE
-50MM RIGID INSULATION (SM) RSI 1.32
GLUED & MECH. FASTENED TO CONC.
-POURED CONCRETE COLUMN OR WALL
ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL TYPE 3 SHOULD BUTT INTO WALL TYPE 3 - CAULK END STUDS THAT ABUT STRUCTURE - CAULK ALL AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES - SEE NOTES ABOVE RE INTERIOR FINISH ON CONCRETE

4 -90MM BRICK C/W TIES & WEEP HOLES TO CODE
-10MM AIRSPACE
-POURED CONCRETE COLUMN

5 -EIFS SYSTEM
-25 EPS INSULATION MECHANICALLY FASTENED
-13MM CEMENT BOARD
-152MM METAL STUDS (18 Ga) @ 400 O.C.
-152 BATT INSULATION (RSI 3.0)
-13MM GYPSUM BOARD (FOILED BACKED)

7 -90MM BRICK C/W TIES & WEEP HOLES TO CODE
-25MM AIRSPACE
-13MM GYPLAP SHEATHING
-92MM METAL STUDS (18 Ga) @ 300 O.C.
-250MM AIR SPACE FOR FLUES
-40MM CAVITMATE STYROFOAM INSULATION
-GYPSUM BOARD
-92MM METAL STUDS @ 400 O.C.
-90MM BATT INSULATION (RSI 2.1)
-13MM GYPSUM BOARD (FOILED BACKED)

8 -50 RIGID STYROFOAM SM INSULATION FROM 50MM BELOW GRADE TO TOP OF CONCRETE FOOTING
-DAMPROOFING BELOW GRADE
-POURED CONCRETE FOUNDATION WALL

9 EIFS SYSTEM
-75MM EPS INSULATION MECHANICALLY FASTENED
-TO POURED CONCRETE WALL

10 -90MM BRICK c/w TIES AND WEEP
-25MM AIR SPACE
-200 CONCRETE BLOCK (TAPERED SEE ELEVATION)

11 -45 min. F.R., STC 50
-16MM DRYWALL TYPE X
-92MM METAL STUD @ 400MM O.C.
-90MM BATT INSULATION
-16MM DRYWALL TYPE X
-13MM DRYWALL (AT CORRIDOR SIDE)
RUN WALL TYPE 11 CONTINUOUSLY THROUGH ALL ADJOINING WALLS
CAULK TOP AND BOTTOM TRACKS AND END STUDS THAT ABUT STRUCTURE
CAULK AROUND PERIMETER OF DRYWALL, ELECTRICAL OUTLETS, AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF THE BOXES (BOTH SIDES OF PARTITION). PROVIDE CONTINOUS 13mm PLYWOOD BLOCKING AT CORRIDOR HANDRAIL LOCATION. ULC#15

12 PARTY WALL
45 min. F.R., STC57
-16MM DRYWALL TYPE X
-92MM METAL STUD @ 400MM O.C.
-90MM BATT INSULATION
-16MM DRYWALL TYPE X
-152MM METAL STUDS @ 400MM O.C.
-90MM BATT INSULATION
-16MM DRYWALL TYPE X
TIE STUDS TOGETHER AT VERTICAL THIRD PT. (TS) OF EACH STUD WITH 19MM THICK D-WALL STRAPS
RUN WALL TYPE 12 CONTINUOUSLY THROUGH ALL ADJOINING WALLS
CAULK TOP AND BOTTOM TRACKS AND END STUDS THAT ABUT STRUCTURE
CAULK A'ROUND PERIMETER OF DRYWALL, ELECTRICAL OUTLETS, AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF THE BOXES (BOTH SIDES OF PARTITION) MPS015

13 -13MM GYPSUM BOARD
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-200MM POURED CONCRETE WALL
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-13MM GYPSUM BOARD
RUN WALL TYPE 13 CONTINUOUSLY THROUGH ALL ADJOINING WALLS CAULK ALL AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES, ETC. INCLUDING THE BACKS OF BOXES

14 -1 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-64MM METAL STUDS @ 400 O.C.
-64MM BATT INSULATION
-10MM AIR SPACE
-200MM POURED CONCRETE WALL OR 150MM CONC. BLOCK
RUN WALL TYPE 14 CONTINUOUSLY THROUGH ALL ADJOINING WALLS
CAULK TOP AND BOTTOM TRACKS AND END STUDS THAT ABUT STRUCTURE
CAULK AROUND PERIMETER OF DRYWALL, ELECTRICAL OUTLETS, AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF THE BOXES (BOTH SIDES OF PARTITION) MPS015
NOTE: N14 FORMS PART OF TUB SURROUND USE 13mm DUROC

15 -1 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-150MM CONCRETE BLOCK

16 -1 HOUR FIRE RATING
-150MM CONCRETE BLOCK

17 -2 HOUR FIRE RATING
-150MM POURED CONCRETE

18 -2 HOUR FIRE RATING
-200MM POURED CONCRETE WALL

19 -200MM POURED CONCRETE WALL
-2 HOUR FIRE RATING
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-92MM METAL STUDS @ 400 O.C.
-92MM BATT INSULATION
-16MM GYPSUM BOARD TYPE X

20 -1 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-92MM METAL STUDS @ 400 O.C.
-92MM BATT INSULATION
-16MM GYPSUM BOARD TYPE X

21 -2 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-150MM POURED CONCRETE

22 1 HOUR FIRE RATED WALL
-16mm GYPSUM BOARD TYPE X
-150MM WOOD STUD @ 400 O.C.
-150 BATT INSULATION - R20
-6 mil POLY V.B.
-16MM GYPSUM BOARD TYPE X

23 1 HOUR FIRE RATED WALL
-16mm GYPSUM BOARD TYPE X
-90MM WOOD STUD @ 400 O.C.
-16mm GYPSUM BOARD TYPE X

24 1 HOUR FIRE RATED WALL
-13mm GYPSUM BOARD TYPE X
-13MM RESILIENT CHANNELS
-92MM METAL STUDS @ 400 O.C.
-200MM POURED CONCRETE WALL
SPRAYED TEXTURE FINISH

25 EIFS SYSTEM
-38mm INSULATION BOARD
-25 EPS INSULATION MECHANICALLY FASTENED
-13mm EXT. GRADE GYP. SHEATHING
-40mm CAVITMATE INSULATION (STRIP LAPPED)
-89mm STEEL STUDS @ 400 O.C.
-13mm GYPSUM BOARD (FOILED BACKED)

26 FURRING WALL
-13mm GYPSUM SHEATHING
-90mm STEEL STUDS @ 400 O.C.

27 EIFS SYSTEM
-50mm EPS INSULATION MECHANICALLY FASTENED
-TO POURED CONCRETE WALL

Note: Except for firewalls, all sections fire separations shall extend to the underside of floor slab or steel deck ceiling. ULC

NOTES:

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING @ 400 O.C. DROPPED BULKHEAD/ CEILING @ 2133 FROM FINISHED FLOOR

REPRESENTS 15mm GYPSUM BOARD ON METAL STUD FRAMING @ 400 O.C. DROPPED BULKHEAD/ CEILING @ 2240 FROM FINISHED FLOOR

1. FOR UNIT PLAN DIMENSIONS SEE 1 : 50 PLANS ON DRAWING A10
2. -PROVIDE 13mm GYPSUM BOARD -ON 13mm METAL RESILIENT CHANNELS @400 O.C. AT CEILING OF LOBBY
3. -PROVIDE 16mm GYPSUM BOARD -ON METAL FRAMING @ 400 O.C. -90 BATT INSULATION TO UNDERSIDE OF STAIR No. 1

Note: Electromagnetic locking device provided on exit door to be installed in accordance with OBC 3.7.6.15(4). ULC

CITY OF NEPEAN PLANS EXAMINER NOV 27 1998 PLAN EXAMINER

| no. | date | revision |
|---|---|---|
| 4 | 98 10 13 | ISSUED FOR TENDER |
| 3 | 98 09 23 | BLDG PERMIT/STRUCT/SITE SERV |
| 2 | 98 09 03 | ISSUED 30 % REVIEW |
| 1 | 98 09 02 | ISSUED SITE PLAN CONTROL |

It is the responsibility of the appropriate contractor to check and verify all dimensions on site and report all errors and/or omissions to the architect.

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

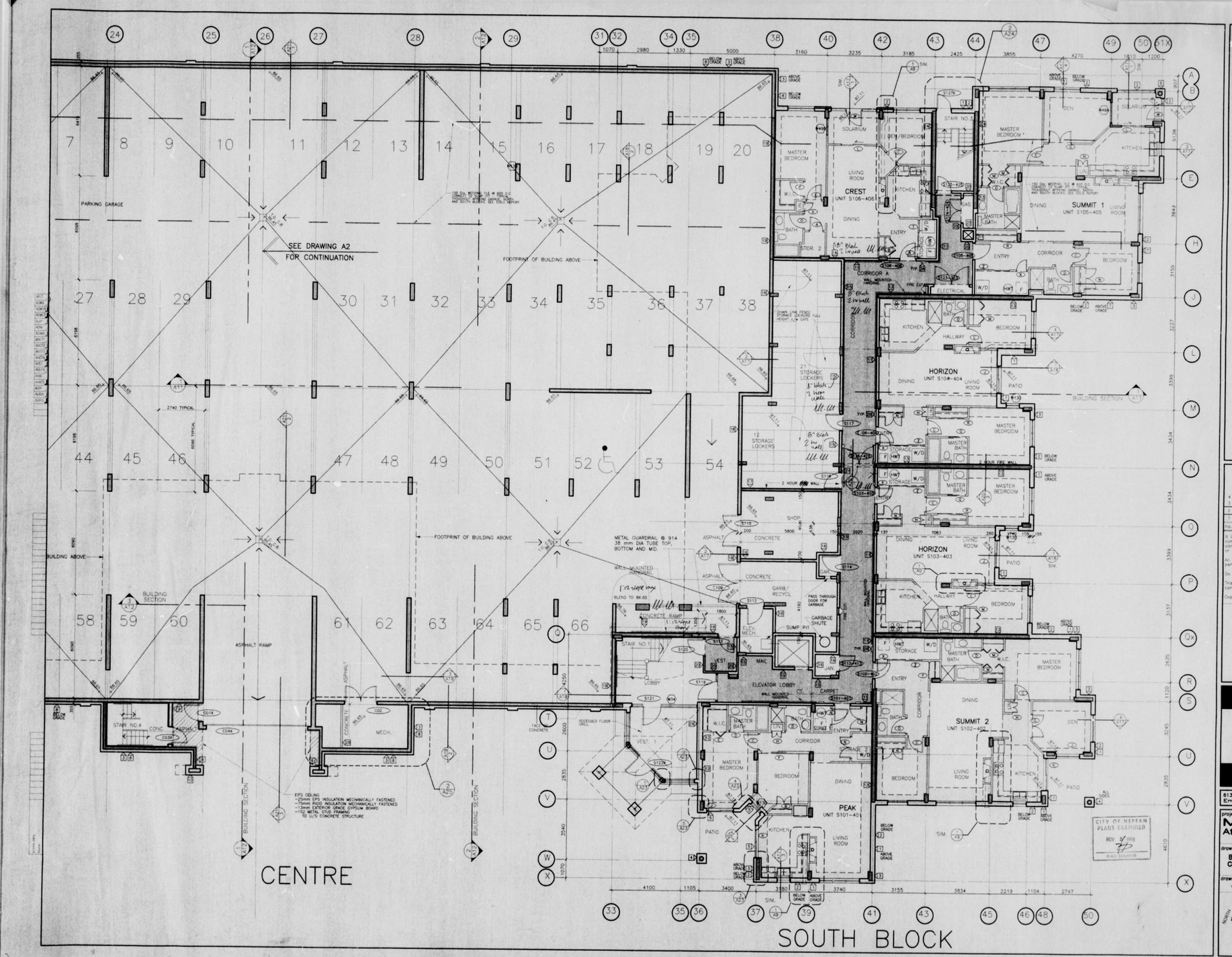
drawing title
BASEMENT FLOOR PLANS
NORTH BLOCK

| drawn | date | scale |
|---|---|---|
| WJW | JULY 1998 | 1:75 |

project 2397

drawing no. A2

revision no.




NOTES:

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING @ 400 O.C. DROPPED BULKHEAD/ CEILING @ 2133 FROM FINISHED FLOOR

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING @ 400 O.C. DROPPED BULKHEAD/ CEILING @ 2240 FROM FINISHED FLOOR

1. FOR UNIT PLAN DEMENSIONS SEE 1 : 50 PLANS ON DRAWING A12
2. -PROVIDE 13mm GYPSUM BOARD ON 13mm METAL RESILIENT CHANNELS @400 O.C. AT CEILING OF LOBBY
3. -PROVIDE 16mm GYPSUM BOARD ON METAL FRAMING @ 400 O.C. -90 BATT INSULATION TO UNDERSIDE OF STAIR No. 1

| no. | date | revision |
|---|---|---|
| 4 | 98 10 13 | ISSUED FOR TENDER |
| 3 | 98 09 03 | BLDG PERMIT/STRUCT/SITE SERV |
| 2 | 98 04 03 | ISSUED 50 % REVIEW |
| 1 | 98 09 02 | ISSUED SITE PLAN CONTROL |

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613-238-7200 Fax: 613-235-2005
E-mail: mail@hobinarc.com

project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

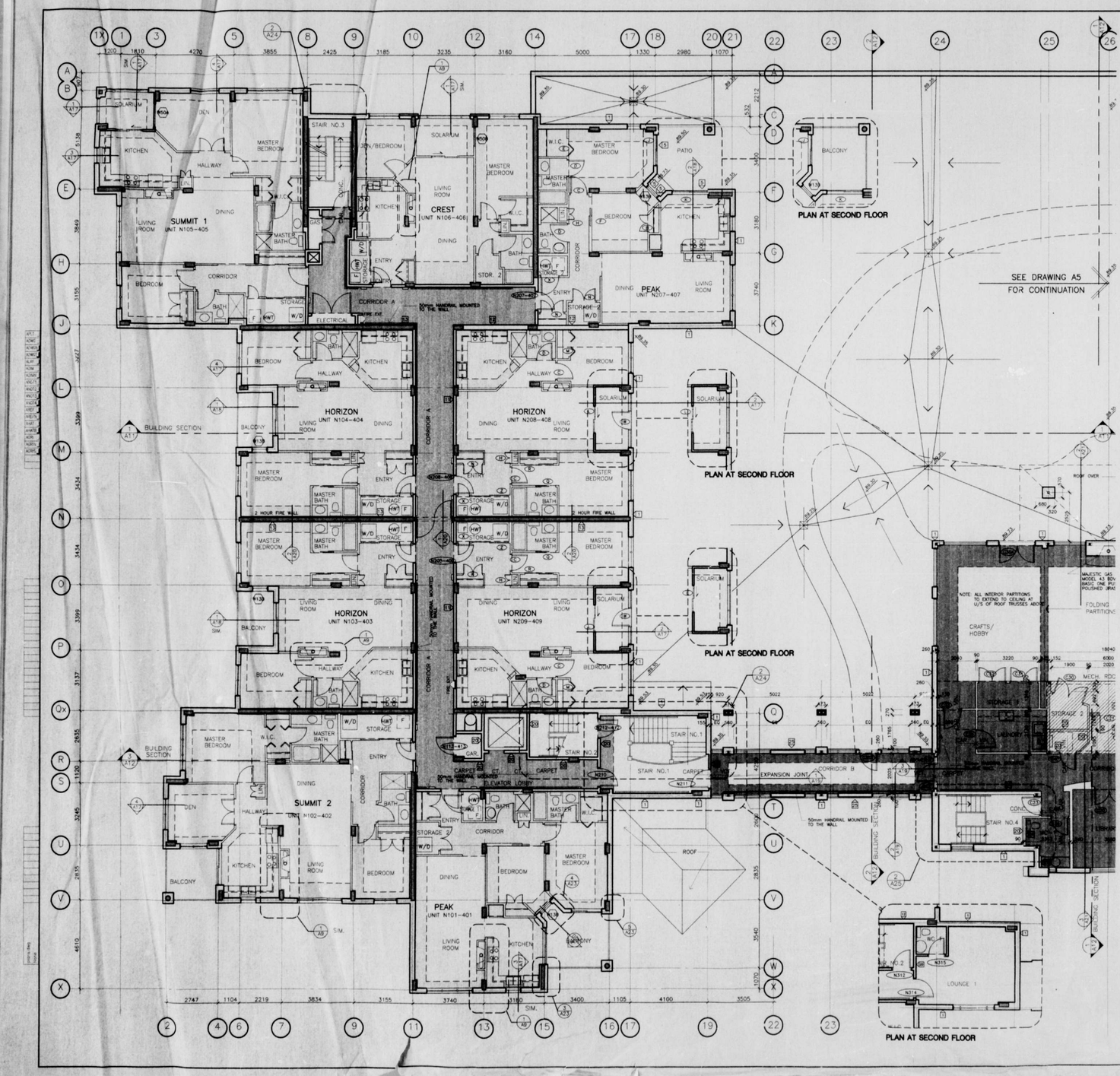
drawing title
**BASEMENT FLOOR PLANS CENTRE & SOUTH BLOCK**

| drawn | date | scale |
|---|---|---|
| WJW | JULY 1998 | 1:200 |

project 2297

drawing no. **A3**

revision no.




## WALL TYPES

-ALL FIRE SEPARATIONS TO BE CONTINUOUS FROM SLAB TO SLAB
ALL OTHER WALLS ARE TO UNDERSIDE OF SLAB UNLESS OTHERWISE NOTED.
-ALL BATHTUB SURROUNDS TO BE ENCLOSED WITH 13MM "DUROCK" CEMENT BOARD
13mm PLYWOOD SHEATHING FROM T/O TUB TO U/S CEILING (ALL SIDES OF TUB) SEE 1:50 PLANS FOR ADDITIONAL INFORMATION
-INSTALL R2 BATT INSULATION UNDER ALL EXTERIOR CONCRETE SLABS
-U/S EXTERIOR GRADE GYPSUM BOARD AT CEILING OVER ALL TUB OR SHOWER LOCATIONS.
-ALL EXTERIOR WALLS WHICH ARE FOIL BACKED DRYWALL ARE TO BE FULL SHEETS WITH AS FEW JOINTS AS POSSIBLE.
JOINTS TO BE VERTICAL.
PIECEMEALING OF SHEETS TOGETHER TO BE AVOIDED.
-13 MM PLYWOOD BACKING TO BE INSTALLED BETWEEN METAL STUDS AT GRAB BAR LOCATIONS OVER AND BESIDE TOILETS
SEE 1:50 PLANS FOR ADDITIONAL INFO.
-ALL INTERIOR COLUMNS AND SHEAR WALLS WITHIN FINISHED SPACE TO BE WRAPPED WITH 22MM METAL FURRING & 13MM GYPWALL
-WALLS NOT SPECIFICALLY IDENTIFIED TO BE OF 92mm METAL STUDS @ 400mm O.C. OR 92mm METAL STUDS @ 400mm O.C.
-ALL BATHROOM WALLS TO BE INSULATED WITH ACOUSTIC INSULATION TO SUIT STUD THICKNESS.
-SEE ENLARGED PLANS ON DRAWING A10 FOR DIMENSIONING OF UNITS AND ADDITIONAL WALL TYPE INFORMATION

1 WALL ABOVE GRADE
-90MM BRICK C/W TIES AND WEEP
-25MM AIRSPACE
-40MM CAVITYMATE (SHIP LAPPED) (RSI 0.77)
-92MM (18 Ga) METAL STUDS @ 400 O.C.
-90MM BATT INSULATION (RSI 2.1)
-13MM DRYWALL (FOIL BACKED)
ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL TYPE 1 SHOULD BUTT INTO WALL TYPE 2, CAULK END STUDS THAT ABUT STRUCTURE. CAULK AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES

2 POURED CONCRETE FOUNDATION WALL
-DAMPROOFING BELOW GRADE
-BUILDING PAPER ON INSIDE OF WALL
-92MM METAL STUDS (25 Ga) @ 400 O.C.
-90MM BATT INSULATION (RSI 2.1)
-13MM GYPSUM BOARD (FOIL BACKED)
ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL TYPE 2 SHOULD BUTT INTO WALL TYPE 2, CAULK END STUDS THAT ABUT STRUCTURE. CAULK AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES

3 -90MM BRICK
-25MM AIRSPACE
-40MM RIGID INSULATION (SM) RSI 1.32 GLUED & MECH. FASTENED TO CONC.
-POURED CONCRETE COLUMN OR WALL
ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL TYPE 3 SHOULD BUTT INTO WALL TYPE 3, CAULK END STUDS THAT ABUT STRUCTURE. CAULK ALL AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES. SEE NOTES ABOVE RE INTERIOR FINISH ON CONCRETE

4 -90MM BRICK C/W TIES & WEEP
-VOID 50MM
-50MM AIRSPACE
-POURED CONCRETE COLUMN

5 -EIFS SYSTEM
-25 EPS INSULATION MECHANICALLY FASTENED
-13MM CEMENT BOARD
-152MM METAL STUDS (18 Ga) @ 400 O.C.
-152 BATT INSULATION (RSI 3.5)
-13MM GYPSUM BOARD (FOILED BACKED)

7 -90MM BRICK C/W TIES & WEEP
-HOLES TO CODE
-25MM AIRSPACE
-13MM GYPLAP SHEATHING
-92MM METAL STUDS @ 400 O.C.
-250MM AIR SPACE FOR FLUES
-40MM CAVITYMATE STYROFOAM INSULATION RSI 0.77
-92MM METAL STUDS @ 400 O.C.
-90MM BATT INSULATION (RSI 2.1)
-13MM GYPSUM BOARD (FOILED BACKED)

8 -50 RIGID STYROFOAM SM INSULATION FROM 50MM BELOW GRADE TO TOP OF CONCRETE FOOTING
DAMPROOFING BELOW GRADE
-POURED CONCRETE FOUNDATION WALL

9 EIFS SYSTEM
-75MM EPS INSULATION MECHANICALLY FASTENED
-TO POURED CONCRETE WALL

10 -90MM BRICK c/w TIES AND WEEP
-25MM AIR SPACE
-200 CONCRETE BLOCK (TAPERED SEE ELEVATION)

11 -45 min. F.R. STC 50
-16MM DRYWALL TYPE X
-92MM METAL STUD @ 400MM O.C.
-92MM BATT INSULATION
-16MM DRYWALL TYPE X
-13MM DRYWALL (AT CORRIDOR SIDE)
RUN WALL TYPE 11 CONTINUOUSLY THROUGH ALL ADJOINING WALLS
CAULK TOP AND BOTTOM TRACKS AND END STUDS THAT ABUT STRUCTURE
CAULK AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS, AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF THE BOXES (BOTH SIDES OF PARTITION). PROVIDE CONTINOUS 13mm PLYWOOD BLOCKING AT CARRIDOR HANDRAIL LOCATION. ULC#15

12 PARTY WALL
45 min. F.R. STC57
-1-16MM DRYWALL TYPE X
-1-76MM METAL STUD @ 400MM O.C.
-92MM BATT INSULATION
-1-16MM DRYWALL TYPE X
-13MM AIR SPACE
-1-92MM METAL STUDS @ 400MM O.C.
-92MM BATT INSULATION
-1-16MM DRYWALL TYPE X
TIE STUDS TOGETHER AT VERTICAL THIRD POINTS OF EACH STUD WITH 13MM THICK DRYWALL STRAPS
RUN WALL TYPE 12 CONTINUOUSLY THROUGH ALL ADJOINING WALLS
CAULK TOP AND BOTTOM TRACKS AND END STUDS THAT ABUT STRUCTURE
CAULK AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS, AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF THE BOXES (BOTH SIDES OF PARTITION) WT0515

13 -13MM GYPSUM BOARD
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-200MM POURED CONCRETE WALL
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-13MM GYPSUM BOARD
RUN WALL TYPE 13 CONTINUOUSLY THROUGH ALL ADJOINING WALLS. CAULK ALL AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES, ETC. INCLUDING THE BACKS OF BOXES

14 -1 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-64MM METAL STUDS @ 400 O.C.
-64MM BATT INSULATION
-13MM AIR SPACE
-200MM POURED CONCRETE WALL OR 150MM CONC. BLOCK
RUN WALL TYPE 14 CONTINUOUSLY THROUGH ALL ADJOINING WALLS
CAULK TOP AND BOTTOM TRACKS AND END STUDS THAT ABUT STRUCTURE
CAULK AROUND PERIMETER OF DRYWALL ELECTRICAL OUTLETS, AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF THE BOXES (BOTH SIDES OF PARTITION) WT0514
WHERE W14 FORMS PART OF TUB SURROUND USE 13mm DUROC

15 -1 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-150MM CONCRETE BLOCK

16 -1 HOUR FIRE RATING
-150MM CONCRETE BLOCK

17 -2 HOUR FIRE RATING
-150MM POURED CONCRETE

18 -2 HOUR FIRE RATING
-200MM POURED CONCRETE WALL

19 -200MM POURED CONCRETE WALL
-2 HOUR FIRE RATING
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-13MM GYPSUM BOARD

20 -1 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-92MM METAL STUDS @ 400 O.C.
-92MM BATT INSULATION
-16MM GYPSUM BOARD TYPE X

21 -2 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-150MM POURED CONCRETE

22 1 HOUR FIRE RATED WALL
-16mm GYPSUM BOARD TYPE X
-150MM WOOD STUD @ 400 O.C.
-R20 BATT INSULATION - R20
-1- 16mm PLYWOOD
-16MM GYPSUM BOARD TYPE X

23 1 HOUR FIRE RATED WALL
-16mm GYPSUM BOARD TYPE X
-90MM WOOD STUD @ 400 O.C.
-16mm GYPSUM BOARD TYPE X

24 1 HOUR FIRE RATED WALL
-15mm GYPSUM BOARD TYPE X
-19MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-200MM POURED CONCRETE WALL SPRAYED TEXTURE FINISH

25 EIFS SYSTEM
-50mm EPS INSULATION BOARD
-25 EPS INSULATION MECHANICALLY FASTENED
-15mm EXT. GRADE GYP. SHEATHING
-40mm CAVITYMATE INSULATION (STRIP LAPPED)
-92mm STEEL STUDS @ 400 O.C.
-13mm GYPSUM BOARD (FOILED BACKED)

26 FURRING WALL
-13mm GYPSUM SHEATHING
-90mm STEEL STUDS @ 400 O.C.

27 EIFS SYSTEM
-50mm EPS INSULATION MECHANICALLY FASTENED
-TO POURED CONCRETE WALL

## NOTES:

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING @ 4877 mm DROPPED BULKHEAD/ CEILING @ 2133 FROM FINISHED FLOOR

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING @ 4877 mm DROPPED BULKHEAD CEILING @ 2240 FROM FINISHED FLOOR

REPRESENTS 13mm GYPSUM BOARD CEILING ON METAL SUSPENSION SYSTEM. CEILING ABOVE AT U/S OF MECHANICAL ROOM TWO LAYERS -16mm TYPE X GYP. BRD. (TAPE ALL JOINTS) -RESILIENT METAL CHANNELS @ 400 O.C. -140mm BATT INSULATION -ONE HOUR FIRE RATED

1: FOR UNIT PLAN DEMINSIONS SEE 1 : 50 PLANS ON DRAWING A10

| no. | date | revision |
|---|---|---|
| 3 | 98.10.13 | ISSUED FOR TENDER |
| 2 | 98.09.23 | BLDG PERMIT/STRUCT/SITE SERV |
| 1 | 98.09.03 | ISSUED 50 % REVIEW |

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CITY OF NEPEAN PLANS EXAMINED NOV 4 1998 PLAN EXAMINER

project
**MERIDIAN At CENTREPOINTE**
Nepean, Ontario

drawing title
GROUND FLOOR NORTH BLOCK (SECOND FLOOR NORTH BLOCK SIMILAR) PARTIAL CENTRE BLOCK AND LINK

| drawn | date | scale |
|---|---|---|
| K/A | JULY 1998 | 1:75 |

project 2397

drawing no. A4

revision no.

SEE DRAWING A4
FOR CONTINUATION

PLAN AT SECOND FLOOR

PLAN AT SECOND FLOOR

PLAN AT SECOND FLOOR

PLAN AT SECOND FLOOR

MECHANICAL ROOM, CENTRE BLOCK

BUILDING SECTION

BUILDING SECTION

BUILDING SECTION

CREST UNIT S106-406

PEAK UNIT S207-407

HORIZON UNIT S208-408

HORIZON UNIT S209-409

HORIZON UNIT S104-404

HORIZON UNIT S103-403

SUMMIT 1 UNIT S105-405

SUMMIT 2 UNIT S102-402

PEAK UNIT S101-401

NOTES:

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING
● 400 O.C. DROPPED BULKHEAD/ CEILING
● 2133 FROM FINISHED FLOOR

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING
● 400 O.C. DROPPED BULKHEAD CEILING
● 2240 FROM FINISHED FLOOR

REPRESENTS 13mm GYPSUM BOARD BULKHEAD FRAMED WITH
-METAL STUDS @ 400 O.C. OR DROPPED 13mm GYP. BRD. CEILING ON METAL SUSPENDED SYSTEM
SEE ROOM FINISH SCHEDULE AND BUILDING SECTIONS FOR CEILING HEIGHTS

DROPPED 13mm GYPSUM BOARD CEILING ON METAL SUSPENSION SYSTEM CEILING ABOVE AT U/S OF MECHANICAL ROOM TWO LAYERS
-16mm TYPE X GYP. BRD.
-38x89 STUDS @ 400mmOC
-RESILIENT METAL CHANNELS @ 400 O.C.
-140mm BATT INSULATION
-ONE HOUR FIRE RATED

1. FOR UNIT PLAN DEMENSIONS SEE T-50 PLANS ON DRAWING A10

| no. | date | revision |
|---|---|---|
| 3 | 98 10 13 | ISSUED FOR TENDER |
| 2 | 98 09 23 | BLDG PERMIT/STRUCT/SITE SERV |
| 1 | 98 09 03 | ISSUED 30 % REVIEW |

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CITY OF NEPEAN PLANS EXAMINED NOV 04 1998

project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
GROUND FLOOR SOUTH BLOCK
SECOND FLOOR SOUTH BLOCK
SIMILAR CENTRE BLOCK
AND LINK

| drawn | date | scale |
|---|---|---|
| BB | JULY 1998 | 1:75 |

project 2397

drawing no. A5

revision no.

6 17 35 46

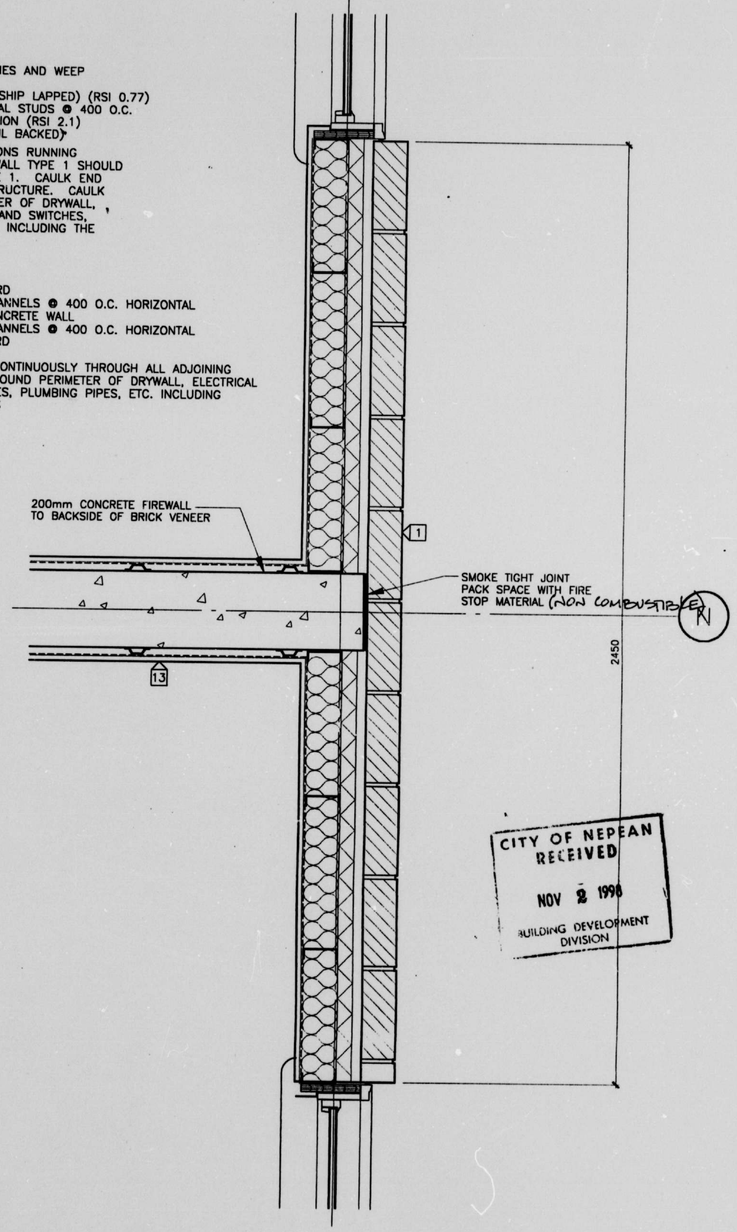
## WALL TYPES (x)

1 WALL ABOVE GRADE
- -90MM BRICK c/w TIES AND WEEP
- -25MM AIRSPACE
- -40MM CAVITYMATE (SHIP LAPPED) (RSI 0.77)
- -92MM (18 Ga) METAL STUDS @ 400 O.C.
- -90MM BATT INSULATION (RSI 2.1)
- -13MM DRYWALL (FOIL BACKED)

ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL TYPE 1 SHOULD BUTT INTO WALL TYPE 1. CAULK END STUDS THAT ABUT STRUCTURE. CAULK ALL AROUND PERIMETER OF DRYWALL, , ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES.

13 -13MM GYPSUM BOARD
- -13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
- -200MM POURED CONCRETE WALL
- -13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
- -13MM GYPSUM BOARD

RUN WALL TYPE 13 CONTINUOUSLY THROUGH ALL ADJOINING WALLS. CAULK ALL AROUND PERIMETER OF DRYWALL, ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES, ETC. INCLUDING THE BACKS OF BOXES

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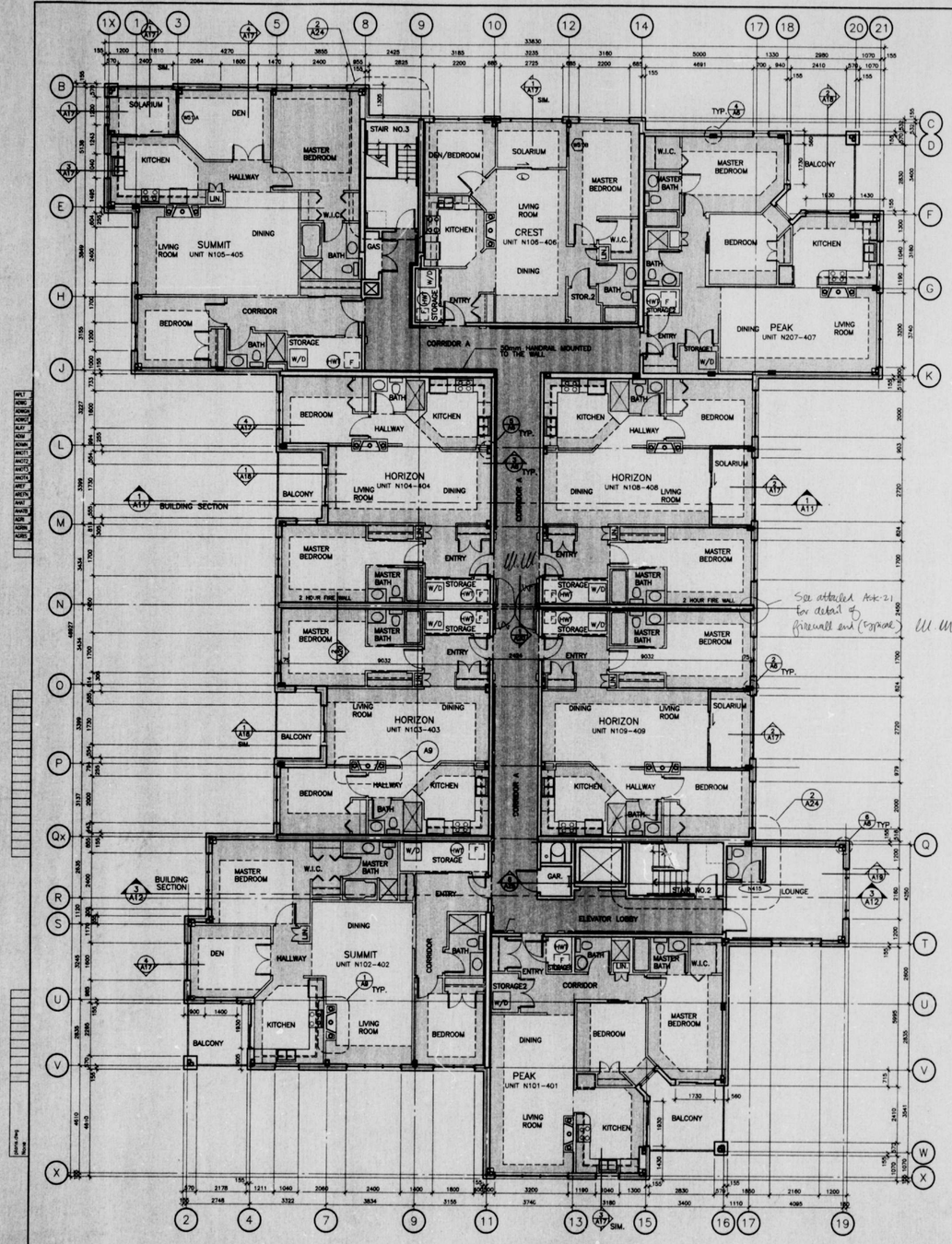
BARRY J. HOBIN & ASSOCIATES ARCHITECTS INCORPORATED

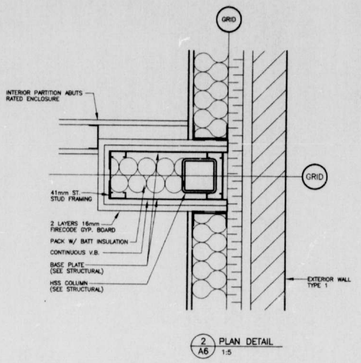
project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

drawing title
PARTIAL PLAN OF EXTERIOR WALL AT FIREWALL

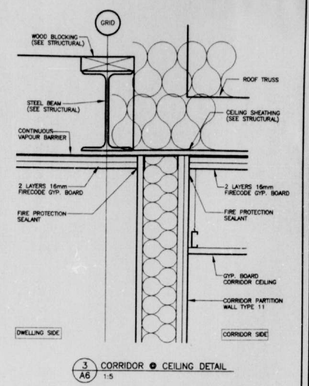
| date | scale |
|---|---|
| 98 10 29 | 1:10 |
| project | dwg. no. |
| 2397 | ASK-21 |



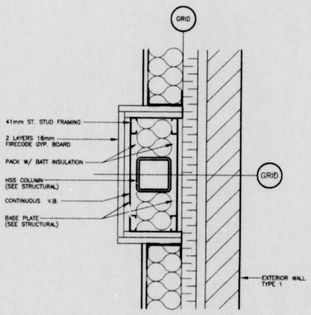

See attached Arch. 21 for detail of firewall and (typical)



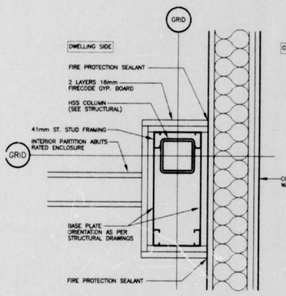

2 A6 PLAN DETAIL 1:5



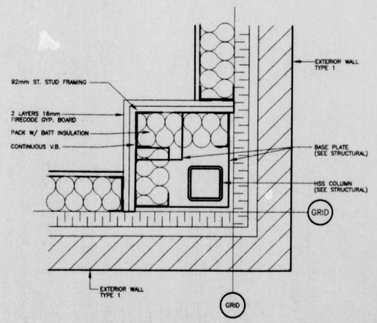

3 A6 CORRIDOR ● CEILING DETAIL 1:5




4 A6 PLAN DETAIL 1:5




5 A6 PLAN DETAIL 1:5




6 A6 PLAN DETAIL 1:5

NOTE:
REFER TO A2 FOR DOOR TYPES, DROPPED CEILING INFORMATION AND WALL TYPES.

| no. | date | revision |
|---|---|---|
| 3 | 98-10-13 | ISSUED for TENDER |
| 2 | 23 SEP 98 | ISSUED for STRUCTURAL / SPR SPANDEX SHEATH |
| 1 | 04 SEP 98 | ISSUED for 30% REVIEW |

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NOV 4/1998
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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

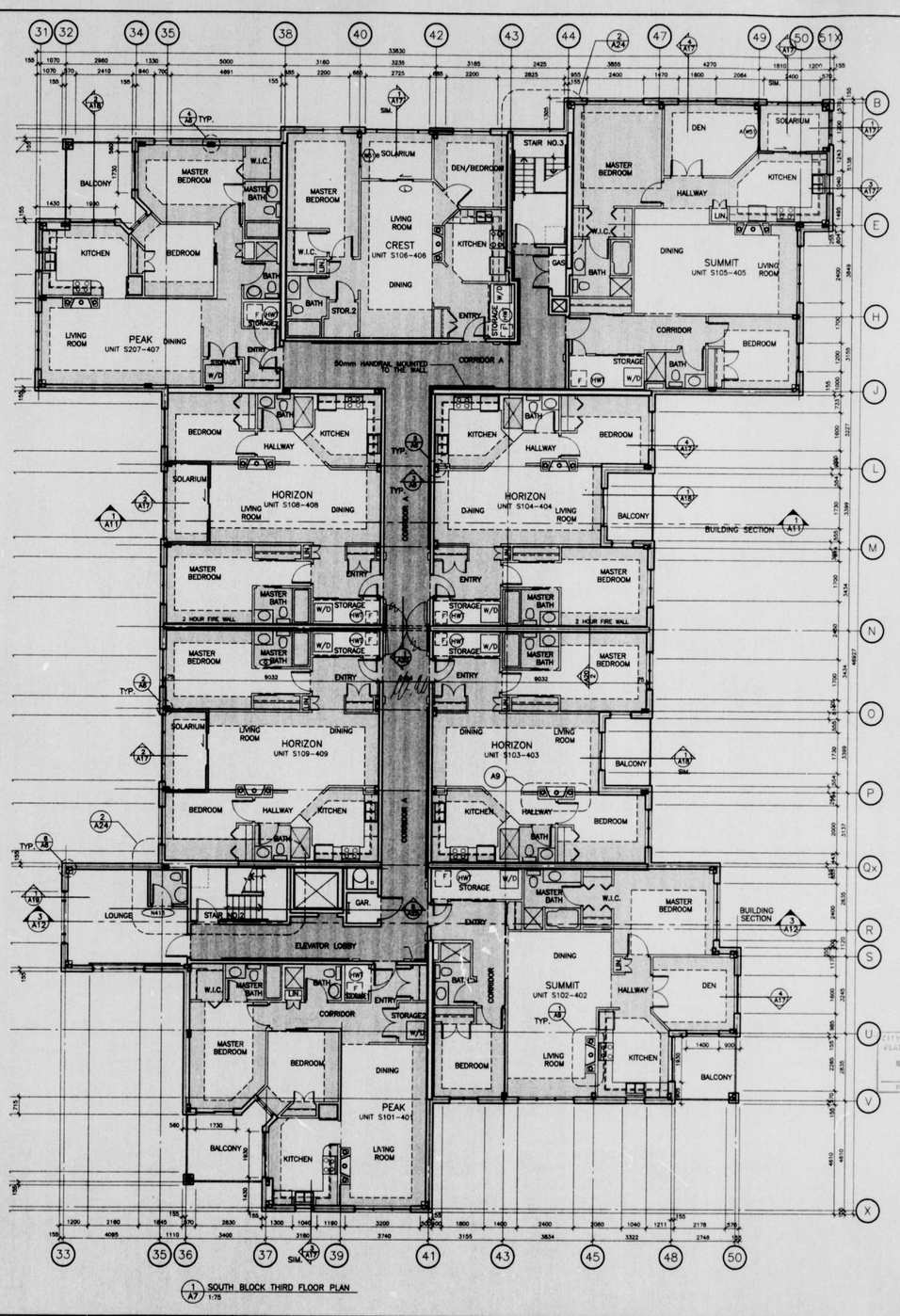
drawing title
THIRD FLOOR PLAN
NORTH BLOCK

| drawn | date | scale |
|---|---|---|
| jpe | SEP 1998 | AS NOTED |

project 2397

drawing no. A6

revision no.




1 A7 SOUTH BLOCK THIRD FLOOR PLAN
1:75

NOTE:
REFER TO A2 FOR DOOR TYPES, DROPPED CEILING INFORMATION AND WALL TYPES.

| no. | date | revision |
|---|---|---|
| 3 | 98-10-12 | ISSUED for TENDER |
| 2 | 23 SEP 98 | ISSUED for PERMIT TO CONSTRUCT, SEL STRUCTURAL & SEL STRUCTURAL TENDER |
| 1 | 04 SEP 98 | ISSUED for 30% REVIEW |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

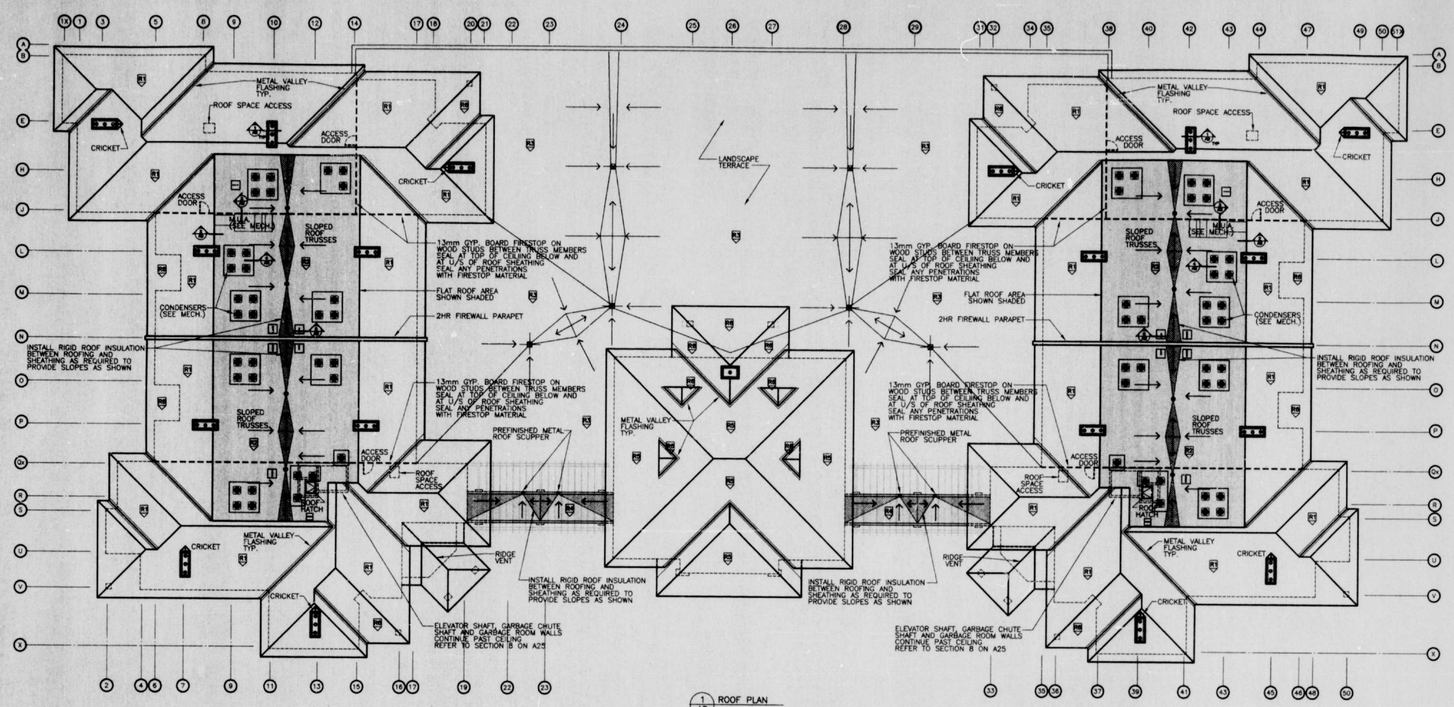
drawing title
THIRD FLOOR PLAN
SOUTH BLOCK

| drawn | date | scale |
|---|---|---|
| jpe | SEP 1998 | 1:75 |

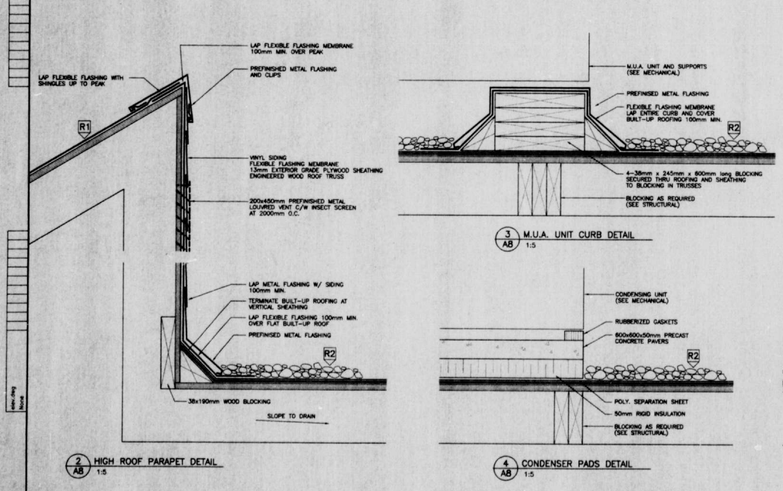
project 2397

drawing no. A7

revision no.




1 / A8 ROOF PLAN 1:150



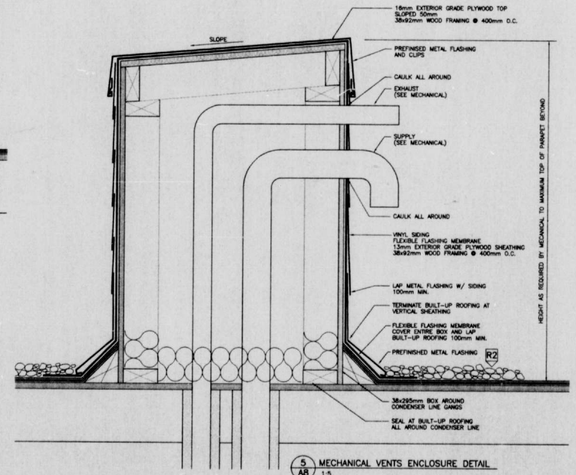

2 / A8 HIGH ROOF PARAPET DETAIL 1:5



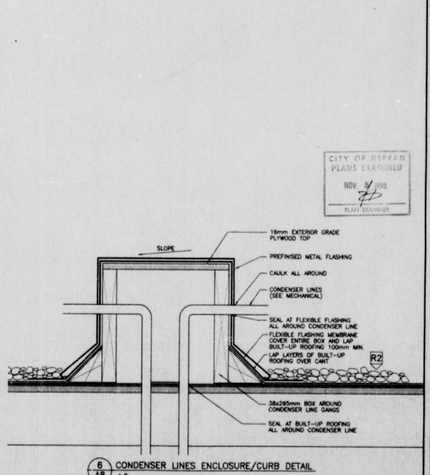

3 / A8 M.U.A. UNIT CURB DETAIL 1:5




4 / A8 CONDENSER PADS DETAIL 1:5




5 / A8 MECHANICAL VENTS ENCLOSURE DETAIL 1:5




6 / A8 CONDENSER LINES ENCLOSURE/CURB DETAIL 1:5

NOTE:
SEE DRAWING A12 FOR CONSTRUCTION ASSEMBLIES

| no. | date | revision |
|---|---|---|
| 3 | 98-10-13 | ISSUED for TENDER |
| 2 | 23 SEP 98 | ISSUED for PERMIT and STRUCTURAL / SITE SERVICES TENDER |
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project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

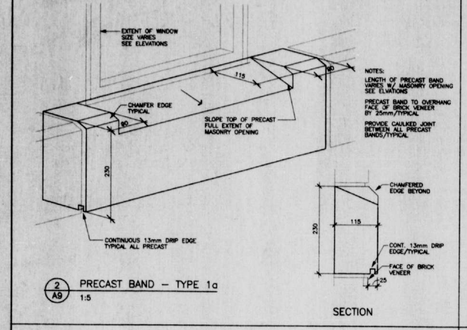
drawing title
**ROOF PLAN**

| drawn | date | scale |
|---|---|---|
| jw | SEPT 1998 | AS NOTED |

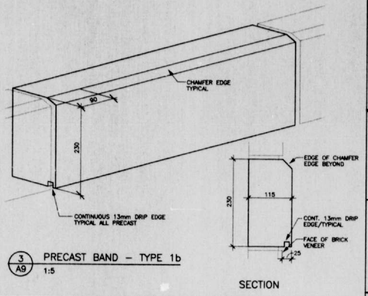
project 2397

drawing no. **A8**

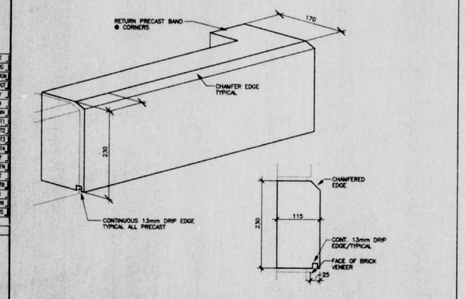
revision no.



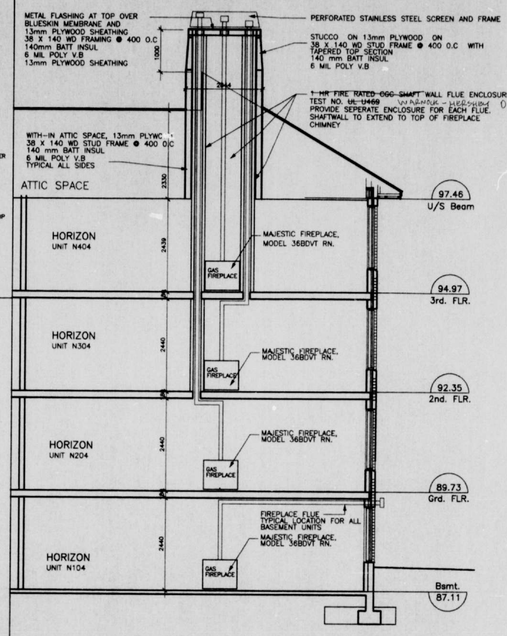

2 / A9 PRECAST BAND – TYPE 1a
1:5



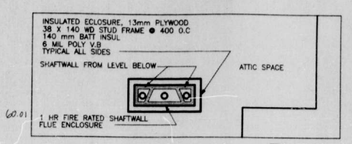

3 / A9 PRECAST BAND – TYPE 1b
1:5



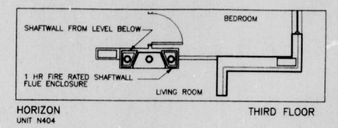

4 / A9 PRECAST BAND – TYPE 1c
1:5



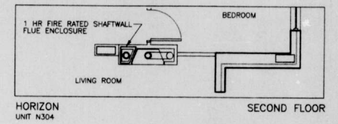

1 / A9 TYPICAL FIREPLACE DETAILS
1:25



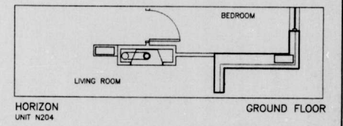

ATTIC SPACE



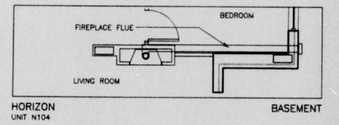

HORIZON UNIT N404 THIRD FLOOR



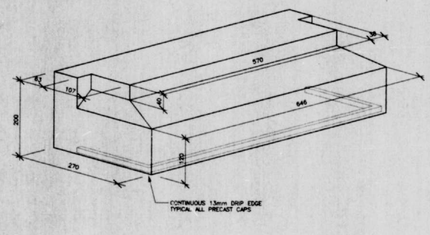

HORIZON UNIT N304 SECOND FLOOR



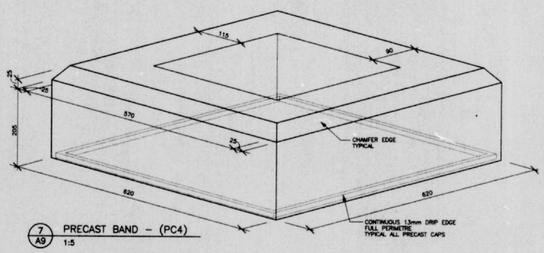

HORIZON UNIT N204 GROUND FLOOR




HORIZON UNIT N104 BASEMENT




5 / A9 PRECAST CAP (PC2)
1:5




7 / A9 PRECAST BAND – (PC4)
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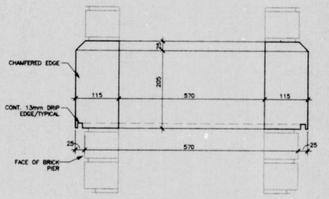
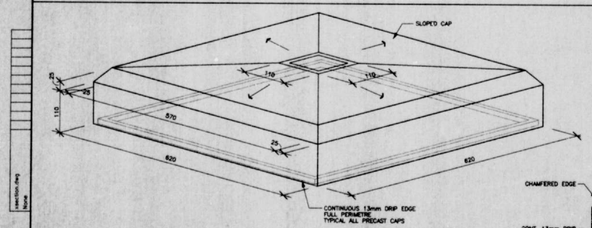
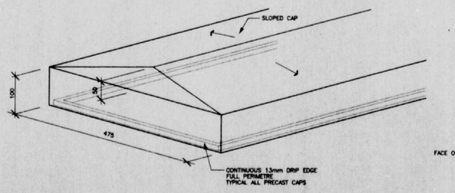
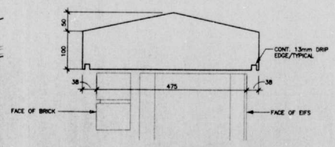



6 / A9 PRECAST CAP (PC3)
1:5




8 / A9 PRECAST BAND – (PC5)
1:5

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| 2 | 98. 10. 13 | ISSUED FOR TENDER |
| 1 | 98. 09. 23 | PERMIT/STRUCT/SITE SERV. |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

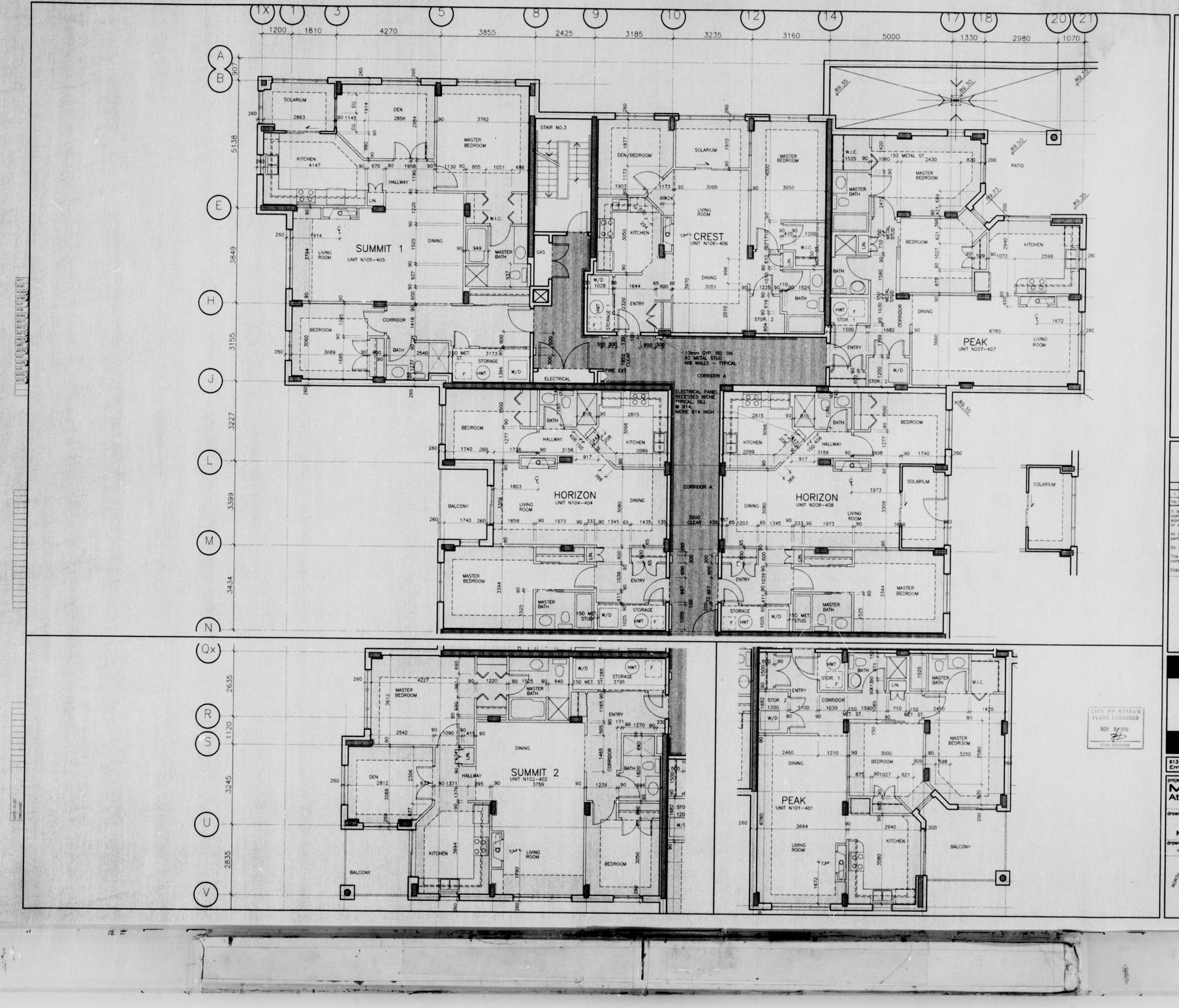
drawing title
TYPICAL FIREPLACE DETAILS
PRECAST DETAILS

| drawn | date | scale |
|---|---|---|
| BB | JULY 1998 | AS NOTED |

project 2397

drawing no. A9

revision no.




**NOTE:**

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH FLOOR PLANS ON DRAWING A2 TO A7

| no. | date | revision |
|---|---|---|
| 1 | 98 10 13 | ISSUED FOR TENDER |

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Email: mail@hobinarc.com

project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

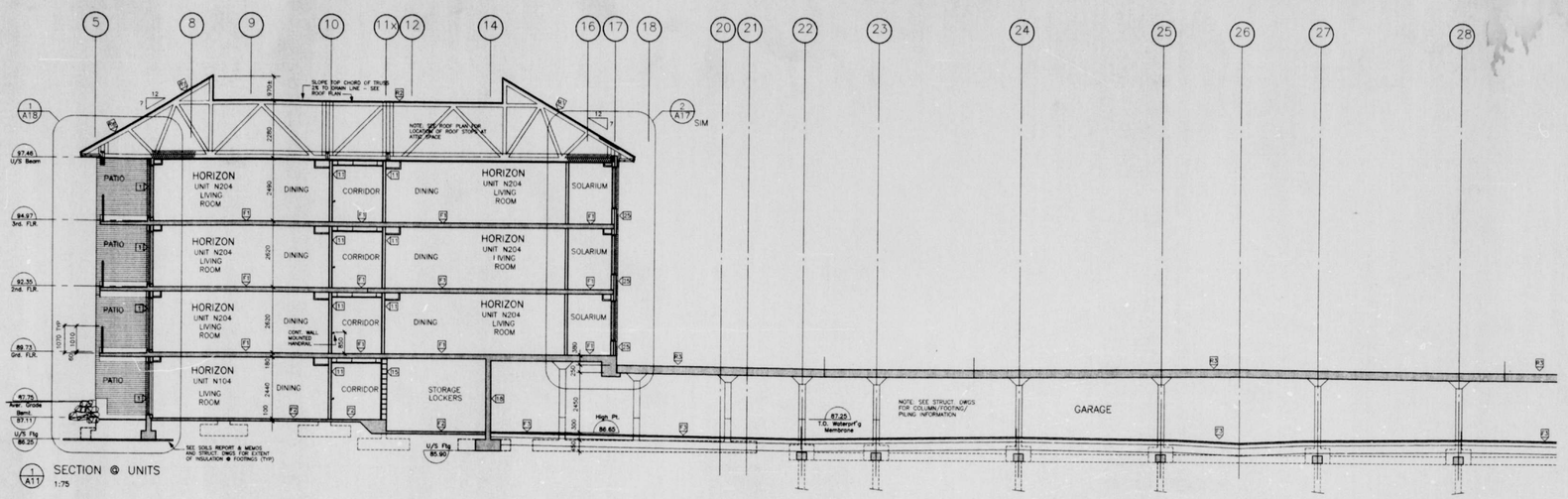
drawing title
**DETAILED UNIT PLANS NORTH & SOUTH BLOCK**

| drawn | date | scale |
|---|---|---|
| MJW | OCT. 1998 | 1:50 |

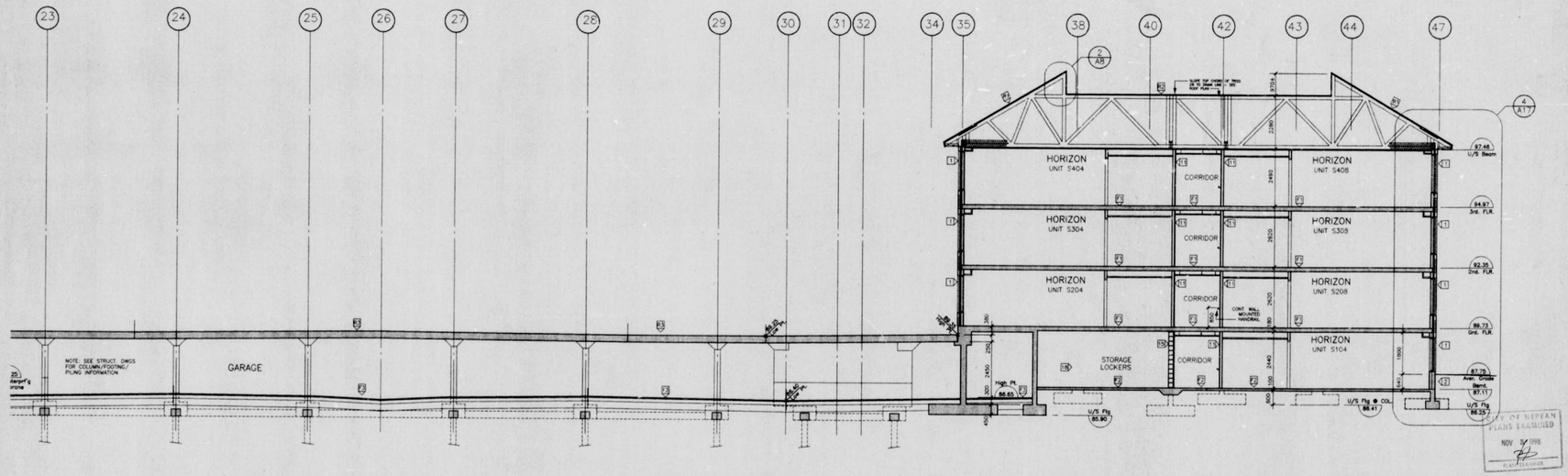
project 3797

drawing no. **A10**

revision no.




1 SECTION @ UNITS
A11 1:75




CITY OF NEPEAN
PLANS EXAMINED
NOV 5/ 1998
PLANS EXAMINER

| no. | date | revision |
|---|---|---|
| 3 | 98-10-13 | ISSUED FOR TENDER |
| 2 | 23/09/98 | BLDG PERMIT/STRUCT/SITE SERV |
| 1 | 04/09/98 | ISSUED FOR 30% REVIEW |

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project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

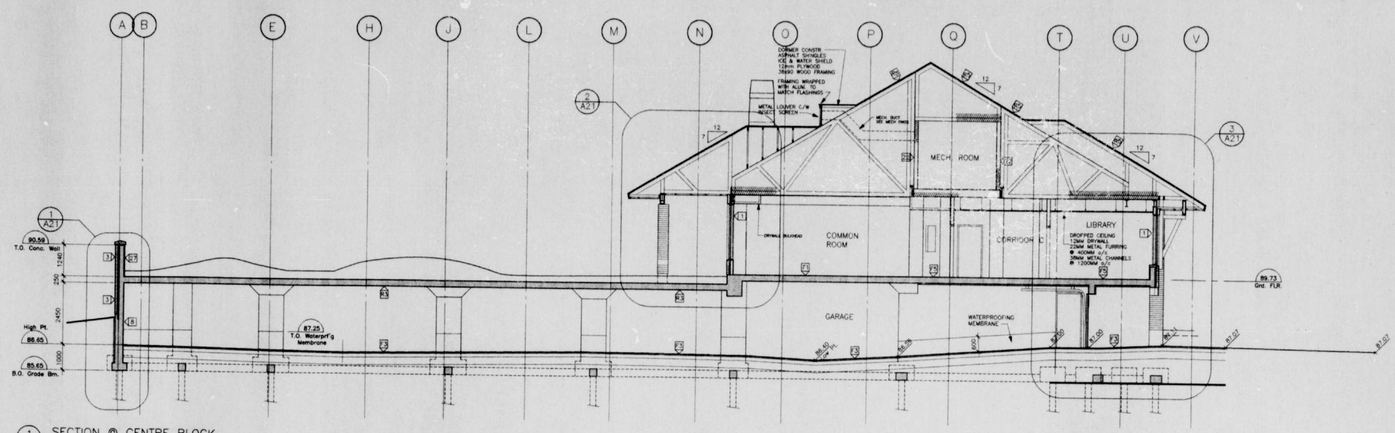
drawing title
**BUILDING SECTIONS NORTH & SOUTH BLOCKS**

| drawn | date | scale |
|---|---|---|
| BB | SEPT. 1998 | 1:75 |

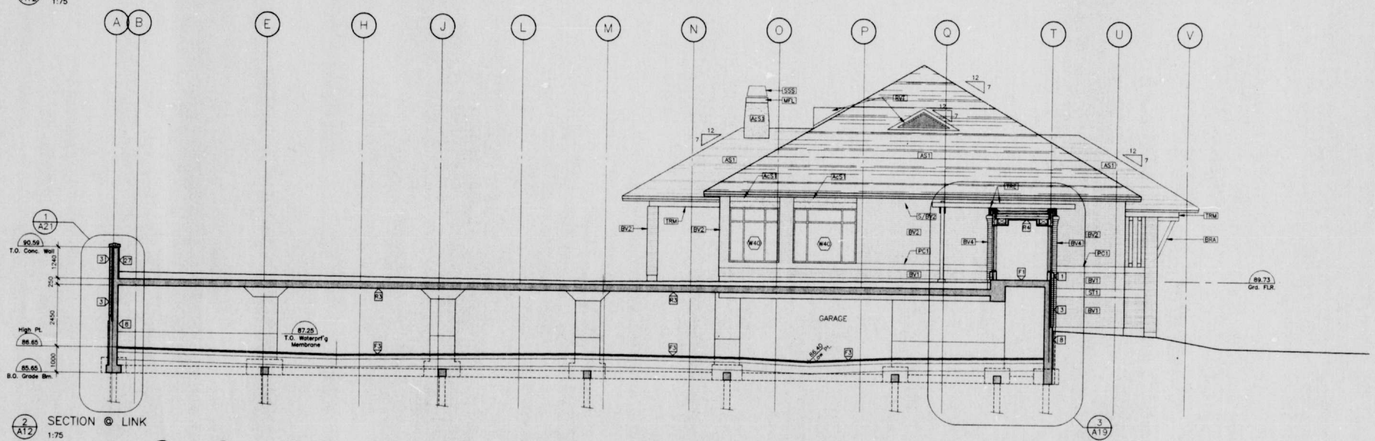
project 2397

drawing no. **A11**

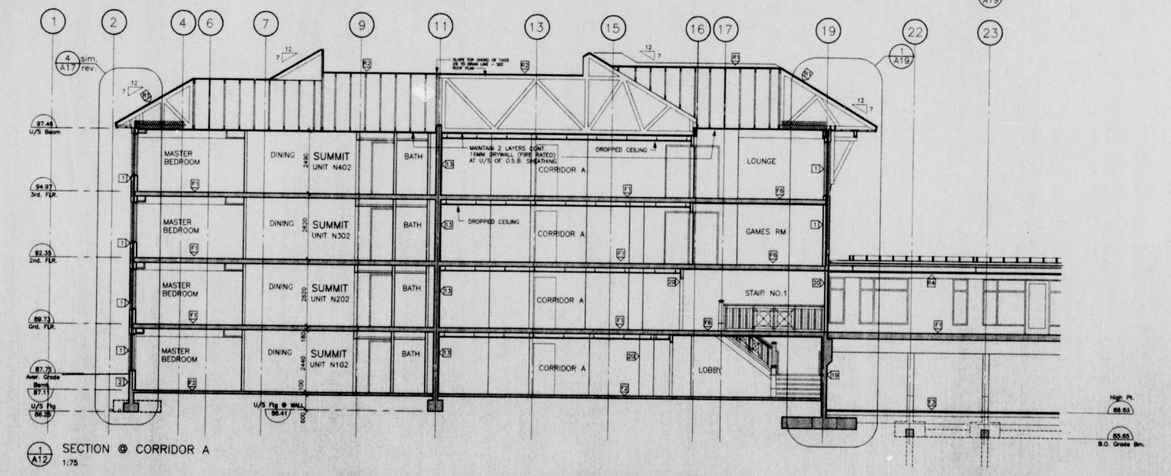
revision no.




1 / A12 SECTION @ CENTRE BLOCK
1:75




2 / A12 SECTION © LINK
1:75




1 / A12 SECTION @ CORRIDOR A
1:75

## CONSTRUCTION ASSEMBLIES

FLOORS

F1. STRUCTURAL SLAB

Poured concrete slab – see struct. dwgs
see Finish Schedule for finishes
Fire Rating 2 hours

F2. SLAB ON GRADE

100 mm poured concrete
10 mil poly vapour barrier
50 mm rigid insulation (see Soils Report)
200 mm crushed stone (Granular A)
underslab drainage system – see Soils Report

F3. GARAGE SLAB

50 mm asphalt
150 mm crushed stone (Granular A)
150 mm crushed stone (Granular B Type II)
underslab drainage system – see Soils Report

F4. RESERVED

F5. FLOOR SLABS EXTENDING OVER EXTERIOR/GARAGE

Poured concrete – see Struct.
50mm rigid insulation

F6. STRUCTURAL SLAB

Poured concrete – see Struct.
13mm resilient channels @ 400 o.c.
13mm drywall

ROOF

R1. SLOPED ROOF

20 year asphalt shingles
ice shield eave and valley protection
12 mm ext. grade plywood sheathing with H. clips
pre-engineered wood trusses @ 600 o.c. c/w
additional framing as req'd to suit roof profile
blown insulation RSI 7 /R40)
13mm O.S.B. sheathing – see Struct. for nailing
6 mil polyethelene vapour barrier
2 layers of 15.9 mm continuous fire rated drywall

R2. FLAT ROOF

tar and gravel built-up roof
16mm T&G plywood sheathing
pre-engineered roof trusses @ 600mm o.c.
(slope top cord 2% to drain – see roof plan)
blown insulation RSI 7 /R40)
13mm O.S.B. sheathing – see Struct. for nailing
6 mil polyethelene vapour barrier
2 layers of 15.9 mm continuous fire rated drywall

R3. TERRACE ROOF

landscape material
(see Landscape dwgs.)
75mm clear crushed gravel ballast
Terraslip 651 protection fabric – by Protecto
50mm rigid insulation – by Dow Styrofoam
rubberized waterproof membrane – Hydrotech 6125
poured concrete slab – see Struct.

R4. FLAT ROOF

tar and gravel built-up roof
19mm T&G plywood
68mm polyisocyanurate insul. R20 – mech. fastened
Continuous Bitumen membrane
38mm Metal Deck
Steel beams – see Struct.
90mm metal stud framing
1 layer of 13mm drywall

R5. SLOPED ROOF

20 year asphalt shingles
ice shield eave and valley protection
12 mm ext. grade plywood sheathing with H. clips
pre-engineered wood trusses @ 600 o.c. c/w
additional framing as req'd to suit roof profile
178 mm blown insulation RSI 7 /R40)
13mm O.S.B. sheathing – see Struct. for nailing
6 mil polyethelene vapour barrier
1 layer of 13mm drywall

R6. UNINSULATED SLOPED ROOF

20 year asphalt shingles
ice shield eave and valley protection
19 mm ext. grade plywood sheathing with H. clips
pre-engineered wood trusses @ 600 o.c. c/w
additional framing as req'd to suit roof profile
13mm O.S.B. sheathing – see Struct. for nailing
vinyl beaded, 3-ribbed soffit

NOTE: SEE DWG A2 FOR WALL TYPES

| no. | date | revision |
|---|---|---|
| 3 | 98-10-13 | ISSUED FOR TENDER |
| 2 | 23/09/98 | BLDG PERMIT/STRUCT/SITE SERV |
| 1 | 04/09/98 | ISSUED FOR 30% REVIEW |

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CITY OF NEPEAN PLANS EXAMINED NOV 04 1998 BUILDING

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Email: mail@hobinarc.com

project
**MERIDIAN**
At CENTREPOINTE
Nepean, Ontario

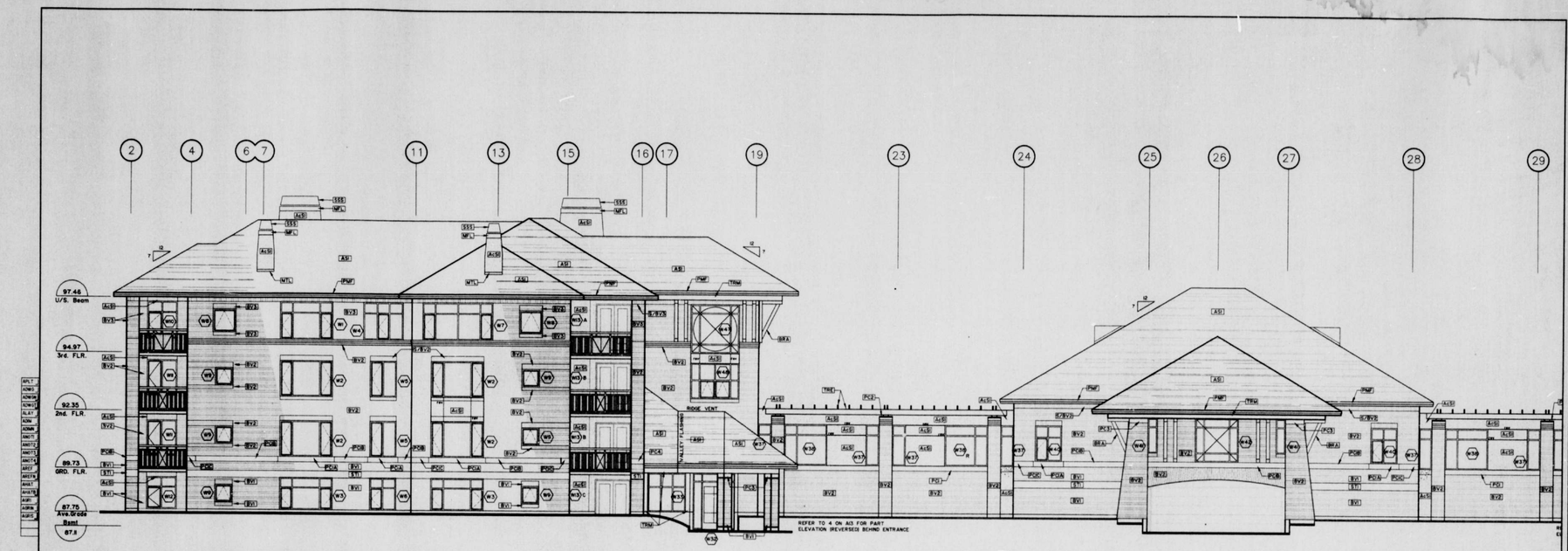
drawing title
BUILDING SECTIONS
GARAGE/LINK/COMMON BLDG

| drawn | date | scale |
|---|---|---|
| RB | SEPT. 1998 | 1:75 |

project 2387

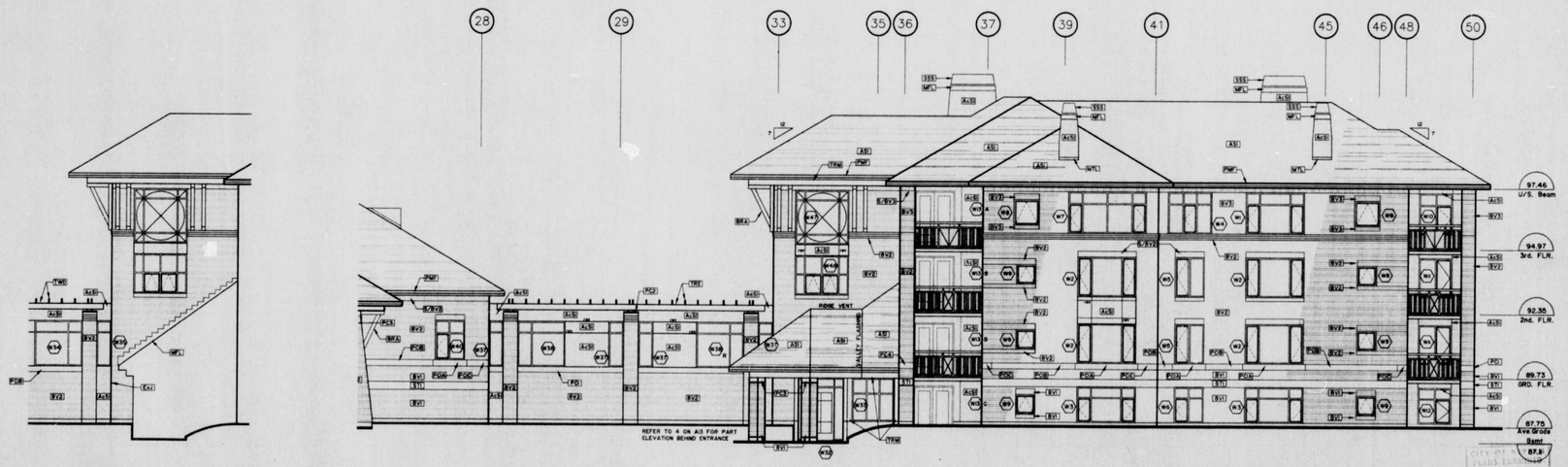
drawing no. A12

revision no.




1 A13 NORTH BLOCK WEST ELEVATION 1:75

2 A13 CENTRE BLOCK WEST ELEVATION 1:75




4 A13 SOUTH BLOCK PARTIAL ELEVATION 1:75

3 A13 SOUTH BLOCK WEST ELEVATION 1:75

CITY OF NEPEAN PLANS EXAMINER NOV - 9 1998

LEGEND

- AS1 ASPHALT SHINGLES TYPE I
- BV1 BRICK VENEER TYPE I
- S/BV1 SOLDER COURSE OF BV1
- BV2 BRICK VENEER TYPE 2
- S/BV2 SOLDER COURSE OF BV2
- BV3 BRICK VENEER TYPE 3
- S/BV3 SOLDER COURSE OF BV3
- PCA PRECAST CONCRETE TYPE I - SILL
- PCB PRECAST CONCRETE TYPE I - WALL
- PC2 PRECAST CONCRETE TYPE 2 - CAP
- PC3 PRECAST CONCRETE TYPE 3 - CAP
- PC4 PRECAST CONC. TYPE 4 - COLUMN
- PC5 PRECAST CONC. TYPE 5 - WALL CAP
- ST1 STONE TYPE I
- AC5 ACRYLIC STUCCO TYPE I
- rev 13x13mm ROUTED REVEAL
- TRE TRELLIS WOOD
- TRW PAINTED WOOD TRIM
- BRA PAINTED WOOD BRACKET
- FWP FIRE WALL PARAPET
- SSS PERFORATED STAINLESS STEEL SCREEN
- MFL PREFINISHED METAL FLASHING
- PMF PREFINISHED METAL FACSIA
- RV1 ROOF DORMER VENT
- BCJ BRICK CONTROL JOINT
- EXJ EXPANSION JOINT

| no. | date | revision |
|---|---|---|
| 3 | 98-10-13 | ISSUED for TENDER |
| 2 | 23 SEP 98 | ISSUED for PERMIT and STRUCTURAL / MS SERVICES TENDER |
| 1 | 04 SEP 98 | ISSUED for 30% REVIEW |

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project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

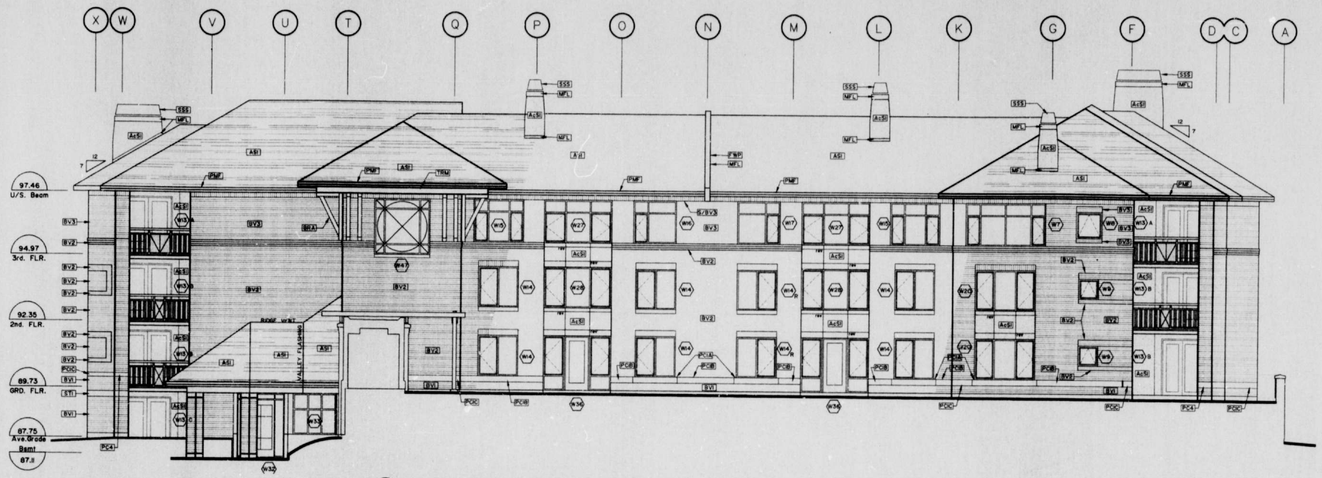
drawing title
**WEST ELEVATIONS**

| drawn | date | scale |
|---|---|---|
| BH | SEPT 1998 | 1:75 |

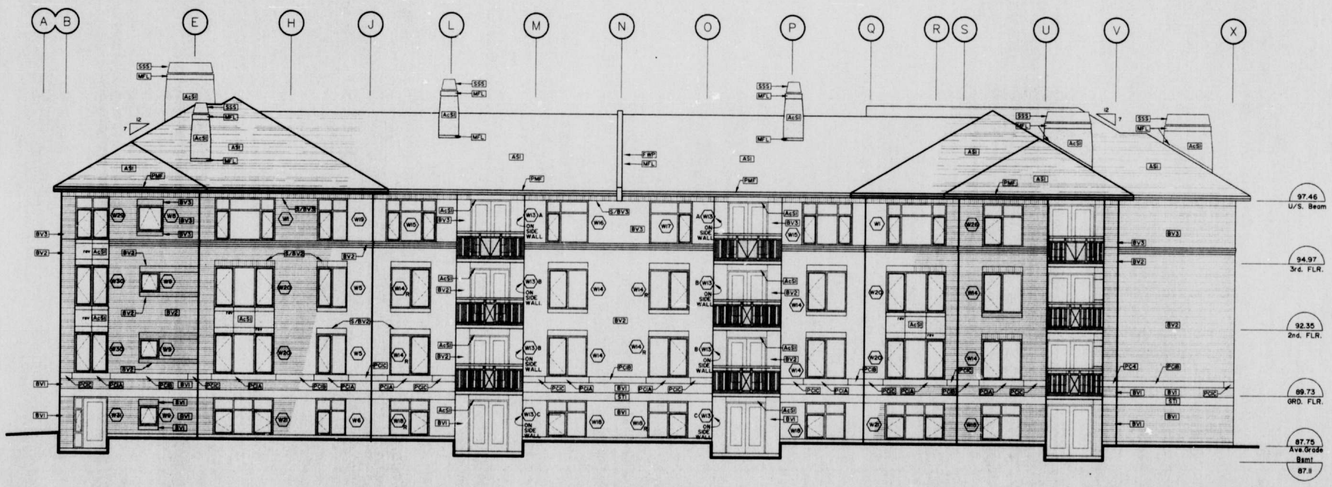
project 2397

drawing no. **A13**

revision no.




1/A14 NORTH BLOCK SOUTH ELEVATION (SOUTH BLOCK NORTH ELEVATION REVERSED)
1:75




2/A14 NORTH BLOCK NORTH ELEVATION (SOUTH BLOCK SOUTH ELEVATION REVERSED)
1:75

LEGEND

- AS ASPHAULT SHINGLES TYPE 1
- BV1 BRICK VENEER TYPE 1
- S/BV1 SOLDIER COURSE OF BV1
- BV2 BRICK VENEER TYPE 2
- S/BV2 SOLDIER COURSE OF BV2
- BV3 BRICK VENEER TYPE 3
- S/BV3 SOLDIER COURSE OF BV3
- PCA PRECAST CONCRETE TYPE 1 - SILL
- PCB PRECAST CONCRETE TYPE 1 - WALL
- PC2 PRECAST CONCRETE TYPE 2 - CAP
- PC3 PRECAST CONCRETE TYPE 3 - CAP
- PC4 PRECAST CONC. TYPE 4 - COLUMN
- PC5 PRECAST CONC. TYPE 5 - WALL CAP
- ST1 STONE TYPE 1
- AS2 ACRYLIC STUCCO TYPE 1
- rev 13x13mm ROUTED REVEAL
- TRE TRELLIS WOOD
- TRW PAINTED WOOD TRIM
- BRA PAINTED WOOD BRACKET
- FWP FIRE WALL PARAPET
- SSS PERFORATED STAINLESS STEEL SCREEN
- MFL PREFINISHED METAL FLASHING
- PSF PREFINISHED METAL FACSIA
- RV1 ROOF DORMER VENT
- BCJ BRICK CONTROL JOINT
- EXJ EXPANSION JOINT

| no. | date | revision |
|---|---|---|
| 3 | 98-10-15 | ISSUED for TENDER |
| 2 | 23 SEP 98 | ISSUED for PERMIT and FINANCIAL / SITE SERVICES TENDER |
| 1 | 04 SEP 98 | ISSUED for 30% REVIEW |

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CITY OF NEPEAN
PLANS EXAMINED
NOV 1998
PLAN EXAMINER

project
**MERIDIAN At CENTREPOINTE**
Nepean, Ontario

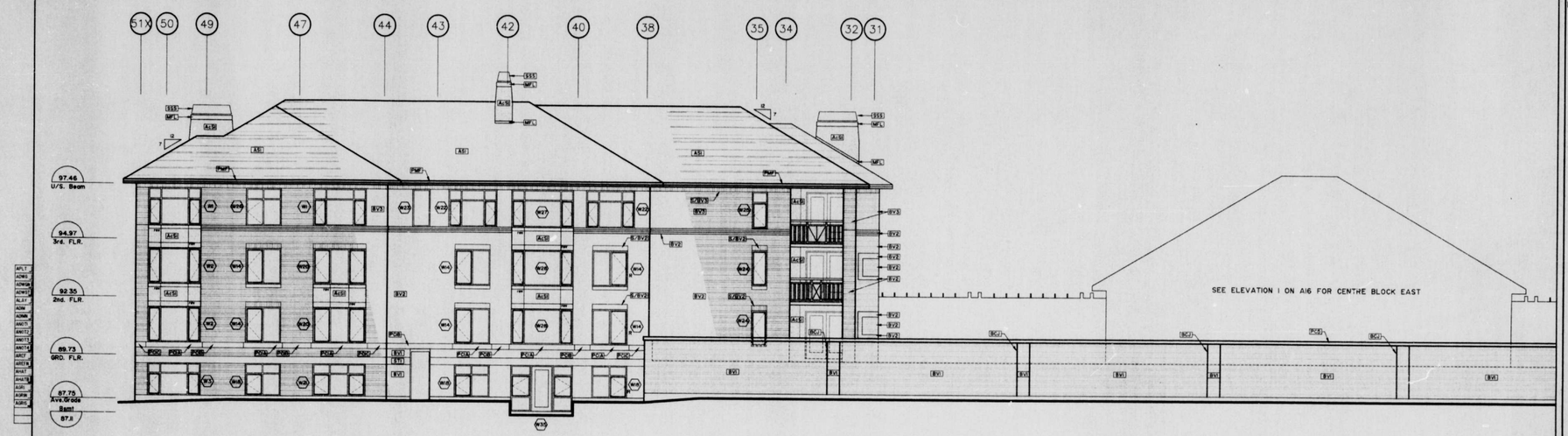
drawing title
**NORTH and SOUTH ELEVATIONS**

| drawn | date | scale |
|---|---|---|
| JH | SEPT 1998 | 1:75 |

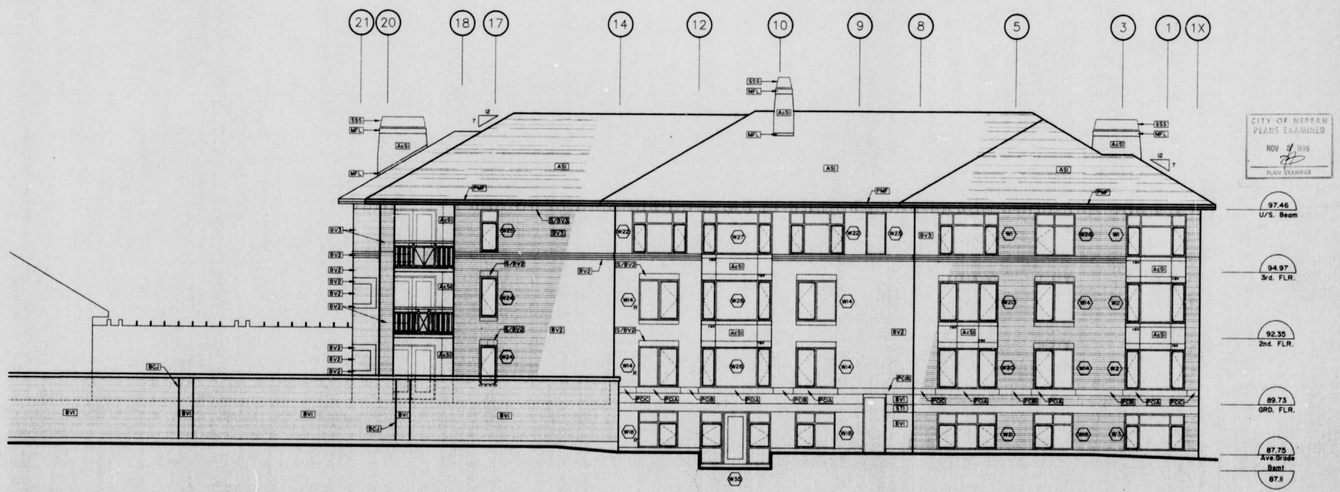
project 2397

drawing no. **A14**

revision no.




1 / A15 SOUTH BLOCK EAST ELEVATION
1/75




2 / A15 NORTH BLOCK EAST ELEVATION
1/75

LEGEND

| | |
|---|---|
| AS1 | ASPHALT SHINGLES TYPE 1 |
| BV1 | BRICK VENEER TYPE 1 |
| S/BV1 | SOLDIER COURSE OF BV1 |
| BV2 | BRICK VENEER TYPE 2 |
| S/BV2 | SOLDER COURSE OF BV2 |
| BV3 | BRICK VENEER TYPE 3 |
| S/BV3 | SOLDER COURSE OF BV3 |
| PC1A | PRECAST CONCRETE TYPE 1 - SILL |
| PC1B | PRECAST CONCRETE TYPE 1 - WALL |
| PC2 | PRECAST CONCRETE TYPE 2 - CAP |
| PC3 | PRECAST CONCRETE TYPE 3 - CAP |
| PC4 | PRECAST CONC. TYPE 4 - COLUMN |
| PC5 | PRECAST CONC. TYPE 5 - WALL CAP |
| ST1 | STONE TYPE 1 |
| AC1 | ACRYLIC STUCCO TYPE 1 |
| rev | 12x15mm ROUTED REVEAL |
| TRE | TRELLIS WOOD |
| TRM | PAINTED WOOD TRIM |
| BRA | PAINTED WOOD BRACKET |
| FWP | FIRE WALL PARAPET |
| SSS | PERFORATED STAINLESS STEEL SCREEN |
| MFL | PREFINISHED METAL FLASHING |
| PMF | PREFINISHED METAL FACSIA |
| RVT | ROOF DORMER VENT |
| BCJ | BRICK CONTROL JOINT |
| EXJ | EXPANSION JOINT |

| no. | date | revision |
|---|---|---|
| 3 | 98-10-15 | ISSUED for TENDER |
| 2 | 23 SEP 98 | ISSUED for PERMIT and STRUCTURAL / MECH. SERVICES TENDERS |
| 1 | 04 SEP 98 | ISSUED for 50% REVIEW |

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NOV 1 1998
PLAN EXAMINER

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project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

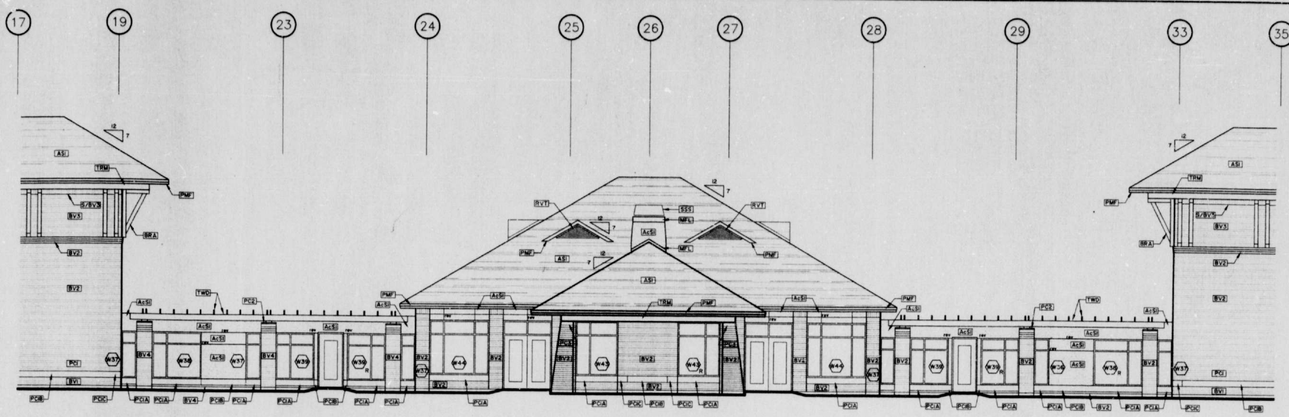
drawing title
**EAST ELEVATION**

| drawn | date | scale |
|---|---|---|
| JH | SEPT 1998 | 1:75 |

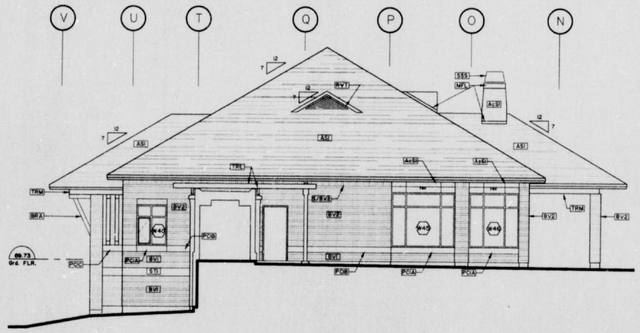
project 2397

drawing no. **A15**

revision no.




1/A16 CENTRE BLOCK EAST ELEVATION
1:75




2/A16 CENTRE BLOCK SOUTH ELEVATION
1:75

LEGEND

| | |
|---|---|
| AS | ASPHALT SHINGLES TYPE 1 |
| BV1 | BRICK VENEER TYPE 1 |
| S/BV1 | SOLDER COURSE OF BV1 |
| BV2 | BRICK VENEER TYPE 2 |
| S/BV2 | SOLDER COURSE OF BV2 |
| BV3 | BRICK VENEER TYPE 3 |
| S/BV3 | SOLDER COURSE OF BV3 |
| PCA | PRECAST CONCRETE TYPE 1 - SILL |
| PCB | PRECAST CONCRETE TYPE 1 - WALL |
| PC2 | PRECAST CONCRETE TYPE 2 - CAP |
| PC3 | PRECAST CONCRETE TYPE 3 - CAP |
| PC4 | PRECAST CONC. TYPE 4 - COLUMN |
| PC5 | PRECAST CONC. TYPE 5 - WALL CAP |
| ST1 | STONE TYPE 1 |
| AC10 | ACRYLIC STUCCO TYPE 1 |
| rr | 13x13mm ROUTED REVEAL |
| TRE | TRELLIS WOOD |
| TRW | PAINTED WOOD TRIM |
| BRA | PAINTED WOOD BRACKET |
| FWP | FIRE WALL PARAPET |
| SS1 | PERFORATED STAINLESS STEEL SCREEN |
| MFL | PREFINISHED METAL FLASHING |
| PMF | PREFINISHED METAL FACIA |
| RVT | ROOF DORMER VENT |
| BCJ | BRICK CONTROL JOINT |
| EXJ | EXPANSION JOINT |

| no. | date | revision |
|---|---|---|
| 3 | 98-10-13 | ISSUED for TENDER |
| 2 | 23 SEP. 98 | ISSUED for PERMIT and FINANCIAL & SITE PLANNING CONTROL |
| 1 | 04 SEP. 98 | ISSUED for 30% REVIEW |

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project
**MERIDIAN**
At CENTREPOINTE
Nepean, Ontario

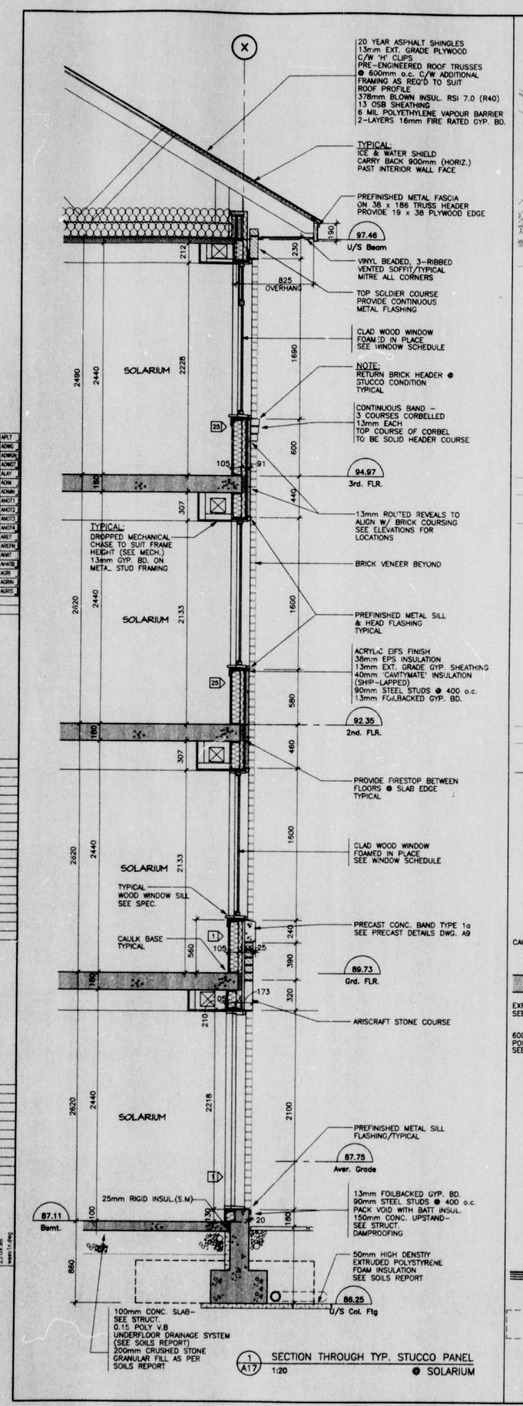
drawing title
**PART ELEVATIONS**

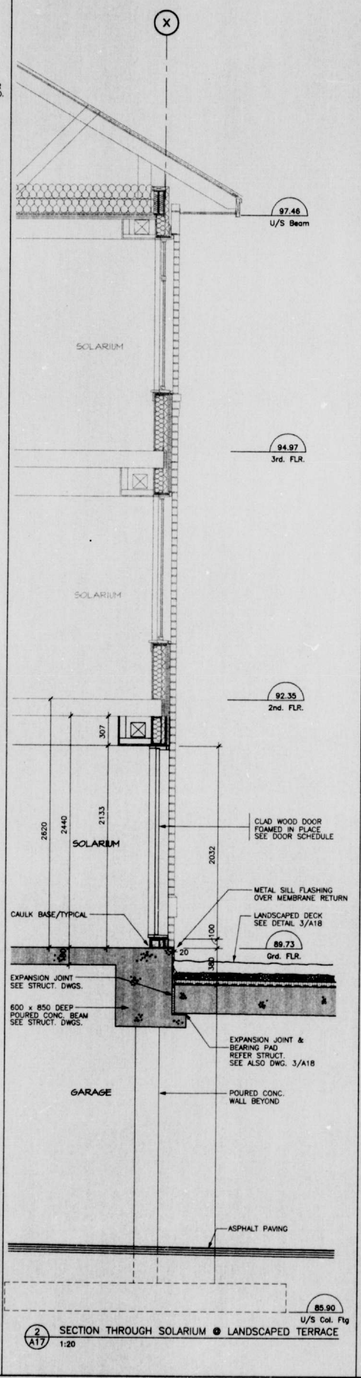
| drawn | date | scale |
|---|---|---|
| jm | SEPT 1998 | 1:75 |

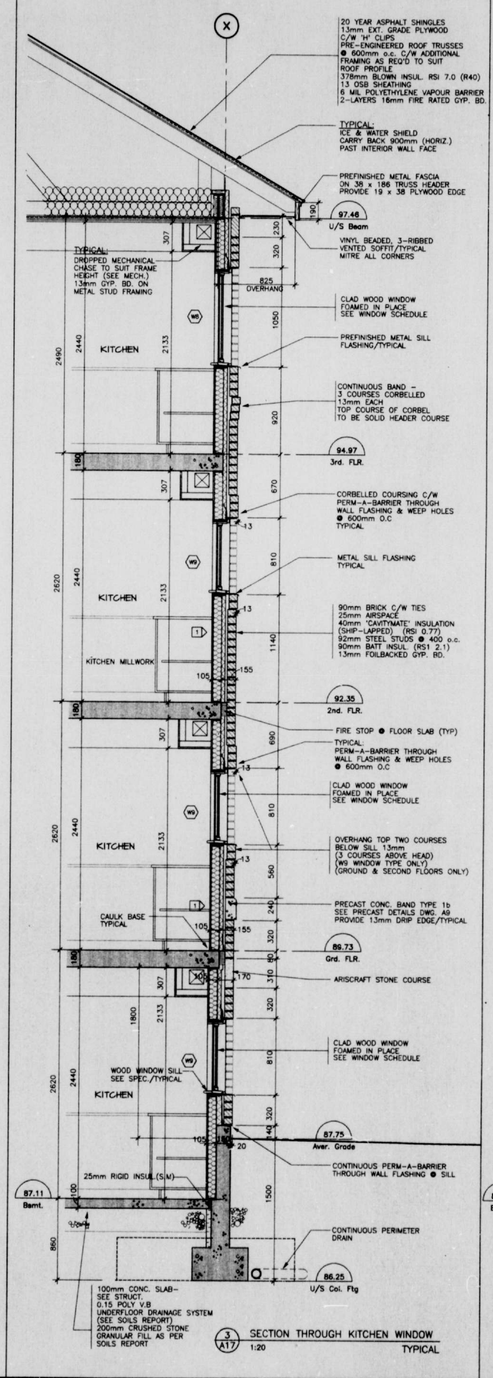
project 2397

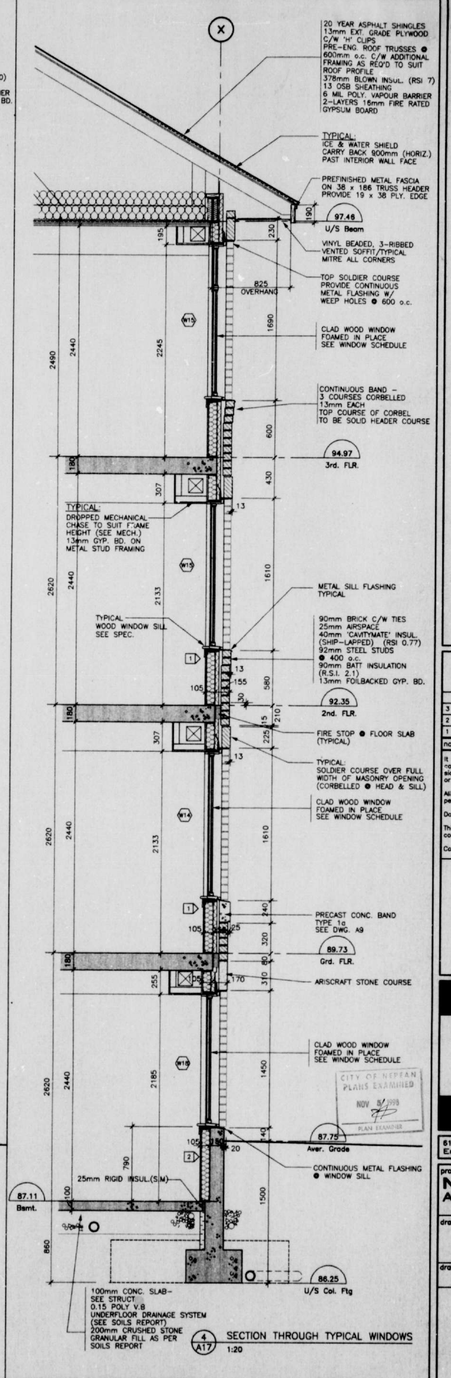
drawing no. **A16**

revision no.




| no. | date | revision |
|---|---|---|
| 3 | 98/10/13 | ISSUED FOR TENDER |
| 2 | 23/09/98 | BLDG PERMIT/STRUCT/SITE SERV |
| 1 | 04/09/98 | ISSUED FOR 30% REVIEW |

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CITY OF NEPEAN PLANS EXAMINED NOV 9/98

project: MERIDIAN At CENTREPOINTE Nepean, Ontario

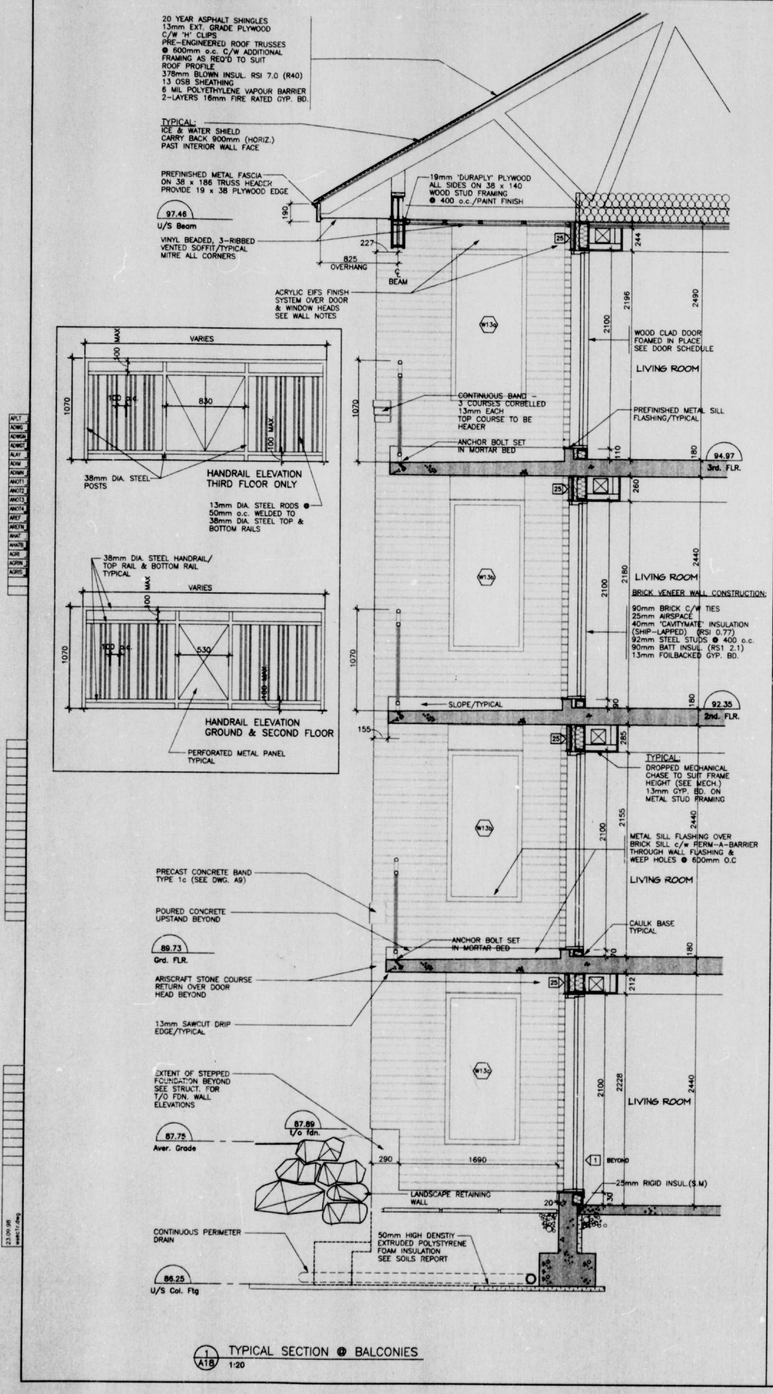
drawing title: TYPICAL WALL SECTIONS

| drawn | date | scale |
|---|---|---|
| RW | SEPT. 1998 | 1:20 |

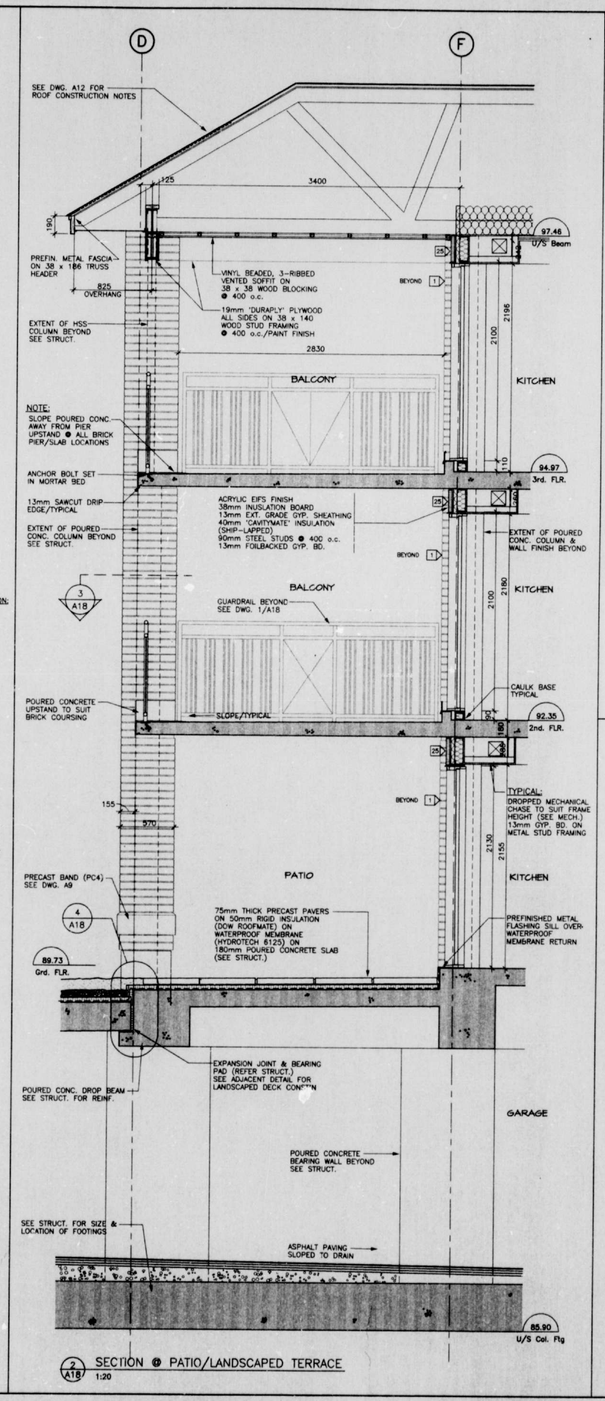
project 2387

drawing no. A17

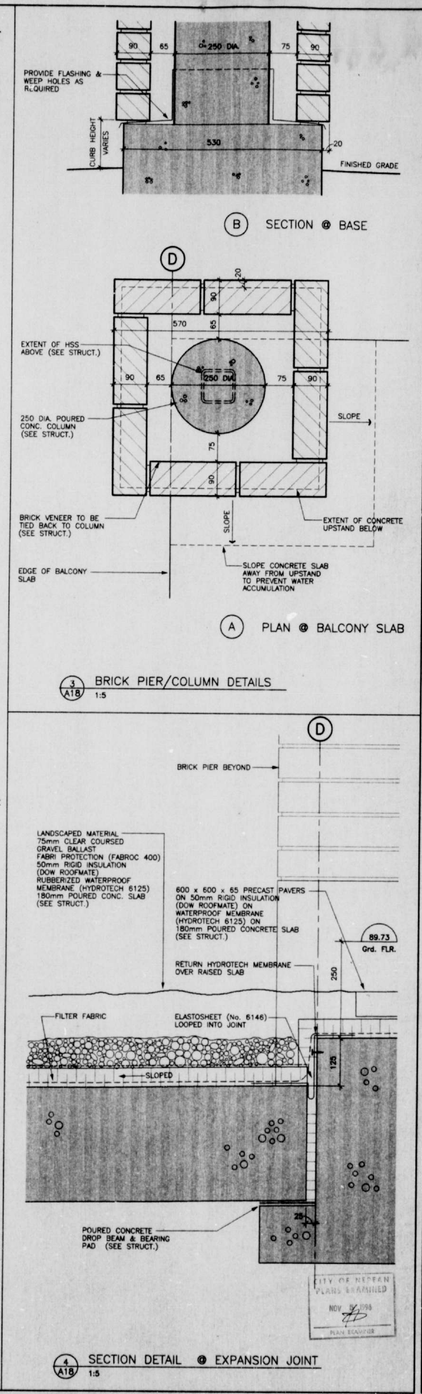
revision no.




1 A18 TYPICAL SECTION @ BALCONIES
1:20




2 A18 SECTION @ PATIO/LANDSCAPED TERRACE
1:20




B SECTION @ BASE




A PLAN @ BALCONY SLAB

3 A18 BRICK PIER/COLUMN DETAILS
1:5




4 A18 SECTION DETAIL @ EXPANSION JOINT
1:5

| no. | date | revision |
|---|---|---|
| 3 | 98/10/13 | ISSUED FOR TENDER |
| 2 | 23/09/98 | BLDG PERMIT/STRUCT/SITE SERV |
| 1 | 04/09/98 | ISSUED FOR 30% REVIEW |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

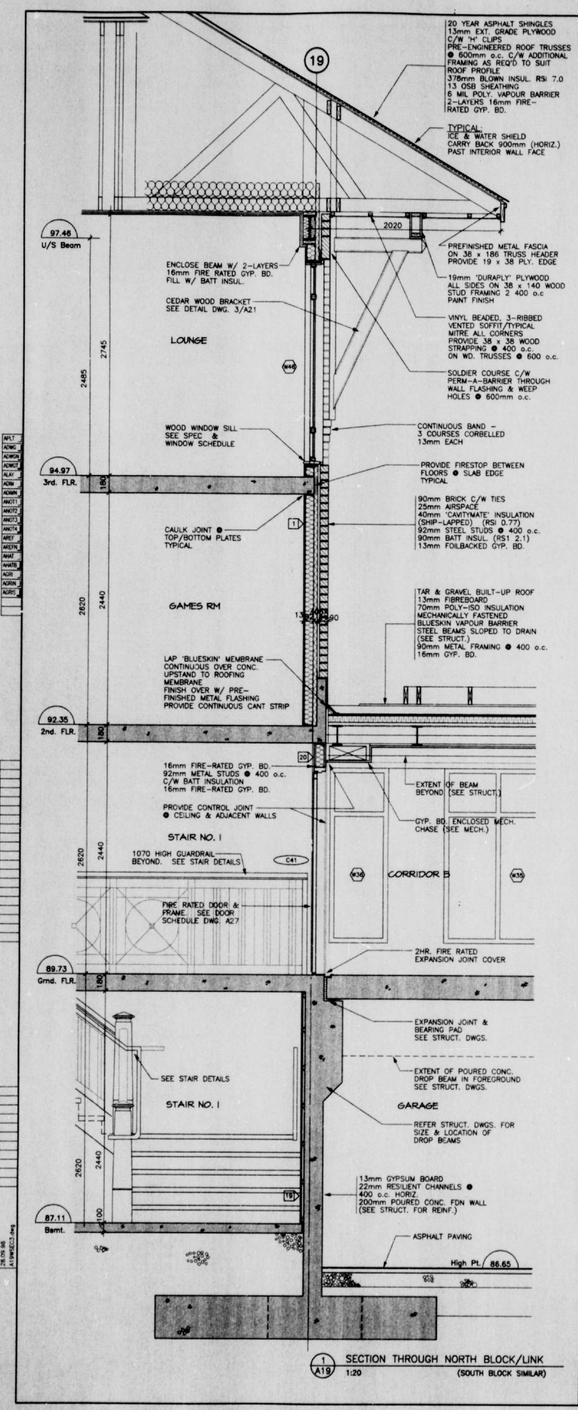
drawing title
WALL SECTIONS

| drawn | date | scale |
|---|---|---|
| RV | SEPT. 1998 | AS NOTED |

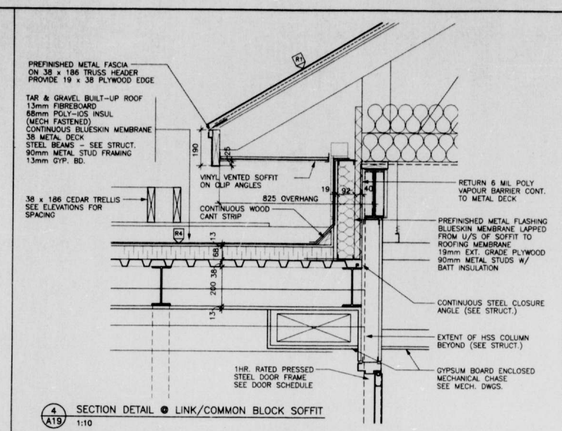
project 2397

drawing no. A18

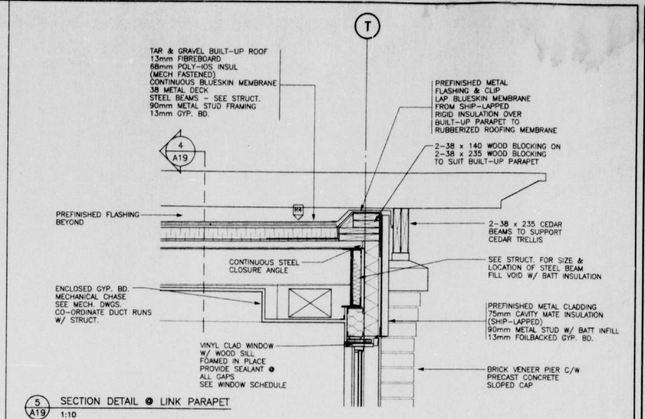
revision no.



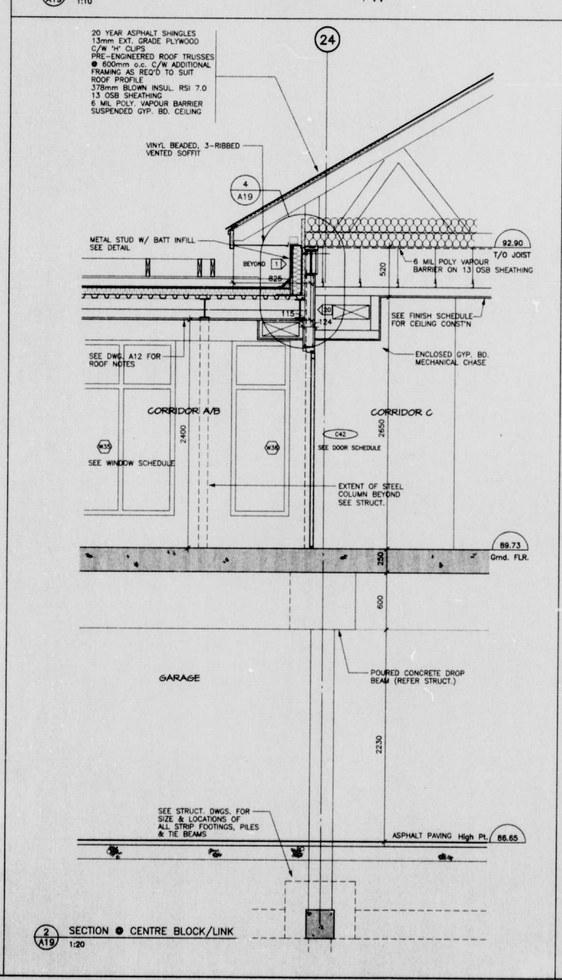

1 / A19 SECTION THROUGH NORTH BLOCK/LINK (SOUTH BLOCK SIMILAR)
1:20



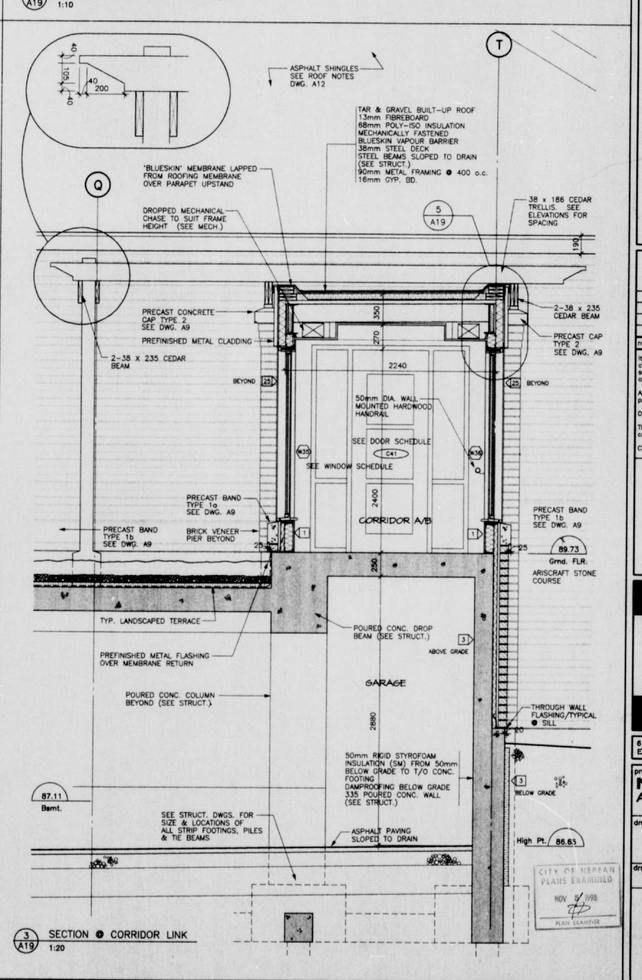

4 / A19 SECTION DETAIL @ LINK/COMMON BLOCK SOFFIT
1:10




5 / A19 SECTION DETAIL @ LINK PARAPET
1:10




2 / A19 SECTION @ CENTRE BLOCK/LINK
1:20




3 / A19 SECTION @ CORRIDOR LINK
1:20

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|---|---|---|
| 1 | 98/10/13 | ISSUED FOR TENDER |

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project
**MERIDIAN At CENTREPOINTE**
Nepean, Ontario

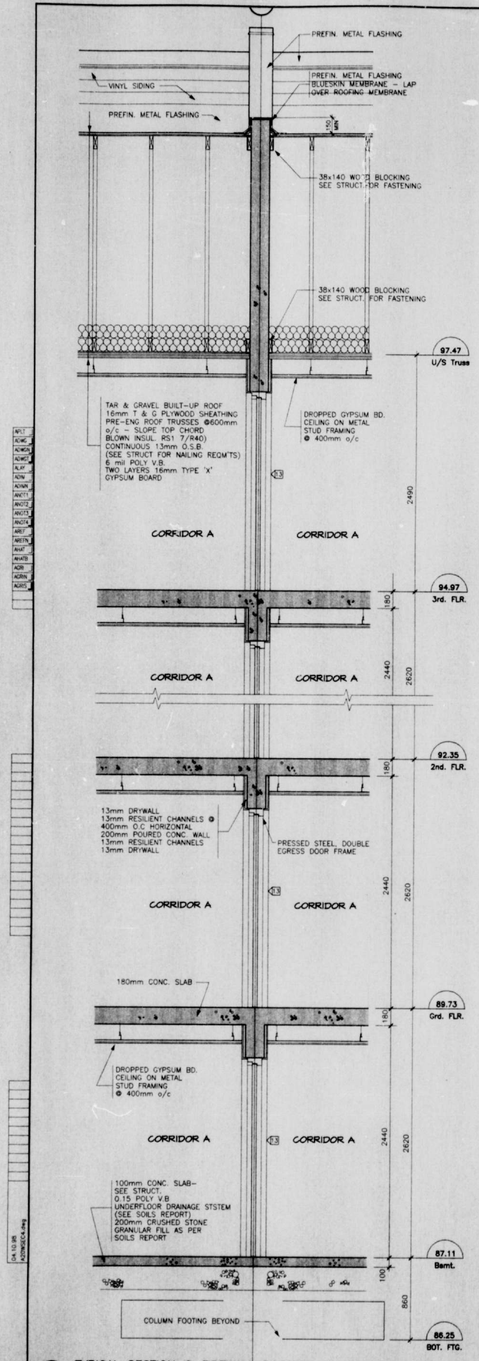
drawing title
**WALL SECTIONS**

| drawn | date | scale |
|---|---|---|
| RV | SEPT. 1998 | AS NOTED |

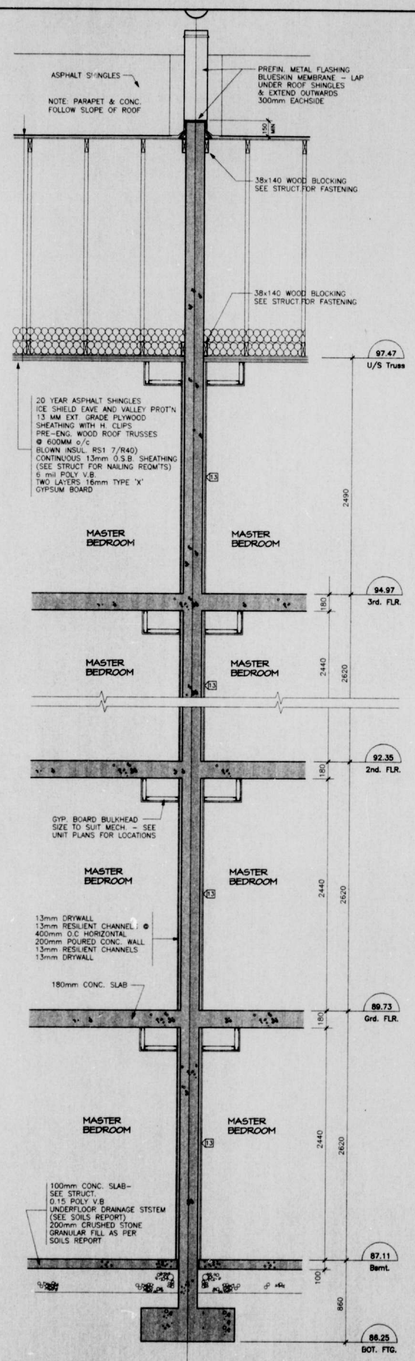
project 2397

drawing no. **A19**

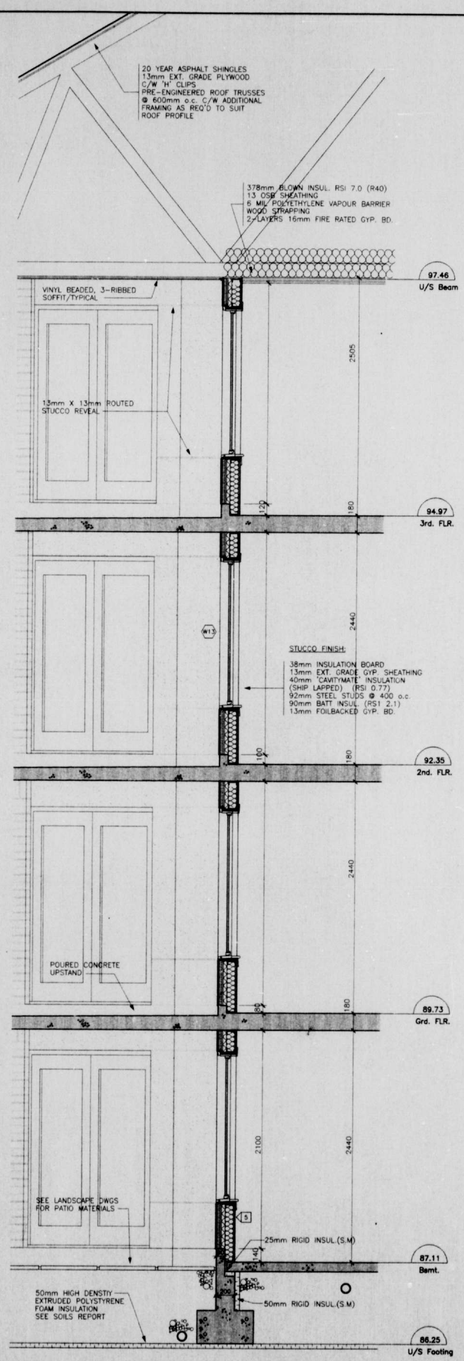
revision no.




A20 TYPICAL SECTION @ FIREWALL DOORS — 2 HR. Fire Rated
1:20




A20 TYPICAL SECTION @ FIREWALL — 2 HR. Fire Rated
1:20




A20 SECTION @ RECESS (PEAK)
1:20

CITY OF NEPEAN
PLANS EXAMINED
NOV 1998
PLAN EXAMINER

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|---|---|---|
| 1 | 98.10.13 | ISSUED FOR TENDER |

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**At CENTREPOINTE**
Nepean, Ontario

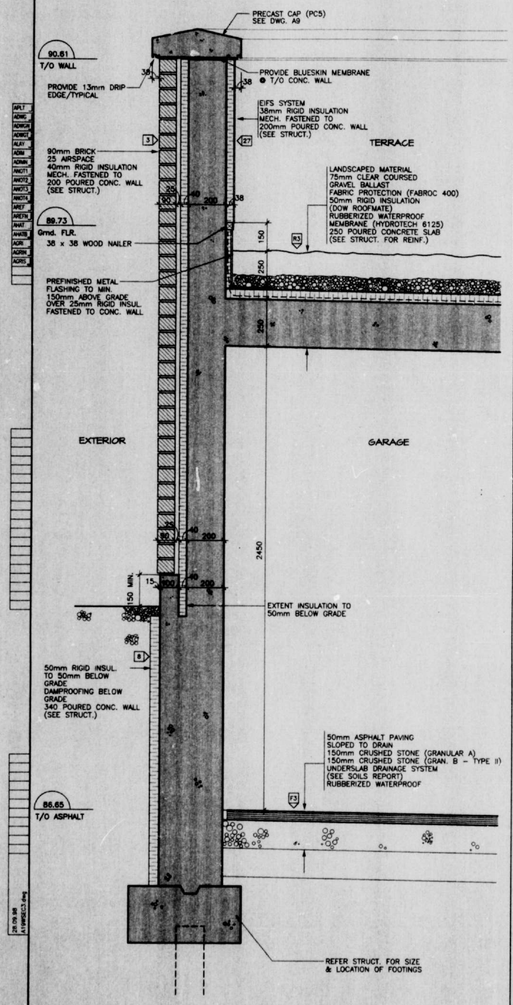
drawing title
**WALL SECTIONS**

| drawn | date | scale |
|---|---|---|
| BB | SEPT. 1998 | 1:20 |

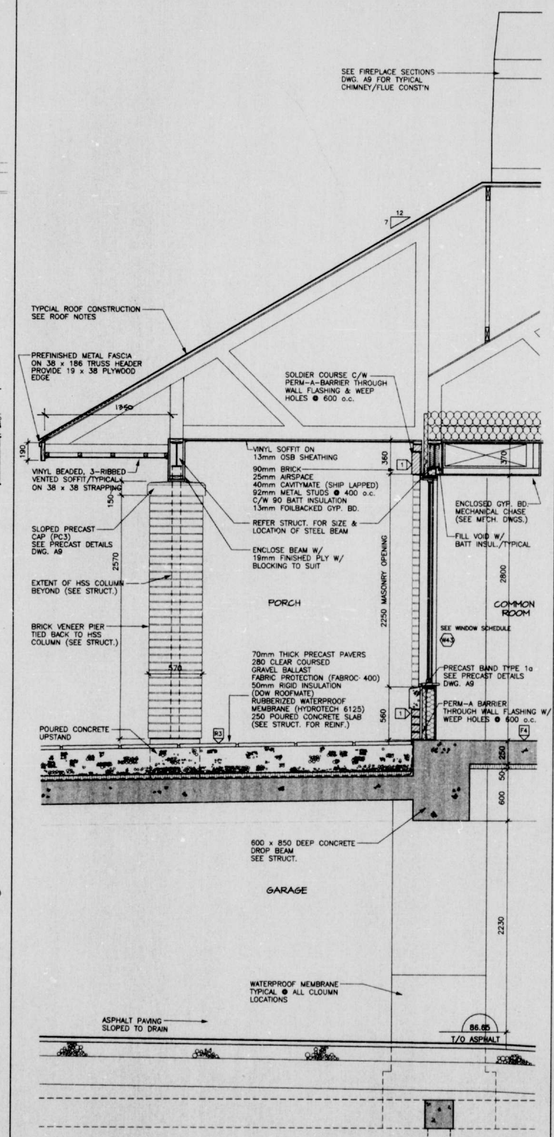
project 2397

drawing no. **A20**

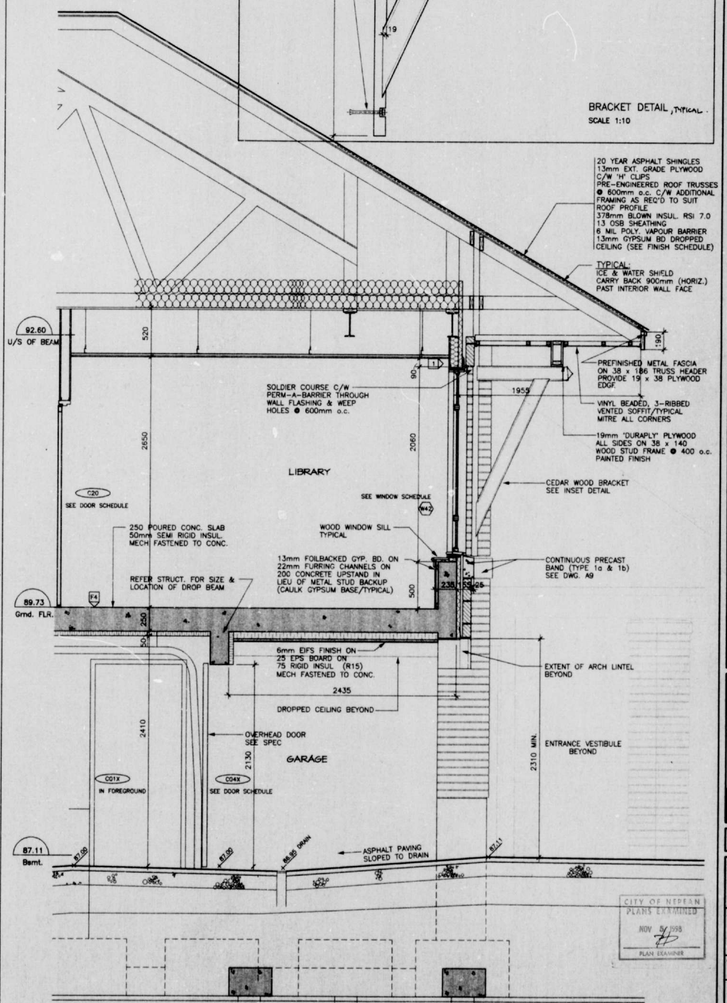
revision no.



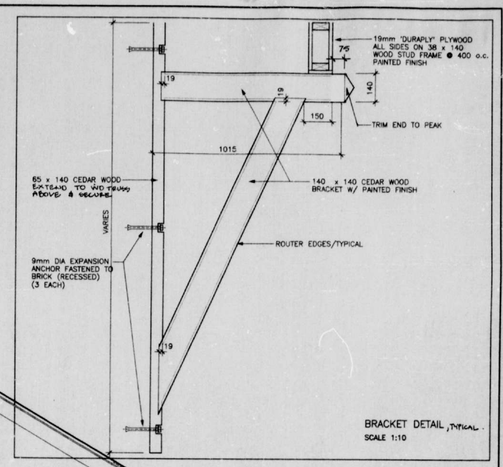

1 A21 SECTION THROUGH GARAGE/RETAINING WALL
1:10




2 A21 SECTION THROUGH CENTRE BLOCK/TERRACE
1:20




2 A21 SECTION THROUGH CENTRE BLOCK
1:20




BRACKET DETAIL, TYPICAL
SCALE 1:10

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|---|---|---|
| 1 | 98/10/13 | ISSUED FOR TENDER |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

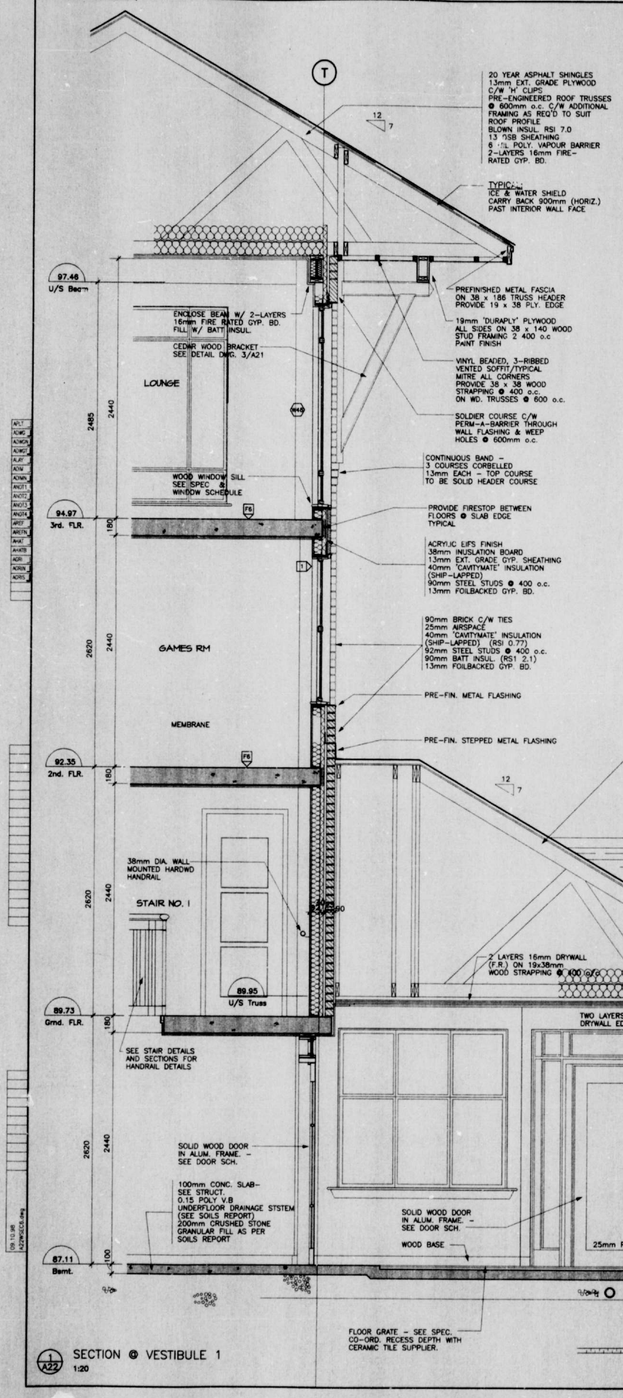
drawing title
WALL SECTIONS

| drawn | date | scale |
|---|---|---|
| RV | OCT. 1998 | AS NOTED |

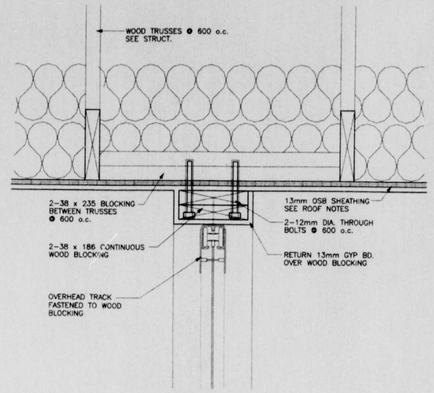
project 2387

drawing no. A21

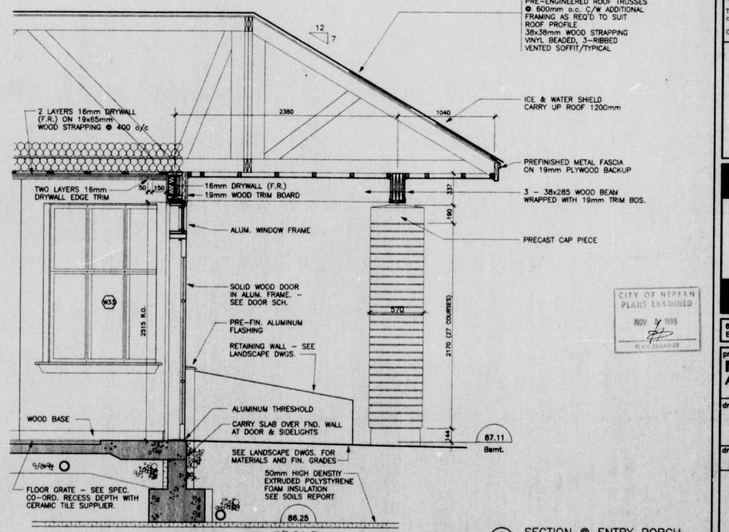
revision no.




1/A22 SECTION @ VESTIBULE 1
1:20




1/A22 SECTION @ FOLDING PARTITION
1:5




1/A22 SECTION @ ENTRY PORCH
1:20

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NOV 1998

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|---|---|---|
| 1 | 98-10-13 | ISSUED FOR TENDER |

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project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

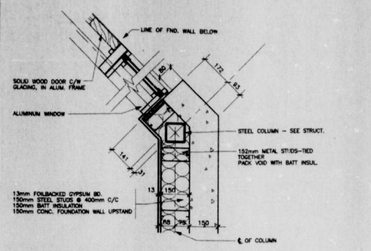
drawing title
**WALL SECTIONS**

| drawn | date | scale |
|---|---|---|
| BB | OCT 1998 | 1:20 |

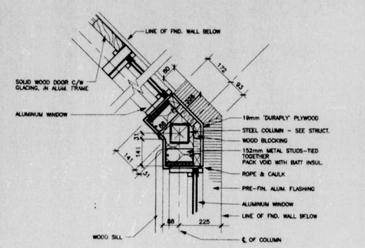
project 2397

drawing no. **A22**

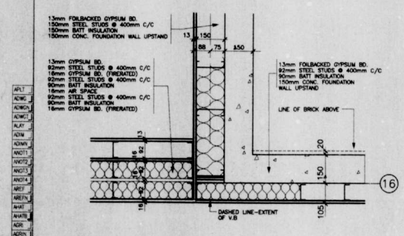
revision no.



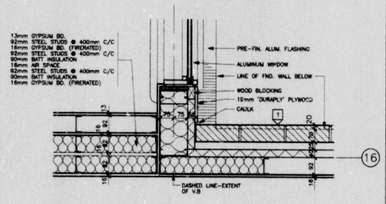

1/A23 VESTIBULE DETAIL – BELOW GRADE
1:10




VESTIBULE DETAIL – ABOVE GRADE




2/A23 VESTIBULE DETAIL – BELOW GRADE
1:10

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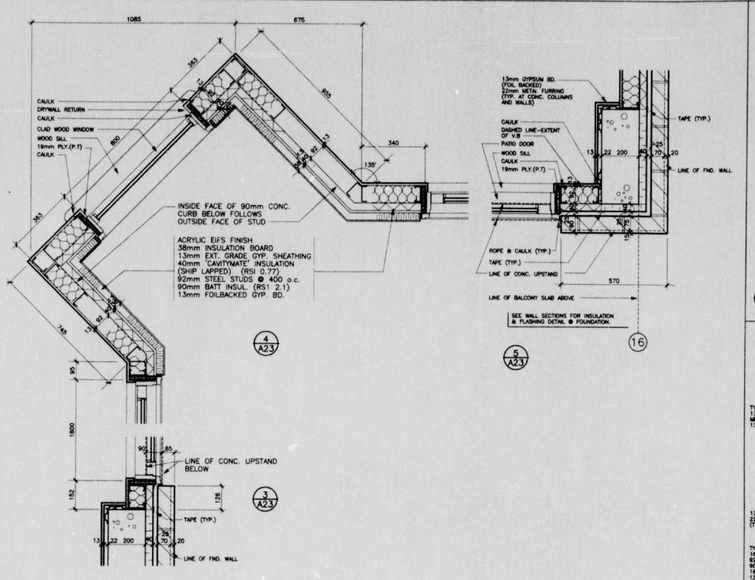
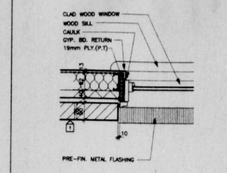
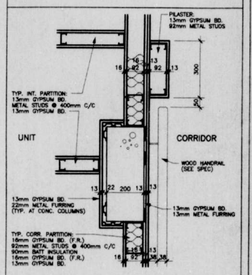


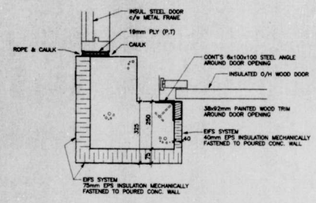

DETAILS AT RECESS (PEAK)
1:10




6/A23 TYPICAL WINDOW AT BRICK
1:10




7/A23 TYP. CONC. COLUMN @ CORR.
1:10




8/A23 OVERHEAD DOOR JAMB DETAIL
1:10

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NOV 14 1998
PLANS EXAMINER

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

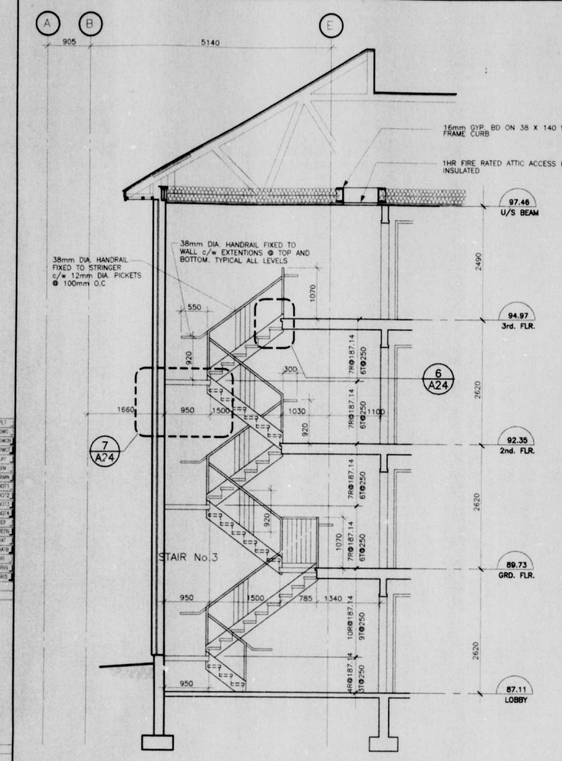
drawing title
PLAN DETAILS

| drawn | date | scale |
|---|---|---|
| BB | OCT. 1998 | 1:10 |

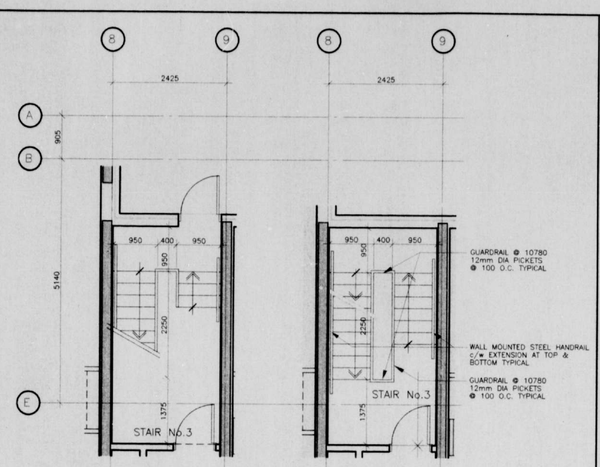
project 2397

drawing no. A23

revision no.

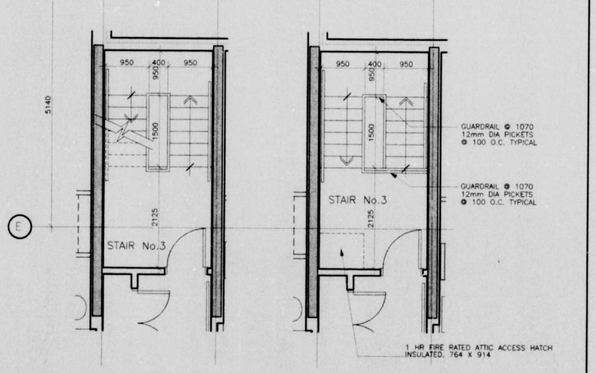



1 A?? STAIR No.3 – SECTION
SCALE 1 : 40



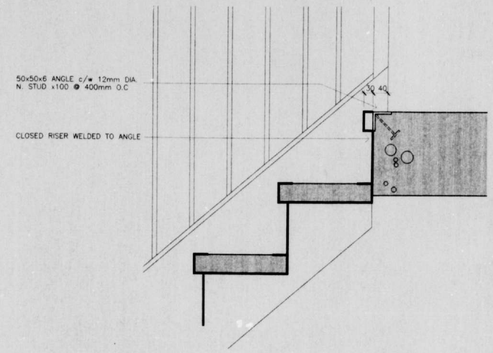

2 A24 BASEMENT–PLAN
SCALE 1 : 40

3 A24 GROUND FLOOR–PLAN
SCALE 1 : 40

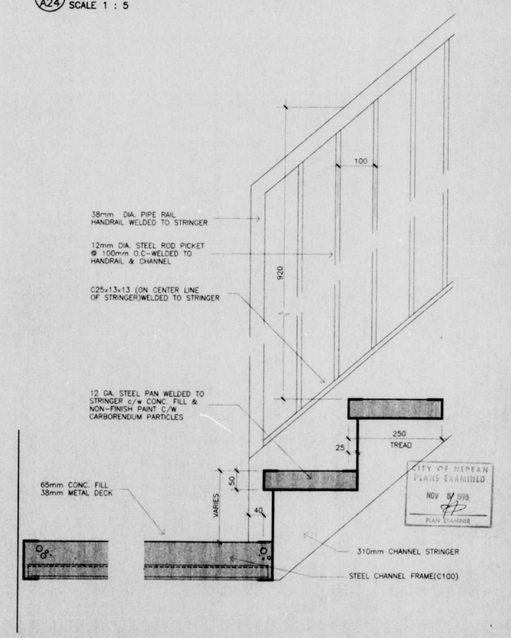



4 A24 SECOND FLOOR–PLAN
SCALE 1 : 40

5 A24 THIRD FLOOR–PLAN
SCALE 1 : 40




6 A24 TYP. FOR ST. No. 2,3 & 4 SECTION DETAIL
SCALE 1 : 5




7 A24 TYPICAL SECTION DETAIL @ LANDING
SCALE 1 : 5

| no. | date | revision |
|---|---|---|
| 3 | 98/10/13 | ISSUED FOR TENDER |
| 2 | 98/09/23 | BLDG PERMIT/STRUCT/SITE REVW |
| 1 | 98/09/04 | ISSUED 30% REVIEW |

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project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

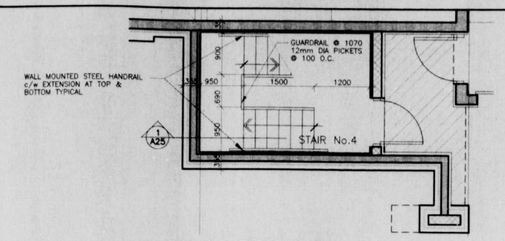
drawing title
**STAIR DETAILS**

| drawn | date | scale |
|---|---|---|
| WJN | SEPT 1998 | 1:40 |

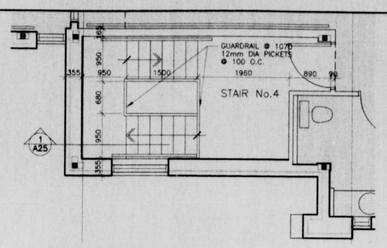
project 2397

drawing no. **A24**

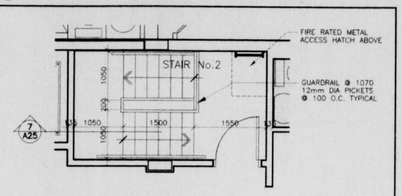
revision no.



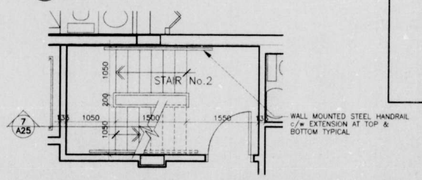

2 / A25 GROUND FLOOR–PLAN
SCALE 1 : 40



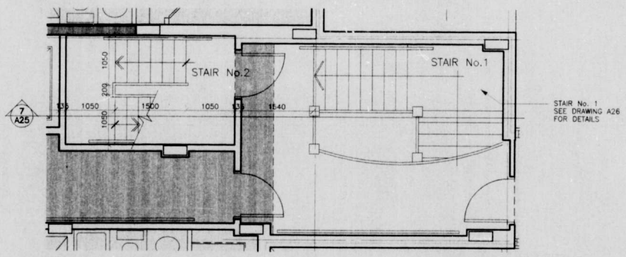

3 / A25 BASEMENT–PLAN
SCALE 1 : 40



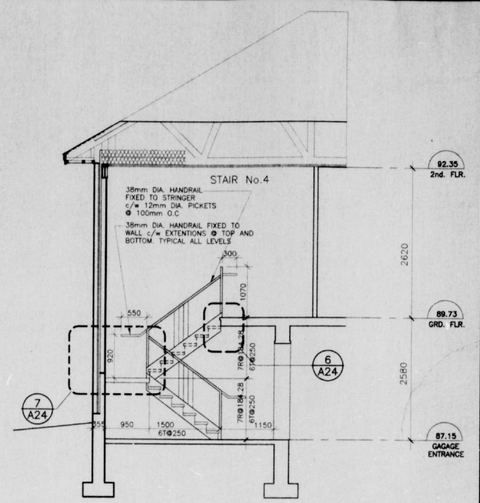

4 / A25 THIRD FLOOR–PLAN
SCALE 1 : 40



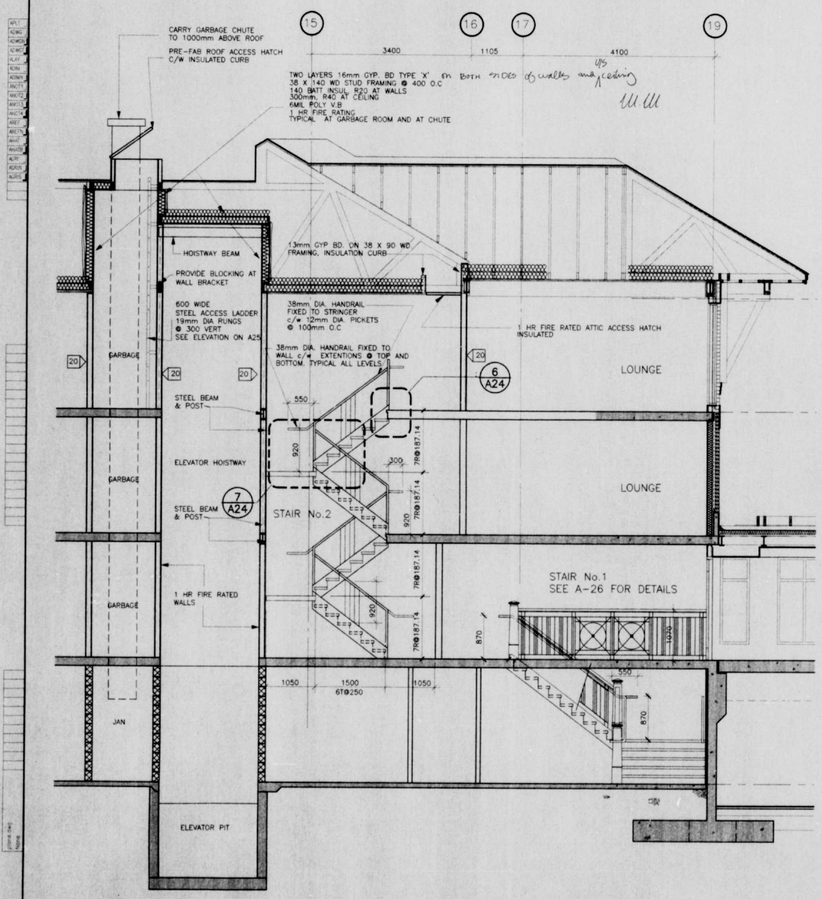

5 / A25 SECOND FLOOR–PLAN
SCALE 1 : 40




6 / A25 GROUND FLOOR–PLAN
SCALE 1 : 40




1 / A25 STAIR No.4 – SECTION
SCALE 1 : 40




7 / A25 STAIR No.1&2 – SECTION
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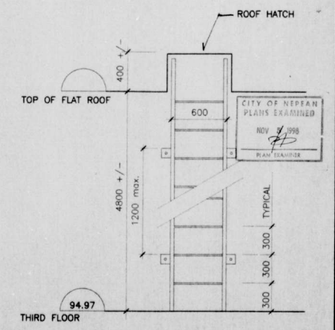


(SEE SPEC FOR MATERIALS)

8 / A25 STEEL ROOF ACCESS
LADDER DETAIL
SCALE 1 : 20

| no. | date | revision |
|---|---|---|
| 2 | 98 10 13 | ISSUED FOR TENDER |
| 1 | 98 09 04 | ISSUED 30% REVIEW |

It is the responsibility of the appropriate contractor to check and verify all dimensions on site and report all errors and/or omissions to the architect.

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Do not scale drawings.

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project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

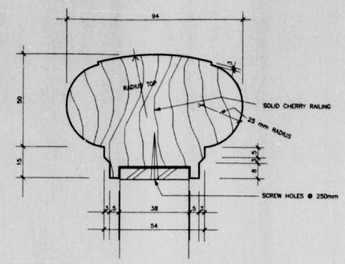
drawing title
**STAIR DETAILS**

| drawn | date | scale |
|---|---|---|
| W.W | SEPT 1998 | 1/40 |

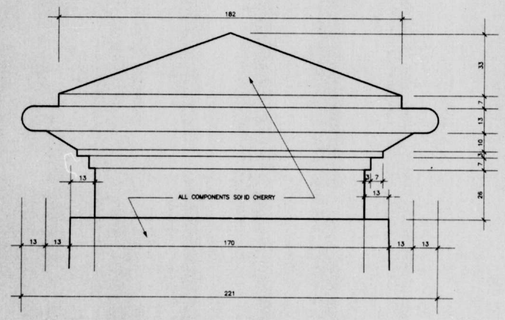
project 2397

drawing no. **A25**

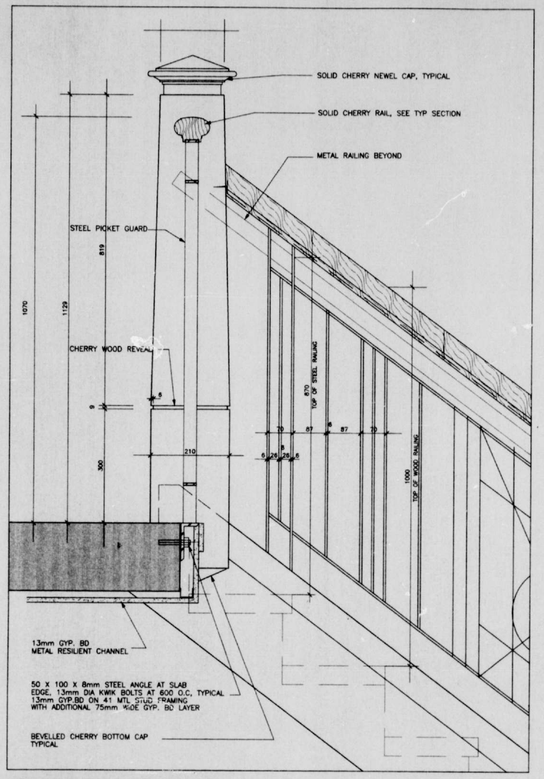
revision no.



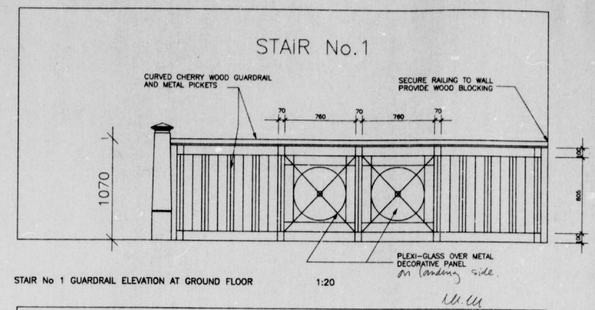

SOLID CHERRY RAIL SECTION, TYPICAL 1:1



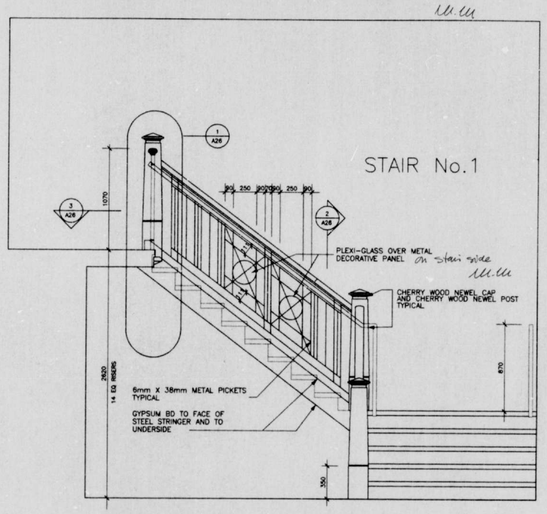

SOLID CHERRY NEWEL CAP ELEVATION, TYPICAL 1:1



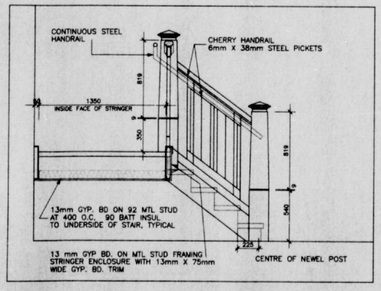

2/A26 SECTION DETAIL ● NEWEL POST, TYPICAL 1:10



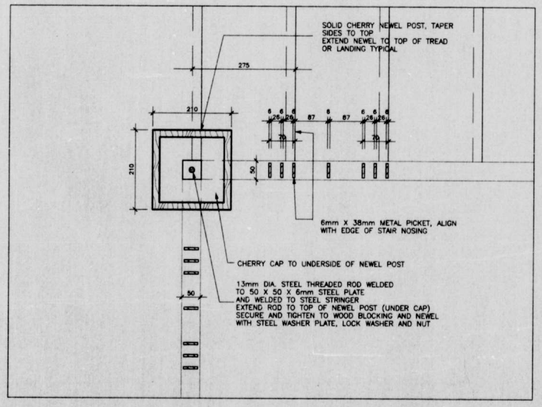

STAIR No 1 GUARDRAIL ELEVATION AT GROUND FLOOR 1:20



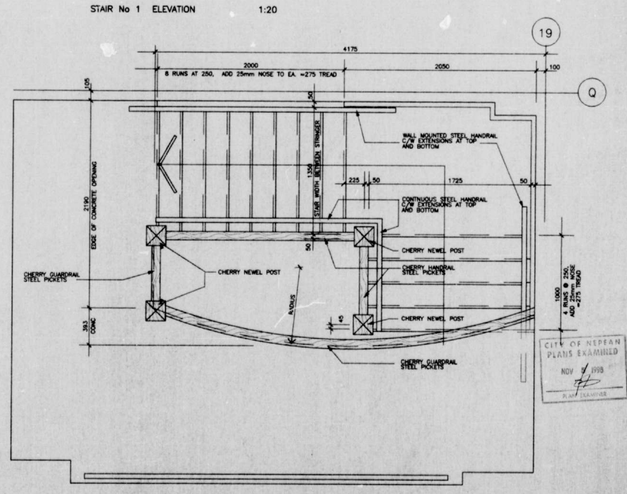

STAIR No 1 ELEVATION 1:20




2/A26 SECTION DETAIL ● STAIR PARTIAL ELEV 1:20




3/A26 PLAN DETAIL ● NEWEL POST, TYPICAL 1:10




STAIR No 1 PLAN 1:20

CITY OF NEPEAN PLANS EXAMINED NOV 1 1998

| no. | date | revision |
|---|---|---|
| 1 | 98/10/13 | ISSUED FOR TENDER |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

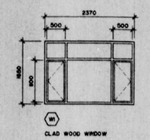
drawing title
STAIR No-1 DETAILS

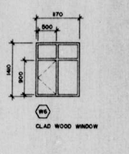
| drawn | date | scale |
|---|---|---|
| MM | JULY 1998 | SHOWN |

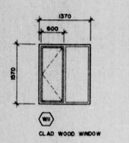
project 2397

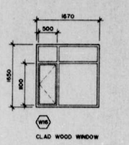
drawing no. A26

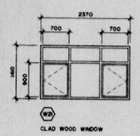
revision no.

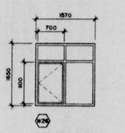


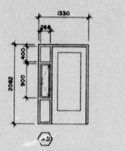



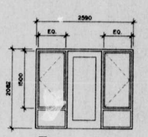



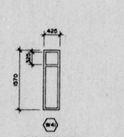



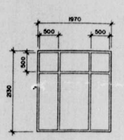



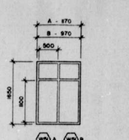



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WINDOW STOPS EACH SIDE
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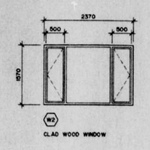
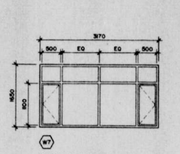
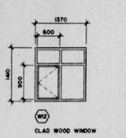
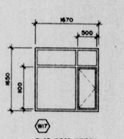
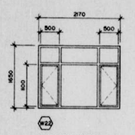
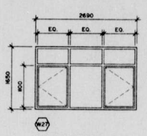


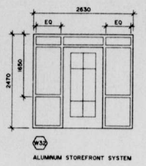



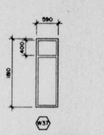



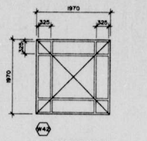



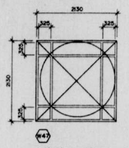



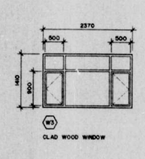



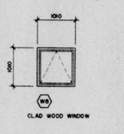



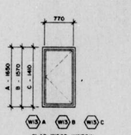



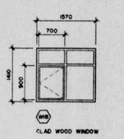



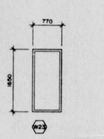



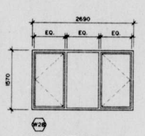



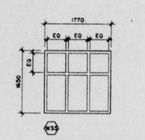



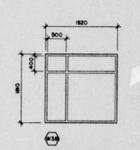



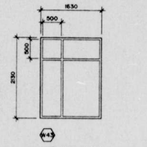



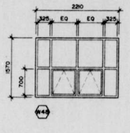



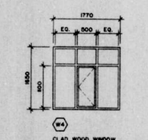



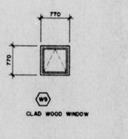



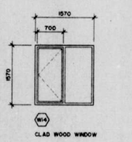



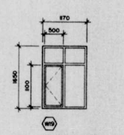



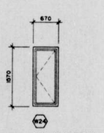



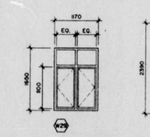



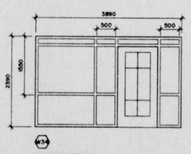



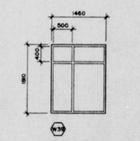



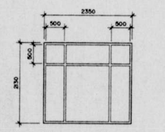



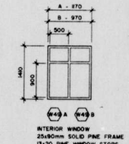



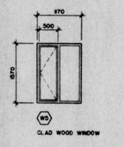



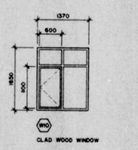



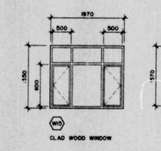



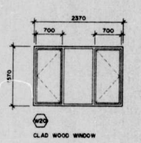



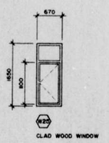
INTERIOR WINDOW
25x90mm SOLID PINE FRAME
13x20 PINE WINDOW STOPS
WINDOW STOPS EACH SIDE
SINGLE PANE
6mil TEMPERED GLASS

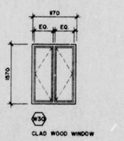


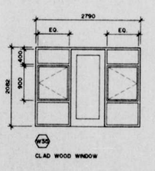



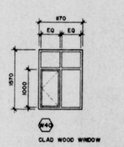



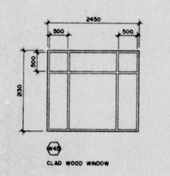



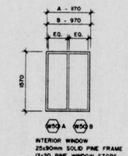



INTERIOR WINDOW
25x90mm SOLID PINE FRAME
13x20 PINE WINDOW STOPS
WINDOW STOPS EACH SIDE
SINGLE PANE
6mil TEMPERED GLASS

CITY OF NEPEAN
PLANS EXAMINED
NOV 1998

| no. | date | revision |
|---|---|---|
| 3 | 98-10-13 | ISSUED for TENDER |
| 2 | 23 SEP 98 | ISSUED for PERMIT and STRUCTURAL / MS SERVICES TENDER |
| 1 | 04 SEP 98 | ISSUED for 30% REVIEW |

It is the responsibility of the appropriate contractor to check and verify all dimensions on site and report all errors and/or omissions to the architect.

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Do not scale drawings.

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Email: mail@hobinarc.com

project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

drawing title
**WINDOW SCHEDULE**

| drawn | date | scale |
|---|---|---|
| JH | SEPT 1998 | 1:50 |

project 2367

drawing no. **A27**

revision no.

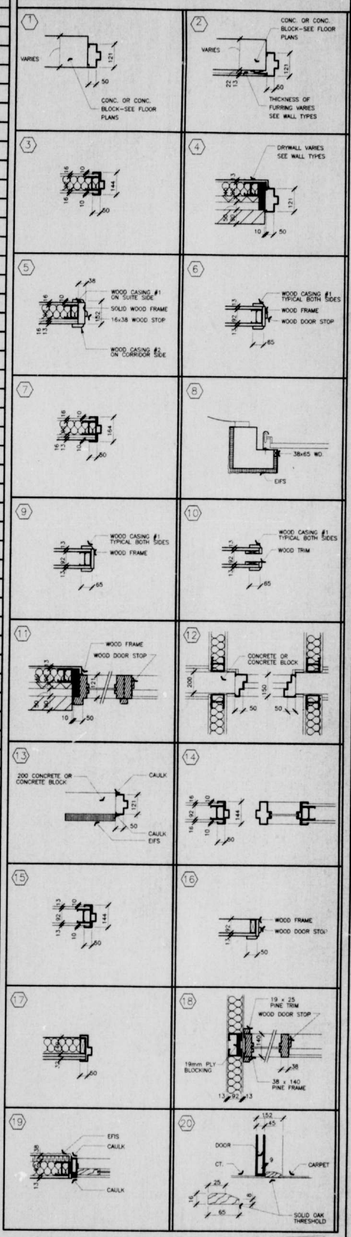
## DOOR SCHEDULE

| NO. | ROOM | SIZE | MATERIALS | STY | FINISH | F.R. | FRAME | TYP. | FINISH | F.R. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N/S101-401 | PEAK | 914 X 2032 X 45 | SOLID CORE WOOD | A | PAINT | 20 min. | WOOD | 5 | PAINT | 20 min. | CLOSER – UNDERCUT DOOR SEE DOOR JAMB 20 FOR THRESHOLD DETAIL |
| N/S102-402 | SUMMIT | | | | | | | | | | |
| N/S103-403 | HORIZON | | | | | | | | | | |
| N/S104-404 | HORIZON | | | | | | | | | | |
| N/S105-405 | SUMMIT | | | | | | | | | | |
| N/S106-406 | CREST | | | | | | | | | | |
| N/S207-407 | PEAK | | | | | | | | | | |
| N/S208-408 | HORIZON | | | | | | | | | | |
| N/S209-409 | HORIZON | | | | | | | | | | |
| N107 | RESERVED | | | | | | | | | | |
| N108 | LOCKERS/ BICYCLES | 1066 X 2133 X 45 | HOLLOW METAL | D | PAINT | 1.5 Hr | PRESSED STEEL | 1 | PAINT | 1.5 Hr | CLOSER, |
| N/S109 | GARBAGE | 2-1200 X 2133 X 45 | HOLLOW METAL | B | PAINT | 1.5 Hr | PRESSED STEEL | 1 | PAINT | 1.5 Hr | CLOSER, ASTRAGEL |
| S110 | SHOP | 2-914 X 2133 X 45 | HOLLOW METAL | B | PAINT | 1.5 Hr | PRESSED STEEL | 1 | PAINT | 1.5 Hr | CLOSER |
| N/S111 | VEST. 2 | 914 X 2032 X 45 | HOLLOW METAL | W | PAINT | 1.5 Hr | PRESSED STEEL | 1 | PAINT | 1.5 Hr | CLOSER, POWER ASSIST |
| N/S112 | ELEVATOR MACHINE | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 1 | PAINT | 3/4Hr | CLOSER |
| N/S113 | JANITOR | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 2 | PAINT | 3/4Hr | CLOSER |
| N/S114 | GARBAGE/ RECYCLE | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 2 | PAINT | 3/4Hr | CLOSER |
| N115 | STORAGE/ LOCKERS | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 2 | PAINT | 3/4Hr | CLOSER |
| N/S116 | STORAGE/ LOCKERS | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | 1.5 Hr | PRESSED STEEL | 2 | PAINT | 1.5 Hr | CLOSER |
| N/S117 | STORAGE/ LOCKERS | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 2 | PAINT | 3/4Hr | CLOSER S117 - 16mm door & frame |
| N118 | ELECT. RM. | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 1 | PAINT | 3/4Hr | CLOSER |
| N/S119 | CORRIDOR A | 1066 X 2133 X 45 | HOLLOW METAL | K | PAINT | 3/4Hr | PRESSED STEEL | 14 | PAINT | 3/4Hr | CLOSER, PANIC, HOLD OPEN |
| N/S120 | LOBBY | 914 X 2133 X 45 | HOLLOW METAL | N | PAINT | – | PRESSED STEEL | 3 | PAINT | – | CLOSER, PUSH/PULL |
| N/S121 | VEST 1 | 1066 X 2133 X 45 | WOOD | G | STAINED | – | PRE-FINISHED ALUMINUM | – | ANODIZED | – | CLOSER, PANIC, POWER ASSIT. SEE WINDOW SCHEDULE FOR FRAME |
| N/S122X | VEST. EXT. | 1066 X 2133 X 45 | WOOD | G | STAINED | – | PRE-FINISHED ALUMINUM | – | ANODIZED | – | CLOSER, PANIC, POWER ASSIT. SEE WINDOW SCHEDULE FOR FRAME |
| N/S123-323 | ELECT. | 2-914 X 2032 X 45 | HOLLOW METAL | Q | PAINT | 3/4Hr | PRESSED STEEL | 15 | PAINT | 3/4Hr | FLUSH BOLTS CLOSER |
| N/S124-424 | GAS | 2-914 X 2032 X 45 | HOLLOW METAL | Q | PAINT | 3/4Hr | PRESSED STEEL | 3 | PAINT | 3/4Hr | FLUSH BOLTS, CLOSER |
| N/S125-425 | STAIR No.3 | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 3 | PAINT | 3/4Hr | CLOSER |
| N/S126-426 | CORRIDOR A | 2-914 X 2032 X 45 | HOLLOW METAL | B | PAINT | 1.5 Hr | PRESSED STEEL | 12 | PAINT | 1.5 Hr | HOLD OPEN, CLOSER Entry Side Door Panic Push |
| N/S127X | STAIR No.3 EXTERIOR | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | – | PRESSED STEEL | 4 | PAINT | – | CLOSER, INSULATE, ALUM THRESHOLD WEATHERSTRIP, PANIC |
| N/S210 | CORRIDOR-A | 914 X 2133 X 45 | HOLLOW METAL | R | PAINT | 3/4Hr | PRESSED STEEL | 3 | PAINT | 3/4Hr | CLOSER |
| N/S211 | CORRIDOR-B | 914 X 2133 X 45 | HOLLOW METAL | R | PAINT | 3/4Hr | PRESSED STEEL | 3 | PAINT | 3/4Hr | CLOSER, PANIC |
| N/S212-412 | STAIR No.2 | 914 X 2133 X 45 | HOLLOW METAL | R | PAINT | 3/4Hr | PRESSED STEEL | 3 | PAINT | 3/4Hr | CLOSER, PANIC |
| N/S213-413 | JANITOR | 914 X 2133 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 3 | PAINT | 3/4Hr | CLOSER |
| N/S314-414 | LOUNGE | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 3 | PAINT | 3/4Hr | CLOSER |
| N/S315-415 | W/C | 864 X 2032 X 45 | HOLLOW METAL | D | PAINT | – | PRESSED STEEL | 3 | PAINT | – | – |
| N/S416 | RESERVED | – | – | – | – | – | – | – | – | – | – |
| N/S417 | RESERVED | – | – | – | – | – | – | – | – | – | – |
| N/S418 | ATTIC | 864 X 2032 X 45 | HOLLOW METAL | D | PAINT | – | WOOD | 16 | PAINT | – | |
| | | | | | | | | | | | |
| C01X | GARAGE EXT. | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | – | PRESSED STEEL | 13 | PAINT | – | CLOSER, INSULATE, ALUM THRESHOLD WEATHERSTRIP, PANIC |
| C02 | MECHANICAL | 2-914 X 2133 X 45 | HOLLOW METAL | B | PAINT | 1.5 Hr | PRESSED STEEL | 1 | PAINT | 1.5 Hr | CLOSER |
| C03X | STAIR No.4 EXT. | 914 X 2032 X 45 | HOLLOW METAL | D | PAINT | – | PRESSED STEEL | 13 | PAINT | – | CLOSER, INSULATE, ALUM THRESHOLD WEATHERSTRIP, PANIC |
| C04X | OVER HEAD | 6000 X 2133 X 45 | WOOD | C | PAINT | – | WOOD | 8 | PAINT | – | HEAVY DUTY LOW CLEARANCE HARDWARE REMOTE CONTROL POWER OPERATED FROM INSIDE AND OUTSIDE |

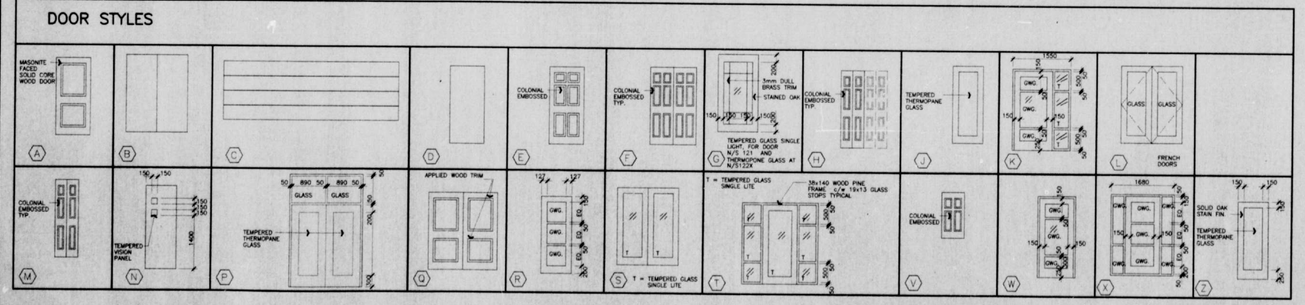
## DOOR SCHEDULE

| NO. | ROOM | SIZE | MATERIALS | STY | FINISH | F.R. | FRAME | TYP. | FINISH | F.R. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C20 | LIBRARY | 2-914 X 2133 X 45 | SOLID CORE WOOD | S | PAINT | – | PRESSED STEEL | 15 | PAINT | – | |
| C21 | COMMON ROOM | 914 X 2133 X 45 | SOLID CORE WOOD | T | PAINT | – | WOOD | 18 | PAINT | – | PUSH/PULL, CLOSER |
| C22 | KITCHEN | 914 X 2133 X 45 | SOLID CORE WOOD | J | PAINT | – | PRESSED STEEL | 15 | PAINT | – | |
| C23 | STAIR No.4 | 914 X 2133 X 45 | HOLLOW CORE METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 3 | PAINT | 3/4Hr | CLOSER – PANIC |
| C24 | W.C.-1 | 864 X 2133 X 45 | SOLID CORE WOOD | D | PAINT | – | PRESSED STEEL | 15 | PAINT | – | PRIVACY SET |
| C25 | W.C.-2 | 864 X 2133 X 45 | SOLID CORE WOOD | D | PAINT | – | PRESSED STEEL | 15 | PAINT | – | PRIVACY SET |
| C26 | STORAGE 5 | 914 X 2133 X 45 | SOLID CORE WOOD | D | PAINT | – | PRESSED STEEL | 15 | PAINT | – | |
| C27 | OFFICE | 914 X 2133 X 45 | SOLID CORE WOOD | D | PAINT | – | PRESSED STEEL | 15 | PAINT | – | |
| C28 | FITNESS | 914 X 2133 X 45 | SOLID CORE WOOD | J | PAINT | – | PRESSED STEEL | 15 | PAINT | – | PUSH/PULL, CLOSER |
| C29 | STORAGE 3 | 914 X 2133 X 45 | SOLID CORE WOOD | D | PAINT | – | PRESSED STEEL | 15 | PAINT | – | |
| C30 | STORAGE 2 | 2-812 X 2133 X 45 | SOLID CORE WOOD | B | PAINT | – | PRESSED STEEL | 15 | PAINT | – | DUMMY SET |
| C31 | STORAGE 1 | 2-764 X 2133 X 45 | SOLID CORE WOOD | B | PAINT | – | PRESSED STEEL | 15 | PAINT | – | DUMMY SET |
| C32 | STORAGE 1 | 2-764 X 2133 X 45 | SOLID CORE WOOD | B | PAINT | – | PRESSED STEEL | 15 | PAINT | – | DUMMY SET |
| C33 | CRAFTS/ HOBBY | 914 X 2133 X 45 | SOLID CORE WOOD | J | PAINT | – | PRESSED STEEL | 15 | PAINT | – | PUSH/PULL, CLOSER |
| C34 | LAUNDRY | 914 X 2133 X 45 | SOLID CORE WOOD | J | PAINT | – | PRESSED STEEL | 15 | PAINT | – | |
| C35X | TERRACE EXT. | 914 X 2133 X 45 | WOOD | Z | – | – | ALUM. | 19 | – | – | MAG LOCK, INSULATED, WEATHERSTRIP PANIC SET |
| C36X | STORAGE 4 | 914 X 2133 X 45 | PRESSED STEEL | D | PAINT | – | PRESSED STEEL | 4 | PAINT | – | CLOSER, INSULATE, ALUM THRESHOLD WEATHERSTRIP |
| C37X | TERRACE EXT. | 914 X 2133 X 45 | WOOD | Z | – | – | WOOD CLAD | 19 | – | – | MAG LOCK, INSULATED, WEATHERSTRIP PANIC SET |
| C38X | TERRACE EXT. | 2-914 X 2133 X 45 | INSULATED METAL | P | – | – | WOOD CLAD | 11SIM | – | – | PRE-HUNG,FLUSH BOLT, INSULATED |
| C39X | TERRACE EXT. | 2-914 X 2133 X 45 | INSULATED METAL | P | – | – | WOOD CLAD | 11SIM | – | – | PRE-HUNG,FLUSH BOLT, INSULATED |
| C40 | MECHANICAL ROOM | 914 X 2133 X 45 | HOLLOW METAL | D | PAINT | 3/4Hr | PRESSED STEEL | 3 | PAINT | 3/4Hr | CLOSER, SOUND SEAL, INSULATED |
| C41 | COORIDOR-C | 2-914 X 2133 X 45 | HOLLOW METAL | X | PAINT | 3/4Hr | PRESSED STEEL | 14SIM | PAINT | 3/4Hr | |
| C42 | CORRIDOR-C | 2-914 X 2133 X 45 | HOLLOW METAL | X | PAINT | 3/4Hr | PRESSED STEEL | 14SIM | PAINT | 3/4Hr | |
| C43 | STORAGE 2 | 2-600 X 2133 X 45 | SOLID CORE WOOD | B | PAINT | – | PRESSED STEEL | 15 | PAINT | – | DUMMY SET |
| | | | | | | | | | | | |
| A | STORAGE | 914 X 2032 X 38 | HOLLOW CORE MASONITE | E | PAINT | – | WOOD | 6 | PAINT | – | |
| B | CLOSET | 2-400 X 2032 X 38 | HOLLOW CORE MASONITE | F | PAINT | – | WOOD | 6 | PAINT | – | SLIDING CLOSET DOOR |
| C | BEDROOM | 864 X 2032 X 38 | HOLLOW CORE MASONITE | E | PAINT | – | WOOD | 6 | PAINT | – | |
| D | BATHROOM | 812 X 2032 X 38 | HOLLOW CORE MASONITE | E | PAINT | – | WOOD | 6 | PAINT | – | PRIVACY SET |
| E | WALKIN-CLOSET | 914 X 2032 X 38 | HOLLOW CORE MASONITE | M | PAINT | – | WOOD | 9 | PAINT | – | BIFOLD |
| F | BEDROOM | 914 X 2032 X 38 | HOLLOW CORE MASONITE | E | PAINT | – | WOOD | 10 | PAINT | – | POCKET |
| G | DEN | 2-600 X 2032 X 38 | HOLLOW CORE MASONITE | L | PAINT | – | WOOD | 6 | PAINT | – | |
| H | LINEN | 2-300 X 2032 X 38 | HOLLOW CORE MASONITE | M | PAINT | – | WOOD | 6 | PAINT | – | |
| J | PATIO | 1500 X 2032-SLID. | WOOD CLAD | – | PAINT | – | WOOD | – | PAINT | – | EXTERIOR SLIDING PATIO DOOR |
| K | PATIO | 1800 X 2032-SLID. | WOOD CLAD | – | PAINT | – | WOOD | – | PAINT | – | EXTERIOR SLIDING PATIO DOOR |
| L | SOLARIUM | 2-812X 2032 X 38 | HOLLOW CORE MASONITE | L | PAINT | – | WOOD | 9 | PAINT | – | |
| M | CLOSET | 1200 X 2032 X 38 | HOLLOW CORE MASONITE | H | PAINT | – | WOOD | 9 | PAINT | – | BI-FOLD |
| N | CLOSET | 2-600 X 2032 X 38 | HOLLOW CORE MASONITE | F | PAINT | – | WOOD | 6 | PAINT | – | |
| P | WALKIN-CLOSET | 864 X 2032 X 38 | HOLLOW CORE MASONITE | E | PAINT | – | WOOD | 6 | PAINT | – | |
| Q | BATHROOM | 812 X 2032 X 38 | HOLLOW CORE MASONITE | E | PAINT | – | WOOD | 10 | PAINT | – | POCKET, PRIVACY SET |
| R | CLOSET | 2-750 X 2032 X 38 | HOLLOW CORE MASONITE | F | PAINT | – | WOOD | 9 | PAINT | – | |
| T | LAUNDRY-CREST | 2-712 X 2032 X 38 | HOLLOW CORE MASONITE | F | PAINT | – | WOOD | 9 | PAINT | – | SLIDING CLOSET DOOR |
| V | LINEN | 500 X 2032 X 38 | HOLLOW CORE MASONITE | E | PAINT | – | WOOD | 6 | PAINT | – | |
| W | SOLARIUM EXT. | 914 X 2032 X 45 | INSUL. MTL. | J | – | – | WOOD CLAD | 11 | – | – | SEE WINDOW SCHEDULE FOR SIDELIGHT |
| X | FURNACE ACCESS | 600 X 1200 X 38 | HOLLOW CORE MASONITE | V | PAINT | – | WOOD | 6 | PAINT | – | |
| Y | CLOSET | 2-450 X 2032 X 38 | HOLLOW CORE MASONITE | F | PAINT | – | WOOD | 9 | PAINT | – | SLIDING CLOSET DOOR |
| Z | STORAGE | 2-914 X 2032 X 38 | HOLLOW CORE MASONITE | F | PAINT | – | WOOD | 9 | PAINT | – | SLIDING CLOSET DOOR |

## DOOR JAMBS




## DOOR STYLES




| | | |
|---|---|---|
| 4 | 98 10 13 | ISSUED FOR TENDER |
| 3 | 98 09 23 | BLDG PERMIT/STRUCT/SITE SERV |
| 2 | 98 09 03 | ISSUED 30 % REVIEW |
| 1 | 98 09 02 | ISSUED SITE PLAN CONTROL |
| NO. | date | revision |

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project
**MERIDIAN At CENTREPOINTE**
Nepean, Ontario

drawing title
**DOOR SCHEDULE**

| drawn | date | scale |
|---|---|---|
| mJW | SEPT 1998 | 1:100 |
| | | project 2397 |
| | | drawing no. A28 |
| | | revision no. |

CITY OF NEPEAN PLANS EXAMINED NOV 9 1998

## FINISH SCHEDULE

| NO. | NAME | FLOORS BASE | FLOORS MATERIAL | FLOORS FINISH | WALLS MATERIAL | WALLS FINISH | CEILINGS MATERIAL | CEILINGS FINISH | Ht. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| N101–N01 S101–S01 | PEAK | | | | | | | | | |
| | ENTRY | | | | | | | | 2133 | |
| | STOR. 1 | | | | | | | | | |
| | STOR. 2 | | | | | | | | 2133 | |
| | LIVING/DINNING | | | | | | | | | |
| | KITCHEN | | | | | | | | | |
| | CORRIDOR | | | | | | | | 2133 | |
| | BATH | | | | | | | | 2133 | |
| | MASTER BED | | | | | | | | | |
| | MASTER BATH | | | | | | | | 2133 | |
| | W.I.C. | | | | | | | | 2133 | |
| | BEDROOM | | | | | | | | | |
| N401 S401 | PEAK | SAME AS ABOVE, EXCEPT ALL CEILINGS – PAINTED DRYWALL. | | | | | | | | |
| N102–N02 S102–S02 | SUMMIT 2 | | | | | | | | | |
| | ENTRY | | | | | | | | 2133 | |
| | STORAGE | | | | | | | | | |
| | CORRIDOR | | | | | | | | 2133 | |
| | BATH | | | | | | | | 2133 | |
| | BEDROOM | | | | | | | | | |
| | LIVING/DINNING | | | | | | | | | |
| | HALLWAY | | | | | | | | 2133 | |
| | KITCHEN | | | | | | | | | |
| | DEN | | | | | | | | | |
| | MASTER BED | | | | | | | | | |
| | W.I.C. | | | | | | | | 2133 | |
| | MASTER BATH | | | | | | | | 2133 | |
| N402 S402 | SUMMIT 2 | SAME AS ABOVE, EXCEPT ALL CEILINGS – PAINTED DRYWALL. | | | | | | | | |
| N103–N03 N104–N04 | HORIZON | | | | | | | | | |
| S103–S104–S03 S04 | | | | | | | | | | |
| | ENTRY | | | | | | | | 2133 | |
| | STORAGE | | | | | | | | | |
| | MASTER BED | | | | | | | | | |
| | MASTER BATH | | | | | | | | 2133 | |
| | LIVING/DINNING | | | | | | | | | |
| | KITCHEN | | | | | | | | | |
| | HALLWAY | | | | | | | | | |
| | BATH | | | | | | | | 2133 | |
| | BEDROOM | | | | | | | | | |
| N403 & N404 S403 & S404 | HORIZON | SAME AS ABOVE, EXCEPT ALL CEILINGS – PAINTED DRYWALL. | | | | | | | | |
| N105–N05 S105–S05 | SUMMIT 1 | | | | | | | | | |
| | ENTRY | | | | | | | | 2133 | |
| | STORAGE | | | | | | | | | |
| | CORRIDOR | | | | | | | | 2133 | |
| | BATH | | | | | | | | 2133 | |
| | BEDROOM | | | | | | | | | |
| | LIVING/DINNING | | | | | | | | | |
| | HALLWAY | | | | | | | | | |
| | KITCHEN | | | | | | | | 2133 | |
| | SOLARIUM | | | | | | | | | |
| | DEN | | | | | | | | | |
| | MASTER BED | | | | | | | | | |
| | W.I.C. | | | | | | | | 2133 | |
| | MASTER BATH | | | | | | | | 2133 | |
| N405 S405 | SUMMIT 1 | SAME AS ABOVE, EXCEPT ALL CEILINGS – PAINTED DRYWALL. | | | | | | | | |

## FINISH SCHEDULE

| NO. | NAME | FLOORS BASE | FLOORS MATERIAL | FLOORS FINISH | WALLS MATERIAL | WALLS FINISH | CEILINGS MATERIAL | CEILINGS FINISH | Ht.Ht. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| N106–N06 S106–S06 | CREST | | | | | | | | | |
| | ENTRY | | | | | | | | 2133 | |
| | STOR. 1 | | | | | | | | | |
| | KITCHEN | | | | | | | | | |
| | LIVING/DINNING | | | | | | | | | |
| | DEN/BEDROOM | | | | | | | | | |
| | SOLARIUM | | | | | | | | | |
| | STOR. 2 | | | | | | | | 2133 | |
| | BATH | | | | | | | | 2133 | |
| | HALLWAY | | | | | | | | 2133 | |
| | MASTER BED | | | | | | | | | |
| | W.I.C. | | | | | | | | | |
| N406 S406 | CREST | SAME AS ABOVE, EXCEPT ALL CEILINGS – PAINTED DRYWALL. | | | | | | | | |
| N207–N07 S107–S07 | PEAK | | | | | | | | | |
| | ENTRY | | | | | | | | 2133 | |
| | STOR. 1 | | | | | | | | | |
| | STOR. 2 | | | | | | | | 2133 | |
| | CORRIDOR | | | | | | | | 2133 | |
| | BATH | | | | | | | | 2133 | |
| | MASTER BED | | | | | | | | | |
| | MASTER BATH | | | | | | | | 2133 | |
| | W.I.C. | | | | | | | | 2133 | |
| | BEDROOM | | | | | | | | | |
| | LIVING/DINNING | | | | | | | | | |
| | KITCHEN | | | | | | | | | |
| N407 S407 | PEAK | SAME AS ABOVE, EXCEPT ALL CEILINGS – PAINTED DRYWALL. | | | | | | | | |
| N208–N08 S108–S08 N209–N09 S109–S09 | HORIZON | | | | | | | | | |
| | ENTRY | | | | | | | | 2133 | |
| | STORAGE | | | | | | | | | |
| | MASTER BED | | | | | | | | | |
| | MASTER BATH | | | | | | | | 2133 | |
| | LIVING/DINNING | | | | | | | | | |
| | SOLARIUM | | | | | | | | | |
| | KITCHEN | | | | | | | | | |
| | HALLWAY | | | | | | | | | |
| | BATH | | | | | | | | 2133 | |
| | BEDROOM | | | | | | | | | |
| N408 & N409 S408 & S409 | HORIZON | SAME AS ABOVE, EXCEPT ALL CEILINGS – PAINTED DRYWALL. | | | | | | | | |

### COMMON AND SERVICE SPACES

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | VESTIBULE No. 1 | | | | | | | | | NORTH AND SOUTH BLOCKS |
| | LOBBY | | | | | | | | | NORTH AND SOUTH BLOCKS |
| | VESTIBULE | | | | | | | | | NORTH AND SOUTH BLOCKS |
| | ELEVATOR LOBBY | | | | | | | | 2240 | EXTEND FLOORING INTO ELEVATOR |
| | CORRIDOR A | | | | | | | | 2240 | EXTEND FLOORING INTO ELEVATOR |
| | JANITOR | | | | | | | | 2240 | NORTH AND SOUTH BLOCKS |
| | ELECTRICAL | | | | | | | | | NORTH AND SOUTH BLOCKS |
| | GAS | | | | | | | | | NORTH AND SOUTH BLOCKS |
| | STAIR No.3 | | | | | | | | | SPRAYED TEXTURE FINISH DRYWALL CEILING @ 3rd FLOOR |
| | BICYCLE STORAGE | | | | | | | | | |
| | STORAGE LOCKERS A | | | | | | | | | NORTH AND SOUTH BLOCKS |
| | GARBAGE/ RECYCLING | | | | | | | | | NORTH AND SOUTH BLOCKS |
| | ELECTRICAL | | | | | | | | | NORTH AND SOUTH BLOCKS |
| | ELEVATOR MACHINE | | | | | | | | | |
| | PARKING GARAGE | | | | | | | | | |
| | STORAGE LOCKERS B | | | | | | | | | |
| | SHOP | | | | | | | | | |
| | MECHANICAL | | | | | | | | | |
| | STAIR No.4 | | | | | | | | | PAINTED w/s OF STEEL STAIR |
| | CORRIDOR B NORTH | | | | | | | | 2240 | |
| | CORRIDOR B SOUTH | | | | | | | | 2240 | |

## FINISH SCHEDULE

| NO. | NAME | FLOORS BASE | FLOORS MATERIAL | FLOORS FINISH | WALLS MATERIAL | WALLS FINISH | CEILINGS MATERIAL | CEILINGS FINISH | Ht. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| | COMMON AND SERVICE SPACES | | | | | | | | | |
| | CORRIDOR C | | | | | | | | 2650 | |
| | LAUNDRY | | | | | | | | 2650 | |
| | CRAFT/ HOBBY | | | | | | | | | BULKHEAD @ 2800 |
| | STORAGE 1 | | | | | | | | 2650 | |
| | COMMON ROOM | | | | | | | | | BULKHEAD @ 2800 |
| | STORAGE 2 | | | | | | | | 2650 | |
| | FITNESS | | | | | | | | | BULKHEAD @ 2800 |
| | KITCHEN | | | | | | | | 2650 | |
| | STORAGE 3 | | | | | | | | 2650 | |
| | STORAGE 4 | | | | | | | | 2650 | |
| | OFFICE | | | | | | | | | |
| | STORAGE 5 | | | | | | | | | |
| | WC. 1 | | | | | | | | 2650 | PLYWOOD BACKING FOR GRAB BARS |
| | LIBRARY | | | | | | | | 2650 | |
| | WC. 2 | | | | | | | | 2650 | PLYWOOD BACKING FOR GRAB BARS |
| | MECHANICAL 2 | | | | | | | | | |
| | MECHANICAL 3 | | | | | | | | | |
| | LOUNGE 1, 2 & 3 | | | | | | | | | |
| | LOUNGE WC 1, 2 & 3 | | | | | | | | 2133 | DRYWALL CEILING AT 3rd FLOOR |
| | GUEST SUITE | | | | | | | | | |
| | GUEST SUITE BATH | | | | | | | | 2133 | |
| | STAIR No. 1 | | | | | | | | | NORTH AND SOUTH BLOCKS |
| | STAIR No. 2 | | | | | | | | | NORTH AND SOUTH BLOCKS DRYWALL CEILING AT 3rd FLOOR WITH ACCESS PANEL TO THE ROOF |
| | GARBAGE | | | | | | | | 2240 | |

### GENERAL NOTES:

1. LATCH FLOOR PLANS FOR BULKHEADS ARE SHOWN AS DASHED DETAILS.
2. LINEN AND CLOTHING CLOSETS TO BE SUPPLIED WITH 5 SHELVES EACH FROM LINEN 1'0"X 3 SHELVES CLOSETS 1'0"X ROD @ 2 SHELVES
3. SQUARE ASPHALTE ALL STOR. WALL PARTITIONS AT ALL BATHROOMS, WASHROOMS, LAUNDRY ROOMS AND MECHANICAL/ STORAGE ROOMS
4. PROVIDE PLYWOOD BACKUP TO DRYWALL FOR FUTURE GRAB BAR SUPPORT BRIDGE AND BEHIND ENSUITE TOILETS AND AROUND BATH TUBS.
5. ALL 3rd FLOOR CEILINGS ARE PAINTED DRYWALL

CITY OF NEPEAN PLANS EXAMINED NOV 1 1999 BUILDING SERVICES

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|---|---|---|
| 1 | 99 10 13 | ISSUED FOR TENDER |

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Email: mail@hobinarc.com

project
**MERIDIAN**
**At CENTREPOINTE**
Nepean, Ontario

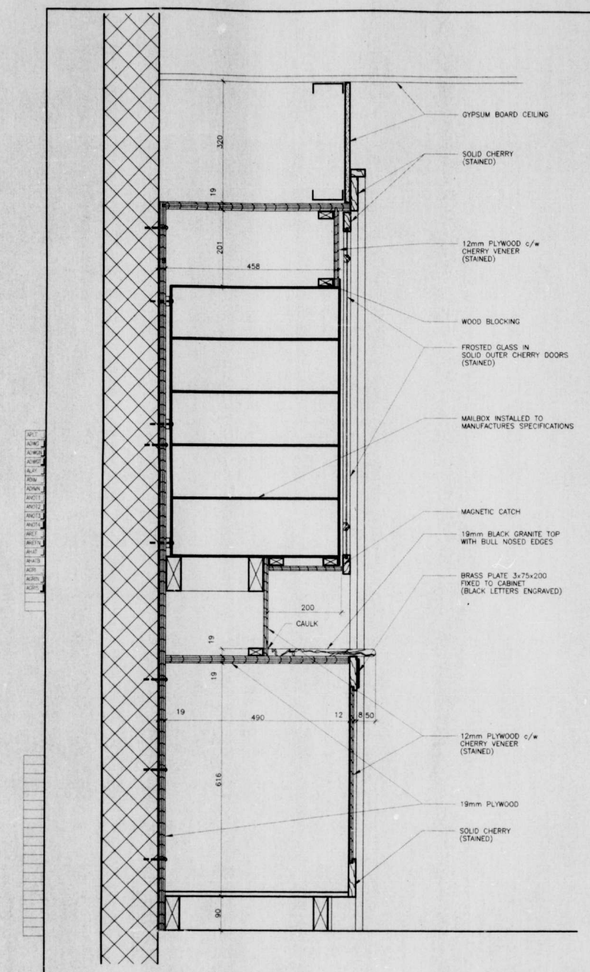
drawing title
**ROOM FINISH SCHEDULE**

| drawn | date | scale |
|---|---|---|
| WJW | SEPT. 1998 | 1:100 |

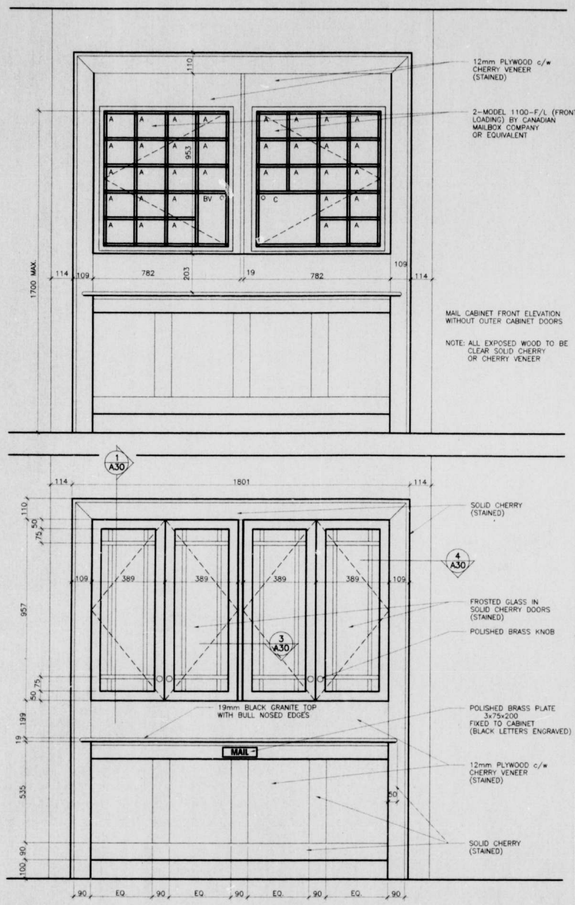
project 9397

drawing no. **A29**

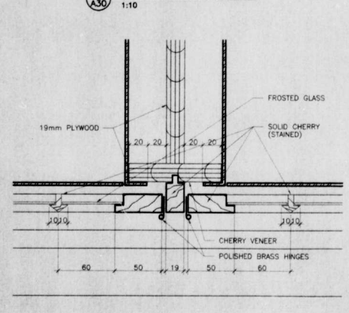
revision no.



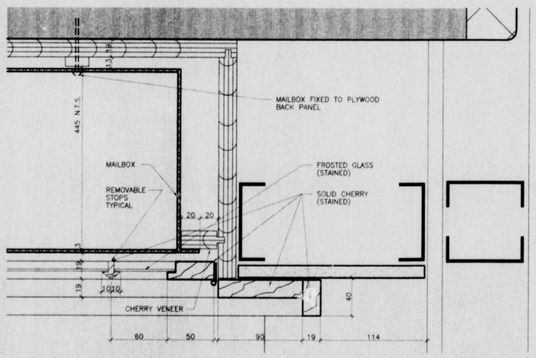

1 A30 MAIL CABINET SECTION 1:10



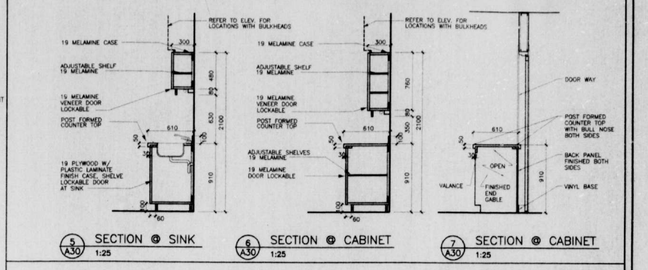

2 A30 MAIL CABINET FRONT ELEVATION 1:10



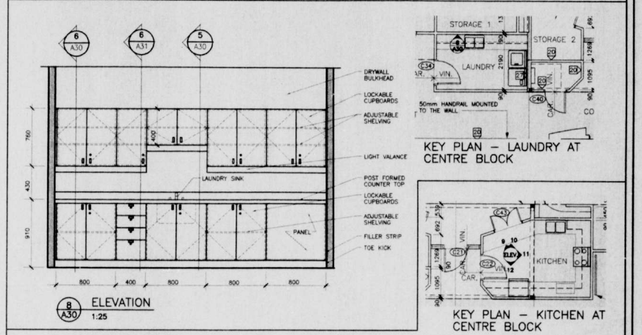

3 A30 MAIL CABINET DETAIL 1:2




4 A30 MAIL CABINET DETAIL 1:2




5 A30 SECTION @ SINK 1:25
6 A30 SECTION @ CABINET 1:25
7 A30 SECTION @ CABINET 1:25



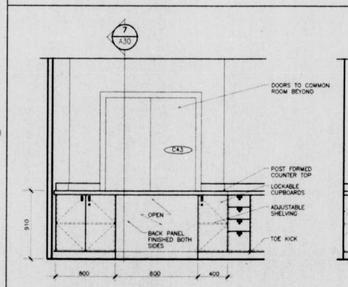

8 A30 ELEVATION 1:25



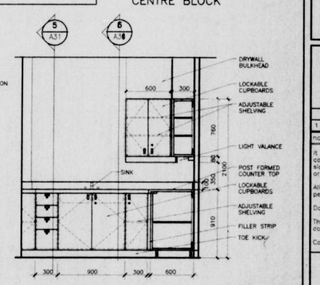

KEY PLAN – LAUNDRY AT CENTRE BLOCK




KEY PLAN – KITCHEN AT CENTRE BLOCK




9 A30 ELEVATION 1:25




10 A30 ELEVATION 1:25

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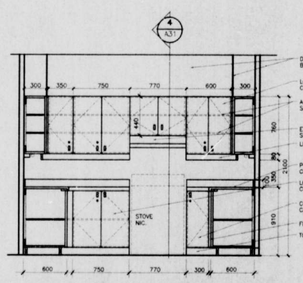
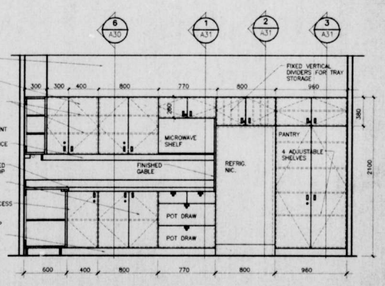



11 A30 ELEVATION 1:25




12 A30 ELEVATION 1:25

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|---|---|---|
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project: MERIDIAN At CENTREPOINTE
Nepean, Ontario

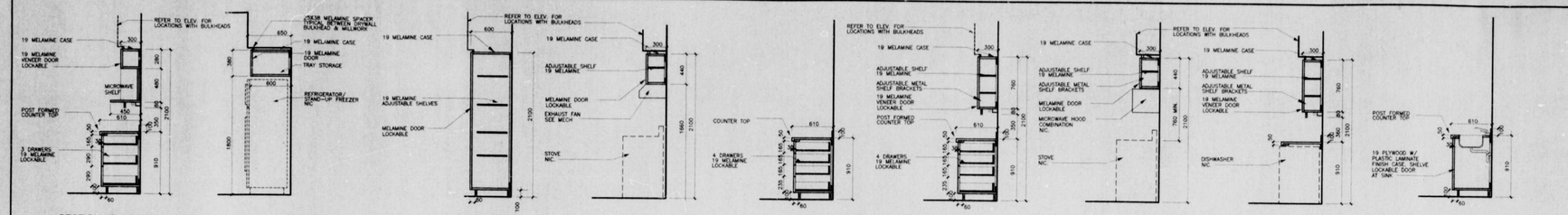
drawing title: MAIL BOX DETAIL AND MILLWORK

| drawn | date | scale |
|---|---|---|
| KJN | SEPT. 1998 | AS NOTED |

project: 2397

drawing no.: A30

revision no.:




1 A31 SECTION @ MICRO-WAVE SHELF 1:25

2 A31 SECTION @ REFRIGER. 1:25

3 A31 SECTION @ PANTRY 1:25

4 A31 SECTION @ STOVE 1:25

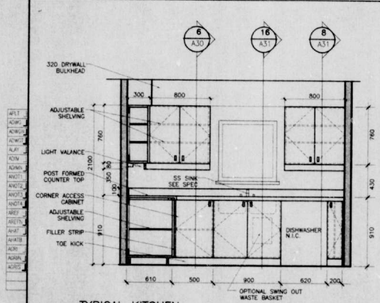
5 A31 SECTION @ DRAWERS 1:25

6 A31 SECTION @ DRAWERS 1:25

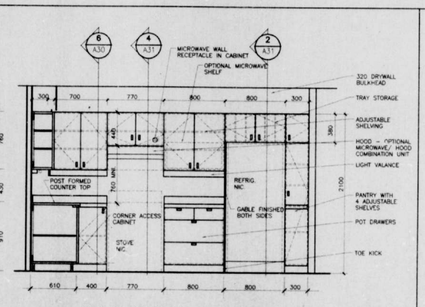
7 A31 SECTION @ MICRO-WAVE/ STOVE 1:25

8 A31 SECTION @ CABINETS 1:25

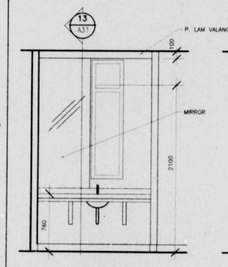
16 A31 SECTION @ SINK 1:25



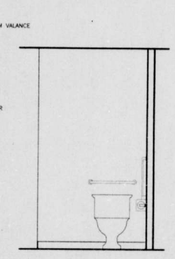

9 A31 TYPICAL KITCHEN ELEVATION 1:25



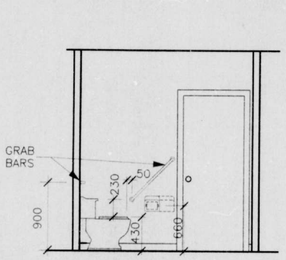

10 A31 TYPICAL KITCHEN ELEVATION 1:25



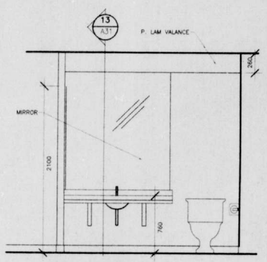

11 A31 CENTRE BLOCK WASHROOM No. 1 1:25



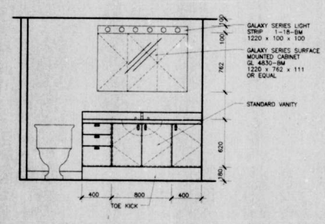
12 A31 CENTRE BLOCK WASHROOM No. 1 1:25



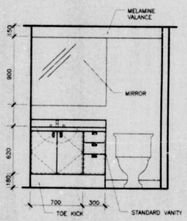

14 A31 CENTRE BLOCK WASHROOM No. 1 1:25



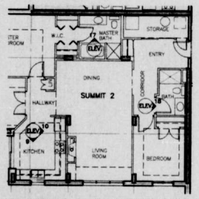

15 A31 CENTRE BLOCK WASHROOM No. 2 1:25




17 A31 MASTER BATH ELEVATION 1:25

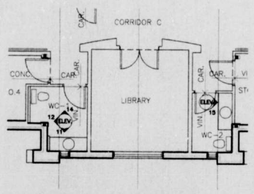



18 A31 TYPICAL BATH ELEVATION 1:25

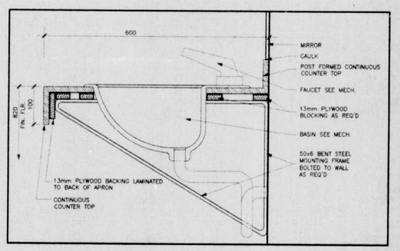



KEY PLAN – SUMMIT 2 NORTH BLOCK, FLOORS 1, 2 & 3 SOUTH BLOCK REVERSED

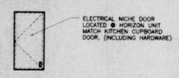
NOTE: ALL OTHER UNITS SIMILAR



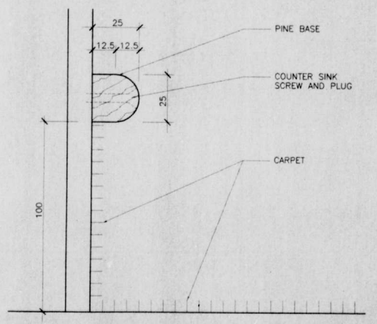

KEY PLAN – CENTRE BLOCK WASHROOM ELEVATIONS



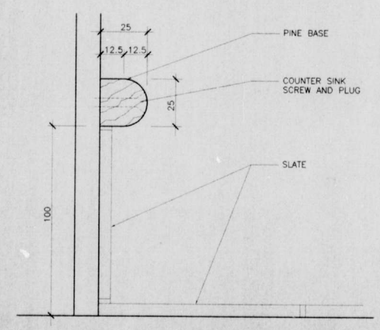

13 A31 TYPICAL DETAIL @ VANITY 1:10




19 A31 HORIZON ELECTRICAL NICHE 1:25




20 A31 WOOD BASE No. 2 1:1 (REFER TO ROOM FINISH SCHEDULE FOR LOCATION)




21 A31 WOOD BASE No. 2 1:1 (REFER TO ROOM FINISH SCHEDULE FOR LOCATION)

CITY OF NEPEAN PLANS EXAMINED NOV 1998 PLAN EXAMINER

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|---|---|---|
| 1 | 98 10 13 | ISSUED FOR TENDER |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
MILLWORK AND SECTIONS

| drawn | date | scale |
|---|---|---|
| MJW | OCT. 1998 | AS NOTED |

project 2397

drawing no. A31

revision no.

## GENERAL NOTES

### 1. CONCRETE

1.2 FOUNDATION

.1 ALL FOOTINGS TO BEAR ON APPROVED NATURAL MATERIAL. OBTAIN WRITTEN REPORT FROM SOIL ENGINEER PRIOR TO PLACING CONCRETE.

.2 ALLOWABLE BEARING CAPACITY USED IN THE FOOTING DESIGN IS BASED ON TABLES 1 & 2 IN FOUNDATION INVESTIGATION REPORT BY GOLDER ASSOC. LTD.

.3 BEARING SURFACE TO BE INSPECTED BY THE SOILS ENGINEER PRIOR TO PLACING CONCRETE.

.4 IF NECESSARY, PROVIDE 50 mm MUD SLAB (10 MPa CONCRETE) OR SOIL'S ENGINEER

.5 FOR PILE AND CAISSON DESIGN SEE SOIL REPORT NO. 971-2171 PREPARED BY GOLDER ASSOCIATES LTD.

.6 SLOPE FOOTINGS WHERE INDICATED ON PLAN AT THE RATE OF 2 HORIZONTAL TO 1 VERTICAL. MAX. SLOPED SURFACE 1.5 m

.7 DO NOT BACKFILL FOUNDATION WALLS UNTIL GROUND FLOOR SLABS ARE IN PLACE AND APPROVAL OF THIS OFFICE.

1.3 SLAB ON GRADE

.1 PROVIDE 1 LAYER OF 152 x 152 MW 18.7 x MW 18.7 WWM AT MID DEPTH OF SLABS ON GRADE.

.2 FOR COMPOSITION AND COMPACTION OF FILL SUPPORTING SLABS ON GRADE SEE SOIL REPORT NOTED ABOVE.

.3 PROVIDE 13 MM ASPHALT IMPREGNATED EXPANSION JOINT FILLER OF POLYETHYLENE BETWEEN SLAB ON GRADE AND FOUNDATION WALLS OR COLUMNS.

.4 SAWCUT SLAB ON GRADE TO 20mm DEEP WITHIN 24 HOURS AFTER POUR. MAX SPACING 5000 mm

1.4 MATERIALS

.1 CONCRETE WORK TO CONFORM WITH CAN/CSA A23.1-M90.

.1 TYPE 10 CEMENT.

.2 20mm NOMINAL SIZE COARSE AGGREGATE

.3 SLUMP 75mm

.4 w/c RATIO 0.5 UNLESS NOTED

1.2 CONCRETE STRENGTH AT 28 DAYS:

| | |
|---|---|
| .1 FOOTING | 25 MPa |
| .2 FOUNDATION WALLS | 25 MPa |
| .3 SHEAR WALLS | 25 MPa |
| .4 COLUMNS | 25 MPa |
| .5 SLABS | |
| SLAB ON GRADE | 25 MPa |
| RAMPS | 32 MPa |
| SUSPENDED FLOORS | 32 MPa |
| PILES/PILE CAPS | 30 MPa |

RAMPS, BALCONIES, RETAINING WALL AND OTHER EXTERIOR WORK TO HAVE 5 TO 8% AIR ENTRAINMENT AND 0.4 WATER/CEMENT RATIO

.3 REINFORCING STEEL TO BE DEFORMED GRADE 400 WITH FY = 400 MPa.

### 1. CONCRETE CONT'D

1.5 TESTING

.1 ONE CONCRETE TEST FOR EACH 75 $m^3$ OF EACH CLASS OF CONCRETE TO BE PLACED

1.6 CONCRETE COVER

| | |
|---|---|
| .1 FOOTINGS | |
| BOTTOM | 75 mm |
| TOP/SIDES | 50 mm |
| .2 BEAMS | 40 mm |
| .3 FOUNDATION WALLS U/N | 40 mm |
| .4 COLUMNS | 40 mm |
| .5 SUSPENDED SLAB U/N | 25 mm |

1.7 REINFORCING STEEL DESIGNATION

8 -20M X 1500 T/B

B = NUMBER OF BARS
20M = SIZE OF BARS
1500 = LENGTH OF BARS IN MM
T = TOP
B = BOTTOM

1.8 DOWELS

DOWELS TO FOOTINGS TO BE OF THE SAME DIAMETER SIZE AS 'HL' LOWEST LIFT OF VERTICAL BARS IN COLUMNS PIERS OR WALLS.

1.9 REINFORCING STEEL SPLICES

.1 REINFORCING STEEL SPLICES TO BE 36 BAR DIAMETERS UNLESS OTHERWISE SPECIFIED ON PLANS.

.2 FABRICATE & PLACE REINFORCING TO CAN 3-A23.1-M90

1.10 SUSPENDED SLABS

.1 AT SLAB OPENINGS DISPLACE REINFORCING TO EACH SIDE. DO NOT CUT BARS.

.2 ALL BOTTOM STEEL IS TO HAVE A MINIMUM EMBEDMENT OF 150 mm AT SUPPORTING WALLS AND BEAMS.

.3 FOR INTERIOR SPANS, PLACE TOP BARS SYMMETRICALLY ABOUT CENTER LINE OF SUPPORT AND PLACE BOTTOM BARS SYMMETRICALLY ABOUT SPAN UNLESS OTHERWISE NOTED.

### 3. MASONRY

.1 STANDARD CONCRETE MASONRY UNITS TO C.S.A. 165.1-M1985.

.2 CONCRETE BLOCK TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 20 MPa UNLESS NOTED OTHERWISE ON PLANS.

.3 MORTAR FOR EXTERIOR MASONRY

.1 LOADBEARING: TYPE S BASED ON PROPERTY SPECIFICATIONS.

.2 NON-LOADBEARING: TYPE N BASED ON PROPORTION SPECIFICATIONS.

.3 PARAPET/UNPROTECTED WALLS : TYPE S BASED ON PROPERTY SPECIFICATIONS.

.4 GROUT 20 MPa MIN.

.4 DO MASONRY AND GROUT WORK IN ACCORDANCE WITH C.S.A. A179-M1976.

.5 BOND: RUNNING STRETCHER

.6 CUT OUT NEATLY FOR ELECTRICAL SWITCHES, OUTLET BOXES, AND OTHER RECESSED OR BUILT-IN OBJECTS.

.7 MASONRY REINFORCEMENT:

.1 150 mm CONCRETE BLOCK:
VERT: 1-20M @ 1200 mm o/c
HORIZ: 5M@ @ 400 mm o/c

.2 190 mm CONCRETE BLOCK:
VERT: 1-20M @ 1200 mm o/c
HORIZ: 5M@ @ 200 mm o/c
+ ENDM@ @ 1200 mm o/c

5M@ = STANDARD MASONRY REINFORCING 2 - 9 GAUGE SIDE RODS.

HDM@ = HEAVY DUTY MASONRY REINFORCING 2 - 5 mm SIDE RODS.

EHDM@ = EXTRA HEAVY DUTY MASONRY REINFORCING 2 - 5 mm SIDE RODS 5 mm CROSS RODS

PROVIDE VERTICAL DOWELS FOR MASONRY FROM CONCRETE ELEMENTS. SIZE AND SPACING OF DOWELS TO MATCH VERTICAL MASONRY REINFORCING.

.8 WIRE REINFORCEMENT TO C.S.A. A370-M1984 TRUSS TYPE, TRI FOR CAVITY WALLS.

.9 METAL TIES: TO CAN3-A30-M84

.1 CORRUGATED TIES: MIN. 1.2mm. THICK x 25mm SYMMETRICALLY ABOUT CENTER LINE OF SUPPORT AND PLACE BOTTOM BARS SYMMETRICALLY ABOUT SPAN UNLESS OTHERWISE NOTED.

.10 BAR TYPE REINFORCEMENT: TO C.S.A A370-M84, C.S.A G30.12-M77, TYPE 400.

.11 LAP HORIZONTAL STEEL 150 mm VERTICAL STEEL 36x BAR DIAMETER

.1 SUBMIT LABORATORY TEST REPORTS TESTIFYING COMPLIANCE OF MASONRY UNITS WITH SPECIFICATION REQUIREMENTS.

.2 SUPPLEMENT REQUIREMENTS OF CAN3-S304-M84 AND CAN3-A371-M84 AS FOLLOWS:

.1 ENSURE THAT MATERIALS ARE DELIVERED TO JOB SITE IN DRY CONDITION.

.2 STORE UNDER WATERPROOF COVER ON PALLETS OR PLANK PLATFORMS HELD OFF GROUND BY MEANS OF PLANK OR TIMBER SKIDS.

.3 PROVIDE TEMPORARY BRACING OF MASONRY WORK DURING AND AFTER ERECTION UNTIL PERMANENT LATERAL SUPPORT IS IN PLACE.

### 4. STRUCTURAL STEEL

.1 STRUCTURAL STEEL SHALL COMPLY WITH CAN/CSA-S16.1-M89.
HOLLOW STRUCTURAL STEEL SECTIONS TO BE GRADE 640.21 H350W Fy = 350 MPa.

.2 STEEL PLATE TO BE GRADE A36 WITH Fy = 248 MPa.

.3 ALL OTHER STRUCTURAL STEEL TO BE GRADE 640.21 W300W WITH Fy = 300 MPa.

.4 ANCHOR BOLTS TO BE A307.

.5 ALL OTHER BOLTS TO BE A325.

.6 WELDING TO CSA STANDARD W59.

.7 SHOP PAINT PRIMER TO C.S.A W59-M89

.8 ERECT STRUCTURAL STEEL AS INDICATED TO CAN3-S16.1-M89 AND C.S.A S136-M89 AND IN ACCORDANCE WITH SHOP DRAWINGS AND APPLICABLE SAFETY CODES.

.9 STEEL JOISTS

.1 DO WORK TO CAN/CSA-S16.1-M89 AND CAN/CSA S136-1984

.2 DO WELDING TO CSA W59-M89

.3 DESIGN STEEL JOISTS TO CARRY LOADS INDICATED ON DRAWINGS. SUBMIT SHOP DRAWINGS INCLUDING CALCULATIONS CERTIFIED BY PROFESSIONAL ENGINEER OF ONTARIO.

.4 CLEAN & PREPARE AND SHOP PRIME TO CGSB 1-GP-40a

.5 PROVIDE BRIDGING IN ACCORDANCE WITH CAN/CSA-S16.1-M89

.10 STEEL ROOF DECK

.1 ROOF DECK TO BE 38mm DP. 0.91 mm THICK (20 GAUGE).

.2 BUTTON PUNCH SIDE LAPS AT 600 mm O/C (MINIMUM)

.3 LONGITUDINAL WELD SPACING TO BE 300 mm O/C MAXIMUM EACH JOIST.

.4 TRANSVERSE WELD SPACING TO BE 3 WELDS FOR 600mm WIDE DECK UNITS AT EACH JOIST.

.5 WELDS TO BE 13mm EFFECTIVE DIAMETER ARC SPOT WELDS STEEL WASHERS ARE TO BE USED WHERE NECESSARY TO PREVENT BURN THROUGH OF DECK ON STEEL MEMBERS BY WELDS.

.6 STEEL DECKING SHALL SAFELY CARRY DEAD AND LIVE LOADS AS INDICATED.

.7 DEFLECTION UNDER LIVE LOAD ONLY SHALL NOT EXCEED 1/240th OF SPAN.

.8 SHEET STEEL TO ASTM A446-76 AND GALVANIZED TO ASTM-81 WITH G-90 ZINC COATING, GRADE A STRUCTURAL QUALITY.

.9 PRIMER: ZINC RICH, READY MIX TO CGSB 1-GP-181M-Amdt-MAR-78.

.11 GUARDRAILS AND STAIRS

.1 ALL GUARDRAILS AND CONNECTIONS TO BE DESIGNED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE CLAUSE 4.1.10.

.2 SHOP DRAWINGS SHOWING GUARDRAIL AND CONNECTION DETAILS TO BE SUBMITTED AND BEAR THE STAMP OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO.

.3 LANDING NOTED ON PLANS TO BE CONCRETE ON STEEL DECK. A PERIMETER ANGLE ANCHORED TO THE DECK SHALL BE INSTALLED AFTER ALSO TO TYPICAL STAIR DETAIL ON ARCHITECTURAL DRAWINGS.

.11 SUBMIT ALL STRUCTURAL STEEL, GUARDRAIL AND STAIR SHOP DRAWINGS FOR REVIEW.

### 17. WOOD

1.1 DESIGN

1. DESIGN TRUSSES, BRACING AND BRIDGING IN ACCORDANCE WITH CAN/CSA-086.1 FOR LOADS INDICATED ON THIS DRAWING.
2. LIMIT LIVE LOAD DEFLECTION TO 1/360TH OF SPAN WHERE GYPSUM CEILINGS ARE HUNG DIRECTLY FROM TRUSSES.

1.2 SOURCE QUALITY CONTROL

1. IDENTIFY LUMBER BY GRADE STAMP OF AN AGENCY CERTIFIED BY CANADIAN LUMBER STANDARDS ADMINISTRATION BOARD.

1.3 SHOP DRAWINGS

1. SUBMIT SHOP DRAWINGS FOR REVIEW.
2. EACH SHOP DRAWING SUBMISSION SHALL BEAR SIGNATURE AND STAMP OF PROFESSIONAL ENGINEER REGISTERED OR LICENSED IN PROVINCE OF ONTARIO.
3. INDICATE SPECIES, SIZES, AND STRESS GRADES OF LUMBER USED AS TRUSS MEMBERS. SHOW PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING OF TRUSSES. INDICATE CONNECTOR TYPES, THICKNESS, SIZES, LOCATIONS, AND DESIGN VALUE. SHOW BEARING DETAILS. INDICATE DESIGN LOAD FOR EACH MEMBER.
4. SUBMIT STRESS DIAGRAM OR PRINTOUT OF COMPUTER DESIGN INDICATING DESIGN LOAD FOR EACH TRUSS MEMBER. INDICATE ALLOWABLE LOAD AND STRESS INCREASE. ALLOW FOR LOAD REDUCTION DUE TO FIRE RETARDANT.
5. DO LOAD TESTING ON REPRESENTATIVE TRUSSES SELECTED BY ENGINEER OR PROVIDE CERTIFICATION THAT TRUSSES MEET REQUIREMENTS OF CSA S307 AND CSA S347.
6. INDICATE ARRANGEMENT OF WEBS OR OTHER MEMBERS TO ACCOMMODATE DUCTS AND OTHER SPECIALTIES.
7. SHOW LIFTING POINTS FOR STORAGE, HANDLING, AND ERECTION.
8. SHOW LOCATION OF LATERAL BRACING FOR COMPRESSION MEMBERS.

1.4 DELIVERY AND STORAGE

1. STORE TRUSSES ON JOB SITE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE BEARING SUPPORTS AND BRACING. PREVENT BENDING, WARPING AND OVERTURNING OF TRUSSES.

2.1 MATERIALS

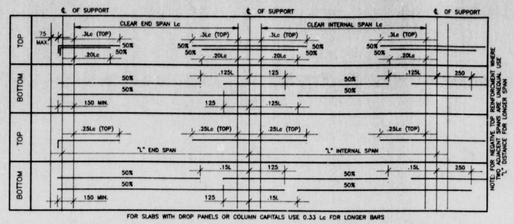
1. LUMBER: S.P.F. SPECIES, NO. 2 GRADE, SOFTWOOD, S45, WITH MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF FABRICATION AND TO THE FOLLOWING STANDARDS.
   1 CAN/CSA-0141
   2 NLGA (NATIONAL LUMBER GRADING ASSOCIATION), STANDARD GRADING RULES FOR CANADIAN LUMBER
2. FASTENINGS: TO CAN/CSA-086.1
3. FIRE RETARDANT TO ARCH'L REQUIREMENTS

2.2 FABRICATION

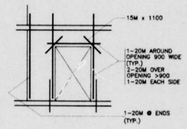
1. FABRICATE WOOD TRUSSES IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.
2. CUT TRUSS MEMBERS TO ACCURATE LENGTH, ANGLE, AND SIZE TO ASSURE TIGHT JOINTS FOR TWO-HAND TRUSSES.
3. ASSEMBLE TRUSS MEMBERS TO DESIGN CONFIGURATION.
4. PROVIDE FOR DESIGN CAMBER WHEN POSITIONING TRUSS MEMBERS.
5. CONNECT MEMBERS USING METAL CONNECTOR PLATES.
6. APPLY FIRE RETARDANT TO ALL MEMBERS

3.1 ERECTION

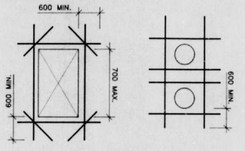
1. ERECT WOOD TRUSSES IN ACCORDANCE WITH APPROVED ERECTION DRAWINGS.
2. PROVIDED LIFTING POINTS TO BE USED TO HOIST TRUSSES INTO POSITION.
3. EXERCISE CARE TO PREVENT OUT-OF-PLANE BENDING OF TRUSSES.
4. INSTALL TEMPORARY HORIZONTAL AND CROSS BRACING TO HOLD TRUSSES PLUMB AND IN SAFE CONDITION UNTIL PERMANENT BRACING AND DECKING ARE INSTALLED.
5. INSTALL PERMANENT BRACING IN ACCORDANCE WITH APPROVED SHOP DRAWINGS, PRIOR TO APPLICATION OF LOADS TO TRUSSES.
6. REMOVE TEMPORARY BRACING ONLY AS DIRECTED BY ENGINEER TO PREVENT OVERSTRESSING OF TRUSS.
7. DO NOT CUT OR REMOVE ANY TRUSS MATERIAL WITHOUT APPROVAL OF ENGINEER.




GENERAL ARRANGEMENT OF REINFORCING STEEL IN FLAT SLAB (UNLESS NOTED ON DETAIL DRAWING)

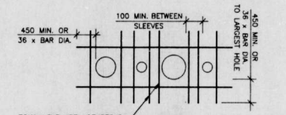



TYPICAL REINF. AROUND OPENINGS




1-20M BOTH FACES ALL AROUND HOLE (250mm WALLS)
1-20M ON C.L. ALL AROUND HOLE (150mm & 200mm WALLS)

DETAILS AT DOORS, HOLES OR PIPE SLEEVES IN WALLS (UNLESS OTHERWISE NOTED ON DRAWINGS)




DETAILS AT GROUP OF PIPE SLEEVES IN SLAB

LOOSE BRICK ANGLE SCHEDULE

| SPAN | SIZE |
|---|---|
| UP TO 1200 | L 90x90x6 |
| 1200 TO 1800 | L 100x90x8 |
| 1800 TO 2400 | L 125x90x8 |
| 2400 TO 3000 | L 150x100x10 |

1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH P.I/SPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.
3. ADDITIONAL DRAWINGS MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK. SUCH DRAWINGS WILL HAVE THE SAME MEANING AND INTENT AS IF THEY WERE INCLUDED WITH THE CONTRACT DOCUMENTS.
4. DO NOT SCALE DRAWINGS.

VERTICAL LOAD DATA

APARTMENT AREAS:

FLOORS
SDL = 1.0 KPa (PARTITIONS)
LL = 4.8 KPa (BALCONIES & COVRDORS)
LL = 1.9 KPa (UNITS)

ROOF
SDL = 0.3 KPa (BOTTOM CHORD)
= 0.5 KPa (TOP CHORD)
LL = 2.16 + DRIFTING (SNOW)

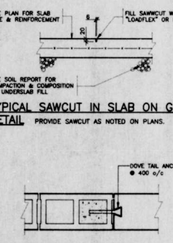
PARKING GARAGE:

LANDSCAPE ROOF DECK
SDL = 9.2 KPa (MAX. LANDSCAPING)
LL = 2.16 + DRIFTING (SNOW)

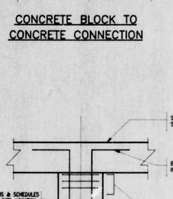
COMMUNITY BUILDING:

FLOORS
SDL = 1.0 KPa (PARTITIONS)
LL = 4.8 KPa

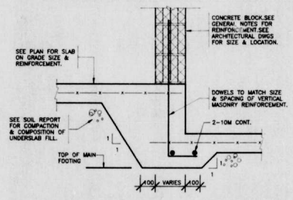
ROOF
SDL = 0.3 KPa (BOTTOM CHORD)
= 0.5 KPa (TOP CHORD)
LL = 2.16 + DRIFTING (SNOW)
= 3.6 KPa (MECH. MEZZ.)



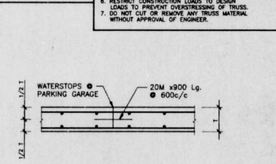

TYPICAL SAWCUT IN SLAB ON GRADE DETAIL PROVIDE SAWCUT AS NOTED ON PLANS.



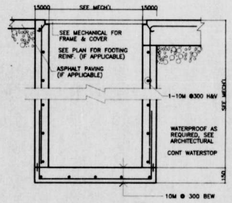

CONCRETE BLOCK TO CONCRETE CONNECTION



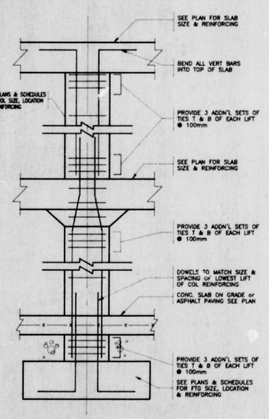

TYPICAL SLAB ON GRADE THICKENING DETAIL FOR NON-LOADBEARING MASONRY WALL AT CONCRETE SLAB EDGE



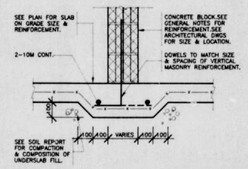

CONSTRUCTION JOINT IN FLAT SLAB



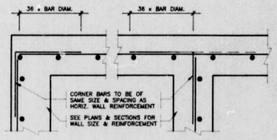

TYPICAL SUMP PIT DETAIL



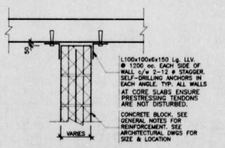

TYPICAL COLUMN DETAIL



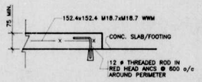

TYPICAL SLAB ON GRADE THICKENING DETAIL FOR NON-LOADBEARING MASONRY




TYPICAL WALL INTERSECTION REINFORCEMENT DETAIL



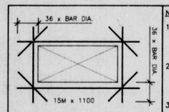

MASONRY WALL LATERAL SUPPORT AT SLAB




HOUSEKEEPING PADS
( SEE MECH'L FOR LOCATIONS & SIZES CONTRACTOR TO COORDINATE )

MASONRY SCHEDULE FOR NON-LOADBEARING WALLS
NOT SHOWN ON PLAN

| SPAN (mm) | LINTEL | REINFORCING |
|---|---|---|
| **140 BLOCK WALL** | | |
| UP TO 1200 | 140 WD x 1 COURSE DP. | 1-20M T&B |
| 1201 TO 1800 | 140WD x 2 COURSE DP. | 1-20M T&B |
| 1801 TO 2400 | 140 WD x 3 COURSE DP. | 1 20M T&B |
| 2401 TO 3000 | 140 WD x 3 COURSE DP. + 1-10M ℄ @ 200 o/c | 1-20M T&B |
| **190 BLOCK WALL** | | |
| UP TO 1200 | 190 WD x 1 COURSE DP. | 1-20M T&B |
| 1201 TO 1800 | 190 WD x 2 COURSE DP. | 1-20M T&B |
| 1801 TO 2400 | 190 WD x 3 COURSE DP. | 1 20M T&B |
| 2401 TO 3000 | 190 WD x 3 COURSE DP. + 1-10M ℄ @ 200 o/c | 1-20M T&B |




| MAX. SIZE | REINF. T&B |
|---|---|
| 200x300 | 15M |
| 450x600 | 2-15M |
| 500x750 | 2-20M |

NOTES:
1. WHERE BARS WOULD BE CUT OFF BY OPENING, DIPLACE BARS SYMETRICALLY ABOUT HOLES DO NOT CUT BARS.
2. WHERE W.W.M. IS USED REPLACE AREA OF CUT BARS BY AN EQUIVALENT AREA OF REBARS PLACED SYMMETRIALLY ABOUT HOLE
3. PLACE HOOK BARS AT OPENING MAINTAINING SAME SPACE AS REMAINDER OF SLAB BARS (WHERE W.W.M. IS USED, USE SUPPLEMENTARY HOOK BARS
4. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION OF OPENINGS
5. FOR SIZES OF HOLES BETWEEN THOSE SHOWN ABOVE USE BARS FOR NEXT LARGEST HOLE

DETAILS AT HOLES THROUGH SLAB

LATERAL LOAD DATA

EARTHQUAKE V= (Ve / R) U
Ve = v S I F W
U = 0.6
R = 2.0
v = 0.1
F = 1.3
S = 4.2
I = 1.0

| | APARTMENTS | | PARKING GARAGE | |
|---|---|---|---|---|
| | $V_{BASE}$ ( kN ) | $M_{BASE}$ ( kN-m ) | $V_{BASE}$ ( kN ) | $M_{BASE}$ ( kN-m ) |
| NS | 3495 | 24700 | 5381 | 13452 |
| EW | 3495 | 24700 | 5381 | 13452 |

WIND P = q Ce Cp Cg
q = 0.37
Ce = 1.1
CpCg = 1.3 (1.95 @ END ZONES)

| | APARTMENTS | | PARKING GARAGE | |
|---|---|---|---|---|
| | $V_{BASE}$ ( kN ) | $M_{BASE}$ ( kN-m ) | $V_{BASE}$ ( kN ) | $M_{BASE}$ ( kN-m ) |
| NS | 522 | 3350 | – | – |
| EW | 350 | 2100 | 321 | 1284 |

CITY OF NEPEAN PLANS EXAMINED NOV 3/98 PLANS EXAMINER

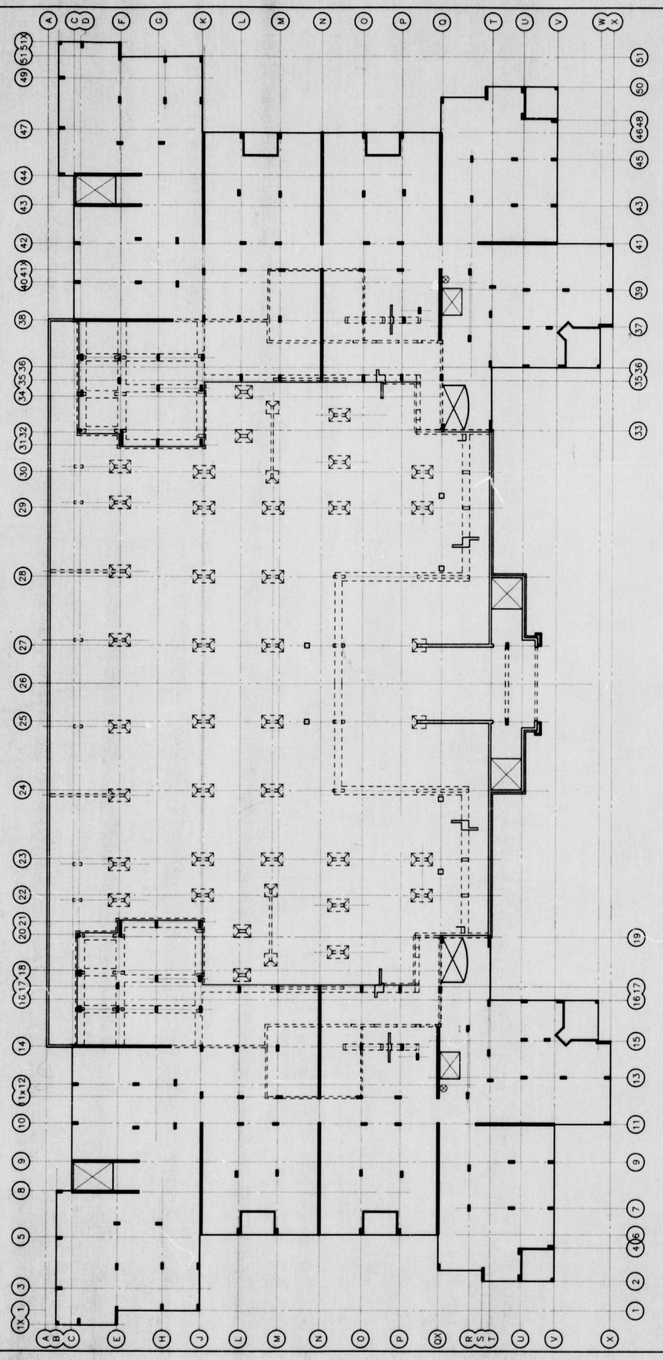
| NO. | REVISION | DATE |
|---|---|---|
| 4 | ISSUED FOR CONSTRUCTION | 05.10.98 |
| 3 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |


MANHIRE ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4496

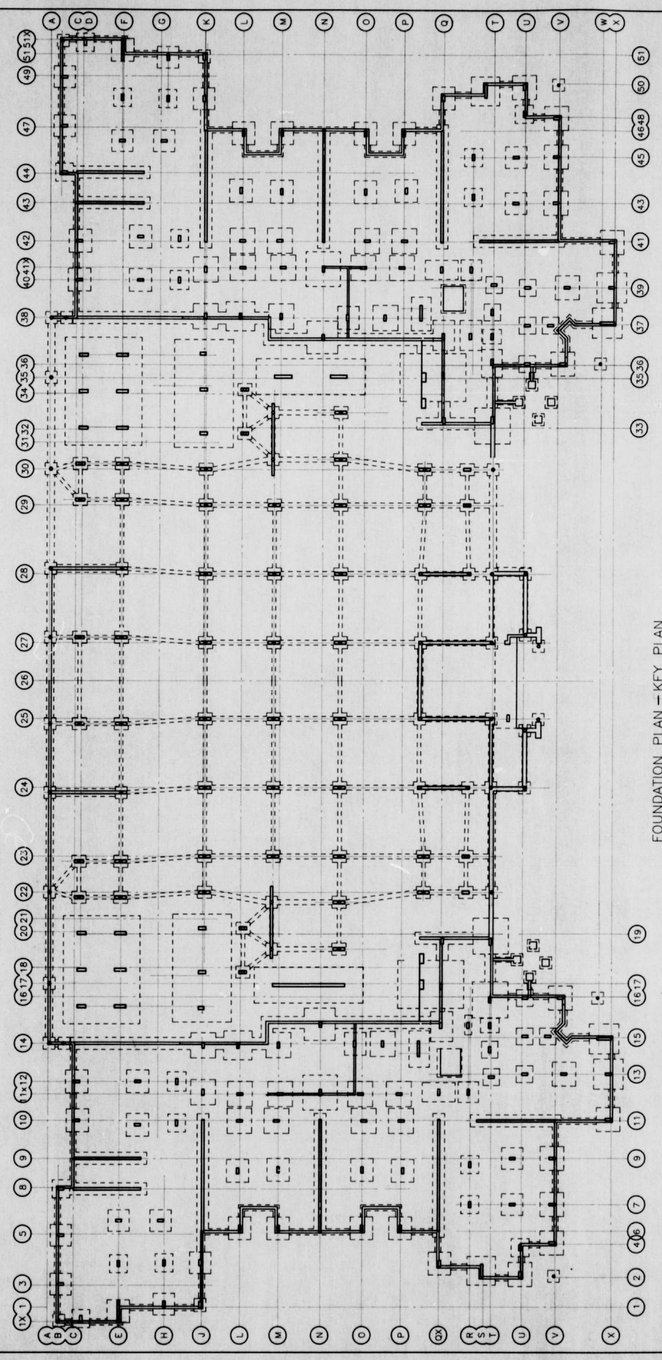

Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: GENERAL NOTES AND TYPICAL DETAILS

LICENSED PROFESSIONAL ENGINEER P.A. SIDDLE PROVINCE OF ONTARIO

| | |
|---|---|
| Date | 04-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | N.T.S. |
| Project No. | 98-100 |
| Drawing | S-0 |
| Rev. | 3 |



GROUND FLOOR KEY PLAN



FOUNDATION PLAN – KEY PLAN

1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.
3. ADDITIONAL DRAWINGS MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK. SUCH DRAWINGS WILL HAVE THE SAME MEANING AND INTENT AS IF THEY WERE INCLUDED WITH THE CONTRACT DOCUMENTS.
4. DO NOT SCALE DRAWINGS.

| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21-09-98 |

CITY OF NEPEAN
PLANS EXAMINED
NOV 4 1998


MANHIRE
ASSOCIATES LTD.
Structural Engineers

18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4859

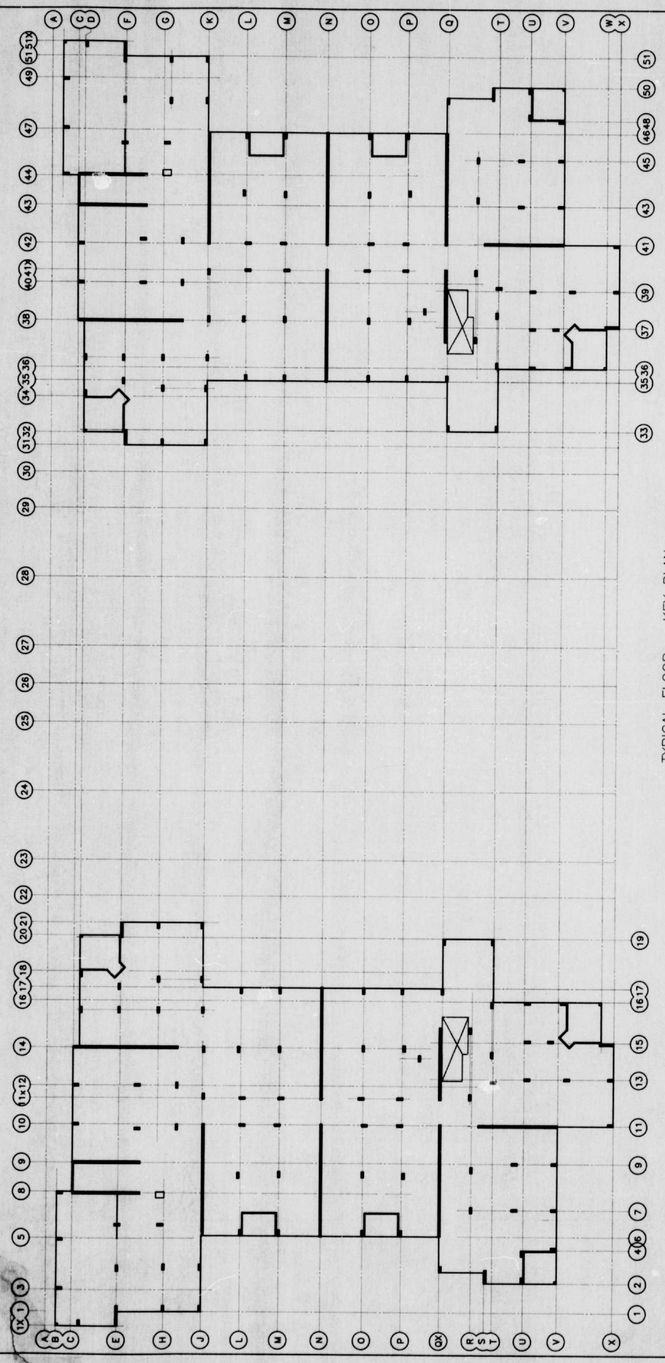

Project: MERIDIAN AT CENTREPOINTE

Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS

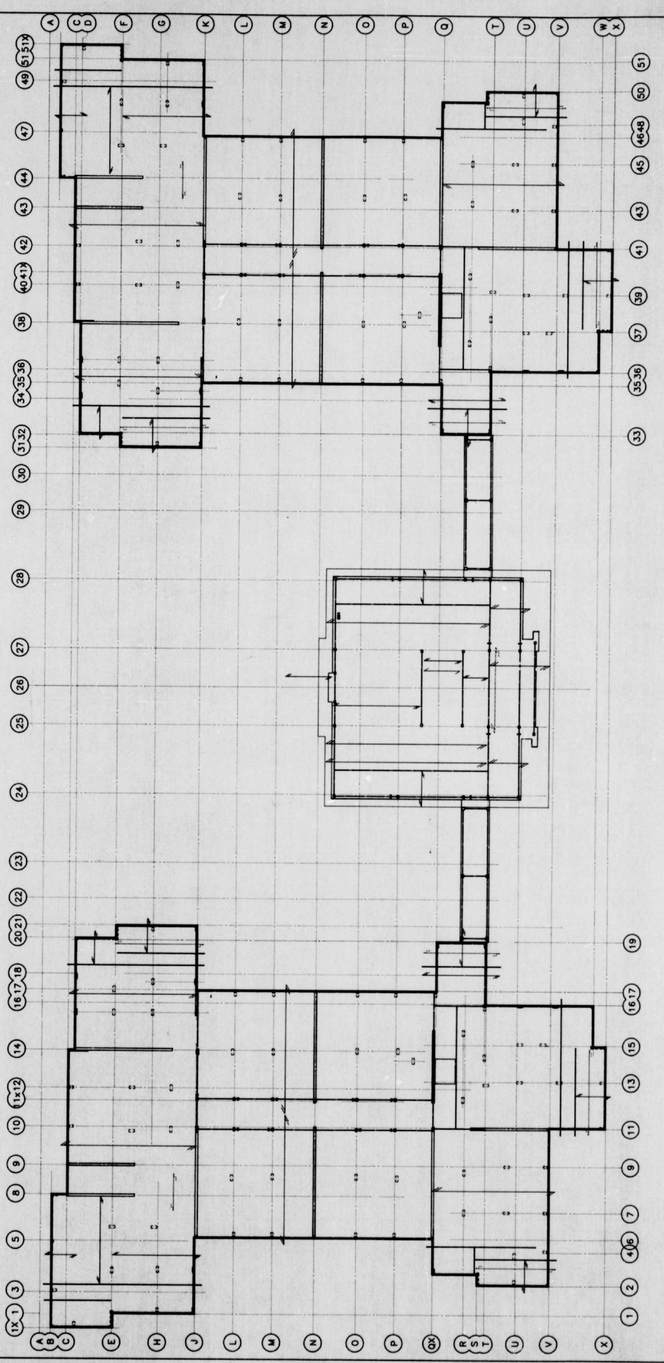
Drawing: KEY PLANS
GROUND FLOOR – FOUNDATION

LICENCED PROFESSIONAL ENGINEER
R.A. GOODEVE
PROVINCE OF ONTARIO

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:150 |
| Project No. | 98-100 |
| Drawing No. | S-1 |
| Rev. | 3 |



TYPICAL FLOOR – KEY PLAN



ROOF & COMMUNITY BLDG. – KEY PLAN

1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
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4. DO NOT SCALE DRAWINGS.

| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONST. | 07.10.98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

CITY OF NEPEAN
PLANS EXAMINED
NOV 5/98
PLAN EXAMINER


MANHIRE
ASSOCIATES LTD.
Structural Engineers

18–77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226–4558 FAX (613)226–4959


Project: MERIDIAN AT CENTREPOINTE

Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS

Drawing: KEY PLANS
TYPICAL FLOOR – ROOF

| | |
|---|---|
| Date | 21–09–98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:150 |
| Project No. | 98–100 |
| Drawing | S–2 |
| Rev. | 3 |

P. A. GODEYE

1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
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4. DO NOT SCALE DRAWINGS.
5. REFER TO ARCHITECTURAL & MECHANICAL ENGINEER PLANS FOR LOCATION OF OPENINGS.

PARTIAL FOOTING PLAN
SOUTH BLOCK

FOUNDATION PLAN

| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 05.10.98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

CITY OF NEPEAN
PLANS EXAMINED
NOV 5/1998
PLAN EXAMINER


MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)228-4558 FAX (613)228-4954


Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECT
Drawing: FOUNDATION PLAN LAYOUT

F.K.GOODEVE
PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | S-3 |
| Rev. | 3 |

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4. DO NOT SCALE DRAWINGS.

GROUND FLOOR PLAN

ENTRANCE CANOPY PLAN

PIER 1&1A SECTION

PARTIAL GROUND FLOOR LAYOUT
SOUTH BLOCK

1 SECTION S4

CITY OF NEPEAN
PLANS EXAMINED
NOV 1998
PLAN EXAMINER

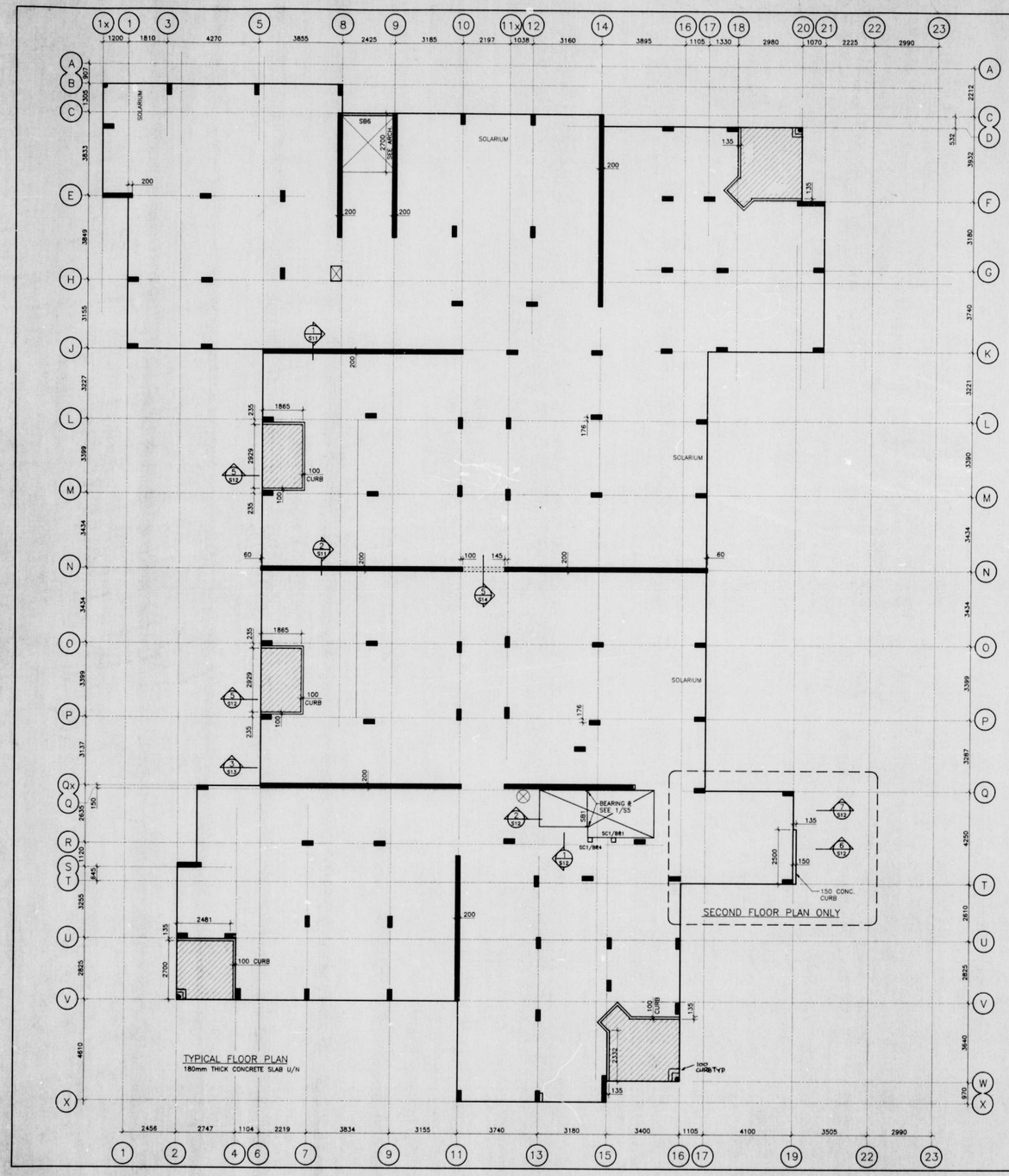
| NO. | REVISION | DATE |
|---|---|---|
| 1 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21-09-98 |

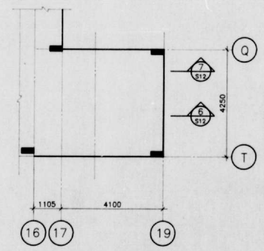

MANHIRE ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4959

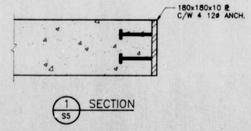

Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: GROUND FLOOR PLAN LEVEL 2 - LAYOUT

R.A.GOODEVE
PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

| Date | 21-09-98 |
|---|---|
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project no. | 98-100 |
| Drawing | S-4 |
| Rev. | 3 |

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4. DO NOT SCALE DRAWINGS.

| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 05.10.98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

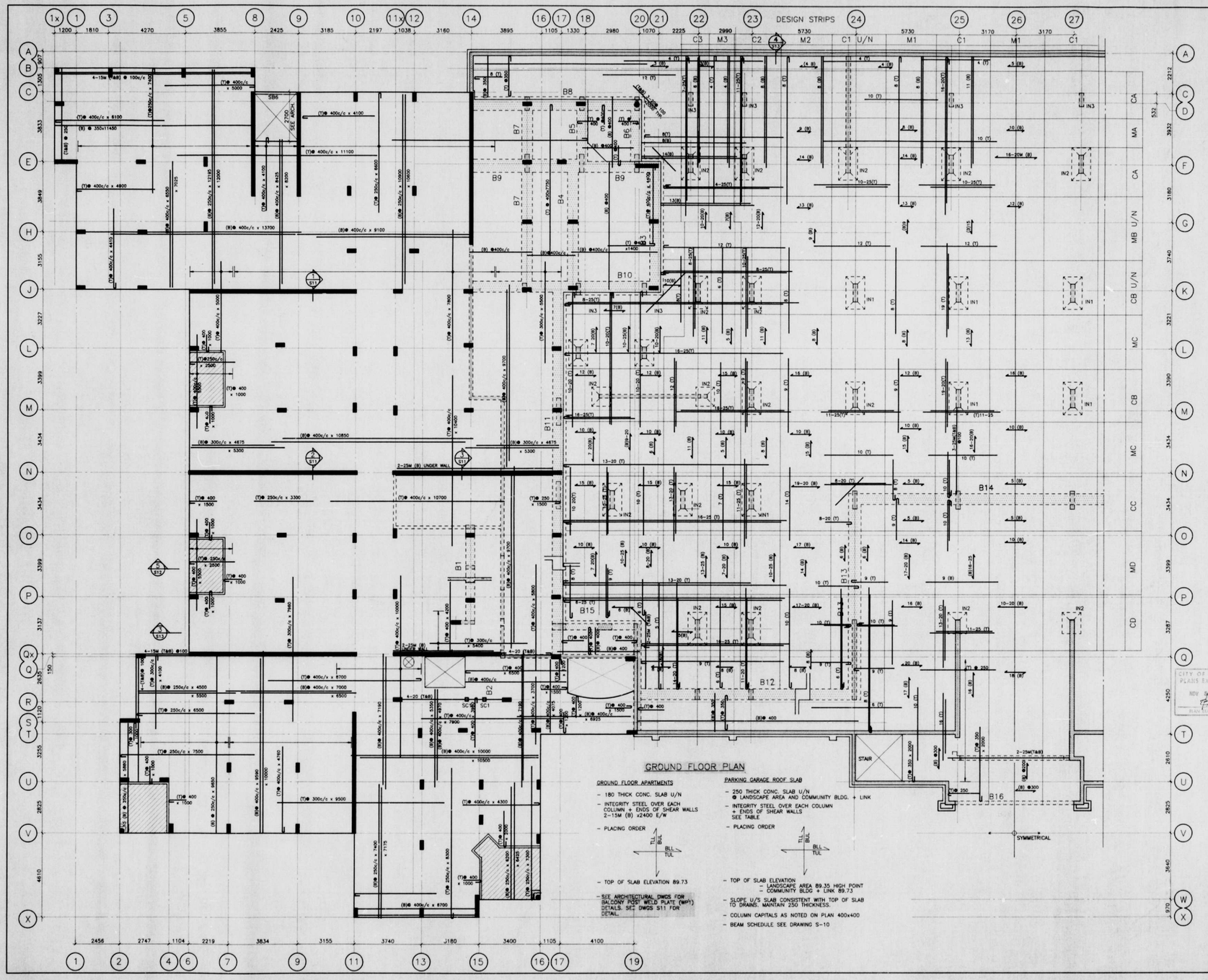
CITY OF NEPEAN PLANS EXAMINED NOV 1 1998 PLANS EXAMINER

MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4956

Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: SECOND & THIRD FLOOR PLAN TYPICAL LAYOUT

R.A.GOODEVE PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

| Date | 21-09-98 |
|---|---|
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | S-5 |
| Rev. | 3 |

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PARKING GARAGE DECK
INTEGRITY REINFORCING

| | |
|---|---|
| IN1 | 4-25M x 4600lg. LONG COLUMN DIM.<br>4-25M x 3850lg. SHORT COLUMN DIM. |
| IN2 | 4-20M x 4000lg.<br>4-20M x 3200lg. |
| IN3 | 4-15M x 3000lg.<br>4-15M x 2500lg. |

CITY OF NEPEAN PLANS EXAMINED NOV 04 1998

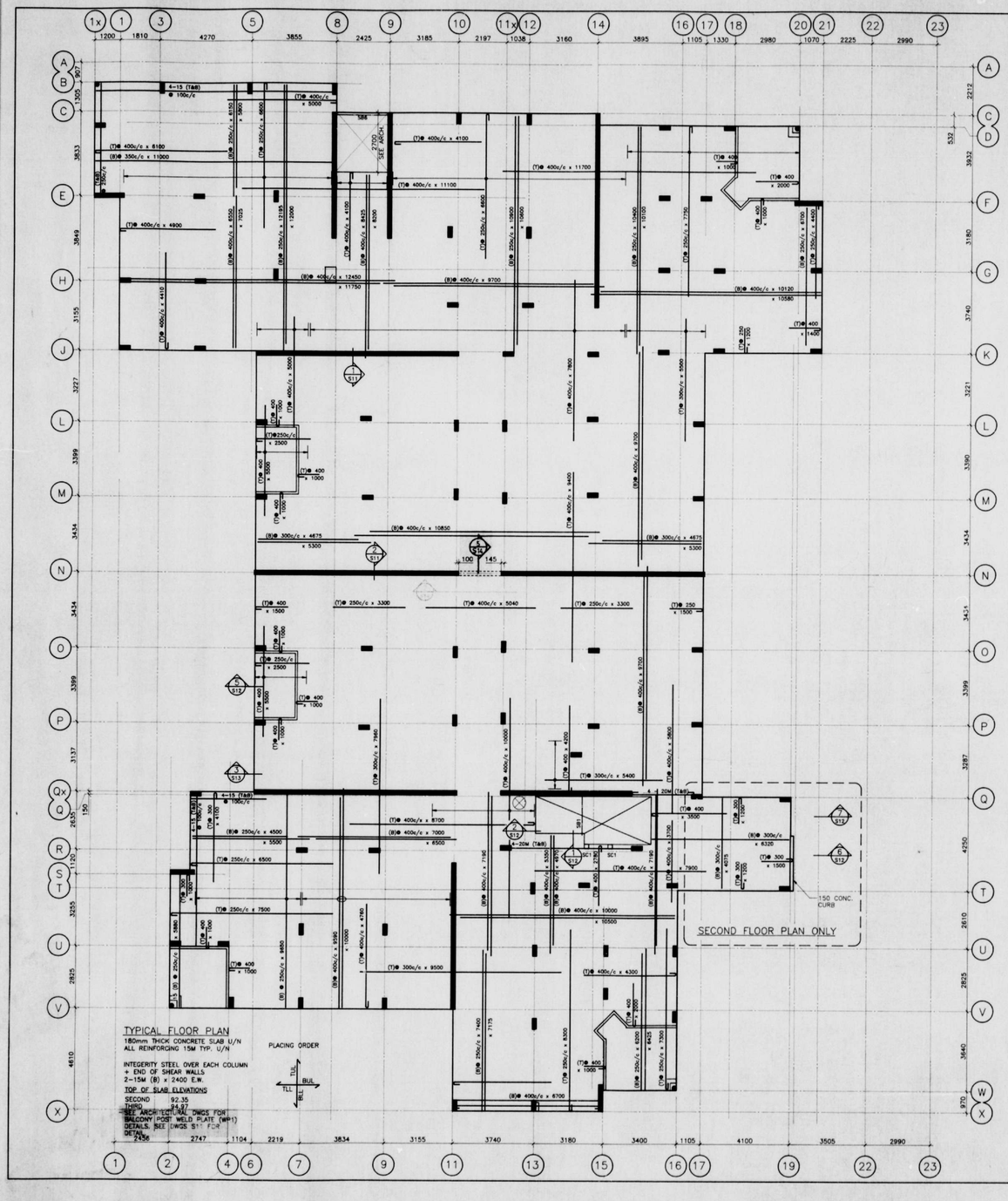
| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

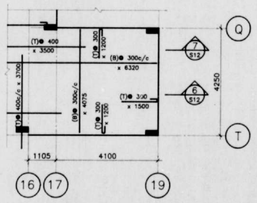

MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4959


Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: GROUND FLOOR PLAN REINFORCING

P.A.GODDEVE — PROFESSIONAL ENGINEER — PROVINCE OF ONTARIO

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | S-6 |
| Rev. | 3 |

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|---|---|---|
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| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

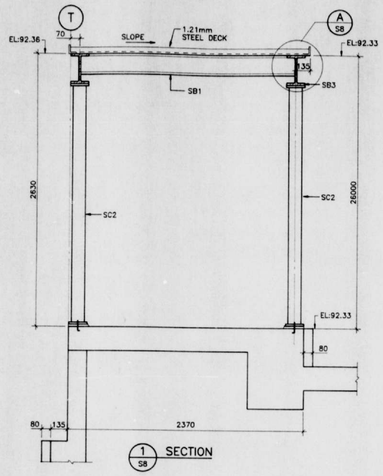
CITY OF NEPEAN PLANS EXAMINED NOV 4 1998

MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4058 FAX (613)226-4956

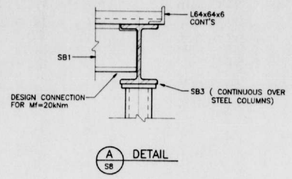
Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN & ASSOC. ARCHITECTS
Drawing: SECOND AND THIRD FLOOR PLAN REINFORCING

P.A.GOODEVE — PROFESSIONAL ENGINEER — PROVINCE OF ONTARIO

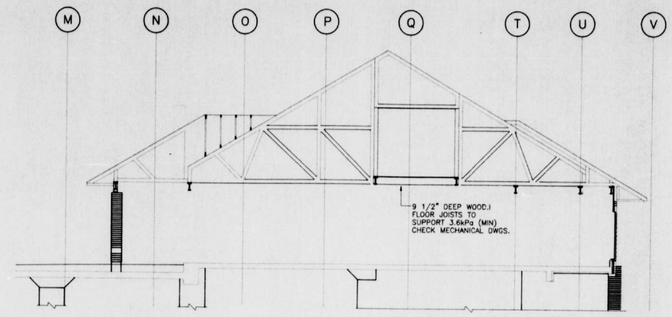
| Date | 21-09-98 |
|---|---|
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | S-7 |
| Rev. | 3 |




1 SB SECTION




A SB DETAIL

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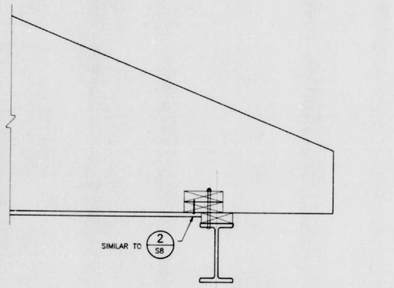


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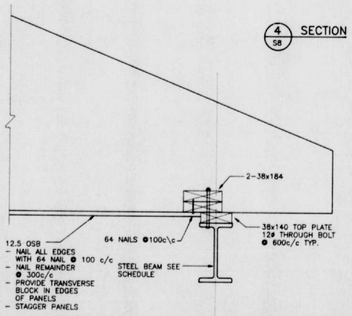


2 SB SECTION




PLAN: COMMUNITY BLDG. ROOF FRAMING

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| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-08-98 |
| 1 | ISSUED OR BLDG. PERMIT | 21-08-98 |

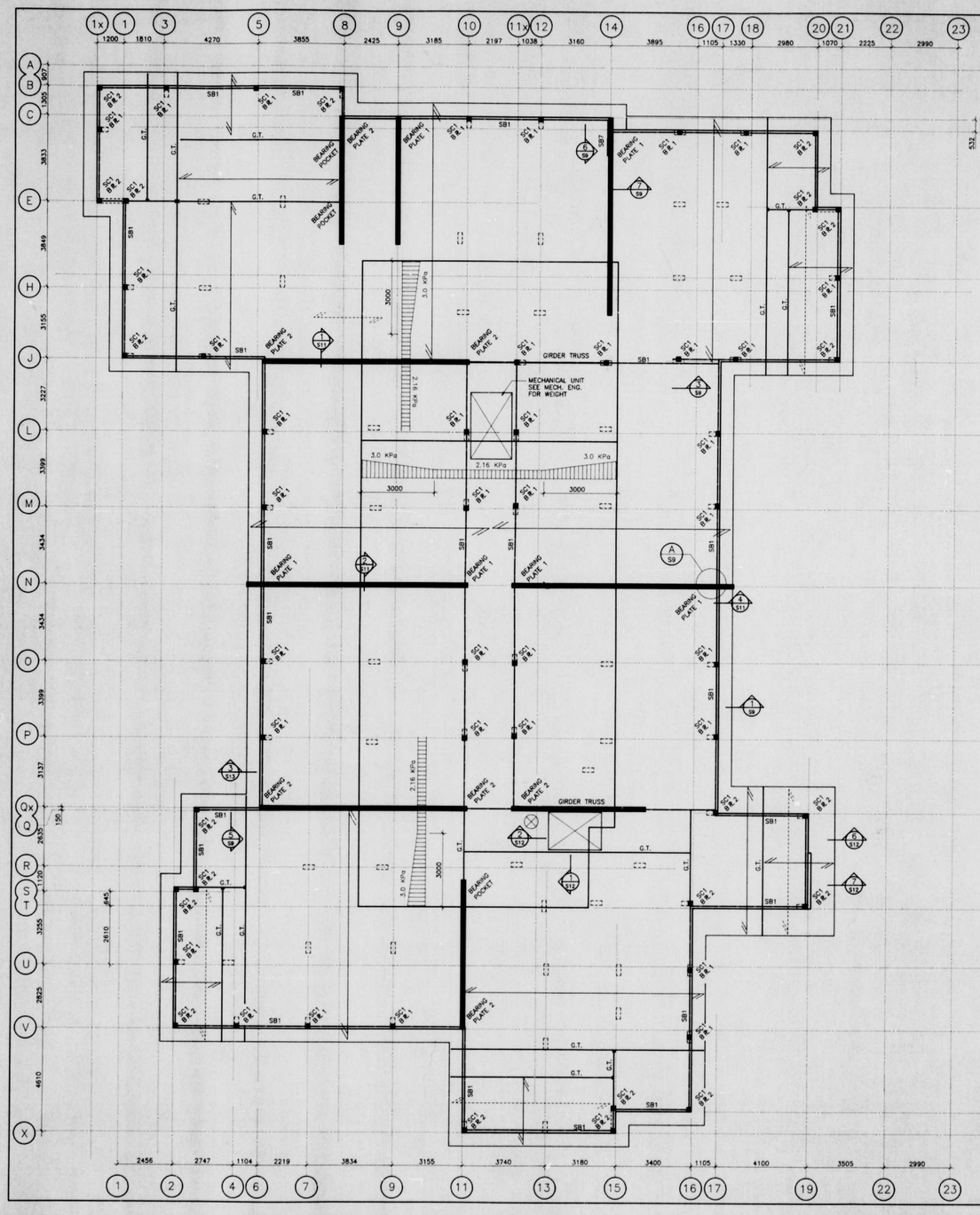
CITY OF NEPEAN
PLANS EXAMINED
NOV 23 1998
APPROVED

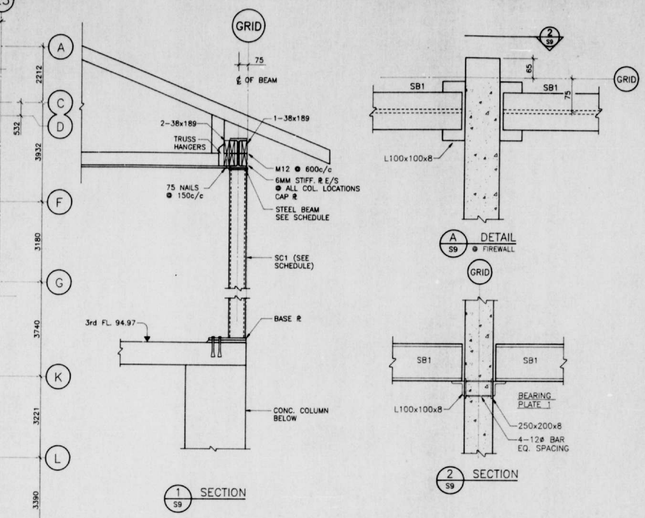
MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4556 FAX (613)226-4969

Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: ROOF PLAN – COMMUNITY BLDG.

LICENSED PROFESSIONAL ENGINEER R.A.GOODEVE PROVINCE OF ONTARIO

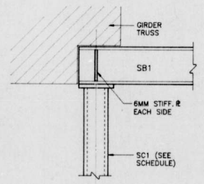
| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | SB |
| Rev. | 3 |

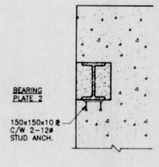


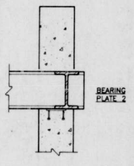



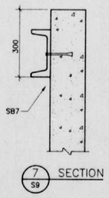


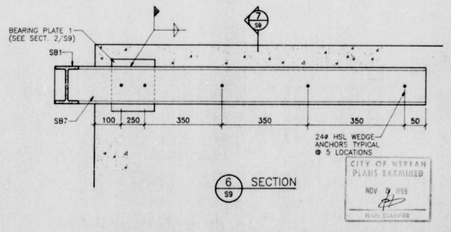


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MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL. (613)226-4558 FAX (613)226-4906

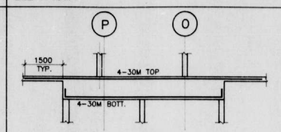
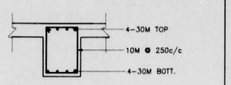
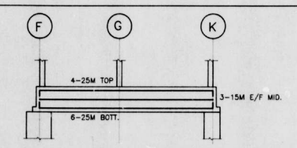
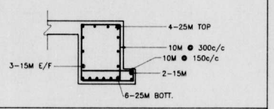
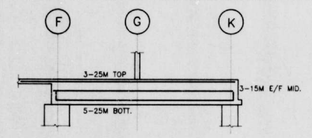
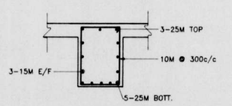
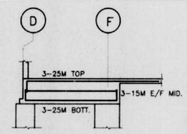
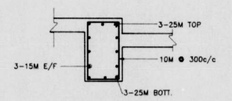
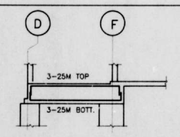
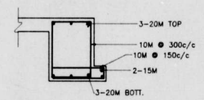
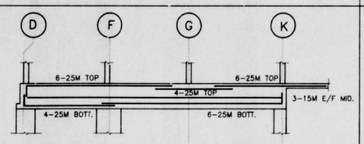
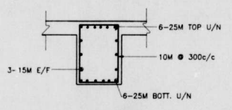
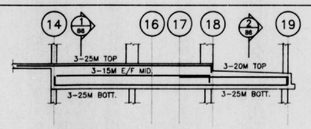
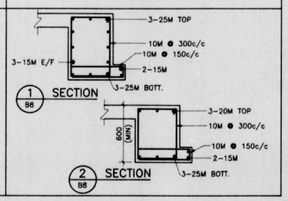
CITY OF NEPEAN PLANS EXAMINED NOV 9 1998

Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: ROOF FRAMING PLAN

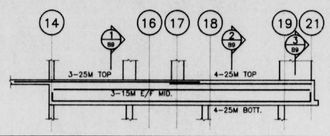
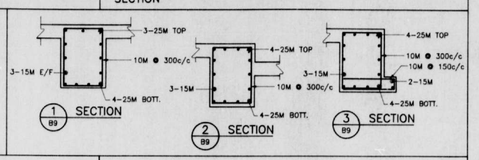
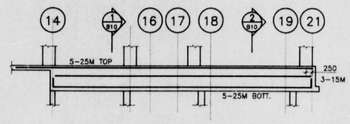
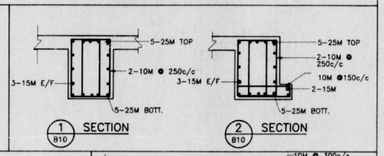
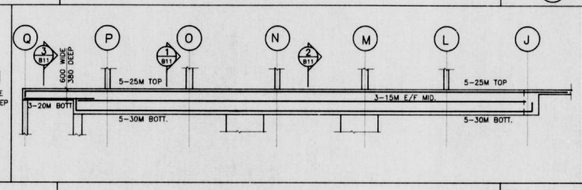
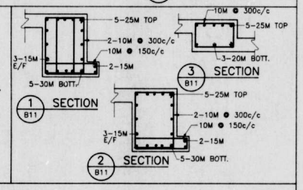
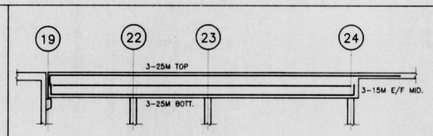
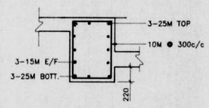
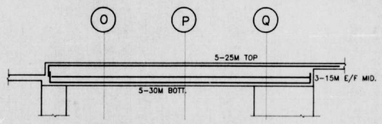
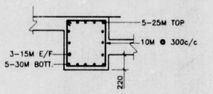
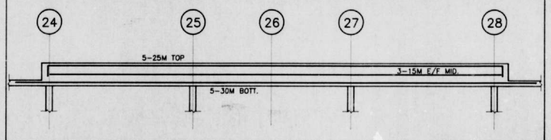
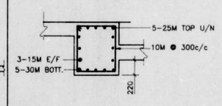
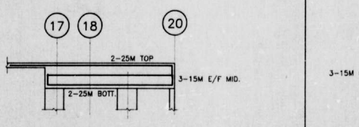
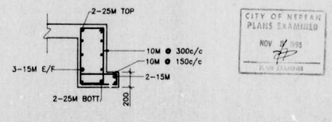
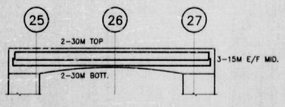
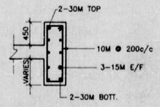
LICENSED PROFESSIONAL ENGINEER R.A.GOODEVE PROVINCE OF ONTARIO

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | S-9 |
| Rev. | 3 |

## BEAM SCHEDULE

| MARK | ELEVATION | SECTION |
|---|---|---|
| B1<br>500 WIDEx700 DEEP |  |  |
| B3<br>600 WIDEx850 DEEP |  |  |
| B4<br>600 WIDEx850 DEEP |  |  |
| B5<br>500WIDEx850 DEEP |  |  |
| B6<br>600WIDEx600 (MIN) DEEP |  |  |
| B7<br>600WIDEx850 DEEP |  |  |
| B8<br>GRID LINE 14-18:<br>- 600 WIDEx850 DEEP<br>GRID LINE 18-END:<br>- 600 WIDEx600 DEEP (MIN) |  |  |

## BEAM SCHEDULE

| MARK | ELEVATION | SECTION |
|---|---|---|
| B9<br>GRID LINE 14-18:<br>- 715 WIDEx850 DEEP<br>GRID LINE 18-END:<br>- 600 WIDEx850 DEEP |  |  |
| B10<br>600 WIDEx850 DEEP |  |  |
| B11<br>600 WIDE x850 DEEP U/N |  |  |
| B12<br>600 WIDEx850 DEEP |  |  |
| B13<br>700 WIDEx850 DEEP |  |  |
| B14<br>600 WIDEx850 DEEP |  |  |
| B15<br>350 WIDEx 850 DEEP |  |  |
| B16<br>200 WIDEx800 DEEP (MIN.) |  |  |

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4. DO NOT SCALE DRAWINGS.

| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21-09-98 |

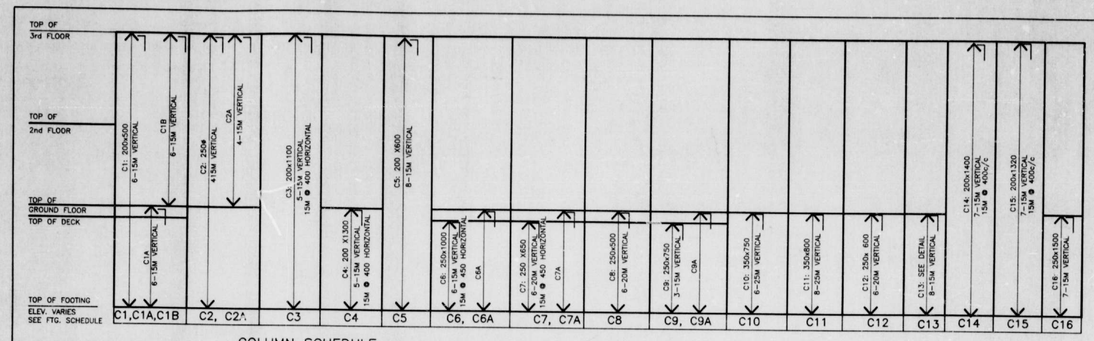
CITY OF NEPEAN PLANS EXAMINED NOV 4 1998

MANHIRE ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)228-4558 FAX (613)228-4959

Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: BEAM SCHEDULE

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | S-10 |
| Rev. | 3 |

LICENCE PROFESSIONAL ENGINEER R.A.GOODEVE PROVINCE OF ONTARIO




COLUMN SCHEDULE

| FOOTING SCHEDULE | | | |
|---|---|---|---|
| TYPE | SIZE | SIZE | REINFORCING |
| F1 | 2000 x 2000 | 300 DP. | 10-15M E.W. |
| F2 | 2100 x 2100 | 300 DP. | 10-15M E.W. |
| F3 | 1800 x 1800 | 300 DP. | 7-15M E.W. |
| F4 | 1600 x 1600 | 300 DP. | 6-15M E.W. |
| F5 | 2400 x 2400 | 350 DP. | 10-20M E.W. |
| F6 | 1500 x 1500 | 300 DP. | 6-15M E.W. |
| F7 | 1000 x 1000 | 300 DP. | 3-15M E.W. |
| F8 | 2300 x 2300 | 350 DP. | 10-20M E.W. |
| F9 | 2500 x 2500 | 350 DP. | 10-20M E.W. |
| F10 | 2800x 2800 | 400 DP. | 10-20M E.W. |
| F12 | 3000 x 9200 | 300 DP. | 36-20M SHORT<br>14-20M LONG |
| F13 | 5000 x 9000 | 500 DP. | TOP 20M @250 SHORT<br>BOTT 20M @250 SHORT<br>TOP 20M @250 LONG<br>BOTT 20M @250 LONG |
| F14 | 6500 x 9000 | 500 DP. | TOP 20M @300 SHORT<br>BOTT. 20M @300 SHORT<br>TOP 20M @200 LONG<br>BOTT. 20M @200 LONG |

| FOOTING SCHEDULE | | | |
|---|---|---|---|
| TYPE | SIZE | SIZE | REINFORCING |
| F15 | 1600 x 2800 | 350 DP. | 7-20M SHORT<br>6-20M LONG |
| F16 | 1600 x 3400 | 350 DP. | 12-20M SHORT<br>5-20M LONG |
| F17 | 2400 x 2200 | 300 DP. | 10-20M E.W. |
| F18 | 3000 x 3000 | 350 DP. | 15-20M E.W. |
| F19 | 1200 x 1600 | 300 DP. | 6-15M E.W. |
| F20 | 3500 x 5600 | 450 DP. | 20-20M SHORT<br>7-20M LONG |
| F21 | 2000 x 2000 | 300 DP. | 10-15M E.W. |
| F22 | 2000 x 3800 | 350 DP. | 15-20M SHORT<br>8-20M LONG |
| | | | |
| WF1 | 600 | 300 DP. | 3-15M CONT'S<br>15M @ 300c/c |
| WF2 | 1000 | 350 DP. | 5-15M CONT'S<br>15M @ 300c/c |
| WF3 | 1000 | 350 DP. | 5-15M CONT'S<br>15M @ 300c/c |
| WF4 | 600 | 300 DP. | 3-15M CONT'S<br>15M @ 300c/c |
| WF5 | 400 | 300 DP. | 3-15M CONT'S<br>15M @ 300c/c |
| WF6 | 400 | 300 DP. | 3-15M CONT'S<br>15M @ 300c/c |

BASE PLATE SCHEDULE

| MARK | SIZE | | ANCHOR BOLTS |
|---|---|---|---|
| BP1 | 250x125x12 | | 2-15mm∅ KWIK BOLTS |
| BP2 | 250x250x12 | | 2-15mm∅ KWIK BOLTS |
| BP3 | 250x150x20 | | 2-24mm∅ HSL WEDGE ANCHORS |
| BP4 | 300x125x15 | | 2-15mm∅ KWIK BOLTS |

STEEL BEAM SCHEDULE

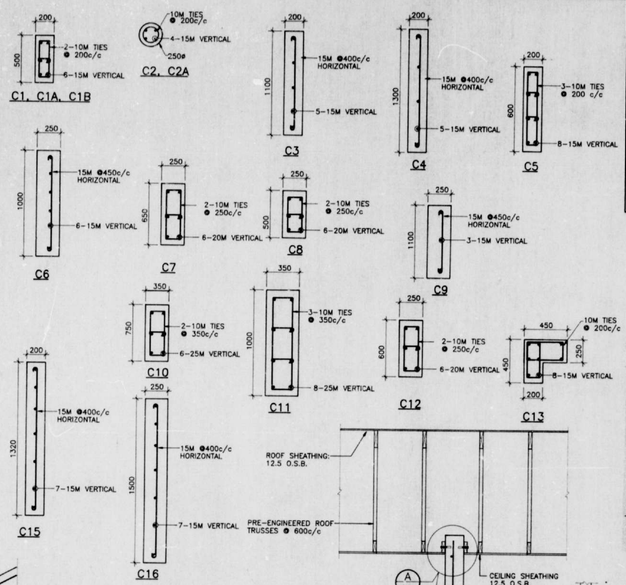
| MARK | SIZE |
|---|---|
| SB1 | W200x31 |
| SB2 | W250x24 |
| SB3 | W310x31 |
| SB4 | W410x39 |
| SB5 | W360x33 |
| SB6 | HSS 152x152 x6.4 |
| SB7 | C200x17 |

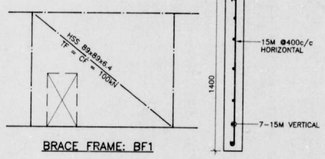
PILE SCHEDULE

| MARK | WORKING LOAD |
|---|---|
| P1 | 460kN |
| P2 | 600kN |
| P3 | 700kN |
| P4 | 800kN |
| P5 | 900kN |
| P6 | 1050kN |
| P7 | 1150kN |

STEEL COLUMN SCHEDULE

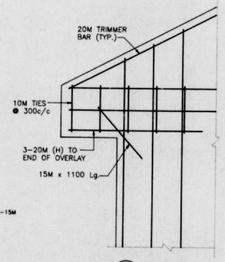
| MARK | SIZE |
|---|---|
| SC1 | HSS 89x89x6.4 |
| SC2 | HSS 102x102x6.4 |

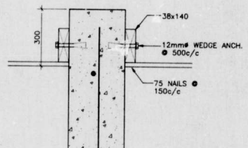


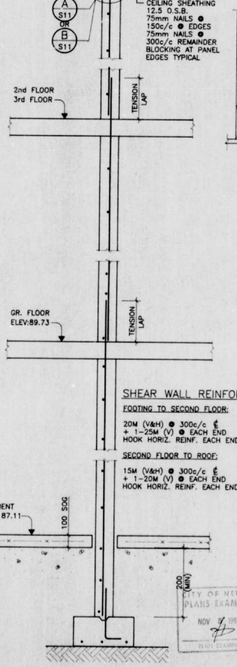



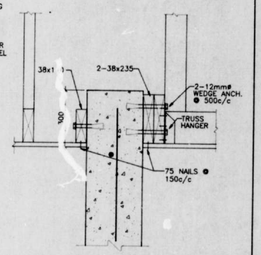


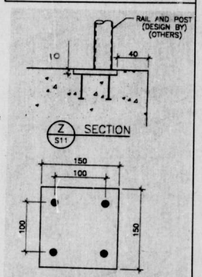


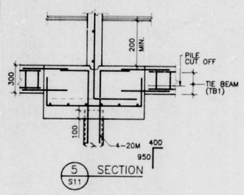


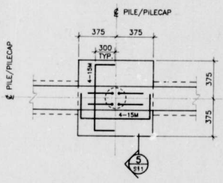



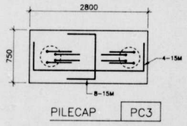



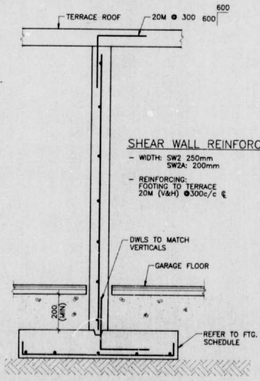



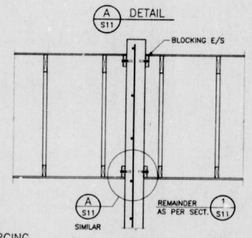

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4. DO NOT SCALE DRAWINGS.

SHEAR WALL REINFORCING

FOOTING TO SECOND FLOOR:
20M (V&H) @ 300c/c & + 1-25M (V) @ EACH END HOOK HORIZ. REINF. EACH END

SECOND FLOOR TO ROOF:
15M (V&H) @ 300c/c & + 1-20M (V) @ EACH END HOOK HORIZ. REINF. EACH END

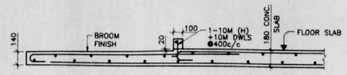
| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21-09-98 |

MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4508 FAX (613)226-4956

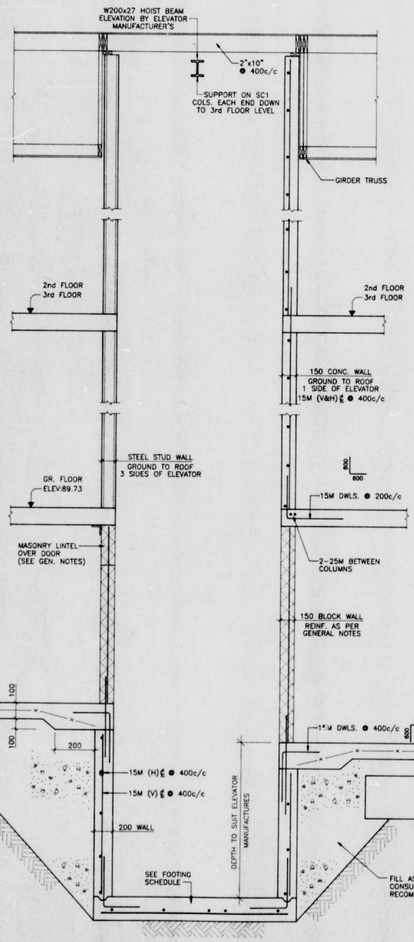
CITY OF NEPEAN PLANS EXAMINED NOV 4 1998

| | |
|---|---|
| Project | MERIDIAN AT CENTERPOINT |
| Client | BARRY J. HOBIN ASSOC. AND ARCHITECTS |
| Drawing | SCHEDULES, SECTIONS & DETAILS |
| Date | 21-09-98 |
| Drawn | S.C/ T.S |
| Checked | P.G |
| Scale | AS SHOWN |
| Project No. | 98-100 |
| Drawing No. | S-11 |
| Rev. | 3 |

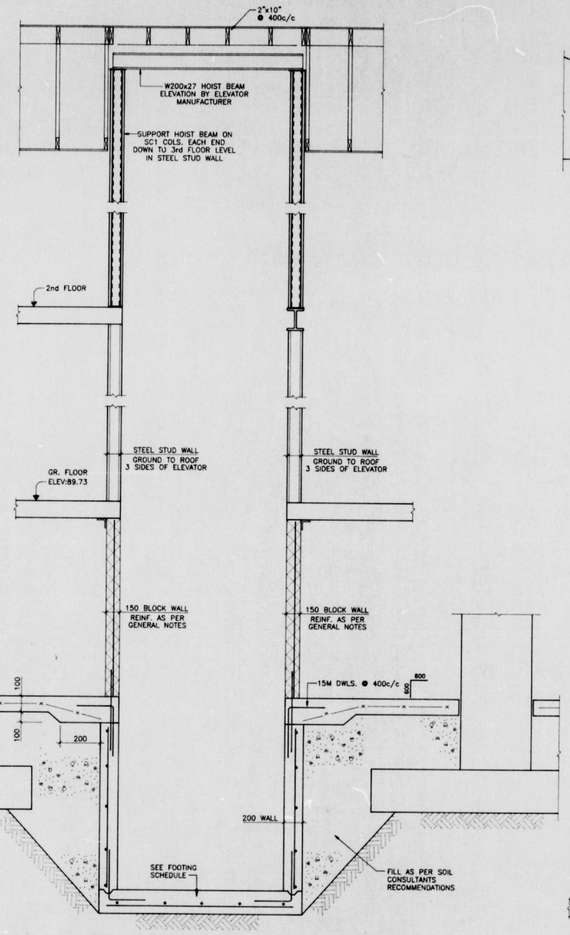
P.A.GOODEVE
PROFESSIONAL ENGINEER PROVINCE OF ONTARIO




5 / S12 SECTION
BALCONY SLAB




1 / S12 SECTION

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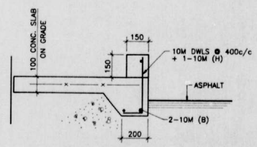
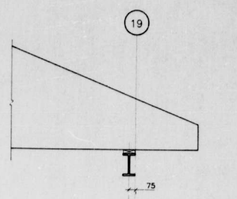
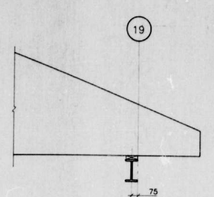
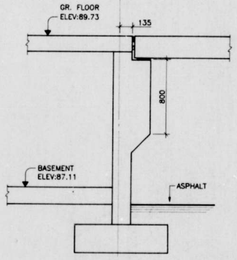


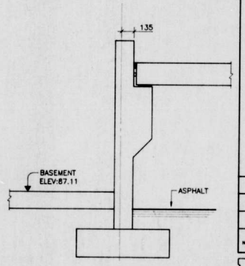

4 / S12 SECTION




6 / S12 SECTION




7 / S12 SECTION

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4. DO NOT SCALE DRAWINGS.

| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 05.10.98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

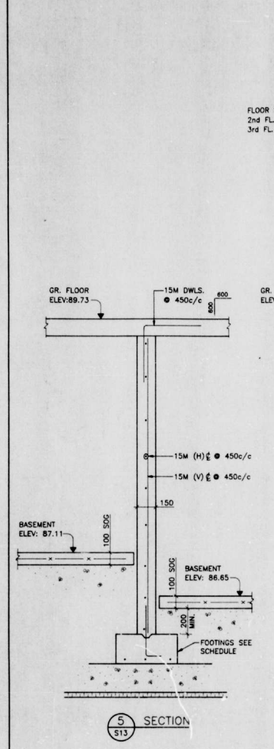
CITY OF NEPEAN PLANS EXAMINED NOV. 4 1998 PLANS EXAMINER

MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4959

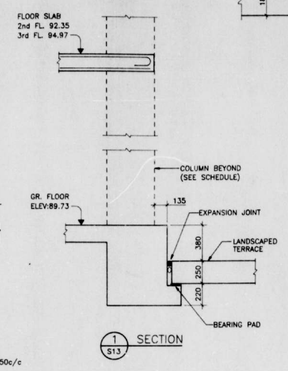
Project: MEDRIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN ARCH. AND ASSOC.
Drawing: SECTIONS

PROFESSIONAL ENGINEER P.A.GOODEVE PROVINCE OF ONTARIO

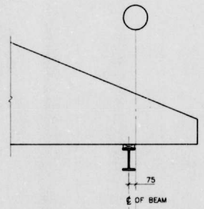
Date: 21-09-98
Drawn: T.S./S.C.
Checked: P.G.
Scale: SCALE 1:20
Project No.: 98-100
Drawing: S-12
Rev.: 3

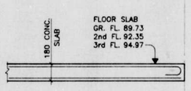


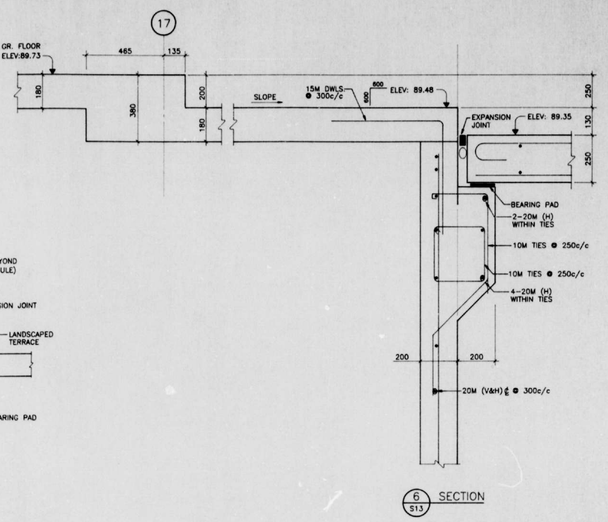

5 / S13 SECTION



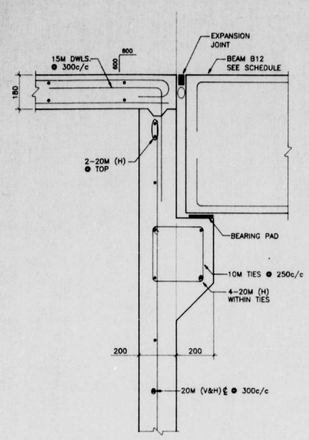

1 / S13 SECTION



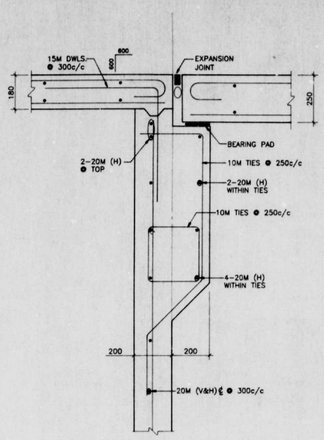




6 / S13 SECTION




7 / S13 SECTION

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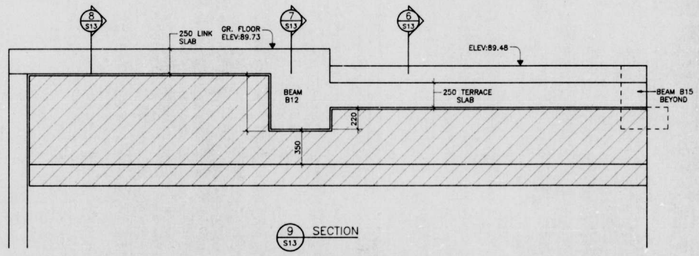
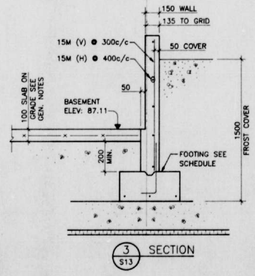
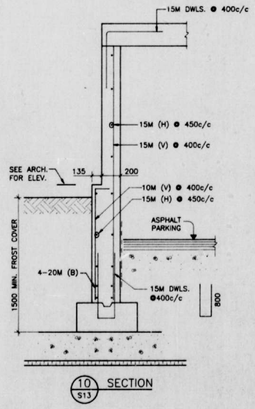



9 / S13 SECTION

CORBEL AND BEAM ELEVATION




3 / S13 SECTION

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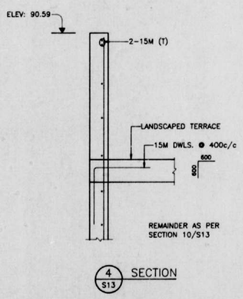
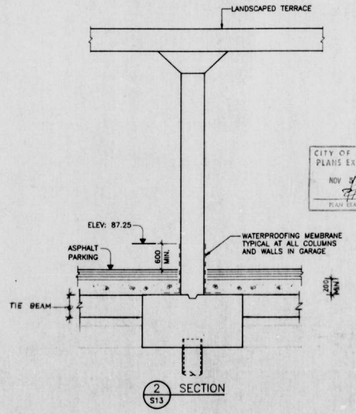



4 / S13 SECTION

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| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 05.10.98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

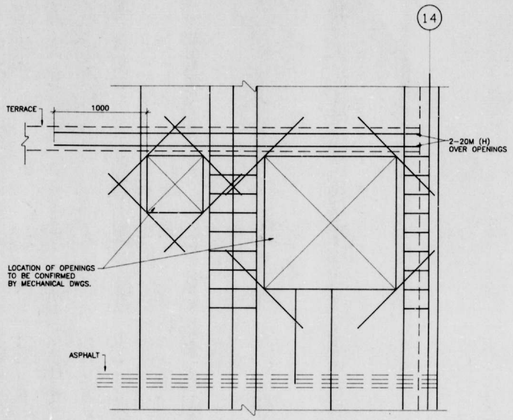
CITY OF NEPEAN PLANS EXAMINED NOV 4 1998 PLAN EXAMINER

MANHIRE ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)228-4558 FAX (613)226-4990

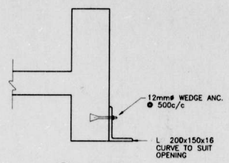
Project: MEDRIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: SECTIONS

LICENCE P.A. GOODEVE PROVINCE OF ONTARIO

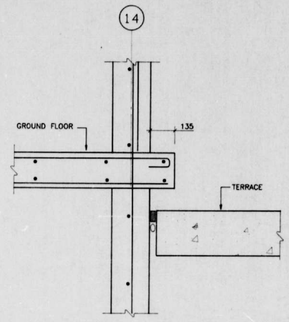
| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | SCALE 1:20 |
| Project No. | 98-100 |
| Drawing | S-13 |
| Rev. | 3 |



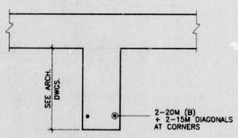

1 / S14 WALL ELEVATION



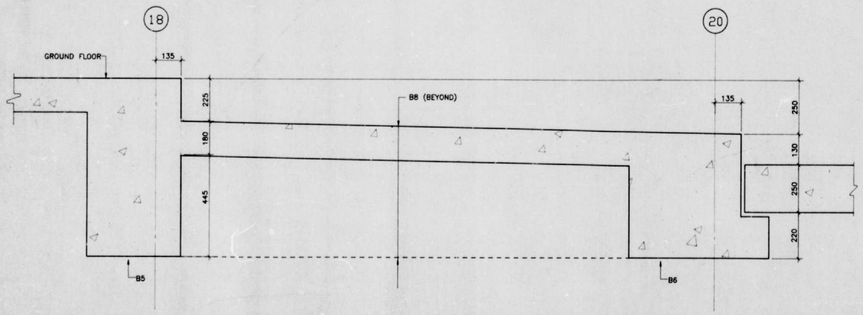

3 / S14 SECTION



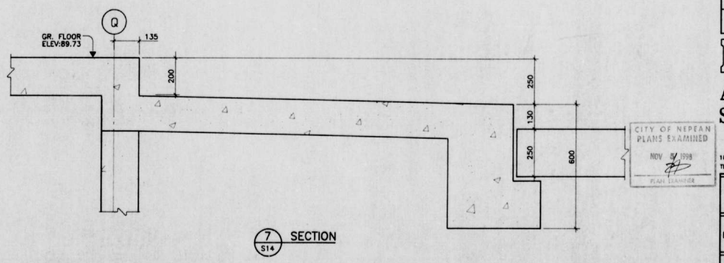

4 / S14 SECTION




5 / S14 SECTION




6 / S14 SECTION

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| NO. | REVISION | DATE |
|---|---|---|
| 3 | ISSUED FOR CONSTRUCTION | 10.05.98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

CITY OF NEPEAN PLANS EXAMINED NOV 04 1998 PLANS EXAMINER

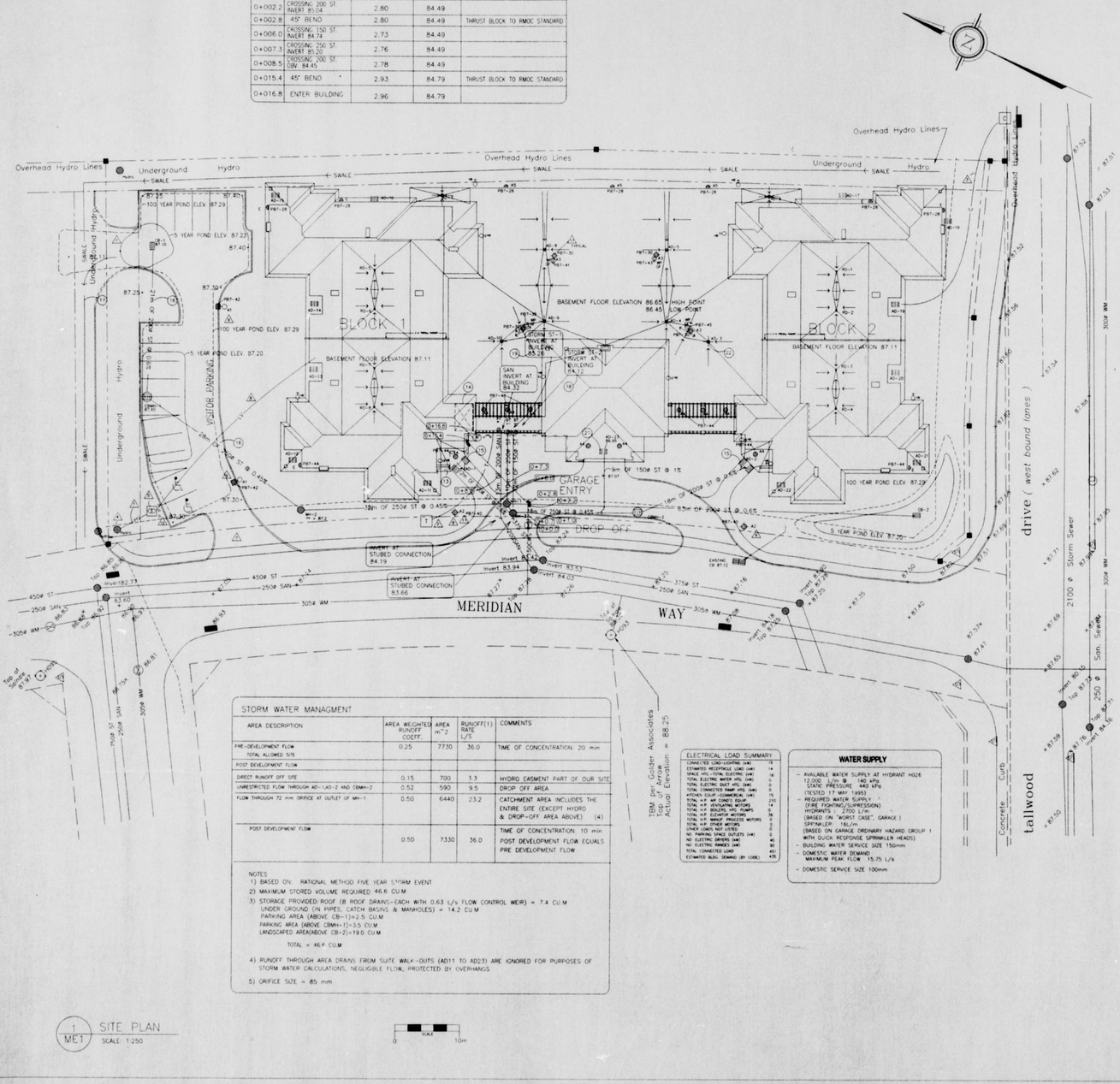
MANHIRE ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4959

Project: MEDRIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECT
Drawing: SECTIONS

P.A.GOODEVE — LICENSED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | SCALE 1:20 |
| Project No. | 98-100 |
| Drawing | S-14 |
| Rev. | 3 |

| COLD WATER SERVICE PROFILE TABLE | | | | |
|---|---|---|---|---|
| STATION | DESCRIPTION | DEPTH OF COVER | TOP OF PIPE | COMMENTS |
| 0+000 | 45° BEND | 2.23 | 84.99 | THRUST BLOCK TO RMOC STANDARD |
| 0+000.7 | 45° BEND | 2.73 | 84.49 | THRUST BLOCK TO RMOC STANDARD |
| 0+001.0 | CROSSING 250 ST. INVERT 85.14 | 2.80 | 84.49 | |
| 0+002.2 | CROSSING 200 ST. INVERT 85.04 | 2.80 | 84.49 | |
| 0+002.8 | 45° BEND | 2.80 | 84.49 | THRUST BLOCK TO RMOC STANDARD |
| 0+006.0 | CROSSING 150 ST. INVERT 84.74 | 2.73 | 84.49 | |
| 0+007.3 | CROSSING 250 ST. INVERT 85.20 | 2.76 | 84.49 | |
| 0+008.5 | CROSSING 200 ST. OBV. 84.45 | 2.78 | 84.49 | |
| 0+015.4 | 45° BEND | 2.93 | 84.79 | THRUST BLOCK TO RMOC STANDARD |
| 0+016.8 | ENTER BUILDING | 2.96 | 84.79 | |




1 / ME1 SITE PLAN
SCALE: 1:250

| STORM WATER MANAGMENT | | | | |
|---|---|---|---|---|
| AREA DESCRIPTION | AREA WEIGHTED RUNOFF COEFF. | AREA m^2 | RUNOFF(1) RATE L/S | COMMENTS |
| PRE-DEVELOPMENT FLOW<br>TOTAL ALLOWED SITE | 0.25 | 7730 | 36.0 | TIME OF CONCENTRATION: 20 min |
| POST DEVELOPMENT FLOW | | | | |
| DIRECT RUNOFF OFF SITE | 0.15 | 700 | 3.3 | HYDRO EASMENT PART OF OUR SITE |
| UNRESTRICTED FLOW THROUGH AD-1,AD-2 AND CBMH-2 | 0.52 | 590 | 9.5 | DROP OFF AREA |
| FLOW THROUGH 72 mm ORIFICE AT OUTLET OF MH-1 | 0.50 | 6440 | 23.2 | CATCHMENT AREA INCLUDES THE ENTIRE SITE (EXCEPT HYDRO & DROP-OFF AREA ABOVE) (4) |
| POST DEVELOPMENT FLOW | 0.50 | 7330 | 36.0 | TIME OF CONCENTRATION: 10 min<br>POST DEVELOPMENT FLOW EQUALS PRE DEVELOPMENT FLOW |

NOTES
1) BASED ON: RATIONAL METHOD FIVE YEAR STORM EVENT
2) MAXIMUM STORED VOLUME REQUIRED: 46.6 CU.M
3) STORAGE PROVIDED: ROOF (@ ROOF DRAINS)=EACH WITH 0.63 L/s FLOW CONTROL WEIR) = 7.4 CU.M
UNDER GROUND (IN PIPES, CATCH BASINS & MANHOLES) = 14.2 CU.M
PARKING AREA (ABOVE CB-1)=2.5 CU.M
PARKING AREA (ABOVE CBMH-1)=3.5 CU.M
LANDSCAPED AREA(ABOVE CB-2)=19.0 CU.M
TOTAL = 46.6 CU.M
4) RUNOFF THROUGH AREA DRAINS FROM SUITE WALK-OUTS (AD11 TO AD23) ARE IGNORED FOR PURPOSES OF STORM WATER CALCULATIONS, NEGLIGIBLE FLOW, PROTECTED BY OVERHANGS
5) ORIFICE SIZE = 85 mm

| ELECTRICAL LOAD SUMMARY | |
|---|---|
| CONNECTED LOAD-LIGHTING (kW) | 78 |
| ESTIMATED RECEPTACLE LOAD (kW) | 14 |
| SPACE HTG.-TOTAL ELECTRIC (kW) | 18 |
| TOTAL ELECTRIC WATER HTG. (kW) | 0 |
| TOTAL ELECTRIC DUCT HTG. (kW) | 0 |
| TOTAL A/C RESIDENTIAL (kW) | 15 |
| KITCHEN EQUIP.-COMMERCIAL (kW) | 15 |
| TOTAL H.P. AIR CONDTG EQUIP. | 210 |
| TOTAL H.P. VENTILATING MOTORS | 14 |
| TOTAL H.P. BOILERS, HTG. PUMPS | 0 |
| TOTAL H.P. DOMESTIC PUMPS | 15 |
| TOTAL H.P. MISCELLANEOUS MOTORS | 0 |
| TOTAL H.P. OTHER MOTORS | 0 |
| OTHER LOADS NOT LISTED | 0 |
| NO. PARKING SPACE OUTLETS (kW) | 0 |
| NO. ELECTRIC DRYERS (kW) | 40 |
| NO. ELECTRIC RANGES (kW) | 90 |
| TOTAL CONNECTED LOAD | 451 |
| ESTIMATED BLDG. DEMAND (BY CODE) | 435 |

**WATER SUPPLY**

- AVAILABLE WATER SUPPLY AT HYDRANT H026
  12,000 L/m @ 140 kPg
  STATIC PRESSURE 440 kPg
  (TESTED 17 MAY 1995)
- REQUIRED WATER SUPPLY
  (FIRE FIGHTING/SUPPRESSION)
  HYDRANTS : 2700 L/m
  (BASED ON "WORST CASE", GARAGE )
  SPRINKLER: 16L/m
  (BASED ON GARAGE ORDINARY HAZARD GROUP 1 WITH QUICK RESPONSE SPRINKLER HEADS)
- BUILDING WATER SERVICE SIZE 150mm
- DOMESTIC WATER DEMAND
  MAXIMUM PEAK FLOW 15.75 L/s
- DOMESTIC SERVICE SIZE 100mm

**LEGEND**

| NEW | EXISTING | |
|---|---|---|
| —SAN— | —SAT— | SANITARY SEWER |
| —ST— | —ST— | STORM SEWER |
| —CWS— | —CWS— | COLD WATER SERVICE |
| —HW— | —HT— | HOT WATER |
| —G— | —G— | GAS |
| —LV— | —LV— | LOW VOLTAGE ELECTRICAL SERVICE |
| —HV— | —HV— | HIGH VOLTAGE ELECTRICAL SERVICE |
| —E— | —E— | FEEDER OR BRANCH CIRCUIT |
| —T— | —T— | TELEPHONE, 100 mm CONDUIT |
| —C— | —C— | CABLE, 100 mm CONDUIT |
| | | GAS METER |
| | | FIRE HYDRANT |
| | | MANHOLE |
| | | CB CATCH BASIN/ AD AREA DRAIN |
| | | MANHOLE/CATCH BASIN |
| | | CURB STOP |
| | | VALVE BOX |
| | | VALVE & CHAMBER |
| | | HOSE BIBB |
| | | WALL MOUNTED SIAMESE CONNECTION |
| | | ROOF DRAIN |
| | | REMOTE WATER METER READOUT |
| | | PAD MOUNT TRANSFORMER |
| | | POST TOP LUMINAIRE |
| | | LIGHTING BOLLARD |
| | | WALL MOUNTED LUMINAIRE |
| | | SUPPLY LIGHT |
| | | EXISTING ELEVATION |
| | | NEW ELEVATION |
| | | UTILITY POLE |
| | | CABLE TV PEDESTAL |
| | | BELL TELEPHONE PEDESTAL |
| | | REMOVED OR TO BE REMOVED |

**ELECTRICAL NOTES**

1. CONCRETE ENCASED DUCT BANK TO HYDRO MANHOLE, 12 ø 100mm PVC DUCTS, REFER TO HYDRO DETAILS
2. EXTEND 100mm PVC TO LOT LINE FOR TEL SERVICE. NEW PEDESTAL BY BELL
3. EXTEND 100mm PVC TO LOT PEDESTAL FOR TV SERVICE
4. EXISTING HYDRO MANHOLE
5. NEW PAD MOUNT TRANSFORMER. CONCRETE PAD, FOOTINGS, BOLLARDS AND DRAINAGE BY GENERAL CONTRACTOR. GROUNDING AND SECONDARY WIRING BY DIV 16
6. SEE ELECTRICAL SPECIFICATIONS FOR LIGHT FIXTURE DETAILS
7. CONCRETE ENCASE EXISTING UNDERGROUND SERVICES UNDER PAVED AREAS
8. CONCRETE ENCASE UNDERGROUND SECONDARY WIRING UNDER PAVED AREAS. (TYPICAL)
9. EXTEND 32mm RIGID PVC FROM POST TOP UNDER SLAB TO ELECTRICAL ROOM FOR WIRING BY DIV 16. CONCRETE POST TOP BASE DOWN TO FROST LEVEL BY GENERAL CONTRACTOR
10. PROVIDE CONCRETE FILLED STEEL BOLLARDS FOR PROTECTION OF TRANSFORMER. INSTALL TO HYDRO STANDARDS.
11. REFER TO LANDSCAPE DRAWINGS FOR EXACT LOCATION OF LIGHT FIXTURES.

**MECHANICAL NOTES**

1. LOCATIONS, INVERTS, ELEVATIONS & SIZES OF EXISTING SERVICES SHOWN ON THIS PLAN ARE FROM AVAILABLE INFORMATION & ARE TO BE VERIFIED BY CONTRACTOR BEFORE CONNECTING ANY WORK. REPORT ANY DISCREPANCIES TO ENGINEER.
2. REINSTATE MUNICIPAL PROPERTIES (LANDSCAPING, SIDEWALKS ETC. TO MUNICIPAL STANDARDS.
3. PROVIDE MINIMUM 2.4 METERS COVER OVER NEW BURIED COLD WATER SERVICE & 1.8 METRES OVER SEWERS OR PROVIDE INSULATION TO RMOC STANDARDS
4. PROVIDE THRUST BLOCKS, TO RMOC STANDARDS AND SPECIFICATIONS, AT ALL VALVES, TEES, CAPS, BENDS, REDUCERS AND HYDRANTS.
5. CONNECTION TO MAIN BY RMOC CONTRACTOR SHALL PROVIDE EXCAVATION, BACKFILL AND REINSTATEMENT.
6. NEW SANITARY DRAINAGE PIPING MATERIALS TO BE PVC SDR 35, LOCKED IN GASKET & INTEGRAL BELL SYSTEM
7. NEW STORM DRAINAGE PIPING MATERIAL TO BE PVC SDR 35, LOCKED IN GASKET & INTEGRAL BELL SYSTEM
8. ALL WATER SERVICE MATERIALS AND CONSTRUCTION METHODS TO CONFORM TO RMOC STANDARDS AND SPECIFICATIONS.
9. WATER METER SHALL BE INSTALLED AS PER RMOC #SD-30.
10. NEW GAS MAIN LOCATION TO BE CONFIRMED WITH GAS UTILITY. NOTE SUITES TO BE SEPARATELY METERED. TOTAL INSTALLED APPLIANCE CAPACITY FOR SUITES (ASSUMING 100% OF SUITES TO HAVE GAS FIRE PLACES) AND ADDITIONAL INSTALLED APPLIANCE CAPACITY FOR COMMON AREAS TO BE SHOWN ON A COMMON ELEMENT TO HAVE INDIVIDUAL GAS METER
11. PIPE BEDDING: GRANULAR A BELOW SPRING LINE TO 150 mm BELOW BOTTOM OF PIPE. GRANULAR A OR B TYPE 1 FROM SPRING LINE TO 300mm ABOVE TOP OF PIPE. PROVIDE ADDITIONAL 300mm OF COMPACTED GRANULAR B TYPE 2 BENEATH GRANULAR A BEDDING OR THICKEN GRANULAR A BEDDING WHEN LAYING PIPES ON DISTURBED SOIL.
(CLEAR CRUSHED STONE NOT TO BE USED FOR PIPE BEDDING)
BACKFILLING: SELECTED NON-FROZEN EXCAVATED MATERIAL EXCEPT AS OTHERWISE NOTED. LARGE ROCKS, ORGANIC MATERIAL, STONES, LARGE FROZEN LUMPS. COMPACTION: IN 300 mm LAYERS TO 95% STANDARD PROCTOR DENSITY. SEE ALSO SOILS REPORT & COMPLY IN ALL RESPECTS
12. CONSTRUCT IMPERVIOUS DYKES IN SERVICE TRENCHES AT MAXIMUM 15.0 m INTERVALS UP TO AS-TO COMPLETELY SEAL OFF THE END OF THE TRENCH. DRY COMPACTABLE LIGHT BROWN SILTY CLAY FROM THE SITE MAY BE USED FOR THIS PURPOSE.
13. PERIMETER WEEPING TILE ( BY GENERAL TRADES) INTO STORM SUMP IN GARAGE (GRAVITY FLOW TO STORM DRAIN PROTECTED BY BACKWATER VALVE)
(NOTE: SUBGRADE DRAINAGE ALSO TO BE PROVIDED BELOW COMPLETE BASEMENT AREA)
14. WATER SERVICE ENTRY & METER AT BASEMENT LEVEL
15. DRAINS TO BE SQUARE TOP MEDIUM DUTY 203x203 SATIN BRONZE GRATE & FRAME 150M PIPE SIZE LOCATED EITHER SIDE OF CROWNED PATH ANCON FD-330 SERIES, WITH SEDIMENT BUCKET. NO-HUB TYPE. (FOR DETAILS OF DRAINS FOR DECK ABOVE PARKING & AT SUITE PATIO REFER TO DIVISION 15 SPECIFICATIONS.)
16. RUN 100ø PERFORATED PIPE IN SAME TRENCH WITH GRANULAR MATERIAL UNDER PAVED AREA & CONNECT INTO MANHOLE-3 USING NON PERFORATED PIPE. PROVIDE BACK FLOW PREVENTER AT MANHOLE.
17. TEMPORARY SWALE UNTIL ROAD EXTENDED
18. STORM ST-2 PICKS UP PERIMETER AND SUB FLOOR WEEPING TILE & GROUND FLOOR DRAINS
19. STORM ST-1 PICKS UP AREA DRAINS ABOVE GARAGE & ROOF DRAINS
20. INCLUDE FOR CAMERA INSPECTION OF COMPLETED INSTALLATION & SUBMIT VIDEO TO ENGINEER & CITY OF NEPEAN FOR APPROVAL
21. 300x300mm HEAVY DUTY AREA DRAIN, ANCON E1800, PEDESTRIAN GRATE
22. REFER TO STRUCTURAL & LANDSCAPE DRAWINGS FOR EXACT POSITIONING OF PLANTER/AREA DRAINS

**REFER TO LANDSCAPE SITE PLAN FOR EXACT LOCATIONS OF BUILDING, ROADS, SIDEWALKS, ETC.**

CITY OF NEPEAN PLANS EXAMINED NOV 4 1998 PLAN EXAMINER

**CATCH BASIN, DRAIN & MANHOLE SCHEDULE**

| REF | TOP | SIZE & INVERT AT INLET(S) | SIZE & INVERT AT OUTLET | COMMENTS |
|---|---|---|---|---|
| CB-1 | 87.10 | N.A. | 200ø, 85.45 | |
| CB-2 | 86.60 | N.A. | 200ø, 85.4 | |
| CBMH-2 | 87.10 | 200ø, 85.32 (E) | 250ø, 85.27(SW) | |
| CBMH-2 | 86.88 | 200ø, 85.26(SE) | 250ø, 85.21(N) | |
| MH-1 | 87.29 | 250ø, 84.97(N)<br>200ø, 85.02(S)<br>250ø, 85.16(E) | 250ø, 84.85(SW) | CONTROLLED FLOW 85 mm ORIFICE |
| MH-2 | 87.30 | 250ø, 85.14 (NE) | 250ø, 85.11 (S) | |
| MH-3 | 87.29 | 200ø, ST 85.37(NE)<br>250ø ST, 84.84(NE)<br>150ø, 84.70(E)<br>250ø ST, 85.13 (E) | 375ø, 83.67 (W) | |
| AD-1 | 87.07 | N.A. | 200ø, 85.44 | |
| AD-2 | 87.07 | N.A. | 200ø, 85.37 | |

GENERAL COMMENTS
1. CONFIRM ALL DETAILS WITH LANDSCAPE PLAN & CITY INVERTS BEFORE INSTALLATION
2. AREA DRAINS IN SUITE WALKOUTS (AD11 TO AD22), TOPS SET AT 87.07 & DRAIN THROUGH BUILDING
3. AREA DRAINS ON LANDSCAPED DECK (AD3 TO AD10), SEE LANDSCAPE GRADING PLAN BUILDING

| no. | date | revision |
|---|---|---|
| 3 | 08/10/98 | MINOR REVISIONS |
| 2 | 01/10/98 | STORMWATER MANAGEMENT REVISIONS |
| 1 | 23/09/98 | ISSUED FOR PERMIT |
| 0 | 01/09/98 | ISSUED FOR SITE PLAN SUBMISSION |

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319 Catherine Street, Ottawa
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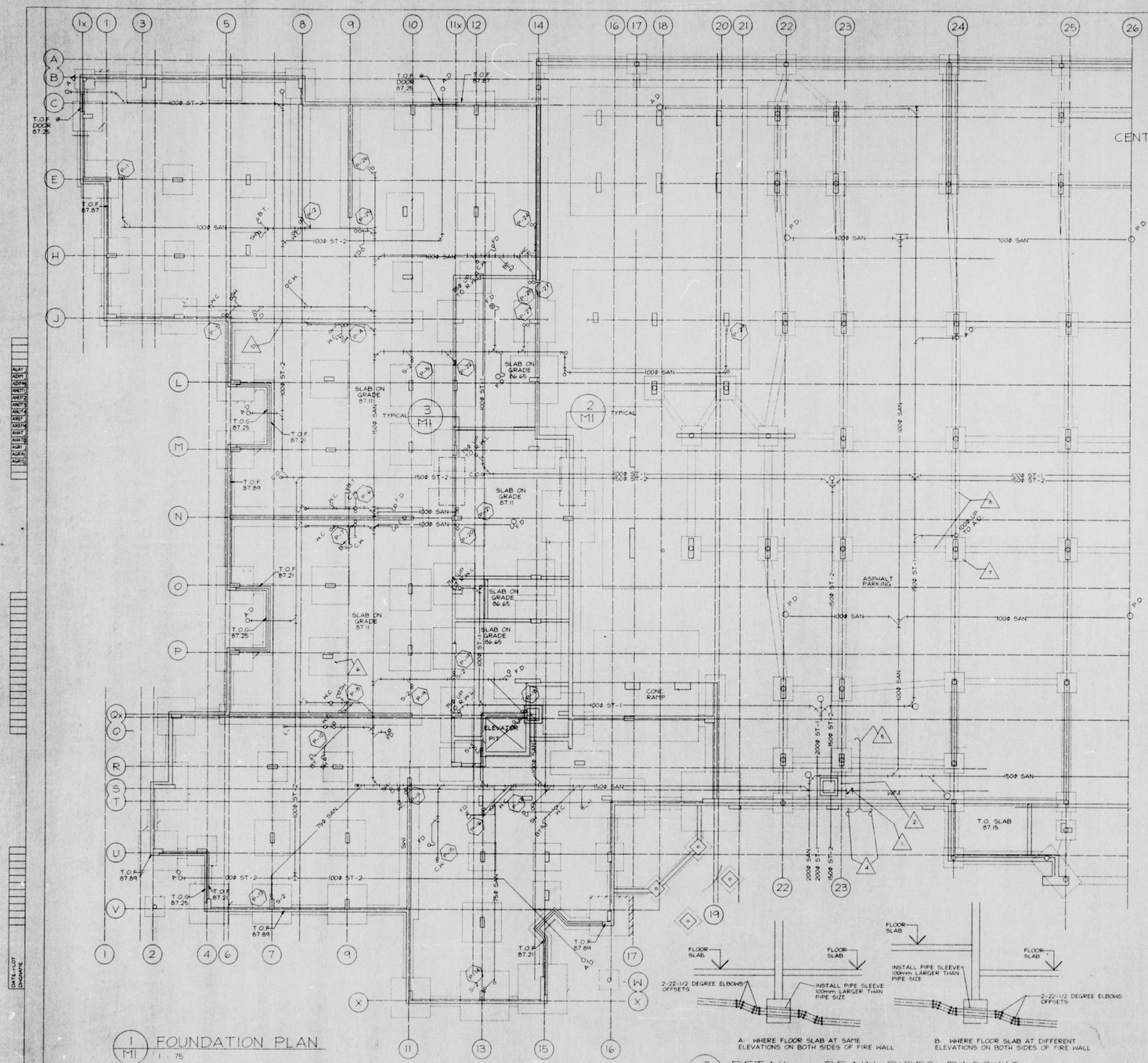
Tel: (613) 233-2758 Fax: (613) 233-5830

project: MERIDIAN At CENTREPOINTE, Nepean, Ontario
drawing title: MECHANICAL/ELECTRICAL SITE PLAN
drawn: J.B./M.T. | date: SEPT 1998 | scale: 1:250
engineer's stamp: L. JONES, 100135, PROVINCE OF ONTARIO
project: 2059
drawing no.: ME1 OF 1
NOT VALID UNLESS SIGNED & DATED.
revision no.:




1 / M1 FOUNDATION PLAN
1 : 75




3 / M1 DETAIL - DRAIN PIPES PASSING BELOW FIRE WALL N.T.S.

## NOTES

1. INSTALL BACKWATER VALVE IN SUMP PIT TO PREVENT BACKFLOW ON 150ø ST-2 CONNECTION TO WEEPING TILES.
2. 1000 x 1000 x (DEPTH TO SUIT FOUNDATION & UNDERSLAB DRAIN ELEVATIONS) STORM SUMP PIT BY GENERAL TRADES.
3. ALL BURIED DRAINS TO BE SLOPED AT 1% UNLESS OTHERWISE NOTED.
4. TO PERIMETER WEEPING TILE.
5. TO SUB FLOOR WEEPING TILE.
6. TYPICAL TOP OF FOOTING 86.76 (350mm BELOW TOP OF FLOOR SLAB AT 87.11.
7. TYPICAL TOP OF FOOTING xxxx (xxxx TO xxxx xxxx mm BELOW TOP OF SLAB AT 86.75) HIGH POINT AT 86.45 LOW POINT.
8. TYPICAL UNDERSIDE OF GRADE BEAMS xxxx (xxxx TO xxxx mm BELOW TOP OF GARAGE SLAB AT 86.65 HIGH POINT, LOW POINT 86.45.
9. STORM DRAIN ST-1 CARRIES RWL'S & DRAINS ABOVE GARAGE UNDER NO CIRCUMSTANCES CAN ANY PATIO DRAINS OR SUB-GRADE STORM PIPING (ST-2) BE CONNECTED INTO STORM ST-1
10. WALL FOOTING TO BE SLEEVED WHERE DRAIN PIPING PASSES THROUGH.

CITY OF NEPEAN PLANS EXAMINED NOV 1988

| no. | date | revision |
|---|---|---|
| 2 | 12/10/88 | ISSUED FOR TENDER |
| 1 | 23/09/88 | ISSUED FOR PERMIT |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
MECHANICAL
SUB-GRADE PLUMBING
NORTH & CENTRE BLOCK

| drawn | date | scale |
|---|---|---|
| J.S. | JULY 1988 | 1:75 |

L. JONES 100151 PROFESSIONAL ENGINEER PROVINCE OF ONTARIO
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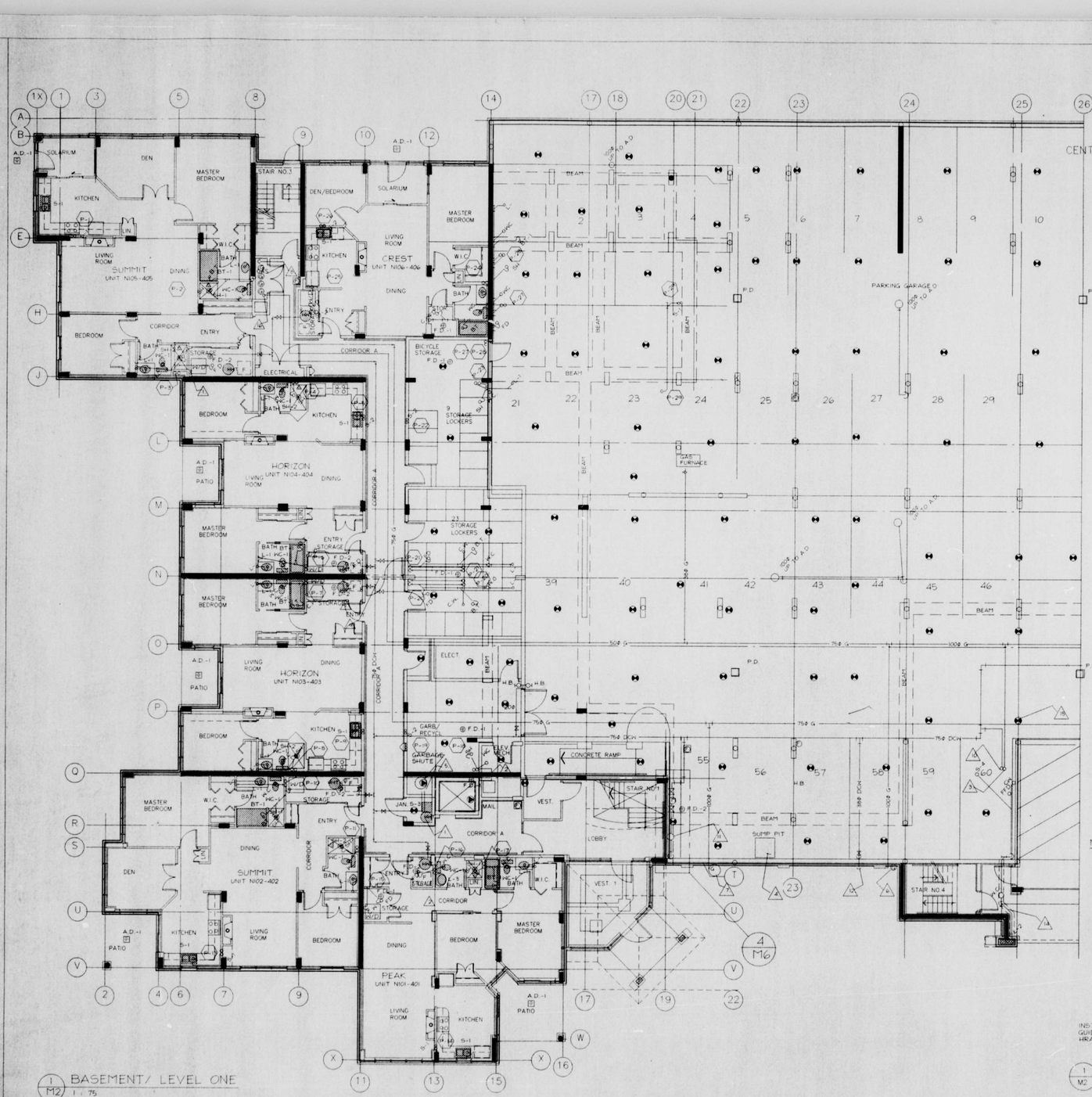
project 2069
drawing no. M1 OF 14
revision no.

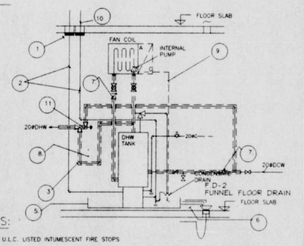



1/M2 BASEMENT/ LEVEL ONE
1 : 75

Note: Drains within Garage shall be routed to a sand/oil interceptor in accordance with OBC sentence 7.4.9.3.

## NOTES

1. PROVIDE 40 GALLON ELECTRIC DOMESTIC HOT WATER TANK MOUNT AT HIGH LEVEL ON PLYWOOD PLATFORM C/W DRAIN PAN UNDER NEATH. PIPE PRESSURE/TEMP RELIEF VALVE DOWN TO JAN SINK.
2. PROVIDE BACK WATER VALVE IN ELEVATOR SUMP PIT. PIT TO BE TRAPPED & VENTED (PIT & GAS TIGHT COVER BY GENERAL TRADES.)
3. 50Ø GAS PIPING UP TO COMMUNITY BUILDING
4. SUB-GRADE DRAINAGE SUMP PIT(BY GENERAL TRADES) FOR EXACT LOCATION SEE ARCHITECTURAL DRAWINGS. PROVIDE BACKWATER VALVE FOR INTERCONNECTION TO STORM DRAINAGE PIPING ST-2
5. 12Ø DWDH PIPING UP TO TOP OF GARBAGE CHUTE FOR WASHDOWN/SANITIZING SYSTEM.
6. GAS METER FOR COMMON AREAS (COMMUNITY BUILDING & PARKING GARAGE.)
7. GAS PRESSURE RELIEF VALVE FOR GAS METERS LOCATED WITHIN BUILDING
8. RUN 32Ø GAS SERVICE TO EACH SUITE THRU CEILING SPACE
9. SLEEVE PIPING THRU FIRE WALLS & SEAL AROUND PIPING WITH FIRE RATED NON-SETTING COMPOUND
10. 38Ø DCW PIPING UP TO COMMUNITY BUILDING
11. SPRINKLER ALARM VALVE
12. PROVIDE 38Ø VALVED & CAPPED DCW PIPING STUBBED THROUGH OUTSIDE WALL FOR (FUTURE IRRIGATION SYSTEM).
13. PROVIDE 12Ø VALVED & 32Ø SANITARY DRAIN FOR DISHWASHER HOOKUP. TYPICAL FOR ALL SUITES.
14. PROVIDE 50mm THICK PIPE INSULATION C/W VAPOUR BARRIER JACKET ON SANITARY DRAIN & VENT PIPING IN SOFFIT SPACE. (ELECTRIC HEAT TRACING CABLE BY DIVISION 16.)
15. INSULATE SPRINKLER PIPING OVER ELECTRIC HEAT TRACING CABLE TO WITHIN 2000mm OF DOOR EDGES.
16. 50Ø GAS PIPING UP TO MAKEUP AIR UNIT ON ROOF. PIPING FROM GAS METER SERVING COMMON AREAS.
17. ALL PLUMBING FIXTURES WITHIN THE SUITES TO BE AS FOLLOWS UNLESS OTHERWISE NOTED: WATER CLOSETS W.C.-1, LAVATORIES L-1, SHOWERS SH-1 & KITCHEN SINKS S-1




NOTES:
1. U.L.C. LISTED INTUMESCENT FIRE STOPS
2. 50Ø-75Ø PVC INTAKE & VENT. SIZE AS REQUIRED BY MANUFACTURES INSTRUCTIONS.
3. 12.5mm ELASTOMERIC INSULATION, EXTEND 2m ON EITHER SIDE OF (H&C) SUPPLY LINES & ON ALL PIPING SERVING FAN COIL.
4. TO DISCHARGE INTO HUB DRAIN AT LOWEST FLOOR.
5. DRAIN PAN - RAISE OFF FLOOR IF NECESSARY TO ACCOMODATE DRAINS TO FUNNEL FLOOR/HUB DRAIN.
6. 12.5Ø P.V.C. INDIRECT PAN DRAIN.
7. CHECK VALVE
8. INSULATED HEAT TRAP.
9. A/C CONDENSATE DRAIN.
10. INSULATE VENT WITH 15mm ELASTOMERIC INSULATION IN UNHEATED SPACE.
11. TEMPERING VALVE.
12. PROVIDE 2 SPEED RELAY FOR FAN TO CHANGE AUTOMATICALLY TO RUN AT MEDIUM SPEED WHEN THERMOSTAT CALLS FOR SPACE HEATING & HIGH SPEED WHEN THERMOSTAT CALLS FOR COOLING

INSTALL COMBO SYSTEMT IN STRICT ACCORDANCE WITH UNIFIED GUIDELINES CANADIAN GUIDELINEFOR INTEGRATED COMBO SYSTEMS HRAI

1/M2 COMBINATION SYSTEM PIPING SCHEMATIC N.T.S.

CITY OF NEPEAN PLANS EXAMINED NOV 8/98 PLAN EXAMINER

| no | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 23/09/98 | ISSUED FOR PERMIT |

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319 Catherine Street, Ottawa Ontario, K1R 5T4
Tel: (613) 233-2758 Fax: (613) 233-5830

project: MERIDIAN At CENTREPOINTE Nepean, Ontario

drawing title: MECHANICAL PLUMBING & FIRE PROTECTION BASEMENT/LEVEL 1 NORTH & CENTRE BLOCK

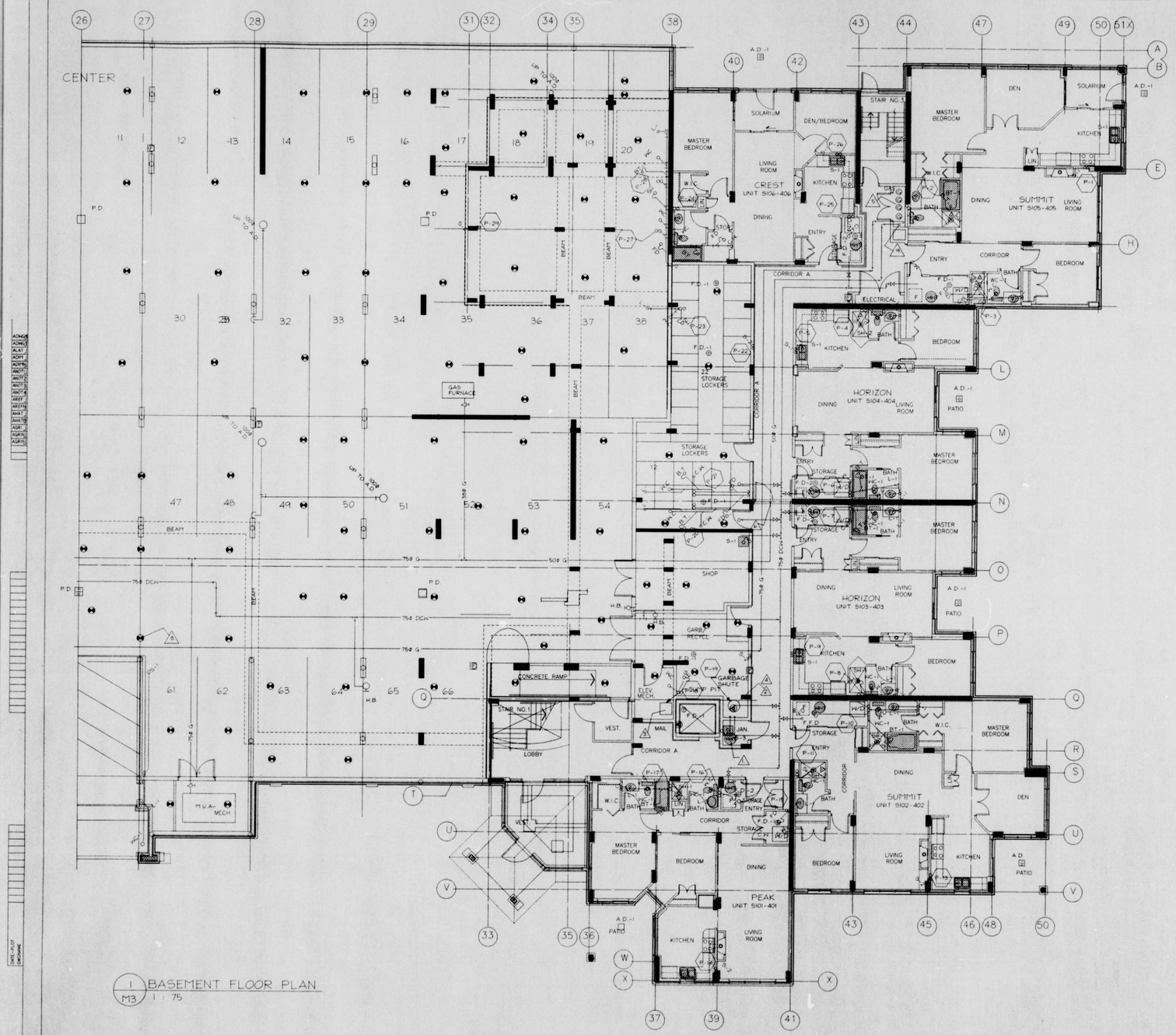
| drawn | date | scale |
|---|---|---|
| J.S. | JULY 1998 | 1:75 |

project 2069

drawing no M2 OF14

L. JONES 100161 PROVINCE OF ONTARIO — NOT VALID UNLESS SIGNED & DATED

revision no




1 BASEMENT FLOOR PLAN
M3 1 : 75

## NOTES

1. PROVIDE 40 GALLON ELECTRIC DOMESTIC HOT WATER TANK. MOUNT TANK AT HIGH LEVEL ON PLYWOOD PLATFORM C/W DRAIN PAN UNDERNEATH. PIPE PRESSURE/TEMPERATURE RELIEF VALVE DOWN TO JAN SINK.
2. 12ø DHCW PIPING UP TO TOP OF GARBAGE CHUTE FOR HASHDOWN/SANITIZING SYSTEM.
3. PROVIDE BACK WATER VALVE IN ELEVATOR SUMP PIT. PIT TO BE TRAPPED & VENTED (PIT & GAS TIGHT COVER BY GENERAL TRADES).
4. 12ø DHCW PIPING UP TO TOP OF GARBAGE CHUTE FOR HASHDOWN/SANITIZING SYSTEM.
5. RUN 32ø GAS SERVICE TO EACH SPACE THRU CEILING SPACE.
6. SLEEVE PIPING THRU FIRE WALLS & SEAL AROUND PIPING WITH FIRE RATED NON-SETTING COMPOUND.
7. PROVIDE 12ø VALVED & 32ø SANITARY DRAIN FOR DISHWASHER HOOKUP. TYPICAL FOR ALL SUITES.
8. INSULATE SPRINKLER PIPING OVER ELECTRIC HEAT TRACING CABLE TO WITHIN 200mm OF DOOR EDGES.
9. 50ø GAS PIPING UP TO MAKE-UP AIR UNIT ON ROOF. PIPING FROM GAS METER SERVING COMMON AREAS.
10. ALL PLUMBING FIXTURES WITHIN THE SUITES TO BE AS FOLLOWS UNLESS OTHERWISE NOTED: WATER CLOSETS W.C.-1; LAVATORIES L-1; SHOWERS SH-1 & KITCHEN SINKS S-1

| no. | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 23/09/98 | ISSUED FOR PERMIT |

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CITY OF NEPEAN PLANS EXAMINED NOV 1998

project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
MECHANICAL
PLUMBING & FIRE PROTECTION
BASEMENT/LEVEL 1
SOUTH & CENTRE BLOCK

| drawn | date | scale |
|---|---|---|
| J.S. | JULY 1998 | 1:75 |

project 2069

drawing no. M3 OF 14

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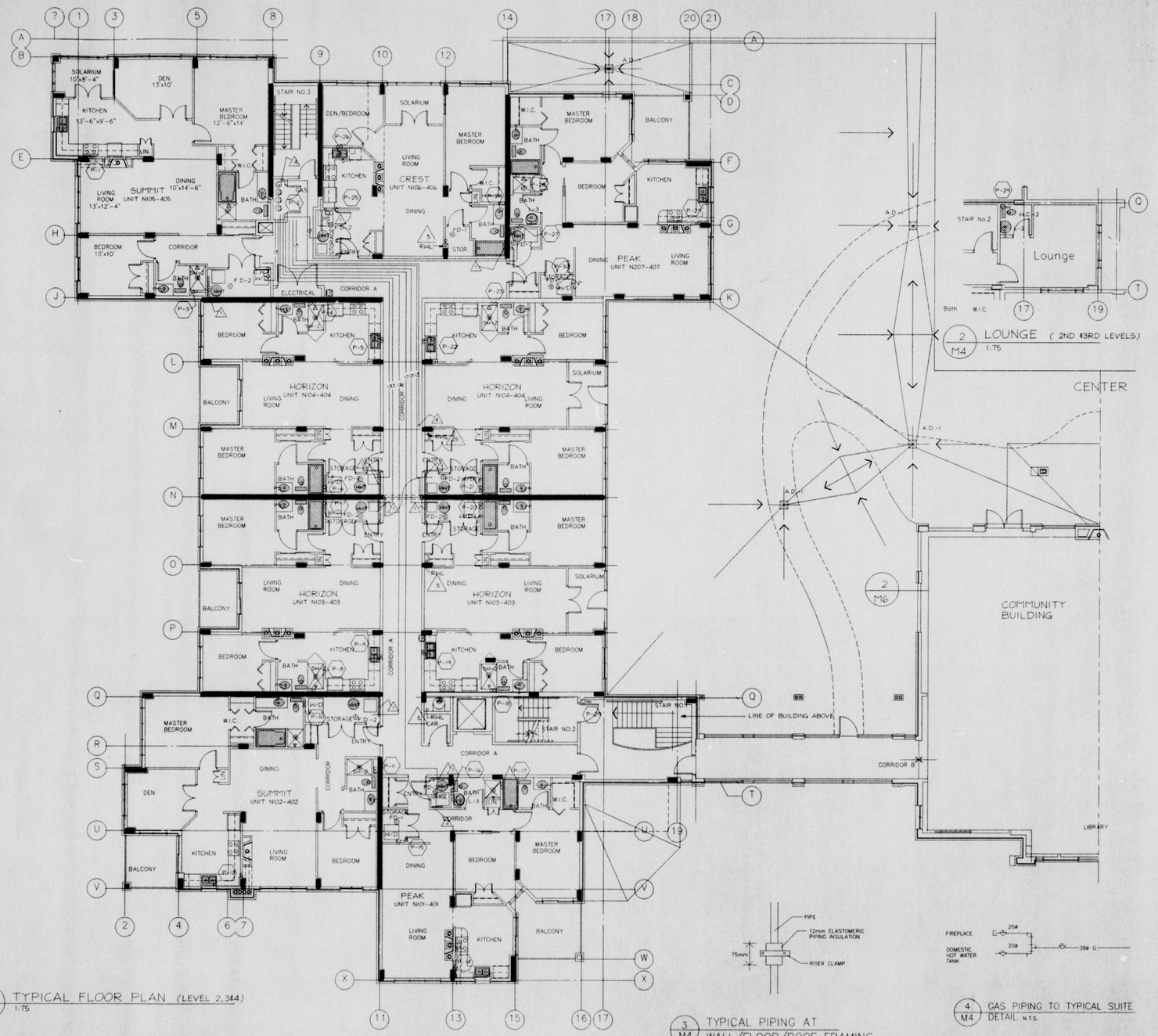
revision no.




1 / M4 TYPICAL FLOOR PLAN (LEVEL 2,3&4)
1:75

NORTH BLOCK

2 / M4 LOUNGE (2ND &3RD LEVELS)
1:75

3 / M4 TYPICAL PIPING AT WALL/FLOOR/ROOF FRAMING.
N.T.S.







4 / M4 GAS PIPING TO TYPICAL SUITE DETAIL N.T.S.

## NOTES

1. 4-75ø & 4-50ø ABS CHIMNEY & FRESH AIR INTAKE PIPES FOR DOMESTIC HOT WATER TANKS UP TO ROOF.
2. ALL PLUMBING FIXTURES WITHIN THE SUITES TO BE AS FOLLOWS UNLESS OTHERWISE NOTED: WATER CLOSETS WC-1; LAVATORIES L-1; BATHTUBS BT-1; SHOWERS SH-1 & KITCHEN SINKS S-2.
3. PROVIDE 12ø VALVED & 32ø SANITARY DRAIN FOR DISHWASHER HOOKUP. TYPICAL FOR ALL SUITES.
4. 50ø GAS PIPING UP & DOWN (FROM METER SERVING COMMON AREAS) EXTEND UP TO MAKE UP AIR UNIT ON ROOF.
5. 75ø RWL UP TO ROOF DRAIN SEE DRAWING M11 FOR LOCATIONS.

CITY OF NEPEAN PLANS EXAMINED NOV 1 1998

| no. | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 23/09/98 | ISSUED FOR PERMIT |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
MECHANICAL
PLUMBING & FIRE PROTECTION
TYPICAL FLOOR PLAN
NORTH & CENTRE BLOCK

| drawn | date | scale |
|---|---|---|
| J.S. | JULY, 1998 | 1:75 |

project 2054

drawing no. M4 OF 14

revision no.

L. JONES 1575 PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

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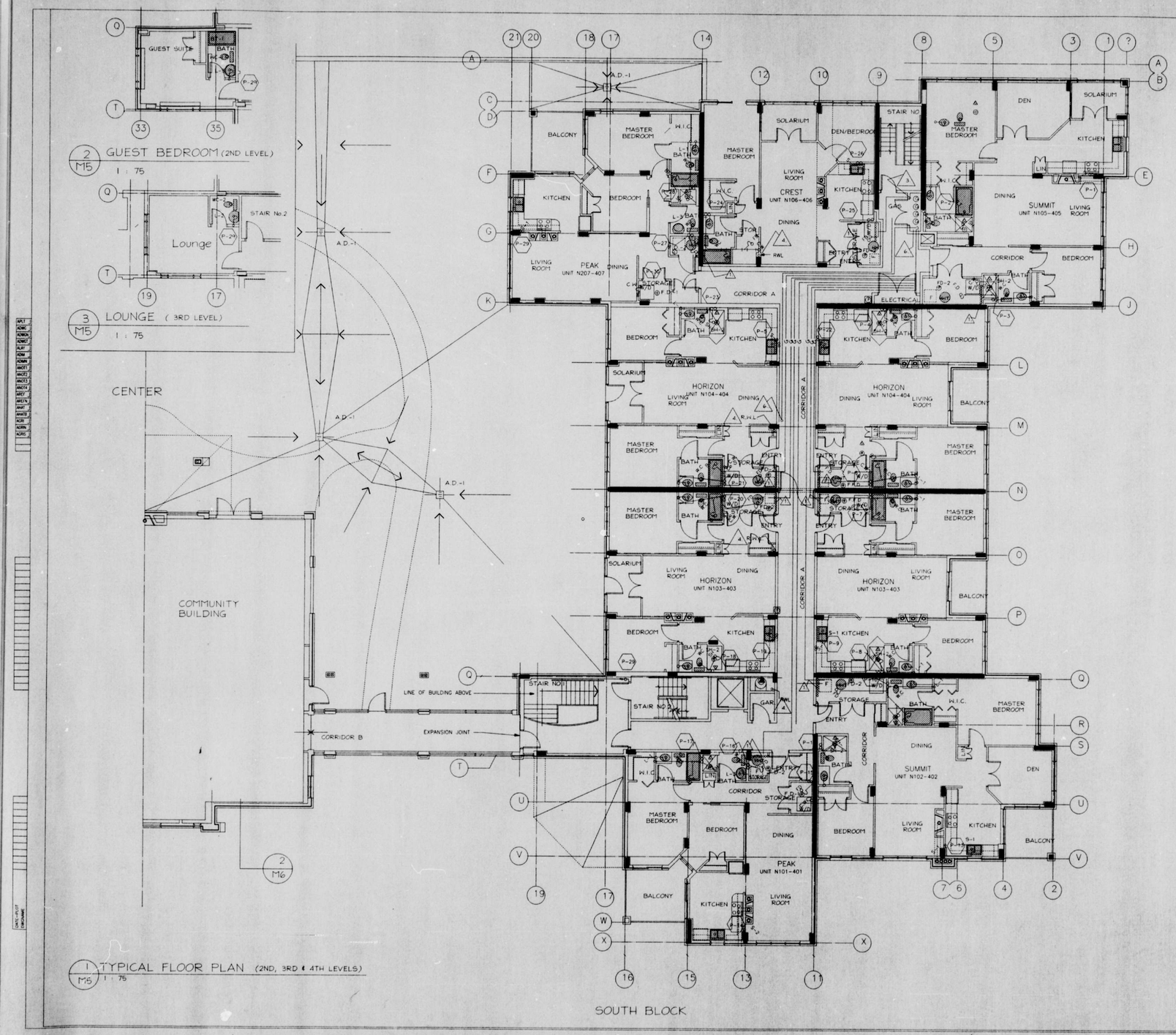


## NOTES

1. 4-75ø & 4-50ø ABS CHIMNEY & FRESH AIR INTAKE PIPES FOR (DIRECT VENT) DOMESTIC HOT WATER TANK UP TO ROOF.
2. ALL PLUMBING FIXTURES WITHIN THE SUITES TO BE AS FOLLOWS UNLESS OTHERWISE NOTED: WATER CLOSETS W.C.-1; LAVATORIES L-1; SHOWERS SH-1 & KITCHEN SINKS S-1
3. 9 GAS METERS STACKED 3 HIGH. INSTALL AS PER CONSUMERS GAS GUIDELINES.
4. 75ø RWL UP TO ROOF DRAIN SEE DRAWING M11 FOR LOCATIONS.
5. PROVIDE 12ø VALVED & 32ø SANITARY DRAIN FOR DISHWASHER HOOKUP. TYPICAL FOR ALL SUITES.
6. 50ø GAS PIPING UP & DOWN (FROM METER SERVING COMMON AREAS) EXTEND UP TO MAKE UP AIR UNIT ON ROOF.

CITY OF NEPEAN PLANS EXAMINED NOV 4 1998

| no. | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 23/09/98 | ISSUED FOR PERMIT |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
MECHANICAL
PLUMBING & FIRE PROTECTION
TYPICAL FLOOR PLAN
SOUTH & CENTRE BLOCK

| drawn | date | scale |
|---|---|---|
| J.S. | JULY 1998 | 1:75 |

project 2059
drawing no. M5 OF 14
revision no.

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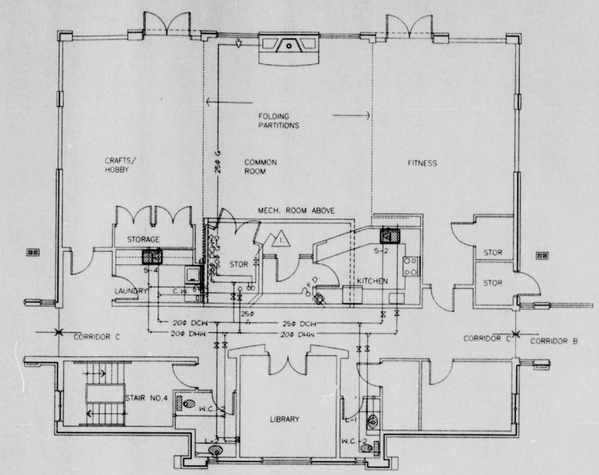
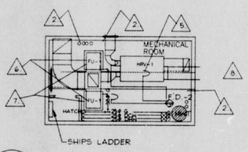


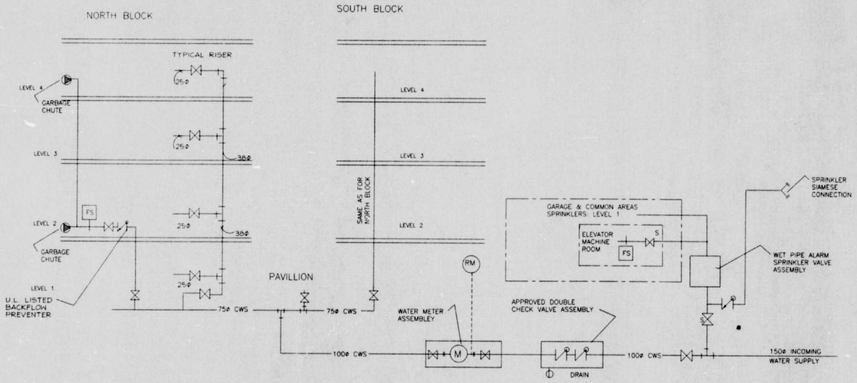

2 / M6 COMMUNITY BUILDING FLOOR PLAN
1 : 75



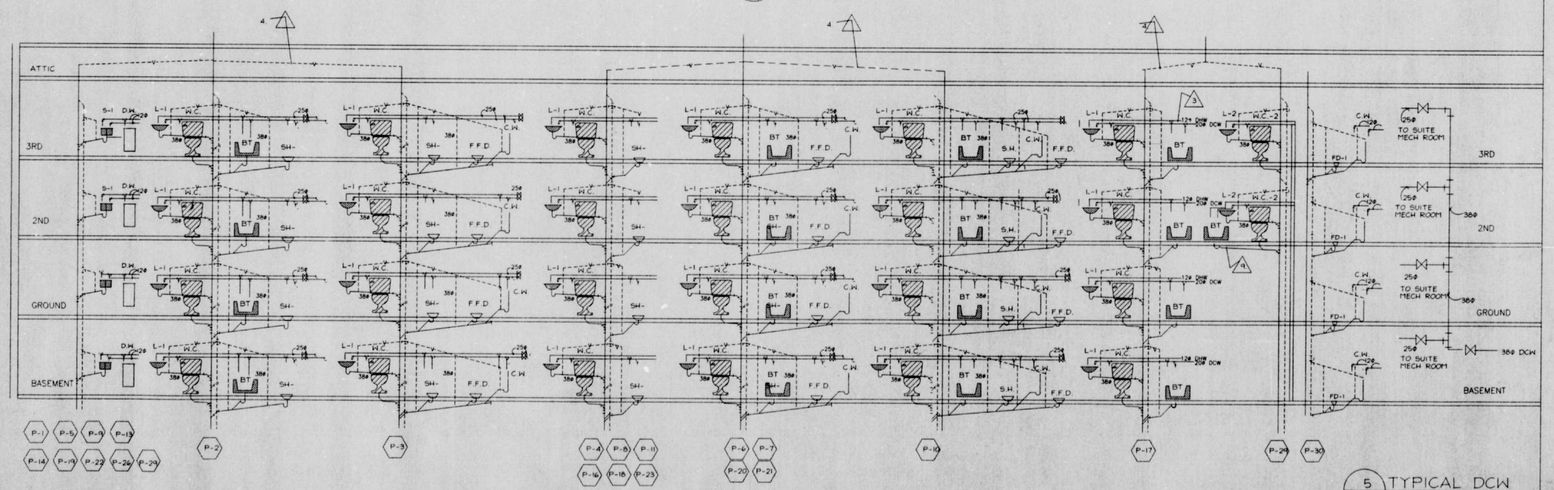

3 / M6 MECHANICAL ROOM
1 : 75

Note: Public kitchen shall be equipped with a Grease interceptor in accordance with OBC sentence 7.4.1.3

MM




4 / M6 WATER ENTRY, DISTRIBUTION & FIRE PROTECTION SCHEMATIC
N.T.S.




1 / M6 PLUMBING RISER DIAGRAM
N.T.S.

5 / M6 TYPICAL DCW RISER
N.T.S.

## NOTES

1. PROVIDE 25ø VALVED & CAPPED DCW PIPING FOR FUTURE IRRIGATION SYSTEM.
2. 75ø PVC CHIMNEY & EXHAUST PIPES UP THRU ROOF. TERMINATE AS PER MANUFACTURER'S RECOMENDATIONS. INSULATE EXHAUST PIPE THRU UNHEATED ATTIC SPACE WITH 30mm ELASTOMERIC INSULATION WITH GLUED SEAMS.
3. PROVIDE MINIMUM 20ø DCW & 12ø DHW TO EACH BATHROOM GROUP.
4. COMBINE SANITARY VENT PIPES IN ATTIC SPACE TO MINIMIZE ROOF PENETRATIONS.
5. PROVIDE 20ø TRAPPED CONDENSATE DRAIN PIPE FROM HRV & CONNECT INTO FUNNEL FLOOR DRAIN.
6. PROVIDE 20ø TRAPPED CONDENSATE DRAIN PIPE FROM FURNACE A/C COIL & CONNECT INTO FUNNEL FLOOR DRAIN WITH INDIRECT CONNECTION.
7. PROVIDE 12ø CONDENSATE (GAS) DRAIN PIPING FROM FURNACE & CONNECT INTO FUNNEL FLOOR DRAIN WITH INDIRECT CONNECTION.
8. PROVIDE 12ø CONDENSATE (GAS) DRAIN PIPING FROM DOMESTIC HOT WATER TANK & CONNECT INTO FUNNEL FLOOR DRAIN WITH INDIRECT CONNECTION.
4. BATHTUB OCCOURS ONLY ON 2ND FLOOR SOUTH BLOCK (GUEST BATHROOM).

CITY OF NEPEAN PLANS EXAMINED NOV 1 1998 PLAN EXAMINER

| no. | date | revision |
|---|---|---|
| 2 | 09/12/98 | ISSUED FOR TENDER |
| 1 | 23/09/98 | ISSUED FOR PERMIT |

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LESLIE JONES & ASSOCIATES INC.
319 Catherine Street, Ottawa Ontario, K1R 5T4
Tel: (613) 233-2758 Fax: (613) 233-5830

project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
MECHANICAL
PLUMBING & FIRE PROTECTION RISERS & DETAILS & COMMUNITY BUILDING

| drawn | date | scale |
|---|---|---|
| BB | JULY 1998 | 1:200 |

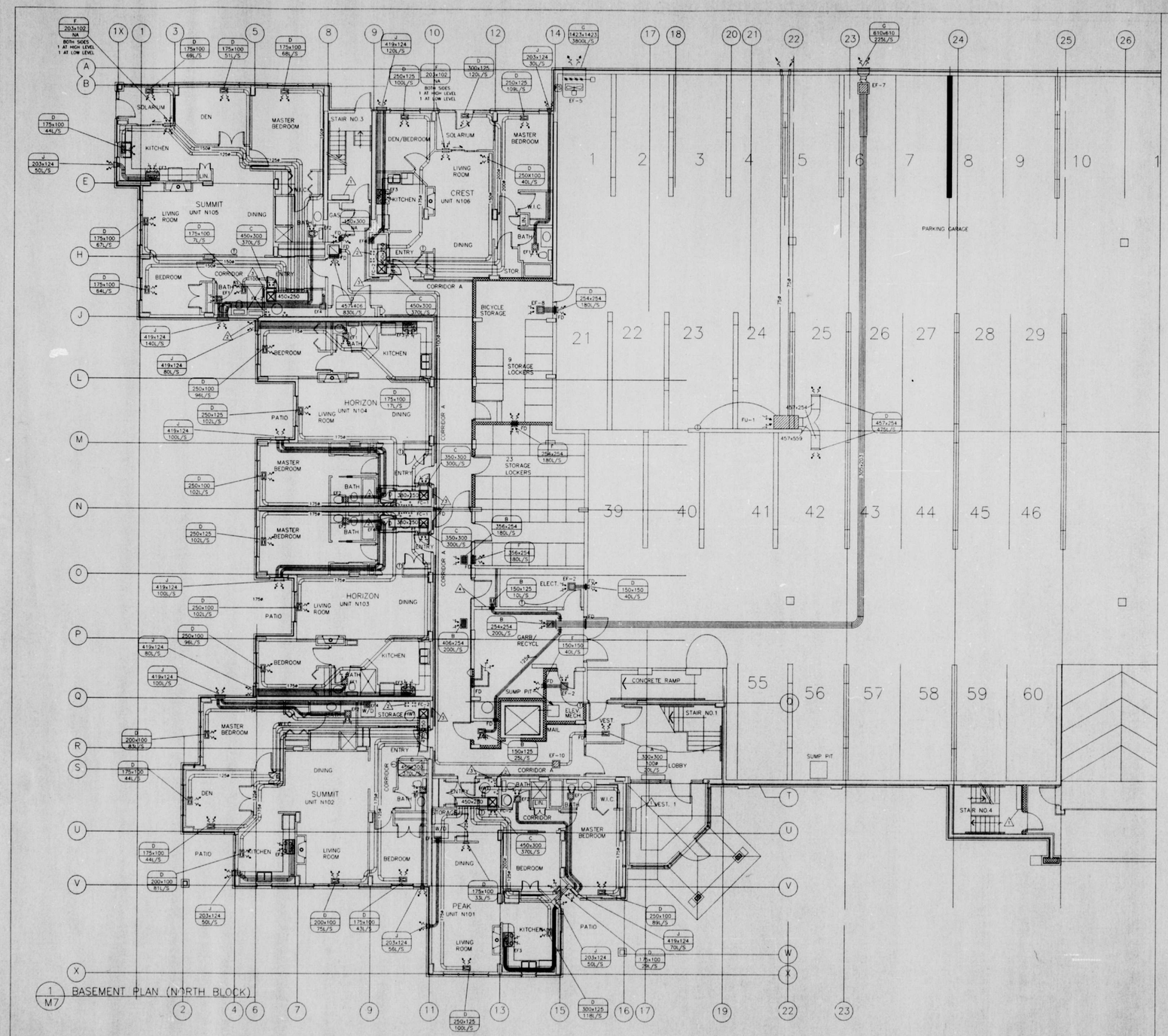
project 2597

drawing no. M6 OF 14

revision no.

L. JONES 0 1758 PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED & DATED




## NOTES:

1. ELECTRIC HEAT (DIVISION 16)
2. 4-75ø & 4-50ø ABS CHIMNEY & FRESH AIR INTAKE PIPES FOR DOMESTIC HOT WATER TANKS UP TO ROOF. INTUMESCENT FIRE STOP RINGS TO BE INSTALLED ON BOTTOM OF FLOOR AND ROOF SLABS.
3. REFERANT PIPING ROUGH-IN (TYPICAL 2 PIPES PER SUITE.)
4. GARBAGE PASS THROUGH DUCT.
5. SUITE EXHAUST DUST SIZES (SMOOTH RIGID DUCTS) TO BE 125mmø EXCEPT FOR RANGE HOOD WHICH IS TO BE 150mmø.

| no. | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 21/09/98 | ISSUED FOR PERMIT |

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319 Catherine Street, Ottawa Ontario, K1R 5T4
Tel: (613) 233-2758 Fax: (613) 233-5830

project: MERIDIAN At CENTREPOINTE Nepean, Ontario

drawing title: MECHANICAL BASEMENT NORTH & PART CENTRE BLOCK

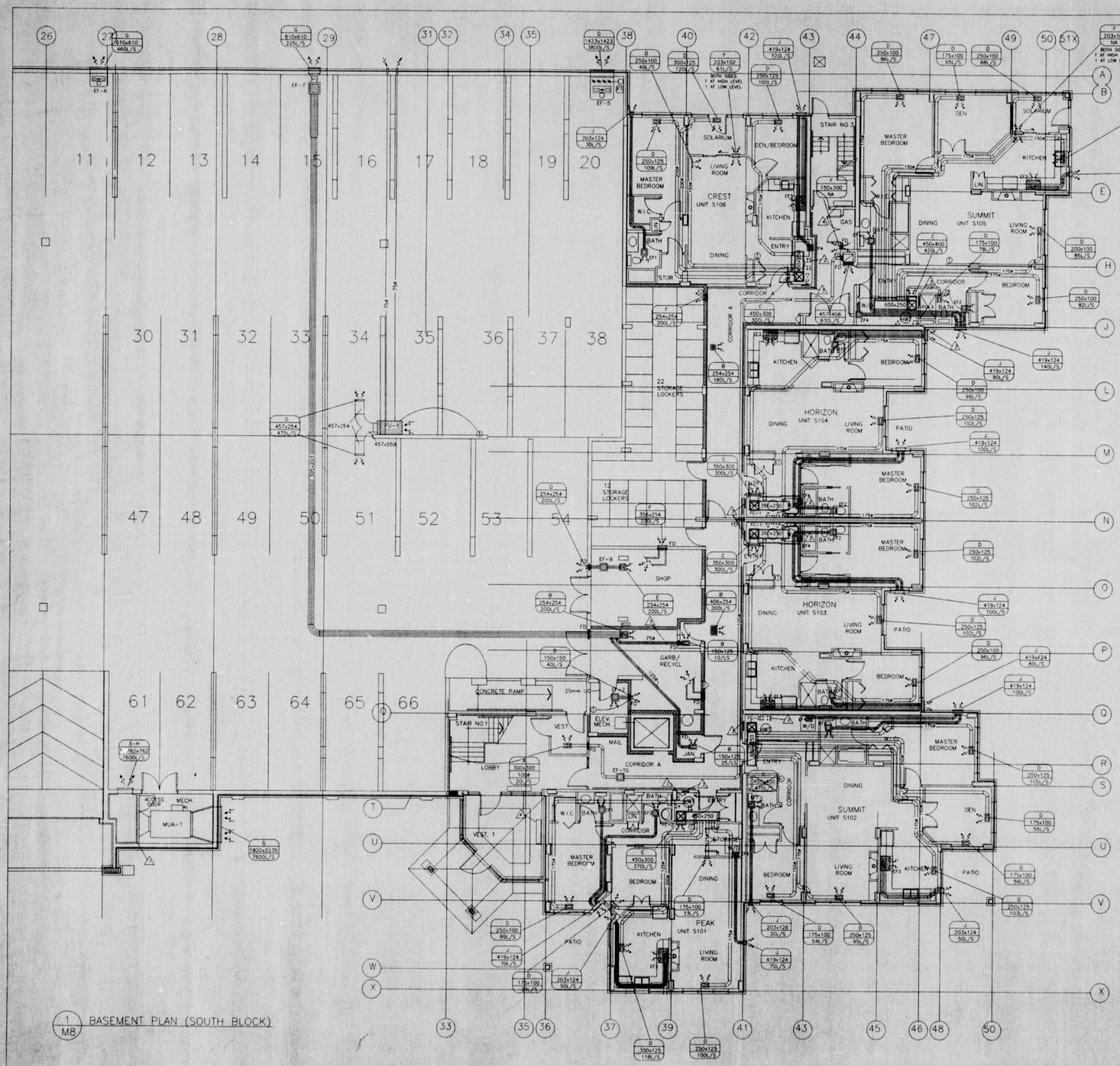
| drawn | date | scale |
|---|---|---|
| I.G. | SEPT. 1998 | 1:75 |

engineer's stamp: L. JONES 90437 REGISTERED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

project: 2059

drawing no.: M7 of 14

revision no.




## NOTES:

1. ACCOUSTICALLY INSULLATED SUPPLY AIR PLENUM.
2. 4–75ø & 4–50ø ABS CHIMNEY & FRESH AIR INTAKE PIPES FOR DOMESTIC HOT WATER TANKS UP TO ROOF. INTUMESCENT FIRE STOP RINGS TO BE INSTALLED ON BOTTOM OF FLOOR AND ROOF SLABS.
3. REFERANT PIPING ROUGH-IN (TYPICAL 2 PIPES PER SUITE.)
4. ELECTRIC HEAT (DIVISION 16)
5. GARBAGE PASS THROUGH DOOR.
6. SUITE EXHAUST DUST SIZES (SMOOTH RIGID DUCTS) TO BE 125mmø EXCEPT FOR RANGE HOOD WHICH IS TO BE 150mmø.

CITY OF NEPEAN PLANS EXAMINED NOV 1998

| no. | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
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319 Catherine Street, Ottawa
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Tel: (613) 233-2758 Fax: (613) 233-5830

project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
MECHANICAL
BASEMENT SOUTH & PART CENTRE BLOCK

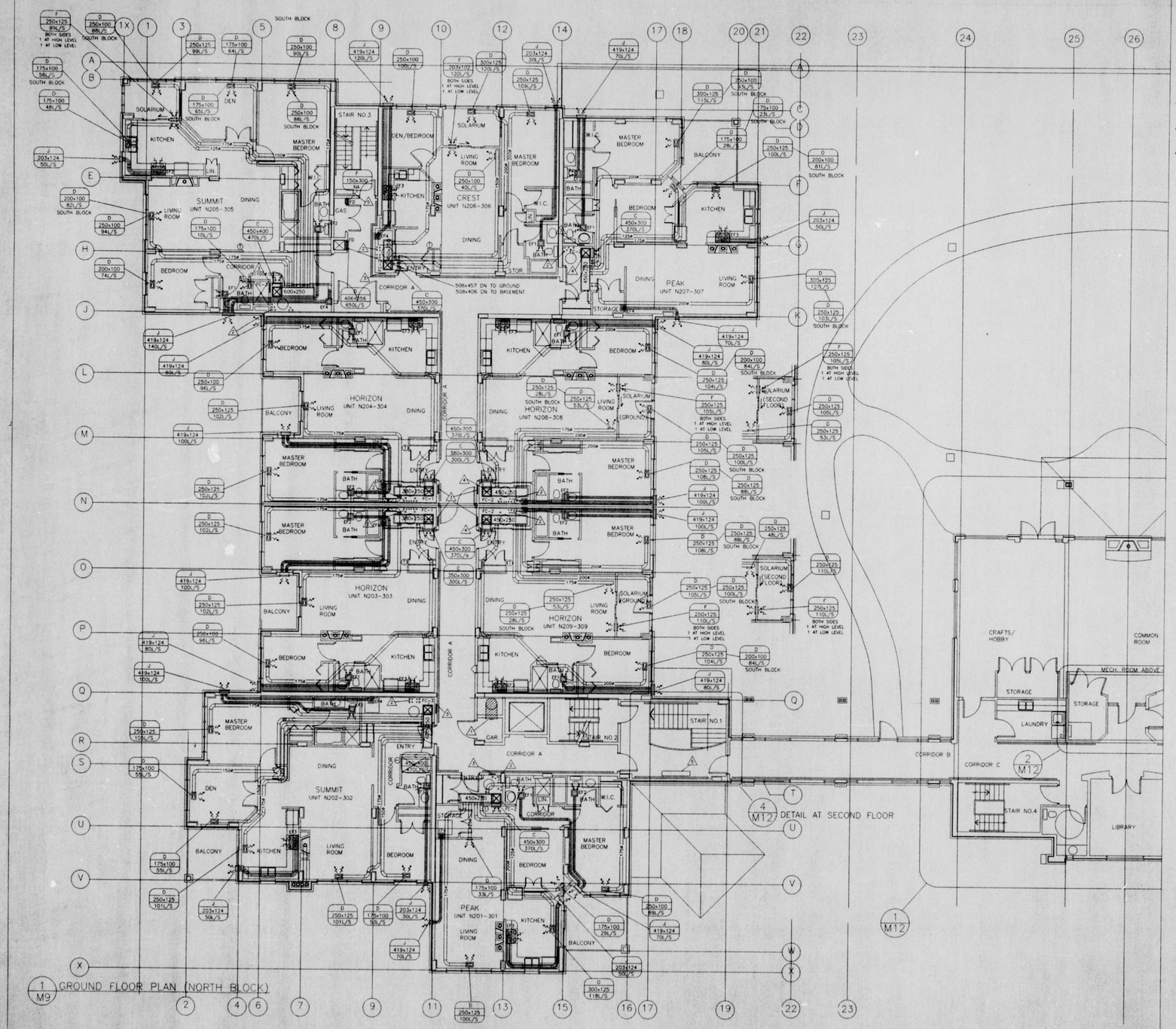
| drawn | date | scale |
|---|---|---|
| I.G. | SEPT 1998 | 1:75 |

engineer's stamp

project 2059

drawing no. M8 of 14

revision no.




## NOTES:

1. GARBAGE CHUTE.
2. GAS VENT& FRESH AIR INTAKE FOR DOMESTIC HOT WATER TANKS UP TO ROOF. INTUMESCENT FIRE STOP RINGS TO BE INSTALLED AT ALL FLOOR AND ROOF PENETRATIONS.
3. REFERANT PIPING.
4. FAN COIL UNIT TO BE FC-1 ON SOUTH BLOCK. SUPPLY TRUNK SIZE TO BE 380x250.
5. ELECTRIC HEAT (DIVISION 16)

| no. | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 21/09/98 | ISSUED FOR PERMIT |

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319 Catherine Street, Ottawa Ontario, K1R 5T4
Tel: (613) 233-2758 Fax: (613) 233-5830

project: MERIDIAN At CENTREPOINTE Nepean, Ontario

drawing title: MECHANICAL GROUND & SECOND FLOORS TYPICAL OF NORTH & SOUTH BLOCKS

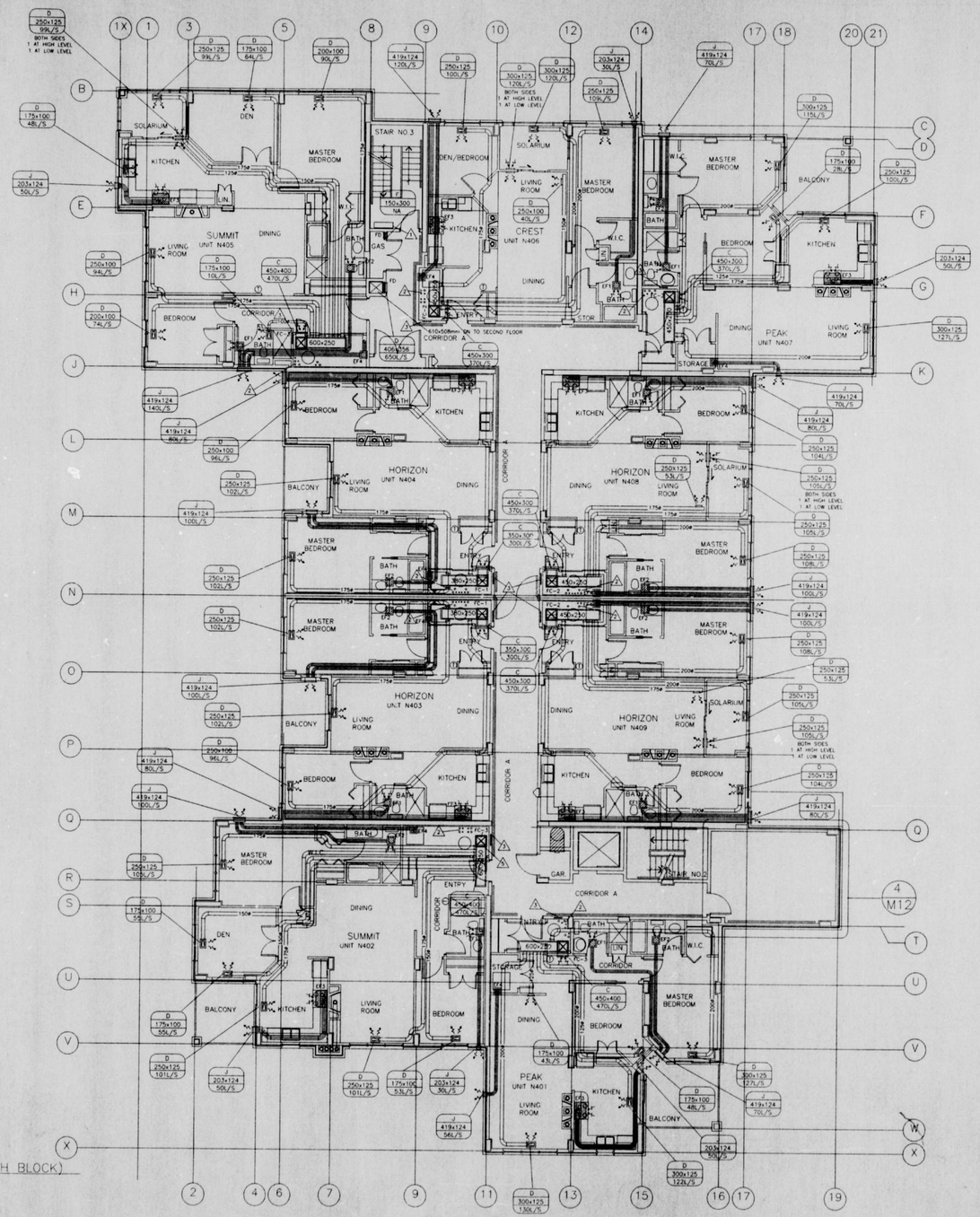
| drawn | date | scale |
|---|---|---|
| I.G. | SEPT 1998 | 1:75 |

engineer's stamp: L.T. JONES

project: 2059

drawing no.: M9 of 14

revision no.:




1 / M10 THIRD FLOOR PLAN (NORTH BLOCK)

## NOTES:

1. ELECTRIC HEAT (DIVISION 16)
2. GAS VENT& FRESH AIR INTAKE PIPES FOR DOMESTIC HOT WATER TANKS UP TO ROOF INTUMESCENT FIRE STOP RINGS TO BE INSTALLED ON BOTTOM OF FLOOR AND ROOF SLABS.
3. REFERANT PIPING.

| no | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 21/09/98 | ISSUED FOR PERMIT |

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Tel: (613) 233-2758 Fax: (613) 233-5830

project: MERIDIAN At CENTREPOINTE Nepean, Ontario

drawing title: MECHANICAL THIRD FLOOR NORTH BLOCK

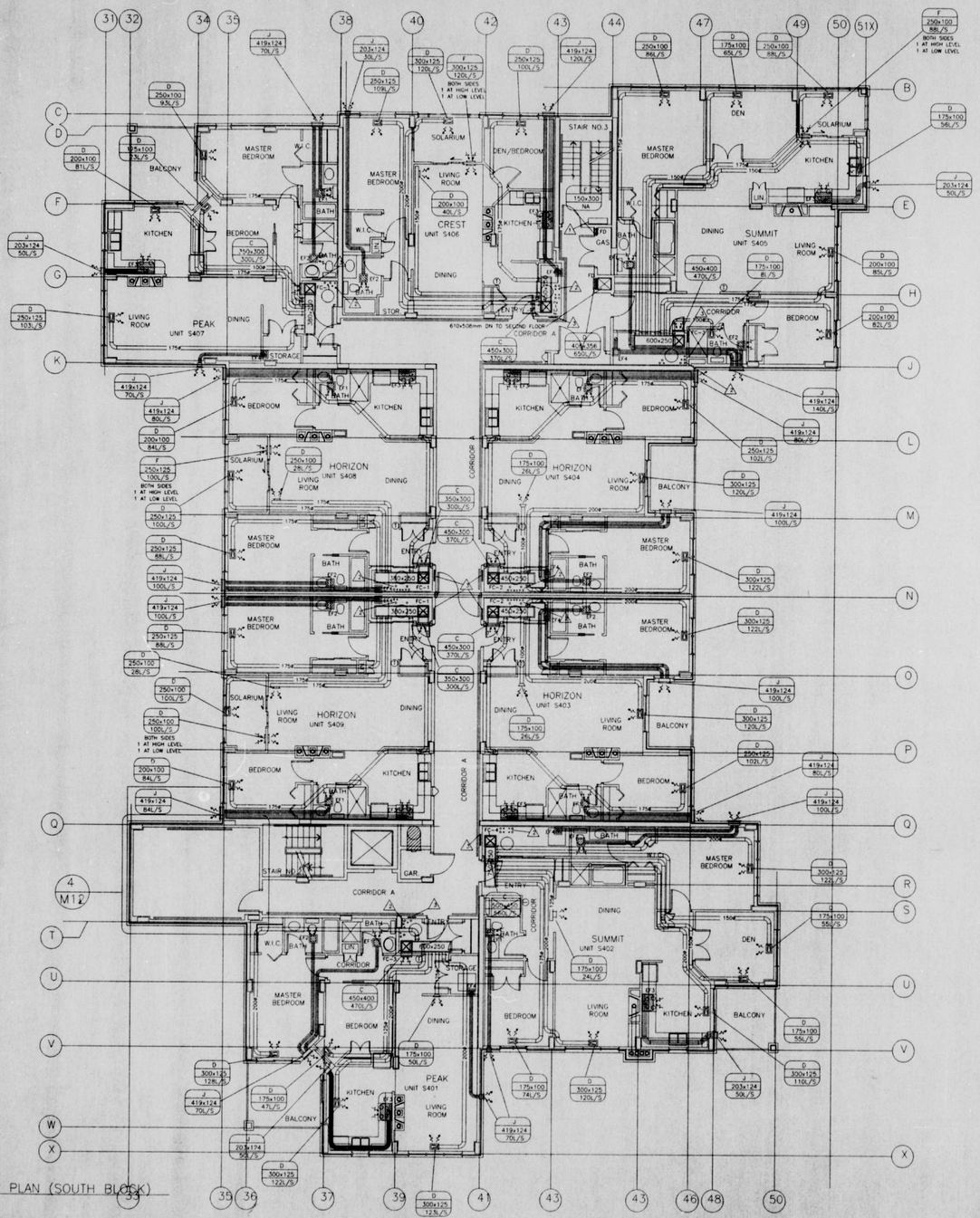
| drawn | date | scale |
|---|---|---|
| I.G. | SEPT 1998 | 1:75 |

engineer's stamp: L. JONES

project: 2059

drawing no.: M10or14

revision no.




1 / M11 THIRD FLOOR PLAN (SOUTH BLOCK)

NOTES:

1. ELECTRIC HEAT (DIVISION 16)
2. GAS VENT& FRESH AIR INTAKE PIPES FOR DOMESTIC HOT WATER TANKS UP TO ROOF. INTUMESCENT FIRE STOP RINGS TO BE INSTALLED ON BOTTOM OF FLOOR AND ROOF SLABS.
3. REFERANT PIPING.

| no. | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
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Tel: (613) 233-2758 Fax: (613) 233-5830

project: MERIDIAN At CENTREPOINTE Nepean, Ontario

drawing title: MECHANICAL THIRD FLOOR SOUTH BLOCK

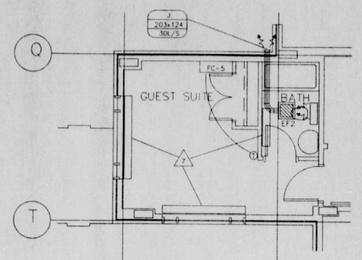
| drawn | date | scale |
|---|---|---|
| I.G. | SEPT 1998 | 1:75 |

engineer's stamp: L. JONES 100117 PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

project: 2059

drawing no.: M11of14

revision no.:



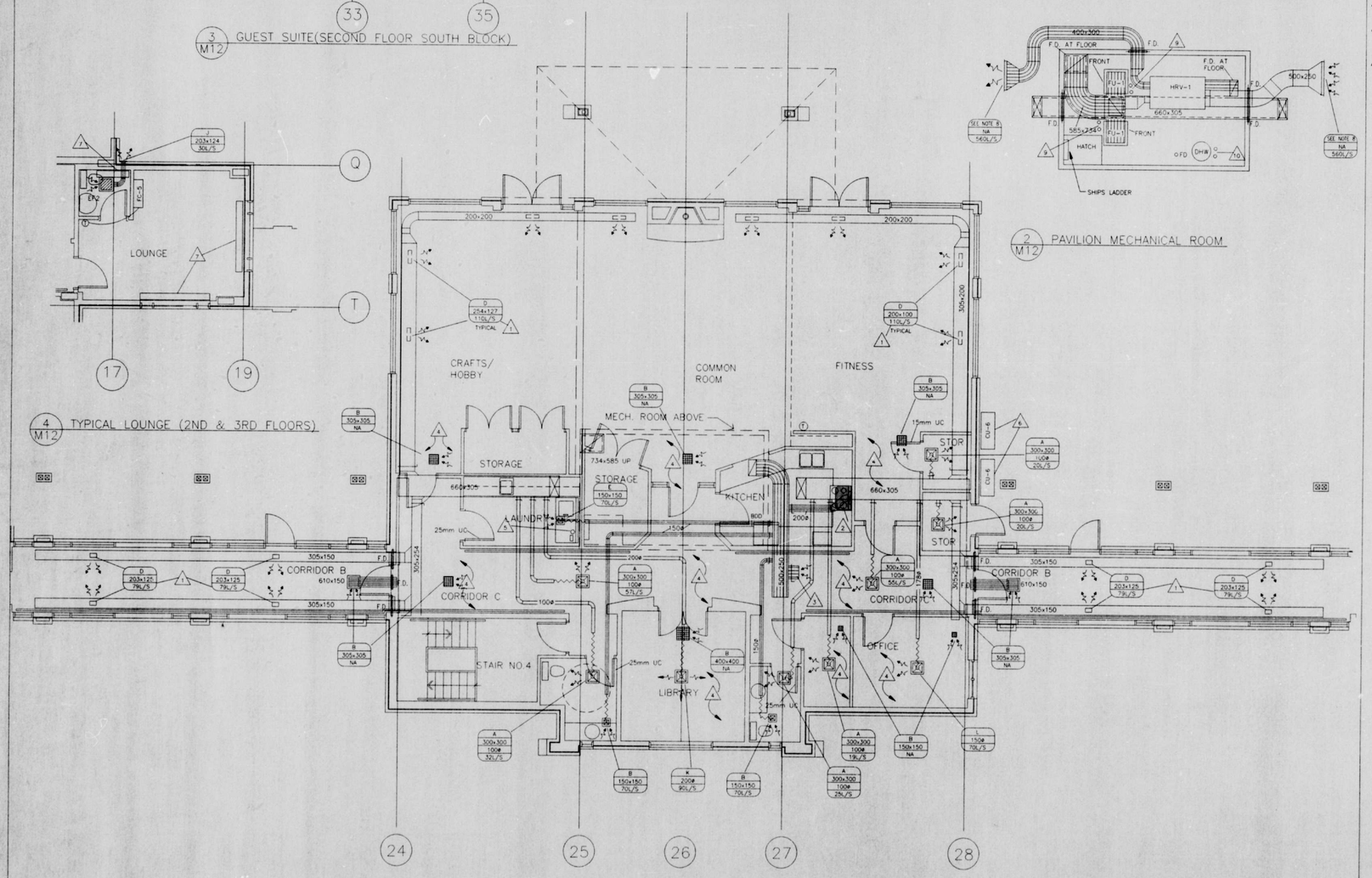

3 / M12 GUEST SUITE(SECOND FLOOR SOUTH BLOCK)




2 / M12 PAVILION MECHANICAL ROOM




4 / M12 TYPICAL LOUNGE (2ND & 3RD FLOORS)




1 / M12 PAVILION PLAN

NOTES:

1. PROVIDE COMBINATION AIR EXTRACTOR/BALANCE DAMPER BEHIND GRILLES.
2. REMOVE FAN & CONNECT TO HRV EXHAUST AIR DUCTWORK. BALANCE TO 100L/S ON HI SPEED.
3. EXHAUST AIR FROM CEILING RETURN AIR PLENUM. BALANCE TO 250L/S ON HI SPEED.
4. RETURN AIR CEILING PLENUM IN THIS AREA.
5. 125ø ALUMINUM DRYER EXHAUST TO ROOF CAP.
6. CONDENSING UNITS FOR PAVILION A.C.
7. ELECTRIC BASEBOARD HEATERS (DIVISION 16.)
8. LOUVRE BY GENERAL TRADES (SHARED LOUVRE WITH ATTIC VENT)
9. 75ø FURNANCE FLUE & FRESH AIR INTAKE PIPES UP THRU ROOF. TERMINATE AS PER MANUFACTURERS RECOMENDATIONS.
10. 75ø DOMESTIC HOT WATER TANK FLUE & FRESH AIR INTAKE PIPES UP THRU ROOF. TERMINATE AS PER MANUFACTURER'S INSTRUCTIONS.

| no | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 21/09/98 | ISSUED FOR PERMIT |

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319 Catherine Street, Ottawa Ontario, K1R 5T4
Tel: (613) 233-2758 Fax: (613) 233-5830

project: MERIDIAN At CENTREPOINTE Nepean, Ontario

drawing title: MECHANICAL PAVILION, PAVILION MECH. ROOM, & VARIOUS ROOMS

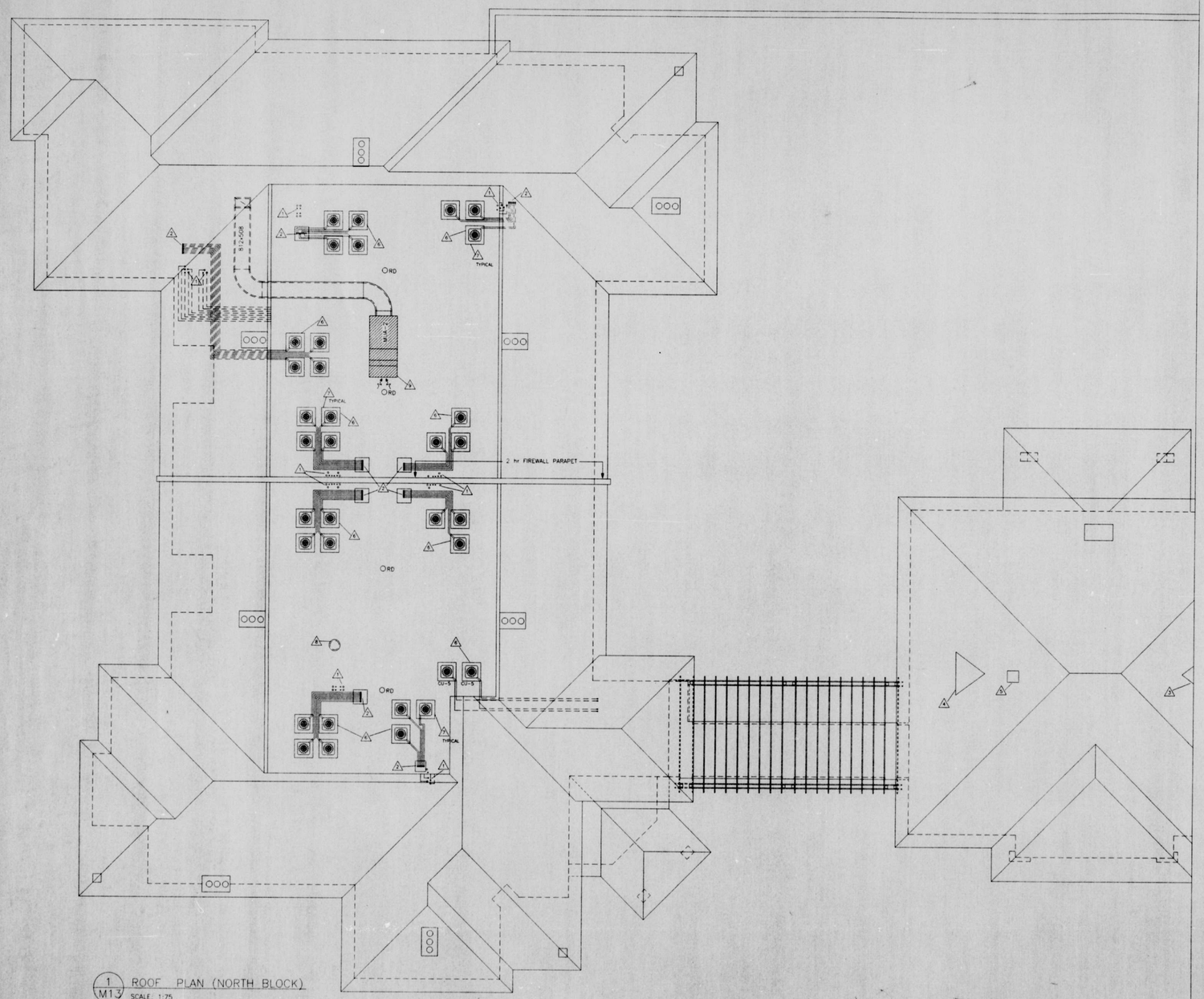
| drawn | date | scale |
|---|---|---|
| I.G. | SEPT 1998 | 1:50 |

engineer's stamp: L. JONES 5-5277

project: 2059

drawing no.: M12 of 14

revision no.




1 / M13 ROOF PLAN (NORTH BLOCK)
SCALE: 1:75

## NOTES:

1. GAS VENT & FRESH AIR INTAKE PIPES FOR DOMESTIC HOT WATER TANKS UP TO ROOF. REFER TO ARCHITECTURAL DETAIL FOR ROOF PENETRATION. PITCH POCKETS NOT PERMITTED.
2. REFERANT PIPING. REFER TO ARCHITECTURAL DETAIL FOR ROOF PENETRATION. PITCH POCKETS NOT PERMITTED.
3. EXHAUST AIR LOUVRE (PAVILION VENTILATION).
4. OUTSIDE AIR INTAKE LOUVRE (PAVILION VENTILATION)
5. DRYER EXHAUST ROOF CAP.
6. CONCRETE PAVERS ON ON 50mm RIGID INSULATION.
7. FOR CONDENSING UNIT TAG (SIZE) REFER TO SUITE FLOOR PLANS SHOWING FAN COIL SIZES.
8. GARBAGE CHUTE VENT CAP.
9. PLUMBER TO JOG PLUMBING STACK VENTS IN ROOF SPACE TO AVOID VENT TERMINATIONS WITHIN 5.0m OF MUA INTAKE.

CITY OF NEPEAN PLANS EXAMINED NOV 4 1998 PLAN EXAMINER

| no. | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 21/09/98 | ISSUED FOR PERMIT |

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319 Catherine Street, Ottawa
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Tel: (613) 233-2758 Fax: (613) 233-5830

project: MERIDIAN At CENTREPOINTE, Nepean, Ontario

drawing title: MECHANICAL ROOF PLAN TYPICAL OF NORTH & SOUTH BLOCKS

| drawn | date | scale |
|---|---|---|
| I.G. | SEPT 1998 | AS SHOWN |

engineer's stamp: L. JONES

project: 2059

drawing no.: M13 of 14

revision no.

## FAN COIL UNITS

| REF NUMBER | TYPE | APPLICATION | MANUFACTURER & MODEL | FAN L/S @ Pa | FAN MOTOR HP | FAN MOTOR RPM | ELECTRICAL V/PH/Hz | COOLING CAPACITY @ TOTAL | SENSIBLE | MEDIUM | COOLING L/S | COOLING PD kPa | HEATING MEDIUM | HEATING MBH | HEATING L/S | HEATING PD kPa | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FC-1 | VERTICAL | SUITES | FIRST CO 18 MBC-3 | 300 @ 75 | 1/5 | - | 120/1/60 | 5750 | - | DX | - | - | WATER | 9980 | - | - | AIR DELIVERY ON HIGH SPEED, HEATING CAPACITY BASED ON 80'C ENTERING WATER |
| FC-2 | VERTICAL | SUITES | FIRST CO 24 MBC-3 | 370 @ 75 | 1/5 | - | 120/1/60 | 7000 | - | DX | - | - | WATER | 13,500 | - | - | AIR DELIVERY ON HIGH SPEED, HEATING CAPACITY BASED ON 80'C ENTERING WATER |
| FC-3 | VERTICAL | SUITES | FIRST CO 30 MBC-3 | 470 @ 75 | 1/5 | - | 120/1/60 | 8600 | - | DX | - | - | WATER | 12,800 | - | - | AIR DELIVERY ON HIGH SPEED, HEATING CAPACITY BASED ON 80'C ENTERING WATER |
| FC-4 | VERTICAL | SUITES | FIRST CO 36 MBC-3 | 560 @ 75 | 1/2 | - | 120/1/60 | 10,500 | - | DX | - | - | WATER | 14,500 | - | - | AIR DELIVERY ON HIGH SPEED, HEATING CAPACITY BASED ON 80'C ENTERING WATER |
| FC-5 | WALL CONSOLE | LOUNGE & GUEST SUITES | CARRIER 40 GNS 009-1 | 101 - 349 | - | - | 120/1/60 | 7500 | - | DX | - | - | - | - | - | - | - |

## CONDENSING UNITS

| REF NUMBER | TYPE | APPLICATION | MANUFACTURER & MODEL | NOMINAL COOLING CAPACITY (KW) | ELECTRICAL V/PH/Hz | FLA | SOUND | EFFICIENCY (SEER) | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| CU-1 | RECIPROCATING | SUITES | CARRIER 38 CMC 0-18 | 5.3 | 208/1/60 | 8.5 | | 11.0 | PAIRS WITH FC-1 |
| CU-2 | RECIPROCATING | SUITES | CARRIER 38 CMC 0-24 | 7.0 | 208/1/60 | 10.4 | | 11.0 | PAIRS WITH FC-2 |
| CU-3 | RECIPROCATING | SUITES | CARRIER 38 CMC 0-30 | 8.8 | 208/1/60 | 13.3 | | 11.0 | PAIRS WITH FC-3 |
| CU-4 | SCROLL | SUITES | CARRIER 38 CMC 0-36 | 10.6 | 208/1/60 | 18.1 | | 11.0 | PAIRS WITH FC-4 |
| CU-5 | ROTARY | LOUNGE & GUEST SUITES | CARRIER 38 AN 008-1 | 2.49 | 120/1/60 | 12.90 | 64dB | 10.5 | PAIRS WITH FC-5 |
| CU-6 | SCROLL | PAVILION | CARRIER 38 HDC 060 | 17.6 | 208/3/60 | 17.40 | 74 bels | | PAIRS WITH FURNACES FU-1 |

## FANS

| REF NUMBER | TYPE | APPLICATION | MANUFACTURER & MODEL | FAN RATING L/S | @ Pa | RPM | BHP | FAN MOTOR HP | RPM | ELECTRICAL V/PH/Hz | VIBRATION ISOL TYPE | SOUND SONE | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EF1 | CEILING | BATHROOM EXHAUST | PENN ZEPHYRETTE ZT1 | 41 | 30 | - | - | 49W | 1200 | 120/1/60 | INTEGRAL | 2.5 | "PRINCIPAL EXHAUST" (AS DEFINED BY OBC) SUPPLY WITH INTERGRAL SPEED CONTROL & BALANCE TO 30L/S |
| EF2 | CEILING | BATHROOM & MISC EXHAUST | PENN ZEPHYRETTE ZT1 | 41 | 30 | - | - | 49W | 1200 | 120/1/60 | INTEGRAL | 2.5 | "SUPPLEMENTARY EXHAUST (AS DEFINED BY OBC) |
| EF3 | RANGE HOOD | KITCHEN | BROAN-CARRY-AIR-180 | 80 | 30 | - | - | 250W | 2800 | 120/1/60 | INTEGRAL | 8.5 | |
| EF4 | IN LINE (BACKWARD INCLINED BLADES) | DRYER EXHAUST | KANUFLANT DC | 56 | 125 | - | - | 1.5kW | | INTEGRAL | INTEGRAL | 2.0 | SUPPLY WITH INTEGRAL PRESSURE SENSING SWITCH TO OPERATE WITH DRYER OPERATION |
| EF5 | PROPELLER BELT DRIVE | GARAGE CO EXHAUST | PENN BFM-48 | 3820 | 40 | 275 | 3.6 | 1/4HP | | 120/1/60 | INTEGRAL | | CYCLED BY CO DETECTORS |
| EF6 | PROPELLER DIRECT DRIVE | GARAGE GENERAL EXHAUST | PENN PF42A | 460 | 40 | - | - | 1/3HP | 1050 | 120/1/60 | INTEGRAL | 10.5 | RUNS CONTINUOUSLY |
| EF7 | IN LINE | CARWALL/JANITOR | PENN 210A (TSA) | 280 | 125 | - | - | 122W | 1550 | 120/1/60 | INTEGRAL | 8.0 | SUPPLY WITH INTEGRAL SPEED CONTROLLER FOR BALANCING |
| EF8 | CEILING | SHOP/LOCKERS | PENN 210S | 200 | 60 | - | - | 143W | 1050 | 120/1/60 | INTEGRAL | 5.1 | SUPPLY WITH INTEGRAL SPEED CONTROLLER FOR BALANCING |
| EF9 | CEILING | LOCKERS | PENN 25H | 180 | 60 | - | - | 53W | 1550 | 120/1/60 | INTEGRAL | 4.7 | SUPPLY WITH INTEGRAL SPEED CONTROLLER FOR BALANCING |
| EF10 | IN LINE | VESTIBULE AIR SUPPLY BOOST | PENN 23H | 40 | 30 | - | - | 39W | 1550 | 120/1/60 | INTEGRAL | 2.3 | SUPPLY WITH INTEGRAL SPEED CONTROLLER FOR BALANCING (BALANCE TO 20L/S) |

## GRILLES/DIFFUSERS

| REF NUMBER | TYPE | TYPICAL APPLICATION | MANUFACTURER & MODEL | SIZE | BORDER | MATERIAL | FINISH | NOTES |
|---|---|---|---|---|---|---|---|---|
| TYPE A | 4 WAY DIFFUSER | CEILING SUPPLY | E+ PRICE SCD | ON DRAWING | NA | STEEL | OFF WHITE BAKED ENAMEL | |
| TYPE B | EGG CRATE | CEILING EXHAUST/RETURN | E+ PRICE EC SERIES | ON DRAWING | 25mm NARROW | ALUMINUM | OFF WHITE BAKED ENAMEL | DAMPER NOT REQUIRED. OMIT BORDER IN T-BAR CEILING |
| TYPE C | LOUVRE FACE FILTER RETURN | SUITES RETURN AIR | E+ PRICE 7D FH 11-C | ON DRAWING | 25mm NARROW | ALUMINUM | OFF WHITE BAKED ENAMEL | 13mm BLADE SPACING. CONTINUOUS ALUMINUM HINGE. 1/4 TURN QUICK RELEASE. FILTER BACK |
| TYPE D | ADJUSTABLE LOUVRE DOUBLE DEFLECTION | CEILING/WALL SUPPLY AIR REGISTERS | E+ PRICE 610 D | ON DRAWING | 25mm NARROW | ALUMINUM | OFF WHITE BAKED ENAMEL | DAMPER MAY BE OMITTED WHERE BRANCH BALANCING DAMPER ACCESSIBLE |
| TYPE E | FILTER BACK HINGED 10G GRATE | SHOP & LAUNDRY EXHAUST | E+ PRICE 80 FF | ON DRAWING | SURFACE MOUNT | ALUMINUM/ STEEL | OFF WHITE BAKED ENAMEL | HINGED TAB & QUICK OPEN FASTENERS |
| TYPE F | FIXED BLADE | WALL RETURN/TRANSFER | E+ PRICE 530 | ON DRAWING | 25mm NARROW | STEEL | OFF WHITE BAKED ENAMEL | 13mm BLADE SPACING |
| TYPE G | WEATHER LOUVRE | EXHAUST/AIR INTAKE | E+ PRICE 205 | ON DRAWING | NA | GALVANIZED STEEL | PRIME COAT FOR FIELD PAINTING | REGULATED MOTORIZED DAMPER TAMCO 9000 SERIES ON ALL EXHAUST & INTAKES (EXCEPT AS OTHERWISE NOTED |
| TYPE J | BIRDX VENT | SMALL EXHAUST OUTLET | E+ PRICE BBL SERIES | ON DRAWING | NONE | ALUMINUM | FACTORY PAINT FINISH | PROVIDE SHOP FABRICATED PLENUM BOX WITH SINGLE/MULTIPLE DUCT CONNECTIONS AS REQUIRED. SINGLE DUCT TO HAVE INTEGRAL FLAT DAMPER. MULTI-OUTLET TO HAVE INDIVIDUAL BACK DRAFT DAMPER ON EACH SEPERATE DUCT SIZE ON DRAWINGS MINIMUM SIZE. ADJUST UPWARDS TO BRICK/BLOCK MODULE SIZE |
| TYPE H | LOUVRE FACE SUPPLY DOUBLE DEFLECTION | GARAGE SUPPLY | E+ PRICE 302 | ON DRAWING | 32mm FLAT | ALUMINUM/ STEEL | OFF WHITE BAKED ENAMEL | 76mm BLADES & SPACING |
| TYPE K | THERMALLY POWERED SELF REGULATING | OFFICE, LIBRARY | THERMA-FUSER HC | ON DRAWING | NA | STEEL | OFF WHITE BAKED ENAMEL | |

## AIR HANDLERS

| REF NUMBER | TYPE | APPLICATION | MANUFACTURER & MODEL | SUPPLY AIR FAN L/S | @ Pa | RPM | BHP | FAN MOTOR HP | RPM | RETURN AIR FAN @ | RPM | BHP | FAN MOTOR HP | RPM | COOLING CAPACITY TOTAL | SENSIBLE | COOLING MEDIUM | L/S | HEATING MEDIUM | kW | ELECTRICAL V/PH/Hz | OPERATING WT. kg | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MUA-1 | SWEET FIRED GAS | GARAGE MAKE-UP AIR | ENGINEERED AIR ME MODEL 171 | 7600 | 250 | - | 11.0 | 15 | - | - | - | - | - | - | - | - | - | - | GAS | SEE NOTES | - | 208/3/60 | 730 | RUNS AFTER BOTH AIR PROVING SWITCH ON (T-57) INDICATES FLOW. INTEGRAL DAMPER TO MAINTAIN MINIMUM 10'C DISCHARGE TEMPERATURE AT 1% DESIGN AMBIENT |
| MUA-2 | INDIRECT FIRED GAS | CORRIDOR MAKE-UP AIR | ENGINEERED AIR DJ 40 | 2600 | 250 | 750 | 3.9 | 5 | 1750 | - | - | - | - | - | - | - | - | - | GAS | SEE NOTES | - | 208/3/60 | 550 | AS ABOVE. MINIMUM 20'C DISCHARGE TEMPERATURE AT 1% DESIGN AMBIENT w/ TURN DOWN ELECTRONIC CONTROL OPTION |

## FURNACES

| REF NUMBER | TYPE | APPLICATION | MANUFACTURER/ MODEL | SUPPLY AIR FAN L/S | Pa | RPM | BHP | FAN MOTOR HP | RPM | COOLING CAPACITY KW TOTAL | SENSIBLE | COOLING MEDIUM | L/S | HEATING MEDIUM | kW | ELECTRICAL V/PH/Hz | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FU-1 | 5 WAY MULTIPOISE SWEET VENT CONDENSING | PAVILION | CARRIER 58 MCA 140-20 | 950 | 125 | 2288 | - | 3/4 | 1075 NOMINAL | 17.6 | - | DX | - | GAS | 97.2 | 120/1/60 | SUPPLY FAN DATA FOR HI SPEED AFUE 80% |

## HEAT EXCHANGER - AIR TO AIR

| REF NUMBER | TYPE | APPLICATION | MANUFACTURER/ MODEL | AIR SUPPLY/EXHAUST L/S | | FAN MOTOR HP | RPM | ELECTRICAL V/PH/Hz | | EFFICIENCY SUPPLY | EXHAUST | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HE1 | ROTARY, DESICCANT | PAVILION | VENMAR EPX 1000 | 560 | 125 | 2 @ 1/2 | 1100 | 120/1/60 | FLA 2 @ 4.2 | 75% @ 5KBU'S | | EFFICIENCY BASED ON AHCA 210 TEST METHOD |

## DOMESTIC HOT WATER HEATERS

| REF NUMBER | TYPE | APPLICATION | MANUFACTURER/ MODEL | STORAGE VOLUME (L) | HEAT INPUT (kW) | ELECTRICAL V/PH/Hz | WATTS | RECOVERY EFFICIENCY | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| HW-1 | SWEET VENT GAS COMMERCIAL STORAGE | SUITES & PAVILION | POLARIS PR 50 | 227 | 29.3 | 120/1/60 | -840 | 94% | CONSUMERS GAS RENTAL |
| HW-2 | ELECTRIC STORAGE TYPE | JANITOR/CHUTE ROOM | RHEEM RP 410 | 182 | 2 x 3kW | 208/1/60 | 3000 | NA | |

## LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | PIPE AT HIGH LEVEL |
| | PIPE ON ROOF OR ABOVE CEILING |
| | PIPE BELOW FLOOR |
| H.B. | HOSE BIBB |
| FD / AD | FLOOR DRAIN (APEA DRAIN) |
| C.O. | CLEAN OUT STACK MOUNTED |
| C.O. | CLEAN OUT FLOOR MOUNTED |
| WC | WATER CLOSET |
| LAV. | LAVATORY |
| BT | BATHTUB |
| SH | SHOWER |
| R.D. | ROOF DRAIN |
| S | SINK |
| HWT | DOMESTIC HOT WATER TANK |
| | PENDANT SPRINKLER HEAD |
| | UPRIGHT SPRINKLER HEAD |
| | SIAMESE CONNECTION |
| | GATE VALVE |
| | CHECK VALVE |
| | BUTTERFLY VALVE |
| | PLUG VALVE |
| | BALL VALVE |
| | PRESSURE RELIEF VALVE |
| FS | FLOW SWITCH |
| G | GAS METER |
| W | WATER METER |
| | FLEXIBLE PIPE CONNECTION |
| | PLUMBING RISER |

## ABBREVIATIONS USED

| | |
|---|---|
| R | REFRIGERANT |
| G | NATURAL GAS |
| C | CONDENSATE (DRAIN) |
| SP | SPRINKLER |
| NC | NORMALLY CLOSED (VALVE) |
| S | SUPERVISED (VALVE) |
| ST | STORM |
| SAN | SANITARY |
| DHW | DOMESTIC HOT WATER |
| TA | TO ABOVE |
| FA | FROM ABOVE |
| TB | TO BELOW |
| FB | FROM BELOW |
| HC | BARRIER FREE (PLUMBING FIXTURE) |
| CW | CLOTHES WASHER |
| DW | DISHWASHER |
| | DIFFUSER, GRILLE REGISTER, LOUVRE REFERENCE BUBBLE |
| S.D. | SPLITTER DAMPER |
| F.D. | FIRE DAMPER |
| B.D. | BALANCING DAMPER |
| | SUPPLY AIR DUCT |
| | RETURN OR EXHAUST DUCT |
| | ACOUSTIC LINED DUCTWORK |
| | FLEX DUCT |
| | ROUND SUPPLY AIR DUCT |
| | SPIRAL SUPPLY AIR DUCT |
| | MOTORIZED DAMPER E=ELECTRIC, P=PNUEMATIC |

## NOTES:

1. MANUFACTURER & MODEL ARE GIVEN AS A STANDARD OF REFERANCE. ALTERNATE MANUFACTURERS EQUIPMENT WILL BE ACCEPTED AS LONG AS THEY ARE EQUIVALENT

CITY OF NEPEAN PLANS EXAMINED NOV 4 1998 PLAN EXAMINER

| no | date | revision |
|---|---|---|
| 2 | 12/10/98 | ISSUED FOR TENDER |
| 1 | 21/09/98 | ISSUED FOR PERMIT |

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319 Catherine Street, Ottawa
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Tel: (613) 233-2758 Fax: (613) 233-1830

project: MERIDIAN At CENTREPOINTE, Nepean, Ontario

drawing title: MECHANICAL HVAC EQUIPMENT SCHEDULES & LEGEND

| drawn | date | scale |
|---|---|---|
| LG | SEPT 1998 | |

engineer's stamp: L. JONES 100167 REGISTERED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

project 2059

drawing no. M14 OF 14

revision no.

## NOTES

1. ALL LIGHT SWITCHES & THERMOSTATS TO BE MOUNTED 1200mm AFF
2. ALL POWER OUTLETS (EXCEPT OVER COUNTER) TO BE MOUNTED 400mm AFF
3. RECEPTACLE FOR SECURITY SYSTEM BY OTHERS. COORDINATE WITH SECURITY SYSTEM BY OTHERS.
4. PROVIDE UNIT PRICE FOR GFI BREAKER FOR RECEPTACLE LOCATED OUTDOOR (DO NOT INCLUDE COST OF RECEPTACLE)
5. SWITCHES FOR FAN COIL & PARKING EXHAUST FANS TO BE LOCATED IN SECURITY OFFICE. REFER TO DRAWING A-1
6. FIRE ALARM CONNECTION 24 VDC TO SUPPLIER RECOMMENDATIONS. PROVIDE UNIT PRICE FOR INSTALLATION/REMOVAL
7. AUTOMATIC DOOR OPERATOR ROUGH-IN. REFER TO DOOR SCHEDULE FOR DOOR TYPE
8. RECESS PANEL WITHOUT DOOR. CO-ORDINATE WITH DOOR SUPPLIED BY GENERAL TRADES.
9. SWITCH KITCHEN VALENCE LIGHTING WITH TYPE D FIXTURE
10. DRYER BOOSTER FAN CONNECTION. LOCATION AS INDICATED ON DRYER CIRCUIT PB1-2
11. AUTOMATIC DOOR OPERATOR CONNECTIONS FOR ELECTRIC DOOR LOCK, DOOR RELEASE UPON ALARM, CARD ACCESS
12. PROVIDE TELEPHONE OUTLET FOR DOOR OPERATOR BY GENERAL TRADES
13. PROVIDE POWER FOR EQUIPMENT CITY APPROVED AUXILIARY CONTACTS FOR ELEVATOR RECALL SIGNAL FROM ELECTRICAL ROOM. PROVIDE 230V SINGLE PHASE POWER FOR ELEVATOR CONTACTS AT ROOM FLOW SWITCH
14. ELEVATOR CAR LIGHT DISCONNECT, 30A SP FUSED AT 20A
15. PROVIDE RECEPTACLE AT ELEVATOR CAR FOR CONNECTION OF CONSTRUCTION PHASE ELEVATOR DOOR DETECTOR SIGNAL. REFER TO ELEVATOR DRAWINGS FOR CONTROLLER AS DIRECTED BY SUPPLIER
16. 40VA CO DETECTOR CONTROL CONTACTS TO ENERGIZE FAN STG # 2 & STG 3
17. DUPLEX LOAD TO SHAFT, CHUTE, GENERATOR ROOM, ELEVATOR MACHINE ROOM AND THRU OF EACH UNIT
18. 3000W 208V HOT WATER TANK CONNECTION

## LEGEND

| | |
|---|---|
| | Duplex receptacle |
| gf | ground fault type |
| dw | dishwasher |
| ig | isolated ground |
| | Split receptacle |
| r | Range outlet |
| d | Dryer outlet |
| | Duplex receptacle on separate circuit |
| | Direct connection |
| | Special receptacle |
| | Toggle switch |
| | 3=3 way, p=pilot light |
| $s | Dimmer switch or speed controller |
| $T | Interval time switch |
| | Cable outlet |
| | Telephone outlet |
| | Photoelectric switch |
| | Disconnect switch |
| | Manual starter |
| | Magnetic starter |
| | Combination starter |
| | Emergency exit sign single face |
| | Emergency exit sign double face |
| | Battery pack |
| | Emergency lighting |
| | Thermostat |
| | Fire alarm pull station |
| | Fire alarm mini-horn |
| | Smoke alarm |
| | Smoke detector |
| | Heat detector |
| | Tamper switch |
| | Flow switch |
| | Transformer |
| | Baseboard heater |
| | Forced flow heater |
| | Fluorescent luminaire |
| | Wall luminaire |
| | Ceiling luminaire |
| | Timeclock |
| | Doorbell |
| | Chime |
| | Intercom speaker |
| | Push button |
| | Contactor - mechanically held |
| | Security camera |
| | Card access door entry |
| | CO detector |
| | Gas detector |
| (HW) | Gas hot water tank conn. |

### SUBSCRIPTS & ABBREVIATIONS

| | |
|---|---|
| wp | Weatherproof |
| LV | Low Voltage |
| HV | High Voltage |
| T | Telephone |
| C | Cable |
| AFF | Above Finished Floor |
| OC | Over Counter |

CITY OF NEPEAN PLANS EXAMINED NOV 23 1998 BUILDING

| | | |
|---|---|---|
| 2 | 98.10.12 | ISSUED FOR TENDER |
| 1 | 98.09.24 | ISSUED FOR PERMIT |
| no. | date | issue |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
BASEMENT/LEVEL 1
NORTH BLOCK

| Drawn | Date | Scale |
|---|---|---|
| MT | JULY 1998 | 1:75 |

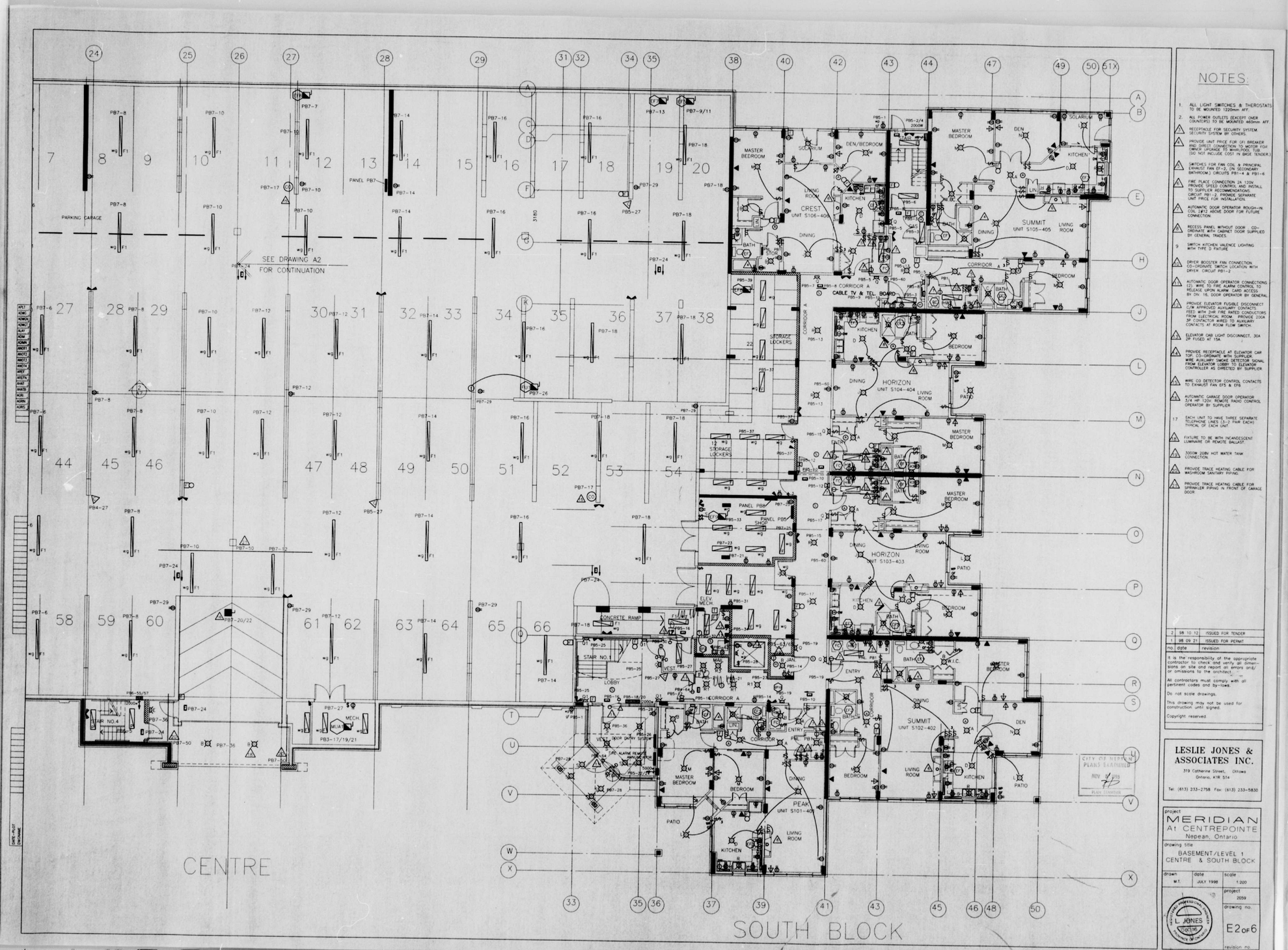
project 2084
drawing no. E1 of 6
revision no.

SEE DRAWING A3 FOR CONTINUATION

PARKING GARAGE

NORTH BLOCK

CENTRE




## NOTES:

1. ALL LIGHT SWITCHES & THEROSTATS TO BE MOUNTED 1220mm AFF.
2. ALL POWER OUTLETS (EXCEPT OVER COUNTERS) TO BE MOUNTED 460mm AFF.

A. RECEPTACLE FOR SECURITY SYSTEM. SECURITY SYSTEM BY OTHERS.

A. PROVIDE UNIT PRICE FOR CFI BREAKER AND DIRECT CONNECTION TO MOTOR FOR DIMMER UPGRADE TO WHIRLPOOL TUB. (DO NOT INCLUDE COST IN BASE TENDER)

A. SWITCHES FOR FAN COIL & PRINCIPAL EXHAUST FAN EF-2, (IN SECONDARY BATHROOM) CIRCUITS PB1-4 & PB1-6

A. FIRE PLACE CONNECTION 2A 120V PROVIDE SPEED CONTROL AND INSTALL TO SUPPLIER RECOMMENDATIONS CIRCUIT PB1-2. PROVIDE SEPARATE UNIT PRICE FOR INSTALLATION.

A. AUTOMATIC DOOR OPERATOR ROUGH-IN C/W 2#12 ABOVE DOOR FOR FUTURE CONNECTION

A. RECESS PANEL WITHOUT DOOR. CO-ORDINATE WITH CABINET DOOR SUPPLIED BY GENERAL TRADES.

9. SWITCH KITCHEN VALENCE LIGHTING WITH TYPE D FIXTURE

A. DRYER BOOSTER FAN CONNECTION. CO-ORDINATE SWITCH LOCATION WITH DRYER. CIRCUIT PB1-2

A. AUTOMATIC DOOR OPERATOR CONNECTIONS (2). WIRE TO FIRE ALARM CONTROL TO RELEASE UPON ALARM. CARD ACCESS BY DIV. 16, DOOR OPERATOR BY GENERAL

A. PROVIDE ELEVATOR FUSIBLE DISCONNECT C/W ARRESTING COIL AND AUXILIARY CONTACTS. FED WITH 3#8 FIRE RATED CONDUCTORS FROM ELECTRICAL ROOM. PROVIDE 20A 3P CONTACTOR WIRED TO AUXILIARY CONTACTS AT ROOM FLOW SWITCH.

A. ELEVATOR CAB LIGHT DISCONNECT, 30A 2P FUSED AT 15A.

A. PROVIDE RECEPTACLE AT ELEVATOR CAR TOP. CO-ORDINATE WITH SUPPLIER. WIRE AUXILIARY SMOKE DETECTOR SIGNAL FROM ELEVATOR LOBBY TO ELEVATOR CONTROLLER AS DIRECTED BY SUPPLIER.

A. WIRE CO DETECTOR CONTROL CONTACTS TO EXHAUST FAN EF5 & EF6

A. AUTOMATIC GARAGE DOOR OPERATOR 3/4 HP 120V. REMOTE RADIO CONTROL OPERATOR BY SUPPLIER

17. EACH UNIT TO HAVE THREE SEPARATE TELEPHONE LINES (3-2 PAIR EACH) TYPICAL OF EACH UNIT

A. FIXTURE TO BE WITH INCANDESCENT LUMINAIRE OR REMOTE BALLAST.

A. 5000W 208V HOT WATER TANK CONNECTION

A. PROVIDE TRACE HEATING CABLE FOR WASHROOM SANITARY PIPING.

A. PROVIDE TRACE HEATING CABLE FOR SPRINKLER PIPING IN FRONT OF GARAGE DOOR

| no. | date | revision |
|---|---|---|
| 2 | 98.10.12 | ISSUED FOR TENDER |
| 1 | 98.09.21 | ISSUED FOR PERMIT |

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CITY OF NEPEAN PLANS EXAMINED NOV 4 JEAN SIMPSON

project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

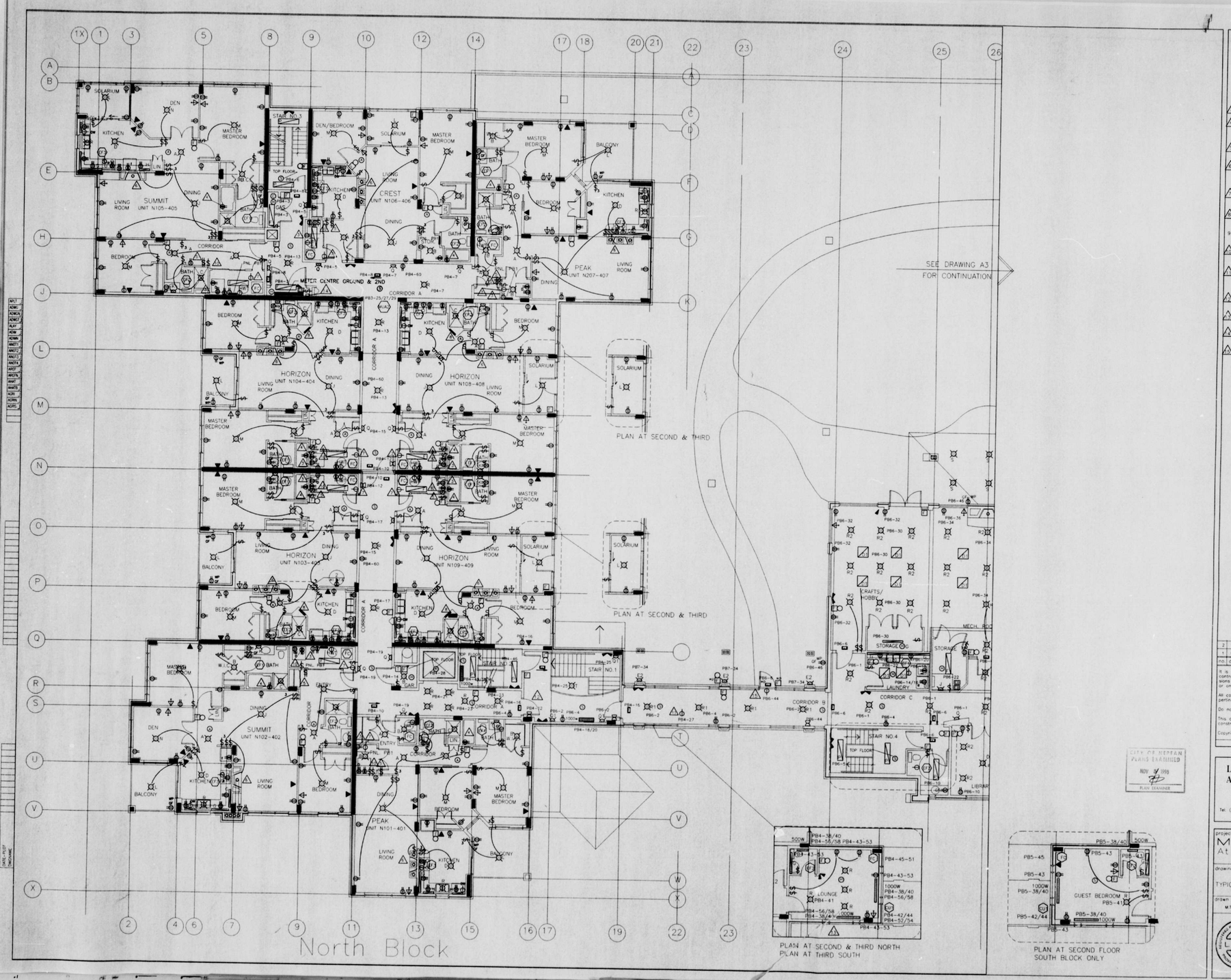
drawing title
BASEMENT/LEVEL 1
CENTRE & SOUTH BLOCK

| drawn | date | scale |
|---|---|---|
| M.T. | JULY 1998 | 1:200 |

project 2059

drawing no. E2 OF 6

revision no.




## NOTES:

1. ALL LIGHT SWITCHES & THERMOSTATS TO BE MOUNTED 1220mm AFF.
2. ALL POWER OUTLETS (EXCEPT OVER COUNTER) TO BE MOUNTED 460mm AFF.

1. RECEPTACLE FOR SECURITY SYSTEM. SECURITY SYSTEM BY OTHERS.
2. PROVIDE UNIT PRICE FOR 10P BREAKER AND DIRECT CONNECTION OF METER FOR OWNER UPGRADE TO ANALYSIS. (DO NOT INCLUDE COST IN BASE TENDER)
3. SWITCHES FOR FAN COIL & PRINCIPAL EXHAUST FAN EF-2. (IN SECONDARY BATHROOM.) CIRCUITS PB1-4 & PB1-6
4. FIRE PLACE CONNECTION 2A-120V. PROVIDE SPEED CONTROL AND INSTALL TO SUPPLIER RECOMMENDATIONS. CIRCUIT PB1-2. PROVIDE SEPARATE UNIT PRICE FOR INSTALLATION.
5. AUTOMATIC DOOR OPERATOR ROUGH-IN COIL 7#12 ABOVE DOOR FOR FUTURE CONNECTION.
6. RECESS PANEL WITHOUT DOOR - CO-ORDINATE WITH CABINET DOOR SUPPLIED BY GENERAL TRADES.
7. SWITCH KITCHEN VALENCE LIGHTING WITH TYPE D FIXTURE
8. DRYER BOOSTER FAN CONNECTION. CO-ORDINATE SWITCH LOCATION WITH DRYER. CIRCUIT PB1-2
9. ROUGH-IN 19mm EMT TO BASEMENT ELECTRICAL ROOM FOR FUTURE CAMERA. CAP BOX AT CEILING. PROVIDE SEPARATE UNIT PRICE NOT INCLUDED IN TENDER SUM
10. AUTO DOOR OPERATOR CONECTION. PROVIDE CARD ACCESS AND WIRE TO FIRE ALARM FOR RELEASE.
11. FEED LOUNGE OUTLETS IN SOUTH BLOCK FROM PANEL PB5.
12. INSTALL MUAZ CONTROL PANEL SUPPLIED WITH UNIT IN 2ND FLOOR CLOSET.
13. DOOR LOCK CONECTION TO BE WIRED TO FIRE ALARM FOR RELEASE.

| no. | date | revision |
|---|---|---|
| 2 | 98 10 12 | ISSUED FOR TENDER |
| 1 | 98 09 21 | ISSUED FOR PERMIT |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

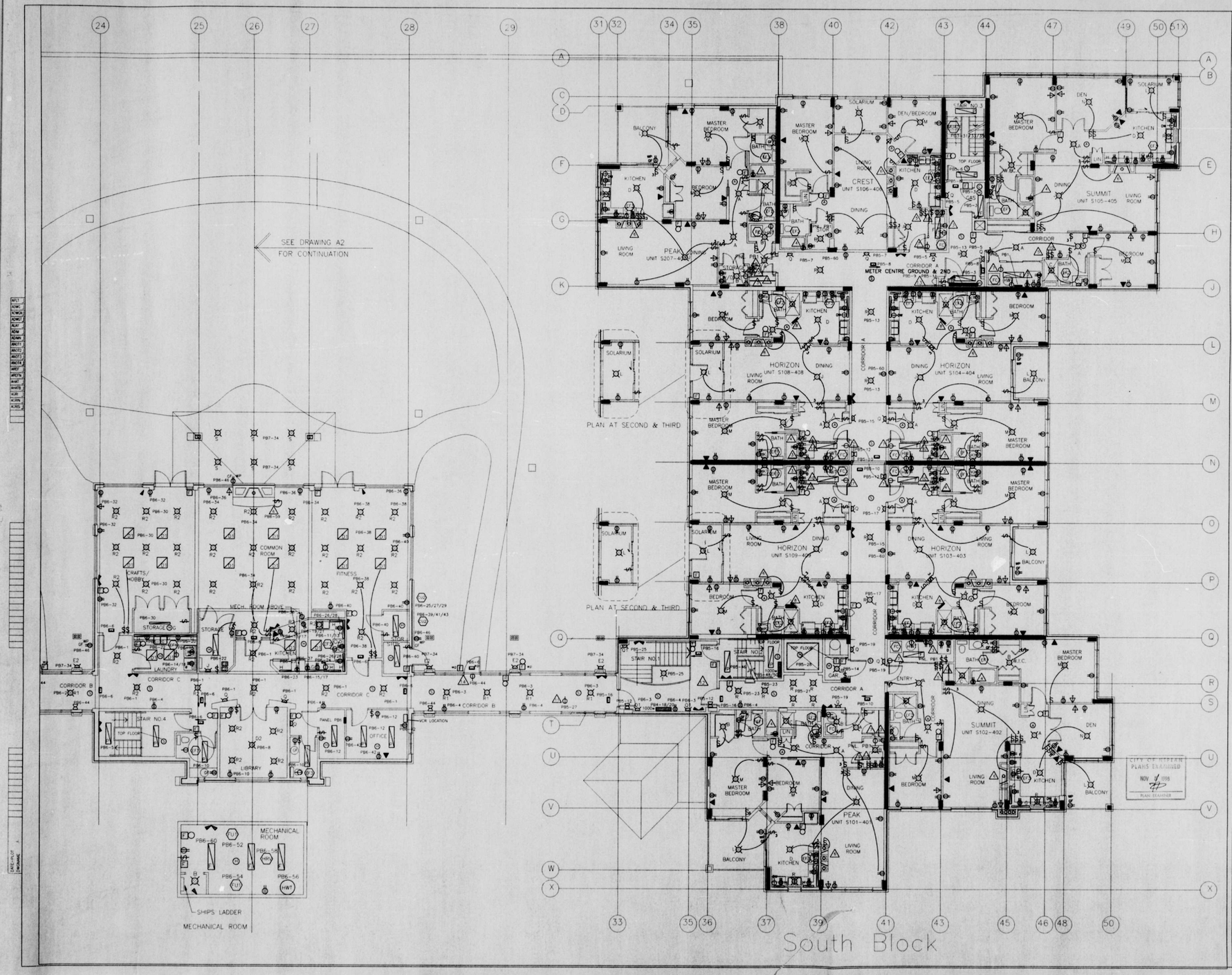
drawing title
GROUND FLOOR
TYPICAL OF SECOND & THIRD
NORTH BLOCK

| drawn | date | scale |
|---|---|---|
| M.T. | JULY 1998 | 1:75 |

project 2059

drawing no. E3 OF 6

revision no.




## NOTES:

1. ALL LIGHT SWITCHES & THEROSTATS TO BE MOUNTED 1220mm AFF.
2. ALL POWER OUTLETS (EXCEPT OVER COUNTER) TO BE MOUNTED 460mm AFF.

A1. RECEPTACLE FOR SECURITY SYSTEM. SECURITY SYSTEM BY OTHERS.

A2. PROVIDE UNIT PRICE FOR CF/ BREAKER AND DIRECT CONNECTION TO MOTOR FOR OWNER UPGRADE TO WHIRLPOOL TUB. (DO NOT INCLUDE COST IN BASE TENDER).

A3. SWITCHES FOR FAN COIL & PRINCIPAL EXHAUST FAN EF-2, ON SECONDARY BATHROOM) CIRCUITS PB1-4 & PB1-6

A4. FIRE PLACE CONNECTION 2A 120V. PROVIDE 2A/120V CONTROL AND INSTALL BY SUPPLIER IN CONVENIENT LOCATION. CIRCUIT PB1-8. PROVIDE SEPARATE UNIT PRICE FOR INSTALLATION.

A5. AUTOMATIC DOOR OPERATOR ROUGH-IN. COIL 2#12 ABOVE DOOR FOR FUTURE CONNECTION.

A6. RECESS PANEL WITHOUT DOOR. CO-ORDINATE WITH CABINET DOOR SUPPLIED BY GENERAL TRADES.

3. SWITCH KITCHEN VALENCE LIGHTING WITH TYPE D FIXTURE.

A7. DRYER BOOSTER FAN CONNECTION. CO-ORDINATE SWITCH LOCATION WITH DRYER CIRCUIT PB1-2.

A8. ROUGH-IN 19mm EMT TO BASEMENT ELECTRICAL ROOM FOR FUTURE CAMERA. CAP BOX AT CEILING. PROVIDE SEPARATE UNIT PRICE NOT INCLUDED IN TENDER SUM.

A9. AUTO DOOR OPERATOR CONECTION. PROVIDE CARD ACCESS AND WIRE TO FIRE ALARM FOR RELEASE.

A10. INSTALL MUX2 CONTROL PANEL SUPPLIED WITH UNIT IN 2ND FLOOR CLOSET.

A11. DOOR LOCK CONECTION TO BE WIRED TO FIRE ALARM FOR RELEASE.

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|---|---|---|
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NOV 4 1998
PLAN EXAMINER

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Tel: (613) 233-2758 Fax: (613) 233-5830

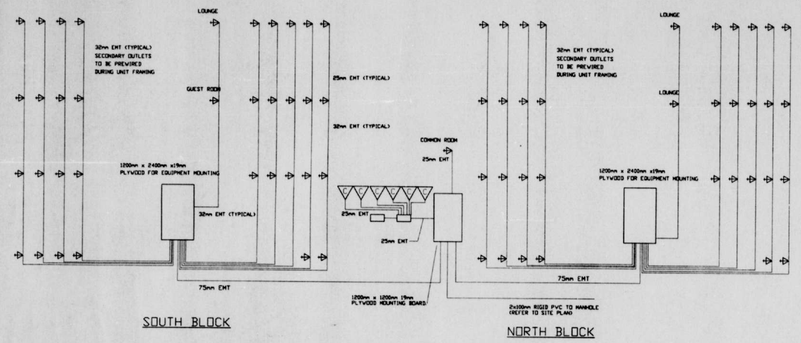
project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
GROUND FLOOR
TYPICAL OF SECOND & THIRD
SOUTH BLOCK

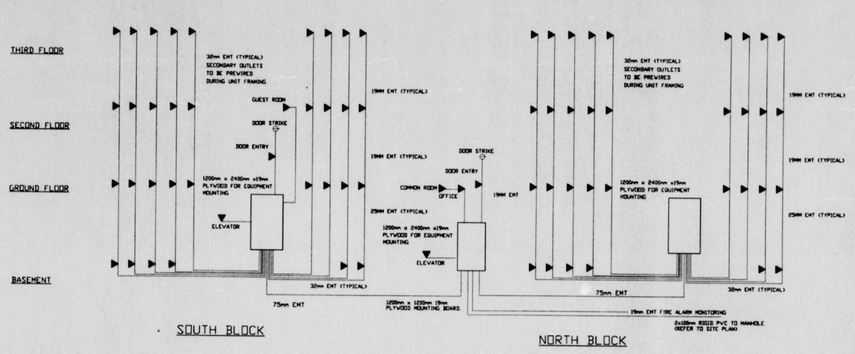
| drawn | date | scale |
|---|---|---|
| M.T. | JULY 1998 | 1:200 |

project 2059
drawing no. E4 OF 6
revision no.

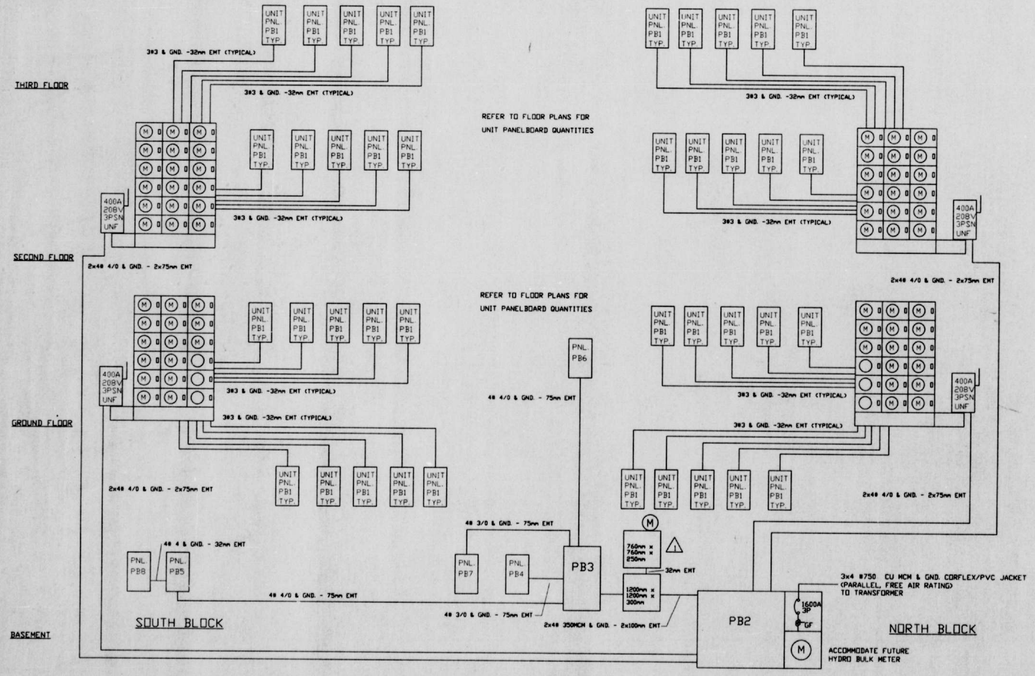
L. JONES 100134 PROVINCE OF ONTARIO



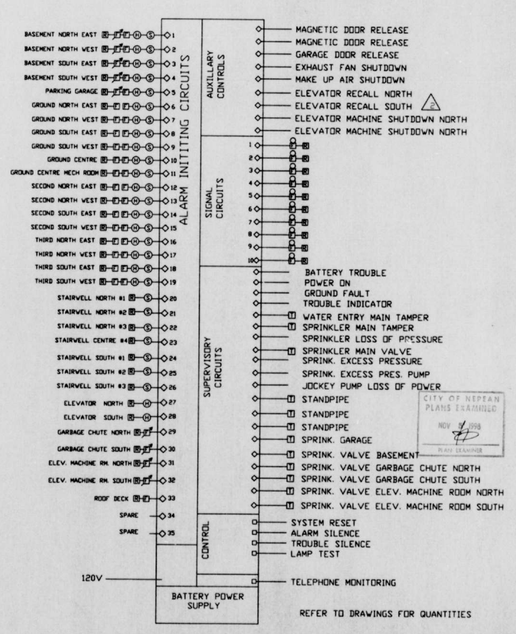

CABLE TV RISER
N.T.S.




TELEPHONE RISER
N.T.S.




DISTRIBUTION SCHEMATIC
N.T.S.




FIRE ALARM SCHEMATIC
N.T.S.

CITY OF NEPEAN PLANS EXAMINED NOV 4 1998 PLAN EXAMINER

NOTES:

1. WALL MOUNTED C.T. BOXES FOR COMMON SERVICES TO NEPEAN HYDRO STANDARDS.
2. WIRE RECALL TO ELEVATOR CONTROLLER FOR ALTERNATE FLOOR OPERATION. TYPICAL OF BLOCKS NORTH AND SOUTH.

| no. | date | revision |
|---|---|---|
| 2 | 98.10.12 | ISSUED FOR TENDER |
| 1 | 98.09.21 | ISSUED FOR PERMIT |

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
DISTRIBUTION, FIRE ALARM AND RISERS

| drawn | date | scale |
|---|---|---|
| M.F. | JULY 1998 | N.T.S. |

project 2059
drawing no. E5 of 6
revision no.

L. JONES REVISION

APLT
ADMC
ADMCN
ADMCS
ADAT
ADMI
ADMN
ANOT1
ANOT2
ANOT3
ANOT4
ARLT
ARDTN
AHAT
AHATB
ADP
ADPN
ADPS

# MECHANICAL CONNECTION SCHEDULE

ALL STARTERS TO BY SUPPLIED BY DIV. 16

| REF | DESCRIPTION | LOCATION | HP, KW or FLA | VOLTS,ph | OVER-LOAD | OVER-CURR | CABLE | DISC(BY DIV 15or16) | CONTROLS/COMMENTS |
|---|---|---|---|---|---|---|---|---|---|
| FC | FAN COIL | UNIT | 1.6-3.3A | 120V | Integral | 15A | #12 | TOGGLE SWITCH | PROVIDE TOGGLE SWITCH AND INSTALL THERMOSTAT |
| MUA1 | MAKE UP AIR UNIT | BSMT. | 15HP | 208V,3PH | 57A | 100A | #3 | WP,16 | INTERLOCK WITH C.O. CONNECT TO FIRE ALARM FOR SHUTDOWN |
| MUA2 | MAKE UP AIR UNIT | ROOF | 5HP | 208V,3PH | 21.25A | 40A | #6 | 16 | CONTROLS SUPPLIED BY DIV. 15. INSTALLED BY DIVISION 16 |
| EF1 | EXHAUST FAN | UNIT | 50W | 120V | NA | 15A | #12 | RECEPT. | SEE DWG. FOR CONTROL |
| EF2 | EXHAUST FAN | UNIT | 60W | 120V | NA | 15A | #12 | RECEPT. | SEE DWG. FOR CONTROL |
| EF3 | HOOD EXHAUST FAN | UNIT | 200W | 120V | NA | 15A | #12 | RECEPT. | INSTALL SWITCH AND FAN PROVIDE RECEPTACLE FOR FUTURE MICROWAVE/ HOOD |
| EF5 | GARAGE EXHAUST FAN | GAR. | 3/4HP | 208V, 1PH | | 20A | #12 | 16 | INSTALL AIR PROVING TO START MUA1 UPON AIR FLOW (2), CO CONTROLLED |
| EF6 | GARAGE EXHAUST FAN | GAR. | 147W | 120V | NA | 15A | #12 | 16 | PROVIDE TOGGLE SWITCH RUNS CONTINUOUSLY |
| EF7 | STORAGE EXHAUST | GAR. | 3.6A | 120V | NA | 15A | #12 | 16 | PROVIDE TOGGLE SWITCH RUNS CONTINUOUSLY |
| EF8 | STORAGE EXHAUST | STOR. | 3.6A | 120V | NA | 15A | #12 | 16 | PROVIDE TOGGLE SWITCH RUNS CONTINUOUSLY |
| EF9 | STORAGE EXHAUST | BSMT. | 3.6A | 120V | NA | 15A | #12 | 16 | PROVIDE SPUED SWITCH |
| EF10 | BOOSTER EXHAUST | BSMT. | 2.6A | 120V | NA | 15A | #12 | 16 | PROVIDE TOGGLE SWITCH RUNS CONTINUOUSLY |
| FU1 | FORCE FLOW HEATER | DWG. | 100W | 120V | NA | 15A | #12 | 16 | PROVIDE REMOTE THERMOSTAT |
| CU1 | FAN COIL CONDENSOR | ROOF | 9A to 18A | 208V,1PH | INT | 20A 30A | #8 | WP,16 | CONTROLS SUPLIED BY DIV 15. INSTALLED BY DIV. 16 ⚠1 |
| CU2 | FAN COIL CONDENSOR | ROOF | 21A | 208V,3PH | INT | 40A | #8 | WP,16 | CONTROLS SUPLIED BY DIV 15. INSTALLED BY DIV. 16 ⚠1 |
| HRV | HEAT RECOVERY UNIT | MECH. | 281/2HP | 120V | INT. | 20A | #12 | 16 | CONTROLS SUPLIED BY DIV 15. INSTALLED BY DIV. 16 |
| EL | ELEVATOR MOTOR | BSMT. & GND. | 30HP | 208V,3PH | | 225A | #3/0 | 16 | CO-OBDINATE WITH ELEV. SUPPLIER ⚠1 ⚠3 |
| HWT | HOT WATER TANK | UNIT | 100W | 120V | INT. | 15A | #12 | 16 | ELETRONIC CONTROL |
| JP | JOCKEY PUMP | BSMT. | 1/3HP | 120V | INT. | 15A | #2 | 16 | CONTROLS SUPLIED BY DIV 15. INSTALLED BY DIV. 16 MONITORED WITH F.A. |

## PANEL BOARD SCHEDULE# PB2

VOLTS: 208Y/120,4W,AMPS: 1600
No. OF CIRCUITS:
TYPE: BREAKER ☒,FUSE☐
SURFACE ☒,FLUSH☐

| | | |
|---|---|---|
| METER CENTRE 2ND. SOUTH | 400 | METER CENTRE GND. SOUTH |
| METER CENTRE 2ND. NORTH | 400 | METER CENTRE GND. NORTH |
| COMMON SERVICE PB3 | 800 | SPACE |

## PANEL BOARD SCHEDULE# PB3

VOLTS: 208Y/120,4W,AMPS: 800
No. OF CIRCUITS: 42
TYPE: BREAKER ☒,FUSE☐
SURFACE ☒,FLUSH☐

| | | |
|---|---|---|
| ELEVATOR SOUTH | 225 | ELEVATOR NORTH |
| PANEL PB4 | 200 | PANEL PB5 |
| FIRE ALARM | 15 | PANEL PB6 |
| MUA1 | 100 | PANEL PB7 |
| MUA2 | 40 | TELEPHONE RECEPTACLE |
| | | CABLE TV RECEPTACLE |
| MUA2 | 40 | |

## PANEL BOARD SCHEDULE# PB6

VOLTS: 208Y/120,4W,AMPS: 225
No. OF CIRCUITS: 42
TYPE: BREAKER ☒,FUSE☐
SURFACE ☐,FLUSH☒

| | | |
|---|---|---|
| HALLWAY C LIGHTS | 15 | LIGHT STAIR #1 & HALL B |
| HALLWAY B LIGHTS | 15 | HALL B & C RECEPTACLES |
| | 15 | EXIT SIGNS * |
| | 15 | LIBRARY LIGHTS & RECEPT. |
| | 15 | WASHROOMS & LIBRARY RECEPT. |
| | 15 | STORAGE LIGHTS & RECEPTACLES |
| RANGE | 70 | DRYER |
| SPLIT RECEPTACLE | 15 | WASHER |
| SPLIT RECEPTACLE | 15 | LAUNDRY RECEPTACLES |
| | 15 | LAUNDRY LIGHTS & FAN |
| FRIDGE | 15 | DISHWASHER |
| CU2 | 40 | SPLIT RECEPTACLE |
| | | HOBBY RM. LIGHTS |
| | | HOBBY RM. RECEPTACLES |
| MECH. RM. LIGHTS & RECEPT. | | COMMON RM. LIGHTS |
| EF3 | 15 | COMMON RM. RECEPTACLES |
| MICROWAVE | 15 | FITNESS RM. LIGHTING |
| | 15 | FITNESS RM. RECEPTACLES |
| CU2 | 40 | OFFICE RECEPTACLES |
| | | MAGNETIC DOOR HOLD * |
| | | OUTSIDE RECEPTACLES |
| | | FU1 |
| | | FU1 |
| GARAGE FORCE FLOW | 15 | HOT WATER TANK |
| | 15 | HRV |
| FIREPLACE | 15 | MECH. RM. LIGHT & RECEPTS. |

* LOCK ON BREAKER

## PANEL BOARD SCHEDULE# PB4

VOLTS: 208Y/120,4W,AMPS: 225
No. OF CIRCUITS: 66
TYPE: BREAKER ☒,FUSE☐
SURFACE ☒,FLUSH☐

| | | |
|---|---|---|
| OUTSIDE RECEPTACLES | 15 | 2KW FORCE FLOW STAIR #3 |
| GAS DETECTOR & LIGHTS | 15 | |
| HALL LIGHTS * | 15 | LIGHT STAIR #3 |
| HALL LIGHTS * | 15 | EXIT LIGHT * |
| TELEPHONE RECEPTACLE | 15 | EXIT LIGHT * |
| CABLE TV RECEPTACLE | 15 | MAG. DOOR LOCK |
| HALL LIGHTS * | 15 | JAN. RM. & HALL RECEPT. |
| HALL LIGHTS * | 15 | EXIT SIGNS LOBBY * |
| HALL LIGHTS * | 15 | 3KW BASEBOARD LOBBY |
| HALL LIGHTS * | 15 | |
| HALL LIGHTS * | 15 | 5KW FORCE FLOW ENTRY |
| LOBBY LIGHTS * | 15 | DOOR ENTRY |
| CAMERAS * | 15 | LOBBY & ELEV. OUTLETS |
| EF10 | 15 | AUTO DOOR OPERATOR (2) |
| STORAGE LIGHTS | 15 | STORAGE ROOM |
| EF2 | 15 | ELEVATOR CAB LIGHTS |
| STORAGE LIGHTS | 15 | LOBBY LIGHTS |
| STORAGE LIGHTS | 15 | LOUNGE BASEBOARD |
| EF8 | 20 | |
| LOUNGE LIGHTS | 15 | |
| LOUNGE RECEPTACLES | 15 | LOUNGE CU |
| LOUNGE FC | 15 | LIGHTS STAIR #2 |
| WASHROOM LIGHT & FAN | 15 | STAIR #2 BASEBOARD 1KW |
| HALLWAY LIGHTING | 20 | |
| LOUNGE FAN COIL | 15 | LOUNGE CU |
| LOUNGE RECEPTACLES | 30 | |
| | 15 | LOUNGE BASEBOARD |
| | 20 | HALLWAY RECEPTACLES |
| | 15 | SUMP PUMP |
| 3000W HOT WATER TANK | 20 | AUTO DOOR OPERATOR |
| | 20 | |

* LOCK ON BREAKER

## PANEL BOARD SCHEDULE# PB5

VOLTS: 208Y/120,4W,AMPS: 225
No. OF CIRCUITS: 66
TYPE: BREAKER ☒,FUSE☐
SURFACE ☒,FLUSH☐

| | | |
|---|---|---|
| OUTSIDE RECEPTACLES | 15 | 2KW FORCE FLOW STAIR #3 |
| GAS DETECTOR & LIGHTS | 15 | |
| HALL LIGHTS * | 15 | LIGHT STAIR #3 |
| HALL LIGHTS * | 15 | EXIT LIGHT * |
| TELEPHONE RECEPTACLE | 15 | EXIT LIGHT * |
| CABLE TV RECEPTACLE | 15 | MAG. DOOR LOCK |
| HALL LIGHTS * | 15 | JAN. RM. & HALL RECEPT. |
| HALL LIGHTS * | 15 | EXIT SIGNS LOBBY * |
| HALL LIGHTS * | 15 | 3KW BASEBOARD LOBBY |
| HALL LIGHTS * | 15 | |
| HALL LIGHTS * | 15 | 5KW FORCE FLOW ENTRY |
| LOBBY LIGHTS * | 15 | DOOR ENTRY |
| CAMERAS * | 15 | LOBBY & ELEV. OUTLETS |
| EF10 | 15 | AUTO DOOR OPERATOR (2) |
| STORAGE LIGHTS | 15 | STORAGE ROOM |
| EF9 | 15 | ELEVATOR CAB LIGHTS |
| STORAGE LIGHTS | 15 | LOBBY LIGHTS |
| STORAGE LIGHTS | 20 | LOUNGE BASEBOARD 3KW |
| EF8 | 15 | |
| LOUNGE LIGHTS | 15 | |
| LOUNGE RECEPTACLES | 30 | CU |
| LOUNGE FC | 15 | LIGHTS STAIR #2 |
| WASHROOM LIGHT & FAN | 20 | STAIR #2 BASEBOARD 1KW |
| HALLWAY LIGHTING | 15 | |
| LOUNGE FAN COIL | 30 | LOUNGE CU |
| LOUNGE RECEPTACLES | 15 | |
| | 20 | LOUNGE BASEBOARD |
| PANEL PB8 | 15 | HALLWAY RECEPTACLES |
| | 15 | SUMP PUMP |
| 3000W HOT WATER TANK | 20 | AUTO DOOR OPERATOR |
| | 20 | |

* LOCK ON BREAKER

## PANEL BOARD SCHEDULE# PB7

VOLTS: 208Y/120,4W,AMPS: 225
No. OF CIRCUITS: 66
TYPE: BREAKER ☒,FUSE☐
SURFACE ☒,FLUSH☐

| | | |
|---|---|---|
| EF5 | 15 | GARAGE LIGHTING * |
| | 15 | GARAGE LIGHTING * |
| EF7 | 15 | GARAGE LIGHTING * |
| EF6 | 15 | GARAGE LIGHTING * |
| EF5 | 15 | GARAGE LIGHTING * |
| EF7 | 15 | GARAGE LIGHTING * |
| * CO DETECTOR | 15 | GARAGE LIGHTING * |
| * CO DETECTOR | 15 | GARAGE LIGHTING * |
| * CO DETECTOR | 15 | GARAGE DOOR OPERATOR |
| WORKSHOP RECEPTACLES | 15 | |
| WORKSHOP LIGHTING | 15 | EXIT SIGNS * |
| WORKSHOP RECEPTACLES | 15 | FU1 |
| MECH. GAR. LIGHTING | 15 | OUTSIDE LIGHTING |
| GARAGE RECEPTACLES | 15 | OUTSIDE LIGHTING |
| GARAGE RECEPTACLES | 15 | OUTSIDE LIGHTING ⚠ |
| | 15 | OUTSIDE LIGHTING |
| | 15 | OUTSIDE LIGHTING ⚠ |
| OUTSIDE RECEPTACLE | 15 | OUTSIDE LIGHTING |
| OUTSIDE RECEPTACLE | 15 | OUTSIDE LIGHTING ⚠ |
| OUTSIDE RECEPTACLE | 15 | JOCKEY PUMP |
| OUTSIDE RECEPTACLE | 15 | SUMP PUMP |
| | 20 | HEATING CABLE |

* LOCK ON BREAKER

## TYPICAL UNIT PANEL BOARD SCHEDULE# PB1

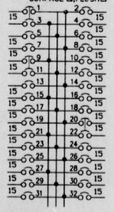
VOLTS: 208Y/120,3W,AMPS: 125
No. OF CIRCUITS: 32
TYPE: BREAKER ☒,FUSE☐
SURFACE ☐,FLUSH☒

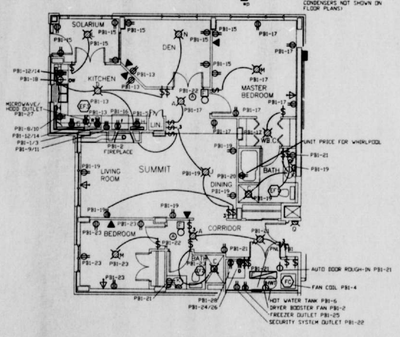
| | | |
|---|---|---|
| RANGE | 50 | FIRE PLACE & DRYER BOOSTER FAN |
| | | FAN COIL |
| SPLIT RECEPTACLE | 15 | HOT WATER TANK |
| | | SPLIT RECEPTACLE |
| SPLIT RECEPTACLE | 15 | |
| EF3 & KITCHEN | 15 | SPLIT RECEPTACLE |
| SOLARIUM & DEN | 15 | FRIDGE |
| BEDROOM 7 HALL | 15 | DISHWASHER |
| WASHROOM & DINING | 15 | WHIRLPOOL GFI BREAKER |
| WASHROOM GROUND FAULT | 15 | SECURITY & SMOKE ALARM * |
| LIVING & BEDROOM | 15 | DRYER |
| FREEZER | 15 | |
| MICROWAVE/HOOD | 15 | WASHER |
| | 15 | A/C CONDENSER ⚠ |

* LOCK ON BREAKER

## PANEL BOARD SCHEDULE# PB8

VOLTS: 208Y/120,4W,AMPS: 225
No. OF CIRCUITS: 66
TYPE: BREAKER ☒,FUSE☐
SURFACE ☒,FLUSH☐






TYPICAL UNIT DISTRIBUTION
N.T.S.

## NOTES:

⚠1 PROVIDE APPROVED DISCONNECTS C/W AUXILIARY CONTACTS FOR ELEV. MOTOR. INSTALL CAB LIGHT CIRCUITS AND PIT DEVICES AS DIRECTED ON SITE BY SUPPLIER. PROVIDE 200A 3P CONTACTOR WIRED TO FIRE ALARM AUXILIARY CONTACTS TO ROOM FLOW SWITCH

⚠2 PROVIDE 3x4-POLE CONTACTOR C/W MANUAL OVERIDE SWITCH IN MAIN OFFICE

⚠3 PROVIDE 2HR FIRE RATED CONDUCTORS TO FEED ELEVATOR MOTOR FROM PANEL BOARD

⚠4 CO-ORDINATE BREAKER SIZE WITH EQUIPMENT SUPPLIED UNITS INSTALLED ON ROOF

| no | date | revision |
|---|---|---|
| 2 | 98 10 12 | ISSUED FOR TENDER |
| 1 | 98 09 21 | ISSUED FOR PERMIT |

It is the responsibility of the appropriate contractor to check and verify all dimensions on site and report all errors and/or omissions to the architect.

All contractors must comply with all pertinent codes and by-laws.

Do not scale drawings.

This drawing may not be used for construction until signed.

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CITY OF NEPEAN PLANS EXAMINER NOV 4 1998

project:
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

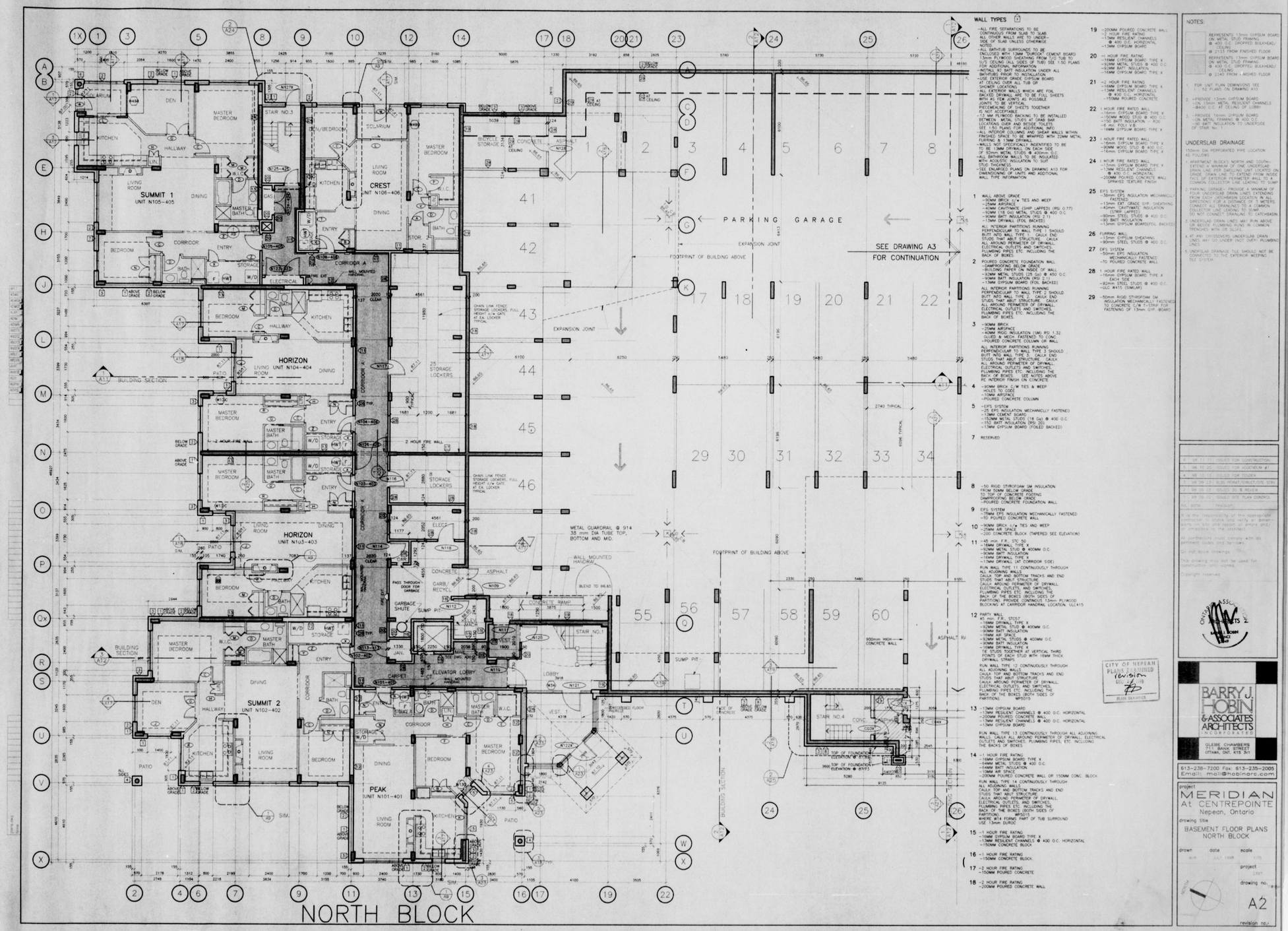
drawing title:
MECHANICAL EQUIPMENT AND PANELBOARD SCHEDULES

| drawn | date | scale |
|---|---|---|
| M.T. | JULY 1998 | N.T.S. |

project 2059

drawing no. E6 OF 6

revision no.




WALL TYPES

-ALL FIRE SEPARATIONS TO BE CONTINUOUS FROM SLAB TO SLAB.
-ALL EXTERIOR WALLS TO EXTEND FROM SIDE OF SLAB UNLESS OTHERWISE NOTED.
-ALL BATHTUB SURROUNDS TO BE ENCLOSED WITH 13MM "DUROCK" CEMENT BOARD OVER 1.5mm PLYWOOD SHEATHING FROM T/O TUB TO U/S CEILING (ALL SIDES OF TUB) SEE 1:50 PLANS FOR ADDITIONAL INFORMATION.
-INSTALL 92 BATT INSULATION UNDER ALL BATHTUBS ON EXTERIOR WALLS.
-ATTIC ENTRY: GRADE GYPSUM BOARD CEILING OVER ALL TUB OR SHOWER LOCATIONS.
-ALL EXTERIOR WALLS WHICH ARE FOIL BACKED DRYWALL ARE TO BE FULL SHEETS WITH AS FEW JOINTS AS POSSIBLE. JOINTS TO BE VERTICAL.
PIECEMEALING OF SHEETS TOGETHER IS NOT ACCEPTABLE.
-ALL EXTERIOR BACKING TO BE INSTALLED BETWEEN METAL STUDS AT GRAB BAR LOCATIONS OVER AND BESIDE TOILETS. SEE 1:50 PLANS FOR ADDITIONAL INFO.
-ALL INTERIOR COLUMNS AND SHEAR WALLS WITHIN FINISHED SPACE TO BE WRAPPED WITH 22MM METAL FURRING & 13MM DRYWALL.
-WALLS NOT SPECIFICALLY INDENTIFIED TO BE TO BE 13MM DRYWALL ON EACH SIDE OF 92MM METAL STUDS @ 400mm O.C.
-ALL BATHROOM WALLS TO BE INSULATED WITH ACOUSTIC INSULATION TO SUIT STUD THICKNESS.
-SEE ENLARGED PLANS ON DRAWING A10 FOR DIMENSIONING OF UNITS AND ADDITIONAL WALL TYPE INFORMATION

1 WALL ABOVE GRADE
-90MM BRICK c/w TIES AND WEEP
-25MM AIRSPACE
-60MM CAVITYMATE (SHIP LAPPED) (RSI 0.77)
-92MM METAL STUDS @ 400 O.C.
-90MM BATT INSULATION (RSI 3.1)
-13MM DRYWALL (FOIL BACKED)

ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL 1 SHOULD BUTT INTO WALL TYPE 1. CAULK END STUDS THAT ABUT STRUCTURE. CAULK ALL AROUND PERIMETER OF DRYWALL. ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES.

2 POURED CONCRETE FOUNDATION WALL
-DAMPROOFING BELOW GRADE
-BUILDING PAPER ON INSIDE OF WALL
-92MM METAL STUDS (25 Ga) @ 450 O.C.
-90MM BATT INSULATION (RSI 3.1)
-13MM GYPSUM BOARD (FOIL BACKED)

ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL TYPE 2 SHOULD BUTT INTO WALL TYPE 2. CAULK END STUDS THAT ABUT STRUCTURE. CAULK ALL AROUND PERIMETER OF DRYWALL. ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES.

3 -90MM BRICK
-25MM AIRSPACE
-RIGID INSULATION (SM) RSI 1.32
-GLUED W/ MECH. FASTENED TO CONC.
-POURED CONCRETE COLUMN OR WALL

ALL INTERIOR PARTITIONS RUNNING PERPENDICULAR TO WALL TYPE 3 SHOULD BUTT INTO WALL TYPE 3. CAULK END STUDS THAT ABUT STRUCTURE. CAULK ALL AROUND PERIMETER OF DRYWALL. ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF BOXES. SEE NOTES ABOVE RE INTERIOR FINISH ON CONCRETE

4 -90MM BRICK C/W TIES & WEEP HOLES TO CODE
-10MM AIRSPACE
-POURED CONCRETE COLUMN

5 -EIFS SYSTEM
-25 EPS INSULATION MECHANICALLY FASTENED
-13MM CEMENT BOARD
-152MM METAL STUDS (18 Ga) @ 400 O.C.
-152 BATT INSULATION (RSI 2.6)
-13MM GYPSUM BOARD (FOILED BACKED)

7 RESERVED

8 -50 RIGID STYROFOAM SM INSULATION FROM 50MM BELOW GRADE
-200MM POURED CONCRETE FOOTING
-DAMPROOFING BELOW GRADE
-POURED CONCRETE FOUNDATION WALL

9 EIFS SYSTEM
-75MM EPS INSULATION MECHANICALLY FASTENED
-TO POURED CONCRETE WALL

10 -90MM BRICK c/w TIES AND WEEP
-25MM AIR SPACE
-200 CONCRETE BLOCK (TAPERED SEE ELEVATION)

11 -45 min. F.R. STC-50
-16MM DRYWALL TYPE X
-92MM METAL STUD @ 400MM O.C.
-90MM BATT INSULATION
-16MM DRYWALL TYPE X
-13MM DRYWALL (AT CORRIDOR SIDE)

RUN WALL TYPE 11 CONTINUOUSLY THROUGH ALL ADJOINING WALLS
CAULK TOP AND BOTTOM TRACKS AND END STUDS THAT ABUT STRUCTURE
CAULK AROUND PERIMETER OF DRYWALL, ELECTRICAL OUTLETS, AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF THE BOXES (BOTH SIDES OF PARTITION) PROVIDE CONTINOUS 13mm PLYWOOD BLOCKING AT CARRIDOR HANDRAIL LOCATION. DLC-415

12 PARTY WALL
45 min. F.R., STC57
-16MM DRYWALL TYPE X
-92MM METAL STUD @ 400MM O.C.
-90MM BATT INSULATION
-16MM AIR SPACE
-92MM METAL STUDS @ 400MM O.C.
-90MM BATT INSULATION
-16MM DRYWALL TYPE X
-16MM DRYWALL TYPE X (VERTICAL THIRD POINTS OF EACH STUD WITH 16MM THICK DRYWALL STRIPS

RUN WALL TYPE 12 CONTINUOUSLY THROUGH ALL ADJOINING WALLS
CAULK TOP AND BOTTOM TRACKS AND END STUDS THAT ABUT STRUCTURE
CAULK AROUND PERIMETER OF DRYWALL, ELECTRICAL OUTLETS, AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF THE BOXES (BOTH SIDES OF PARTITION) MPS015

13 -13MM GYPSUM BOARD
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-200MM POURED CONCRETE WALL
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-13MM GYPSUM BOARD

RUN WALL TYPE 13 CONTINUOUSLY THROUGH ALL ADJOINING WALLS. CAULK ALL AROUND PERIMETER OF DRYWALL, ELECTRICAL OUTLETS AND SWITCHES, PLUMBING PIPES, ETC. INCLUDING THE BACKS OF BOXES

14 -1 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-64MM METAL STUDS @ 400 O.C.
-64MM BATT INSULATION
-10MM AIR SPACE
-200MM POURED CONCRETE WALL OR 150MM CONC. BLOCK

RUN WALL TYPE 14 CONTINUOUSLY THROUGH ALL ADJOINING WALLS
CAULK TOP AND BOTTOM TRACKS AND END STUDS THAT ABUT STRUCTURE
CAULK AROUND PERIMETER OF DRYWALL, ELECTRICAL OUTLETS, AND SWITCHES, PLUMBING PIPES ETC. INCLUDING THE BACK OF THE BOXES (BOTH SIDES OF PARTITION) MPS015
WHERE #14 FORM PART OF TUB SURROUND USE 13mm DUROC

15 -1 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-150MM CONCRETE BLOCK

16 -1 HOUR FIRE RATING
-150MM CONCRETE BLOCK.

17 -2 HOUR FIRE RATING
-150MM POURED CONCRETE

18 -2 HOUR FIRE RATING
-200MM POURED CONCRETE WALL

19 -200MM POURED CONCRETE WALL
-2 HOUR FIRE RATING
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-13MM GYPSUM BOARD

20 -1 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-92MM METAL STUDS @ 400 O.C.
-92MM BATT INSULATION
-16MM GYPSUM BOARD TYPE X

21 -2 HOUR FIRE RATING
-16MM GYPSUM BOARD TYPE X
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZONTAL
-150MM POURED CONCRETE

22 1 HOUR FIRE RATED WALL
-16mm GYPSUM BOARD TYPE X
-152MM WOOD STUD @ 400 O.C.
-150 BATT INSULATION + R20
-6 mil POLY V.B.
-16MM GYPSUM BOARD TYPE X

23 1 HOUR FIRE RATED WALL
-16mm GYPSUM BOARD TYPE X
-90MM WOOD STUD @ 400 O.C.
-16mm GYPSUM BOARD TYPE X

24 1 HOUR FIRE RATED WALL
-13mm GYPSUM BOARD TYPE X
-13MM RESILIENT CHANNELS @ 400 O.C. HORIZATAL
-200MM POURED CONCRETE WALL SPRAYED TEXTURE FINISH

25 EIFS SYSTEM
-50mm EPS INSULATION MECHANICALLY FASTENED
-13mm EXT. GRADE GYP. SHEATHING
-40mm CAVITYMATE INSULATION (STRIP LAPPED)
-90mm STEEL STUDS @ 400 O.C.
-90 BATT INSULATION
-13mm GYPSUM BOARD(FOIL BACKED)

26 FURRING WALL
-13mm GYPSUM SHEATHING
-90mm STEEL STUDS @ 400 O.C.

27 EIFS SYSTEM
-50mm EPS INSULATION MECHANICALLY FASTENED
-TO POURED CONCRETE WALL

28 1 HOUR FIRE RATED WALL
-16mm GYPSUM BOARD TYPE X
EACH SIDE
-92mm STEEL STUDS @ 400 O.C.
-ADD #415 (15MLAY)

29 -50mm RIGID STYROFOAM SM INSULATION MECHANICALLY FASTENED TO CONCRETE C/W 1-STRIP FUR FASTENING OF 13mm GYP. BOARD

NOTES:

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING @ 400 O.C. DROPPED BULKHEAD/ CEILING @ 2133 FROM FINISHED FLOOR

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING @ 400 O.C. DROPPED BULKHEAD/ CEILING @ 2240 FROM FINISHED FLOOR

1. FOR UNIT PLAN DEMENSIONS SEE 1:50 PLANS ON DRAWING A10

2. -PROVIDE 13mm GYPSUM BOARD ON 13mm METAL RESILIENT CHANNELS @400 O.C. AT CEILING OF LOBBY

3. -PROVIDE 16mm GYPSUM BOARD ON METAL FRAMING @ 400 O.C. -W/ BATT INSULATION TO UNDERSIDE OF STAIR No.1

UNDERSLAB DRAINAGE

150mm DIA PERFORATED PIPE LOCATION AS FOLLOWS

1. APARTMENT BLOCKS NORTH AND SOUTH- EXTEND A MINIMUM OF ONE UNDERSLAB DRAIN LINE PER DWELLING UNIT LOCATED ON GRADE. DRAIN LINE TO EXTEND FROM INSIDE FACE OF EXTERIOR PERIMETER WALL TO A COMMON COLLECTOR LINE LEADING TO SUMP.

2. PARKING GARAGE- PROVIDE A MINIMUM OF FOUR UNDERSLAB DRAIN LINES EXTENDING FROM EACH CATCHBASIN LOCATION IN ALL DIRECTIONS FOR A DISTANCE OF 1 METERS. CONNECT ALL DRAIN LINES TO A COMMON COLLECTOR LINE LEADING TO SUMP. DO NOT CONNECT DRAINAGE TO CATCHBASIN.

3. UNDERSLAB DRAIN LINES MAY RUN ABOVE OR BESIDE PLUMBING RVNS IN COMMON TRENCHES WITH 0% SLOPE.

4. AT ANY CROSSOVERS UNDERSLAB DRAIN LINES MAY GO UNDER (NOT OVER) PLUMBING RVNS.

5. UNDERSLAB DRAINAGE TILE SHOULD NOT BE CONNECTED TO THE EXTERIOR WEEPING TILE SYSTEM.

| no. | date | revision |
|---|---|---|
| 6 | 98.11.11 | ISSUED FOR CONSTRUCTION |
| 5 | 98.10.20 | ISSUED FOR ADDENDUM #1 |
| 4 | 98.10.06 | ISSUED FOR CONSTRUCTION |
| 3 | 98.09.23 | BLDG PERMIT/SPEC/SITE PLAN |
| 2 | 98.09.03 | ISSUED 30 % REVIEW |
| 1 | 98.08.01 | ISSUED SITE PLAN CONTROL |

It is the responsibility of the appropriate contractor to check and verify all dimensions and to report errors and/or omissions to the architect.
All contractors must comply with all pertinent codes and by-laws.
Do not scale drawings.
This drawing may not be used for construction until signed.
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CITY OF NEPEAN PLANS EXAMINED (revision 6) JULIAN SEAMONE

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

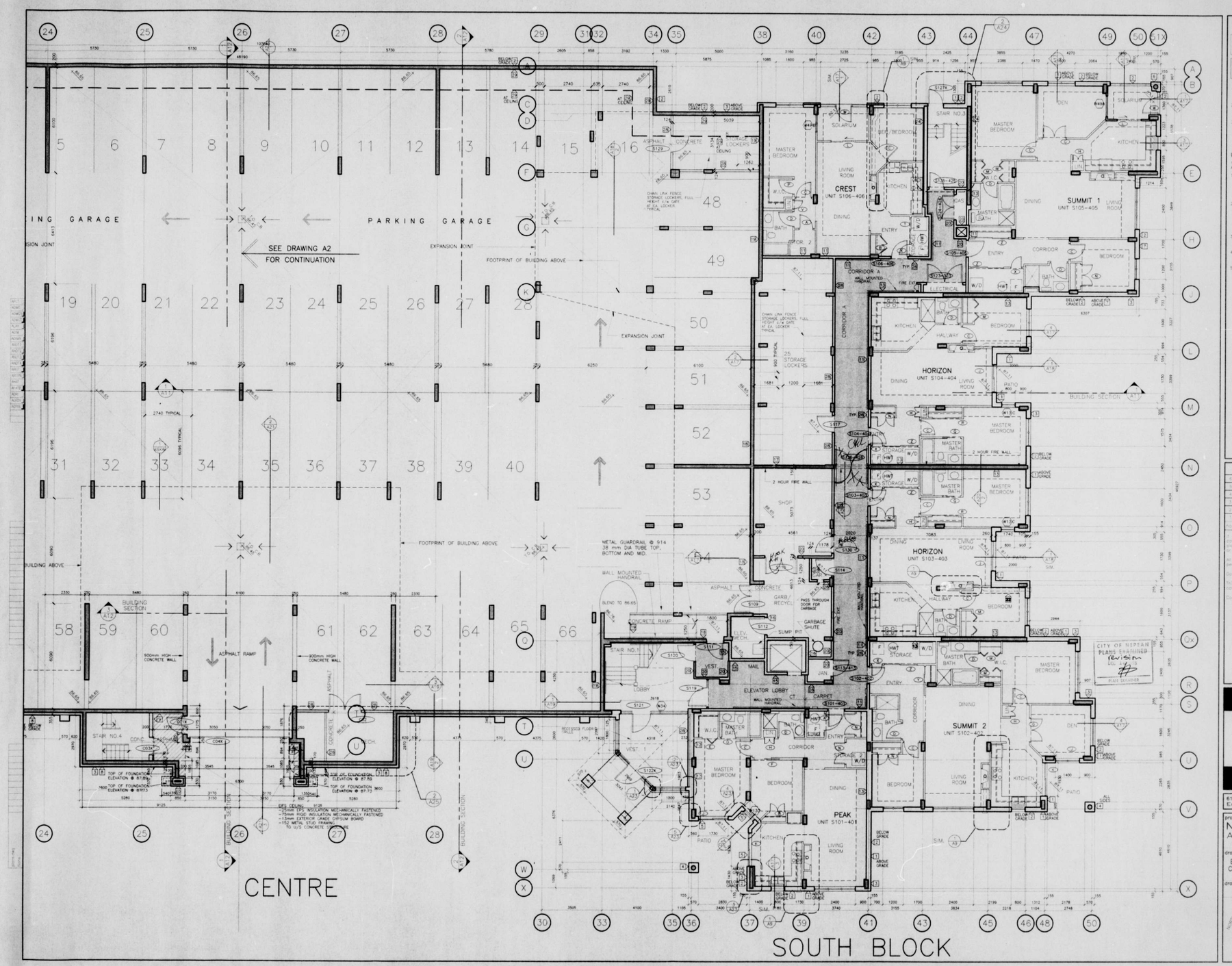
drawing title
BASEMENT FLOOR PLANS
NORTH BLOCK

drawn | date | scale
RJH | JULY 1998 | 1/16"=1'-0"

project
2397

drawing no.
A2

revision no.




NOTES:

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING @ 400 O.C. DROPPED BULKHEAD/ CEILING @ 2133 FROM FINISHED FLOOR

REPRESENTS 13mm GYPSUM BOARD ON METAL STUD FRAMING @ 400 O.C. DROPPED BULKHEAD/ CEILING @ 2240 FROM FINISHED FLOOR

1. FOR UNIT PLAN DEMENSIONS SEE 1 - 50 PLANS ON DRAWING A10
2. -PROVIDE 13mm GYPSUM BOARD ON 13mm METAL RESILIENT CHANNELS @400 O.C. AT CEILING OF LOBBY
3. -PROVIDE 16mm GYPSUM BOARD ON METAL FRAMING @ 400 O.C. -50 BATT INSULATION TO UNDERSIDE OF STAIR No. 1

**UNDERSLAB DRAINAGE**

150mm DIA PERFORATED PIPE LOCATION AS FOLLOWS:

1. APARTMENT BLOCKS NORTH AND SOUTH- EXTEND A MINIMUM OF ONE UNDERSLAB DRAIN LINE PER DWELLING UNIT LOCATED ON GRADE. DRAIN LINE TO EXTEND FROM INSIDE FACE OF EXTERIOR PERIMETER WALL TO A COMMON COLLECTOR LINE LEADING TO SUMP.
2. PARKING GARAGE - PROVIDE A MINIMUM OF FOUR UNDERSLAB DRAIN LINES EXTENDING FROM EACH CATCHBASIN LOCATION IN ALL DIRECTIONS FOR A DISTANCE OF 3 METERS. CONNECT ALL DRAINLINES TO A COMMON COLLECTOR LINE LEADING TO SUMP. DO NOT CONNECT DRAINLINE TO CATCHBASIN.
3. UNDERSLAB DRAIN LINES MAY RUN ABOVE OR BESIDE PLUMBING RUNS IN COMMON TRENCHES WITH O/S SLOPE.
4. AT ANY CROSSOVERS UNDERSLAB DRAIN LINES MAY GO UNDER UNIT DWER PLUMBING LINES.
5. UNDERSLAB DRAINAGE TILE SHOULD NOT BE CONNECTED TO THE EXTERIOR WEEPING TILE SYSTEM.

| | |
|---|---|
| 6 | 98.11.17 ISSUED FOR CONSTRUCTION |
| 5 | 98.10.20 ISSUED FOR ADDENDUM #1 |
| 4 | 98.10.13 ISSUED FOR TENDER |
| 3 | 98.09.23 H.R.D. PERMIT/STRUCT/SITE SERV. |
| 2 | 98.09.17 ISSUED 50 % REVIEW |
| 1 | 98.09.02 ISSUED SITE PLAN CONTROL |
| no. | revision |

it is the responsibility of the appropriate contractor to check and verify all dimensions on site and report all errors and/or omissions to the architect.

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do not scale drawings.

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CITY OF NEPEAN PLANS EXAMINER revision DEC. PLANS EXAMINER

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project
MERIDIAN
At CENTREPOINTE
Nepean, Ontario

drawing title
BASEMENT FLOOR PLANS
CENTRE & SOUTH BLOCK

| drawn | date | scale |
|---|---|---|
| RJH | JULY 1998 | 1:200 |

project 3397

drawing no. A3

revision no.

## GENERAL NOTES

### 1. CONCRETE

1.2 FOUNDATION

.1 ALL FOOTINGS TO BEAR ON APPROVED UNDISTURBED SOIL. OBTAIN WRITTEN REPORT FROM SOIL ENGINEER PRIOR TO PLACING CONCRETE.

.2 ALLOWABLE BEARING CAPACITY USED IN THE FOOTING DESIGN IS AS NOTED ON TABLES 1 & 2 IN FOUNDATION INVESTIGATION REPORT BY PATERSON ASSOC. LTD.

.3 BEARING SURFACE TO BE INSPECTED BY THE SOILS ENGINEER PRIOR TO PLACING CONCRETE.

.4 IF REQUIRED, PROVIDE 50 mm MUD SLAB (10 MPa) AS DIRECTED BY SOILS ENGINEER

.5 FOR FURTHER INFORMATION SEE SOIL REPORT NO. 971-2171 PREPARED BY PATERSON ASSOCIATES LTD.

.6 SLOPE FOOTINGS AS INDICATED ON PLAN AT THE RATE OF 2 HORIZONTAL TO 1 VERTICAL MAX. SLOPED SURFACE 1.5 m

.7 DO NOT BACKFILL FOUNDATION WALLS UNTIL GROUND FLOOR SLABS ARE IN PLACE AND APPROVAL OF THIS OFFICE.

1.3 SLAB ON GRADE

.1 PROVIDE 1 LAYER OF 152 x 152 MW WWM OR 152 x 152 WWM AT MID DEPTH OF SLAB ON GRADE

.2 FOR COMPOSITION AND COMPACTION OF FILL SUPPORTING SLABS ON GRADE SEE SOIL REPORT NOTED ABOVE

.3 PROVIDE 13 MM ASPHALT IMPREGNATED FIBERBOARD OR 2 LAYERS OF 6 MIL POLYETHYLENE BETWEEN SLAB ON GRADE AND FOUNDATION WALLS OR COLUMNS.

.4 CONCRETE SLAB ON GRADE TO 20mm DEEP WITHIN 24 HOURS AFTER POUR. MAX SPACING 5000 mm

1.4 MATERIALS

.1 CONCRETE WORK TO CONFORM WITH CAN/CSA A23.1-M90.
.1 TYPE 10 CEMENT
.2 20mm NOMINAL SIZE COARSE AGGREGATE
.3 SLUMP 75mm
.4 w/c RATIO 0.5 UNLESS NOTED

.2 CONCRETE STRENGTH AT 28 DAYS:

| | |
|---|---|
| .1 FOOTINGS | 25 MPa |
| .2 FOUNDATION WALLS | 25 MPa |
| .3 SHEAR WALLS | 25 MPa |
| .4 COLUMNS | 25 MPa |
| .5 SLABS | |
| SLAB ON GRADE | 25 MPa |
| RAMPS | 32 MPa |
| SUSPENDED FLOORS | 25 MPa |
| PILES/PILE CAPS | 30 MPa |

RAMPS, BALCONIES, RETAINING WALL AND OTHER EXTERIOR WORK TO HAVE 5 TO 8% AIR ENTRAINMENT AND 0.4 MAXIMUM WATER/CEMENT RATIO

.3 REINFORCING STEEL TO BE DEFORMED GRADE 4432 WITH FY = 400 MPa.

### 1. CONCRETE CONT'D

1.5 TESTING

.1 ONE CONCRETE TEST FOR EACH 75 m³ OF EACH CLASS OF CONCRETE TO BE PLACED

1.6 CONCRETE COVER

.1 FOOTINGS

| | |
|---|---|
| BOTTOM | 75 mm |
| TOP/SIDES | 50 mm |
| .2 BEAMS | 40 mm |
| .3 FOUNDATION WALLS U/N | 40 mm |
| .4 COLUMNS | 40 mm |
| .5 SUSPENDED SLAB U/N | 25 mm |

1.7 REINFORCING STEEL DESIGNATION

8 -20M X 1500 T/B

8 = NUMBER OF BARS
20M = SIZE OF BARS
1500 = LENGTH OF BARS IN MM
T = TOP
B = BOTTOM

1.8 DOWELS

DOWELS TO FOOTINGS TO BE OF THE SAME DIAMETER SIZE AS THE LOWEST LIFT OF VERTICAL BARS IN COLUMNS PILES OR WALLS.

1.9 REINFORCING STEEL SPLICES

.1 REINFORCING STEEL SPLICES TO BE 36 BAR DIAMETERS UNLESS OTHERWISE SPECIFIED ON PLANS.

.3 FABRICATE & PLACE REINFORCING TO CAN 3-A23.1-M85

1.10 SUSPENDED SLABS

.1 AT SLAB OPENINGS DISPLACE REINFORCING TO EACH SIDE. DO NOT CUT BARS.

.2 ALL BOTTOM STEEL IS TO HAVE A MINIMUM EMBEDMENT OF 150 mm AT SUPPORTING WALLS AND BEAMS.

.3 FOR INTERIOR SPANS, PLACE TOP BARS LOCATED WITHIN THE CENTER HALF OF SUPPORT AND PLACE BOTTOM BARS SYMMETRICALLY ABOUT SPAN UNLESS OTHERWISE NOTED.

### 3. MASONRY

.1 STANDARD CONCRETE MASONRY UNITS TO C.S.A 165.1-M1985.

.2 CONCRETE BLOCK TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 20 MPa UNLESS NOTED OTHERWISE ON PLANS.

.3 MORTAR FOR EXTERIOR MASONRY

.1 LOADBEARING: TYPE S BASED ON PROPERTY SPECIFICATIONS.
.2 NON-LOADBEARING: TYPE N BASED ON PROPORTION SPECIFICATIONS.
.3 PARAPET/UNPROTECTED WALLS : TYPE S BASED ON PROPERTY SPECIFICATIONS.
.4 GROUT 20 MPa MIN.

.4 50 MASONRY AND GROUT WORK IN ACCORDANCE WITH C.S.A. A179-M1979.

.5 BOND: RUNNING STRETCHER

.6 CUT OUT NEATLY FOR ELECTRICAL SWITCHES, OUTLET BOXES, AND OTHER RECESSED OR BUILT-IN OBJECTS.

.7 MASONRY REINFORCEMENT.

.1 150 mm CONCRETE BLOCK:
VERT:-15M @ 1000 mm o/c
HORIZ: SWR @ 400 mm o/c

.2 190 mm CONCRETE BLOCK:
VERT: 1-20M @ 1200 mm o/c
HORIZ: SWR @ 200 mm o/c
+ ENDUR @ 1200 mm o/c

SWR = STANDARD MASONRY REINFORCING
2 - 9 GAUGE SIDE RODS.

HDWR = HEAVY DUTY MASONRY REINF.
2 - 5 mm SIDE RODS.

ENDUR = EXTRA HEAVY DUTY MASONRY REINFORCING
2 - 9 mm SIDE RODS 5 mm CROSS RODS

PROVIDE VERTICAL DOWELS FOR MASONRY FROM CONCRETE ELEMENTS SIZE AND SPACING OF DOWELS TO MATCH VERTICAL MASONRY REINFORCING.

.8 WIRE REINFORCEMENT TO C.S.A. A370-M1984 TRUSS TYPE, TIE FOR CAVITY WALLS.

.9 METAL TIES TO CAN 3-A82-M84

.1 CORRUGATED TIES: MIN. 1.2mm THICK x 25mm LOUTH TO SUIT, MORING BOXE EMBOSSED, HOT DIP GALVANIZED.

.10 SHR TYPE REINFORCEMENT: TO C.S.A A370-M84, C.S.A G30.12-M77, TYPE 400.

.11 LAP HORIZONTAL STEEL 150 mm
VERTICAL STEEL 36x BAR DIAMETER

.1 SUBMIT LABORATORY TEST REPORTS TESTIFYING THAT MASONRY UNITS COMPLY WITH SPECIFICATION REQUIREMENTS.

.2 SUPPLEMENT REQUIREMENTS OF CAN3-S304-M84 AND CAN3-A371-M84 AS FOLLOWS

.1 ENSURE THAT MATERIALS ARE DELIVERED TO JOB SITE IN DRY CONDITION

.2 STORE UNDER WATERPROOF COVER ON PALLETS OR PLANK PLATFORMS HELD OFF GROUND BY MEANS OF PLANK OR TIMBER SKIDS.

.3 PROVIDE TEMPORARY BRACING OF MASONRY WORK DURING AND AFTER ERECTION UNTIL PERMANENT LATERAL SUPPORT IS IN PLACE.

### 4. STRUCTURAL STEEL

.1 STRUCTURAL STEEL SHALL COMPLY WITH CAN/CSA-S16.1-M89.
HOLLOW STRUCTURAL STEEL SECTIONS TO BE GRADE 640.21 k300W Fy = 350 MPa.

.2 STEEL PLATE TO BE GRADE A36 WITH Fy = 245 MPa.

.3 ALL OTHER STRUCTURAL STEEL TO BE GRADE 640.21 k300W WITH Fy = 300 MPa.

.4 ANCHOR BOLTS TO BE A307.

.5 ALL OTHER BOLTS TO BE A325.

.6 WELDING TO CSA STANDARD W59.

.7 SHOP PAINT PRIMER: TO C.S.A W59-M89

.8 ERECT STRUCTURAL STEEL AS INDICATED TO CAN3-S16.1-M89 AND C.S.A S136-M89 AND IN ACCORDANCE WITH SHOP DRAWINGS AND APPLICABLE SAFETY CODES.

.9 STEEL JOISTS

.1 DO WORK TO CAN/CSA-S16.1-M89 AND CAN/CSA S136-1984.

.2 DO WELDING TO CSA W59-M89

.3 DESIGN STEEL JOISTS TO CARRY LOADS INDICATED ON DRAWINGS. SUBMIT SHOP DRAWINGS INCLUDING CALCULATIONS CERTIFIED BY PROFESSIONAL ENGINEER OF ONTARIO.

.4 CLEAN & PREPARE AND SHOP PRIME TO CGSB 1-GP-40d

.5 PROVIDE BRIDGING IN ACCORDANCE WITH CAN/CSA-S16.1-M89

.10 STEEL ROOF DECK

.1 ROOF DECK TO BE 38mm DP. 0.91 mm THICK (20 GAUGE).

.2 BUTTON PUNCH SIDE LAPS AT 600 mm O/C MAXIMUM.

.3 LONGITUDINAL WELD SPACING TO BE 900 mm o/c MAXIMUM EACH JOIST.

.4 TRANSVERSE WELD SPACING TO BE 3 WELDS FOR 600mm WIDE DECK UNITS AT EACH JOIST.

.5 WELDS TO BE 13mm EFFECTIVE DIAMETER ARC SPOT WELDS STEEL WASHERS ARE TO BE USED WHERE NECESSARY TO PREVENT BURN THROUGH OF DECK ON STEEL MEMBERS BY WELDS.

.6 STEEL DECKING SHALL SAFELY CARRY DEAD AND LIVE LOADS AS INDICATED.

.7 DEFLECTION UNDER LIVE LOAD ONLY SHALL NOT EXCEED 1/240th OF SPAN.

.8 SHEET STEEL TO ASTM A446-76 AND GALVANIZED TO ASTM-B1 WITH G-90 ZINC COATING, GRADE A STRUCTURAL QUALITY.

.9 PRIMER: ZINC RICH, READY MIX TO CCSB 1-GP-181M+Amdt-MAR-78.

.11 GUARDRAILS AND STAIRS

.1 ALL GUARDRAILS AND CONNECTIONS TO BE DESIGNED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE CLAUSE 4.1.10.

.2 SHOP DRAWINGS SHOWING GUARDRAIL AND CONNECTION DETAILS TO BE SUBMITTED AND BEAR THE STAMP OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO.

.3 LANDING NOTED ON PLANS TO BE CONCRETE ON STEEL DECK - FORMETTER ANGLE ANCHORED TO WALL BY STAIR MANUFACTURER. NOTED ALSO TO TYPICAL STAIR DETAIL ON ARCHITECTURAL DRAWINGS.

.11 SUBMIT ALL STRUCTURAL STEEL, GUARDRAIL AND STAIR SHOP DRAWINGS FOR REVIEW.

### 17. WOOD

1.1 DESIGN
1. DESIGN TRUSSES, BRACING AND BRIDGING IN ACCORDANCE WITH CAN/CSA-086.1 FOR LOADS INDICATED ON THIS DRAWING.
2. LIMIT LIVE LOAD DEFLECTION TO 1/360TH OF SPAN WHERE GYPSUM CEILINGS ARE HUNG DIRECTLY FROM TRUSSES.

1.2 SOURCE QUALITY CONTROL
1. IDENTIFY LUMBER BY GRADE STAMP OF AN AGENCY CERTIFIED BY CANADIAN LUMBER STANDARDS ADMINISTRATION BOARD.

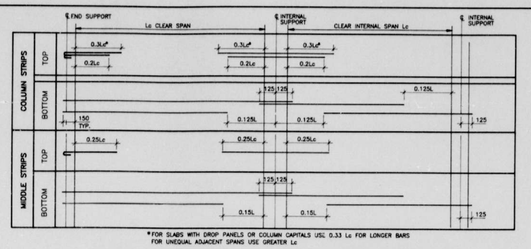
1.3 SHOP DRAWINGS
1. SUBMIT SHOP DRAWINGS FOR REVIEW.
2. EACH SHOP DRAWING SUBMISSION SHALL BEAR SIGNATURE AND STAMP OF PROFESSIONAL ENGINEER REGISTERED OR LICENSED IN PROVINCE OF ONTARIO.
3. INDICATE SPECIES, SIZES, AND STRESS GRADES OF LUMBER USED AS TRUSS MEMBERS. SHOW PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING OF TRUSSES. INDICATE CONNECTOR TYPES, THICKNESS, SIZES, LOCATIONS, AND DESIGN VALUE. SHOW BEARING DETAILS. INDICATE DESIGN LOAD FOR EACH MEMBER.
4. SUBMIT STRESS DIAGRAM OR PRINTOUT OF COMPUTER DESIGN INDICATING DESIGN LOAD FOR EACH TRUSS MEMBER. INDICATE ALLOWABLE LOAD AND STRESS INCREASE. ALLOW FOR LOAD REDUCTION DUE TO FIRE RETARDANT
5. DO LOAD TESTING ON REPRESENTATIVE TRUSSES SELECTED BY ENGINEER OR PROVIDE CERTIFICATION THAT TRUSSES MEET REQUIREMENTS OF CSA S307 AND CSA S347
6. INDICATE ARRANGEMENT OF WEBS OR OTHER MEMBERS TO ACCOMODATE DUCTS AND OTHER SPECIALTIES.
7. SHOW LIFTING POINTS FOR STORAGE, HANDLING, AND ERECTION.
8. SHOW LOCATION OF LATERAL BRACING FOR COMPRESSION MEMBERS.

1.4 DELIVERY AND STORAGE
1. STORE TRUSSES ON JOB SITE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE BEARING SUPPORTS AND BRACING. PREVENT BENDING, WARPING AND OVERTURNING OF TRUSSES.

2.1 MATERIALS
1. LUMBER: S.P.F. SPECIES, NO. 2 GRADE, SOFTWOOD, S4S, WITH MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF FABRICATION AND TO THE FOLLOWING STANDARDS.
.1 CAN/CSA-0141
.2 NLGA (NATIONAL LUMBER GRADING ASSOCIATION), STANDARD GRADING RULES FOR CANADIAN LUMBER
2. FASTENINGS: TO CAN/CSA-086.1
3. FIRE RETARDANT TO ARCH'L REQUIREMENTS

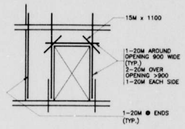
2.2 FABRICATION
1. FABRICATE WOOD TRUSSES IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.
2. CUT TRUSS MEMBERS TO ACCURATE LENGTH, ANGLE, AND SIZE TO ASSURE TIGHT JOINTS FOR FINISHED TRUSSES.
3. ASSEMBLE TRUSS MEMBERS TO DESIGN CONFIGURATION.
4. PROVIDE FOR DESIGN CAMBER WHEN POSITIONING TRUSS MEMBERS.
5. CONNECT MEMBERS USING METAL CONNECTOR PLATES.
6. APPLY FIRE RETARDANT TO ALL MEMBERS

3.1 ERECTION
1. ERECT WOOD TRUSSES IN ACCORDANCE APPROVED ERECTION DRAWINGS.
2. INDICATED LIFTING POINTS TO BE USED TO HOIST TRUSSES INTO POSITION.
3. EXERCISE CARE TO PREVENT OUT-OF-PLANE BENDING OF TRUSSES.
4. INSTALL TEMPORARY HORIZONTAL AND CROSS BRACING TO HOLD TRUSSES PLUMB AND IN SAFE CONDITION UNTIL PERMANENT BRACING AND SHEATHING ARE INSTALLED.
5. INSTALL PERMANENT BRACING IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AFTER TRUSSES ARE PLUMBED. DO NOT LOAD TRUSSES.
6. RESTRICT CONSTRUCTION LOADS TO DESIGN LOADS TO PREVENT OVERSTRESSING OF TRUSS.
7. DO NOT CUT OR REMOVE ANY TRUSS MATERIAL WITHOUT APPROVAL OF ENGINEER.

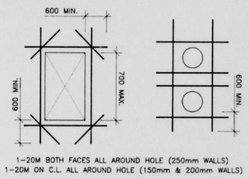



*FOR SLABS WITH DROP PANELS OR COLUMN CAPITALS USE 0.33 Le FOR LONGER BARS
FOR UNEQUAL ADJACENT SPANS USE GREATER Le

GENERAL ARRANGEMENT OF REINFORCING STEEL IN FLAT SLAB
(UNLESS NOTED ON DETAIL DRAWING)

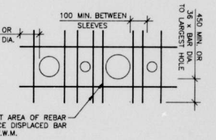



TYPICAL REINF. AROUND OPENINGS




1-20M BOTH FACES ALL AROUND HOLE (250mm WALLS)
1-20M ON C.L. ALL AROUND HOLE (150mm & 200mm WALLS)

DETAILS AT DOORS, HOLES OR PIPE SLEEVES IN WALLS
(UNLESS OTHERWISE NOTED ON DRAWINGS)




DETAILS AT GROUP OF PIPE SLEEVES IN SLAB

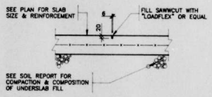
1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.
3. ADDITIONAL DRAWINGS MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK. SUCH DRAWINGS WILL HAVE THE SAME MEANING AND INTENT AS IF THEY WERE INCLUDED WITH THE CONTRACT DOCUMENTS.
4. DO NOT SCALE DRAWINGS.

### VERTICAL LOAD DATA

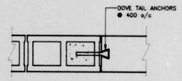
APARTMENT AREAS:
FLOORS
SDL = 1.0 KPa (PARTITIONS)
LL = 4.8 KPa (BALCONIES & CORRIDORS)
LL = 1.9 KPa (UNITS)
ROOF
SDL = 0.3 KPa (BOTTOM CHORD)
= 0.3 KPa (TOP CHORD)
LL = 2.16 + DRIFTING (SNOW)

PARKING GARAGE:
LANDSCAPE ROOF DECK
SDL = 9.2 KPa (MAX. LANDSCAPING)
LL = 2.16 + DRIFTING (SNOW)

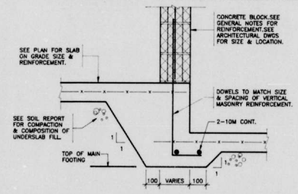
COMMUNITY BUILDING:
FLOORS
SDL = 1.0 KPa (PARTITIONS)
LL = 4.8 KPa
ROOF
SDL = 0.3 KPa (BOTTOM CHORD)
= 0.3 KPa (TOP CHORD)
LL = 2.16 + DRIFTING (SNOW)
= 3.6 KPa (MECH'L MEZZ.)



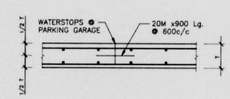

TYPICAL SAWCUT IN SLAB ON GRADE DETAIL PROVIDE SAWCUT AS NOTED ON PLANS.



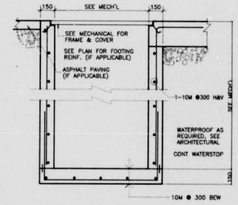

CONCRETE BLOCK TO CONCRETE CONNECTION



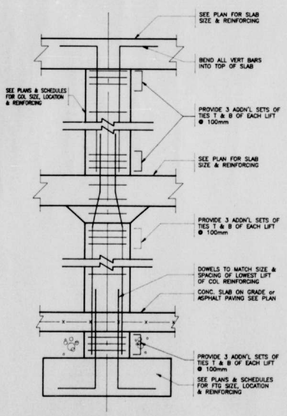

TYPICAL SLAB ON GRADE THICKENING DETAIL FOR NON-LOADBEARING MASONRY WALL AT CONCRETE SLAB EDGE



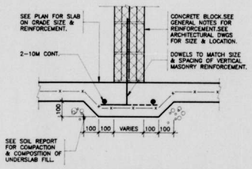

CONSTRUCTION JOINT IN FLAT SLAB



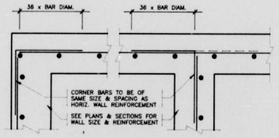

TYPICAL SUMP PIT DETAIL



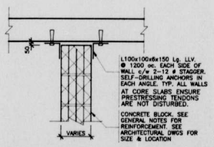

TYPICAL COLUMN DETAIL



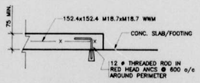

TYPICAL SLAB ON GRADE THICKENING DETAIL FOR NON-LOADBEARING MASONRY




TYPICAL WALL INTERSECTION REINFORCEMENT DETAIL



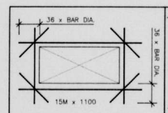

MASONRY WALL LATERAL SUPPORT AT SLAB




HOUSEKEEPING PADS
( SEE MECH'L FOR LOCATIONS & SIZES
CONTRACTOR TO COORDINATE )

MASONRY SCHEDULE FOR NON-LOADBEARING WALLS
NOT SHOWN ON PLAN

| SPAN (mm) | LINTEL | REINFORCING |
|---|---|---|
| **140 BLOCK WALL** | | |
| UP TO 1200 | 140 WD x 1 COURSE DP. | 1-20M T&B |
| 1201 TO 1800 | 140WD x 2 COURSE DP. | 1-20M T&B |
| 1801 TO 2400 | 140 WD x 3 COURSE DP. | 1-20M T&B |
| 2401 TO 3000 | 140 WD x 3 COURSE DP. + 1-10M TE @ 200 o/c | 1-20M T&B |
| **190 BLOCK WALL** | | |
| UP TO 1200 | 10 WD x 1 COURSE DP. | 1-20M T&B |
| 1201 TO 1800 | 190 WD x 2 COURSE DP. | 1-20M T&B |
| 1801 TO 2400 | 190 WD x 3 COURSE DP. | 1-20M T&B |
| 2401 TO 3000 | 190 WD x 3 COURSE DP. + 1-10M TE @ 200 o/c | 1-20M T&B |




| MAX. SIZE | REINF. T&B |
|---|---|
| 200x300 | 15M |
| 450x600 | 2-15M |
| 500x750 | 2-20M |

NOTES:
1. WHERE BARS WOULD BE CUT OFF BY OPENING, DIPLACE BARS SYMETRICALLY ABOUT HOLES DO NOT CUT BARS.
2. WHERE W.W.M. IS USED REPLACE AREA OF CUT BARS BY AN EQUIVALENT AREA OF REBARS PLACED SYMMETRICALLY ABOUT HOLE
3. PLACE HOOK BARS AT OPENING MAINTAINING SAME SPACE AS REMAINDER OF SLAB BARS (WHERE W.W.M. IS USED, USE SUPPLEMENTARY HOOK BARS
4. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION OF OPENINGS
5. FOR SIZES OF HOLES BETWEEN THOSE SHOWN ABOVE USE BARS FOR NEXT LARGEST HOLE

DETAILS AT HOLES THROUGH SLAB

LOOSE BRICK ANGLE SCHEDULE

| SPAN | SIZE |
|---|---|
| UP TO 1200 | L 90x90x6 |
| 1200 TO 1800 | L 100x90x8 |
| 1800 TO 2400 | L 125x90x8 |
| 2400 TO 3000 | L 150x100x10 |

CITY OF NEPEAN PLANS EXAMINED (Rev. 2) Dec 1998 BUILDING BRANCH

LATERAL LOAD DATA

EARTHQUAKE V= (Ve / R) U
Ve = v S I F W
U = 0.6
R = 2.0
v = 0.1
F = 1.3
S = 4.2
I = 1.0

| | APARTMENTS | | PARKING GARAGE | |
|---|---|---|---|---|
| | $V_{BASE}$ ( kN ) | $M_{BASE}$ ( kN-m ) | $V_{BASE}$ ( kN ) | $M_{BASE}$ ( kN-m ) |
| NS | 3495 | 24700 | 5381 | 13452 |
| EW | 3495 | 24700 | 5381 | 13452 |

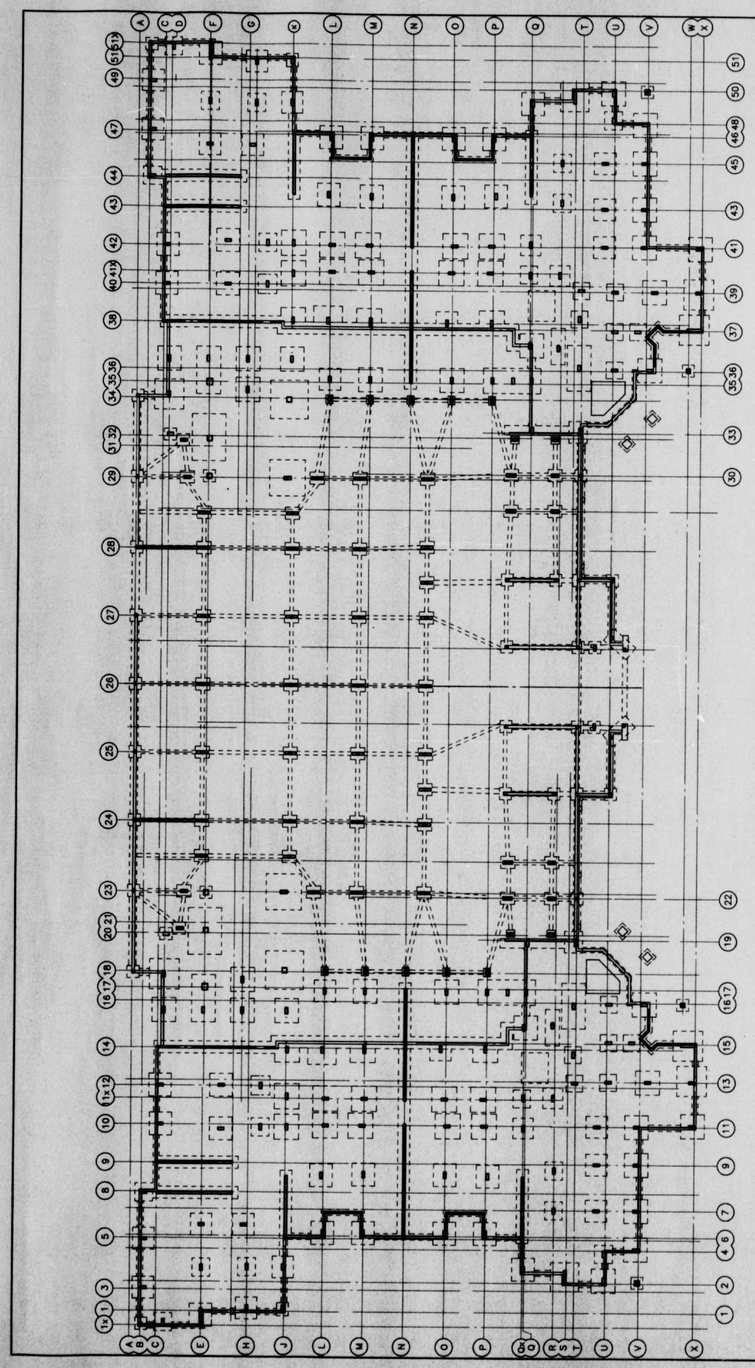
WIND P = q Ce Cp Cg
q = 0.37
Ce = 1.1
CpCg = 1.3 (1.95 @ END ZONES)

| | APARTMENTS | | PARKING GARAGE | |
|---|---|---|---|---|
| | $V_{BASE}$ ( kN ) | $M_{BASE}$ ( kN-m ) | $V_{BASE}$ ( kN ) | $M_{BASE}$ ( kN-m ) |
| NS | 522 | 3350 | – | – |
| EW | 350 | 2100 | 321 | 1284 |

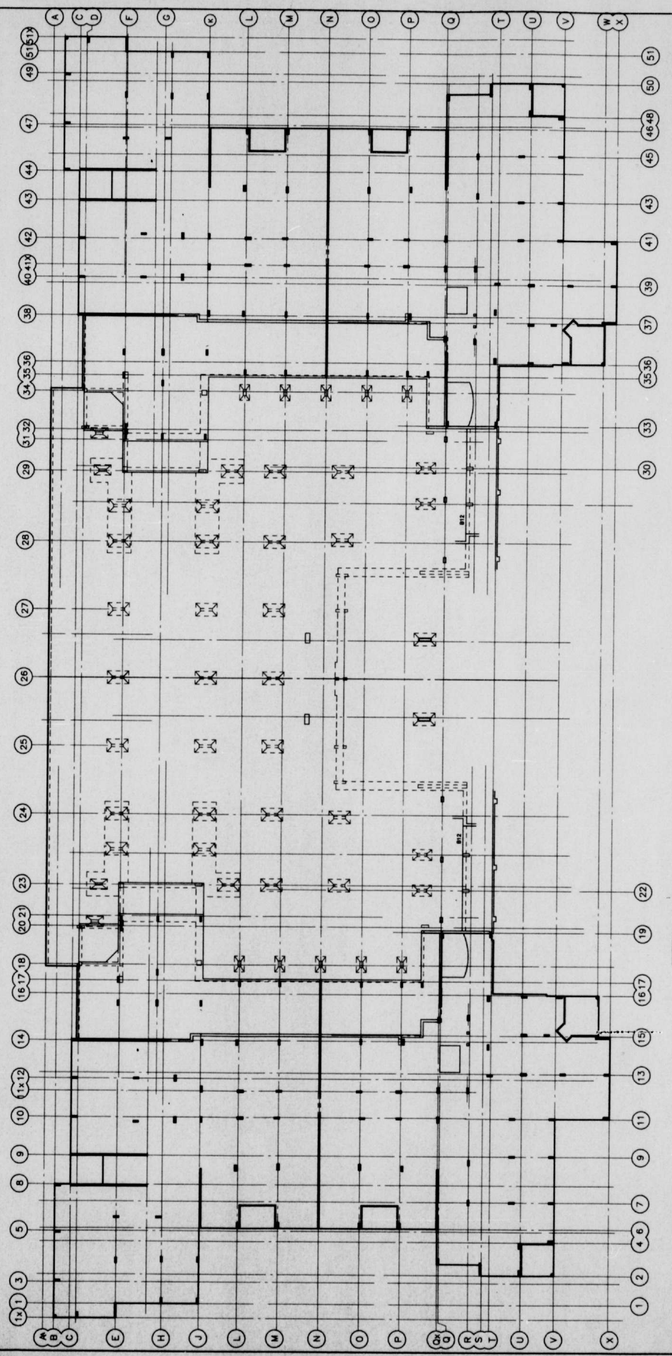
| NO. | REVISION | DATE |
|---|---|---|
| 5 | RE-ISSUED FOR CONSTRUCTION | 06.11.98 |
| 4 | ADDENDUM No.1 | 19.10.98 |
| 3 | ISSUED FOR CONSTRUCTION | 05.10.98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |


MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4959


Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: GENERAL NOTES AND TYPICAL DETAILS
Date: 04-09-98
Drawn: T.S./S.C.
Checked: P.G.
Scale: N.T.S.
Project No.: 98-100
Drawing: S-0
No.: 5



FOUNDATION PLAN KEY PLAN



GROUND FLOOR KEY PLAN

1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.
3. ADDITIONAL DRAWINGS MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK. SUCH DRAWINGS WILL HAVE THE SAME MEANING AND INTENT AS IF THEY WERE INCLUDED WITH THE CONTRACT DOCUMENTS.
4. DO NOT SCALE DRAWINGS.

CITY OF NEPEAN
PLANS EXAMINED
Revision
BUILDING BRANCH
PLAN EXAMINER

| NO. | REVISION | DATE |
|---|---|---|
| 5 | RE-ISSUED FOR CONSTRUCTION | 6-11-98 |
| 4 | ADDENDUM No.1 | 19-10-98 |
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21-09-98 |


MANHIRE
ASSOCIATES LTD.
Structural Engineers

18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4956

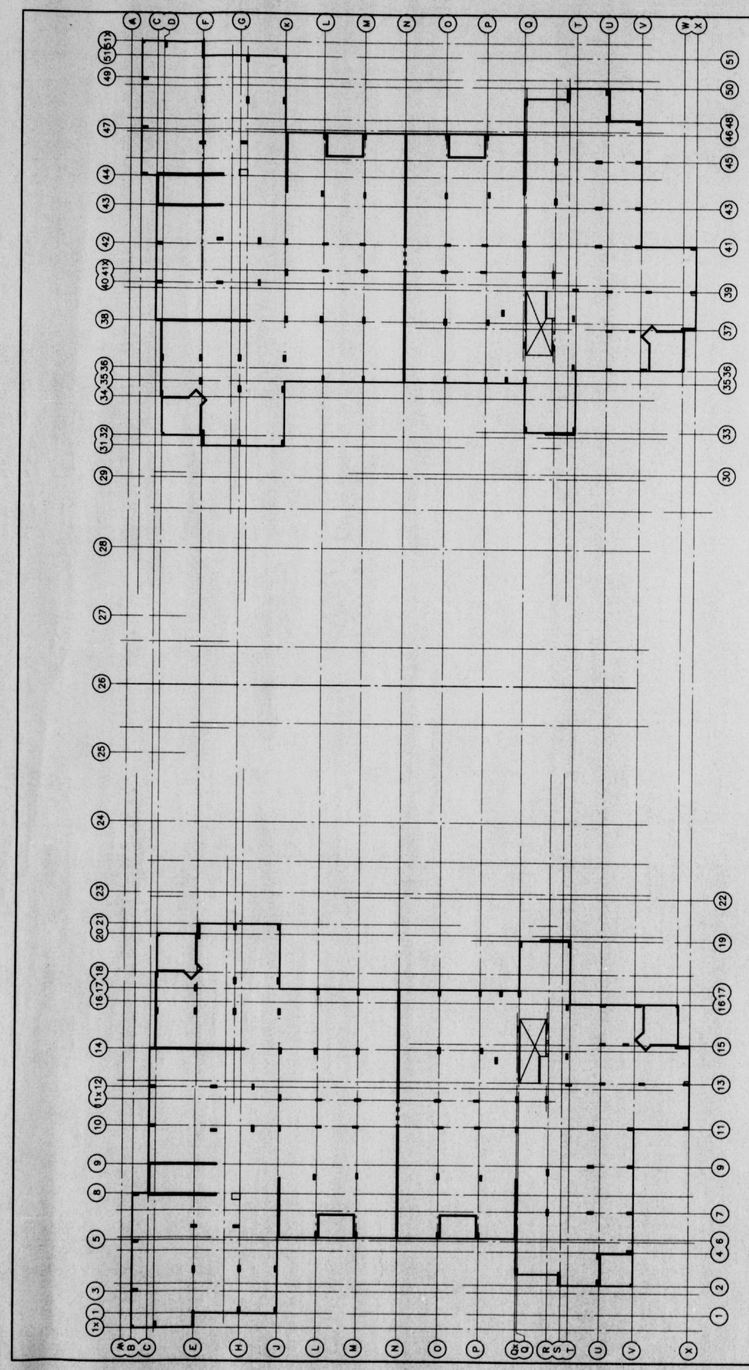

Project: MERIDIAN AT CENTREPOINTE

Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS

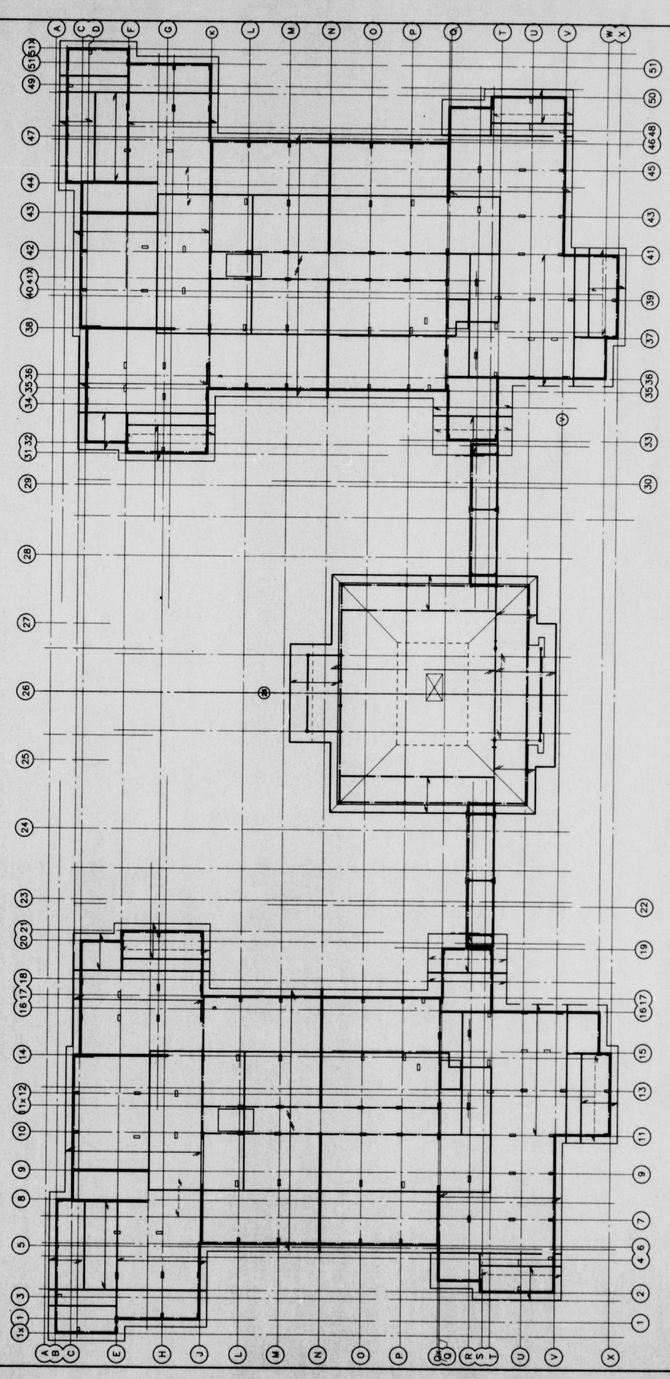
Drawing: KEY PLANS
GROUND FLOOR - FOUNDATION

LICENSED PROFESSIONAL ENGINEER
P.A.GOODEVE
PROVINCE OF ONTARIO

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:150 |
| Project No. | 98-100 |
| Drawing | S-1 |
| No. | 4 |



TYPICAL FLOOR KEY PLAN



ROOF KEY PLAN

1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
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4. DO NOT SCALE DRAWINGS.

CITY OF NEPEAN PLANS EXAMINER
Revision
BCIN 10113

| NO. | REVISION | DATE |
|---|---|---|
| 5 | RE-ISSUED FOR CONSTRUCTION | 6-11-98 |
| 4 | ADDENDUM No.1 | 19-10-98 |
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21-09-98 |

MANHIRE
ASSOCIATES LTD.
Structural Engineers

18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4556 FAX (613)226-4959

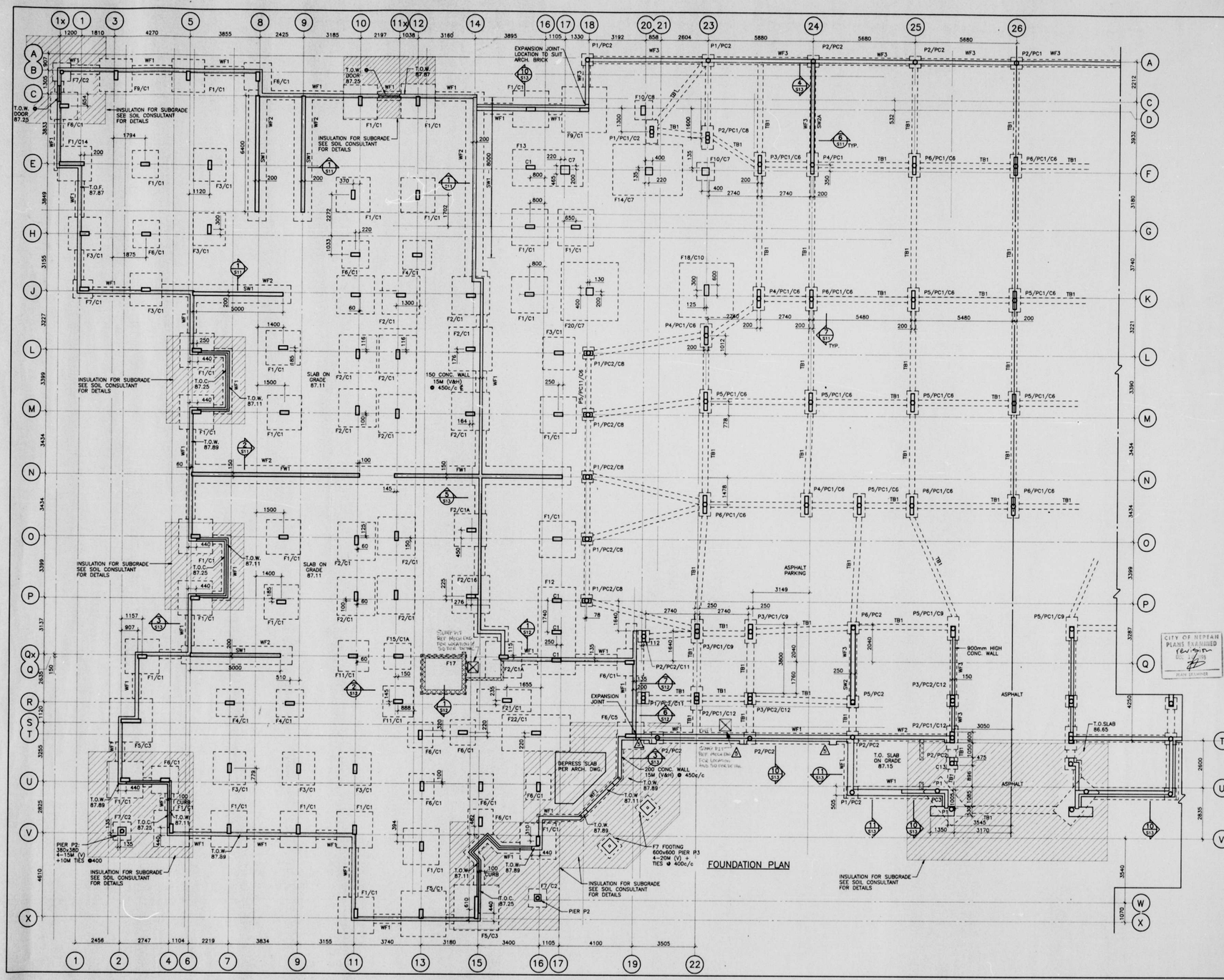
Project: MERIDIAN AT CENTREPOINTE

Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS

Drawing: KEY PLANS TYPICAL FLOOR - ROOF

R.A.GOODEVE

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:150 |
| Project No. | 98-100 |
| Drawing | S-2 |
| Rev. | 4 |

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4. DO NOT SCALE DRAWINGS.
5. REFER TO ARCHITECTURAL & MECHANICAL ENGINEER PLANS FOR LOCATION OF OPENINGS.

CITY OF NEPEAN PLANS EXAMINED FOR REVISION

| NO. | REVISION | DATE |
|---|---|---|
| 6 | RE-ISSUED FOR CONSTRUCTION | 06.11.98 |
| 5 | ADDENDUM No.2 | 21.10.98 |
| 4 | ADDENDUM No.1 | 19.10.98 |
| 3 | ISSUED FOR CONSTRUCTION | 05.10.98 |
| 2 | ISSUED TO TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |


MANHIRE ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4956


Project: MERIDIAN AT CENTREPOINTE

Client: BARRY J. HOBIN AND ASSOC. ARCHITECT

Drawing: FOUNDATION PLAN LAYOUT

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | S-3 |
| Rev. | 6 |

P.K.GOODEVE

1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
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GROUND FLOOR PLAN
LEVEL 2 LAYOUT

PIER 1&1A SECTION

ENTRANCE CANOPY PLAN

1/S4 SECTION

CITY OF NEPEAN
PLANS EXAMINED

| NO. | REVISION | DATE |
|---|---|---|
| 6 | RE-ISSUED FOR CONSTRUCTION | 06-11-98 |
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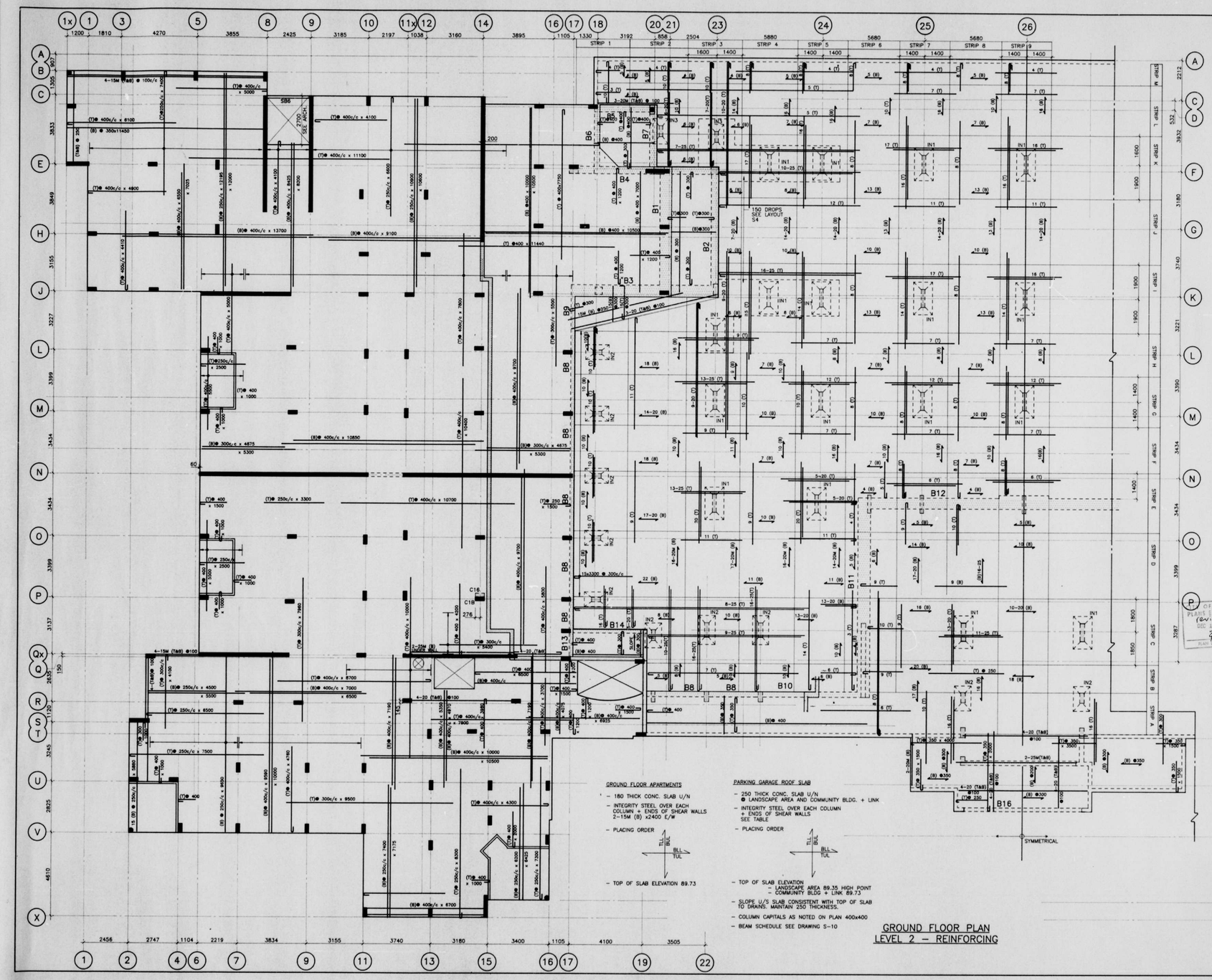
| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21-09-98 |


MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4959


Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: GROUND FLOOR PLAN LEVEL 2 - LAYOUT

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | S-4 |
| Rev. | 6 |

LICENSED PROFESSIONAL ENGINEER R.A.GOODEVE PROVINCE OF ONTARIO




GROUND FLOOR APARTMENTS

- 180 THICK CONC. SLAB U/N
- INTEGRITY STEEL OVER EACH COLUMN + ENDS OF SHEAR WALLS 2-15M (8) x2400 E/W
- PLACING ORDER




- TOP OF SLAB ELEVATION 89.73

PARKING GARAGE ROOF SLAB

- 250 THICK CONC. SLAB U/N
  @ LANDSCAPE AREA AND COMMUNITY BLDG. + LINK
- INTEGRITY STEEL OVER EACH COLUMN + ENDS OF SHEAR WALLS SEE TABLE
- PLACING ORDER




- TOP OF SLAB ELEVATION
  - LANDSCAPE AREA 89.35 HIGH POINT
  - COMMUNITY BLDG + LINK 89.73
- SLOPE U/S SLAB CONSISTENT WITH TOP OF SLAB TO DRAINS, MAINTAIN 250 THICKNESS.
- COLUMN CAPITALS AS NOTED ON PLAN 400x400
- BEAM SCHEDULE SEE DRAWING S-10

## GROUND FLOOR PLAN LEVEL 2 – REINFORCING

1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
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4. DO NOT SCALE DRAWINGS.

PARKING GARAGE DECK INTEGRITY REINFORCING

| | |
|---|---|
| IN1 | –4–25M x 4600lg. LONG COLUMN DIM.<br>–4–25M x 3850lg. SHORT COLUMN DIM. |
| IN2 | –4–20M x 4000lg.<br>–4–20M x 3200lg. |
| IN3 | –4–15M x 3000lg.<br>–4–15M x 2500lg. |

CITY OF NEPEAN PLANS EXAMINED (Revision) DEC 1 1998 #3 PLANS EXAMINER

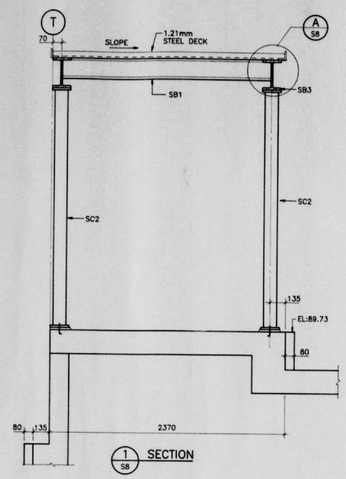
| NO. | REVISION | DATE |
|---|---|---|
| 5 | RE-ISSUED FOR CONSTRUCTION | 06-11-98 |
| 4 | ADDENDUM No.1 | 19-10-98 |
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21-09-98 |

MANHIRE ASSOCIATES LTD.
Structural Engineers
18–77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226–4858 FAX (613)226–4859

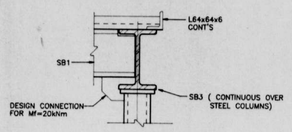
Project: MERIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: GROUND FLOOR PLAN LEVEL 2 – REINFORCING

PROFESSIONAL ENGINEER R.A.GOODEVE PROVINCE OF ONTARIO

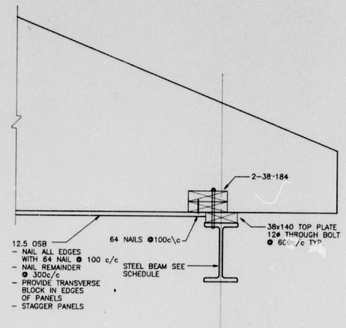
| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |
| Project No. | 98-100 |
| Drawing | S-6 |
| Rev. | 5 |



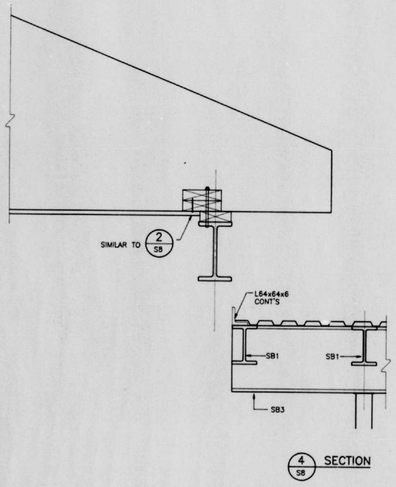

1 S8 SECTION



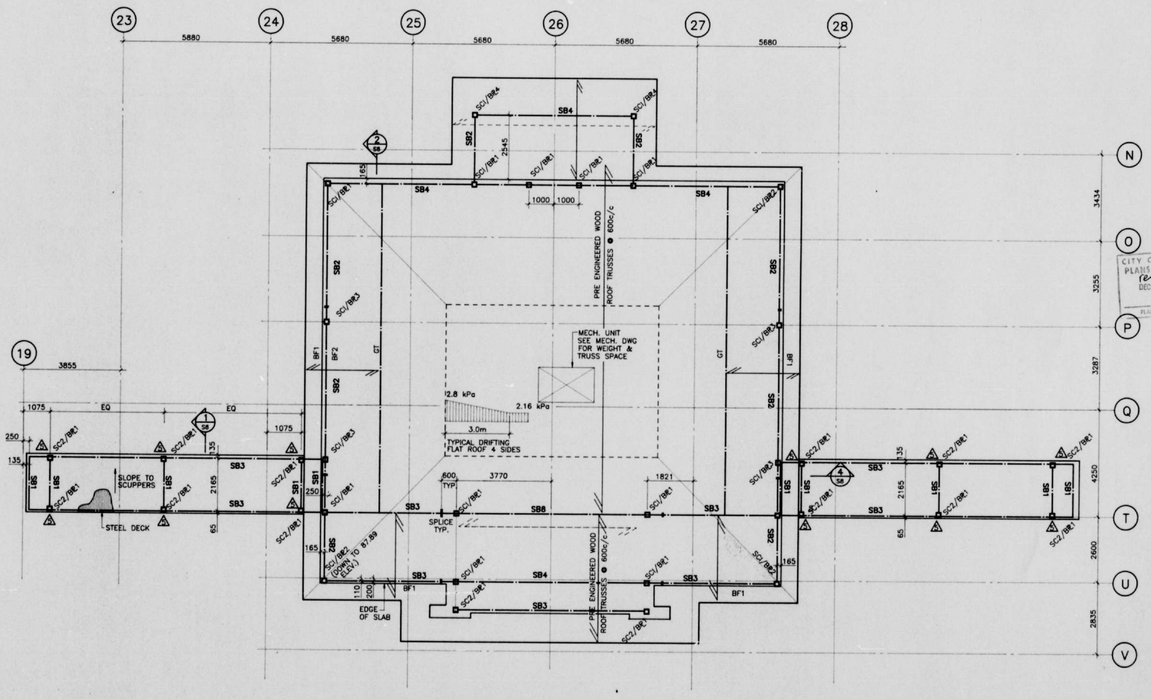

A S8 DETAIL




2 S8 SECTION




4 S8 SECTION




PLAN: COMMUNITY BLDG. ROOF FRAMING

1. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS RELEVANT TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
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4. DO NOT SCALE DRAWINGS.

CITY OF NEPEAN PLANS EXAMINED DEC 1/98 revision

| NO. | REVISION | DATE |
|---|---|---|
| 6 | RE-ISSUED FOR CONSTRUCTION | 06-11-98 |
| 5 | ADDENDUM No.2 | 21-10-98 |
| 4 | ADDENDUM No.1 | 19-10-98 |
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-08-98 |
| 1 | ISSUED OR BLDG. PERMIT | 21-08-98 |

MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4959

Project: MERIDIAN AT CENTREPOINTE

Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS

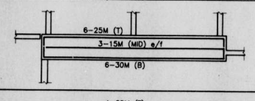
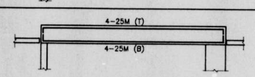
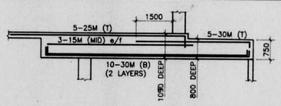
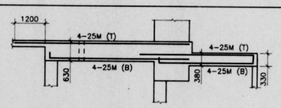
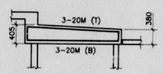
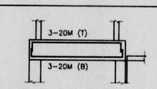
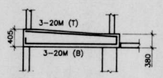
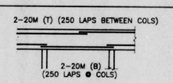
Drawing: ROOF PLAN – COMMUNITY BLDG.

R.A.GOODEVE — PROFESSIONAL ENGINEER — PROVINCE OF ONTARIO

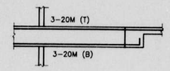
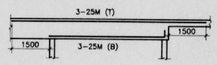
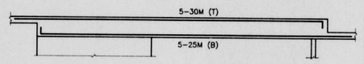
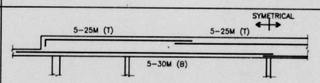
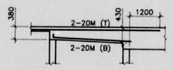
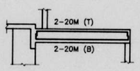
| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | 1:75 |

| Project No. | Drawing | Rev. |
|---|---|---|
| 98-100 | S8 | 6 |

## BEAM SCHEDULE

| MARK | ELEVATION | TIES |
|---|---|---|
| B1<br>650 WIDE x 850 DEEP |  | 10M @ 300c/c |
| B2<br>500 WIDE x 330 DEEP |  | 10M @ 300c/c |
| B3<br>650 WIDE<br>DEPTH AS NOTED |  | 2-10M @ 300c/c<br> |
| B4<br>400 WIDE<br>DEPTH AS NOTED |  | 10M @ 300c/c |
| B5<br>385 WIDE<br>DEPTH AS NOTED |  | 10M @ 300c/c |
| B6<br>385 WIDE x 630 DEEP |  | 10M @ 300c/c |
| B7<br>385 WIDE<br>DEPTH AS NOTED |  | 10M @ 300c/c |
| B8<br>200 WIDE x 630 DEEP |  <br>HOOK BARS @ END SPANS | 10M @ 300c/c |

## BEAM SCHEDULE

| MARK | ELEVATION | TIES |
|---|---|---|
| B9<br>200 WIDE x 630 DEEP |  | 10M @ 300c/c |
| B10<br>300 WIDE x 630 DEEP |  | 10M @ 300c/c |
| B11<br>600 WIDE x 630 DEEP |  | 10M @ 300c/c |
| B12<br>600 WIDE x 630 DEEP |  | 10M @ 300c/c |
| B13<br>200 WIDE<br>DEPTH AS NOTED |  | 10M @ 200c/c |
| B14<br>250 WIDE x 380 DEEP |  | 10M @ 200c/c |

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4. DO NOT SCALE DRAWINGS.

CITY OF NEPEAN
PLANS EXAMINED
DEC 17 98
PLAN BUILDING

| NO. | REVISION | DATE |
|---|---|---|
| 5 | RE-ISSUED FOR CONSTRUCTION | 06-11-98 |
| 4 | ADDENDUM No.1 | 19-10-98 |
| 3 | ISSUED FOR CONSTRUCTION | 05-10-98 |
| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG PERMIT | 21-09-98 |

MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4958

Project: MERIDIAN AT CENTREPOINTE

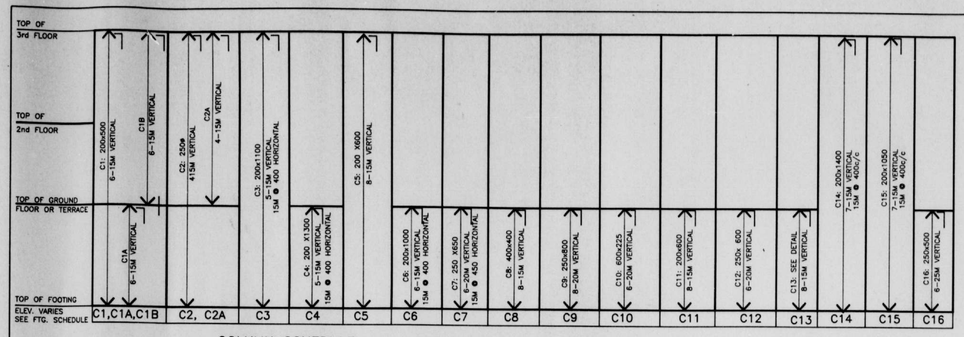
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS

Drawing: BEAM SCHEDULE

Date: 21-09-98
Drawn: T.S./S.C.
Checked: P.G.
Scale: 1:75

Project No.: 98-100 | Drawing: S-10 | Rev.: 5

R.K. GOODEVE
PROVINCE OF ONTARIO




COLUMN SCHEDULE

| FOOTING SCHEDULE | | | |
|---|---|---|---|
| TYPE | SIZE | SIZE | REINFORCING |
| F1 | 2000 x 2000 | 300 DP. | 10-15M E.W. |
| F2 | 2100 x 2100 | 300 DP. | 10-15M E.W. |
| F3 | 1800 x 1800 | 300 DP. | 7-15M E.W. |
| F4 | 1600 x 1600 | 300 DP. | 6-15M E.W. |
| F5 | 2400 x 2400 | 350 DP. | 10-20M E.W. |
| F6 | 1500 x 1500 | 300 DP. | 6-15M E.W. |
| F7 | 1000 x 1000 | 300 DP. | 3-15M E.W. |
| F8 | 2300 x 2300 | 350 DP. | 10-20M E.W. |
| F9 | 2500 x 2500 | 350 DP. | 10-20M E.W. |
| F10 | 1200x 1200 | 300 DP. | 5-15M E.W. |
| F11 | 1700x1700 | 300 DP. | 7-15M E.W. |
| F12 | 2000 x 5800 | 350 DP. | 10-15M LONG 20-15M SHORT |
| F13 | 2000 x 4500 | 350 DP. | 14-20M LONG 17-20M SHORT |
| F14 | 2800 x 3800 | 450 DP. | 14-20M LONG 16-20M SHORT |

| FOOTING SCHEDULE | | | |
|---|---|---|---|
| TYPE | SIZE | SIZE | REINFORCING |
| F15 | 1600 x 2800 | 350 DP. | 7-20M SHORT 6-20M LONG |
| F16 | 1600 x 3400 | 350 DP. | 12-20M SHORT 5-20M LONG |
| F17 | 2400 x 2200 | 300 DP. | 10-20M E.W. |
| F18 | 3000 x 3000 | 350 DP. | 15-20M E.W. |
| F19 | 1200 x 1600 | 300 DP. | 6-15M E.W. |
| F20 | 3300 x 3300 | 400 DP. | 16-20M SHORT 16-20M LONG |
| F21 | 1200 x 3000 | 300 DP. | 5-20M LONG 10-20M SHORT |
| F22 | 2000 x 3800 | 350 DP. | 15-20M SHORT 8-20M LONG |
| | | | |
| WF1 | 600 | 300 DP. | 3-15M CONT'S 15M @ 300c/c |
| WF2 | 1000 | 350 DP. | 5-15M CONT'S 15M @ 300c/c |
| WF3 | 400 | 300 DP. | 3-15M CONT'S 15M @ 300c/c |
| | | | |

BASE PLATE SCHEDULE

| MARK | SIZE | | ANCHOR BOLTS |
|---|---|---|---|
| BP1 | 250x125x12 | | 2-15mmø KWIK BOLTS |
| BP2 | 250x250x12 | | 2-15mmø KWIK BOLTS |
| BP3 | 250x150x20 | | 2-24mmø HSL WEDGE ANCHORS |
| BP4 | 300x125x15 | | 2-15mmø KWIK BOLTS |

STEEL BEAM SCHEDULE

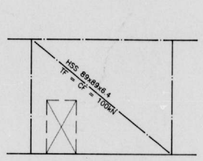
| MARK | SIZE |
|---|---|
| SB1 | W200x31 |
| SB2 | W250x24 |
| SB3 | W310x31 |
| SB4 | W410x39 |
| SB5 | W360x33 |
| SB6 | HSS 152x152 x6.4 |
| | |

PILE SCHEDULE

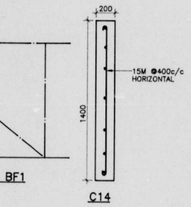
| MARK | WORKING LOAD |
|---|---|
| P1 | 460kN |
| P2 | 600kN |
| P3 | 700kN |
| P4 | 800kN |
| P5 | 900kN |
| P6 | 1050kN |
| P7 | 1150kN |

STEEL COLUMN SCHEDULE

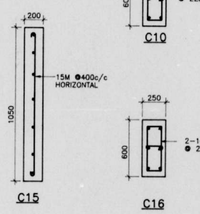
| MARK | SIZE |
|---|---|
| SC1 | HSS 89x89x6.4 |
| SC2 | HSS 102x102x6.4 |



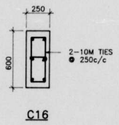

BRACE FRAME: BF1




C14




C15

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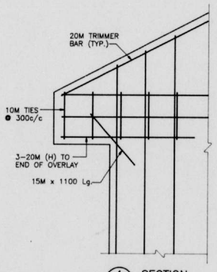
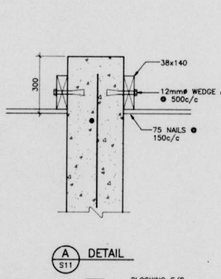
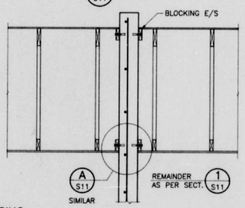



4 S11 SECTION

FIREWALL PARAPET END



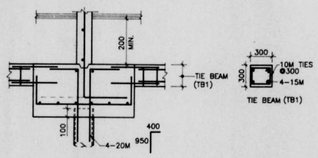

A S11 DETAIL



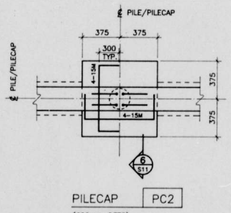

2 S11 SECTION

FW1 FIREWALL SECTION

PILECAP PC3

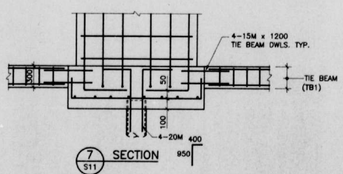



6 S11 SECTION

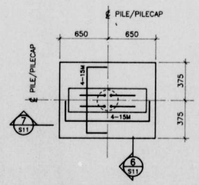



PILECAP PC2

(600mm DEEP)

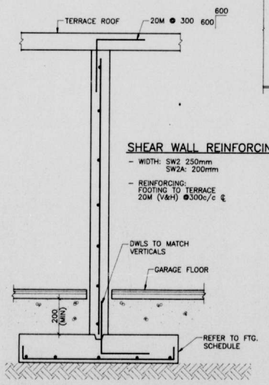



7 S11 SECTION

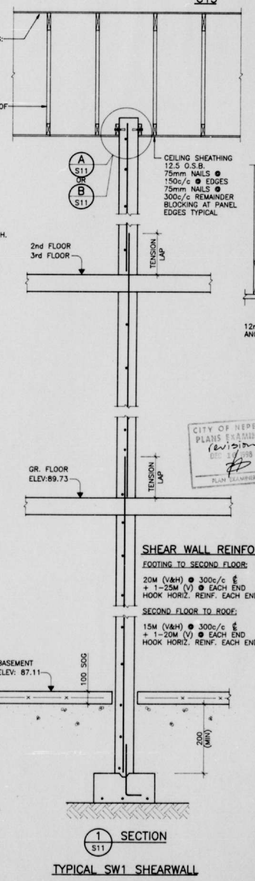



PILECAP PC1

(600mm DEEP)




TYPICAL SW2 & SW2A SHEARWALL




1 S11 SECTION

TYPICAL SW1 SHEARWALL

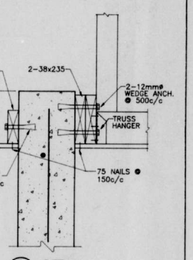
SHEAR WALL REINFORCING

FOOTING TO SECOND FLOOR:

20M (V&H) @ 300c/c & + 1-25M (V) @ EACH END HOOK HORIZ. REINF. EACH END

SECOND FLOOR TO ROOF:

15M (V&H) @ 300c/c & + 1-20M (V) @ EACH END HOOK HORIZ. REINF. EACH END

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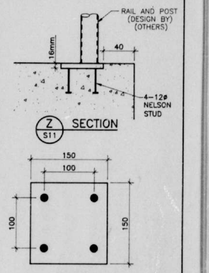


PLAN

WP1 BALCONY WELD PLATE

-SEE ARCH. FWGS FOR EXACT LOCATIONS

-PROTECT ALL EXPOSED SURFACES WITH GALVANIZED PAINT

CITY OF NEPEAN PLANS EXAMINED (Bldg) Date: 1998 PLANS EXAMINER

| NO. | REVISION | DATE |
|---|---|---|
| 5 | RE-ISSUED FOR CONSTRUCTION | 06-11-98 |
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| 2 | ISSUED FOR TENDER | 21-09-98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21-09-98 |

MANHIRE ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4995

Project: MERIDIAN AT CENTERPOINT

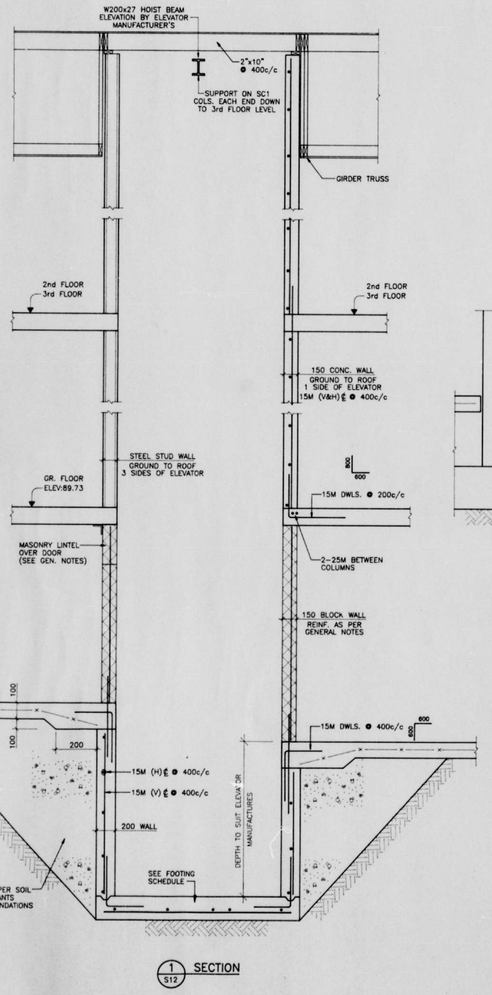
Client: BARRY J. HOBIN ASSOC. AND ARCHITECTS

Drawing: SCHEDULES, SECTIONS & DETAILS

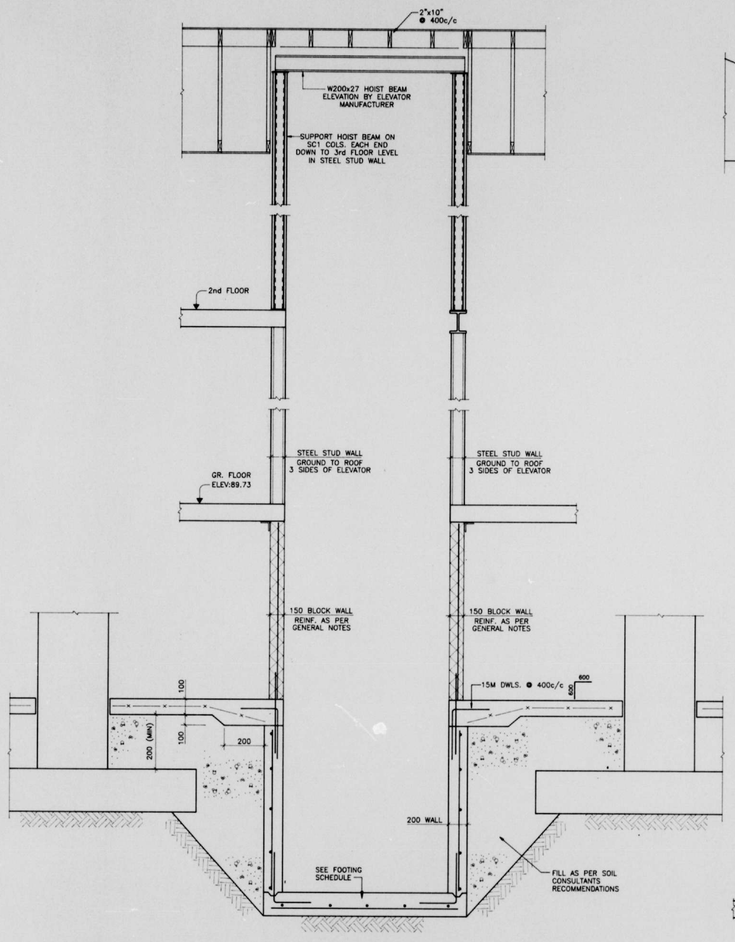
LICENSED PROFESSIONAL ENGINEER P.K.GODDEYE PROVINCE OF ONTARIO

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | S.C/T.S |
| Checked | P.G |
| Scale | AS SHOWN |
| Project No. | 98-100 |
| Drawing | S-11 |
| Rev. | 5 |

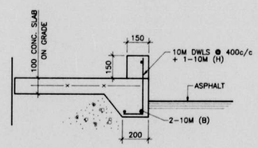
5/S12 SECTION
BALCONY SLAB



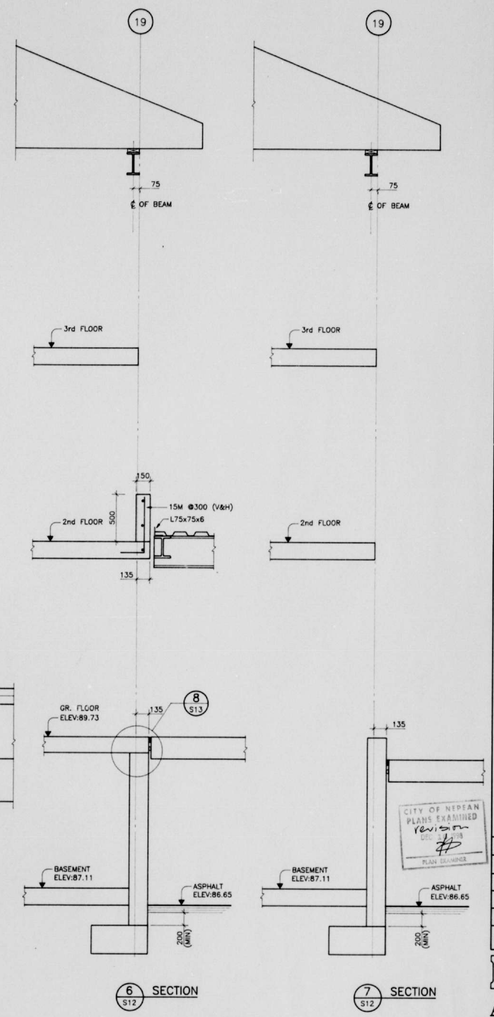

1/S12 SECTION




2/S12 SECTION




4/S12 SECTION




6/S12 SECTION




7/S12 SECTION

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CITY OF NEPEAN PLANS EXAMINED revision # PLAN EXAMINER

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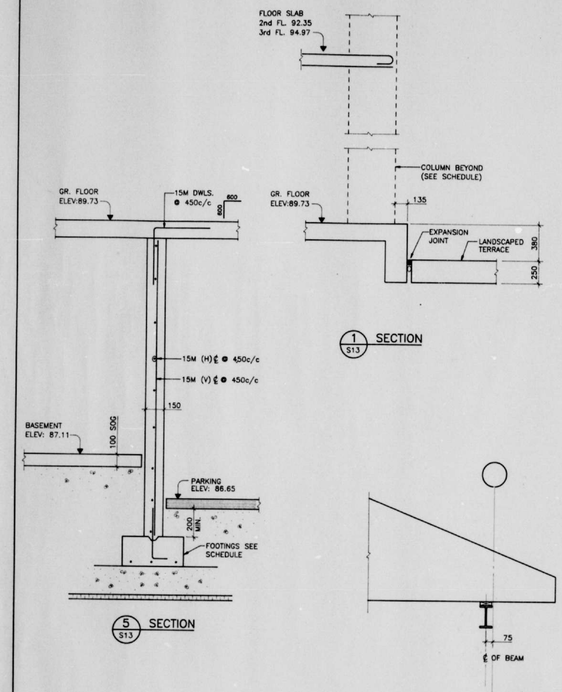
MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4558 FAX (613)226-4559

Project: MEDRIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN ARCH. AND ASSOC.
Drawing: SECTIONS

Date: 21-09-98
Drawn: T.S./S.C.
Checked: P.G.
Scale: SCALE 1:20

| Project No. | Drawing | Rev. |
|---|---|---|
| 98-100 | S-12 | 5 |

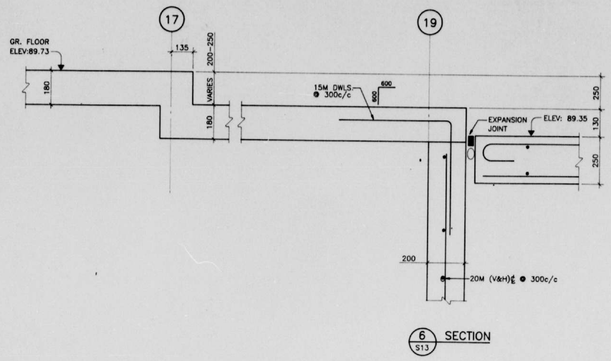
P.A.GOODEVE



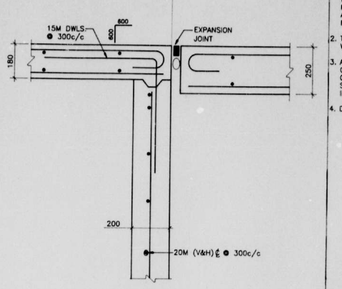

5 S13 SECTION

1 S13 SECTION

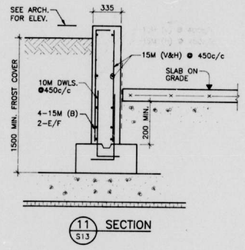



6 S13 SECTION




8 S13 DETAIL

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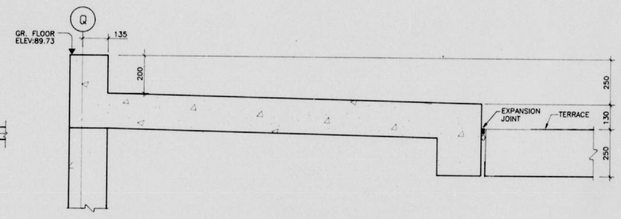


7 S13 SECTION

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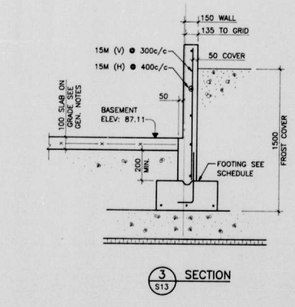
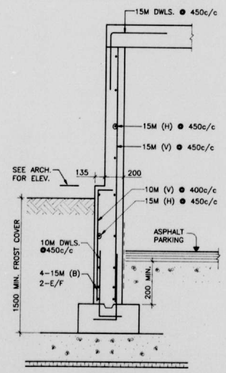
4. DO NOT SCALE DRAWINGS.




3 S13 SECTION

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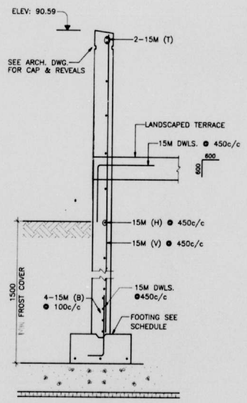


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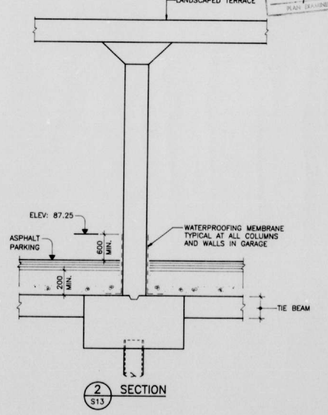



2 S13 SECTION

CITY OF NEPEAN
PLANS EXAMINED
revision
B
MAY 01/1998

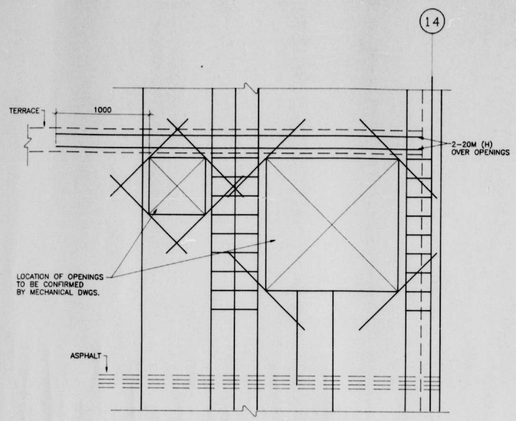
| NO | REVISION | DATE |
|---|---|---|
| 5 | RE-ISSUED FOR CONSTRUCTION | 06.11.98 |
| 4 | ADDENDUM No.1 | 19.10.98 |
| 3 | ISSUED FOR CONSTRUCTION | 05.10.98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

MANHIRE
ASSOCIATES LTD.
Structural Engineers
18-77 AURIGA DRIVE, NEPEAN, ONTARIO, K2E 7Z7
TEL (613)226-4556 FAX (613)226-4969

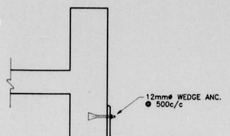
Project: MEDRIDIAN AT CENTREPOINTE
Client: BARRY J. HOBIN AND ASSOC. ARCHITECTS
Drawing: SECTIONS

LICENSED PROFESSIONAL ENGINEER P.A. GOODEVE PROVINCE OF ONTARIO

| | |
|---|---|
| Date | 21-09-98 |
| Drawn | T.S./S.C. |
| Checked | P.G. |
| Scale | SCALE 1:20 |
| Project No. | 98-100 |
| Drawing | S-13 |
| No. | 5 |




1 / S14 WALL ELEVATION

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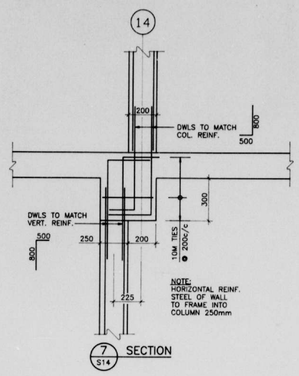


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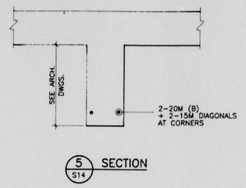


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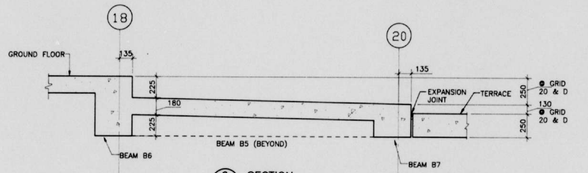
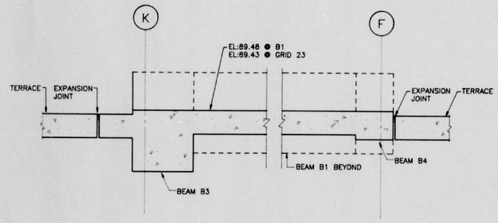



6 / S14 SECTION

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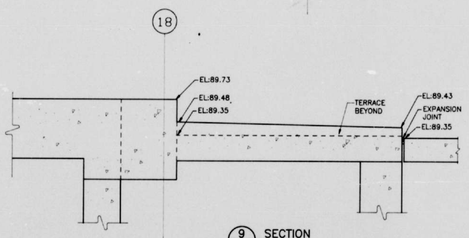
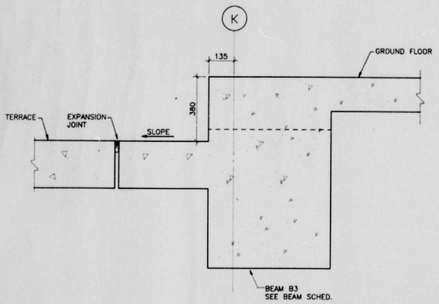
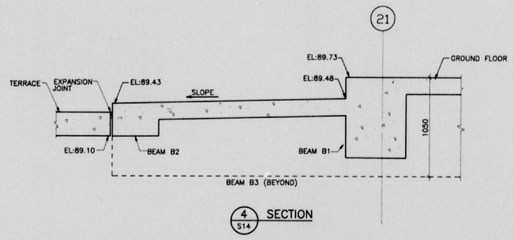



9 / S14 SECTION




2 / S14 SECTION

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CITY OF NEPEAN PLANS APPROVED DEC 17 1998 REVISION #9 MANHIRE

| NO. | REVISION | DATE |
|---|---|---|
| 5. | RE-ISSUED FOR CONSTRUCTION | 06.11.98 |
| 4 | ADDENDUM No.1 | 19.10.98 |
| 3 | ISSUED FOR CONSTRUCTION | 10.05.98 |
| 2 | ISSUED FOR TENDER | 21.09.98 |
| 1 | ISSUED FOR BLDG. PERMIT | 21.09.98 |

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Drawing: SECTIONS

R.A.GOODEVE — REGISTERED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

Date: 21-09-98
Drawn: T.S./S.C.
Checked: P.G.
Scale: SCALE 1:20

| Project No. | Drawing | Rev. |
|---|---|---|
| 98-100 | S-14 | 5 |