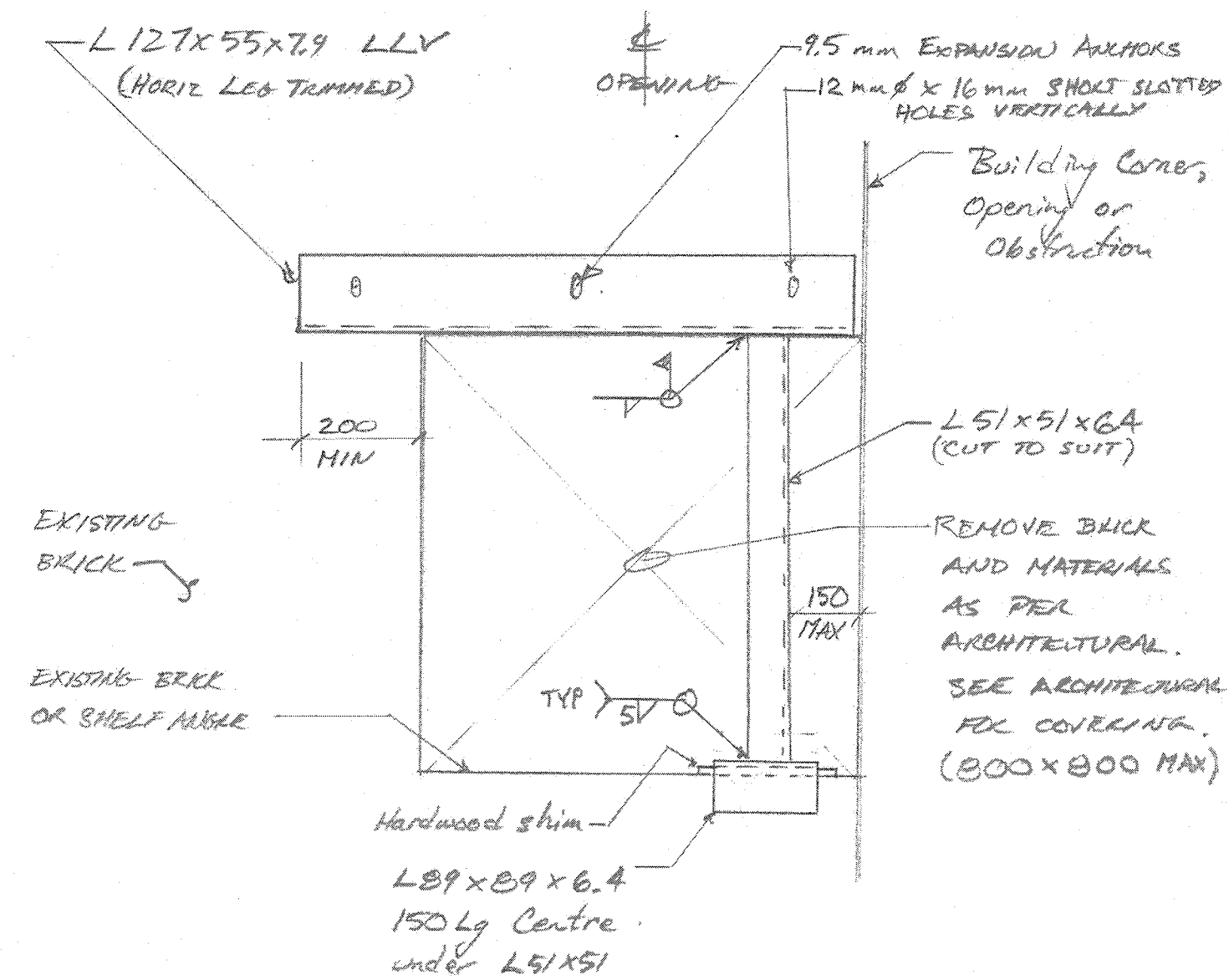


LINTEL L1

Scale 1:10

LINTEL L1

SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm



LINTEL L2

Scale 1:10

Note: Use Lintel L2 where bearing of lintel at one end is interfered with by a building corner or opening.

LINTEL L2

SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm

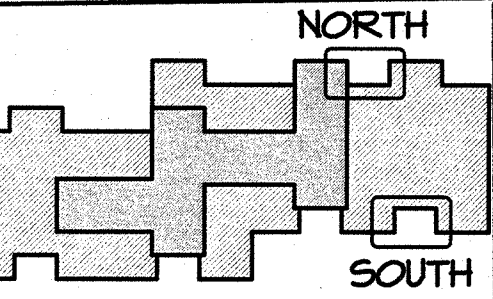
#### LINTEL INSTALLATION NOTES:

- COORDINATE ALL WORK WITH ARCHITECTURAL AND EXISTING DRAWINGS. FIELD VERIFY ALL DIMENSIONS. REPORT DISCREPANCIES TO DEPARTMENTAL REPRESENTATIVE.
- VERIFY OPENING LOCATIONS WITH DEPARTMENTAL REPRESENTATIVE.
- CORE DRILL AT CORNER OF OPENINGS AS REQUIRED TO ELIMINATE OVERCUTTING OF OPENINGS.
- MAKE VERTICAL SAWCUTS REQUIRED FOR OPENING FULL DEPTH OF BRICK. MAKE ADDITIONAL VERTICAL SAWCUT AT LINTEL L2 LOCATIONS AS REQUIRED TO ALLOW FOR INSTALLATION OF VERTICAL L 51x51 PLUS BASE ANGLE AND SHIM.
- MAKE PARTIAL DEPTH SAWCUT IN HORIZONTAL MORTAR JOINT AT OPENING HEAD TO ALLOW L127x55 TO BE INSTALLED WITH THE LONG LEG VERTICAL. AT LINTEL L2 LOCATIONS REMOVE 600 mm MAXIMUM WIDE VERTICAL STRIP OF BRICK TO ALLOW INSTALLATION OF VERTICAL L51x51 PLUS BASE ANGLE AND SHIM.
- INSTALL EXPANSION ANCHORS INTO HORIZONTAL MORTAR JOINTS AND INSTALL L51x51 PLUS BASE ANGLE AND SHIM AT LINTEL L2 LOCATIONS.
- REMOVE BRICK AND MATERIAL AS PER THE EXTENTS SHOWN ON ARCHITECTURAL DRAWINGS OR AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- PROVIDE TEMPORARY SUPPORT AT OTHER LOCATIONS AS REQUIRED. INSTALL TEMPORARY SUPPORT AS WORK PROCEEDS TO AVOID UNSUPPORTED BRICK AND MATERIALS.

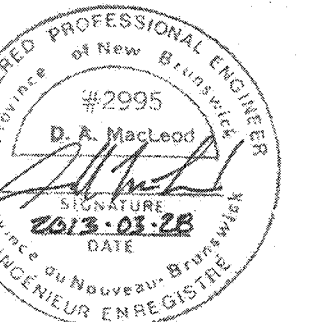
#### STEEL NOTES:

- PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD TO ENSURE NEW MATERIAL IS DETAILED AND FABRICATED TO SUIT EXISTING STRUCTURE DIMENSIONS AND ELEVATIONS.
- FABRICATION AND ERECTION - ALL STEEL WORK SHALL CONFORM TO THE REQUIREMENTS OF CSA S16-09 AND TO THE 2010 NATIONAL BUILDING CODE OF CANADA.
- WELDING COMPANY CERTIFICATION TO MEET THE REQUIREMENTS OF THE 2010 NATIONAL BUILDING CODE OF CANADA. ALL WELDING ON THIS PROJECT TO BE DONE ONLY BY COMPANIES CERTIFIED TO DIVISION 1 OR 2 OF CSA W47.1-09. CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL.
- ALL STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF CSA G40.21-04.
- MATERIAL PROPERTIES:  
PLATES, ANGLES & CHANNELS CSA G40.21-04 300W  
WASHERS ASTM F436-II  
NUTS ASTM A563-07a, GRADE DH  
ROLLED W SHAPE CSA G40.21-04 350W
- CONNECTIONS - ALL WELDED CONNECTIONS SHALL CONFORM TO CSA W59-03 USING E49XX ELECTRODES
- EXPANSION ANCHORS - 9.5 mm  $\phi$  x 95 Lg WITH 59 mm THREAD LENGTH. CARBON STEEL WITH ZINC COATING. CARBON STEEL MINIMUM YIELD STRENGTH 630 MPa. NUTS TO ASTM A 563 GRADE A, HEX. WASHERS TO ASTM F844. ANCHORS AND COMPONENTS PLATED TO ASTM B 633. INSTALL AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS TO A MINIMUM EMBEDMENT OF 50 mm.
- SHOP DRAWINGS - SUBMIT SHOP DRAWINGS FOR REVIEW BY DEPARTMENTAL REPRESENTATIVE PRIOR TO FABRICATING STRUCTURAL STEEL. EACH DRAWING SUBMITTED SHALL BEAR THE SIGNATURE AND STAMP OF A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN NEW BRUNSWICK. CLEARLY INDICATE SHOP AND ERECTION DETAILS INCLUDING CUTS, COPIES, CONNECTION, HOLES, THREADED FASTENERS AND WELDS. INDICATE WELDS BY AWS WELDING SYMBOLS AS DEFINED IN CSA W59-03.
- PAINTING - STEEL WORK TO BE PREPARED AND SHOP PRIMED TO CISC/CPMA STANDARD I.73a.
- LOAD DURING CONSTRUCTION - ALL STRUCTURAL MEMBERS SHALL BE PROTECTED AGAINST LOADS EXCEEDING THE DESIGN CAPACITY DURING CONSTRUCTION.
- ERECT STRUCTURAL STEEL WORK TRUE AND PLUMB TO LINES AND GRADES INDICATED AND TO TOLERANCES SPECIFIED BY CISC HANDBOOK OF STEEL CONSTRUCTION, 2010 EDITION.
- HOT WORKS WELDING AND CUTTING - PROTECT PERSONS AND PROPERTY FROM INJURY OR DAMAGE TO CAN/CSA-W117.2-06. PERFORM HOT WORK IN A LOCATION FREE FROM COMBUSTIBLE MATERIALS WHEN POSSIBLE, OR DEPLOY FIRE RETARDANT BLANKETS OR CURTAINS AND FIRE WATCH. COORDINATE WORK WITH BUILDING OFFICIALS TO PREVENT ACCIDENTAL ALARMING OF AUTOMATIC FIRE/SMOKE DETECTION OR SUPPRESSION SYSTEMS.

HARBOURVIEW BLVD.



CUNARD ST.



0 ISSUED FOR TENDER MAY 31 2013

revisions date

project project

MASONRY WALL  
INVESTIGATION  
NICHOLAS DENYS  
BUILDING

120 HARBOURVIEW BLVD., BATHURST, NB

drawing dessin  
STRUCTURAL LINTELS  
FOR TEST OPENINGS

designed conçu

date

drawn MP dessiné

date MAY 31, 2013

approved RG approuvé

date

Tender Soumission

PWSC Project Manager Administrateur de projets TPSGC

project number no. du projet

R.051357.001

drawing no. no. du dessin

S1