

MASONRY CONTRACTOR TO FILL SOLID ALL CORES CONTAINING VERTICAL REINFORCING BARS.

STEEL FABRICATOR TO PROVIDE SHOP DRILLED HOLES IN BOTTOM FLANGE OF BEAM FOR PLACEMENT OF

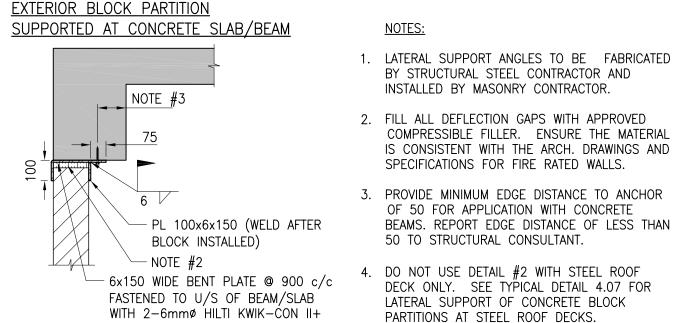
REFER TO DETAIL 'B' ABOVE - SEE ARCHITECTS DRAWINGS FOR TREATMENT OF DEFLECTION GAP ON FACE

BLOCK PARTITION SUPPORTED AT 2. BLOCK PARTITION SUPPORTED AT CONCRETE SLAB OR PRECAST PLANK CONCRETE SLAB ON STEEL FLOOR DECK THICKNESS 90 BLOCK 90 VENEER CONCRETE SLAB OR PRECAST PLANK CONCRETE ON STEEL DECKA-190 BLOCK

L100x75x6.4 LLV ANCHORED TO - WOOD ANGLE BEYOND-CONCRETE WITH 2-6mmø HILTI BLOCKING A KWIK-CON II+ WITH 25 MINIMUM HIGH FLUTE EMBEDMENT INTO CONCRETE

−NOTE #2 4. ANGLE CONFIGURATION 3. ANGLE SPACING AT INTERIOR PARTITION

-10mmø HOLE SHOP DRILLED INTO HORIZONTAL LEG OF ANGLE (OR BENT PLATE)

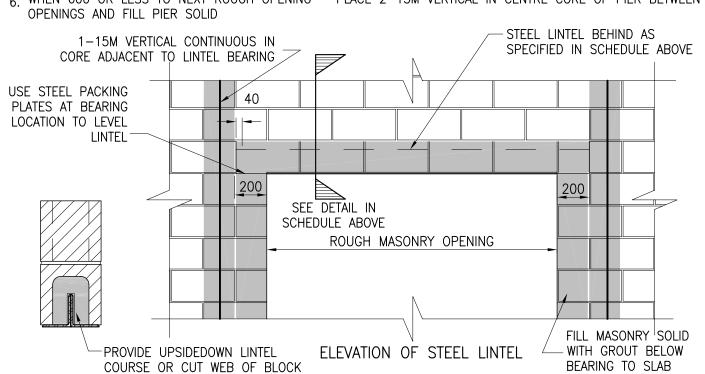


CLEAR SPAN OF ROUGH MASONRY OPENING DETAIL UP TO 1220 | 1221 to 1800 | 1801 to 2360 | 2361 to 3050 L100x90x8 L125x90x10 L90x90x6 L125x90x8 LLV 65 LEGS 2-L90x65x6 2-L90x65x10 2-L65x65x6 2-L90x65x8 HORIZ. 90 LEGS 2-L90x75x6 2-L90x90x6 2-L100x90x8 2-L125x90x10 HORIZ. L100x100x8 100 AND 125 L100x100x6 L150x100x8 + + L125x75x6 + L125x90x8 L125x125x8 L125x75x6 الس LEGS HORIZ. 90 LEGS 3-L90x75x6 3-L90x90x6 3-L100x90x8 3-L125x90x10 HORIZ.

- IT IS THE RESPONSIBILITY OF THE STRUCTURAL STEEL CONTRACTOR TO READ THIS SCHEDULE IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO DETEMINE SIZE AND LOCATION OF LINTELS IN NON-LOAD BEARING WALLS. OPENINGS IN NON-LOAD BEARING WALLS ARE <u>NOT SHOWN</u> ON STRUCTURAL DRAWINGS.
- 2. WELD BACK TO BACK ANGLES AT 400 c/c ON TOP AND BOTTOM OF LINTEL. FIRST WELD TO BE 75 FROM ENDS OF ANGLES.
- 3. ALL EXTERIOR LINTELS SUPPORTING BRICK VENEER TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
- 4. CONNECT ALL LINTELS TO COLUMNS WHEN THERE IS LESS THAN 300 BETWEEN EDGE OF ROUGH OPENING AND STEEL COLUMN FACE.
- 5. FILL BLOCKS AROUND STEEL LINTELS IN CONCRETE BLOCK WALLS SOLID WITH GROUT.

AROUND VERT. LEGS OF LINTEL

WHEN 600 OR LESS TO NEXT ROUGH OPENING - PLACE 2-15M VERTICAL IN CENTRE CORE OF PIER BETWEEN OPENINGS AND FILL PIER SOLID

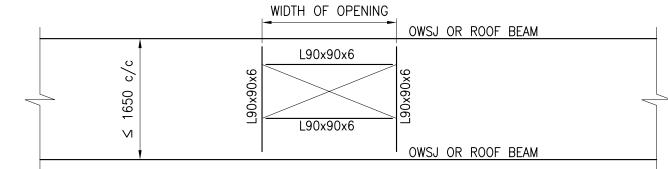


STRUCTURAL STEEL LINTELS FOR NON-LOAD BEARING

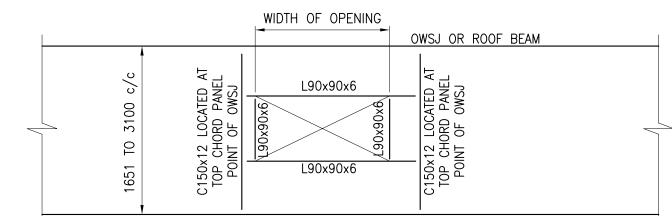
CONCRETE BLOCK WALLS AND BRICK VENEER

OPENINGS 200 TO 360 WIDE L65x65x5 EACH SIDE OF — OPENING (BOLTED OR WELDED EXTEND ANGLES TO WIDTH OF TWO FLUTES EACH SIDE OF CONNECT TO A MIN. OPENING OPENING BY DECK CONTRACTOR) OF TWO FULL FLUTES OF DECK EACH SIDE OF OPENING

OPENINGS WIDER THAN 360 AND JOISTS SPACED @ 1650 OR LESS



3. OPENINGS WIDER THAN 360 AND JOISTS SPACED @ 1651 TO 3100



- 1. UNLESS NOTED OTHERWISE ON PLAN, PROVIDE FRAMING AROUND OPENINGS IN STEEL ROOF DECK AS SHOWN ABOVE.
- 2. READ THIS DETAIL IN CONJUNCTION WITH THE STRUCTURAL, ARCHITECTURAL AND MECHANICAL ROOFTOP PLANS TO DETERMINE SIZE AND LOCATION OF OPENINGS THROUGH STEEL ROOF DECK.
- 3. STRUCTURAL STEEL FABRICATOR TO PROVIDE STRUCTURAL STEEL FOR FRAMING OPENINGS IN ROOF DECK. DECK SUPPLIER TO INSTALL FRAMING FOR #1 ABOVE. STRUCTURAL STEEL ERECTOR TO INSTALL FRAMING FOR #2 AND #3 ABOVE.

5.02 | OPENINGS IN STEEL ROOF DECK

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ISSUES:

DESCRIPTION

ISSUED FOR TENDER

ISSUED FOR CONSTRUCTION

DATE

SEP. 24, 2010

DEC. 16, 2010

MASONRY ANCHORAGE TO STEEL BEAMS

BARS AS SHOWN IN DETAIL 'B' ABOVE.

OF WALL EXPOSED TO VIEW

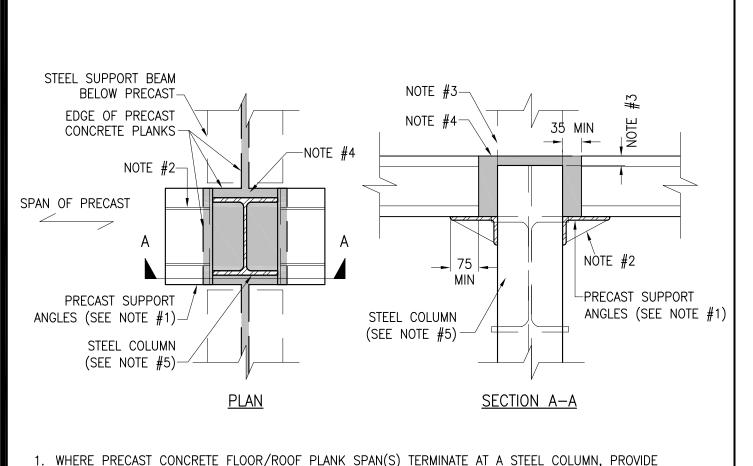
LATERAL SUPPORT OF CONCRETE BLOCK PARTITION AT CONCRETE SLABIDECK

ANCHORS WITH 25 MINIMUM

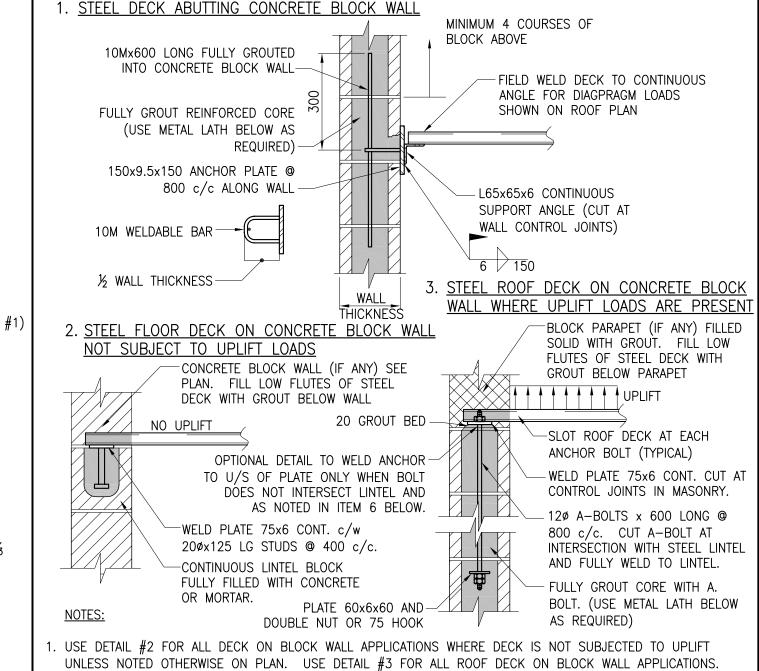
EMBEDMENT INTO CONCRETE. (SEE

DETAIL #4 FOR HOLE CONFIGURATION)





- WHERE PRECAST CONCRETE FLOOR/ROOF PLANK SPAN(S) TERMINATE AT A STEEL COLUMN, PROVIDE L152x89x8.0 LLH STEEL SUPPORT ANGLES WELDED TO FACE OF COLUMN AS SHOWN. NOTE THAT ANGLE MAY BE REQUIRED ONLY ON ONE SIDE OF COLUMN. SEE FRAMING PLANS TO DETERMINE NUMBER OF ANGLES REQUIRED AT EACH STEEL COLUMN.
- 2. IF LENGTH OF PRECAST PLANK BEING SUPPORTED IS 9000mm OR GREATER, ADD 6.4mm STIFFENERS AT 1/3 SPAN OF STEEL ANGLE. SEE FRAMING PLAN TO DETERMINE LENGTH OF PRECAST CONCRETE PLANK BEING SUPPORTED BY ANGLE.
- 3. IF CONCRETE COLUMN TERMINATES AT LEVEL OF PRECAST CONCRETE FLOOR/ROOF SLABS TO BE SUPPORTED, EXTEND COLUMN ABOVE UNDERSIDE OF PRECAST PLANKS TO WITHIN 30mm OF TOP OF PRECAST ELEVATION. NOTE THAT PRECAST CONCRETE SLAB FABRICATOR MUST NOTCH AROUND COLUMN REGARDLESS OF WHETHER COLUMN CONTINUES ABOVE PRECAST.
- 4. IF NOT CONCRETE TOPPING PRESENT, PRECAST CONCRETE PLANK ERECTOR TO FULLY GROUT AROUND STEEL COLUMN AS SHOWN. PROVIDE FORMWORK AT UNDERSIDE OF PRECAST AS REQUIRED TO SUPPORT WET GROUT AROUND COLUMN. IF CONCRETE TOPPING IS PRESENT, CONCRETE FORMING CONTRACTOR TO ENSURE THAT COLUMN IS FULLY SURROUNDED BY CONCRETE AS SHOWN.
- 5. W-SECTION COLUMN SHOWN TYPICAL DETAIL IS SIMILAR FOR HSS COLUMN SECTIONS



USE DETAIL #1 ONLY AS INDICATED ON PLANS AND DETAILS. 2. SEE PLAN FOR LOADS ON STEEL DECK. CONNECT DECK TO WELDPLATE (OR SUPPORT ANGLE) FOR DIAPHRAGM

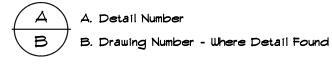
- LOADS INDICATED ON PLAN
- 3. SEE ALSO TYPICAL DETAIL 5.04 FOR ANCHORAGE OF JOIST BRIDGING TO CONCRETE BLOCK WALLS. 4. DECK SUPPLIER/ERECTOR TO NOTCH DECK ON SITE AROUND TOP OF ANCHOR BOLTS AS SHOWN IN DETAIL #3.
- 5. MASONRY CONTRACTOR TO PROVIDE HOLE IN BOTTOM OF CONTINUOUS LINTEL BLOCK TO INSTALL CONTINUOUS VERTICAL WALL REINFORCING AS SPECIFIED ON PLAN FOR DETAIL #2.
- 6. DO NOT EXTEND PLATE MORE THAN 75 PAST ANCHOR POINT. IF BARS ARE PRE-WELDED TO U/S OF WELD PLATE FABRICATOR TO SUPPLY ADDITIONAL NUTTED ANCHORS TO ALLOW FIELD CUTTING OF PLATE TO LENGTH.

SUPPORT OF PRECAST CONCRETE PLANKS AT STEEL COLUMNS

STEEL DECK SUPPORTED AT LOAD BEARING CONCRETE BLOCK WALLS



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PROJECT NAME:

NEW WINNIPEG STATION No. 27 PROJECT

WINNIPEG, MANITOBA

DRAWING TITLE:

TYPICAL DETAILS 4 MASONRY & STEEL

PROJECT NORTH: STAMP:

SCALE:	PROJECT NO.:
	— 10123
DATE:	10123
	FILE NAME:
ISSUED:	
MAY 20 2010	DRAIJING NO:

DRAWN BY: CHECKED BY: