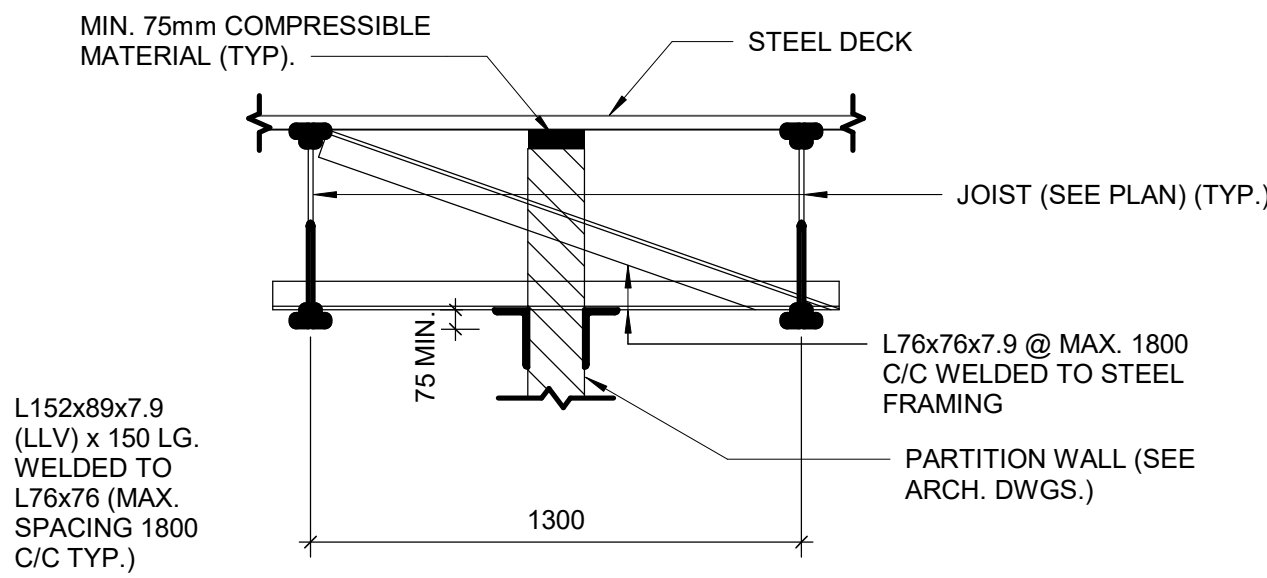
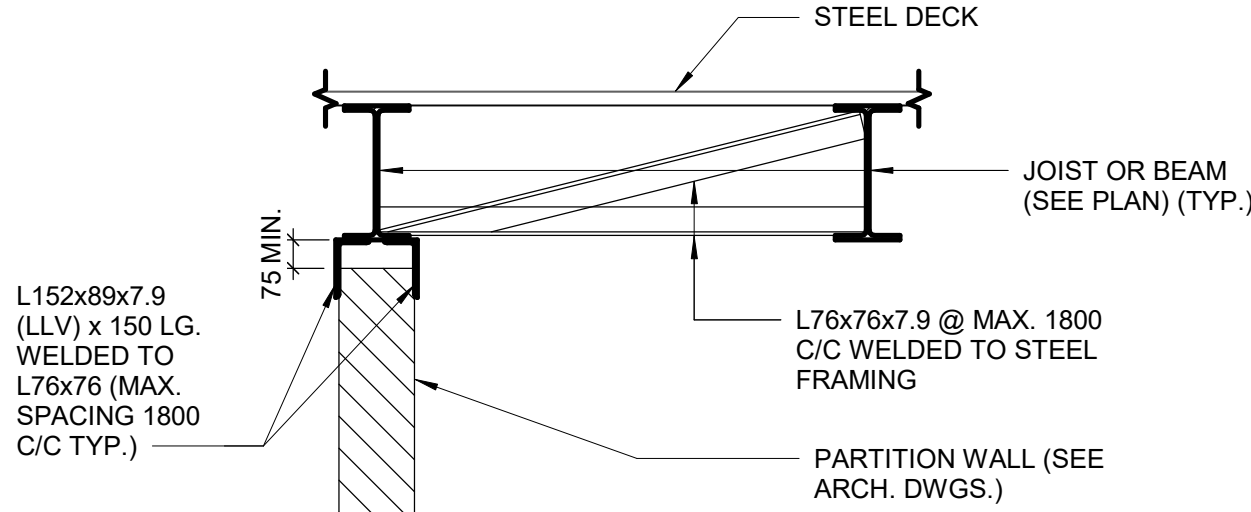




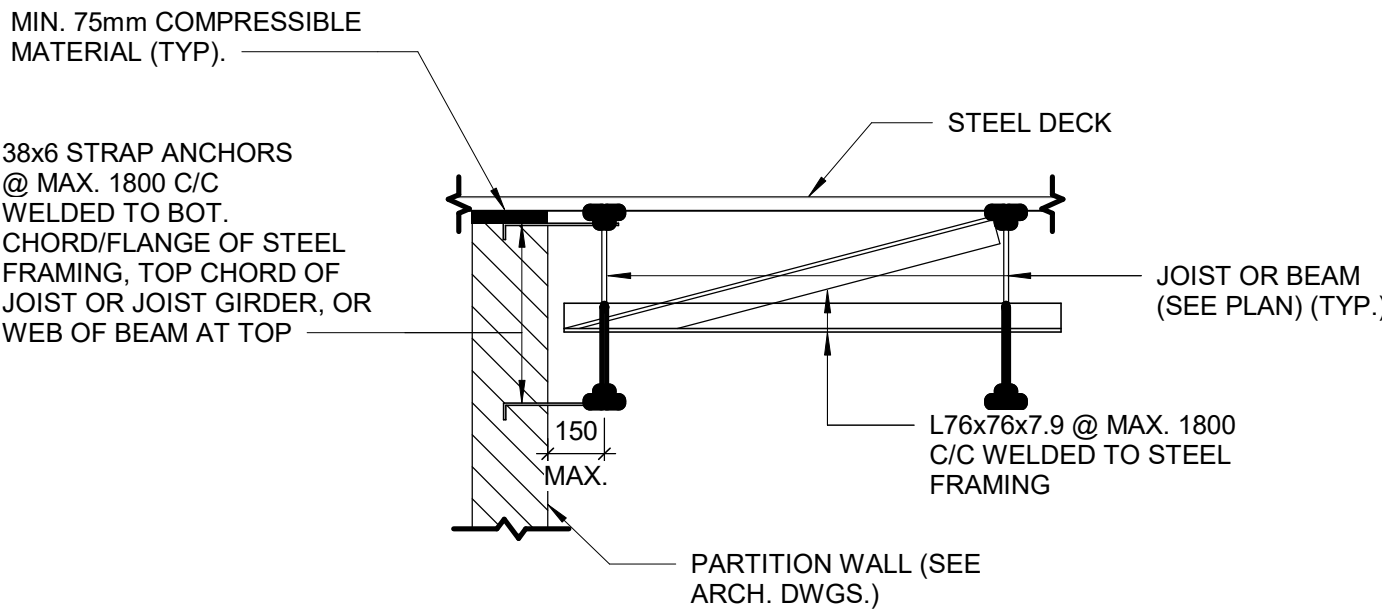
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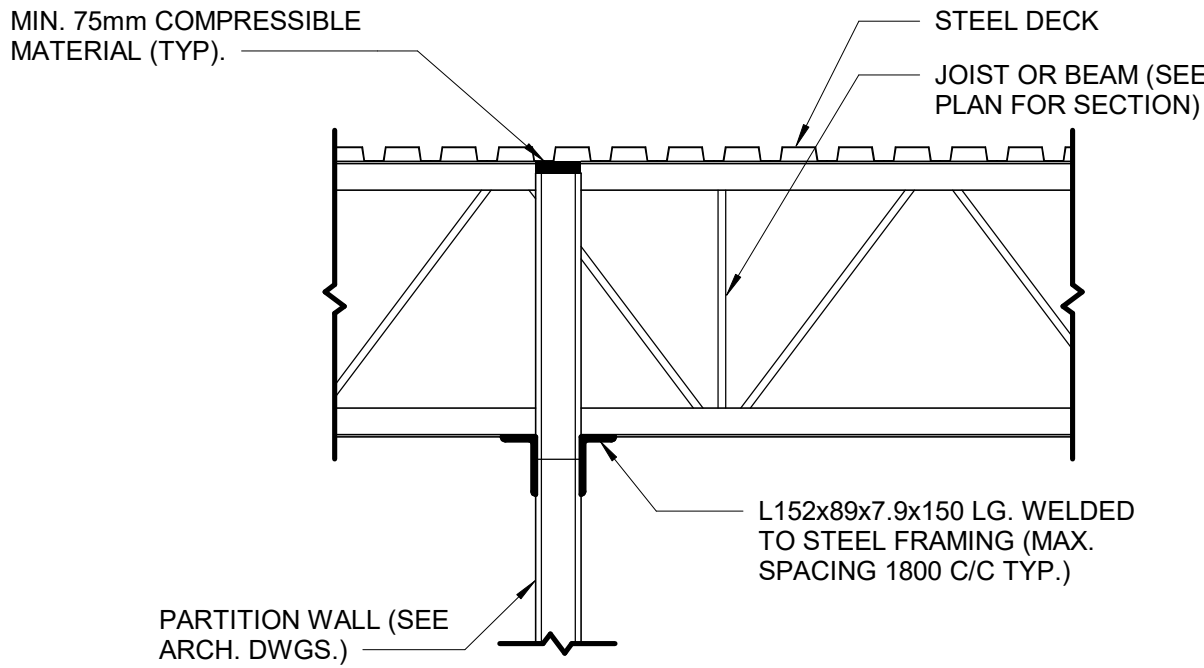
1 PARTITION WALL BETWEEN JOISTS
D2200 Scale: 1 : 20



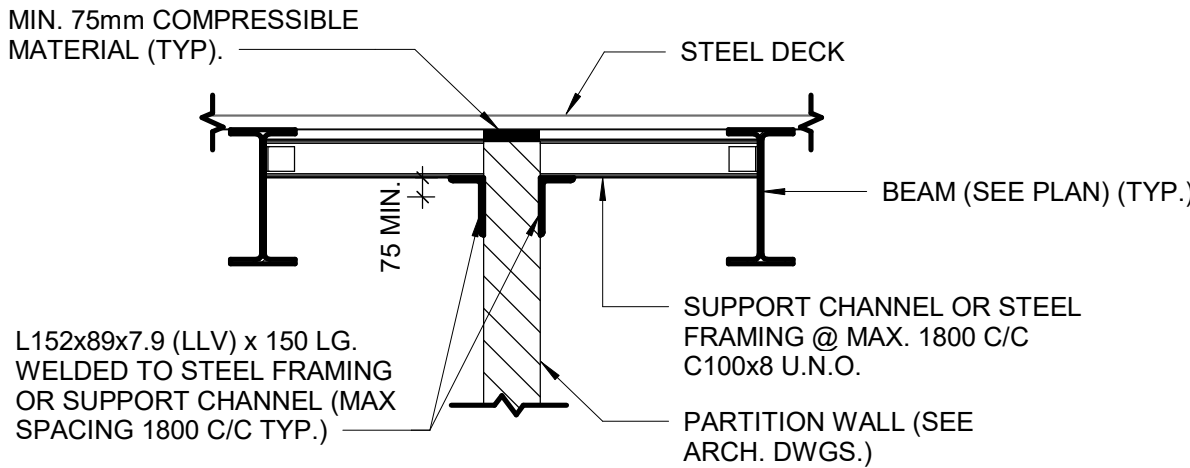
2 PARTITION WALL PARALLEL TO AND CENTERED ON JOIST OR BEAM
D2200 Scale: 1 : 20



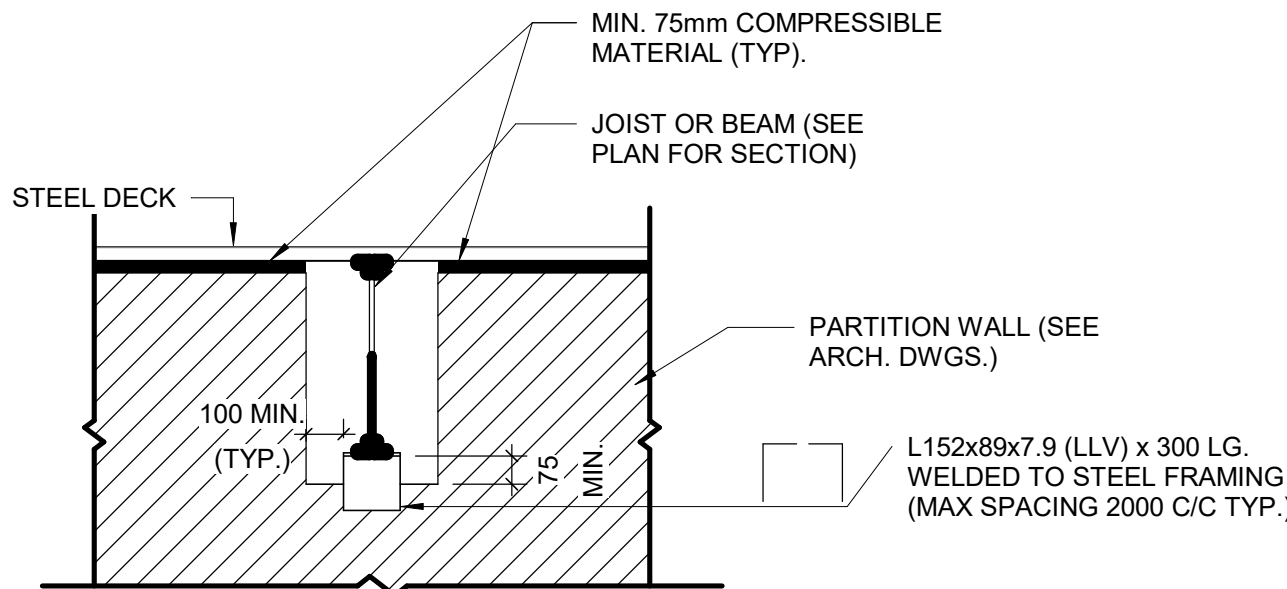
3 PARTITION WALL PARALLEL TO JOISTS OR BEAM
D2200 Scale: 1 : 20



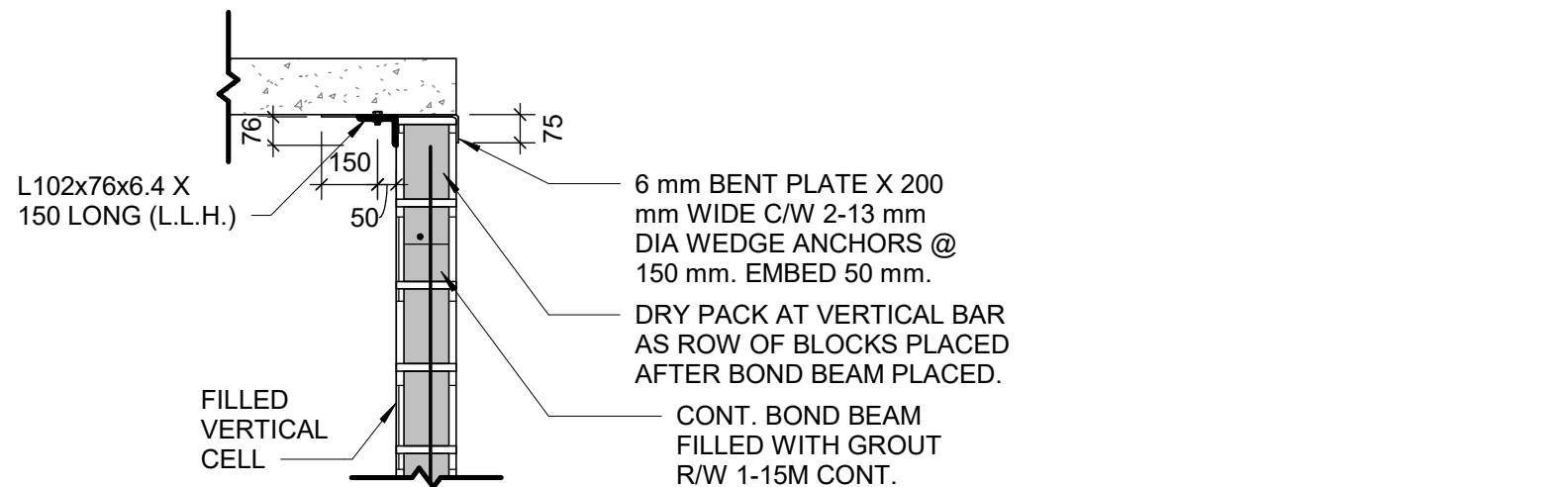
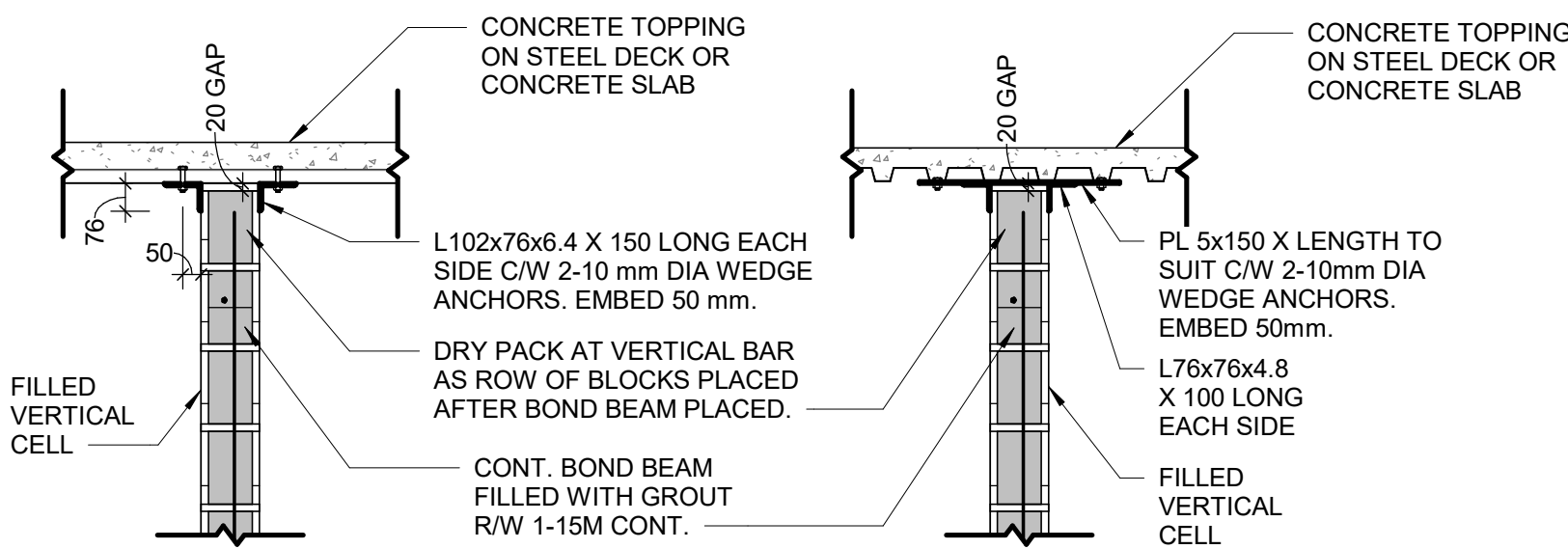
4 PARTITION WALL PERPENDICULAR TO JOIST OR BEAM
D2200 Scale: 1 : 20



5 PARTITION WALL BETWEEN BEAMS
D2200 Scale: 1 : 20



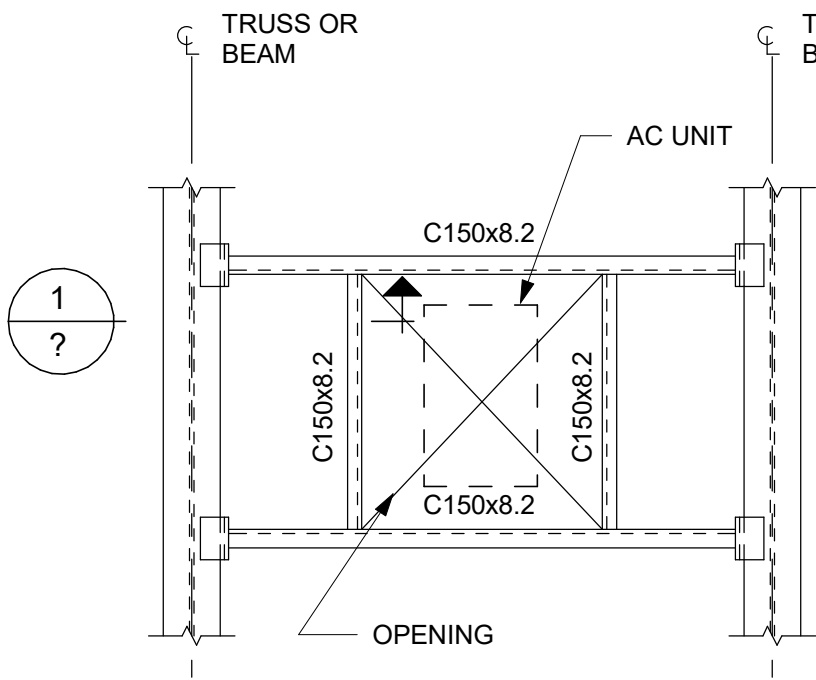
6 PARTITION PERPENDICULAR TO JOIST OR BEAMS
D2200 Scale: 1 : 20



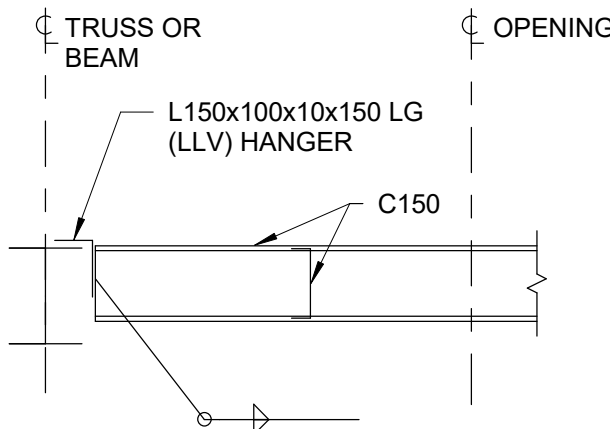
NOTES:
1. ALL CONNECTIONS TO BE AT FILLED VERTICAL CELLS AT 1200 mm O/C MAXIMUM UNLESS NOTED OTHERWISE.
2. FIELD WELD ANGLES TO EMBEDDED PLATE.

7 SUPPORT DETAIL AT TOP OF BLOCK WALL
D2200 Scale: 1 : 20

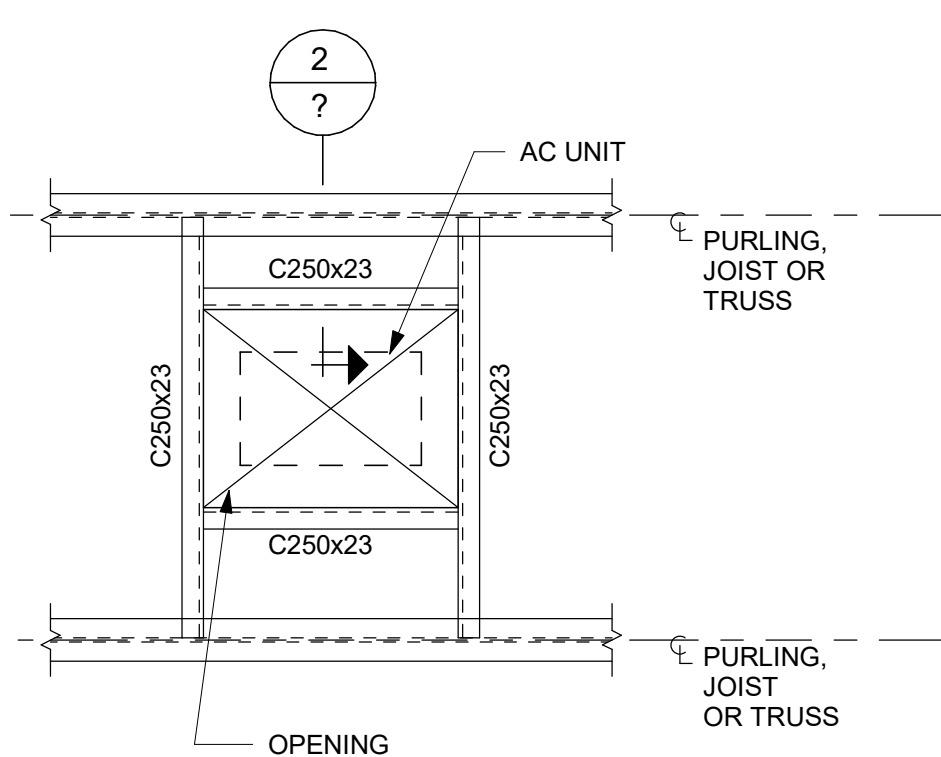
CLIENT		
CITY OF TORONTO		
55 John ST. TORONTO, ON M5V 3C6		
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No.	DESCRIPTION	DATE
A	50% SUBMISSION	2021-06-24
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PRIME CONSULTANT		
IBI GROUP 175 Galaxy Blvd, Unit 100 Toronto, ON M9W 0C9, Canada tel 416 679 1930 fax 416 675 4620 ibigroup.com		
PROJECT TITLE		
CITY OF TORONTO ACCESSIBILITY UPGRADES		
PROJECT ADDRESS		
Toronto City Hall 100 Queen St W Toronto, ON M5G 1P5		
PROJECT NO: 122260		
DRAWN BY: G. POULOU	CHECKED BY: S. NASSER	
PROJECT MGR: M. HABER	APPROVED BY: K. ANGER	
SHEET TITLE		
STRUCTURAL STEEL DETAILS - 1		
SHEET NUMBER		ISSUE
D2200		A



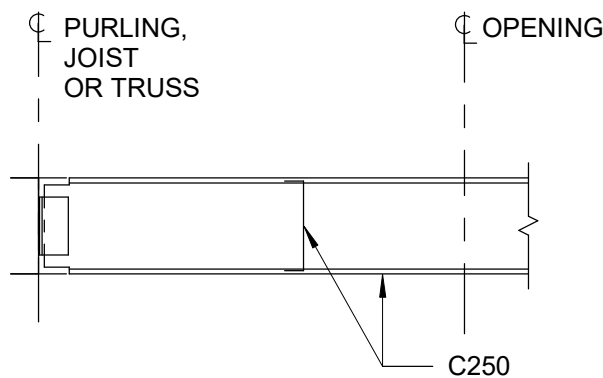
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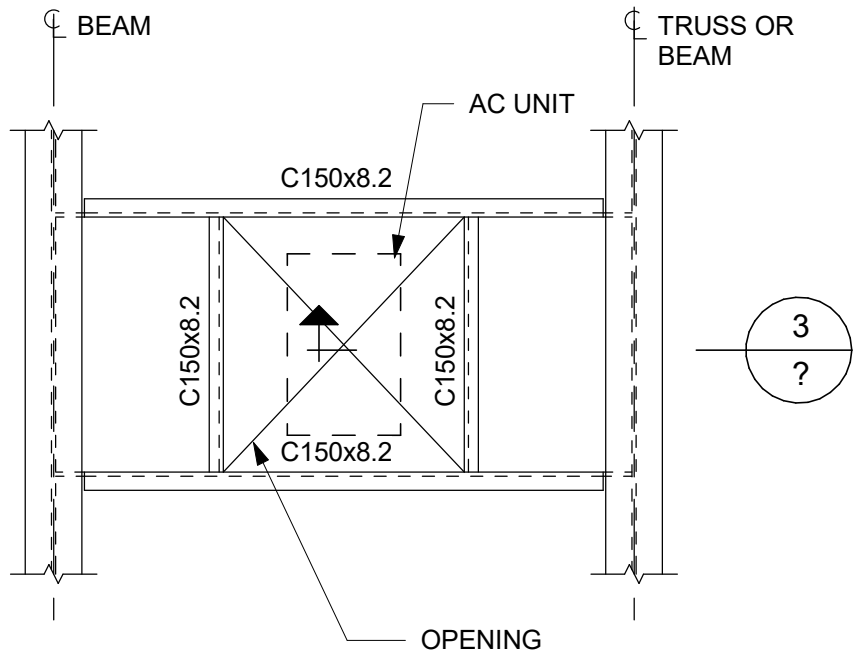
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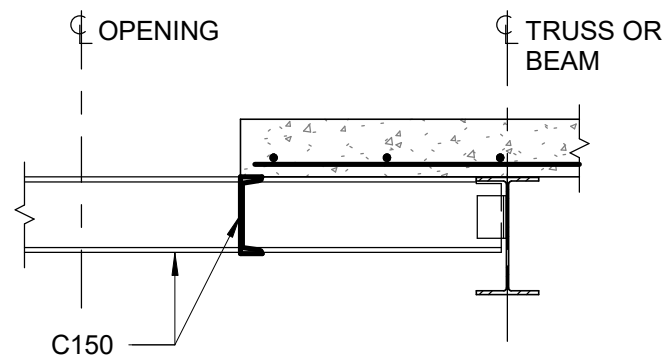
FRAME TYPE "B"



2
?



FRAME TYPE "C"



3
?

1


D2201

TYPICAL ROOF OPENING

Scale: 1 : 20

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CONSULTANTS

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PRIME CONSULTANT



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Toronto, ON M9W 0C9, Canada
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ibigroup.com

PROJECT TITLE

CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

Toronto City Hall
100 Queen St W Toronto,
ON MPG 1P5

PROJECT NO:

122260

DRAWN BY:

G. POULOU

CHECKED BY:

S. NASSER

PROJECT MGR:

M. HABER

APPROVED BY:

K. ANGER

SHEET TITLE

STRUCTURAL STEEL
DETAILS - 2

SHEET NUMBER

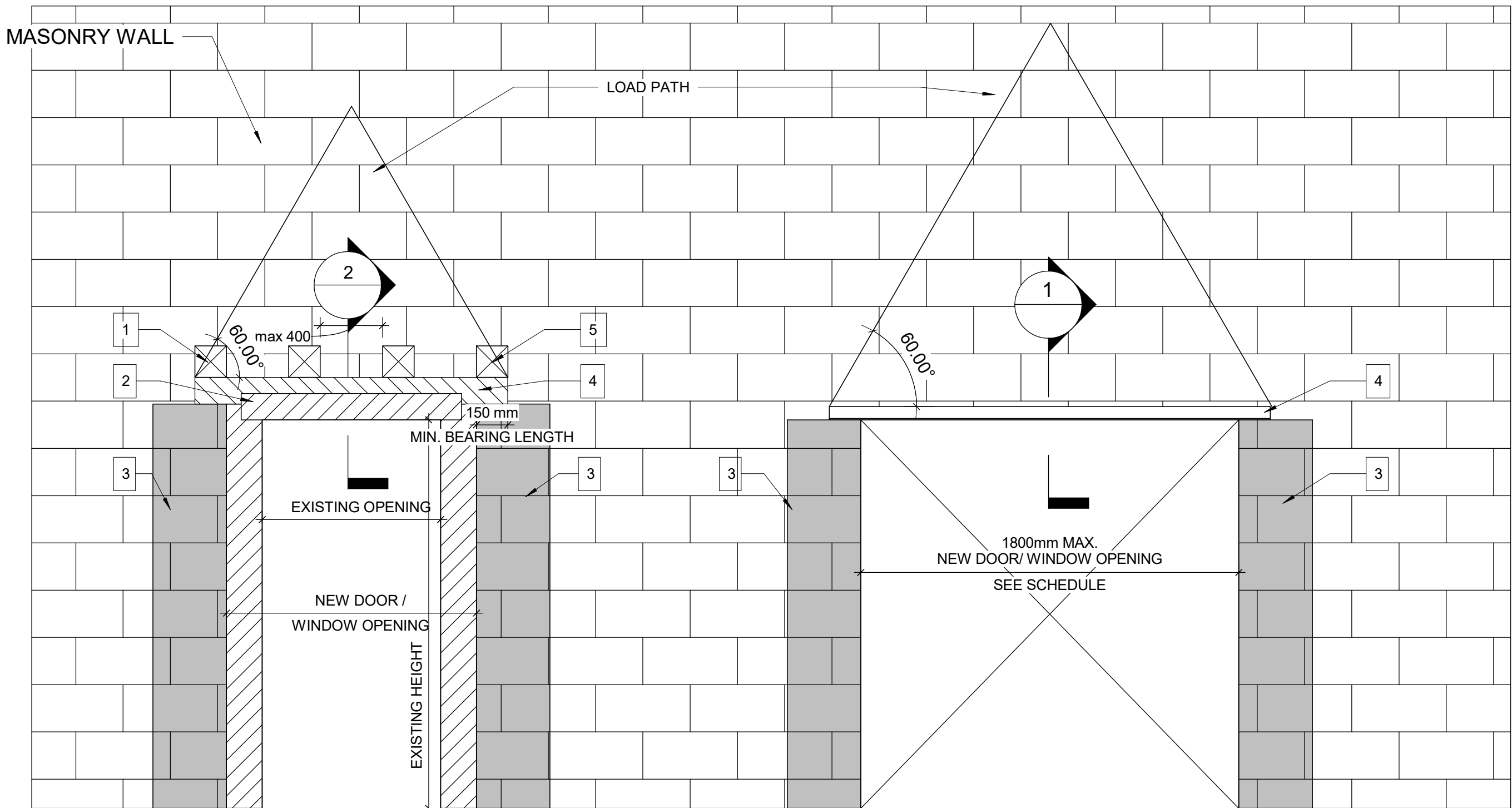
D2201

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**WIDENING AN EXISTING OPENING
IN EXISTING MASONRY WALL TYP.**

**NEW DOOR/WINDOW OPENING
INTO EXISTING MASONRY WALL TYP.**

PROPOSED SEQUENCE OF WORK

1	CREATE NEW 150x150mm HOLES @ 400mm INTO EXISTING MASONRY WALL AND SHORE THE WALL ABOVE. SEE DETAIL 1. OR SHORE THE WALL ABOVE BY USING 2 CHANNELS BACK TO BACK AND THROUGH BOLTS @350mm, SEE DETAIL 2
2	DEMOLISH THE EXISTING LINTEL, THE VOID FOR NEW BEAM AND THE WALL FROM EACH SIDE OF THE NEW OPENING
3	FILL TWO CORES MIN. OF EXISTING MASONRY WALL WITH GROUT EACH SIDE OF THE NEW OPENING, (DRILL HOLES TOP AND BOTTOM OF EACH CORE, INJECT GROUT, CLOSE HOLES WITH MORTAR AND MAKE GOOD SURFACE)
4	INSTALL NEW LINTEL. SEE LINTEL SCHEDULE FOR LINTEL SIZE
5	ADD MASONRY FACES AT LINTEL AND REPAIR MASONRY COURSE

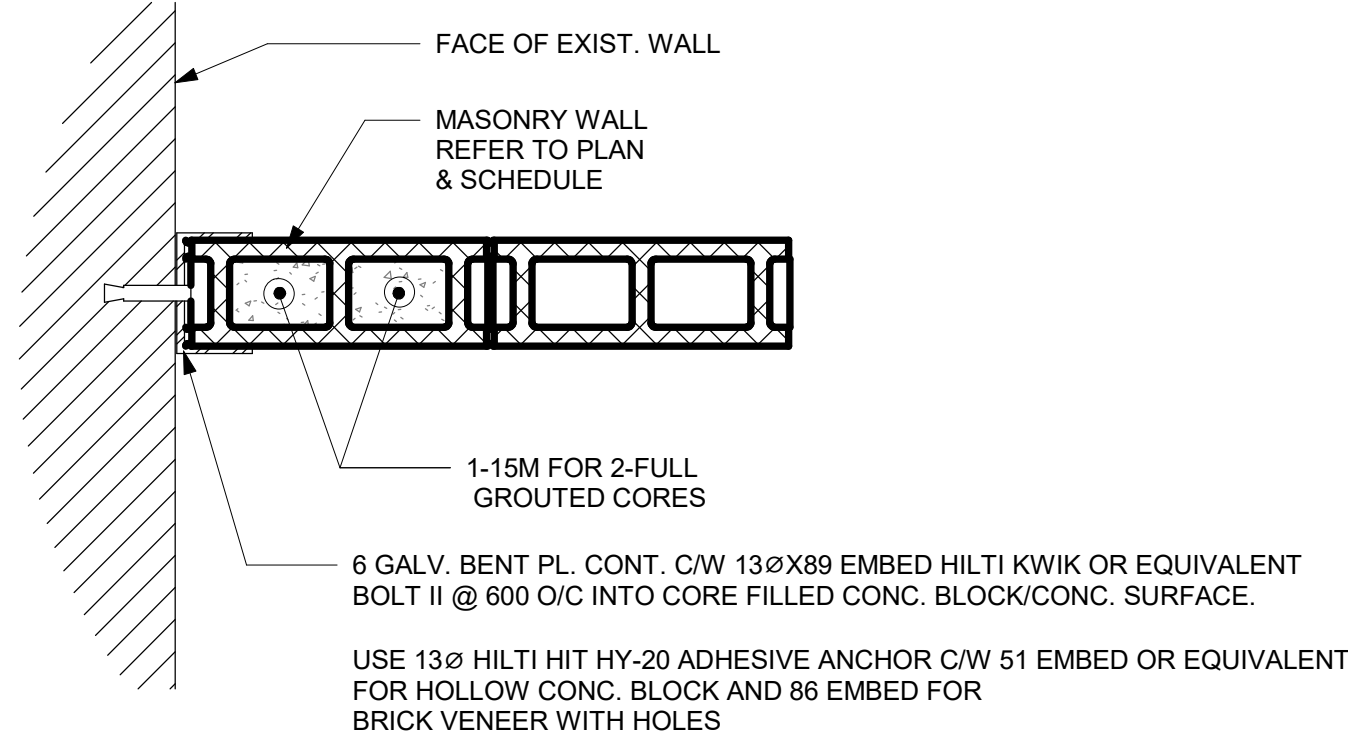
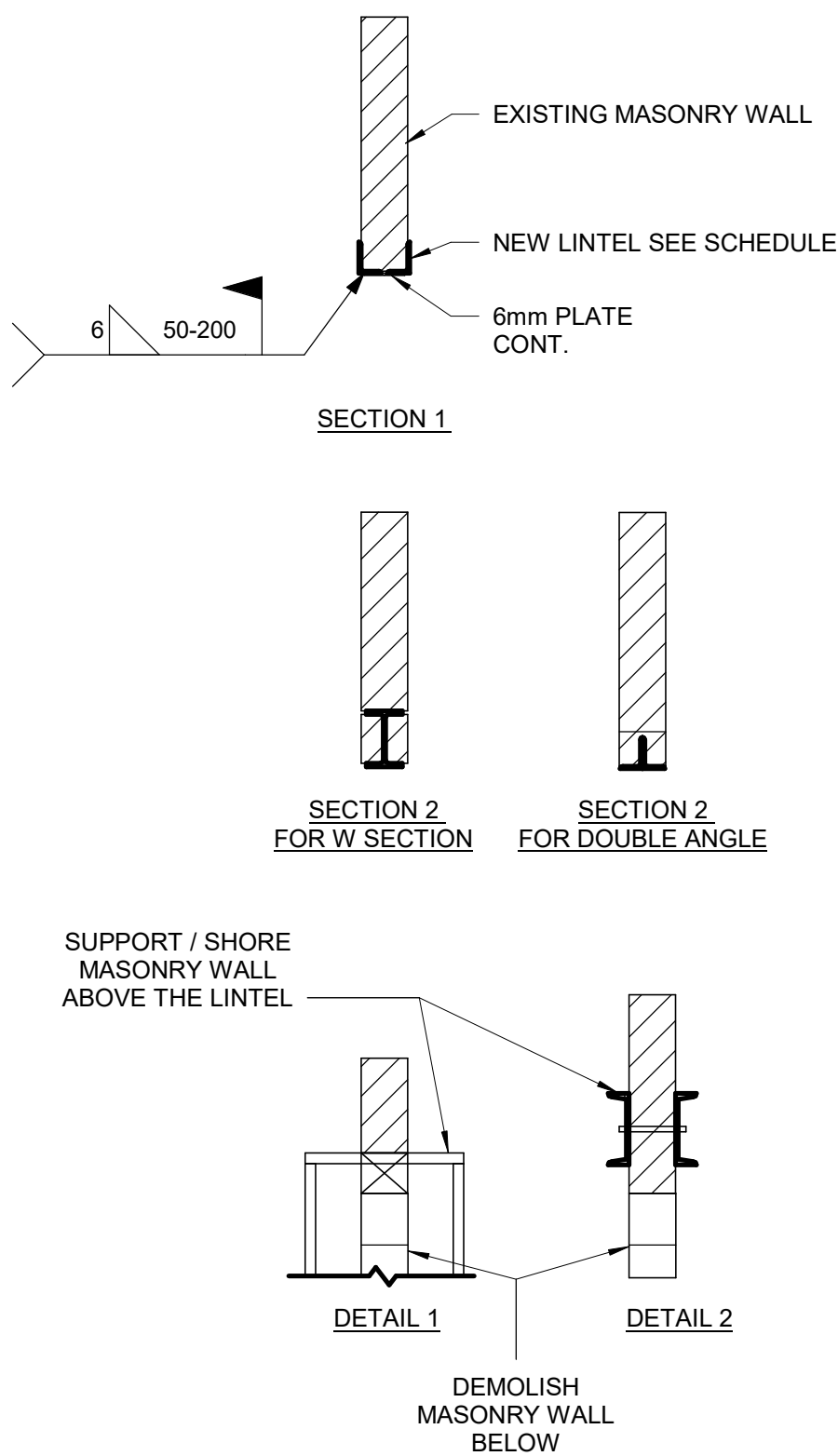
LINTEL:

OVER ALL OPENINGS IN MASONRY WALLS PROVIDE THE FOLLOWING LINTELS.
UNLESS OTHERWISE SHOWN.

STEEL LINTELS

CLEAR SPAN mm (ft-in)	140 (6") WALL	190 (8") WALL	240 (10") WALL	290 (12") WALL
UP TO 1200 (4'-0")	L127x127x7.9	2-L89x89x7.9 +170x6mm PL	L89x89x7.9 +L127x89x7.9 LLV +220x6mm PL	3-L89x89x7.9 +270x6mm PL
1201 TO 1800 (4'-0 - 6'-)	2-L89x64x6.4LLV	2-L127x89x7.9LLV	L127x89x7.9LLV +L127x127x7.9	3-L127x89x7.9LLV
1801 TO 3100 (6'- 10')	2-L89x64x9.5LLV	2-L152x89x9.5LLV	2-L152x89x9.5LLV	3-L152x89x9.5LLV

- TO INSTALL A LINTEL TO THE EXISTING BLOCK WALL FOR A NEW OPENING, CUT A GROOVE THROUGH THE EXISTING BLOCK WALL AT THE TOP OF THE NEW OPENING AND INSTALL THE ANGLE FROM ONE SIDE OF THE WALL FOR SINGLE ANGLE OR FROM BOTH SIDES OF THE WALL FOR DOUBLE ANGLE AND THEN CUT THE OPENING.
- MINIMUM BEARING FOR STEEL LINTELS SHALL BE 200mm
- ALL STEEL LINTELS AND SHELF ANGLES IN THE EXTERIOR MASONRY SHALL BE HOT DIP GALVANIZED



2 TYPICAL CMU WALL CONNECTION TO EXISTING WALL
Scale: 1 : 10

1 WIDENING WALL OPENING
D2300 Scale: 1 : 20

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APPROVED BY:

K. ANGER

SHEET TITLE

MASONRY DETAILS

SHEET NUMBER

D2300

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