



Canadian Concrete Masonry Producers' Association

# Details

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**PROPERTY SPECIFICATIONS FOR  
JOB PREPARED MORTAR  
CSA A179M**

MORTAR TYPE	MINIMUM COMPRESSIVE STRENGTH, MPa		MINIMUM WATER RETENTION %
	@ 7 DAYS	@ 28 DAYS	
S	5.0	8.5	70
N	2.0	3.5	70

PROJECT

MORTAR

BLOCK TYPE

HOLLOW  
75% SOLID  
SOLID PIER

**CONCRETE BLOCK MORTAR  
MIX PROPORTIONS  
CSA A179M**

MORTAR TYPE	PARTS BY VOLUME			
	PORTLAND CEMENT	MASONRY CEMENT	HYDRATED LIME OR LIME PUTTY	AGGREGATE
S	1/2	1	—	3 1/2 - 4 1/2
	1	—	1/2	4 1/2 - 6
N	—	1	—	2 1/4 - 3
	1	—	1	4 1/2 - 6

PROJECT

MORTAR

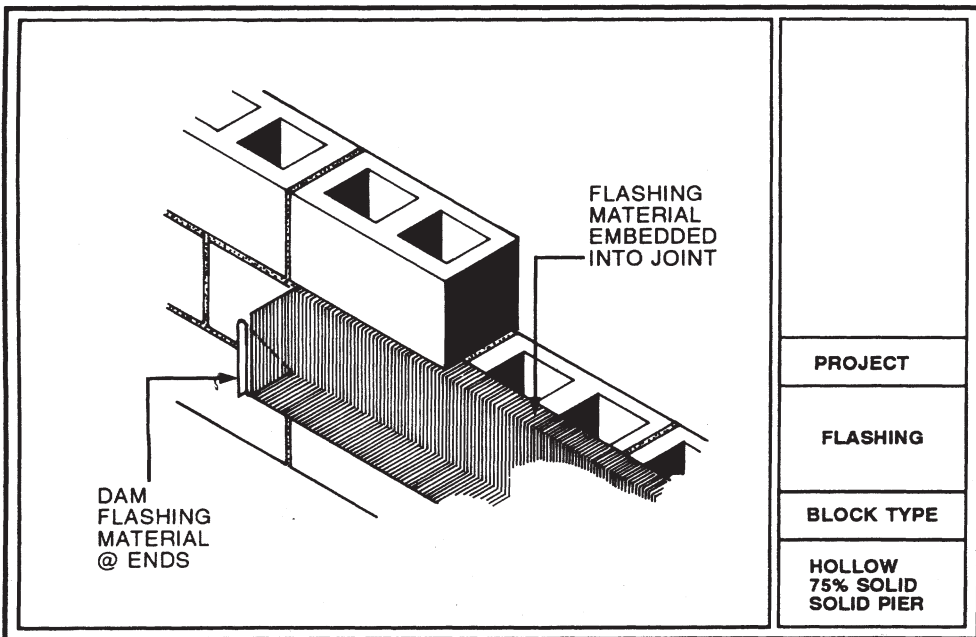
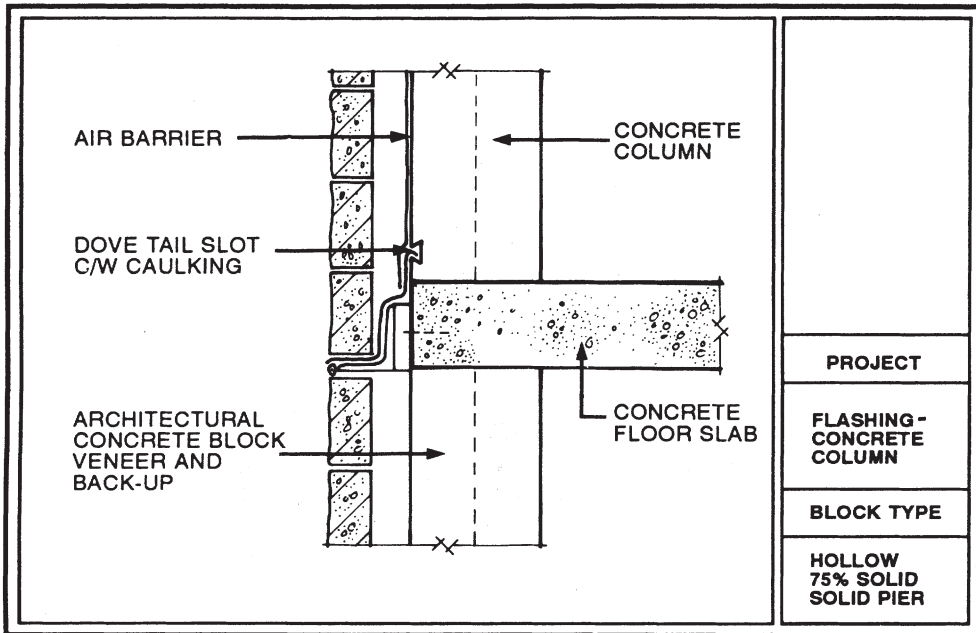
BLOCK TYPE

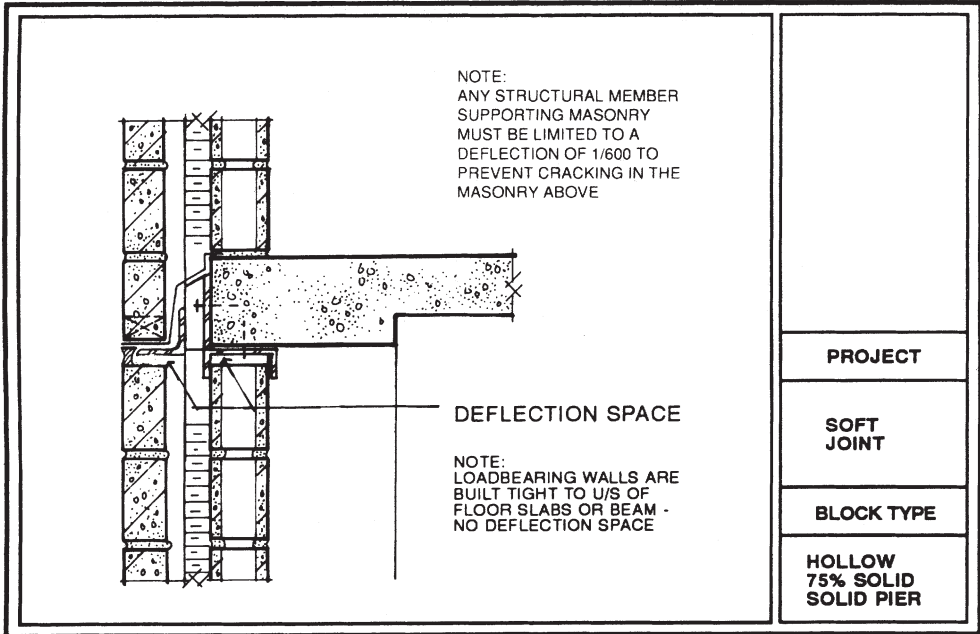
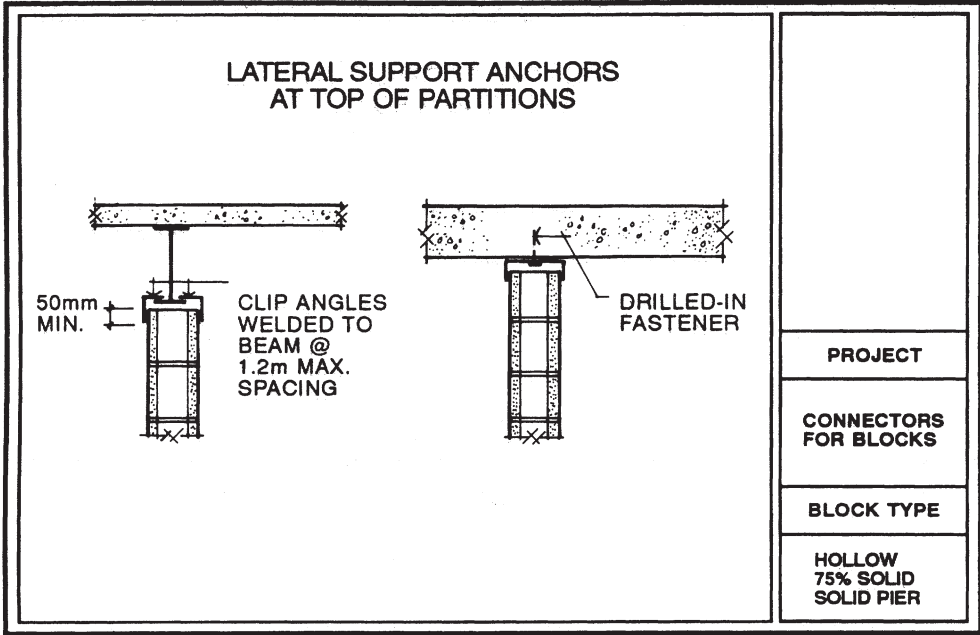
HOLLOW  
75% SOLID  
SOLID PIER

<p><b>CORRECT DIMENSIONING</b></p> <p><b>ELEVATION</b> N.T.S.</p> <p><b>PLAN</b> N.T.S.</p>	<p><b>INCORRECT DIMENSIONING</b></p> <p><b>ELEVATION</b> N.T.S.</p> <p><b>PLAN</b> N.T.S.</p> <p>CUT CONCRETE BLOCKS</p>	<p>PROJECT</p> <hr/> <p>WALL OPENINGS</p> <hr/> <p>BLOCK TYPE</p> <hr/> <p>HOLLOW 75% SOLID SOLID PIER</p>
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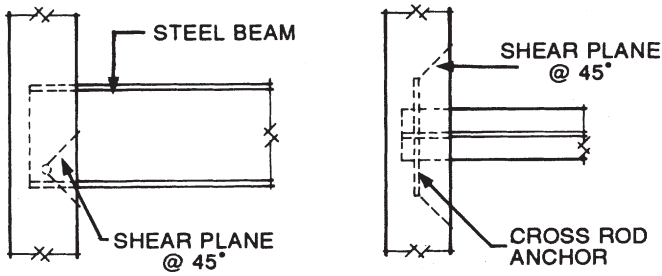
<p><b>HOOK TIE - CONCRETE BLOCK TO STRUCTURAL STEEL</b></p> <p>- HOT DIPPED GALVANIZED STAINLESS STEEL FINISH REQUIRED</p>	<p>PROJECT</p> <hr/> <p>STEEL COLUMN CONNECTOR</p> <hr/> <p>BLOCK TYPE</p> <hr/> <p>HOLLOW 75% SOLID SOLID PIER</p>
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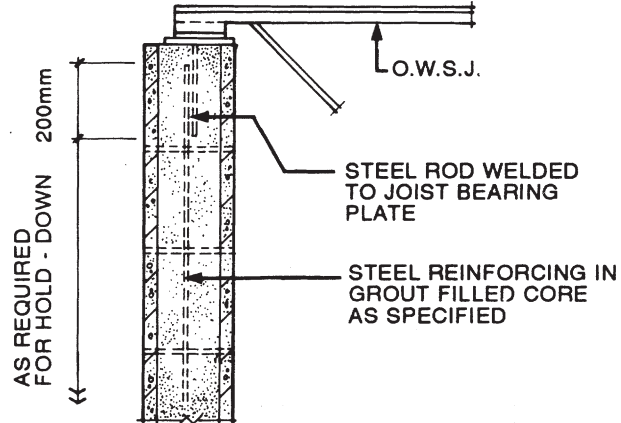
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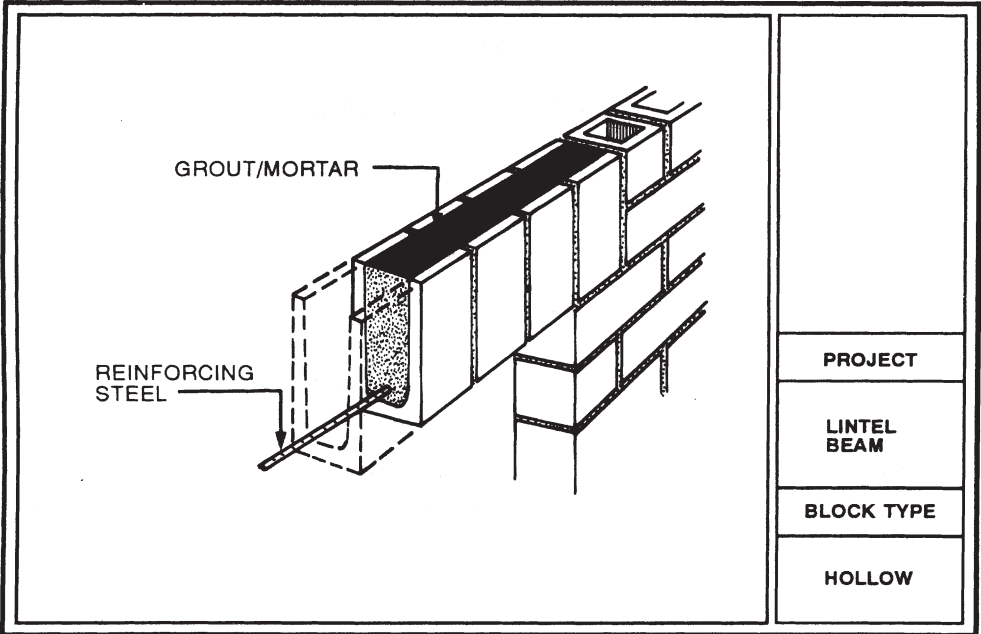
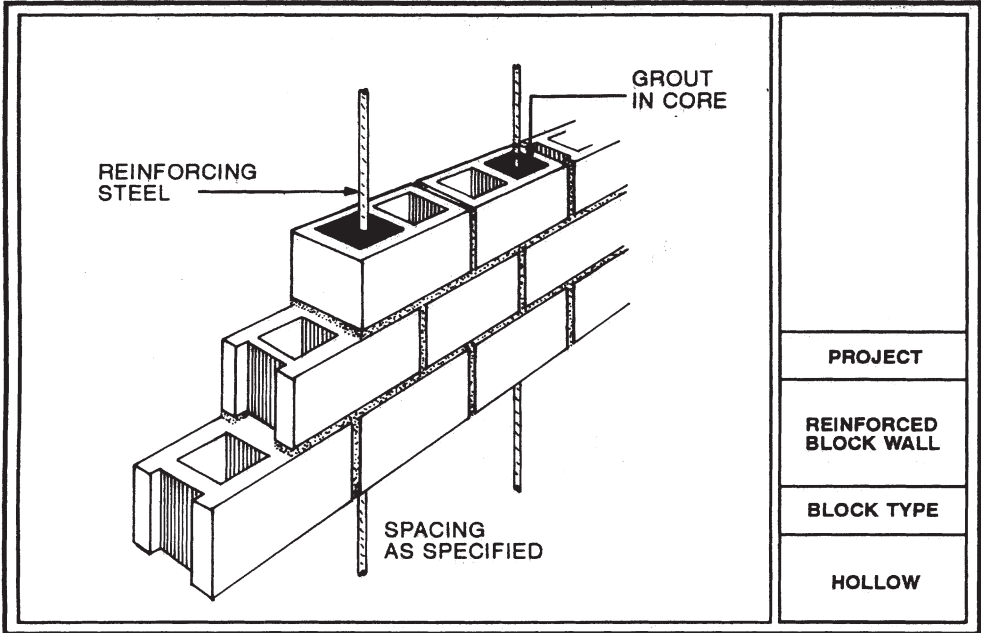




# Details

CROSS ROD ANCHOR USED TO ANCHOR A BEAM IN A WALL					
 <p style="text-align: center; margin-top: 10px;"> <span style="display: inline-block; width: 45%; text-align: left;">CROSS - SECTION N.T.S.</span> <span style="display: inline-block; width: 45%; text-align: right;">HORIZONTAL CROSS - SECTION N.T.S.</span> </p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="height: 40px;">PROJECT</td></tr> <tr><td style="height: 40px;">CONNECTORS FOR BLOCK</td></tr> <tr><td style="height: 40px;">BLOCK TYPE</td></tr> <tr><td style="height: 40px;">HOLLOW 75% SOLID</td></tr> </table>	PROJECT	CONNECTORS FOR BLOCK	BLOCK TYPE	HOLLOW 75% SOLID
PROJECT					
CONNECTORS FOR BLOCK					
BLOCK TYPE					
HOLLOW 75% SOLID					

HOLD DOWN ANCHOR FOR STEEL JOISTS					
 <p style="text-align: center; margin-top: 10px;">CROSS - SECTION N.T.S.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="height: 40px;">PROJECT</td></tr> <tr><td style="height: 40px;">CONNECTORS FOR MASONRY</td></tr> <tr><td style="height: 40px;">BLOCK TYPE</td></tr> <tr><td style="height: 40px;">HOLLOW</td></tr> </table>	PROJECT	CONNECTORS FOR MASONRY	BLOCK TYPE	HOLLOW
PROJECT					
CONNECTORS FOR MASONRY					
BLOCK TYPE					
HOLLOW					



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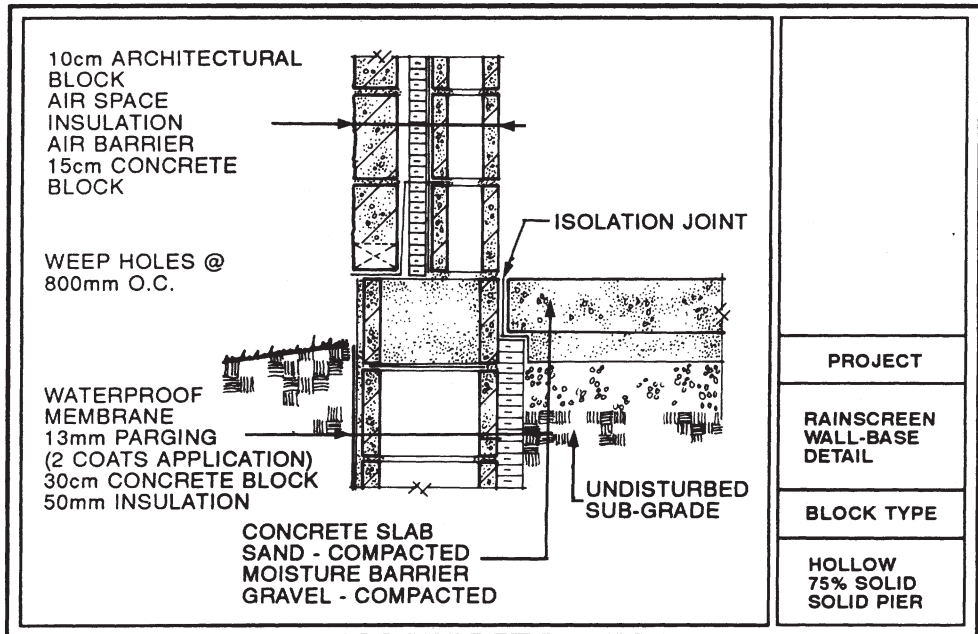
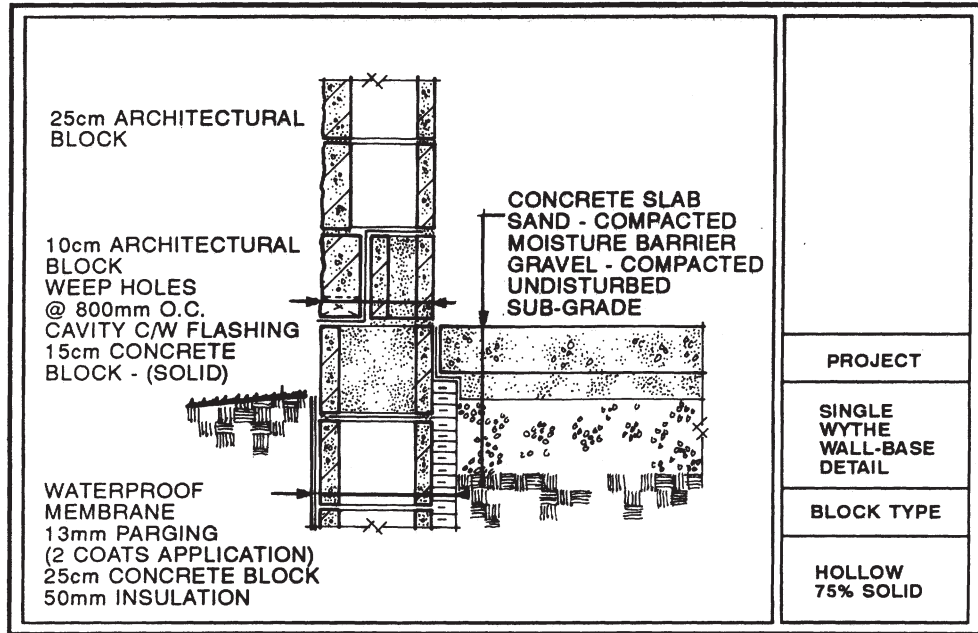
<p>NOTE: CONCRETE BLOCK COURSING SHOULD BE CONSIDERED WHEN DETERMINING WINDOW OPENING SIZE.</p>		<p>10cm ARCHITECTURAL BLOCK STEEL SHELF ANGLE C/W FLASHING &amp; WEEP HOLES @ 800mm O.C. OVER OPENING AIR SPACE INSULATION AIR BARRIER 10cm CONC. BLOCK BOND BEAM PAINTED</p>		
			<p>10cm ARCHITECTURAL BLOCK FLASHING C/W WEEP HOLES @ 800mm O.C. UNDER OPENING AIR SPACE INSULATION AIR BARRIER 10cm CONCRETE BLOCK, PAINTED</p>	<p>PROJECT</p>
				<p>RAINSCREEN WALL- WINDOW DETAIL</p>
				<p>BLOCK TYPE</p>
			<p>HOLLOW 75% SOLID SOLID PIER</p>	

<p>BOTTOM COURSE CORES FILLED WITH INSULATION FLASHING WEEP HOLES @ 800mm O.C.</p> <p>ARCHITECTURAL CONCRETE BLOCK VENEER SECURED TO INSULATION AND SLAB</p>		<p>20cm ARCHITECTURAL BLOCK PARGING (AIR BARRIER) MOISTURE BARRIER INSULATION GYPSUM WALL BOARD</p>	
		<p>CONCRETE CORE SLAB C/W INSULATION @ ENDS ISOLATION JOINT TOP COURSE CORES FILLED WITH INSULATION</p>	<p>PROJECT</p>
			<p>LOADBEARING SINGLE WYTHE WALL</p>
			<p>BLOCK TYPE</p>
			<p>HOLLOW 75% SOLID</p>





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MAXIMUM SPACING of CONTROL JOINTS	
PANEL LENGTH/HEIGHT RATIO	PANEL LENGTH m
2	12.0
2.5	13.5
3	15.0
4	18.8

**NOTE:**  
Each building must be analyzed for potential movement. Above Table should only be used as a guide.

<b>PROJECT</b>
MOVEMENT CONTROL JOINT
<b>BLOCK TYPE</b>
HOLLOW 75% SOLID

