

DESIGNER NOTES:

CODE REQUIREMENTS

1. DESIGN OF ORDINARY REINFORCED MASONRY SHEAR WALLS SHALL COMPLY WITH THE REQUIREMENTS OF 2016 TMS 402 SECTION 8.3 (ALLOWABLE STRESS DESIGN OF REINFORCED MASONRY) OR SECTION 9.3 (STRENGTH DESIGN OF REINFORCED MASONRY), AND SHALL MEET THE PRESCRIPTIVE DETAILING REQUIREMENTS OF SECTION 7.3.2.4 [2013 AND 2016 TMS 402] OR SECTION 7.3.2.3 [2022 TMS 402] WHICH ARE SHOWN GRAPHICALLY IN THIS ELEVATION.
2. VERTICAL AND HORIZONTAL REINFORCEMENT ADJACENT TO OPENINGS NEED NOT BE PROVIDED FOR OPENINGS SMALLER THAN 16", UNLESS THE DISTRIBUTED REINFORCEMENT IS INTERRUPTED BY SUCH OPENINGS.
3. ORDINARY REINFORCED MASONRY SHEAR WALLS ARE A PERMITTED SEISMIC FORCE-RESISTING SYSTEM FOR SEISMIC DESIGN CATEGORIES A AND B WITH NO LIMIT ON STRUCTURAL HEIGHT, AND IN SEISMIC DESIGN CATEGORY C WITH A MAXIMUM HEIGHT OF 160'-0". SEE ASCE 7 TABLE 12.2-1 FOR MORE INFORMATION.

DESIGN REQUIREMENTS

1. EXCEPT FOR HIGHLY PERFORATED MASONRY WALLS, IT IS OFTEN MORE ECONOMICAL TO USE HORIZONTAL JOINT REINFORCEMENT TO SATISFY THE MINIMUM PRESCRIPTIVE REQUIREMENTS BOTH IN THE FIELD OF THE WALL AND BELOW OPENINGS.

0.2 IN<sup>2</sup> (MIN) VERT REINF  
TYP @ WALL ENDS AND CORNERS

HORIZ REINF ABOVE  
AND BELOW OPENINGS

CONTINUOUS HORIZ REINF @ TOP  
OF WALLS, AND ROOF AND  
FLOOR LEVELS

0.2 IN<sup>2</sup> (MIN) HORIZ REINF @ 120" OC (MAX), OR  
(2) WIRES OF W1.7 HORIZ JOINT REINF @ 16"  
OC (MAX)

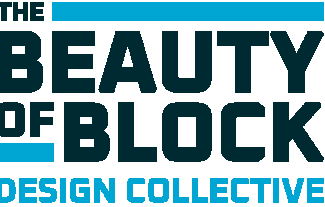
MOVEMENT JOINT

0.2 IN<sup>2</sup> (MIN) VERT REINF  
TYP EA SIDE OF MOVEMENT JOINT

2'-0" OR  
40db (MIN)

0.2 IN<sup>2</sup> (MIN) VERT REINF  
TYP WITHIN 16" EA SIDE OF  
OPENINGS

0.2 IN<sup>2</sup> (MIN) VERT REINF @ 120" OC (MAX)



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