

Project Number:	Questions Answered By:	Date:
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Please provide the following information needed for the proper design of the masonry/concrete/stud wall support structure. If multiple masonry/concrete/stud walls are present, more than one sheet may be needed. Please provide a plan showing the extent, relative location and type of each wall. **Suggested source for information: The engineer responsible for the wall design.**

Wall Location and Description:

I. Wall Data:

<input type="checkbox"/> Masonry <input type="checkbox"/> Masonry/Face Brick Unit Size(s): _____ (6", 8", 10", 12", etc.) Unit weight(s): _____ psf <input type="checkbox"/> ARMOR presumed unit weight (See note 2)	<input type="checkbox"/> Cast in Place Concrete <input type="checkbox"/> Tilt-Up Wall thickness: _____ Weight: _____ psf <input type="checkbox"/> ARMOR presume normal weight concrete (145 pcf)	<input type="checkbox"/> Brick <input type="checkbox"/> E.I.F.S. - on Studs Total wall thickness: _____ Wt: _____ psf (Incl. ALL materials) Provide wall section showing materials, thicknesses, and relationship to building line.
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- II. Partial Height Walls:**
- Wall is cantilevered (self-supporting).** Support Not By ARMOR. Wall is **not** attached to ARMOR framing. Pick also 1st or 2nd partial height wall section on page 2 of 2 (See also note 3).
 - Wall has structural bond beam(s) attached to Armor's frames.** Bond beams provide lateral support. No supporting channel or spandrel. Pick also 1st or 2nd partial height wall section on page 2 of 2.
 - Wall is supported by structural channel or cee.** Pick 3rd partial height wall section on page 2 of 2.

Full Height Walls:

- Choose Full Height Wall Section

Other:

- Please provide description of wall and support.

III. Wall Anchorage at Columns:

- Wall anchored to columns?
 NO YES (Ties Not by ARMOR)

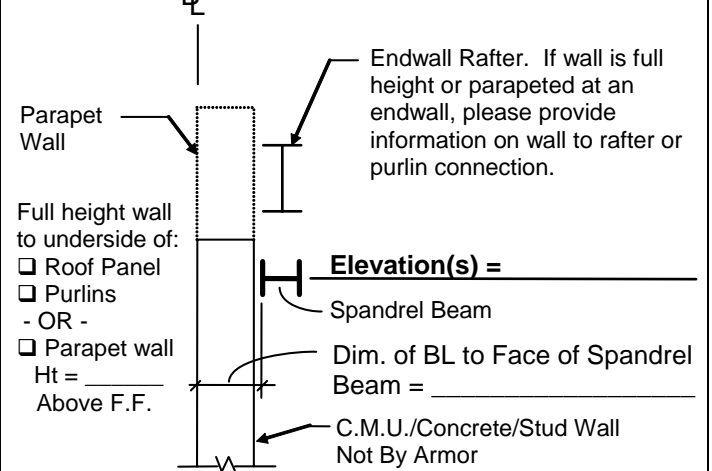
IV. Maximum Allowed Lateral Frame Deflection:

- Eave Ht / 60 Eave Ht / 100 Eave Ht / 200
- Allow a 1/8" crack at base of the wall
- Other: Eave Height / _____ -or- _____ inches
- Partial Ht. Cantilevered Wall Only: _____ inches at top of wall (See note 3)

V. Wall May Be Used as a Shearwall:

- YES NO (See note 4)

VI. FULL HEIGHT OR PARAPET WALL



Section - Full Height or Parapet Wall

NOTE: Connection of CMU/concrete/stud wall to ARMOR material is NOT by ARMOR.

NOTES:

1. ARMOR does not design nor provide anchor bolts or embedded items. Any details required for attachment of the masonry and/or concrete wall to ARMOR materials must come from the engineer responsible for the design of the wall.
2. If the unit weight is not available, you may request ARMOR presumed values. When this option is chosen, it is your responsibility to verify that the ARMOR presumed values are acceptable to the specifying Engineer and/or Building Official. The following are ARMOR's standard assumptions:
 - **Partially Reinforced Wall Unit Weight (grouted at 24" o.c. normal weight concrete units):**
 6" = 50 psf, 8" = 55 psf, 12" = 85 psf
 - **Reinforced Wall Unit Weight (fully grouted normal weight concrete units):**
 6" = 63 psf, 8" = 84 psf, 12" = 133 psf
3. Cantilevered walls and non-shear walls must be separated/isolated from the building to allow for relative lateral movement. Contact ARMOR engineering for required separations. *A letter from the design professional responsible for the wall design is also required as verification that the wall is designed as cantilevered and is completely isolated from the ARMOR structure.*
4. For shearwalls, direction on how the lateral loads are to be delivered from the ARMOR steel to the shear wall will be needed from the wall designer.
5. All horizontal/lateral deflections are based on a 10-year wind or seismic.
6. E.I.F.S = Exterior Insulating Finish System. Studs are NOT by ARMOR.
7. Lintel beams and their connections to the ARMOR structure are Not by ARMOR.

Section - Partial Height Wall * Reference F.F.

PARTIAL HEIGHT WALL - SUPPORT NOT BY ARMOR
 Base Angle (BA) or Base Girt (BG) attached to masonry/concrete wall and not attached to ARMOR structure.
 Base Angle Base Girt
NOTE: Top of wall support **IS NOT** by ARMOR. Top of wall supports bottom of ARMOR wall sheet. Wall must be masonry or concrete - stud walls are not allowed.
Cantilevered wall or structural bond beam required.
 Wall Height = _____ above finished floor.

Section - Partial Height Wall * Reference F.F.

PARTIAL HEIGHT WALL - SUPPORT NOT BY ARMOR
 Zee girt 3-1/2" above masonry/concrete wall.
NOTE: Top of wall support **IS NOT** by ARMOR. Top of wall supports bottom of ARMOR wall sheet. Wall must be masonry or concrete - stud walls are not allowed.
Cantilevered wall or structural bond beam required.
 Wall Height = _____ above finished floor.

Section - Partial Height Wall * Reference F.F.

PARTIAL HEIGHT WALL - WALL SUPPORTED
 Structural channel or plate glass header (Cee member) attached to wall and to ARMOR structure.
NOTE: Top of wall supported by structural channel or Cee. Wall may be masonry, concrete or studs.
 Wall Height = _____ above finished floor.
Supporting Cee/Channel:
 By Others (Provide connection detail to frames.)
 By ARMOR
 Horiz. deflection limit = Length / 240
 Other horiz. deflection limit = Length / _____

VII. Wall Panel Trim and Lap Conditions at Top of Partial Height Wall:

- Sq. Cut w/Base Trim
- Sq. Cut w/o Base Trim
- Concrete Notch (1-1/2")
- Other Conditions (Please specify)
- Standard Sheet Lap Special Sheet Lap: _____