

**MAS™ 570**

|   | <u>Units of Measurement</u> | <u>Quantity</u>  |
|---|-----------------------------|------------------|
| <b>Footings &amp; Foundation Pad</b>                                  |                             |                  |
| Concrete (footings) – 4,000 PSI w/ 3/4 inch minus aggregate           | cubic yards                 | 8.5              |
| Concrete (pad) – 4,000 PSI w/ 3/4 inch minus aggregate                | cubic yards                 | 8.5              |
| Rebar (footings) – #3 (3/8 inch)                                      | linear feet                 | 202              |
| Rebar (footings) – #4 (1/2 inch)                                      | linear feet                 | 425              |
| Rebar (pad) – #3 (3/8 inch)   | linear feet                 | 922              |
| <b>Structure</b>  |                             |                  |
| Concrete (shotcrete) – 3/8 inch to 5/16 inch (11/32 inch ± 1/16 inch) | cubic yards                 | 18.0             |
| Concrete Admix water proofing, may NOT be required (consult engineer) | gallons                     | consult engineer |
| Rebar – #3 (3/8 inch)   | linear feet                 | 2,067            |
| Rebar – #4 (1/2 inch)   | linear feet                 | 2,204            |
| Rebar Wire Ties   | pieces                      | 450              |
| Rebar Chairs – 1-1/2 inch plastic                                     | pieces                      | 175              |

**SUMMARY TOTAL: MAS-570™**

| <b>MAS-570™ MATERIAL SUMMARY LIST</b>                                 |             |                  |
|---|-------------|------------------|
| <b>(Send this to supplier for quote)</b>                              |             |                  |
| Concrete – 4,000 PSI w/ 3/4 inch minus aggregate                      | cubic yards | 17.0             |
| Concrete (shotcrete) – 3/8 inch to 5/16 inch (11/32 inch ± 1/16 inch) | cubic yards | 18.0             |
| Concrete Admix water proofing (consult engineer)                      | gallons     | consult engineer |
| Rebar – #3 (3/8 inch)   | linear feet | 3,191            |
| Rebar – #4 (1/2 inch)   | linear feet | 2,629            |
| Rebar Wire Ties   | pieces      | 450              |
| Rebar Chairs – 1-1/2 inch plastic                                     | pieces      | 175              |

**MAS™ 1300**

|   | <u>Units of Measurement</u> | <u>Quantity</u> |
|---|-----------------------------|-----------------|
| <b>Footings Foundation Pad</b>                              |                             |                 |
| Concrete (footings) – 4,000 PSI w/ 3/4 inch minus aggregate | cubic yards                 | 17.0            |
| Concrete (pad) – 4,000 PSI w/ 3/4 inch minus aggregate      | cubic yards                 | 17.0            |

|                                 |             |       |
|---------------------------------|-------------|-------|
| Rebar (footing) – #3 (3/8 inch) | linear feet | 417   |
| Rebar (footing) – #4 (1/2 inch) | linear feet | 879   |
| Rebar (pad) – #3 (3/8 inch)     | linear feet | 1,904 |

#### Structure and walls

|   |             |                  |
|---|-------------|------------------|
| Concrete (shotcrete) – 3/8 inch to 5/16 inch (11/32 inch $\pm$ 1/16 inch) | cubic yards | 50.0             |
| Concrete Admix water proofing, may NOT be required (consult engineer)     | gallons     | consult engineer |
| Rebar – #3 (3/8 inch)   | linear feet | 4,145.0          |
| Rebar – #4 (1/2 inch)   | linear feet | 4,008.0          |
| Rebar Wire Ties   | pieces      | 1,000.0          |
| Rebar Chairs – 1-1/2 inch plastic   | pieces      | 325.0            |

## SUMMARY TOTAL: MAS-1300™

### MAS-1300™ MATERIAL SUMMARY LIST

(Send this to supplier for quote)

|   |             |                  |
|---|-------------|------------------|
| Concrete – 4,000 PSI w/ 3/4 inch minus aggregate                          | cubic yards | 34.0             |
| Concrete (shotcrete) – 3/8 inch to 5/16 inch (11/32 inch $\pm$ 1/16 inch) | cubic yards | 50.0             |
| Concrete Admix water proofing (consult engineer)                          | gallons     | consult engineer |
| Rebar – #3 (3/8 inch)   | linear feet | 6,466            |
| Rebar – #4 (1/2 inch)   | linear feet | 4,887            |
| Rebar Wire Ties   | pieces      | 1,000            |
| Rebar Chairs – 1-1/2 inch plastic   | pieces      | 325              |

Modern Arch Structures Version: 1.4

10-May-12

### Modern Arch Structures Material Notes

#### Concrete Notes

*Actual weights on sand and aggregate may change based upon your concrete provider. The following are approximate weights only.*

|  |         |                  |
|--|---------|------------------|
| Cement Powder (per cubic yard), 4,000 PSI often times referred to as a 6 bag mix | lbs     | 540.0            |
| Washed Concrete Sand (per cubic yard)  | lbs     | 1,345.0          |
| Aggregate (per cubic yard)   | lbs     | 2,010.0          |
| Admix water proofing (May NOT be required)                                       | gallons | consult engineer |

**Note: Foundation quantities of concrete and rebar may change based upon your local soils engineering. Please consult your structural engineer. The Structural material list SHOULD NOT CHANGE.**