

GENERAL NOTES

MASONRY MATERIALS :

}	7 5/8"x7 5/8"x15 5/8" (HOLLOW)
	3 5/8"x7 5/8"x15 5/8" (SOLID)
	2 5/8"x7 5/8"x15 5/8" (SOLID)

ABOVE GRADE ASTM C90,TYPE I OR II, MEDIUM OR NORMAL WEIGHT.

BELOW GRADE ASTM C90,TYPE I OR II, MEDIUM OR NORMAL WEIGHT.

MORTAR MATERIALS :

MORTAR: ASTM C270

PROPORTION SPECIFICATION.

MASONRY CEMENT MORTAR OR MORTAR CEMENT MORTAR

ABOVE GRADE - TYPE S OR N

BELOW GRADE - TYPE M OR S

GROUT MATERIALS :

GROUT: ASTM C476, SPECIFY ONE OF THE FOLLOWING:

PROPORTION:

COARSE GROUT

COMPRESSIVE STRENGTH REQUIREMENTS:

MINIMUM COMPRESSIVE STRENGTH 2000 psi

SAMPLED AND TESTED ASTM C1019

REINFORCEMENT :

REINFORCEMENT STEEL: ASTM A 615

GRADE 60

JOINT REINFORCEMENT: ASTM A 82

LADDER CONFIGURATION

SIDE RODS AND CROSS RODS

9 GAUGE (.1483 in.)

CROSS WIRES SPACED AT 16" ON CENTER

CORROSION PROTECTION

INTERIOR: MILL GALVANIZED, ASTM A641

EXTERIOR OR HIGH HUMIDITY CONDITIONS:

HOT DIPPED GALVANIZED AFTER FABRICATION.

ZINC COATED ASTM A153 (1.50 oz. per s.f.)

GUIDELINES

MASONRY MATERIALS :

THE MOST WIDELY USED CMU'S IN MICHIGAN ARE THE NORMAL AND MEDIUM WEIGHT UNITS. THE ONLY DIFFERENCE BETWEEN TYPE I AND II IS THE AMOUNT OF MOISTURE IN THE UNITS AT THE TIME OF DELIVERY. A TYPE I UNIT WILL REQUIRE PROTECTION FROM INCLEMENT WEATHER TO MAINTAIN A CERTAIN MOISTURE CONTENT REQUIREMENT. THE USE OF TYPE I UNITS WILL ALLOW FOR FEWER CONTROL JOINTS SPACED FURTHER APART. THE USE OF TYPE II UNITS WILL REQUIRE MORE CONTROL JOINTS SPACED CLOSER TOGETHER. DUE TO THE VAST STORAGE AREAS REQUIRED TO STOCKPILE REGULAR UNITS, SPECIAL UNITS AND FITTINGS, IT IS DIFFICULT TO PROTECT ALL UNITS FROM INCLEMENT WEATHER. DECORATIVE BLOCK IS NOT A STOCK ITEM, ALLOW FOR PROPER MANUFACTURING TIME.

MORTAR MATERIALS :

MOST MORTARS ARE BATCHED IN ACCORDANCE WITH THE PROPORTION SPECIFICATION WHICH ALSO HAPPENS TO BE THE DEFAULT WHEN NEITHER PROPORTION OR PROPERTY ARE SPECIFIED. MORTAR IN MICHIGAN WILL ABSORB MOISTURE AND EXPERIENCE MULTIPLE FREEZE THAW CYCLES. THEREFORE, AN INCREASE IN MORTAR AIR CONTENT WILL GENERALLY INCREASE THE DURABILITY OF MASONRY MORTAR. AT HIGH AIR LEVELS AN INVERSE RELATIONSHIP EXISTS BETWEEN AIR CONTENT AND TENSILE BOND STRENGTH.

GROUT MATERIALS :

IF THE GROUT SPACE IS BELOW THE MINIMUM REQUIREMENTS FOR COARSE GROUT, FINE GROUT SHALL BE REQUIRED. REFER TO SPECIFICATIONS FOR MASONRY STRUCTURES ACI 530, TABLE "GROUT SPACE REQUIREMENTS"

REINFORCEMENT :

VERTICAL REINFORCEMENT SHALL BE PLACED AND LAPPED IN ACCORDANCE WITH ENGINEERING REQUIREMENTS. THE USE OF LADDER TYPE JOINT REINFORCEMENT WILL PROVIDE AN INCREASE IN THE RESISTANCE TO SHRINKAGE CRACKING. CROSS WIRES SPACED AT 16 INCHES ON CENTER AND PLACED DIRECTLY OVER THE WEBS SHOULD IMPROVE THE BONDING OF THE WIRE IN THE SYSTEM, ADDITIONALLY THE CROSS WIRES WILL NOT INTERFERE WITH THE PLACEMENT OF THE LOOSE FILL INSULATION, VERTICAL REINFORCEMENT OR GROUT.

THIS GENERIC WALL DESIGN MAY NOT BE SUITABLE FOR FIXED CONNECTIONS, FLASHING MAY HAVE TO BE OMITTED AT VERTICAL STEEL REINFORCING LOCATIONS. LAP AND DEVELOPMENT LENGTHS MAY HAVE TO BE REVIEWED AND REVISED.



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GENERIC WALL DESIGN

IN CHARGE:	
DRAWN:	CAM
APPROVED:	
DATE:	6/2/98
TITLE:	GENERAL NOTES AND GUIDELINES
SHEET:	A-1

DATE: GAL_PLOT_DATE FILENAME: GAL_DWG_NAME