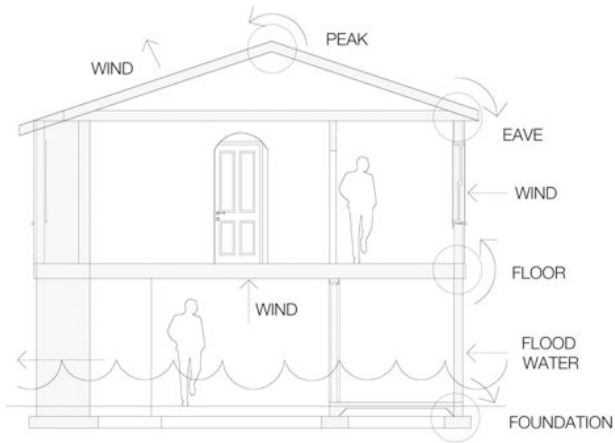


ARCHITECTURAL DETAILS TO DEVELOP AFFORDABLE
DISASTER RESISTANT STRUCTURES USING
FERROCEMENT
TECHNOLOGY

Angus W. Macdonald, M.Arch. Yale U. School of Arch., USA, Architect
ICC, LGSEA, USGBC







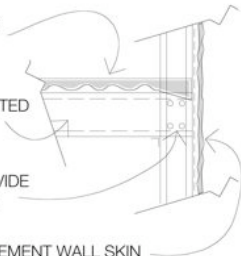


CONCRETE FLOOR SLAB EMBEDS STUDS
AS TORSION RESISTANT DIAPHRAGM

FLOOR SLAB CAST ON GALVANIZED CORRUGATED
DECKING FASTENED TO FLOOR JOISTS

WEB TO WEB FASTENERS PROVIDE
ROTATIONAL RESISTANCE

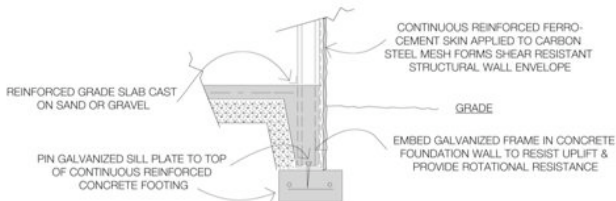
CONTINUOUS FERRO-CEMENT WALL SKIN
APPLIED TO GALVANIZED CARBON STEEL LATH





























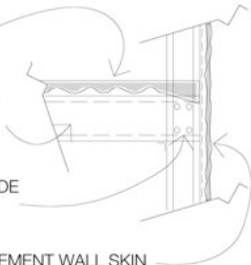


CONC. FLOOR SLAB EMBEDS STUDS
AS TORSION RESISTANT DIAPHRAGM

FLOOR SLAB CAST ON GALV. CORRUGATED
DECKING FASTENED TO FLOOR JOISTS

WEB TO WEB FASTENERS PROVIDE
ROTATIONAL RESISTANCE

CONTINUOUS FERRO-CEMENT WALL SKIN
APPLIED TO GALVANIZED CARBON STEEL LATH



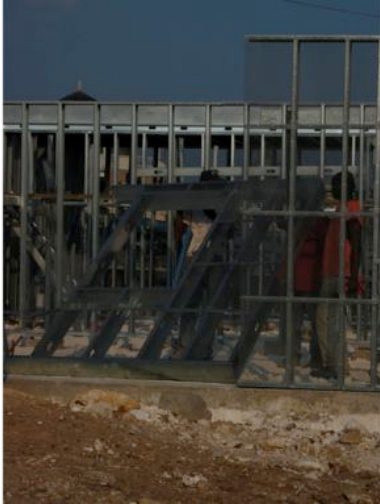
















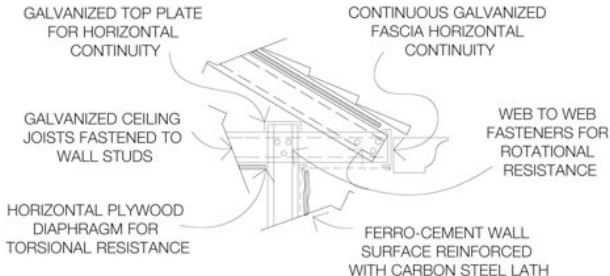








































REINFORCED FERRO-CEMENT SKIN
BOTH SIDES 2 STORY SHEAR PANELS

EMBED PANELS INTO FOOTING TO RESIST
UPLIFT & PROVIDE ROTATIONAL RESISTANCE

GRADE OR SLAB ON GRADE

CONTINUOUS REINFORCED
CONCRETE GRADE BEAM

GALVANIZED STUDS & SILL PLATE ACT AS
FOOTING REINFORCEMENT

