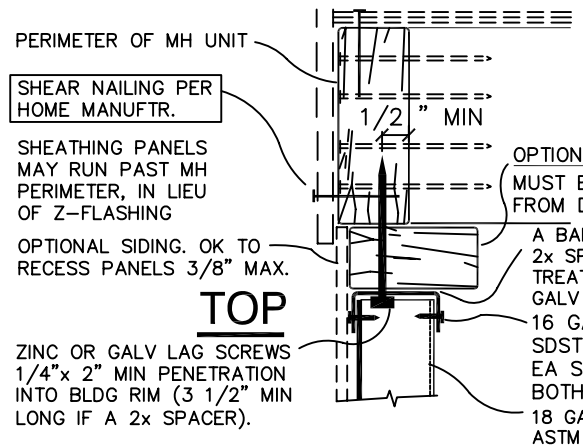
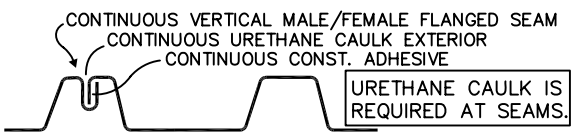
MH_CA_SPA part 1 Match line

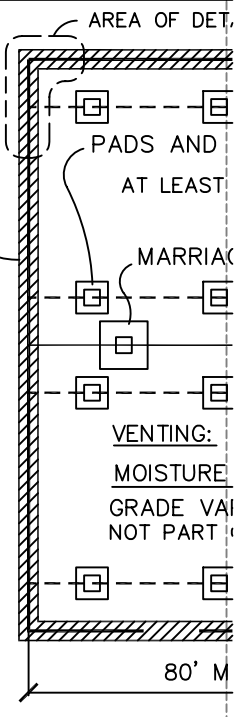




PLAN/SECTION DETAIL @ SEAM

SEAMS AT 3' O/C ABOUT THE PERIMETER TYPICAL

CONTINUOUS PANELS AROUND ENTIRE HOME WITH VENT-PANELS AND ACCESS OPENINGS INSTALLED AT A MAXIMUM OF 1 IN 4 PANELS ON AVERAGE FOR LONGINTUDINAL WALLS. TRANSVERSE WALLS OF MULTI-UNIT HOMES CAN HAVE ONE OPENING PER UNIT IN ALL WIND ZONES, AND 3 OPENINGS PER TWO UNITS IN WIND ZONE II. SEE LAG FASTENING REQUIREMENTS FOR TRANSEVERSE WALLS.



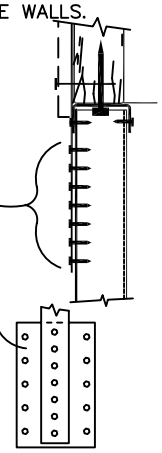
LAG SCREW FASTENING REQUIREMENTS

2 LAG SCREWS PER FOOT OF PANEL (EXCEPT AT VENTS), TYPICAL.

CONDITIONS REQUIRING 3 LAGS PER FOOT OF ATTACHED PANEL ARE AS FOLLOWS:

WIND ZONE I:
TRANSVERSE WALLS OF SINGLE-WIDE UNITS < 14' WIDE WITH A 3' MAX OPENING.
WIND ZONES II AND III:
TRANSVERSE WALLS OF ALL UNITS.

FOR HOMES THAT REQUIRE STRAP TIE-DOWNS AT EXT. SHEAR WALLS, THE STRAPS CAN FASTEN DIRECTLY TO THE ANCHORPANEL WITH 7- #10 SDST SHEET-METAL SCREWS - IN A SINGLE LINE SPACED 5/8" APART MIN. WHERE THE STRAP DOES NOT ALIGN WITH A PANEL RIB, A 16 GA PLATE WITH MIN 5-#10 SCREWS EACH SIDE CAN BE USED. ALTERNATIVELY, THE STRAP CAN ANCHOR INTO THE CONCRETE FOOTING. CONTACT FAST TRACK FOR MORE INFO.



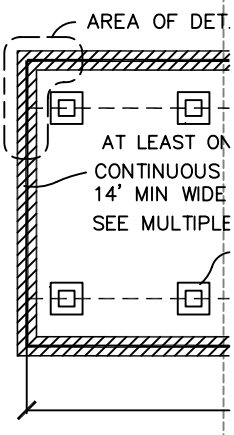
WOOD RIM W/O SPACER SHOWN HERE.

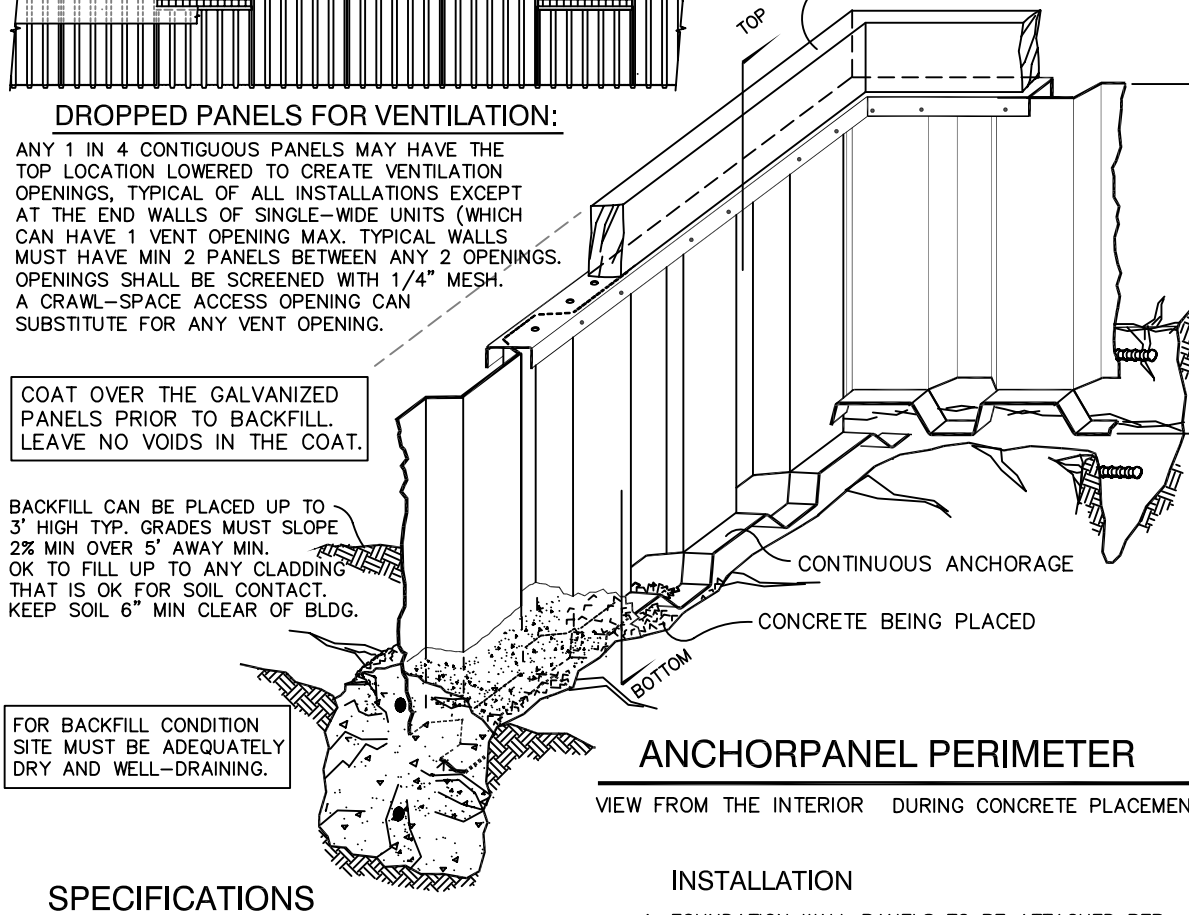
DO NOT PLACE VENTS AT LOCATIONS OF REQUIRED SUPPORT.

OPTIONAL CLADDING OVER PANELS

DROPPED PANELS FOR VENTILATION:

ANY 1 IN 4 CONTIGUOUS PANELS MAY HAVE THE TOP LOCATION LOWERED TO CREATE VENTILATION OPENINGS, TYPICAL OF ALL INSTALLATIONS EXCEPT AT THE END WALLS OF SINGLE-WIDE UNITS (WHICH CAN HAVE 1 VENT OPENING MAX. TYPICAL WALLS MUST HAVE MIN 2 PANELS BETWEEN ANY 2 OPENINGS. OPENINGS SHALL BE SCREENED WITH 1/4" MESH. A CRAWL-SPACE ACCESS OPENING CAN SUBSTITUTE FOR ANY VENT OPENING.





COAT OVER THE GALVANIZED PANELS PRIOR TO BACKFILL. LEAVE NO VOIDS IN THE COAT.

BACKFILL CAN BE PLACED UP TO 3' HIGH TYP. GRADES MUST SLOPE 2% MIN OVER 5' AWAY MIN. OK TO FILL UP TO ANY CLADDING THAT IS OK FOR SOIL CONTACT. KEEP SOIL 6" MIN CLEAR OF BLDG.

FOR BACKFILL CONDITION SITE MUST BE ADEQUATELY DRY AND WELL-DRAINING.

CONTINUOUS #4 MIN REBAR AT PANELS, 24" MIN LAPS.

FOOTING: MIN 12" WIDE BY 12" BELOW EXT. FINISH GRAD

ANCHORAGE FLANGE PER PANEL MANUFACTURE - MUST BE FIELD-BENT WITH A TOOL PROVIDED BY FAST TR

CONTINUOUS #4 MIN LOWER REBAR, 24" MIN LAPS.

TRENCH DEPTH ACCORDING TO LOCAL FROST REQ'MTS, IF AN

ANCHORPANEL PERIMETER

VIEW FROM THE INTERIOR DURING CONCRETE PLACEMENT

SPECIFICATIONS

MATERIALS

1. ALL PANEL STEEL MATERIAL TO MEET ASTM A-653 18 GAGE (0.043") MIN, GRADE 40 MIN, G-90 GALV MIN.
2. TOP DETAIL SCREWS TO BE HD GALV OR ZINC PLT.
3. PANEL DEFORMATIONS AT BOTTOM TO MEET DETAILS.
4. IN-SITU CONCRETE 28 DAY STRENGTH TO BE 2500psi.
5. REINFORCING BARS PER ASTM A-615 GRADE 40 MIN.

INSTALLATION

1. FOUNDATION WALL PANELS TO BE ATTACHED PER TOP & SEAM DETAIL BEFORE CONCRETE PLACEMENT.
2. TOP FOOTING REBAR SHALL BE USED TO TRUE PANELS.
3. AS CONCRETE IS PLACED IN FOOTING TRENCH, PANELS SHALL BE CHECKED FOR PLUMB (+/- 2%) BEFORE CONCRETE HAS SET. EXTERIOR CONCRETE SHALL GENERALLY SLOPE AWAY FROM PANELS.
4. PANEL EDGES SHALL NOT BE LEFT EXPOSED TO THE WEATHER OR LEFT IN CONTACT WITH BACKFILL.
5. ENTIRE PANEL EXTERIOR SURFA A THOROUGH COATING OF AN E BASED BARRIER COMPOUND ("T ANY BACKFILLING OPERATION O INTERIOR SURFACES NEED TAR WILL COME IN CONTACT WITH SO A CEMENT-COAT OF 33% MIN P SUBSTITUTE FOR "TAR", PROVIDI IS ASSURED BY PREPARATION A ALTERNATIVELY, PANELS MAY H EPOXY OR POLYMER COATING IN DAMAGED AREAS MUST BE REC

MH_CA_SPA part 2 Match line

TAIL VIEW

PIERS PER MANUFACTURER'S INSTRUCTIONS

ONE ACCESS OPENING REQUIRED, NOT LESS THAN 18" IN ANY DIMENSION,

GE PADS & PIERS PER MANUFACTURER'S INSTRUCTIONS AND SNOW LOAD.

NET VENT AREA AT 1/150 OF FOOTPRINT MINIMUM.

CONTROL:

APOR BARRIER, IF ANY, ACCORDING TO BLDG MANFT'R INSTRUCTIONS.
OF THIS PERIMETER STRUCTURAL SYSTEM INSTALLATION.

24' (NOMINAL) MINIMUM

AXIMUM TYPICAL, 72' MAXIMUM: WIND ZONE II AND ROOF PITCH > 2:12

PANELS FOLD AROUND CORNERS (W/50% SAW KERFING) OR PANEL EDGES ARE CAULKED TOGETHER AT CORNERS.

MULTIPLE-WIDE PLAN N.T.S.

TAIL VIEW

NE ACCESS OPENING REQUIRED, NOT LESS THAN 18" IN ANY DIMENSION,

PANELS REQ'D AT SINGLE-WIDE END WALLS, UNLESS 3 LAGS PER FT INSTALLED
UNITS CAN HAVE 2 LAGS PER FOOT WITH A 3' MAX OPENING.

E-WIDE PLAN FOR VENTING REQUIREMENTS AND OTHER NOTES.

PADS AND PIERS PER MANUFACTURER'S INSTRUCTIONS

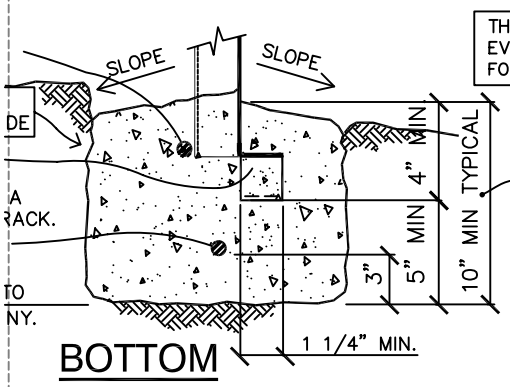
12' MINIMUM

14' (NOM) MIN WIND ZONE II

66' MAX

SINGLE-WIDE PLAN N.T.S.

THIS DESIGN DOES NOT CONSTITUTE A SITE EVALUATION. SUITABILITY OF SITE CONDITIONS FOR THIS OR ANY FOUNDATION IS NOT IMPLIED.



WIND ZONE II
12" MIN, MULTI-WIDE
14" MIN, SINGLE-WIDE

FOR WIND ZONE III FOOTINGS SEE OUR FEMA-85 DESIGN.

BOTTOM

ACES SHALL RECEIVE
EMULSIFIED TAR
TAR"), PRIOR TO
R CONTACT WITH SOIL.
TREATMENT IF THEY
SOIL OR SALT-LADEN AIR.
PORTLAND CEMENT MAY
DING ADHESION TO PANELS
AND POLYMER ADDITION.
HAVE A FACTORY-APPLIED
N LIEU OF FIELD-COATING.
COATED BEFORE BACKFILLING.

6. ANCHORPANEL SHALL NOT BE INSTALLED IN HIGHLY CORROSIVE LOCATIONS, SUCH AS THOSE EXPOSED TO SALT SPRAY, UNLESS ADDITIONAL MEASURES ARE TAKEN FOR CORROSION PROTECTION.
7. IF INTERIOR SUPPORTS SETTLE, THEY SHALL BE ADJUSTED AS REQUIRED.

DESIGN LOADS

ROOF LIVE LOAD:	30 psf
MAX SNOW LOAD:	80 psf
FLOOR LIVE LOAD:	50 psf
M.H. UNIT WEIGHT:	50 psf max, 22 psf min.
WIND LOAD:	ZONES I & II
MAX ROOF PITCH:	4 IN 12, TYPICAL
SINGLE-WIDE:	1 IN 12 WIND ZONE II

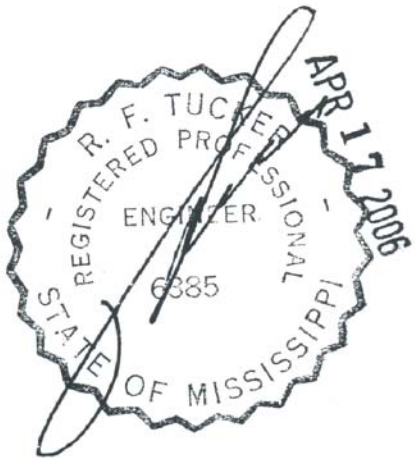
WIND DESIGN IS PER ASCE7-02. ZONE I IS 90 MPH, ZONE II IS 110 MPH, ALL EXP. C FOR WIND ZONE III, 140 MPH, REFER TO OUR FEMA-85 DESIGN, OR CONTACT US.

DESIGN LOADS AND BLDG GEOMETRY CAN MODIFY WITH PROJECT-SPECIFIC ENGINEERING

INSTALLATION / SITE REQUIREMENTS

PROPERLY INSTALLED ANCHORPANEL WILL PROVIDE LOAD-SPREADING GRADE-BEAM PROPERTIES SUPERIOR TO ANY INTERIOR PIER OR TIE-DOWN FOUNDATION SYSTEM.

1. SOIL CONDITIONS SHOULD BE SUITABLE FOR CONVENTIONAL CONSTRUCTION, WITH A MINIMUM BEARING STRENGTH OF 1000psf. CLAYS WHICH ARE TOO EXPANSIVE FOR CONVENTIONAL FOUNDATION CONSTRUCTION SHALL NOT BE BUILT UPON WITHOUT A GEOTECHNICAL APPROVAL BY OTHERS.
2. THIS SYSTEM IS SUITABLE FOR SLOPING SITES, PROVIDING MAXIMUM PANEL HEIGHT IS THAT SHOWN, AND FOOTING TRENCHES AT SLOPES > 10% ARE LEVEL-STEPPED. TALLER PANELS CAN BE UTILIZED ONLY WITH PROJECT-SPECIFIC CALCULATIONS BY A STATE LICENSED ENGINEER.
3. FINISH GRADES SHALL SLOPE 2% OVER 5' MIN TO DRAIN SURFACE WATER AWAY FROM FDN. EXCEPTIONS CAN BE UTILIZED WITH PROJECT-SPECIFIC PROFESSIONAL CIVIL ENGINEERING.
4. INSTALLATION IN FLOOD HAZARD AREAS SHALL BE PER FEMA GUIDELINES.
5. LOW PROFILE SETS SHALL BE MADE IN CONSIDERATION OF SITE MOISTURE, AND ONLY WHERE SUCH CONDITIONS ALLOW A SUITABLY DRY CRAWL-SPACE. FOLLOW STATE DRAINAGE DESIGN WHERE REQUIRED.



ANCHORPANEL ® FOUNDATION SYSTEM

PERMANENT PERIMETER FOUNDATION FOR MANUFACTURED HOMES

SHEET 1 OF 1

FAST TRACK ® Foundation Systems

(800) 789-9694 (707) 961-1891
MICHAEL BUTLER, CIVIL ENGINEER
PO BOX 1520
FORT BRAGG, CA 95437 ANCHORPANEL.COM

FILE: ANGULF1
MODIFIED: 04/11/06