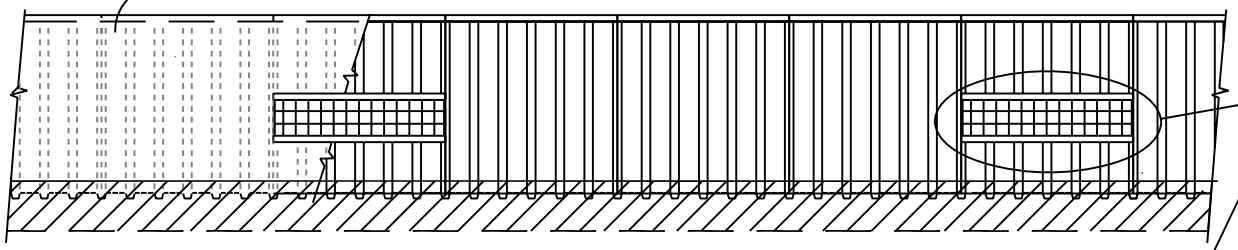
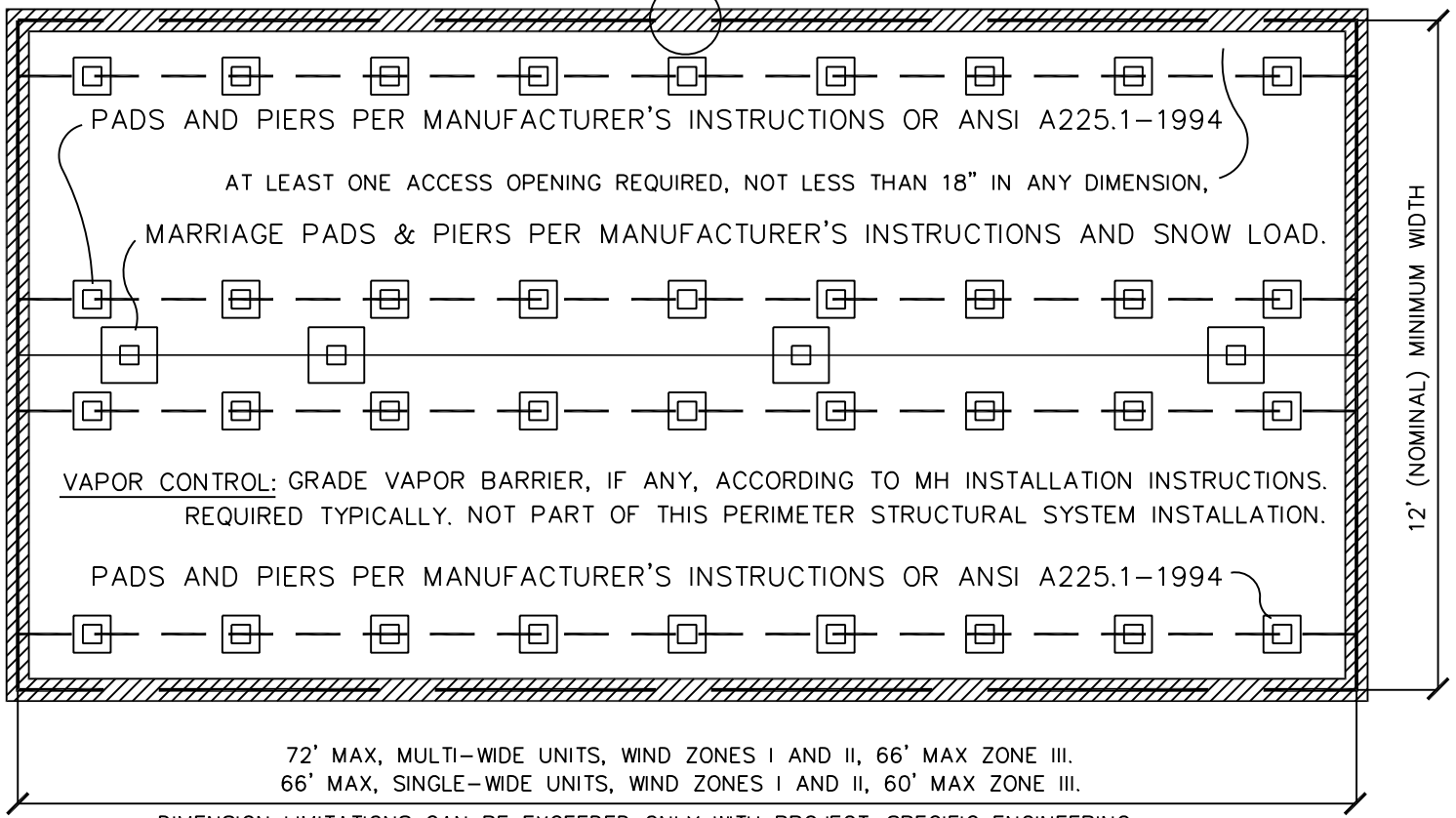


FOUNDATION WALL ELEVATION

FLOOD / VENT OPENINGS REQUIRED AT BOTH LONGITUDINAL WALLS, WITHIN 12" OF GRADE.

- PROVIDE AT LEAST 1 SQ. INCH OF VENT AREA FOR EACH SQ. FT OF CRAWL-SPACE AREA.
- IF NOT ALSO AIR VENTS, MUST AUTOMATICALLY OPEN TO ALLOW UNOBSTRUCED FLOW OF WATER.
- BALANCE OPENINGS BETWEEN LONGIT. WALLS.
- TRANSVERSE WALLS SHALL NOT HAVE OPENINGS EXCEEDING 25% OF THE TOTAL WALL WIDTH.
- TRANSEVERSE WALLS OF SINGLE-WIDE HOMES MAY NOT HAVE VENT OPENINGS UNLESS INSTALLED WITH NEXT-HIGHER FASTENING SCHEDULE.

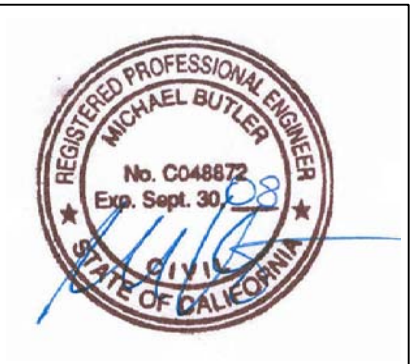


72' MAX, MULTI-WIDE UNITS, WIND ZONES I AND II, 66' MAX ZONE III.
66' MAX, SINGLE-WIDE UNITS, WIND ZONES I AND II, 60' MAX ZONE III.

DIMENSION LIMITATIONS CAN BE EXCEEDED ONLY WITH PROJECT-SPECIFIC ENGINEERING.

MULTIPLE-WIDE UNIT FOUNDATION PLAN

THE PERIMETER-SYSTEM INSTALLATION IS IDENTICAL FOR SINGLE-WIDE HOMES.



THIS DESIGN MEETS THE FEMA-85 MULTI-HAZARD MITIGATION REQUIREMENTS FOR MANUFACTURED HOUSING FOUNDATION CONSTRUCTION.

ALL 4 SHEETS MUST BE INCLUDED FOR THIS DESIGN.

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FLOOD MITIGATING FOUNDATION DESIGN

PERIMETER FOUNDATION PLAN & ELEVATION

LAG SCREW SCHEDULE

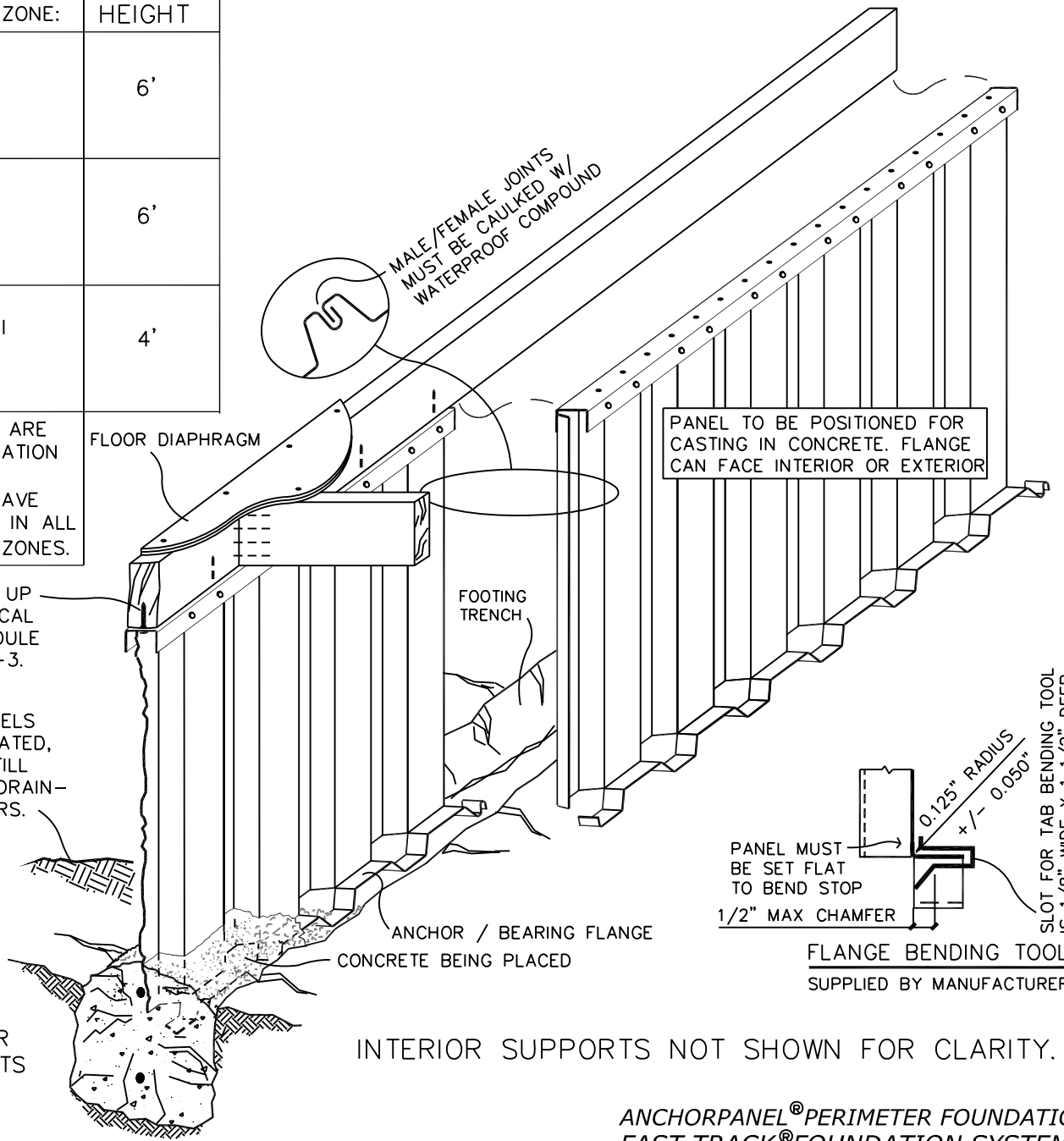
	ALL CASES: TRANSEVERSE WALLS REQUIRE LAGS TO INSTALL PER WIND ZONE:	MAXIMUM PANEL HEIGHT
NORMAL INSTALLATION 2 LAGS PER FOOT	WIND ZONE I 90 MPH	6'
NORMAL INSTALLATION 2 LAGS PER FOOT	WIND ZONE II 110 MPH	6'
+ 50% INSTALLATION 3 LAGS PER FOOT	WIND ZONE III 140 MPH	4'

ONE FOOT OF PANEL

HOLES ARE AT 2" O.C.
LAG SCREWS ARE 1/4" DIA x 2" LONG, MIN.

LONGITUDINAL WALLS ARE ALL NORMAL INSTALLATION (2 LAGS PER FOOT). TRIPLE-WIDE MUST HAVE + 50% INSTALLATION IN ALL WALLS IN 130+ MPH ZONES.

LAG SCREWS AT HOLES IN NARROW RIBS CAN REPLACE ANY LAGS SHOWN HERE, IN ORDER TO AVOID OBSTACLES OR FLAWS IN WOOD FRAMING.



FLANGE BENDING TOOL
SUPPLIED BY MANUFACTURER

FOUNDATION CONSTRUCTION SEQUENCE

1. PREPARE SITE AS REQUIRED
2. SET MH UNITS ONTO INTERIOR SUPPORTS
3. INSTALL (HANG) PERIMETER PANELS
4. PLACE CONCRETE IN PERIMETER TRENCH

FLOOD MITIGATING FOUNDATION DESIGN
FOUNDATION PANEL INSTALLATION

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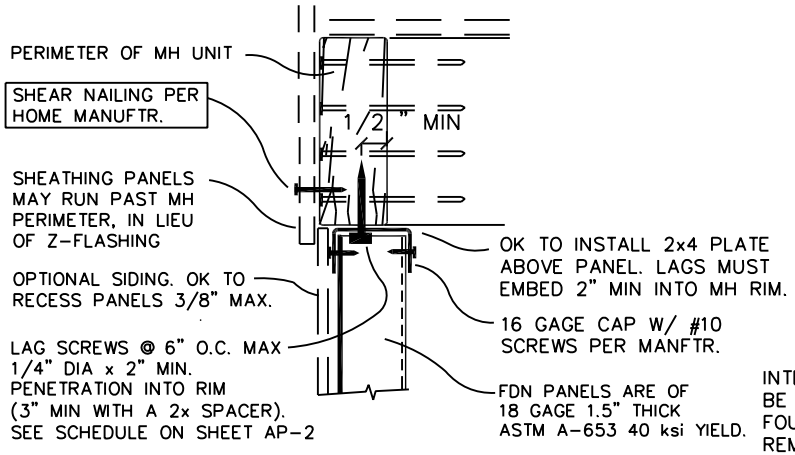
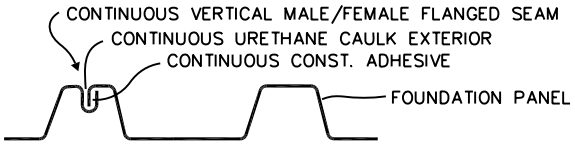
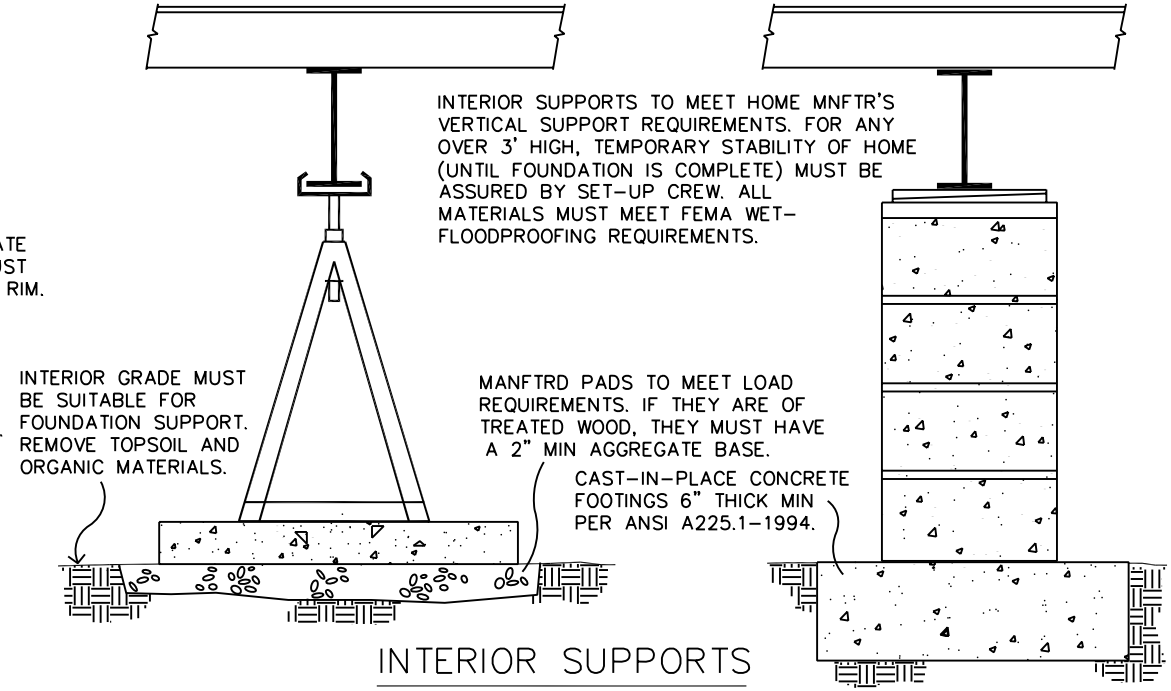


TOP CONNECTION

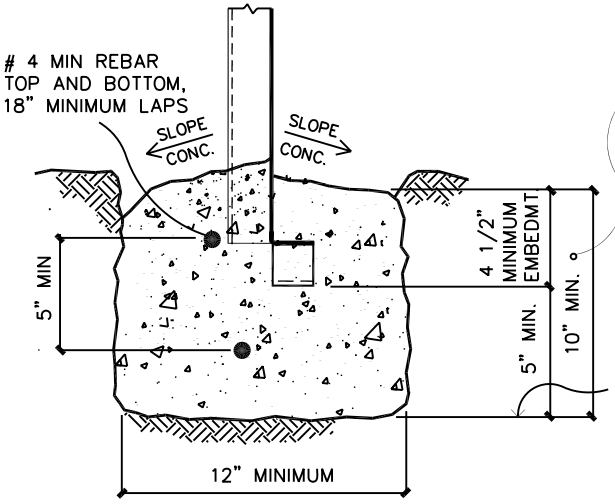


PLAN/SECTION DETAIL @ SEAM

SEAMS AT 3' O/C ABOUT THE PERIMETER TYPICAL



INTERIOR SUPPORTS

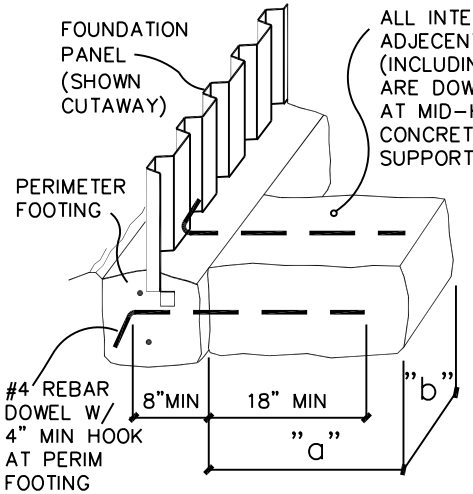


PERIMETER FOOTING

REQUIRED CONCRETE DEPTH PER WIND ZONE		
WIND ZONE	SINGLE-WIDE	MULTI-WIDE
I	10"	10"
II	14"	12"
III	30"	30"
III DOWELED*	24"	24"

* "DOWELED" REQUIRES THAT ALL INTERIOR SUPPORT PADS THAT ARE ADJACENT TO THE PERIMETER ARE AT LEAST 12" THICK OF CONCRETE, AND ARE DOWELED INTO THE PERIMETER FOOTING WITH 2- #4 PER THE "DOWELLED PAD" OPTION.

12" MIN TRENCH DEPTH OR DEEPER PER LOCAL FROST DEPTH OR FLOOD SCOUR REQUIREMENTS. ADDITIONAL DEPTH MAY BE ACHIEVED BY EXTENDING PANELS DEEPER AS REQUIRED, WITH THE CONCRETE FOOTING AT THE BOTTOM. FOR VERY DEEP FOOTING REQUIREMENTS, THE FOUNDATION PERIMETER CAN BE CONSTRUCTED IN 2 STAGES, ONE FOR A SCOUR BARRIER AND THE OTHER TO SUPPORT THE HOME. PLEASE CONTACT FAST TRACK FOR DETAILS.



DOWELED PAD MINIMUM SIZE		
SPACING +	"a"	"b"
6' O.C.	24"	18"
8' O.C.	24"	24"

\+ THIS IS THE SPACING OF THE INT. SUPPORTS ALONG THE CHASSIS.

DOWELED PAD OPTION

TO REDUCE FOOTING SIZE IN WIND ZONE III

FLOOD MITIGATING FOUNDATION DESIGN
FOUNDATION DETAILS

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Foundation System Notes:

This foundation design is only for the Anchorpanel ® perimeter foundation, manufactured by Fast Track ® Foundation Systems (800 789 -9694), and installed by those trained in the installation method.

This foundation is designed to resist loads specified in ASCE 7-02 Minimum Design Loads for Buildings and Other Structures. Any locally adopted requirement exceeding this design shall govern. Wind exposure "C" three second gust design is used. Seismic design is per all zones.

Home interior supports must meet manufacturer's support requirements considering site soil conditions and snow loads. Any manufacturer's requirements not addressed in this design shall be followed. If a conflict is unavoidable, contact the respective manufacturers for resolution.

Design Limitations:

This Design is for Typical Type A Flood Zones.

This design does not cover the following site conditions:

Type V Flood Zones
Coastal A Flood Zones subject to coastal storm surge.
Locations with flood velocities over 5 feet per second
Locations with flood depths over 5.5'
Locations with flood depths over 3.5' in wind zone III
Expansive soils requiring special foundation design
Sites with unstable soil not suitable for conventional construction
Snow loads over 80 psf (assuming the home is built for that)

This design does not cover homes with these conditions:

Homes not constructed for these design wind forces
Homes weighing less than 22 psf
Homes with plate heights over 8'-2" or roofs sloping more than 4:12

Non-compliant homes may still meet this installation standard:

Any home installation not meeting all design limitations shall be reviewed and approval by an appropriate licensed professional, for conformance with this code or locally prevailing codes.

Material Specifications:

All panel steel material to meet ASTM A-653 Grade 40 minimum, with galvanizing per ASTM A-525 G90 minimum, per ICC-ER file number 01-05-15 "Anchorpanel Foundation-Wall Panels".

Footing concrete shall be proportioned to meet a minimum of 2,500 psi 28 day compressive strength.

Reinforcing steel bars shall be grade 40 minimum.

All fasteners shall be zinc-plated minimum. Any fasteners below design flood levels shall be hot-dip galvanized, or of equivalent treatment.

Panels shall be coated or clad before any soil backfill is applied.
Panels that are used as a scour barrier and are G-210 galvanized can be uncoated.

Installation:

Panel top and seam connections are made before any casting the bottoms into the concrete footing, per the details on previous sheets.

Flood vents shall meet FEMA requirements, and may be of any make doing so, or can be screened openings in the foundation wall.

Grade vapor barrier shall be installed according to home manufacturer's requirements.

Tie-down plates at a home perimeter can fasten directly to the Anchorpanel or concrete footing.
Please contact Fast Track for details.

FLOOD MITIGATING FOUNDATION DESIGN
FOUNDATION DESIGN NOTES