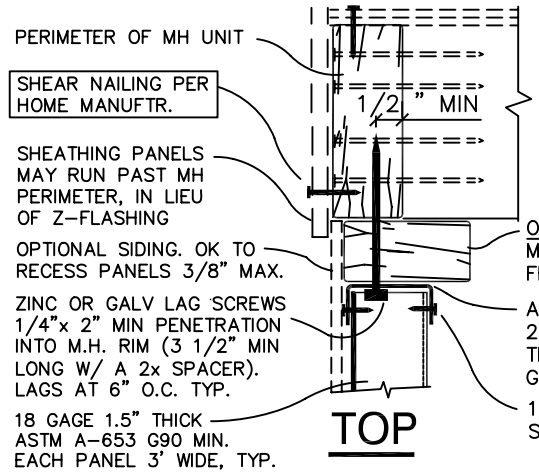
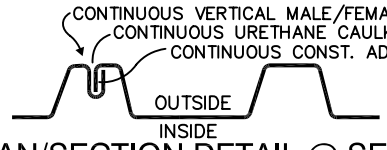
FHA Design part 1 Match line

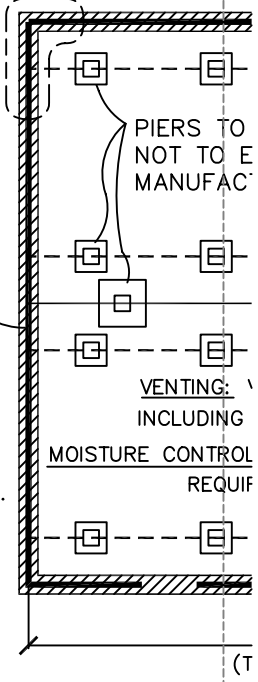


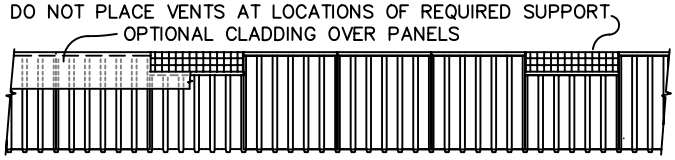


PLAN/SECTION DETAIL @ SEAM

SEAMS AT 3' O/C ABOUT THE PERIMETER TYPICAL

CONTINUOUS PANELS AROUND ENTIRE M.H. WITH CRAWL SPACE ACCESS AT LONG WALLS TYPICAL. ONLY 2 ACCESS OPENINGS ALLOWED IN END WALLS OF DOUBLE-WIDE SETS, AND 1 OPENING ALLOWED IN END WALLS OF SINGLE-WIDE UNITS UNLESS LAGS INSTALL AT 4" O.C.

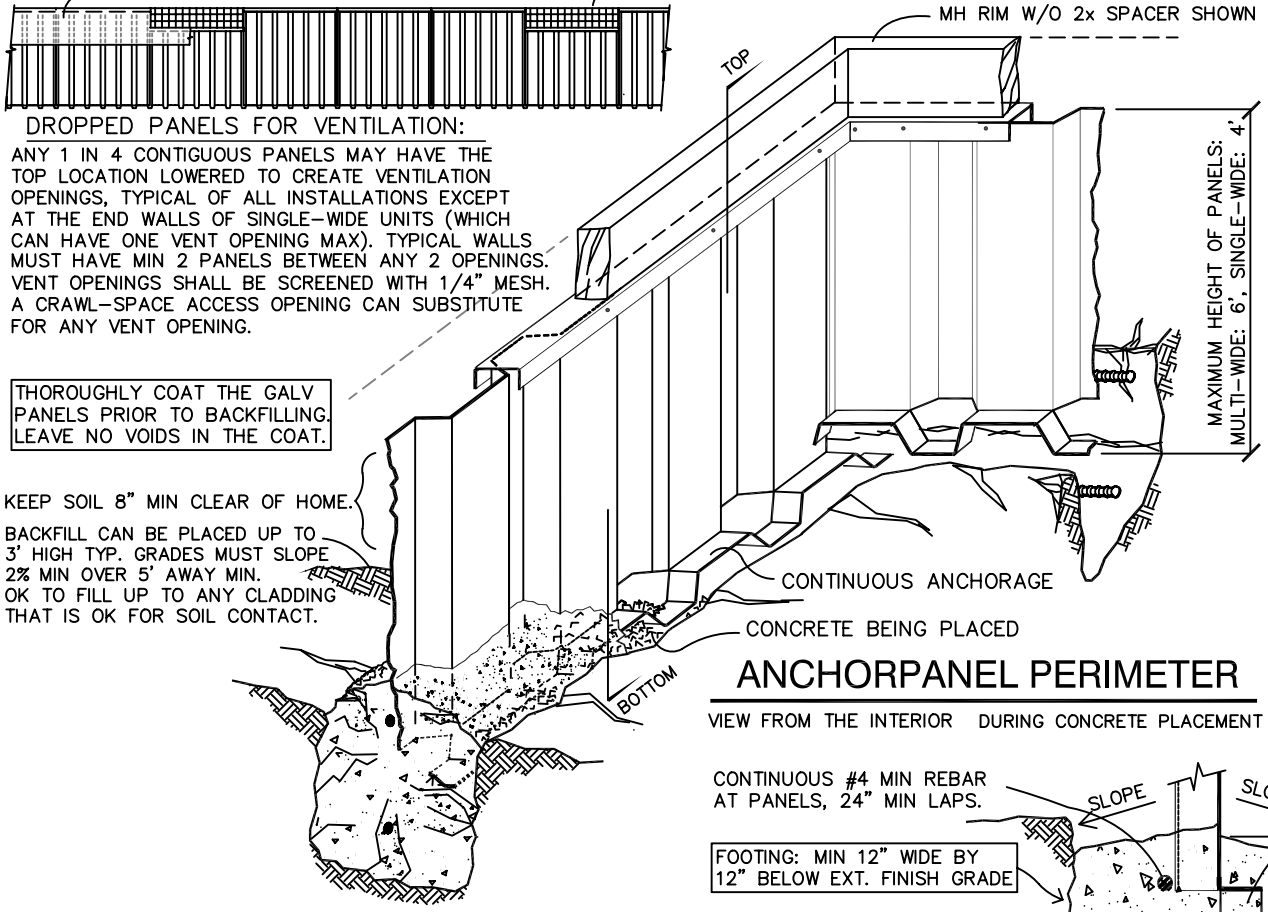




DROPPED PANELS FOR VENTILATION:

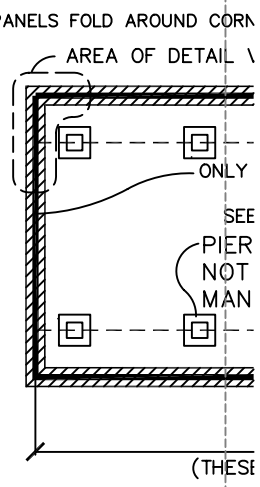
ANY 1 IN 4 CONTIGUOUS PANELS MAY HAVE THE TOP LOCATION LOWERED TO CREATE VENTILATION OPENINGS, TYPICAL OF ALL INSTALLATIONS EXCEPT AT THE END WALLS OF SINGLE-WIDE UNITS (WHICH CAN HAVE ONE VENT OPENING MAX). TYPICAL WALLS MUST HAVE MIN 2 PANELS BETWEEN ANY 2 OPENINGS. VENT OPENINGS SHALL BE SCREENED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

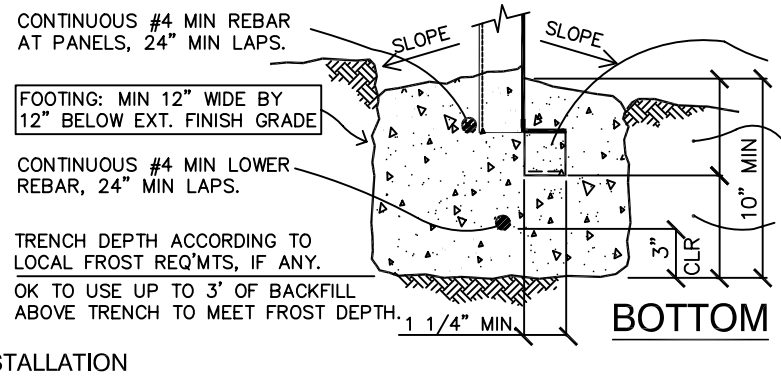
THOROUGHLY COAT THE GALV PANELS PRIOR TO BACKFILLING. LEAVE NO VOIDS IN THE COAT.



ANCHORPANEL PERIMETER

VIEW FROM THE INTERIOR DURING CONCRETE PLACEMENT





BOTTOM

SPECIFICATIONS

MATERIALS

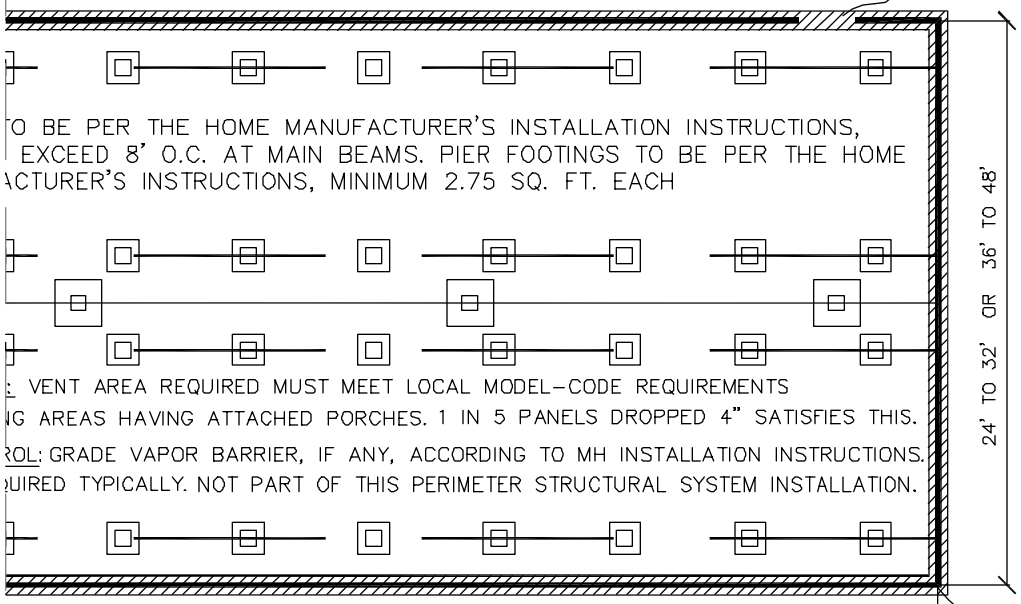
1. ALL PANEL STEEL MATERIAL TO MEET ASTM A-653 GALVANIZED SHEET STEEL, GRADE 40 MINIMUM, EITHER G-140 GALV WITH FIELD COATING (PER BELOW), OR G-90 GALV WITH FACTORY-APPLIED EPOXY PAINT WHICH IS: TNEMEC SERIES 66 POLYAMIDE EPOXY, 4 MILS MINIMUM, PER TNEMEC SPECIFICATIONS OF TECHNICAL DATA SHEET (YDAT065) 66.
2. PANELS SHALL BE 0.043" MIN THICKNESS, OF AN ICC-ER LISTED MANUFACTURER, WITH A LISTED SHEAR VALUE OF AT LEAST 725 plf AT A 5' SPAN.
3. TOP CHANNELS TO MEET ASTM A-653 GRADE 33 MIN, 0.0540" MIN THICKNESS, A-525 G-90 GALVANIZE MIN.
4. TOP DETAIL LAG SCREWS TO BE HD GALV OR ZINC PLT.
5. PANEL DEFORMATIONS AT BOTTOM TO MEET DETAILS.
6. IN-SITU CONCRETE 28 DAY STRENGTH TO BE 2500psi.
7. 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. CONCRETE SHALL BE PLACED BY PUMP, AND 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. INSTALL VAPOR BARRIER ACCORDING TO HOME MANFTR.
6. ENTIRE PANEL EXTERIOR AND FASTENERS LEFT EXPOSED TO RECEIVE A THOROUGH COATING BASED BARRIER COMPOUND ("ANY BACKFILLING OPERATION INTERIOR SURFACES NEED TAR THEY WILL BECOME IN CONTAC A CEMENT-COAT OF 33% MIN SUBSTITUTE FOR "TAR", PROVI IS ASSURED BY PREPARATION
7. WHERE DIFFERENTIAL SETTLEMEN MH SHALL BE READJUSTED WHE

← FHA Design part 2 Match line

AIL VIEW ACCESS OPENING REQUIRED PER LOCAL MODEL-CODE REQUIREMENTS



O BE PER THE HOME MANUFACTURER'S INSTALLATION INSTRUCTIONS,
EXCEED 8' O.C. AT MAIN BEAMS. PIER FOOTINGS TO BE PER THE HOME
ACTURER'S INSTRUCTIONS, MINIMUM 2.75 SQ. FT. EACH

: VENT AREA REQUIRED MUST MEET LOCAL MODEL-CODE REQUIREMENTS
NG AREAS HAVING ATTACHED PORCHES. 1 IN 5 PANELS DROPPED 4" SATISFIES THIS.
ROL: GRADE VAPOR BARRIER, IF ANY, ACCORDING TO MH INSTALLATION INSTRUCTIONS.
UIRED TYPICALLY. NOT PART OF THIS PERIMETER STRUCTURAL SYSTEM INSTALLATION.

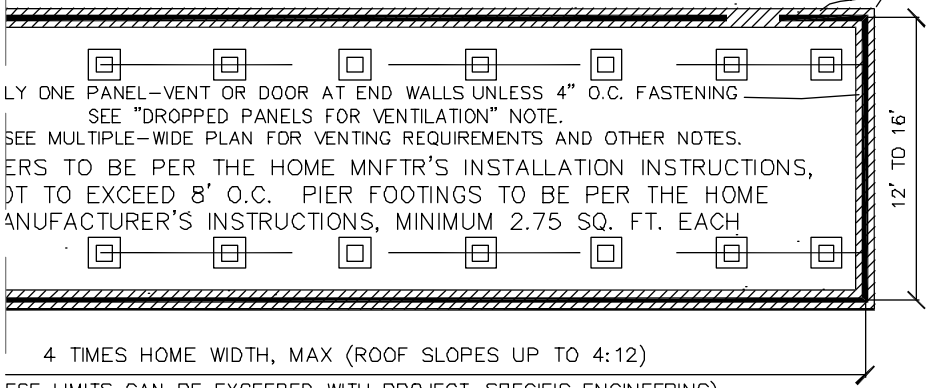
80' MAX (ROOF SLOPES UP TO 4:12)

(THESE LIMITS CAN BE EXCEEDED WITH PROJECT-SPECIFIC ENGINEERING)

MULTIPLE WIDE PLAN N.T.S.

ORNERS (W/ 50% SAW-KERFING) TYP. CORNERS MAY BE CUT & CONNECTED W/ 18 GA ANGLE.

L VIEW ACCESS OPENING REQUIRED PER LOCAL MODEL-CODE REQUIREMENTS



LY ONE PANEL-VENT OR DOOR AT END WALLS UNLESS 4" O.C. FASTENING
SEE "DROPPED PANELS FOR VENTILATION" NOTE.
SEE MULTIPLE-WIDE PLAN FOR VENTING REQUIREMENTS AND OTHER NOTES.
ERS TO BE PER THE HOME MNFTR'S INSTALLATION INSTRUCTIONS,
OT TO EXCEED 8' O.C. PIER FOOTINGS TO BE PER THE HOME
ANUFACTURER'S INSTRUCTIONS, MINIMUM 2.75 SQ. FT. EACH

4 TIMES HOME WIDTH, MAX (ROOF SLOPES UP TO 4:12)

ESE LIMITS CAN BE EXCEEDED WITH PROJECT-SPECIFIC ENGINEERING)

SINGLE WIDE PLAN N.T.S.

NUOUS ANCHORAGE MADE BY A CUT AT
ANEL RIBS AND A CONTINUOUS 90 BEND
L PANEL FLUTE INTERIOR SURFACES.

NIMUM EMBEDMENT, TYP.

GE CLEARANCE FOR ANY PANEL TO
M OF TRENCH TO BE 5" MIN. LEAST
ANCE AT ANY PANEL EDGE TO BE 4".

D TOP COMPONENTS AND
TO THE EXTERIOR SHALL
ING OF A COAL TAR
("TAR"), PRIOR TO
N OR CONTACT WITH SOIL.
AR TREATMENT ONLY IF
ACT WITH SOIL.
IN PORTLAND CEMENT MAY
OVIDING ADHESION TO PANELS
ON AND POLYMER ADDITION.
IENT DOES OCCUR, CONNS TO
HERE MH IS ADVERSELY AFFECTED.

8. ANCHORPANEL SHALL NOT BE INSTALLED IN HIGHLY CORROSIVE LOCATIONS, SUCH AS THOSE EXPOSED TO SALT SPRAY, OR IN VERY CORROSIVE SOIL CONDITIONS, UNLESS ADDITIONAL MEASURES ARE TAKEN FOR CORROSION PROTECTION.

DESIGN LOADS

PROJECT-SPECIFIC ENGINEERING REQ'D TO EVALUATE LOADS ABOVE THOSE LISTED

(FACTOR OF SAFETY IS 3)	
ROOF LIVE LOAD:	30 psf
MAX SNOW LOAD:	80 psf
FLOOR LIVE LOAD:	40 psf
M.H. UNIT WEIGHT:	50 psf MAX, 22 psf MIN
SEISMIC ZONE:	ALL
WIND LOAD:	90 MPH EXP. C

INSTALLATION / SITE REQUIREMENTS

PROPERLY INSTALLED ANCHORPANEL WILL PROVIDE LOAD-SPREADING GRADE-BEAM PROPERTIES SUPERIOR TO ANY INTERIOR PIER / BRACE M.H. "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 SITE-SPECIFIC GEOTECHNICAL EVALUATION.
2. THIS SYSTEM IS SUITABLE FOR SLOPING SITES, PROVIDING MAXIMUM PANEL HEIGHT IS KEPT AT 6', AND FOOTING TRENCHES AT SLOPES > 10% ARE LEVEL-STEPPED. TALLER PANELS CAN BE UTILIZED ONLY WITH PROJECT-SPECIFIC CALCULATIONS BY A LICENSED CIVIL ENGINEER. SLOPING SITES MUST BE DETERMINED AS BEING STABLE (FROM SLIDING OR CREEP).
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 APPROVED DRAINAGE DESIGN WHERE REQUIRED

FHA-HUD COMPLIANT FOUNDATION

THIS PERMANENT PERIMETER FOUNDATION MEETS HUD FOUNDATION REQUIREMENTS FOR MANUFACTURED HOMES, ACCORDING TO THE CRITERIA OF HUD's "PERMANENT FOUNDATION GUIDE FOR MANUFACTURED HOUSING" (HUD-7487) OF SEPTEMBER 1996.

FOUNDATION INSPECTIONS ARE TO BE CONDUCTED ACCORDING TO SPECIFIC LENDER REQUIREMENTS, WHETHER BY A BUILDING AUTHORITY, FHA COMPLIANCE INSPECTOR, OR CERTIFYING ENGINEER (INCLUDING EMPLOYEE UNDER DIRECTION OF ENGINEER IN RESPONSIBLE CHARGE).

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ANCHORPANEL® FOUNDATION SYSTEM

PERMANENT PERIMETER FOUNDATION

UNVENTED PANELS (DROP-PANEL VENTING)

FILE: ANCFHA1 11/18/06

SHEET 1 OF 1

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