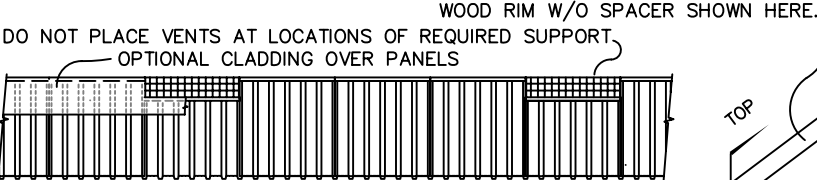


2 LAG SCREWS PER FOOT OF PANEL (EXCEPT AT VENTS), TYPICAL.

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.



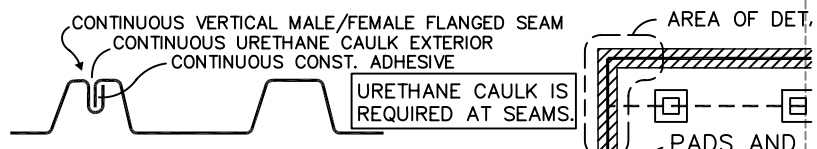
DROPPED PANELS FOR VENTILATION:

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.

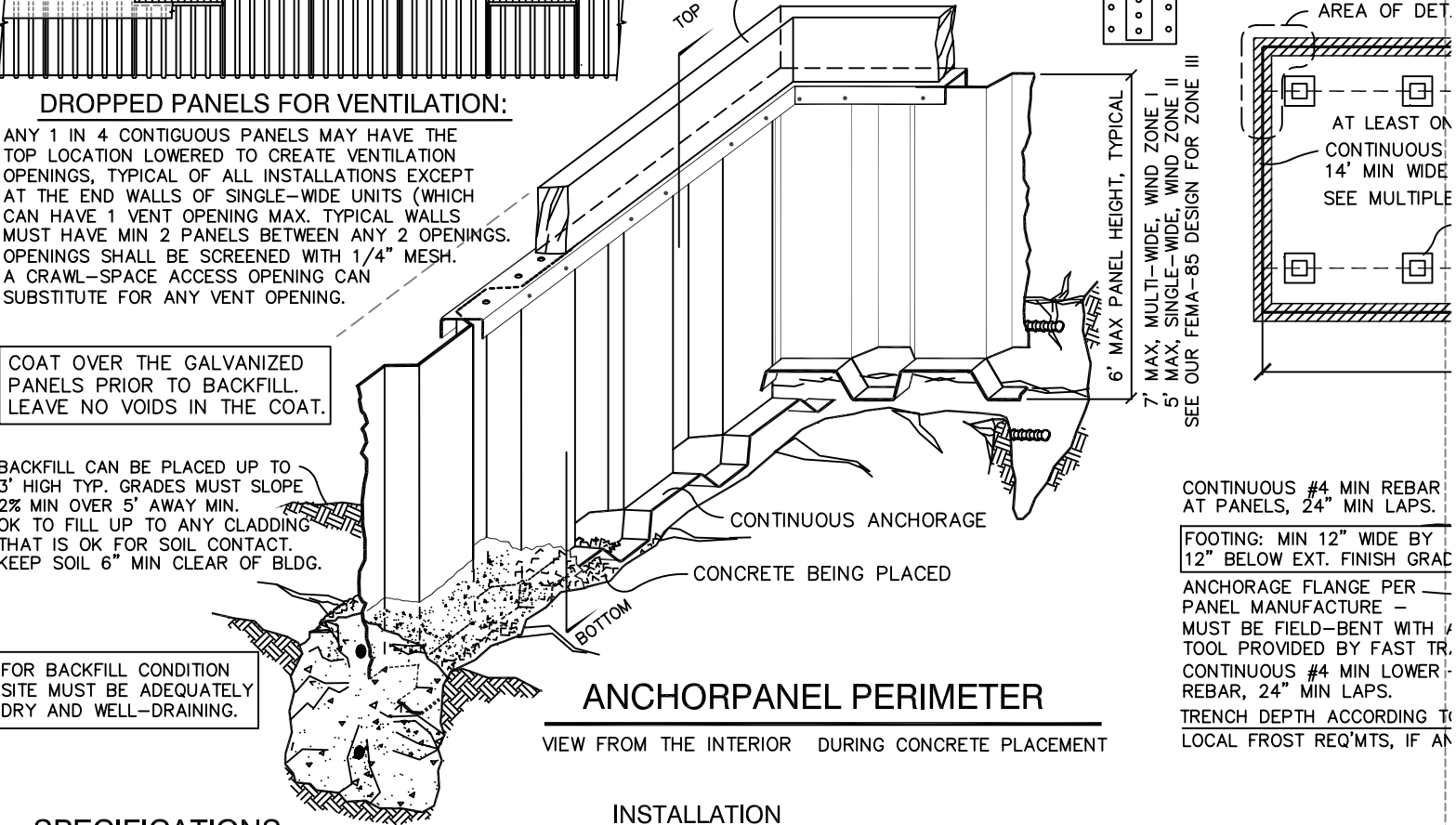
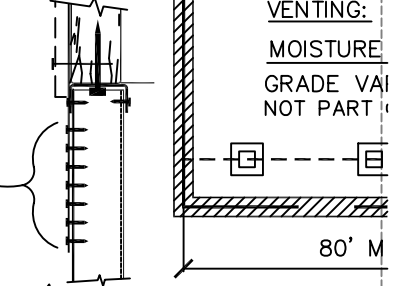


PLAN/SECTION DETAIL @ SEAM

SEAMS AT 3' 0" 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 LONGITUDINAL 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 TRANSVERSE WALLS.

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.



SPECIFICATIONS

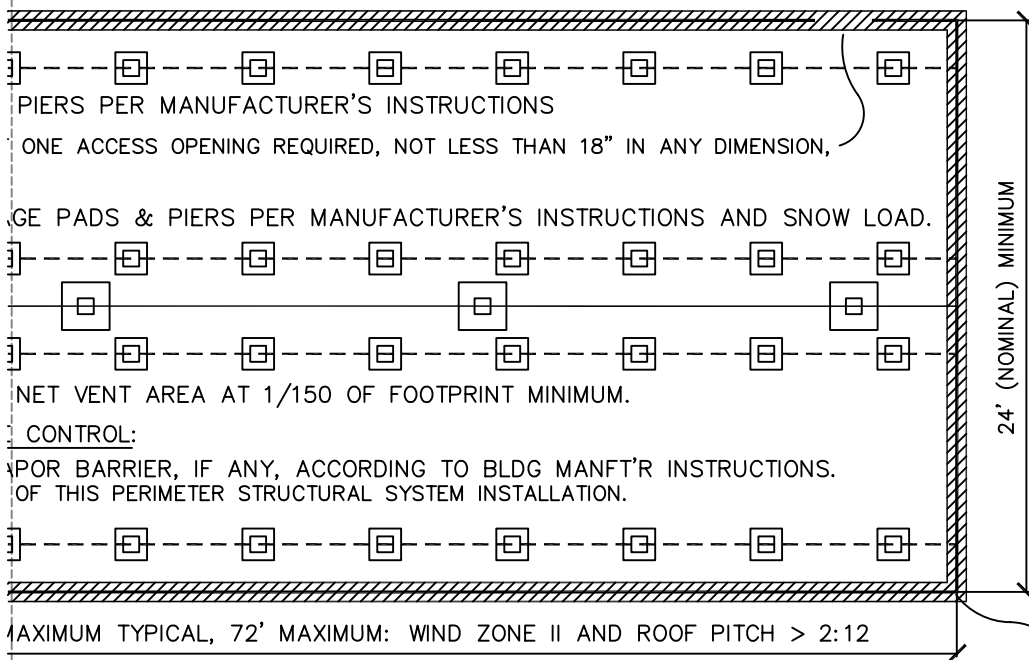
MATERIALS

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 SURFACE TO BE COATED WITH AN EPOXY-BASED BARRIER COMPOUND ("TAR"). ANY BACKFILLING OPERATION OF INTERIOR SURFACES NEED TAR. TAR WILL COME IN CONTACT WITH SCAFFOLDING. A CEMENT-COAT OF 33% MIN PORTLAND CEMENT SUBSTITUTE FOR "TAR", PROVIDED IT IS ASSURED BY PREPARATION A CONTRACTOR. ALTERNATIVELY, PANELS MAY BE COATED WITH EPOXY OR POLYMER COATING IN DAMAGED AREAS MUST BE REPAIR

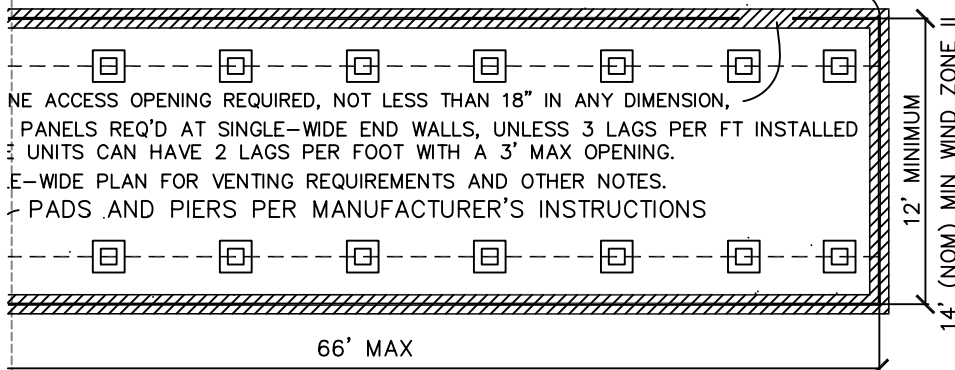
TAIL VIEW



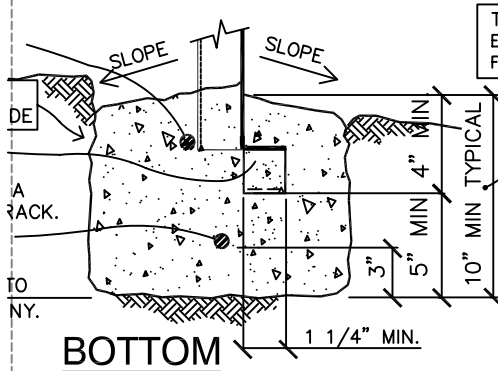
MULTIPLE-WIDE PLAN N.T.S.

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

TAIL VIEW



SINGLE-WIDE PLAN N.T.S.



BOTTOM

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.

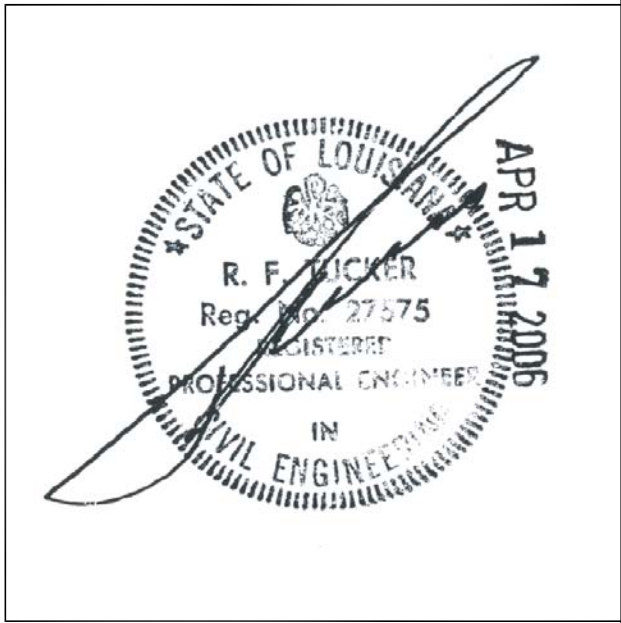
DESIGN LOADS

- 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 SHEET 1 OF 1

FOR MANUFACTURED HOMES
FAST TRACK® Foundation Systems

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 MICHAEL BUTLER, CIVIL ENGINEER
 PO BOX 1520
 FORT BRAGG, CA 95437 ANCHORPANEL.COM

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