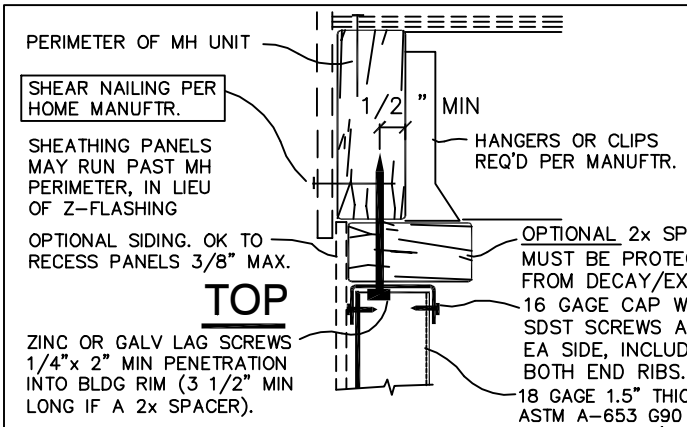
CM_CA_SPA part 1 Match line

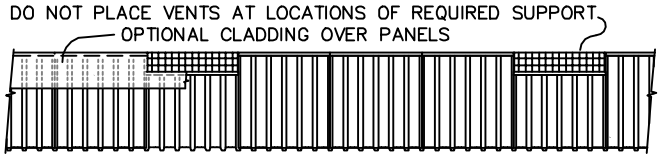


LAG SCREW FASTENING REQUIREMENTS

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

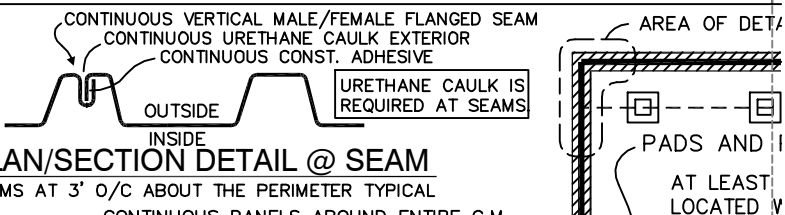
CONDITIONS REQUIRING 3 LAGS PER FOOT OF ATTACHED PANEL ARE AS FOLLOWS:

TRANSVERSE WALLS OF UNITS > 56' LONG, INSTALLED WHERE: SNOWLOADS ARE > 30 PSF OR TYPE-A SEISMIC SOURCES ARE < 5km AWAY
TRANSVERSE WALLS OF UNITS > 44' LONG, INSTALLED WHERE: SNOWLOADS ARE > 30 PSF AND TYPE-A SEISMIC SOURCES ARE < 5 km AWAY
LONGIT WALLS HAVING AN ATTACHMENT LENGTH < UNITS' TOTAL WIDTH, WHERE: SNOWLOADS ARE > 30 PSF AND TYPE-A SEISMIC SOURCES ARE < 5 km AWAY
END WALLS OF SINGLE-WIDE UNITS HAVING A VENT-PANEL OR ACCESS-OPENING



DROPPED PANELS FOR VENTILATION:

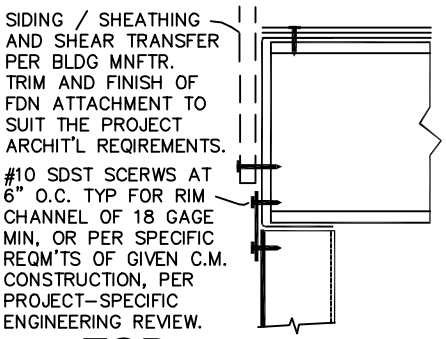
ANY 1 IN 4 CONTIGUOUS PANELS MAY HAVE THE TOP LOCATION LOWERED TO CREATE VENTILATION OPENINGS, TYPICAL OF ALL INSTALLATIONS EXCEPT AT THE END WALLS OF SINGLE-WIDE UNITS (WHICH CAN HAVE NO VENT OPENINGS). TYPICAL WALLS MUST HAVE MIN 2 PANELS BETWEEN ANY 2 OPENINGS. VENT OPENINGS SHALL BE SCREENED WITH 1/4" MESH. A CRAWL-SPACE ACCESS OPENING CAN SUBSTITUTE FOR ANY VENT OPENING.



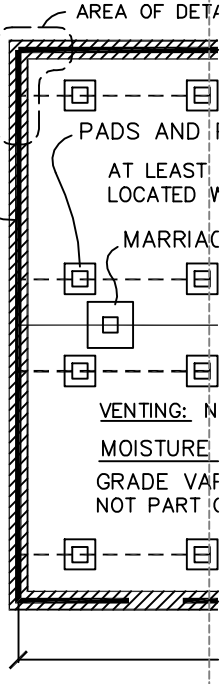
PLAN/SECTION DETAIL @ SEAM

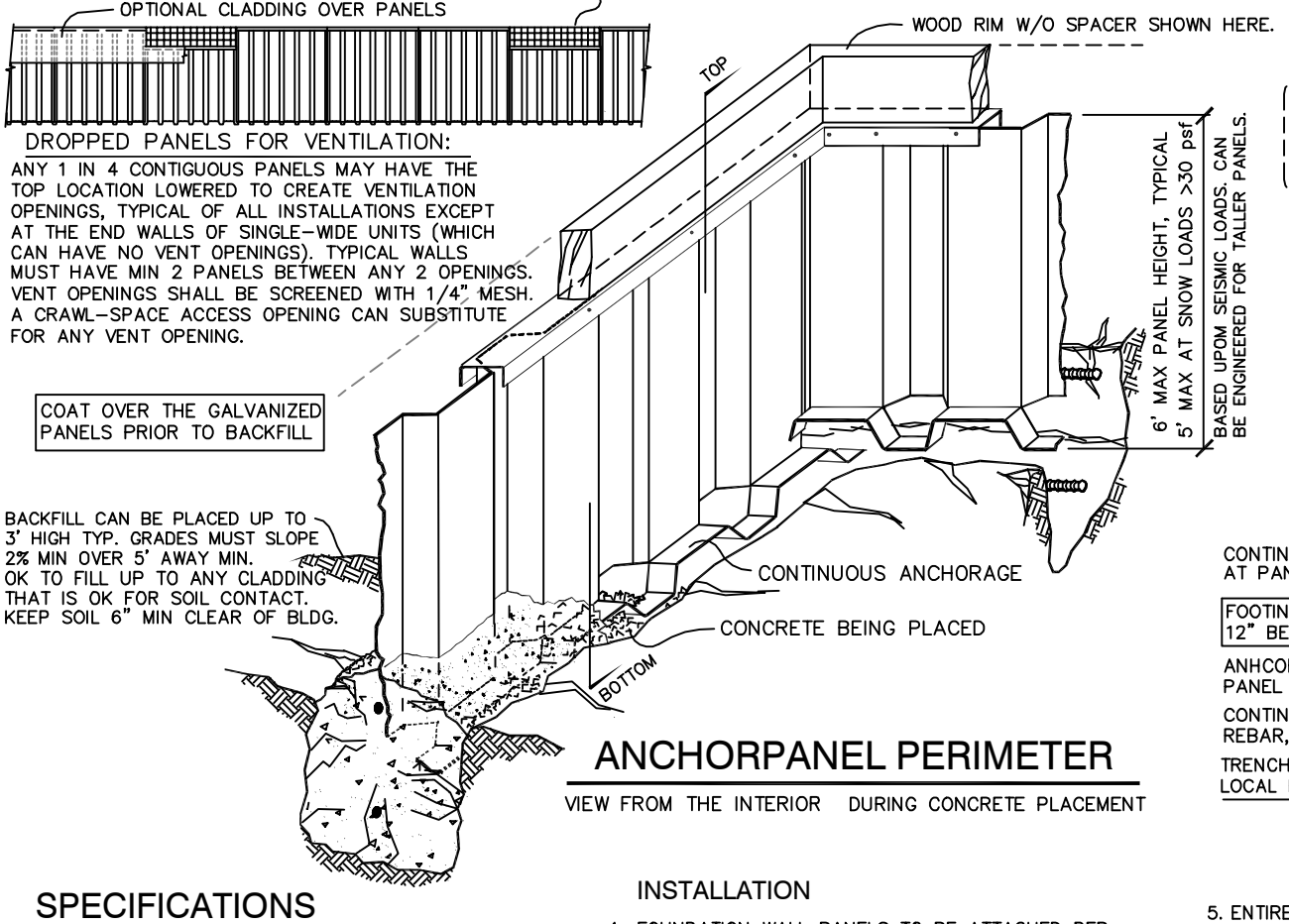
SEAMS AT 3' O/C ABOUT THE PERIMETER TYPICAL

CONTINUOUS PANELS AROUND ENTIRE C.M. WITH CRAWL SPACE ACCESS AT LONG WALLS TYPICAL. ONLY ONE ACCESS OPENING ALLOWED IN END WALLS OF DOUBLE-WIDE SETS, AND NO OPENINGS IN END WALLS OF SINGLE-WIDES.



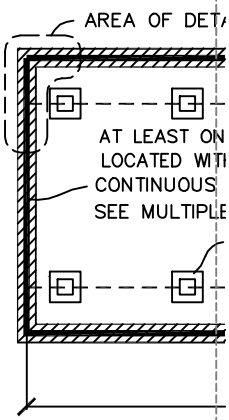
TOP ALTERNATE FOR STEEL CONSTRUCTED BUILDINGS





ANCHORPANEL PERIMETER

VIEW FROM THE INTERIOR DURING CONCRETE PLACEMENT



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

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

ANHCORAGE FLANGE PER PANEL MANUFACTURE.

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

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

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. 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. ENTIRE PANEL EXTERIOR AND FASTENERS EXTERIOR SURFA THOROUGH COATING OF AN BASED BARRIER COMPOUND ANY BACKFILLING OPERATION INTERIOR SURFACES NEED TA WILL COME IN CONTACT WITH A CEMENT-COAT OF 33% MI SUBSTITUTE FOR "TAR", PRO IS ASSURED BY PREPARATIO
6. WHERE DIFFERENTIAL SETTLE CM SHALL BE READJUSTED W

CM_CA_SPA part 2 Match line

ETAIL VIEW

) PIERS PER MANUFACTURER'S INSTRUCTIONS

:T ONE ACCESS OPENING REQUIRED, NOT LESS THAN 18" IN ANY DIMENSION,
) WITHIN 20' OF UTILITY CONNECTIONS C25CCR 1346(a). CAN BE INTERIOR DOOR.

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

NET VENT AREA AT 1/150 OF FOOTPRINT MINIMUM.

E CONTROL:

'APOR BARRIER, IF ANY, ACCORDING TO BLDG MANFT'R INSTRUCTIONS.
T OF THIS PERIMETER STRUCTURAL SYSTEM INSTALLATION.

24' TO 52'

80' MAX

MULTIPLE WIDE PLAN N.T.S.

PANELS FOLD AROUND CORNERS (W/50% SAW KERFING) TYP, OR CUT AND JOINED W/ 18 GA ANGLE AND CAULKED.

ETAIL VIEW

ONE ACCESS OPENING REQUIRED, NOT LESS THAN 18" IN ANY DIMENSION,
MTHIN 20' OF UTILITY CONNECTIONS C25CCR 1346(a). CAN BE INTERIOR DOOR.
IS PANELS REQ'D AT SINGLE-WIDE END WALLS, UNLESS 3 LAGS PER FT INSTALLED
PLE-WIDE PLAN FOR VENTING REQUIREMENTS AND OTHER NOTES.

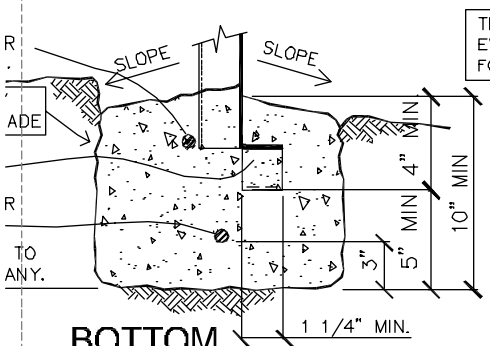
PADS AND PIERS PER MANUFACTURER'S INSTRUCTIONS

12' TO 16'

4 TIMES HOME WIDTH MAX, 64' 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.



BOTTOM

AND TOP COMPONENTS AND FACES SHALL RECEIVE A N EMULSIFIED TAR D ("TAR"), PRIOR TO ON OR CONTACT WITH SOIL. TAR TREATMENT IF THEY ITH SOIL OR SALT-LADEN AIR. MIN PORTLAND CEMENT MAY ROVIDING ADHESION TO PANELS TION AND POLYMER ADDITION.

LEMENT DOES OCCUR, CONNS TO) WHERE IT IS ADVERSELY AFFECTED.

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

DESIGN LOADS

ROOF LIVE LOAD:	30 psf
MAX SNOW LOAD:	80 psf (CAN BE HIGHER)
FLOOR LIVE LOAD:	50 psf (CAN BE HIGHER)
M.H. UNIT WEIGHT:	50 psf max, 22 psf min.
SEISMIC ZONE:	4 (1997 UBC R=4.5)
WIND LOAD:	80 MPH EXP. C

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 KEPT AT 6', AND FOOTING TRENCHES AT SLOPES > 10% ARE LEVEL-STEPPED. TALLER PANELS CAN BE UTILIZED ONLY WITH PROJECT-SPECIFIC CALCULATIONS BY A CALIF 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 CA STATE DRAINAGE DESIGN WHERE REQUIRED.

COMMERCIAL MODULAR BUILDING FOUNDATION SYSTEM
HEALTH AND SAFETY CODE, SECTION 18613
APPROVED

SUBJECT TO CORRECTIONS NOTED

APPROVAL DOES NOT AUTHORIZE OR APPROVE ANY OMISSIONS OR DEVIATION FROM REQUIREMENTS OF APPLICABLE STATUTES AND REGULATIONS

STATE OF CALIFORNIA
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
BUILDING CODES AND STANDARDS
BY: 06/14/05 DATE
STATE NO.
TITLE 25 APPROVAL EXPIRES 06/14/10
MGJ

ANCHORPANEL® FOUNDATION SYSTEM

PERMANENT PERIMETER FOUNDATION FOR COMMERCIAL MODULAR BUILDINGS

SHEET 1 OF 1
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REGISTERED PROFESSIONAL ENGINEER
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Exp. Sept. 30
STATE OF CALIFORNIA