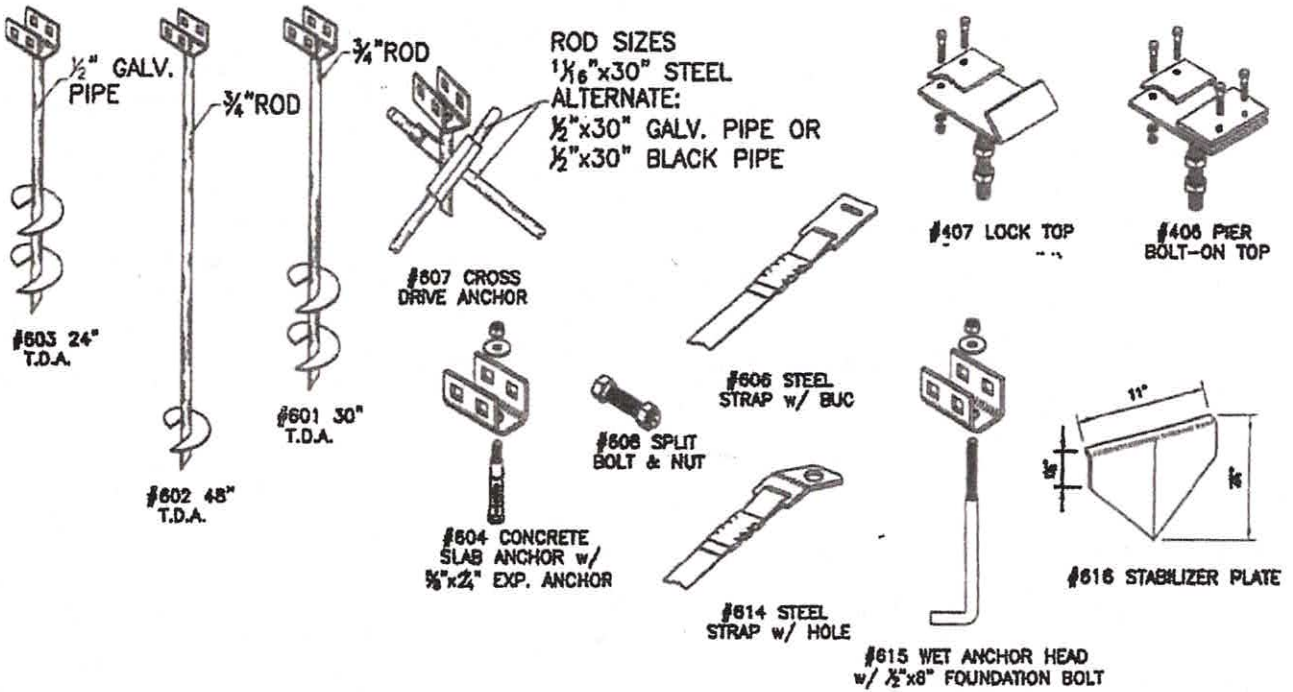
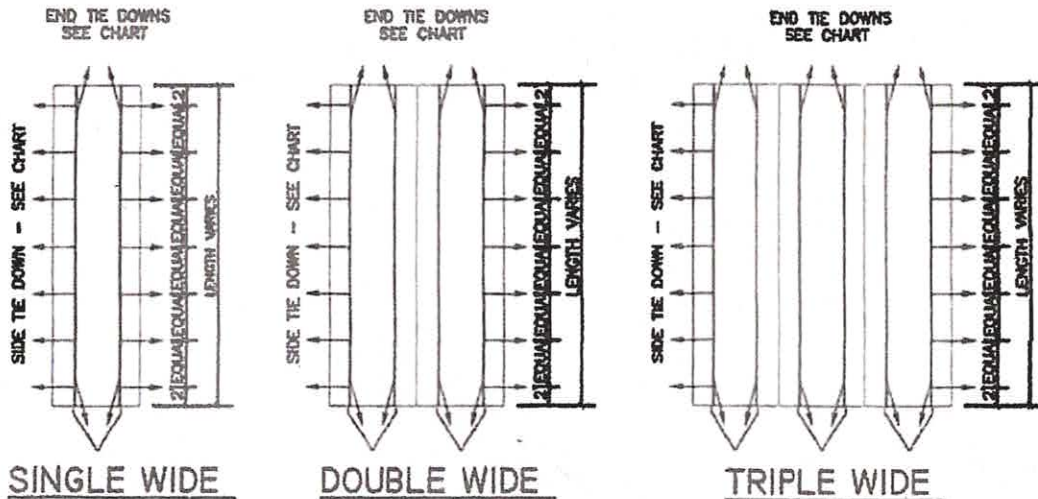


ABESCO TIE-DOWNS

(ABESCO NAME STAMPED IN HEADS OF TIE-DOWNS)



TIE DOWN LOCATIONS



EARTH AUGERS				CROSS DRIVE ANCHORS				CONCRETE SLAB ANCHORS					
MAX. LENGTH OF MFG'D HOME	36'	54'	72'	MAX. LENGTH OF MFG'D HOME	36'	54'	72'	MAX. LENGTH OF MFG'D HOME	34'	42'	50'	59'	68'
MAX. NO. OF SIDE TIE DOWNS	2	3	4	MAX. NO. OF SIDE TIE DOWNS	2	3	4	MAX. NO. OF SIDE TIE DOWNS	4	5	6	7	8

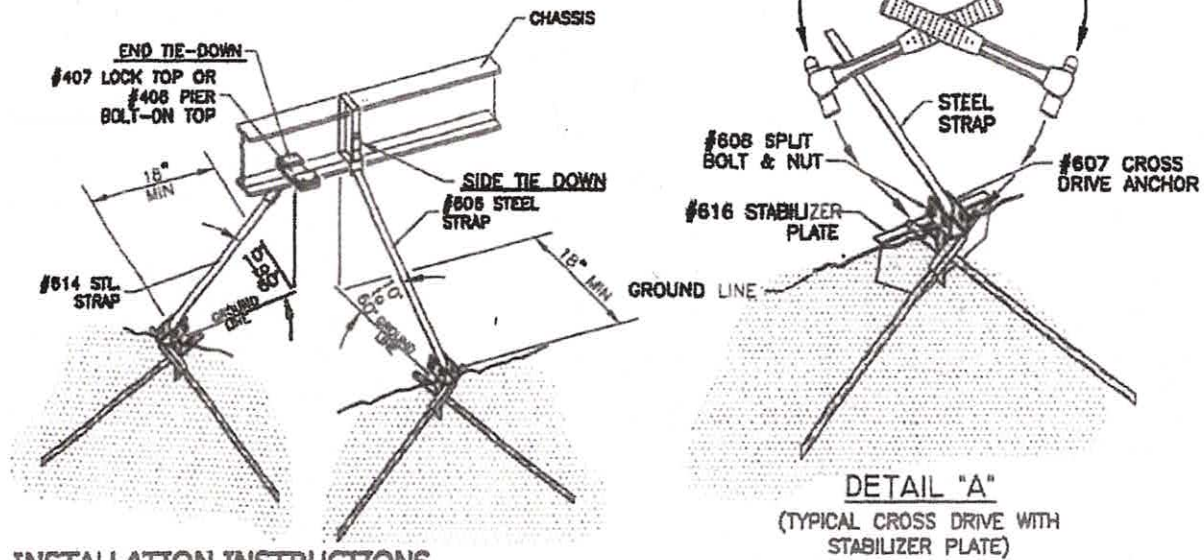
NOTE:

SIDE TIE-DOWNS: MUST BE WITHIN 24" OF THE END OF THE CHASSIS BEAM.

END TIE-DOWNS: CAN BE LOCATED WITHIN 24" OF EITHER SIDE OF CHASSIS BEAM ONE TIE-DOWN IS MANDATORY AT EACH END OF "I" BEAM (SEE PAGE #1 GENERAL NOTE #6).

IF SIDE WALL TIE-DOWN GROUND ANCHOR LOCATION IS SUCH THAT THE ANGLE BETWEEN THE GROUND AND STRAP EXCEEDS 60°, CONNECT THE TIE STRAP TO THE INSIDE CHASSIS BEAM ON DOUBLE AND TRIPLE WIDES AND THE OPPOSITE CHASSIS BEAM ON SINGLE WIDES.

CROSS DRIVE TIE DOWN



INSTALLATION INSTRUCTIONS

1. INSTALL CROSS DRIVE ANCHORS INTO SOIL AS SHOWN.
2. ATTACH STRAPS TO CHASSIS BEAM IN MANNER SHOWN.
3. INSERT STRAP THROUGH SPLIT BOLT, CUT OFF EXCESS STRAP AND THEN TIGHTEN BOLT UNTIL STRAP IS SNUG.

CONTRACTORS WARNING: CHECK FIRST FOR UNDERGROUND UTILITIES.

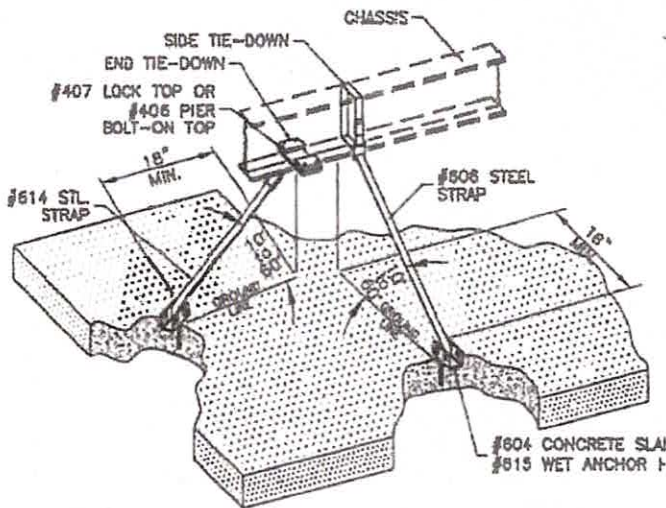
CROSS DRIVE ANCHORS ARE USED WHERE HARD OR ROCKY SOIL OCCURS, IF THE GROUND SURFACE IS OTHER THAN ROCK OR MINIMUM 2" ASPHALT, INSTALL #616 STABILIZER PLATE. (STABILIZER PLATES MAY BE PREWELDED TO #607 CROSS DRIVE ANCHOR)

NOTE:

IF A CROSS DRIVE IS USED WHERE AN AUGER COULD BE USED (IN LOAMY TYPE SOIL), THEN TWO CROSS DRIVES MUST BE INSTALLED PROPERLY IN PLACE OF THE ONE TIE-DOWN. BOTH CROSS DRIVES MUST BE STABILIZED AS SHOWN IN DETAIL "A". SEE PAGE #1, GENERAL NOTE #4.

THIS PLAN MAY BE USED FOR MANUFACTURED HOMES PLACES IN FEMA FLOOD HAZARD ZONES A, AE & AH, PROVIDED THE GROUND ANCHORS ARE THE #603 48" T.D.A. EARTH AUGERS. UNDER FLOOR VENTS AT THE PERIMETER SKIRTING SHALL BE PLACED WITH THE BOTTOM OF THE VENT MAX 12" ABOVE THE UNDER FLOOR GROUND SURFACE

CONCRETE TIE DOWN



INSTALLATION INSTRUCTIONS

#604 DRY

1. CONCRETE MUST BE A MINIMUM OF 3½" THICK AND IN GOOD CONDITION.
2. MINIMUM SLAB AREA OF EACH ANCHOR IS 28 SQUARE FEET.
3. DRILL PROPER SIZE HOLE IN SLAB, A MINIMUM OF 12" FROM ANY EDGE.

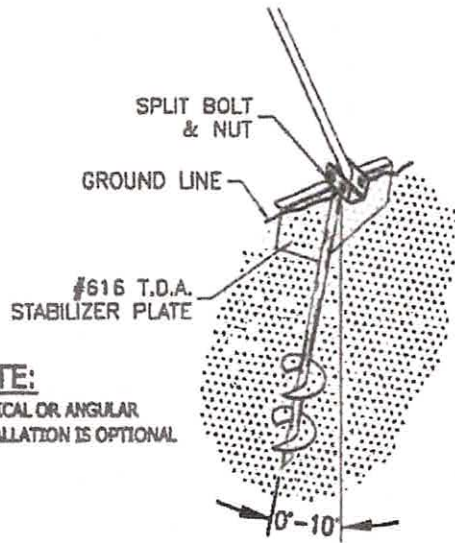
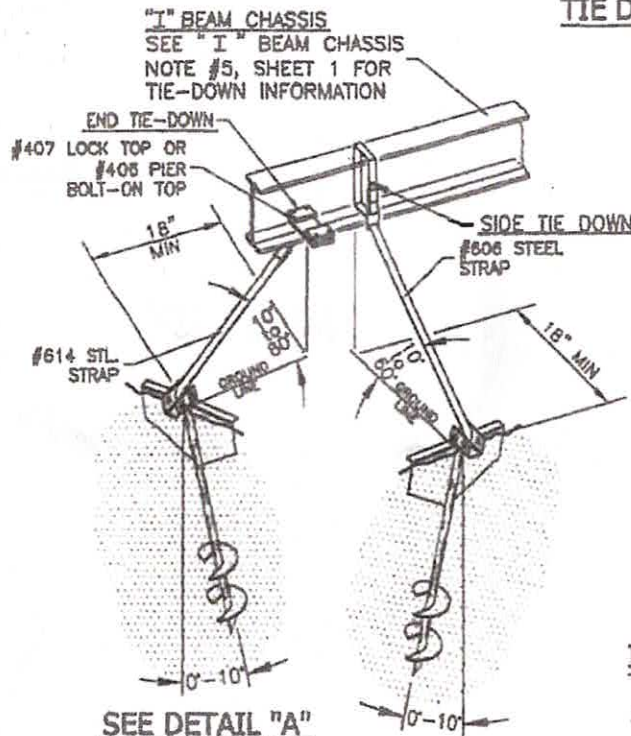
#615 WET

1. PLACE CONCRETE ANCHOR INTO WET CONCRETE.
2. ALLOW CONCRETE TO PROPERLY DRY.

CHASSIS CONNECTION

1. ATTACH STRAPS TO CHASSIS BEAM IN MANNER SHOWN.
2. INSERT STRAP THROUGH SPLIT BOLT. CUT OFF EXCESS STRAP AND THEN TIGHTEN BOLT UNTIL STRAP IS SNUG.

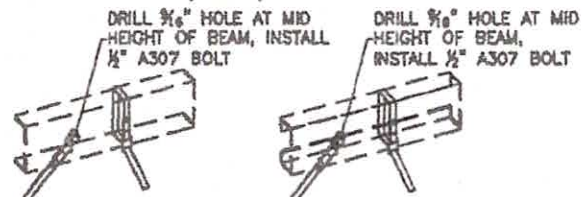
TIE DOWN



NOTE:
VERTICAL OR ANGULAR
INSTALLATION IS OPTIONAL

SEE DETAIL "A"
(TYPICAL)

SEE DETAIL "A"
(TYPICAL)



"C" BEAM CHASSIS
SEE "I" BEAM CHASSIS
NOTE: #5 SHEET 1 FOR
TIE-DOWN INFORMATION

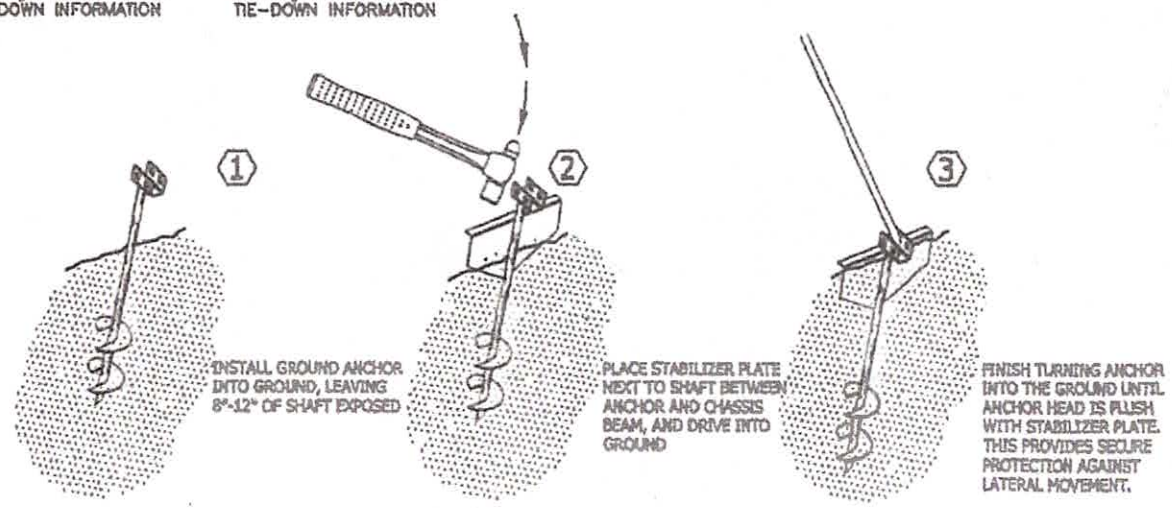
"RF" BEAM CHASSIS
SEE "I" BEAM CHASSIS
NOTE: #5 SHEET 1 FOR
TIE-DOWN INFORMATION

INSTALLATION INSTRUCTIONS:

1. INSTALL ANCHORS INTO SOIL APPLYING CONSTANT DOWNWARD PRESSURE TO MINIMIZE SOIL DISTURBANCE, UNTIL HEAD IS FLUSH WITH STABILIZER PLATE. ANCHORS SHOULD BE INSTALLED BELOW FROST LINE.
2. ATTACH STRAPS TO CHASSIS BEAM IN MANNER SHOWN.
3. INSERT STRAP THROUGH SPLIT BOLT. CUT OFF EXCESS STRAP AND THEN TIGHTEN BOLT UNTIL STRAP IS SNUG.

CONTRACTORS WARNING:

CHECK FIRST FOR UNDERGROUND UTILITIES.



- CONTRACTORS VERIFICATION -

I CERTIFY THAT I HAVE INSTALLED THE ABESCO ANCHORING SYSTEM AS PER THE INSTALLATION INSTRUCTIONS. I HAVE MADE NO MODIFICATIONS TO THE ANCHORING SYSTEM OR TO THE BUILDING STRUCTURE.

COMPANY NAME: _____

CONTRACTORS LIC. # _____

DATE: _____

SIGNATURE: _____