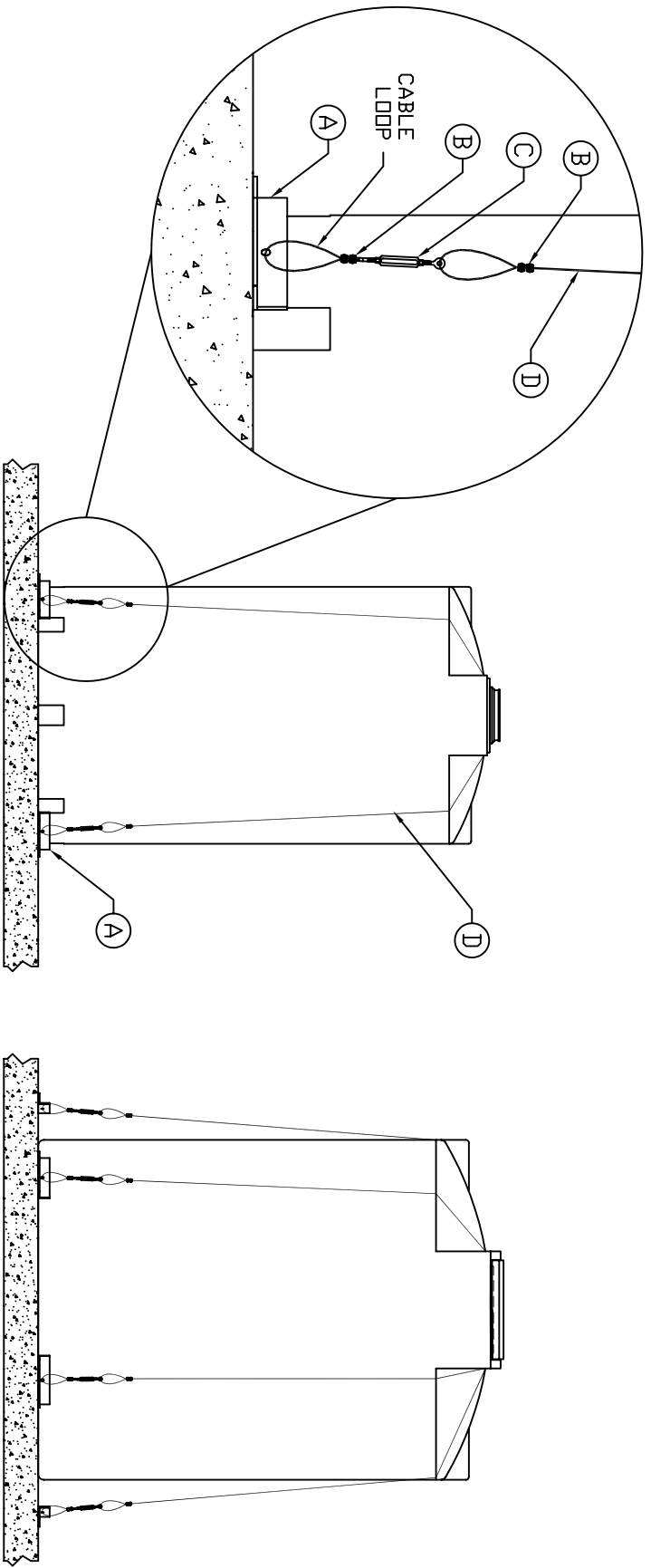
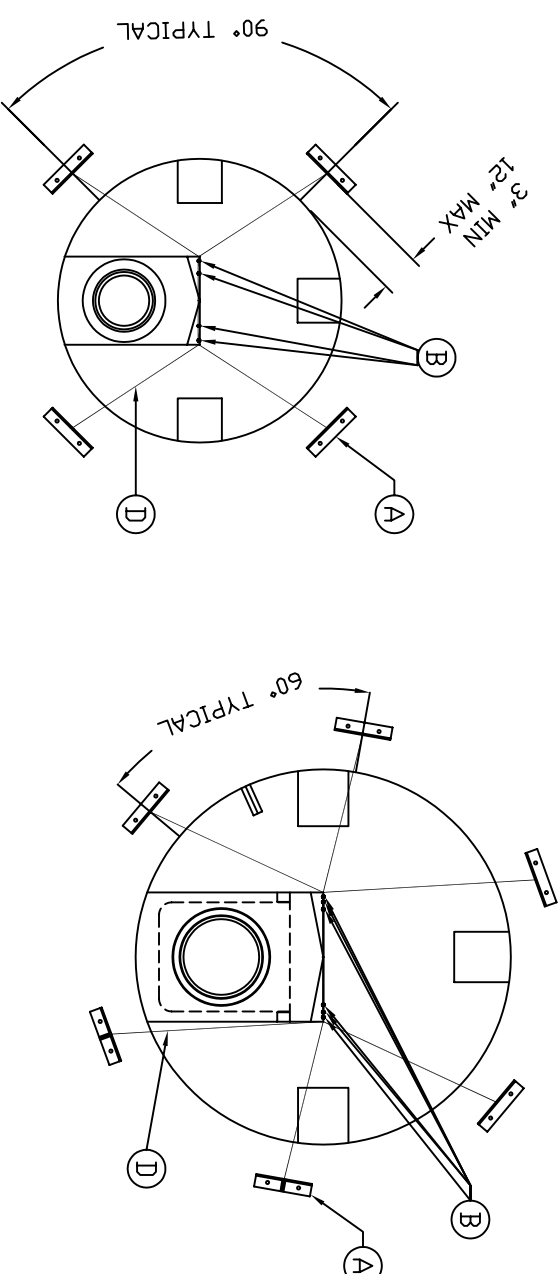


VERTICAL STORAGE TANKS SEISMIC ZONE 4 DR 120 MPH WINDLOAD
RESTRAINT SYSTEM CERTIFIED TO UBC 1997 STANDARDS



TANKS ARE BUILT PER ASTM D 1998.
CABLE BREAKING STRENGTH TO BE A MINIMUM
2 TIMES THE CALCULATED CABLE TENSION

ASSMANN CORPORATION IS NOT RESPONSIBLE FOR CONCRETE PAD,
ANCHOR BOLTS REQUIREMENTS, FINAL INSPECTION
AND SIGN OFF BY LOCAL ENGINEER

CABLE PULL FORCE:
FOUR RESTRAINT CLIP MODELS = 15,100 LBS
SIX RESTRAINT CLIP MODELS = 19,300 LBS

CABLES SHOULD BE PRE-TENSIONED TO 3,000 DURING INSTALLATION
SIX-HOLD DOWN CABLE ARRANGEMENT GOOD FOR TANKS RANGING
IN SIZE FROM 119" DIAMETER TO 143" DIAMETER AND BODY HEIGHTS
NOT EXCEEDING 170'.

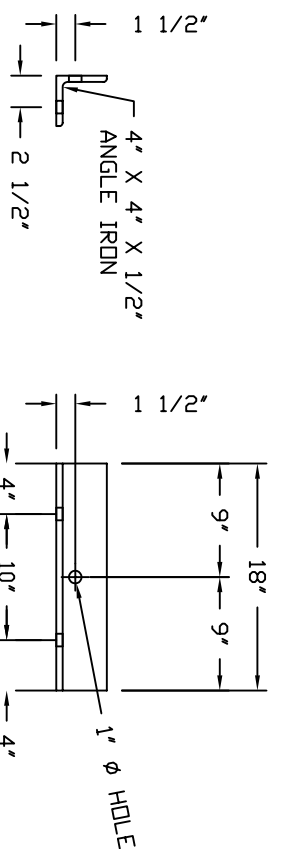
FOUR-HOLD DOWN CABLE ARRANGEMENT GOOD FOR TANKS RANGING
IN SIZE FROM 35" DIAMETER TO 105" DIAMETER AND BODY HEIGHTS
NOT EXCEEDING 173'.

ALL CALCULATIONS WERE PERFORMED TO UBC 1997 STANDARDS,
CALIFORNIA PE STAMP BASED ON SEISMIC ZONE 4 CONDITIONS,
FLORIDA PE STAMP BASED ON 120 MPH WINDLOAD CONDITIONS

TANK MODEL	RESTRAINT CLIPS	CABLE CLAMPS	TURNBUCKLES	CABLE LENGTH	PIECES OF CABLE REQ.
ICT 300	4	20	4	83	4
ACT 550	4	20	4	168	2
ICT 550	4	20	4	192	2
ICT 700	4	20	4	194	2
ICT 850	4	20	4	147	4
IFT 950	4	20	4	244	2
ICT 1000	4	20	4	244	2
ICT 1100	4	20	4	213	2
ICT 1200	4	20	4	276	2
ACT 1500	4	20	4	241	2
ICT 1500	4	20	4	317	2
ICT 1850	4	20	4	266	2
ICT 2000	4	20	4	291	2
ICT 2050	4	20	4	402	2
ICT 2400	4	20	4	300	2
ICT 2500	4	20	4	474	2
ICT 2900	4	20	4	414	2
ICT 3000	4	20	4	444	2
ICT 4000	4	20	4	510	2
ICT 4200	4	20	4	498	2
ICT 5200	6	30	6	504	3
ICT 5500	6	30	6	504	3
ICT 5600	6	30	6	588	3
ICT 6500	6	30	6	588	3
ICT 6510	6	30	6	528	3
ICT 7300	6	30	6	485	3
ICT 8000	6	30	6	528	3
ICT 8410	6	30	6	583	3
ICT 10000	6	30	6	591	3
ICT 12000	6	30	6	636	3

DOUBLEWALL STORAGE TANKS SEISMIC ZONE 4 DR 120 MPH WINDLOAD
RESTRAINT SYSTEM CERTIFIED TO UBC 1997 STANDARDS

TANK MODEL	RESTRAINT CLIPS	CABLE CLAMPS	TURNBUCKLES	CABLE LENGTH	PIECES OF CABLE REQ.
IMT 550	4	20	4	300	2
IMT 1050	4	20	4	342	2
IMT 1550	4	20	4	414	2
IMT 2050	4	20	4	415	2
IMT 2550	4	20	4	426	2
IMT 3050	4	20	4	468	2
IMT 4050	4	20	4	546	2
IMT 5250	6	30	6	520	3
IMT 6550	6	30	6	583	3



RESTRAINT CLIP DETAIL

300 N TAYLOR ROAD
 GARRETT, IN 46738
 PHONE: (660) 357-3418
 FAX: (660) 357-9728
 THE SEISMIC & WINDLOAD RESTRAINT
 SYSTEM FOR POLYETHYLENE TANKS
 ASSMANN CORPORATION OF AMERICA
 SCALE: AS SHOWN
 DRAWN BY: SRD/WLS/DN
 DATE: 3/17/08
 DIV. NUMBER: TDA003
 REV: Ø