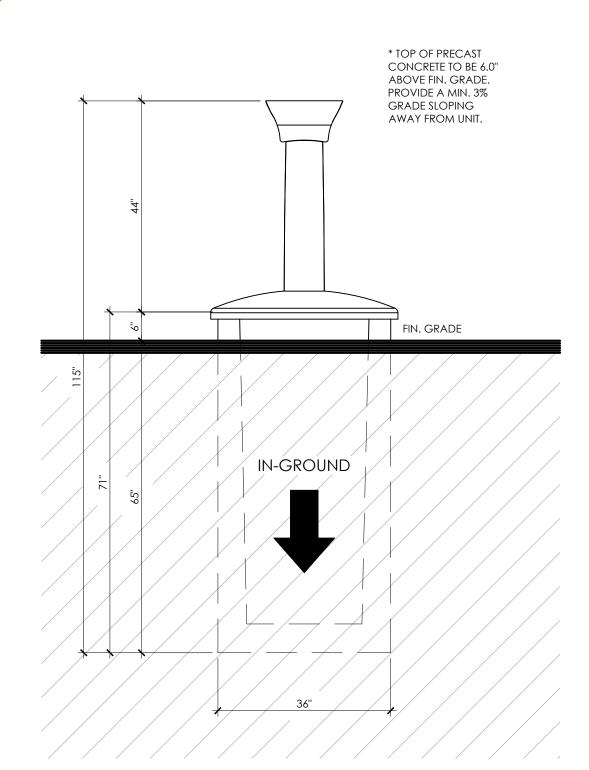
S I TERA

INSTALLATION INSTRUCTIONS FOR SUTERA DS-1

DOG WASTE STEEL LID 1 cu.yd. CONTAINMENT CAPACITY





INSTALLATION INSTRUCTIONS

REQUIRED TOOLS, EQUIPMENT, MACHINERY:

- EXCAVATOR
- DUMP TRUCK
- JUMPING JACK, PLATE COMPACTOR
- BUILDERS LEVEL
- STORY ROD
- HAND LEVEL (6ft.)

STEP No.1 - DETERMINE SITE LOCATION

- a. NO OVERHEAD POWER LINES
- b. NO TREE OVERHANG
- NO CANOPY OVERHANG с.
- Ь HAVE A SITE UTILITY LOCATE (UNDERGROUND) CONDUCTED WITHIN AREA OF PROPOSED INSTALLATION
- BE WITHIN REACH OF SERVICE CRANE TRUCK e.
- DETERMINE CORRECT ORIENTATION, FRONT/BACK/LEFT/RIGHT, ALLOWING MIN. 5'-0" CLEARANCE FOR STEEL LID TO HINGE OPEN TO THE 'BACK' OF THE PRECAST (AS SHOWN IN STEP No.3)

STEP No.2 - EXCAVATION

- TOP OF PRECAST TO BE 6.0" ABOVE FINISHED GRADE. PROVIDE A MIN. 3% GRADE SLOPING AWAY FROM UNIT. a.
- EXCAVATE TO THE REQUIRE WIDTH AND DEPTH. b.
- LEVEL AND COMPACT THE BASE OF EXCAVATION. С.
- d. APPROX. 1.4 cu.yds. OF MATERIAL TO BE REMOVED FROM SITE PER SUTERA DS-1.

STEP No.3 - INSTALLATION OF PRECAST CONCRETE

- a. TAKE DELIVERY OF PRECAST UNITS WITH DELIVERY TRUCK CRANE, SITE CRANE OR EXCAVATOR, WHICHEVER IS AVAILABLE OR REQUIRED. DETERMINE CORRECT ORIENTATION, FRONT/BACK/LEFT/RIGHT, ALLOWING MIN. 5'-0" CLEARANCE FOR STEEL LID TO HINGE OPEN TO THE 'BACK' OF b. THE PRECAST.
- c. USING SWIFT LIFT HOOK ANCHORS, 2 PER PRECAST UNIT, LIFT THE PRECAST MONOBASE AND SET INTO PLACE, ENSURE LEVEL, BOTH HORIZ. AND VERT.
- d. ENSURE TOP OF PRECAST IS 6.0" ABOVE FINISHED GRADE, PROVIDE A MIN. 3% GRADE SLOPING AWAY FROM UNIT.
- e. DO NOT ALLOW DEBRIS OR WATER TO ENTER THE OPEN CONCRETE WELL, KEEP CLEAN AND DRY.

STEP No.4 - BACKFILL

- a. SUTERA UNITS OVERALL MASS EXCEEDS THE NATURAL FORCES OF HYDROSTATIC PRESSURE AND WILL NOT FLOAT OUT OF THE GROUND, NO EXTRA MEASURES ARE REQUIRED TO KEEP IT IN THE GROUND.
- b. BACKFILL WITH NATIVE MATERIAL (EXCAVATED MATERIAL MAY BE USED IF SUITABLE).
- COMPACT IN SMALL LAYERS TO ACHIEVE 95% PROCTOR. с.
- d. DO NOT ALLOW DEBRIS OR WATER TO ENTER THE OPEN CONCRETE WELL, KEEP CLEAN AND DRY.

STEP No.5 - FASTENING HINGE BRACKET TO PRECAST.

- a. REST STEEL LID ON TOP OF PRECAST CONCRETE, ALIGNING THE THREE (3) HOLES LOCATED ON THE HINGE BRACKET WITH THE THREE (3) FERRULE LOOPS CAST INTO THE CONCRETE.
- b. STEEL LID SUPPORT AND HINGE BRACKET HOOKS ALLOW LID TO SIT CORRECTLY ON PRECAST CONCRETE.
- c. FASTENED STEEL LID TO PRECAST USING THREE (3) 1/2" DIA. BOLTS, LOCK WASHERS AND WASHERS AS SHOWN.

STEP No.6 - INSTALLING LOCK TABS AND PADLOCK.

- a. LOCK TAB 'A' COMES PRE-ASSEMBLED AND FASTENED TO THE BACKSIDE OF THE STEEL LID. ADJUSTMENT CAN BE MADE IF NECESSARY BY UTILIZING THE SLOTTED HOLES.
- INSTALL LOCK TAB 'B' AS SHOWN ALONG WITH THE SUPPLIED AND SPECIFIED FASTENERS. ADJUSTMENT CAN BE MADE IF NECESSARY BY UTILIZING b.
- THE SLOTTED HOLES. ENSURE PROPER CLEARANCE IS PROVIDED BETWEEN BOTH LOCK TABS WHEN LID IS OPENED AND CLOSED. C.
- d. INSTALL KEYED ALIKE PAD LOCK.

STEP NO.7 - BAG HARDWARE AND CINCHING BAG CLOSED

- a. PULL ROPE TIGHTLY THROUGH THE HEAVY DUTY HOSE ASSEMBLY.
- b. INSERT ROPE HOSE ASSEMBLY BALL INTO BALL SLOT OF CLAMCLEAT.
- ENSURE ROPE IS ENGAGED INTO THE TEETH OF THE CLAMCLEAT.
- с.
- FASTEN ROPE BEHIND THE CLAMCLEAT HOOK. Ы
- *THE ABOVE STEPS WILL CINCH THE BOTTOM OF THE BAG CLOSED.

- e. PULLING THE ROPE TIGHT, TIE A DOUBLE HALF HITCH KNOT TO THE SECONDARY SAFETY ROPE TIE-OFF.

- NEATLY PLACE THE REMAINING ROPE INTO THE ROPE POUCH. f
- STEP No.8 INSTALLING STEEL FRAME, PVC BAG & LINER BAG
- a. LIFT STEEL FRAME AND LOWER INSIDE THE PRECAST CONCRETE, NOTE THE STEEL FRAME WILL REST ON THE TOP OF THE PRECAST WALL. STEEL FRAME
- WEIGHT = 60 lbs. (27 kg.)
- b. ENSURE PVC BAG IS CINCHED CLOSED AT THE BOTTOM AS PER STEP 7 ON PREVIOUS PAGE. LOWER BAG INTO THE PRECAST WELL PLACING IT ON
- THE OUTSIDE OF THE ROUND STEEL FRAME. LOOP THE NYLON STRAPS OVER THE ROUND STEEL FRAME AND FASTEN WITH QUICK LINKS IN FOUR (4) LOCATIONS. PVC BAG WEIGHT = 10 lbs. (5 kg.) EMPTY
- *CAUTION* NOT TO PINCH OR TEAR THE BAG WHILE LOWERING IT INTO THE WELL.
- C. INSERT DISPOSABLE BLACK LINER BAG AS SHOWN, LOOPING OVER THE SQUARE STEEL FRAME AND PIERCING THE LINER BAG IN SIX (6) LOCATIONS

- TO HOLD IN PLACE.
- d. CLOSE LARGE STEEL LID BY HINGING SHUT, SLIDE LOCK PIN AND INSTALL PADLOCK.

INSTALLATION IS NOW COMPLETE

HAND RAKE LIFTING STRAPS FOR PRECAST CONCRETE AND STEEL LID

HAMMER DRILL

TAPE MEASURE

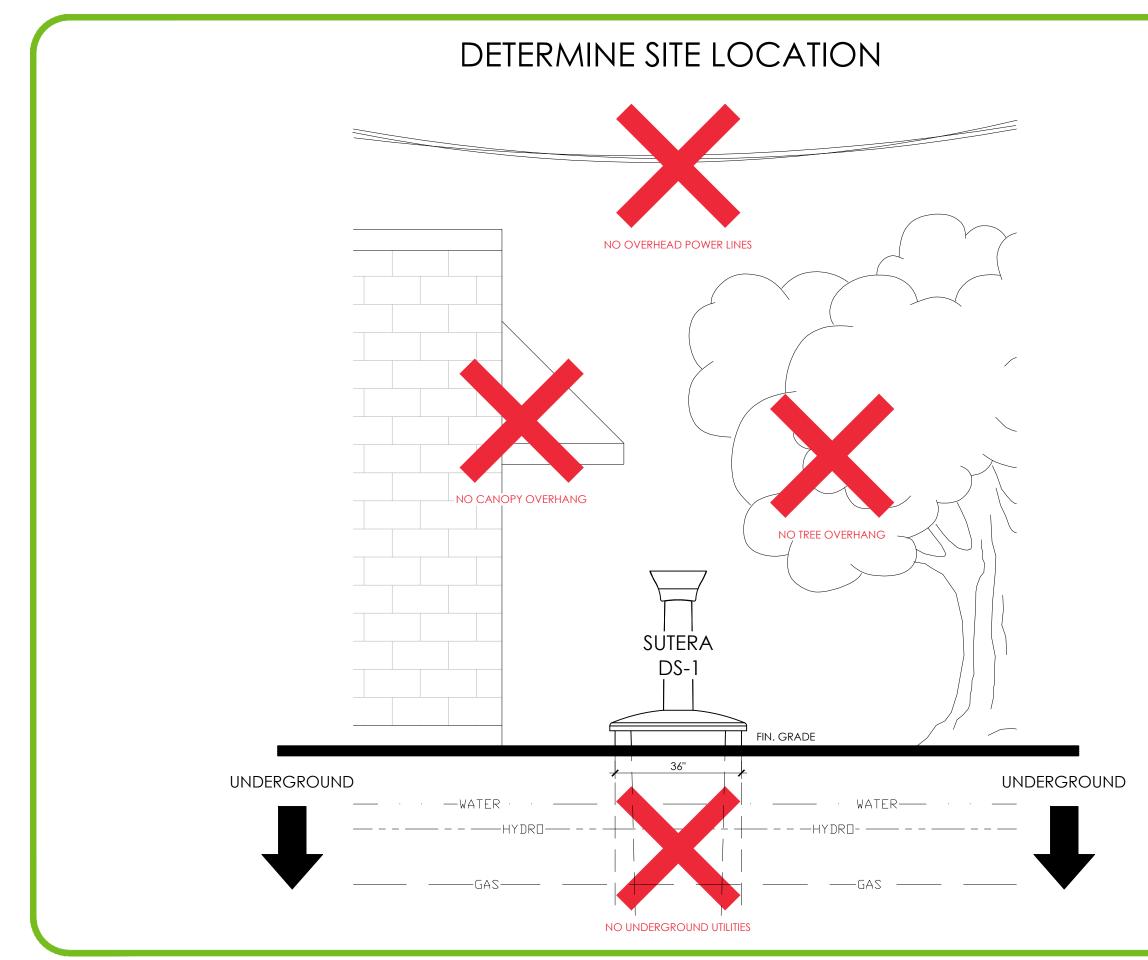
hand shovel

LASER LEVEL



INSTALLATION **INSTRUCTIONS**

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STEP No.1



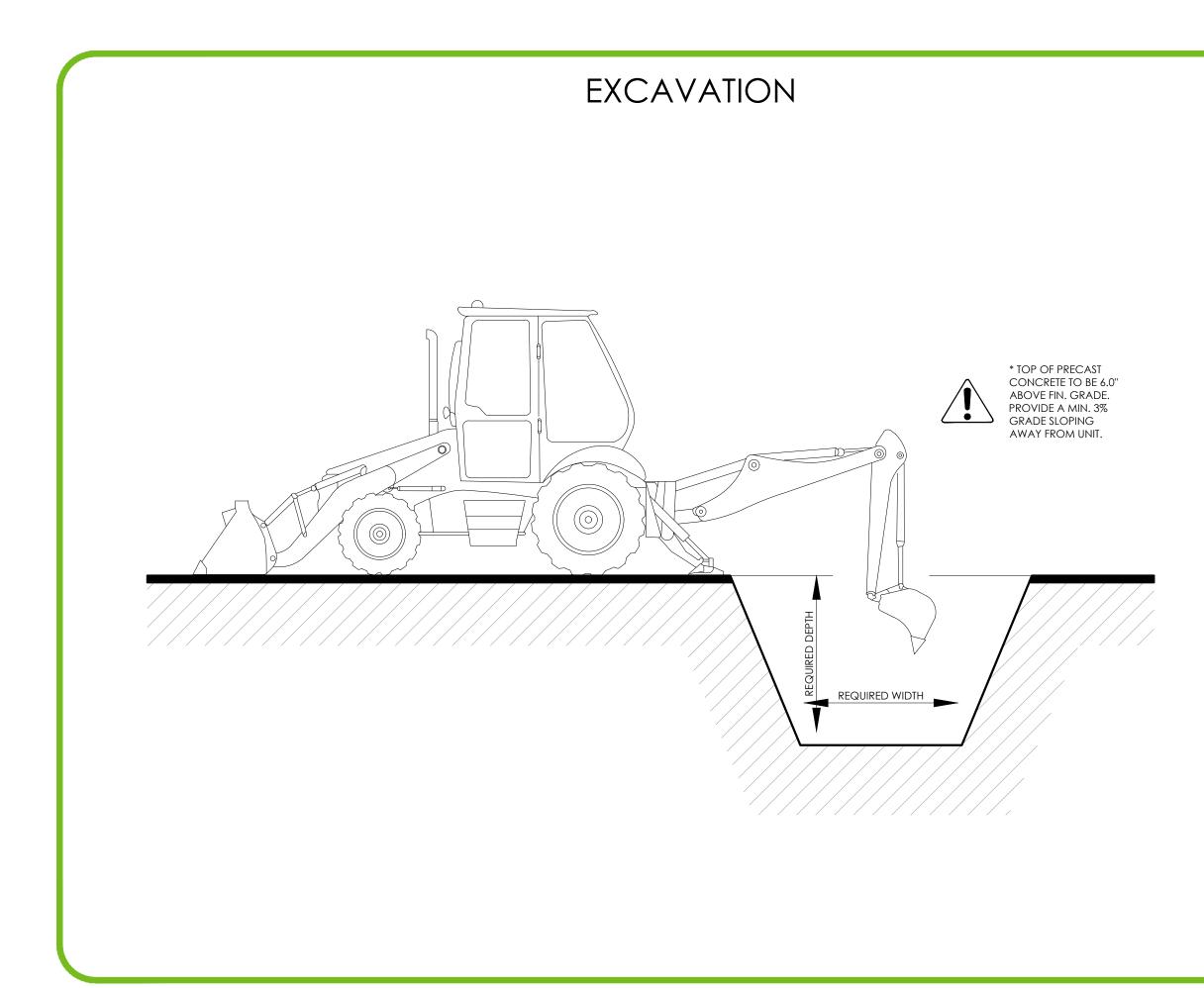
INSTALLATION INSTRUCTIONS



STEP No.1 - DETERMINE SITE LOCATION a. NO OVERHEAD POWER LINES

- b. NO TREE OVERHANG
- c. NO CANOPY OVERHANG
- d. HAVE A SITE UTILITY LOCATE (UNDERGROUND) CONDUCTED WITHIN AREA OF PROPOSED INSTALLATION
- e. BE WITHIN REACH OF SERVICE CRANE TRUCK
- f. DETERMINE CORRECT ORIENTATION, FRONT/BACK/LEFT/RIGHT, ALLOWING MIN. 5'-0" CLEARANCE FOR STEEL LID TO HINGE OPEN TO THE 'BACK' OF THE PRECAST (AS SHOWN IN STEP No.3)

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STEP No.2



INSTALLATION INSTRUCTIONS



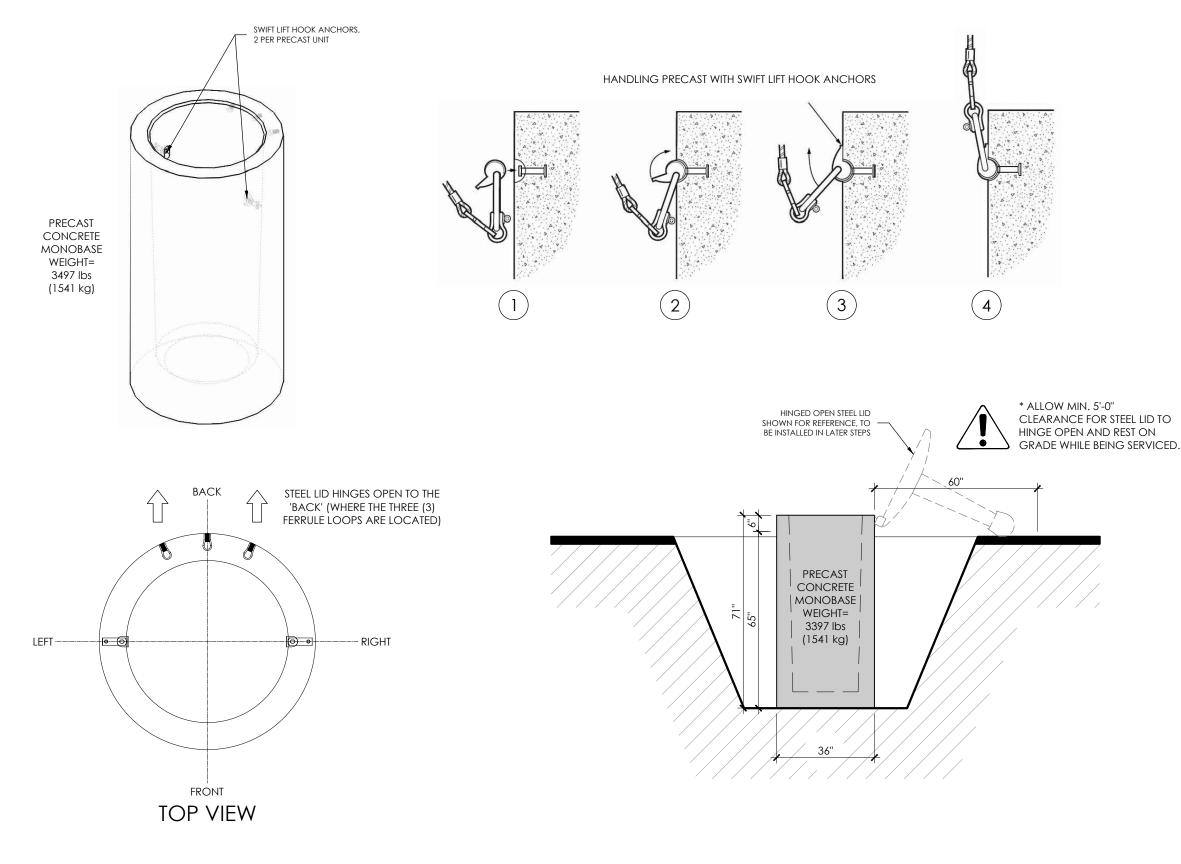
STEP No.2 - EXCAVATION

- a. TOP OF PRECAST TO BE 6.0" ABOVE FINISHED GRADE. PROVIDE A MIN. 3% GRADE SLOPING AWAY FROM UNIT.
- b. EXCAVATE TO THE REQUIRE WIDTH AND DEPTH.
- C. LEVEL AND COMPACT THE BASE OF EXCAVATION.
- d. APPROX. 1.4 cu.yds. OF MATERIAL TO BE REMOVED FROM SITE PER SUTERA DS-1.

NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

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INSTALLATION OF PRECAST CONCRETE



STEP No.3



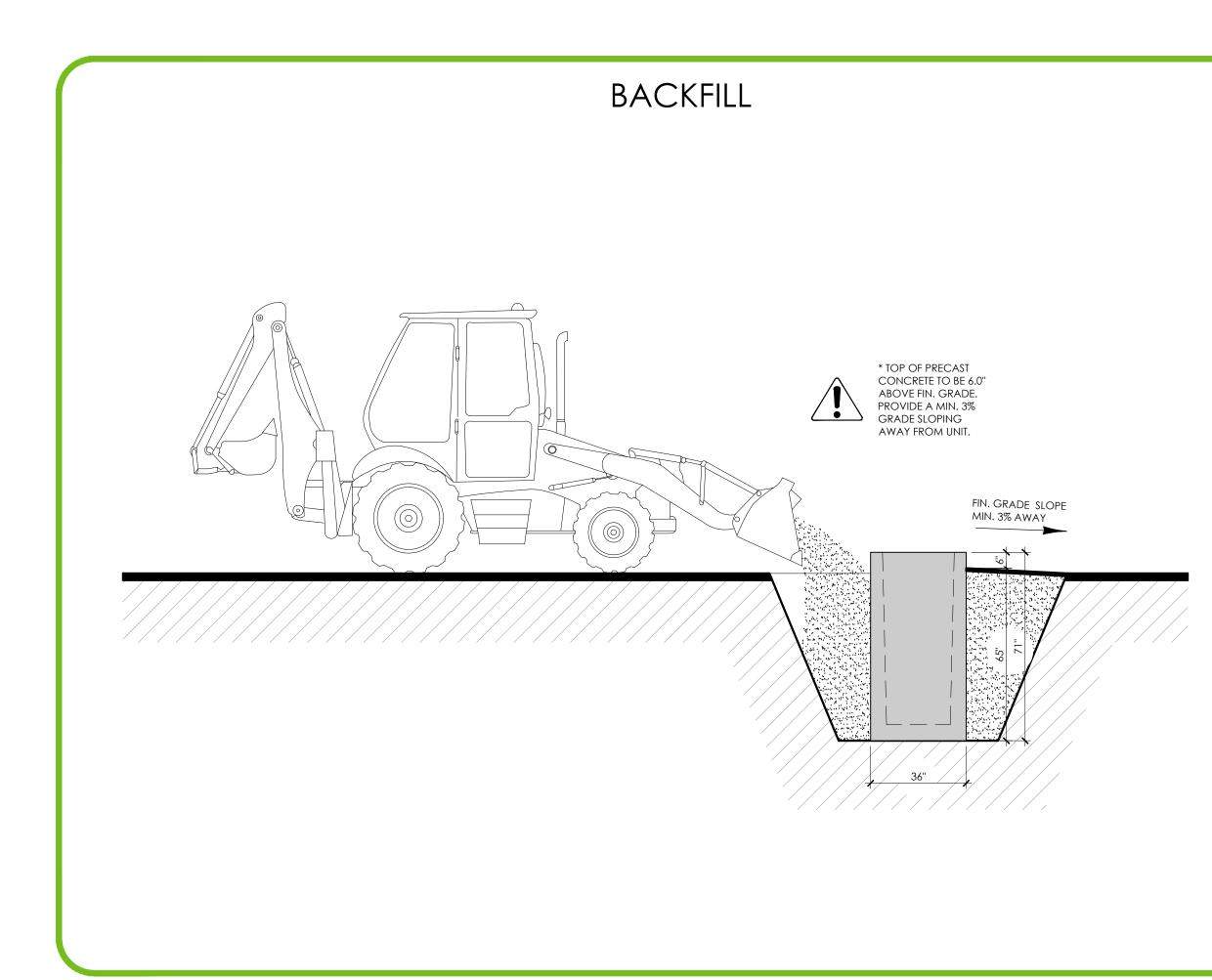
INSTALLATION INSTRUCTIONS



STEP No.3 - INSTALLATION OF PRECAST CONCRETE

- a. TAKE DELIVERY OF PRECAST UNITS WITH DELIVERY TRUCK CRANE, SITE CRANE OR EXCAVATOR, WHICHEVER IS AVAILABLE OR REQUIRED.
- b. DETERMINE CORRECT ORIENTATION, FRONT/BACK/LEFT/RIGHT, ALLOWING MIN. 5'-0" CLEARANCE FOR STEEL LID TO HINGE OPEN TO THE 'BACK' OF THE PRECAST.
- c. USING SWIFT LIFT HOOK ANCHORS, 2 PER PRECAST UNIT, LIFT THE PRECAST MONOBASE AND SET INTO PLACE, ENSURE LEVEL, BOTH HORIZ. AND VERT.
- d. ENSURE TOP OF PRECAST IS 6.0" ABOVE FINISHED GRADE, PROVIDE A MIN. 3% GRADE SLOPING AWAY FROM UNIT.
- e. DO NOT ALLOW DEBRIS OR WATER TO ENTER THE OPEN CONCRETE WELL, KEEP CLEAN AND DRY.

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STEP No.4



INSTALLATION INSTRUCTIONS

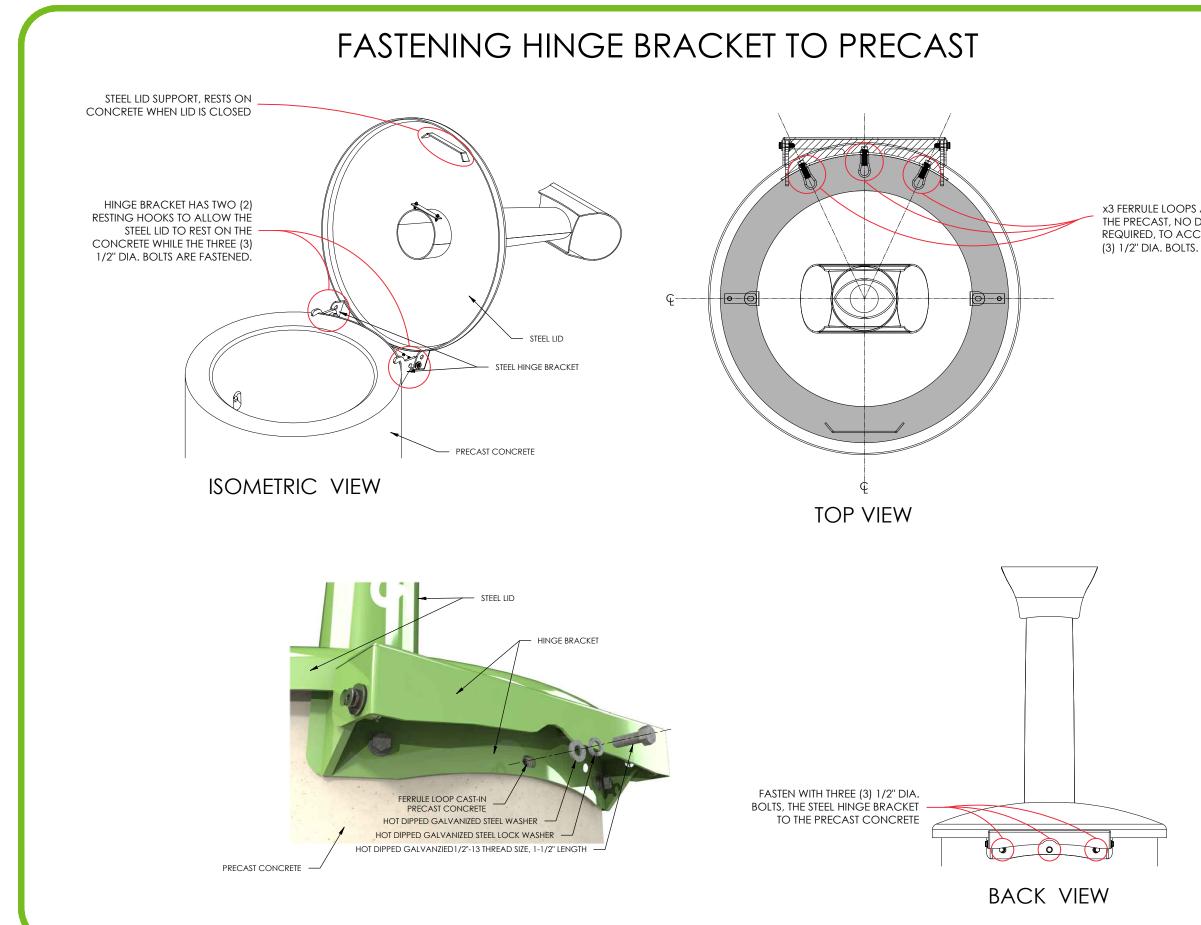


STEP No.4 - BACKFILL

- a. SUTERA UNITS OVERALL MASS EXCEEDS THE NATURAL FORCES OF HYDROSTATIC PRESSURE AND WILL NOT FLOAT OUT OF THE GROUND, NO EXTRA MEASURES ARE REQUIRED TO KEEP IT IN THE GROUND.
- b. BACKFILL WITH NATIVE MATERIAL (EXCAVATED MATERIAL MAY BE USED IF SUITABLE).
- c. COMPACT IN SMALL LAYERS TO ACHIEVE 95% PROCTOR.
- d. DO NOT ALLOW DEBRIS OR WATER TO ENTER THE OPEN CONCRETE WELL, KEEP CLEAN AND DRY.

NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

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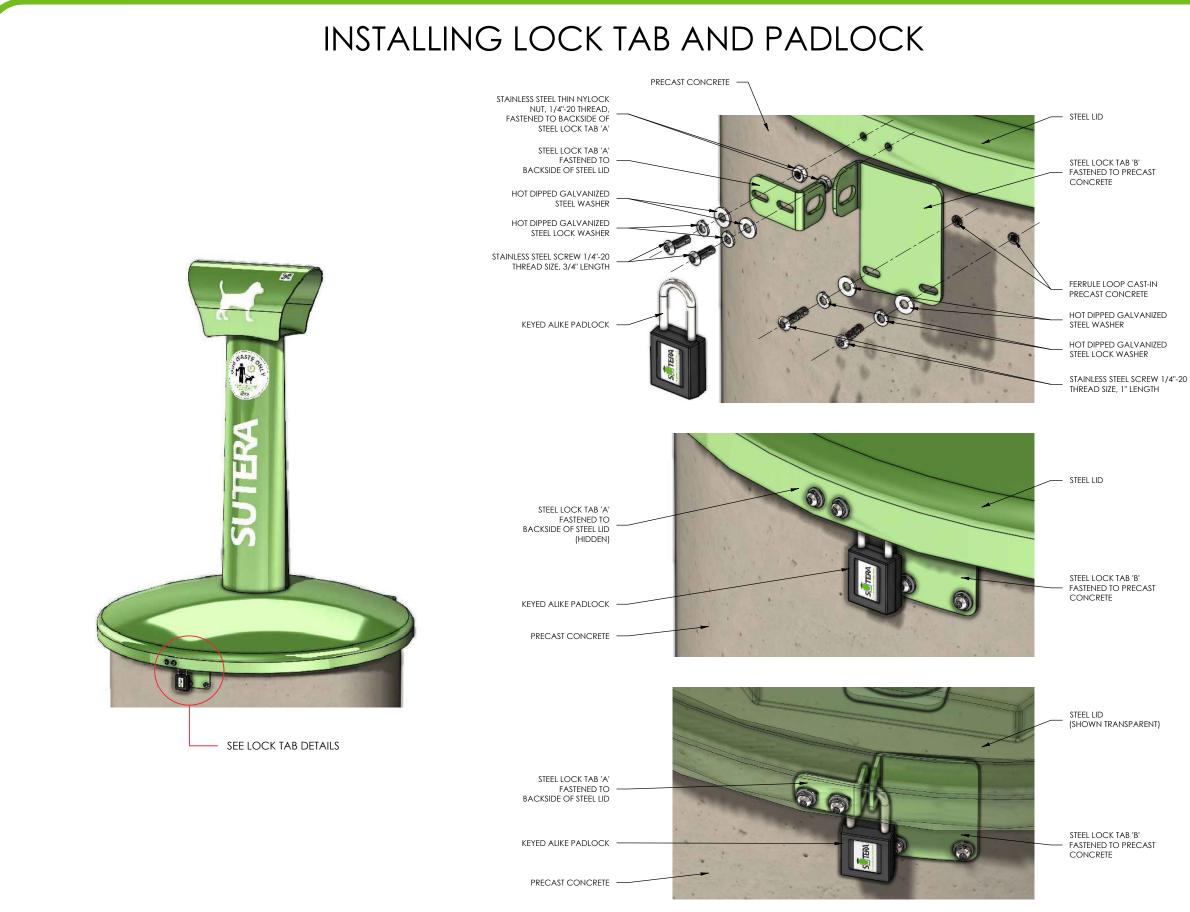
INSTALLATION INSTRUCTIONS



STEP No.5 - FASTENING HINGE BRACKET TO PRECAST.

- a. REST STEEL LID ON TOP OF PRECAST CONCRETE, ALIGNING THE THREE (3) HOLES LOCATED ON THE HINGE BRACKET WITH THE THREE (3) FERRULE LOOPS CAST INTO THE CONCRETE.
- b. STEEL LID SUPPORT AND HINGE BRACKET HOOKS ALLOW LID TO SIT CORRECTLY ON PRECAST CONCRETE.
- c. FASTENED STEEL LID TO PRECAST USING THREE (3) 1/2" DIA. BOLTS, LOCK WASHERS AND WASHERS AS SHOWN.

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INSTALLATION INSTRUCTIONS

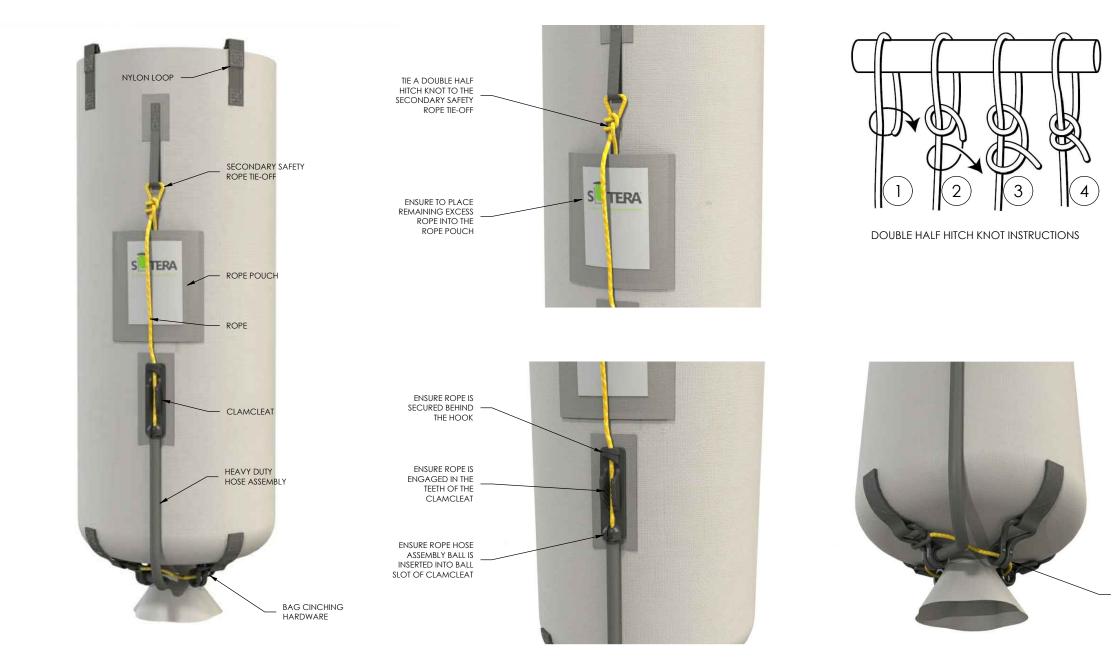


STEP No.6 - INSTALLING LOCK TABS AND PADLOCK.

- a. LOCK TAB 'A' COMES PRE-ASSEMBLED AND FASTENED TO THE BACKSIDE OF THE STEEL LID. ADJUSTMENT CAN BE MADE IF NECESSARY BY UTILIZING THE SLOTTED HOLES.
- b. INSTALL LOCK TAB 'B' AS SHOWN ALONG WITH THE SUPPLIED AND SPECIFIED FASTENERS. ADJUSTMENT CAN BE MADE IF NECESSARY BY UTILIZING THE SLOTTED HOLES.
- c. ENSURE PROPER CLEARANCE IS PROVIDED BETWEEN BOTH LOCK TABS WHEN LID IS OPENED AND CLOSED.
- d. INSTALL KEYED ALIKE PAD LOCK.

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BAG HARDWARE AND CINCHING BAG CLOSED







INSTALLATION INSTRUCTIONS



STEP No.7 - BAG HARDWARE AND CINCHING BAG CLOSED

- a. PULL ROPE TIGHTLY THROUGH THE HEAVY DUTY HOSE ASSEMBLY.
- b. INSERT ROPE HOSE ASSEMBLY BALL INTO BALL SLOT OF CLAMCLEAT.
- c. ENSURE ROPE IS ENGAGED INTO THE TEETH OF THE CLAMCLEAT.
- d. FASTEN ROPE BEHIND THE CLAMCLEAT HOOK.

*THE ABOVE STEPS WILL CINCH THE BOTTOM OF THE BAG CLOSED.

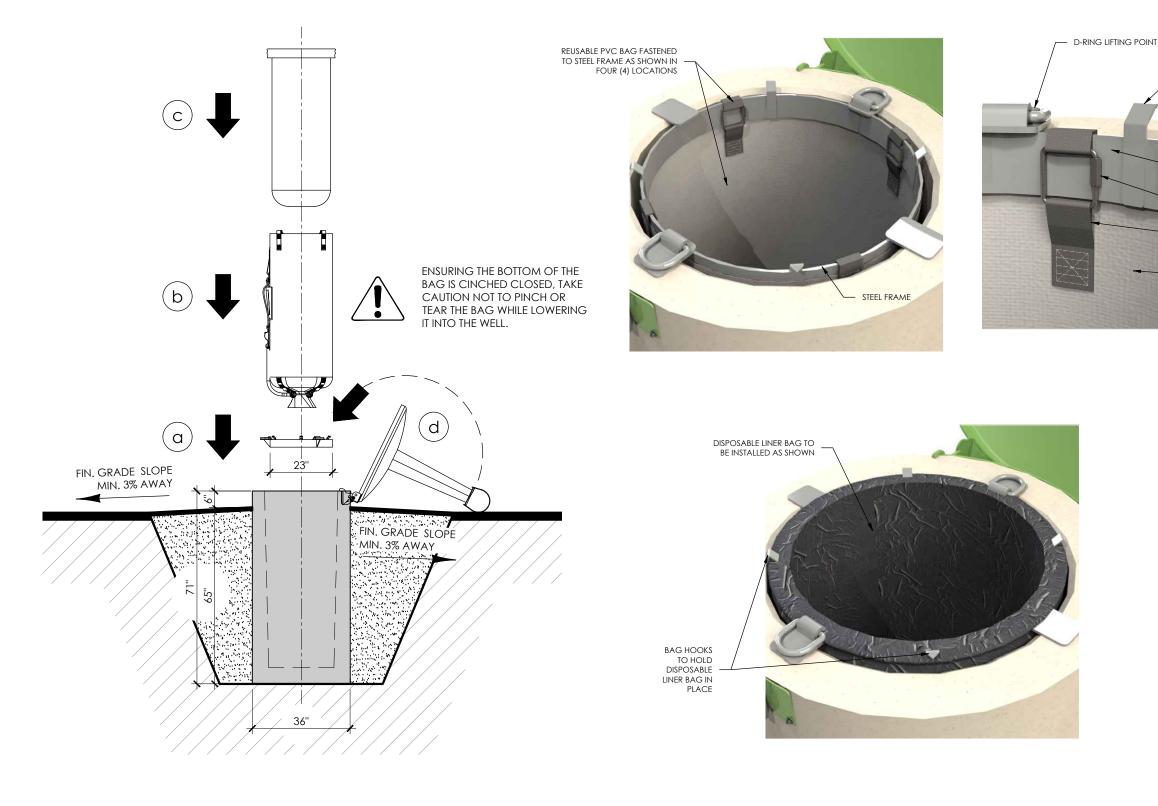
- e. PULLING THE ROPE TIGHT, TIE A DOUBLE HALF HITCH KNOT TO THE SECONDARY SAFETY ROPE TIE-OFF.
- f. NEATLY PLACE THE REMAINING ROPE INTO THE ROPE POUCH.

WHEN THE ROPE IS PULLED TIGHT AND SECURED IN THE CLAMCLEAT, THE BOTTOM OF THE BAG IS CINCHED CLOSED

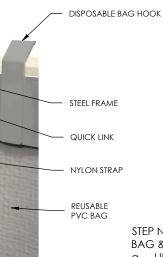
> NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

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INSTALLING STEEL FRAME, PVC BAG & LINER BAG









INSTRUCTIONS



STEP No.8 - INSTALLING STEEL FRAME, PVC BAG & LINER BAG

- a. LIFT STEEL FRAME AND LOWER INSIDE THE PRECAST CONCRETE, NOTE THE STEEL FRAME WILL REST ON THE TOP OF THE PRECAST WALL. STEEL FRAME WEIGHT = 60 lbs. (27 kg.)
- b. ENSURE PVC BAG IS CINCHED CLOSED AT THE BOTTOM AS PER STEP 7 ON PREVIOUS PAGE. LOWER BAG INTO THE PRECAST WELL PLACING IT ON THE OUTSIDE OF THE ROUND STEEL FRAME. LOOP THE NYLON STRAPS OVER THE ROUND STEEL FRAME AND FASTEN WITH QUICK LINKS IN FOUR (4) LOCATIONS. PVC BAG WEIGHT = 10 lbs. (5 kg.) EMPTY

CAUTION NOT TO PINCH OR TEAR THE BAG WHILE LOWERING IT INTO THE WELL.

- c. INSERT DISPOSABLE BLACK LINER BAG AS SHOWN, LOOPING OVER THE SQUARE STEEL FRAME AND PIERCING THE LINER BAG IN SIX (6) LOCATIONS TO HOLD IN PLACE.
- d. CLOSE LARGE STEEL LID BY HINGING SHUT, SLIDE LOCK PIN AND INSTALL PADLOCK.

pg. 9 of 9



ENSURE THE FOLLOWING IS DONE PRIOR TO COMPLETION:

ENSURE ALL DEBRIS AND WASTE IS REMOVED CAUSED BY INSTALLATION.

• WIPE CLEAN ENTIRE UNIT WITH CLEAN RAG AND MILD DETERGENT.

SPRAY ALL EXPOSED STEEL WITH KROWN RUST PROOFING & LUBRICANT. DO NOT WIPE OFF IMMEDIATELY, ALLOW TO PENETRATE FOR 24 HRS.
SPRAY ALL MOVING COMPONENTS, KEY HOLE AND PIANO HINGE WITH WHITE LITHIUM GREASE.

INSTALLATION IS COMPLETE