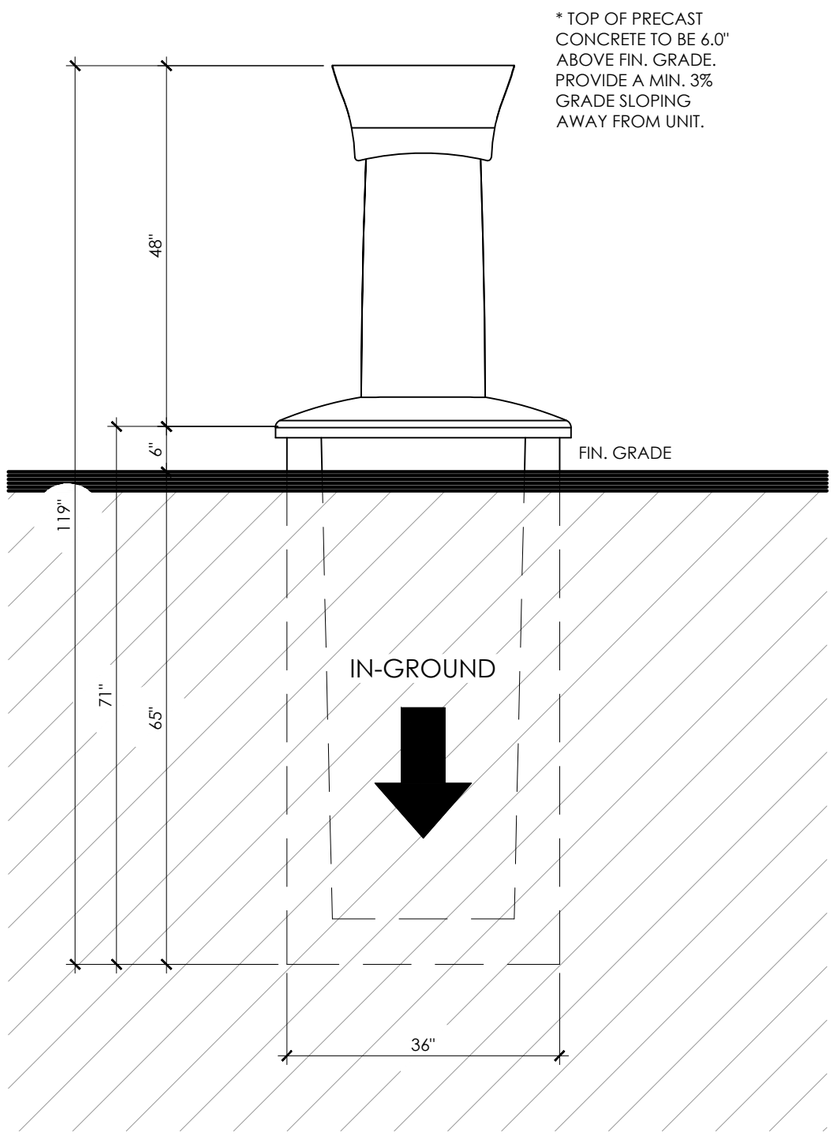
INSTALLATION INSTRUCTIONS FOR SUTERA PRS-1

DOG WASTE STEEL LID 1 cu.yd. CONTAINMENT CAPACITY



INSTALLATION INSTRUCTIONS

PRS-1

INSTALLATION INSTRUCTIONS

REQUIRED TOOLS, EQUIPMENT, MACHINERY:

- EXCAVATOR
- DUMP TRUCK
- JUMPING JACK, PLATE COMPACTOR
- BUILDERS LEVEL
- STORY ROD
- HAND LEVEL (6ft.)
- LASER LEVEL
- TAPE MEASURE
- HAND SHOVEL
- HAND RAKE
- LIFTING STRAPS FOR PRECAST CONCRETE AND STEEL LID
- HAMMER DRILL

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)

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 PRS-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.
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.

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.

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.
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.

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.

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

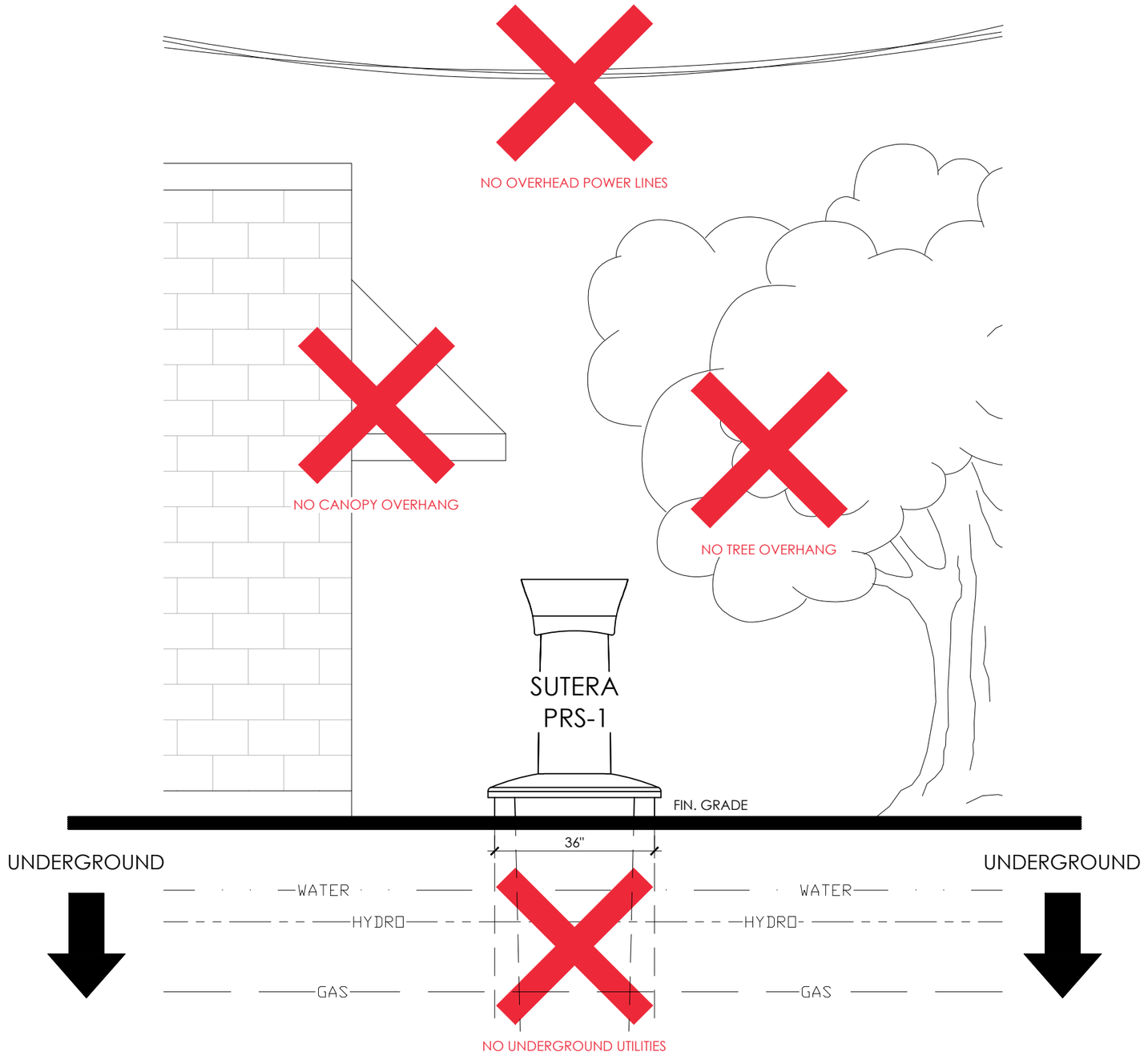
CAUTION NOT TO PINCH OR TEAR THE BAG WHILE LOWERING IT INTO THE WELL.

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

NOTE:
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

DETERMINE SITE LOCATION



STEP No.1

SUTERA™

INSTALLATION INSTRUCTIONS

PRS-1

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)

NOTE:
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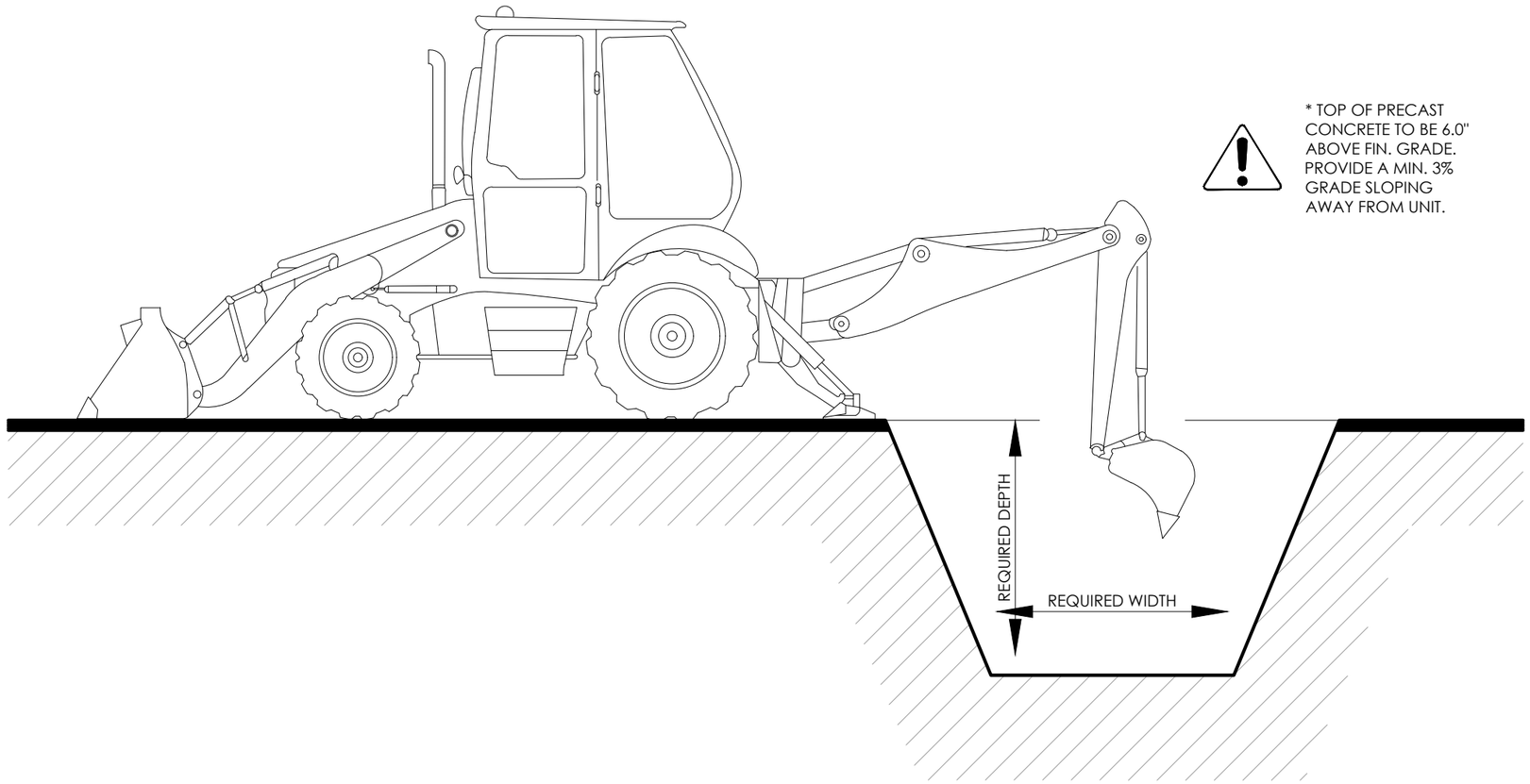
EXCAVATION

STEP No.2



* TOP OF PRECAST CONCRETE TO BE 6.0" ABOVE FIN. GRADE. PROVIDE A MIN. 3% GRADE SLOPING AWAY FROM UNIT.

INSTALLATION INSTRUCTIONS

PRS-1

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 PRS-1.

NOTE:
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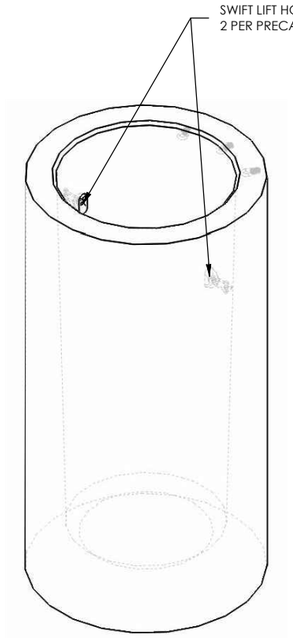
INSTALLATION OF PRECAST CONCRETE

STEP No.3

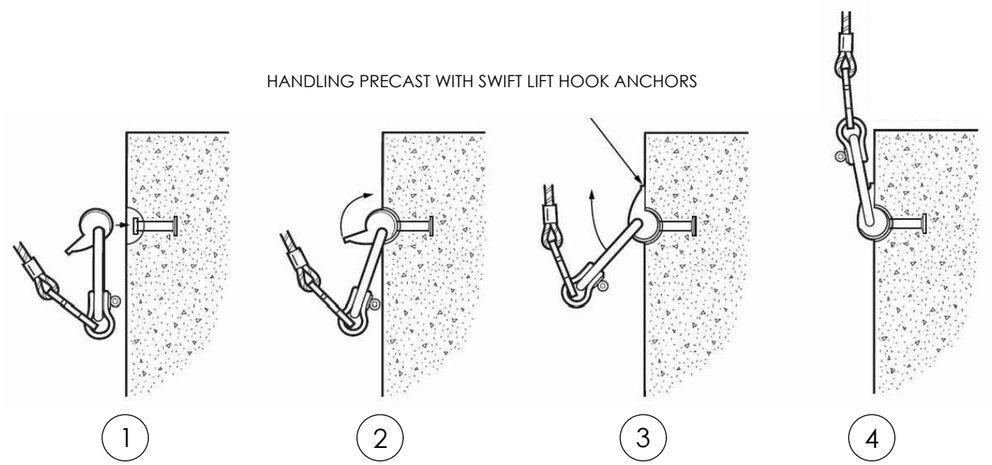
SUTERA™

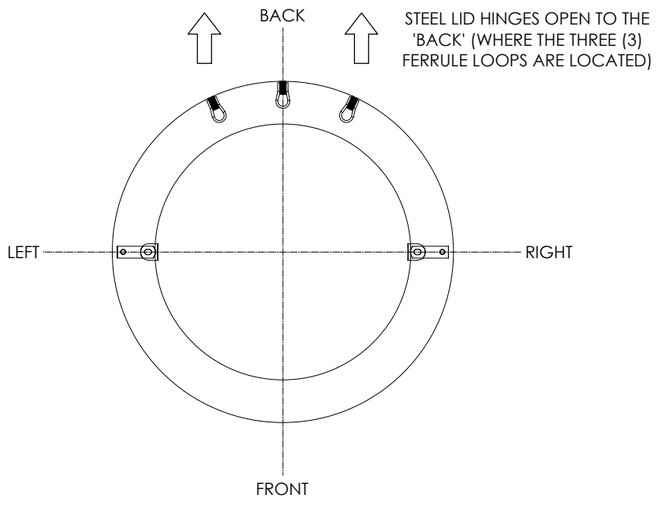
INSTALLATION INSTRUCTIONS

PRS-1

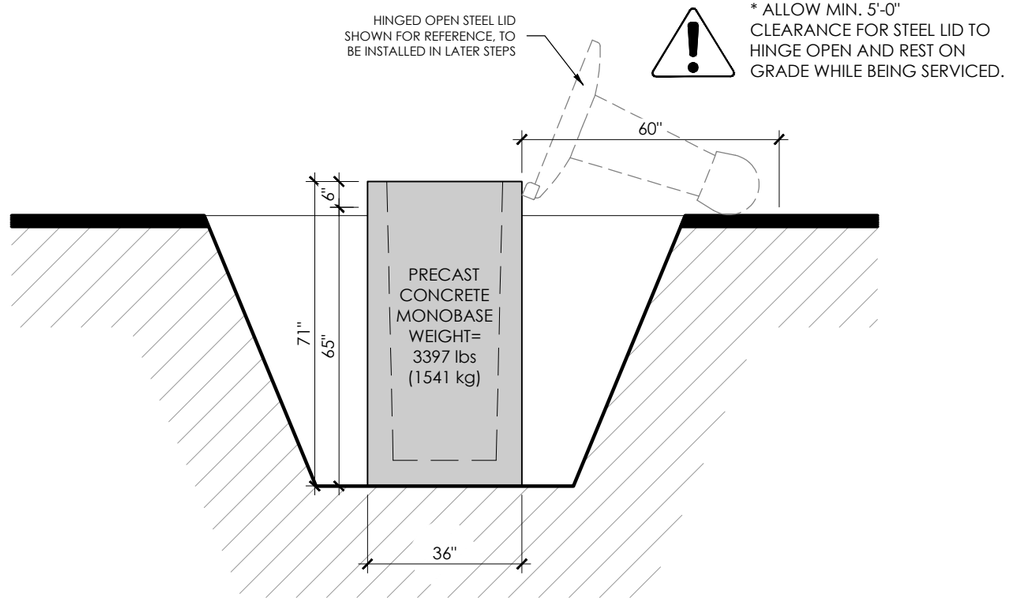


HANDLING PRECAST WITH SWIFT LIFT HOOK ANCHORS





TOP VIEW



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.

NOTE:
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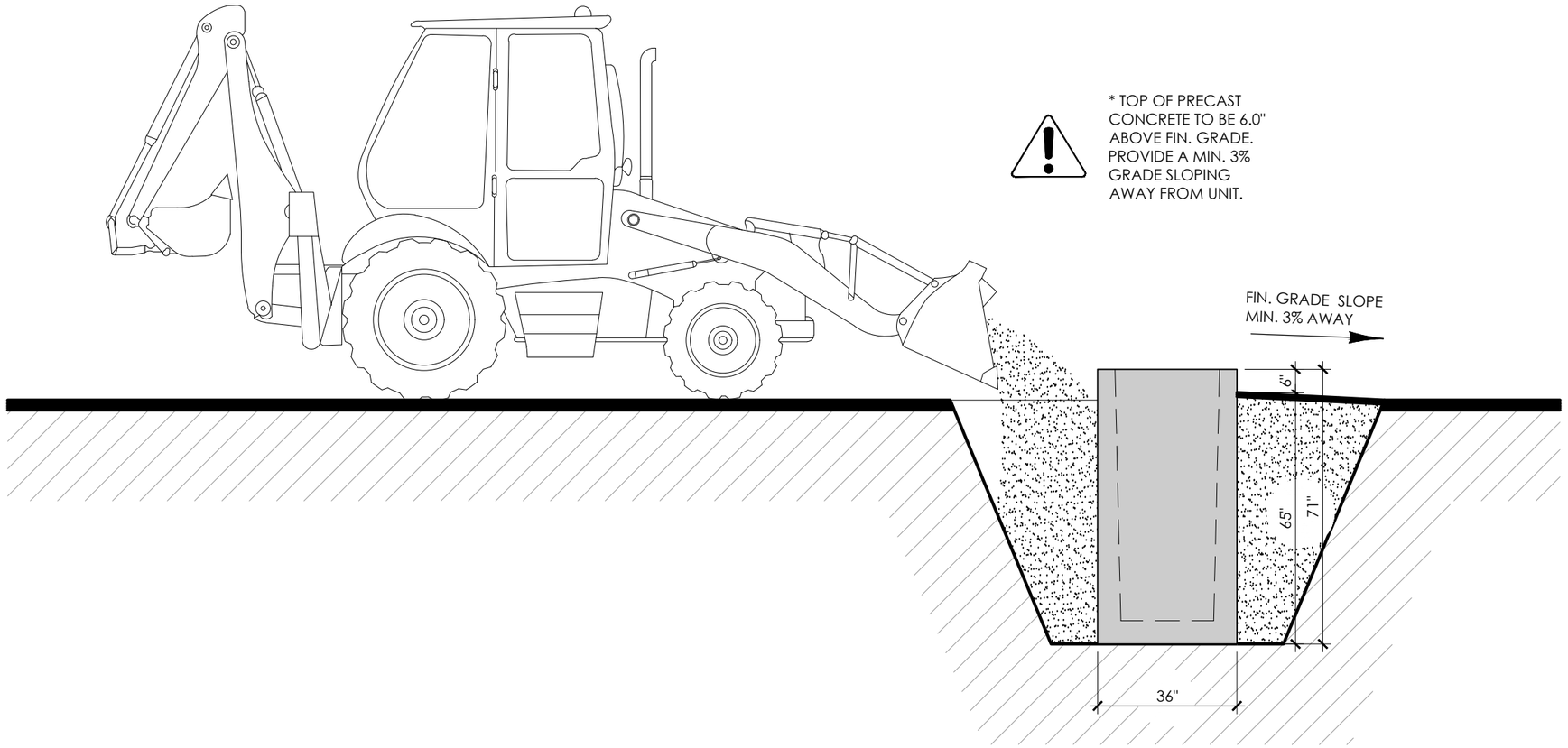
BACKFILL

STEP No.4

SUTERA™

INSTALLATION INSTRUCTIONS

PRS-1



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:
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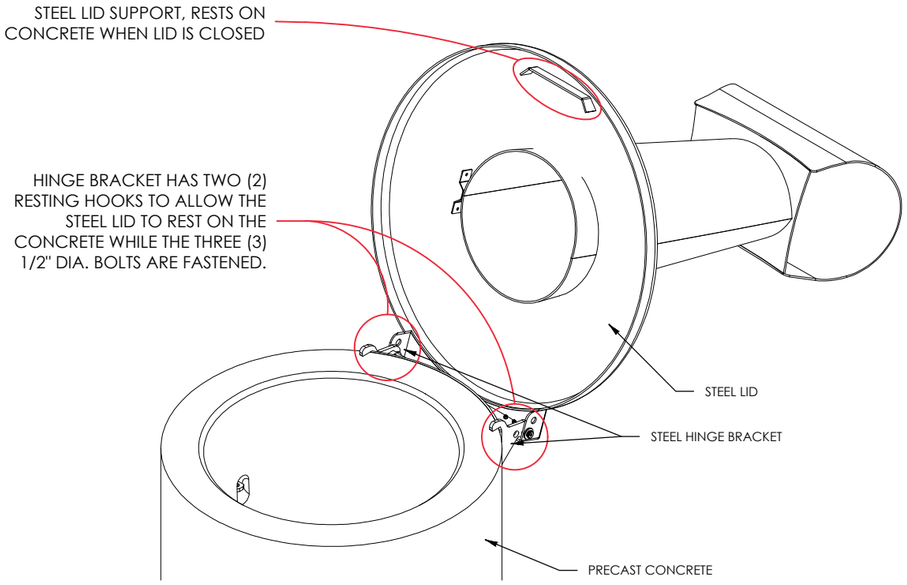
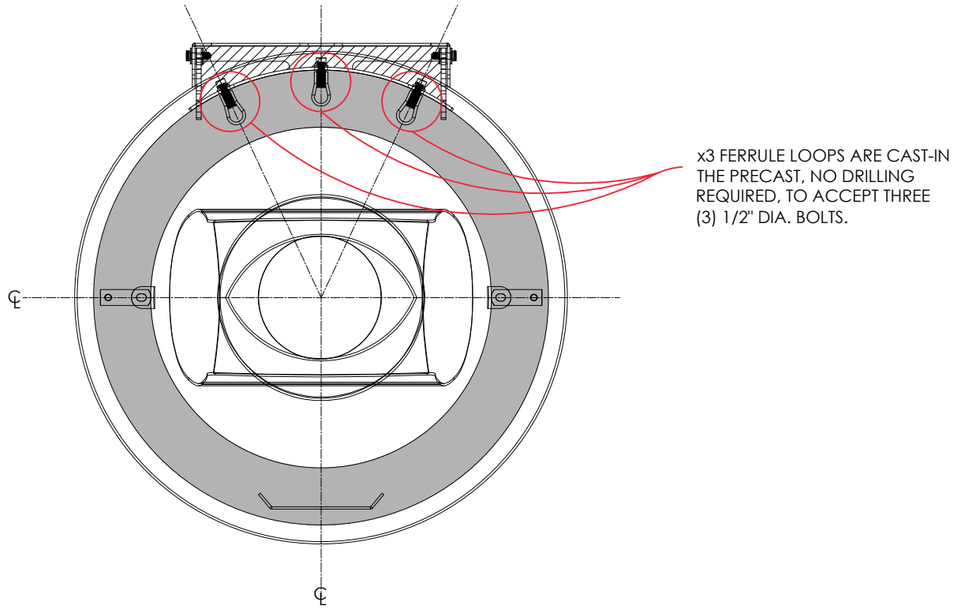
FASTENING HINGE BRACKET TO PRECAST

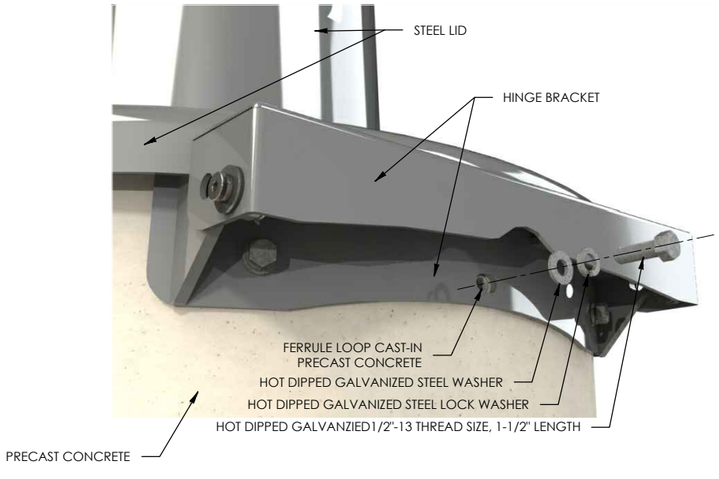
STEP No.5

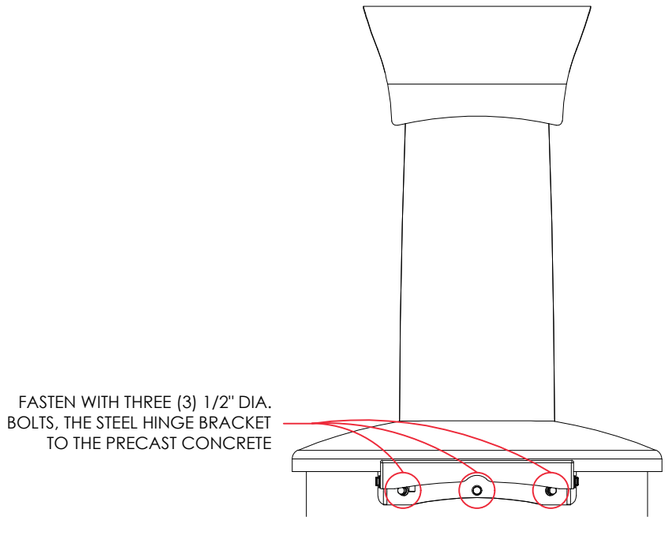


ISOMETRIC VIEW



TOP VIEW





BACK VIEW

INSTALLATION INSTRUCTIONS

PRS-1

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.

NOTE:
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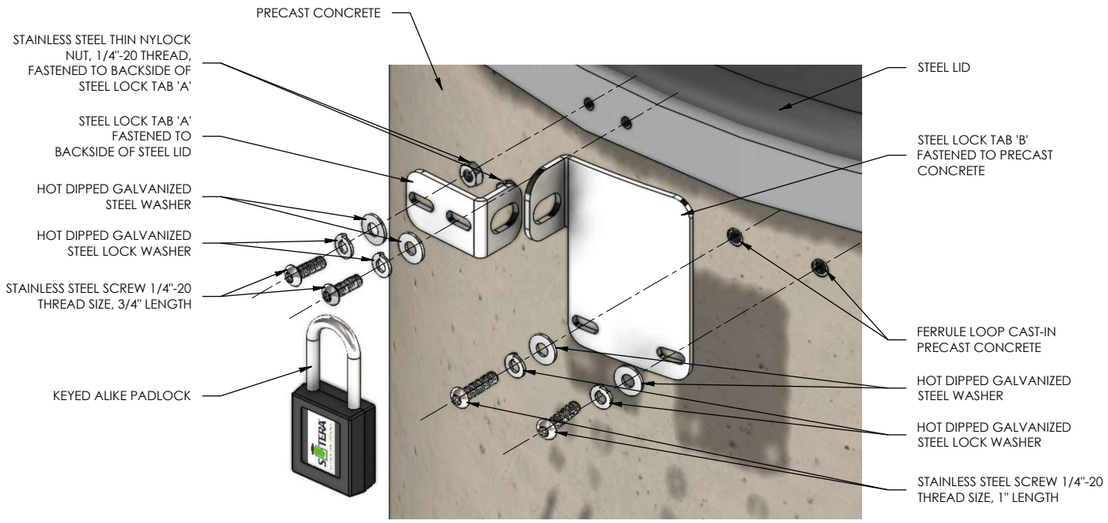
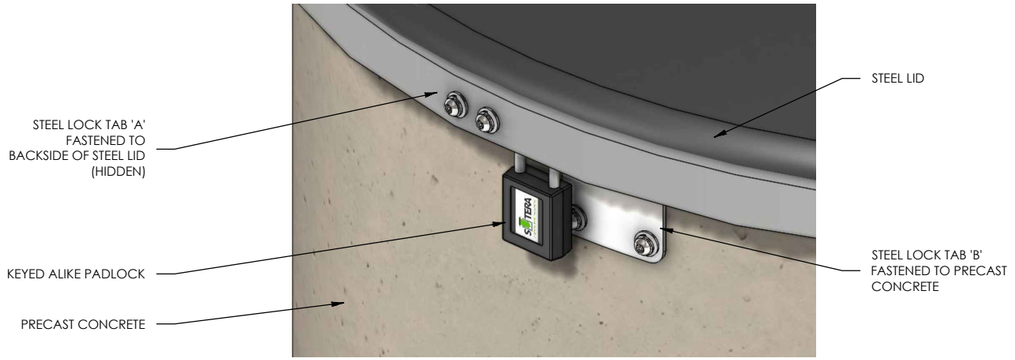
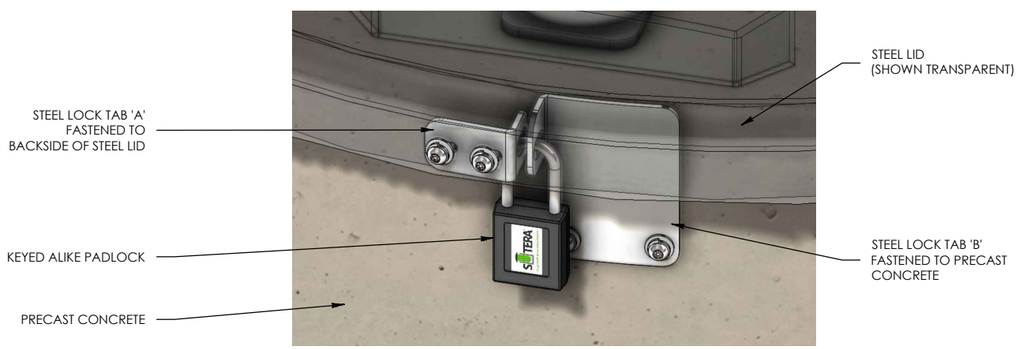
INSTALLING LOCK TAB AND PADLOCK

STEP No.6

SEE LOCK TAB DETAILS







INSTALLATION INSTRUCTIONS

PRS-1

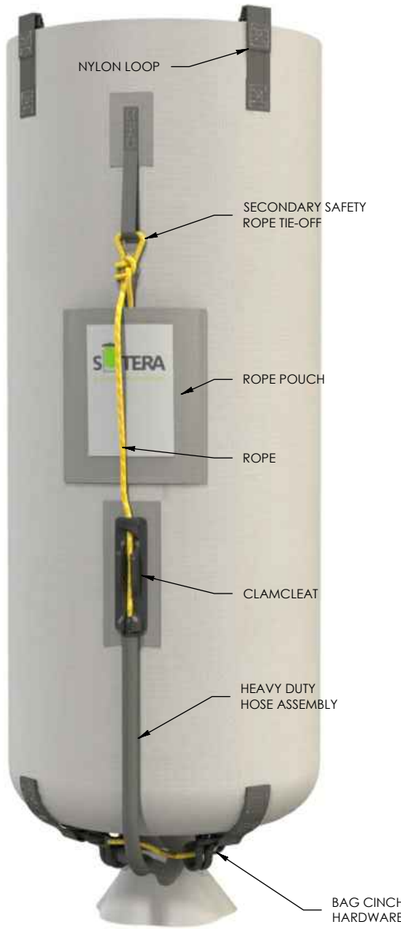
STEP No.6 - INSTALLING LOCK TABS AND PADLOCK.

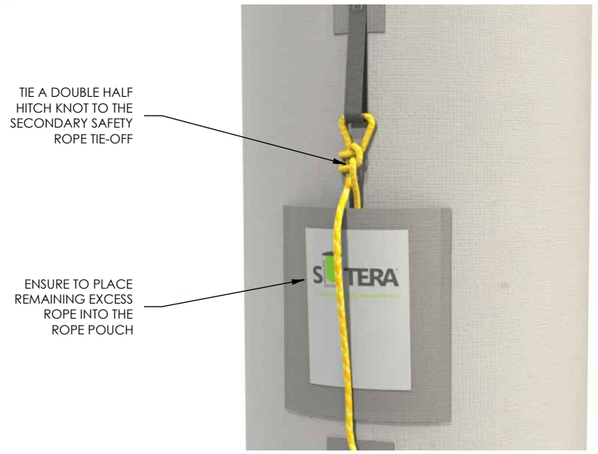
a. LOCK TAB 'A' COMES PRE-ASSEMBLED AND FASTENED TO THE BACKSIDE OF THE STEEL LID. ADJUSTMENT CAN BE MADE IF NECESSARY BY UTILIZING THE SLOTTED HOLES.
b. INSTALL LOCK TAB 'B' AS SHOWN ALONG WITH THE SUPPLIED AND SPECIFIED FASTENERS. ADJUSTMENT CAN BE MADE IF NECESSARY BY UTILIZING THE SLOTTED HOLES.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

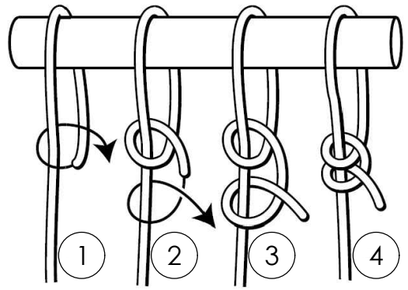
NOTE:
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

BAG HARDWARE AND CINCHING BAG CLOSED

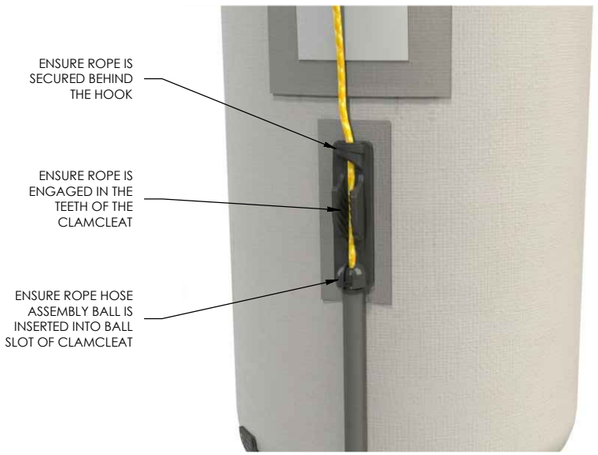
STEP No.7

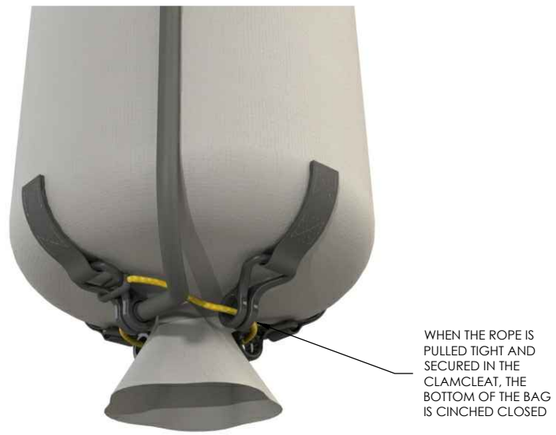






DOUBLE HALF HITCH KNOT INSTRUCTIONS





INSTALLATION INSTRUCTIONS

PRS-1

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.

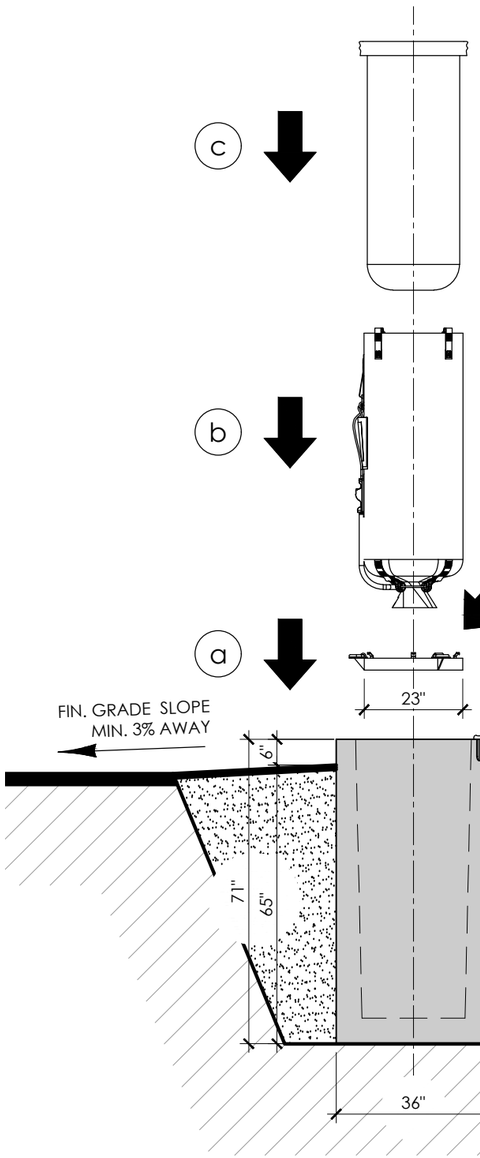
*THE ABOVE STEPS WILL CINCH THE BOTTOM OF THE BAG CLOSED.

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.

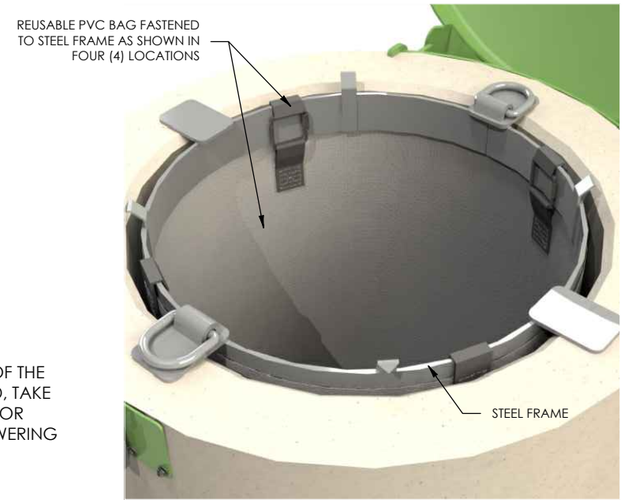
NOTE:
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

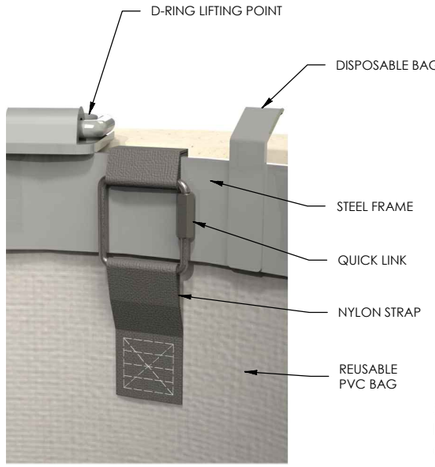
INSTALLING STEEL FRAME, PVC BAG & LINER BAG

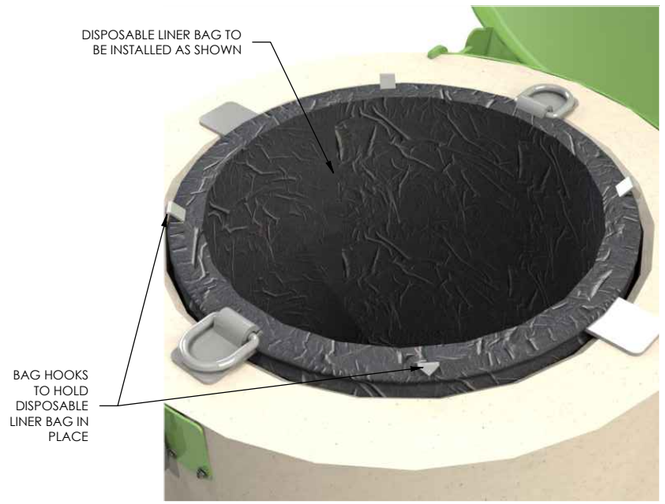
STEP No.8



ENSURING THE BOTTOM OF THE BAG IS CINCHED CLOSED, TAKE CAUTION NOT TO PINCH OR TEAR THE BAG WHILE LOWERING IT INTO THE WELL.







SUTERA™

INSTALLATION INSTRUCTIONS

PRS-1

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.

NOTE:
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

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