



INSTALLATION INSTRUCTIONS FOR SUTERA PRS-1

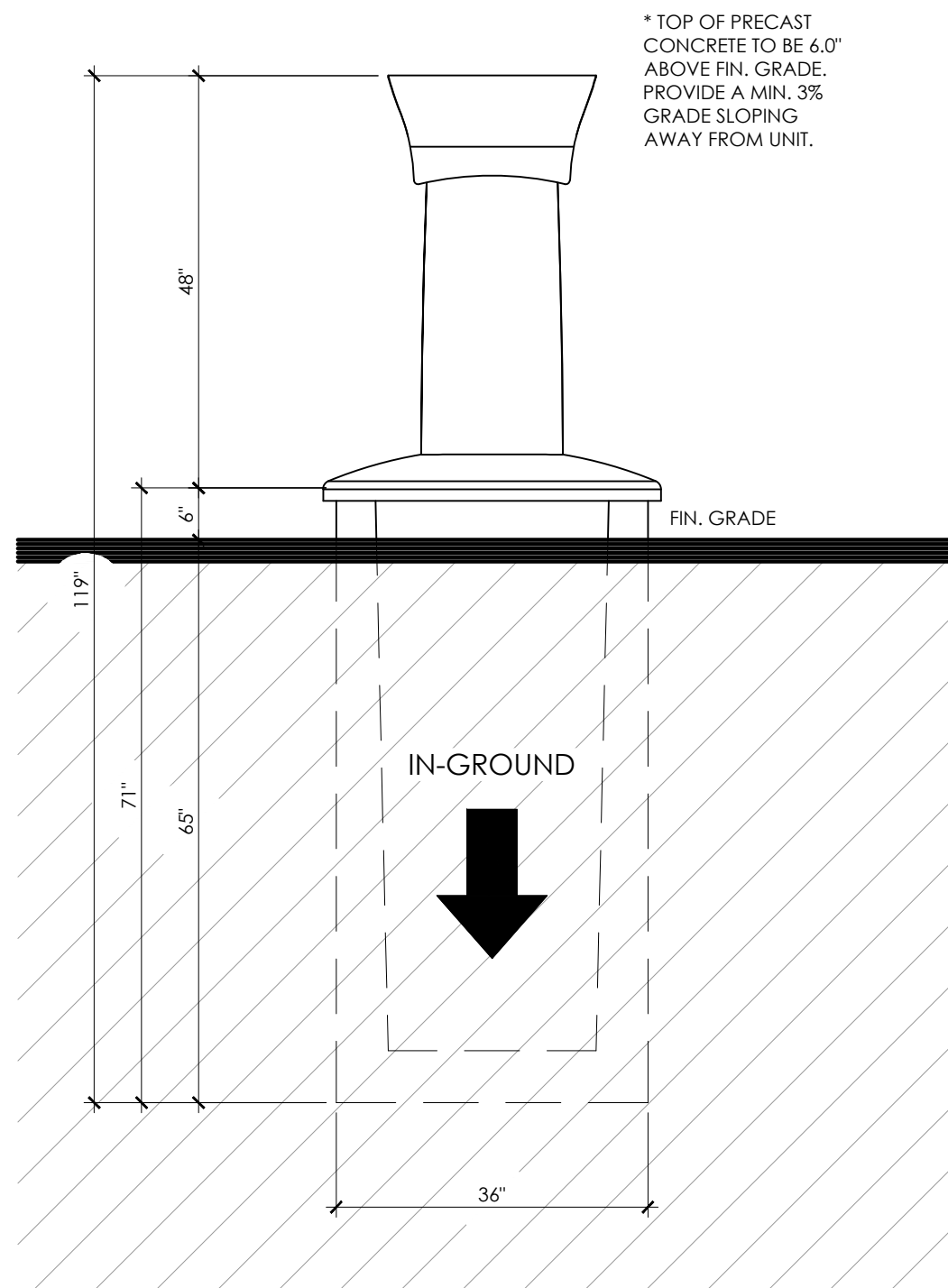
DOG WASTE STEEL LID 1 cu.yd. CONTAINMENT CAPACITY





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

- NO OVERHEAD POWER LINES
- NO TREE OVERHANG
- NO CANOPY OVERHANG
- HAVE A SITE UTILITY LOCATE (UNDERGROUND) CONDUCTED WITHIN AREA OF PROPOSED INSTALLATION
- BE WITHIN REACH OF SERVICE CRANE TRUCK
- 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.
- EXCAVATE TO THE REQUIRE WIDTH AND DEPTH.
- LEVEL AND COMPACT THE BASE OF EXCAVATION.
- APPROX. 1.4 cu.yds. OF MATERIAL TO BE REMOVED FROM SITE PER SUTERA PRS-1.

STEP No.3 - INSTALLATION OF PRECAST CONCRETE

- 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 THE PRECAST.
- USING SWIFT LIFT HOOK ANCHORS, 2 PER PRECAST UNIT, LIFT THE PRECAST MONOBASE AND SET INTO PLACE, ENSURE LEVEL, BOTH HORIZ. AND VERT.
- ENSURE TOP OF PRECAST IS 6.0" ABOVE FINISHED GRADE, PROVIDE A MIN. 3% GRADE SLOPING AWAY FROM UNIT.
- DO NOT ALLOW DEBRIS OR WATER TO ENTER THE OPEN CONCRETE WELL, KEEP CLEAN AND DRY.

STEP No.4 - BACKFILL

- 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.
- BACKFILL WITH NATIVE MATERIAL (EXCAVATED MATERIAL MAY BE USED IF SUITABLE).
- COMPACT IN SMALL LAYERS TO ACHIEVE 95% PROCTOR.
- DO NOT ALLOW DEBRIS OR WATER TO ENTER THE OPEN CONCRETE WELL, KEEP CLEAN AND DRY.

STEP No.5 - FASTENING HINGE BRACKET TO PRECAST.

- 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.
- STEEL LID SUPPORT AND HINGE BRACKET HOOKS ALLOW LID TO SIT CORRECTLY ON PRECAST CONCRETE.
- FASTENED STEEL LID TO PRECAST USING THREE (3) 1/2" DIA. BOLTS, LOCK WASHERS AND WASHERS AS SHOWN.

STEP No.6 - INSTALLING SLIDE PIN AND PADLOCK.

- SLIDE PIN SLIDES BACK AND FORTH TO ALLOW LOCKING AND UNLOCKING OF THE HINGED STEEL LID.
- REMOVE PADLOCK AND SLIDE PIN BACK TO ALLOW THE STEEL LID TO HINGE OPEN FOR SERVICING.
- REVERSE TO LOCK.

STEP No.7 - BAG HARDWARE AND CINCHING BAG CLOSED

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

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

- 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.

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

- 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.)
- 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.

- 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.
- 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

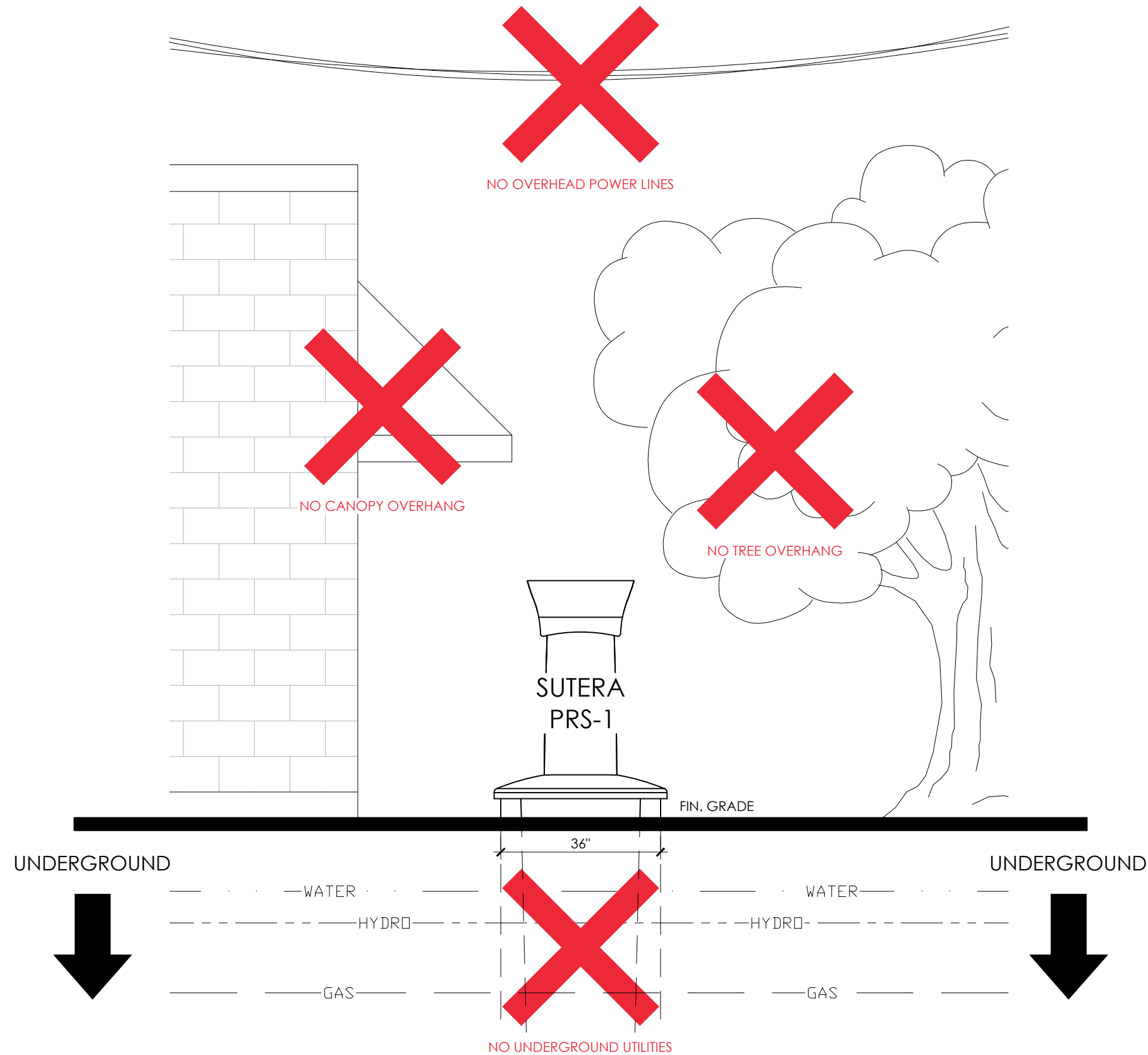
STEP No.1



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)



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EXCAVATION

STEP No.2



INSTALLATION
INSTRUCTIONS

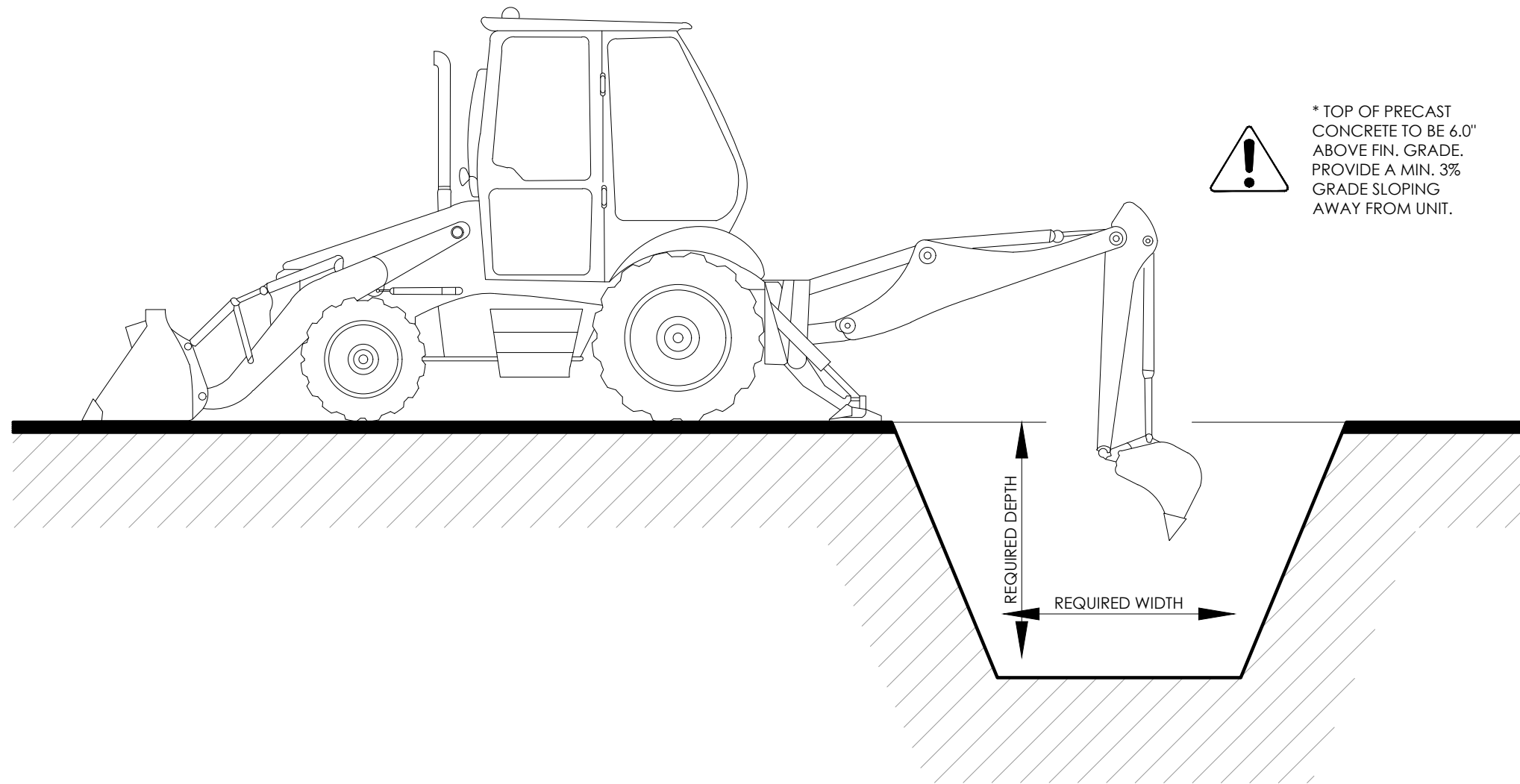
PRS-1

STEP No.2 - EXCAVATION

- TOP OF PRECAST TO BE 6.0" ABOVE FINISHED GRADE. PROVIDE A MIN. 3% GRADE SLOPING AWAY FROM UNIT.
- EXCAVATE TO THE REQUIRED WIDTH AND DEPTH.
- LEVEL AND COMPACT THE BASE OF EXCAVATION.
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* TOP OF PRECAST
CONCRETE TO BE 6.0"
ABOVE FIN. GRADE.
PROVIDE A MIN. 3%
GRADE SLOPING
AWAY FROM UNIT.

INSTALLATION OF PRECAST CONCRETE

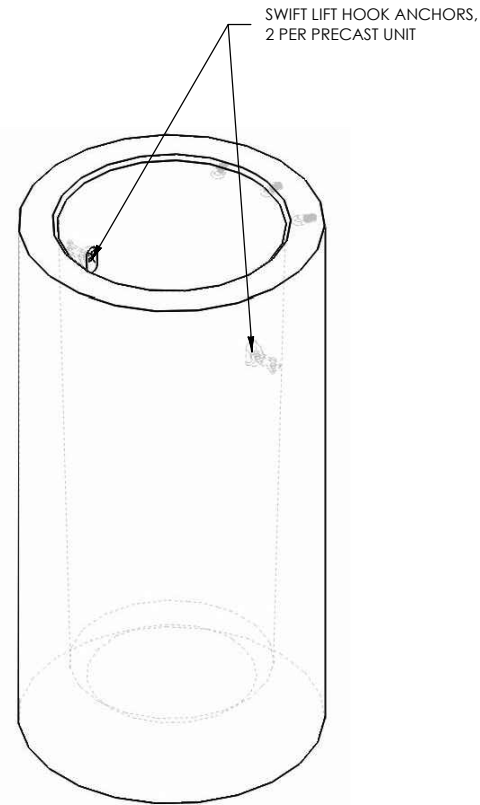
STEP No.3



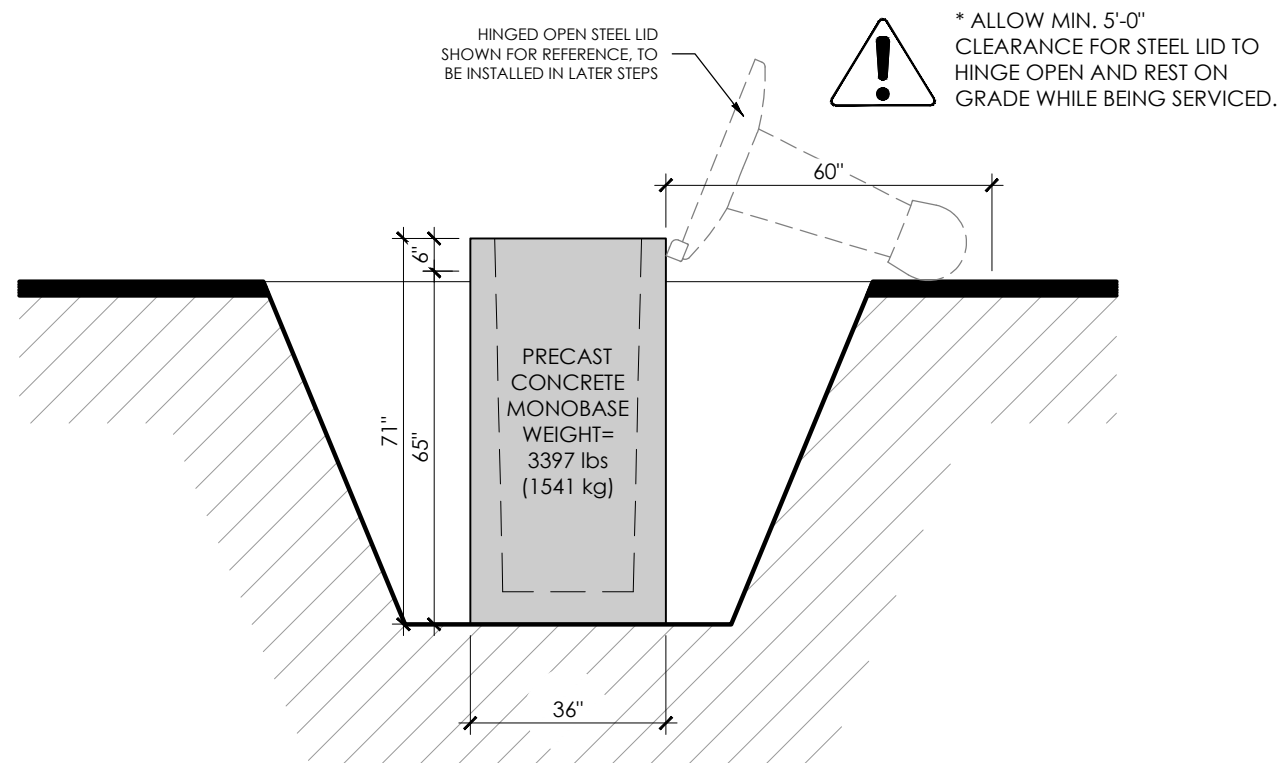
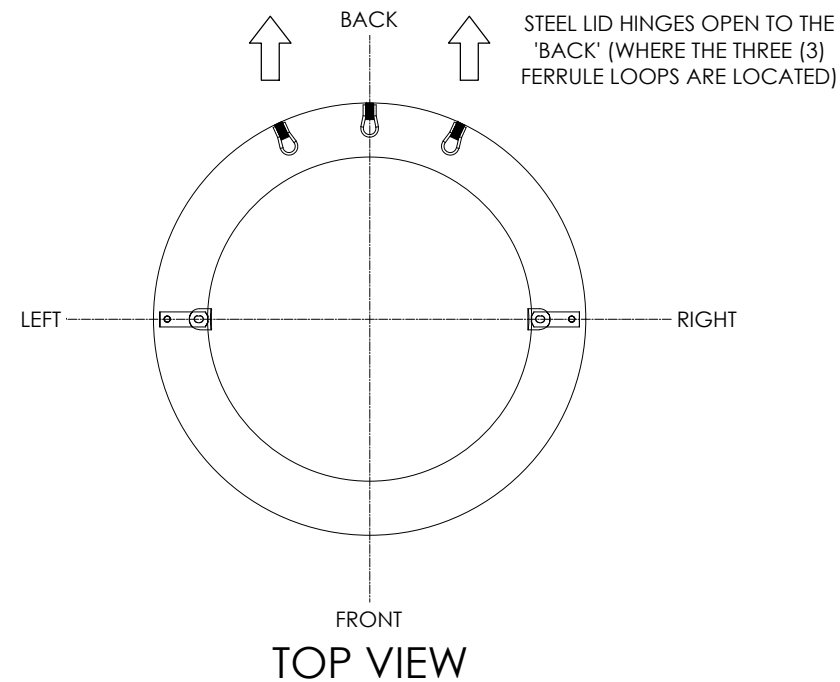
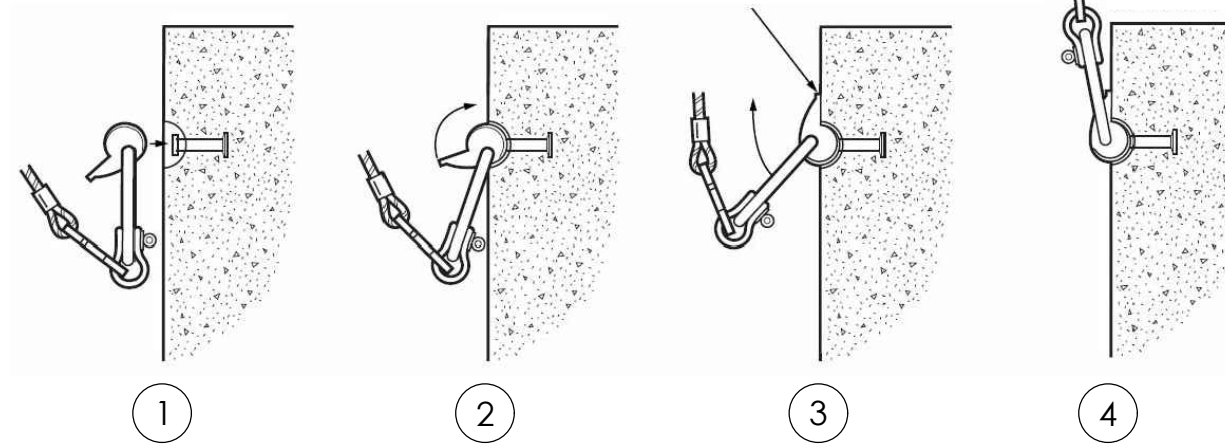
INSTALLATION INSTRUCTIONS

PRS-1

PRECAST CONCRETE MONOBASE WEIGHT= 3497 lbs (1541 kg)



HANDLING PRECAST WITH SWIFT LIFT HOOK ANCHORS



- STEP No.3 - INSTALLATION OF PRECAST CONCRETE
- 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 THE PRECAST.
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 - ENSURE TOP OF PRECAST IS 6.0" ABOVE FINISHED GRADE, PROVIDE A MIN. 3% GRADE SLOPING AWAY FROM UNIT.
 - DO NOT ALLOW DEBRIS OR WATER TO ENTER THE OPEN CONCRETE WELL, KEEP CLEAN AND DRY.

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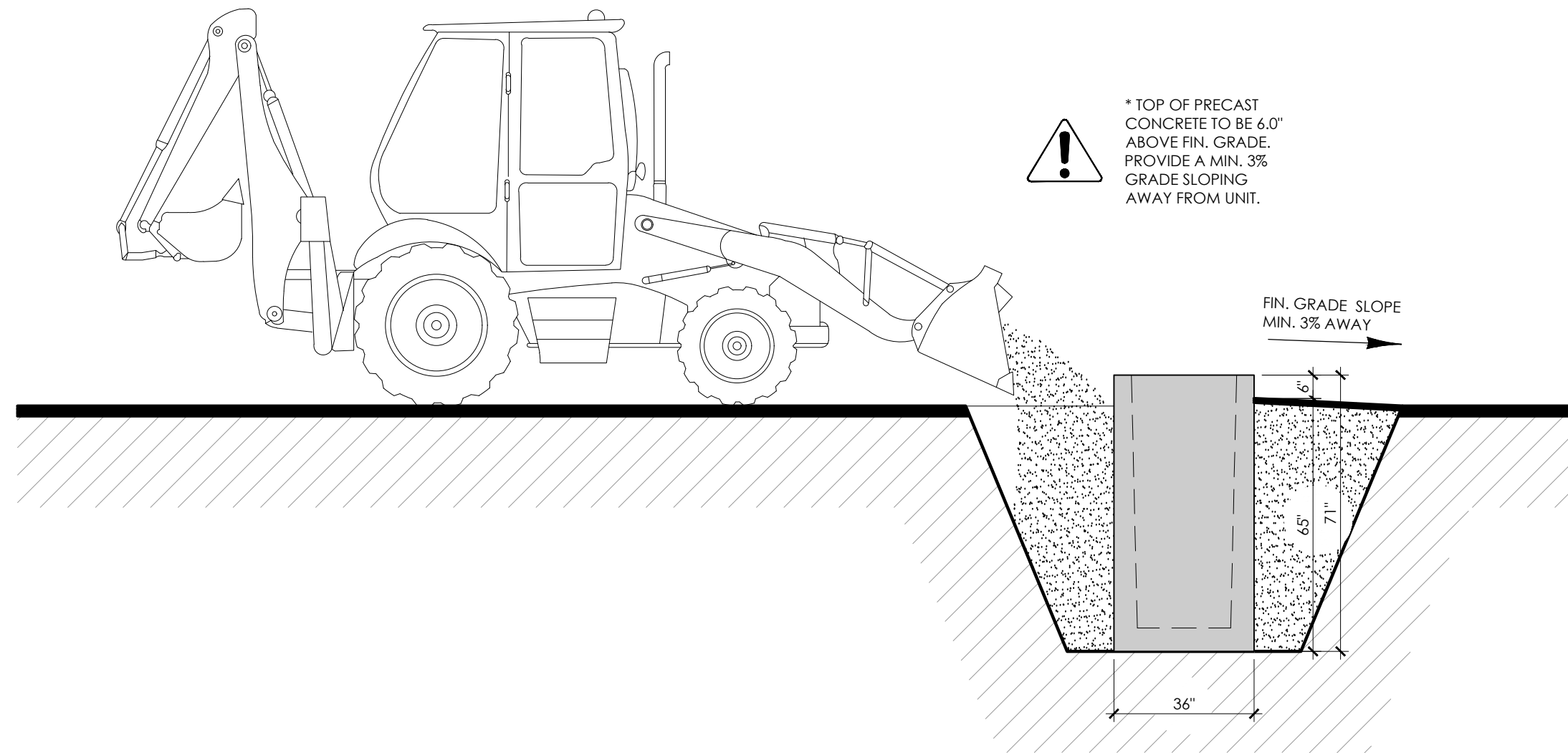
BACKFILL

STEP No.4



INSTALLATION INSTRUCTIONS

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STEP No.4 - BACKFILL

- 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.
- BACKFILL WITH NATIVE MATERIAL (EXCAVATED MATERIAL MAY BE USED IF SUITABLE).
- COMPACT IN SMALL LAYERS TO ACHIEVE 95% PROCTOR.
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FASTENING HINGE BRACKET TO PRECAST

STEP No.5

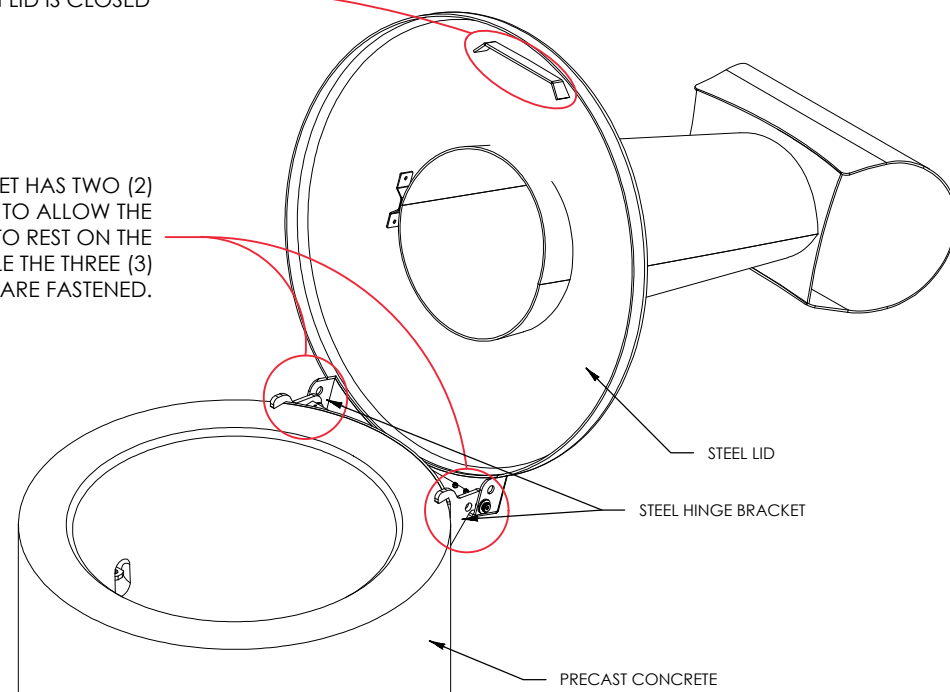


INSTALLATION INSTRUCTIONS

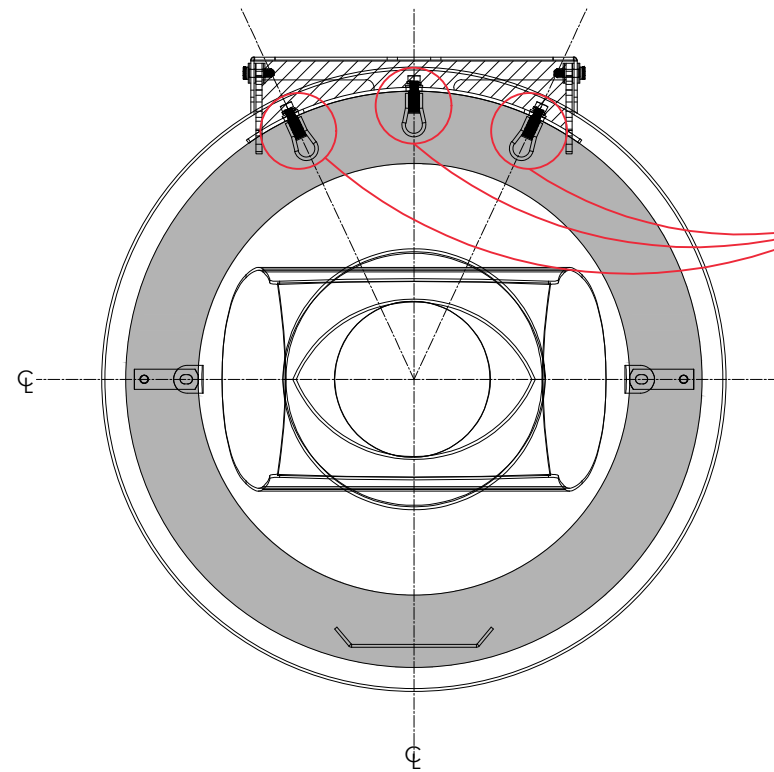
PRS-1

STEEL LID SUPPORT, RESTS ON CONCRETE WHEN LID IS CLOSED

HINGE BRACKET HAS TWO (2) RESTING HOOKS TO ALLOW THE STEEL LID TO REST ON THE CONCRETE WHILE THE THREE (3) 1/2" DIA. BOLTS ARE FASTENED.



ISOMETRIC VIEW

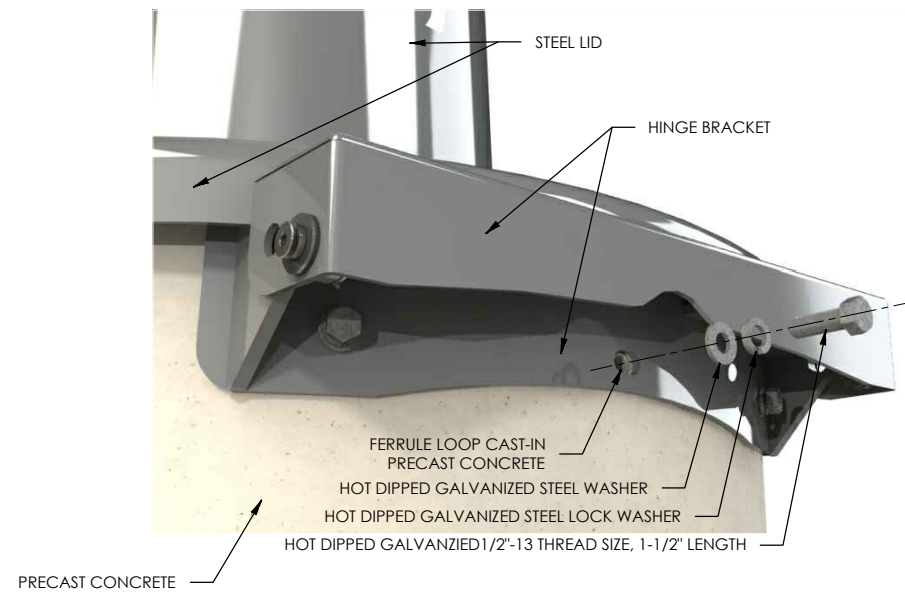


TOP VIEW

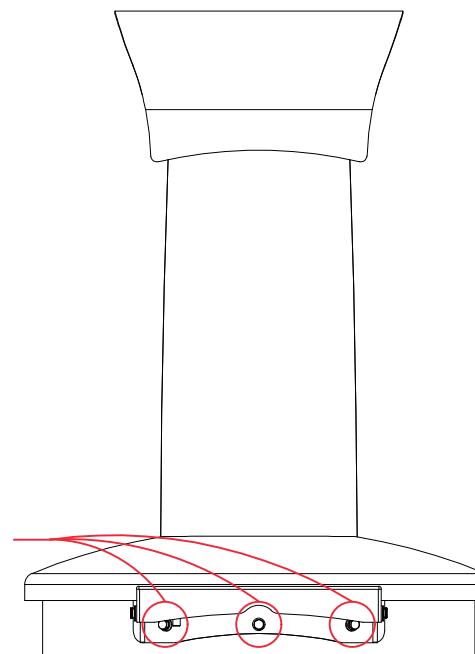
x3 FERRULE LOOPS ARE CAST-IN THE PRECAST, NO DRILLING REQUIRED, TO ACCEPT THREE (3) 1/2" DIA. BOLTS.

STEP No.5 - FASTENING HINGE BRACKET TO PRECAST.

- 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.
- STEEL LID SUPPORT AND HINGE BRACKET HOOKS ALLOW LID TO SIT CORRECTLY ON PRECAST CONCRETE.
- FASTENED STEEL LID TO PRECAST USING THREE (3) 1/2" DIA. BOLTS, LOCK WASHERS AND WASHERS AS SHOWN.



FASTEN WITH THREE (3) 1/2" DIA. BOLTS, THE STEEL HINGE BRACKET TO THE PRECAST CONCRETE



BACK VIEW

NOTE:
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INSTALLING SLIDE PIN AND PADLOCK

STEP No.6

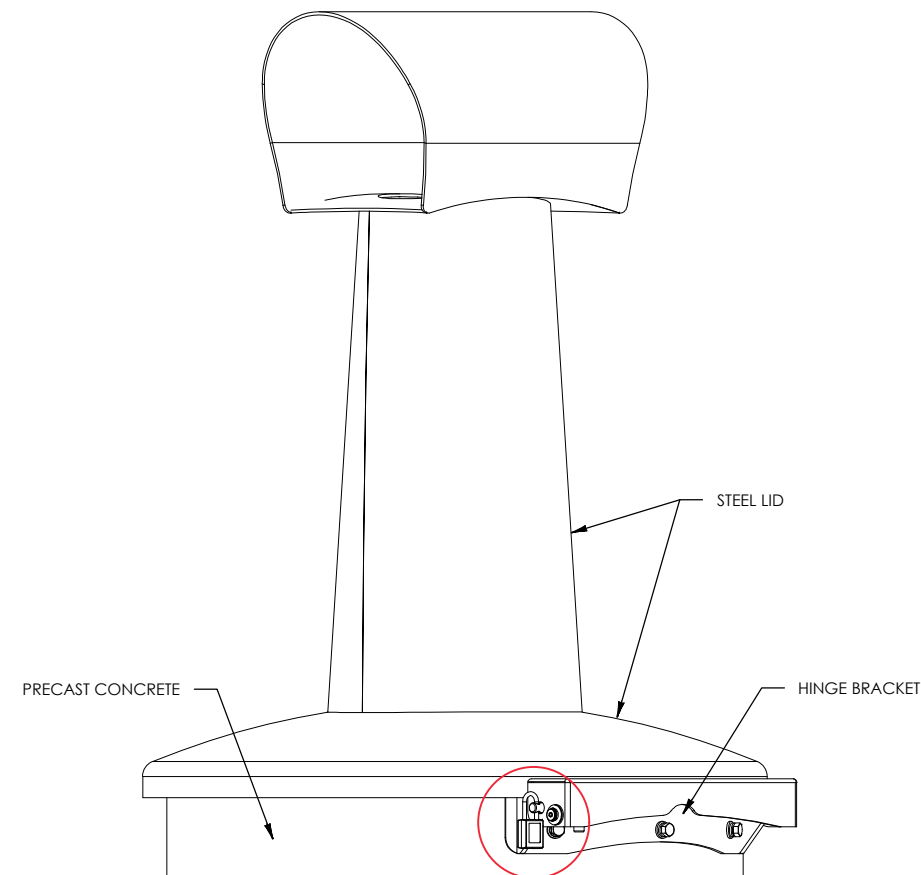


INSTALLATION
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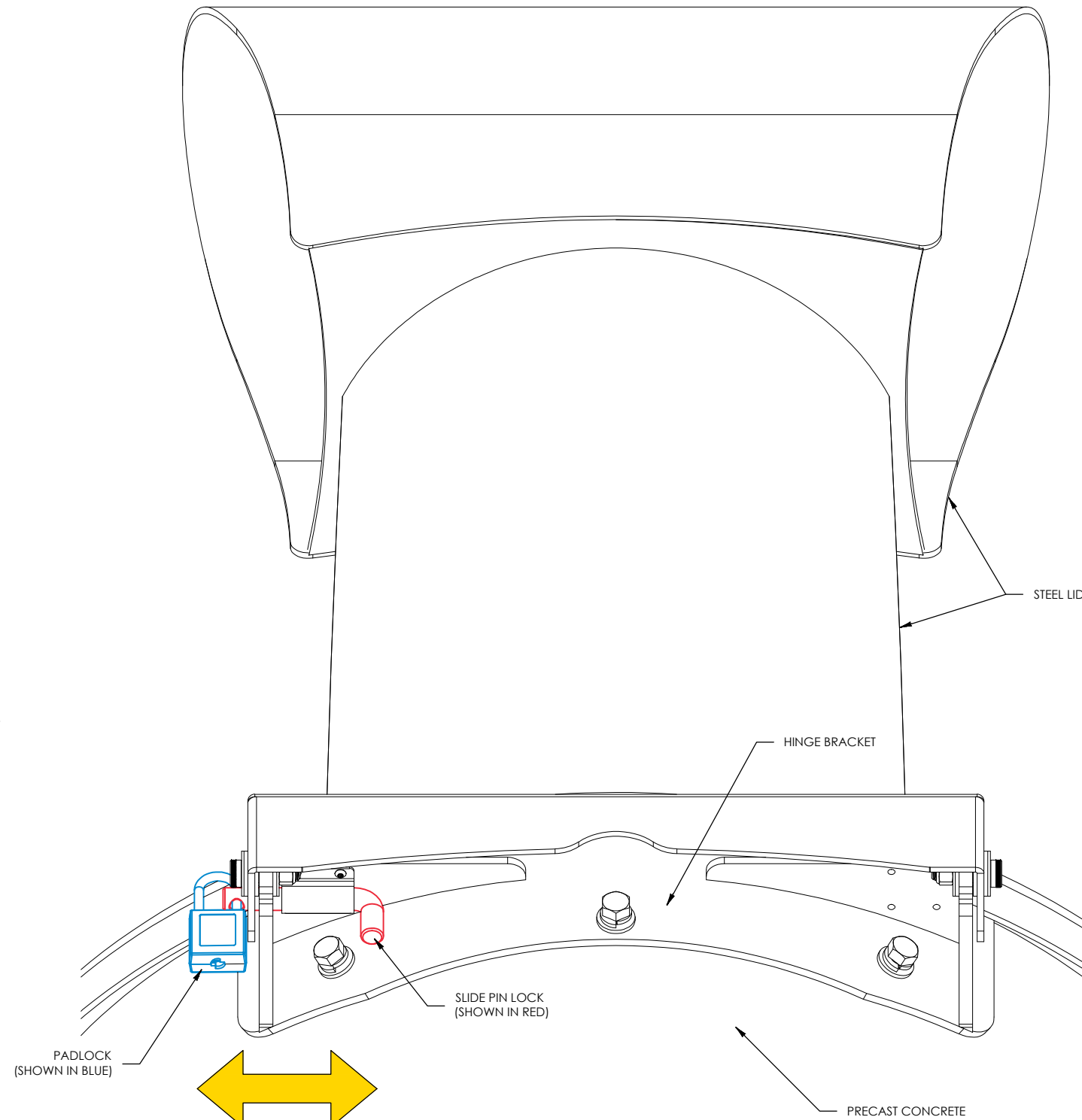
PRS-1

STEP No.6 - INSTALLING SLIDE PIN AND PADLOCK.

- SLIDE PIN SLIDES BACK AND FORTH TO ALLOW LOCKING AND UNLOCKING OF THE HINGED STEEL LID.
- REMOVE PADLOCK AND SLIDE PIN BACK TO ALLOW THE STEEL LID TO HINGE OPEN FOR SERVICING.
- REVERSE TO LOCK.



SLIDE PIN LOCK AND PADLOCK ARE LOCATED ON THE SIDE OF THE HINGE BRACKET



NOTE:
REMOVE PADLOCK AND SLIDE PIN
BACK TO ALLOW THE STEEL LID TO
HINGE OPEN FOR SERVICING.

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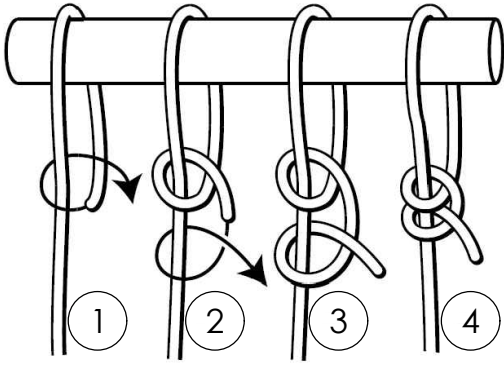
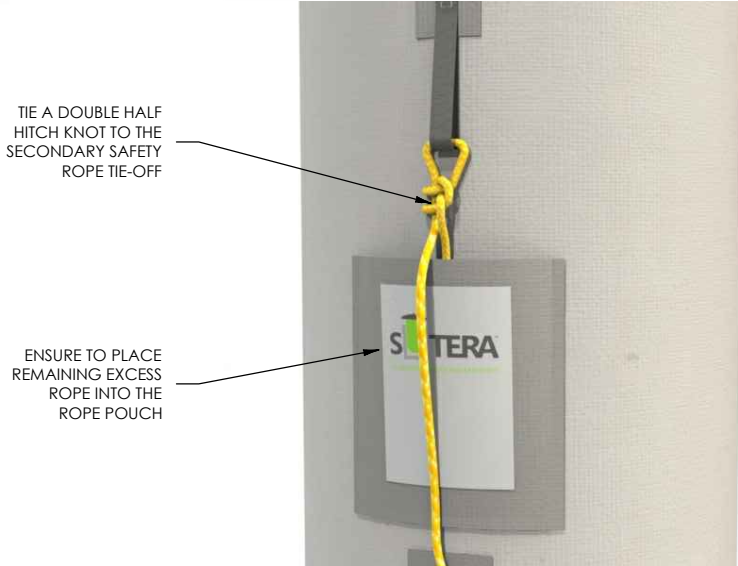
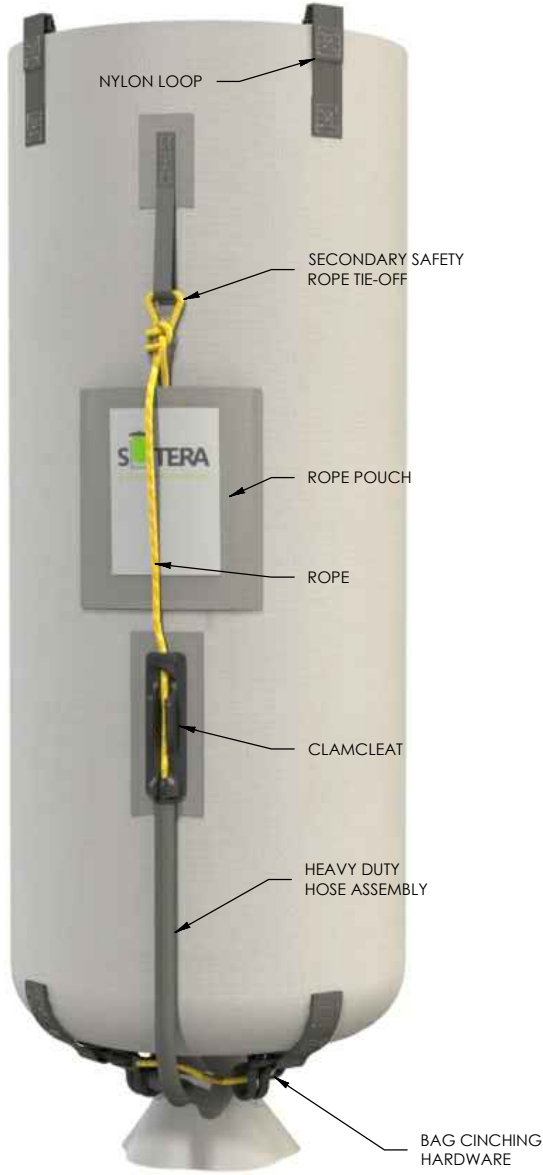
BAG HARDWARE AND CINCHING BAG CLOSED

STEP No.7

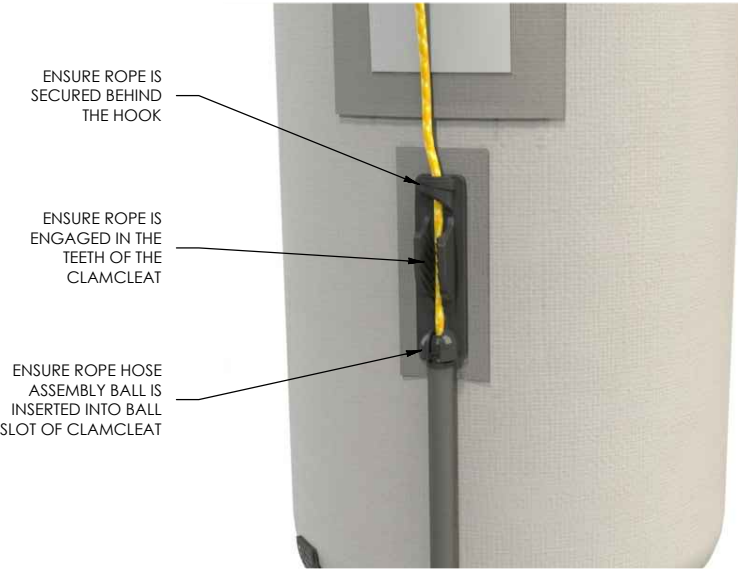


INSTALLATION INSTRUCTIONS

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DOUBLE HALF HITCH KNOT INSTRUCTIONS



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

- STEP No.7 - BAG HARDWARE AND CINCHING BAG CLOSED
- PULL ROPE TIGHTLY THROUGH THE HEAVY DUTY HOSE ASSEMBLY.
 - INSERT ROPE HOSE ASSEMBLY BALL INTO BALL SLOT OF CLAMCLEAT.
 - ENSURE ROPE IS ENGAGED INTO THE TEETH OF THE CLAMCLEAT.
 - FASTEN ROPE BEHIND THE CLAMCLEAT HOOK.
- *THE ABOVE STEPS WILL CINCH THE BOTTOM OF THE BAG CLOSED.
- 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.

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INSTALLING STEEL FRAME, PVC BAG & LINER BAG

STEP No.8



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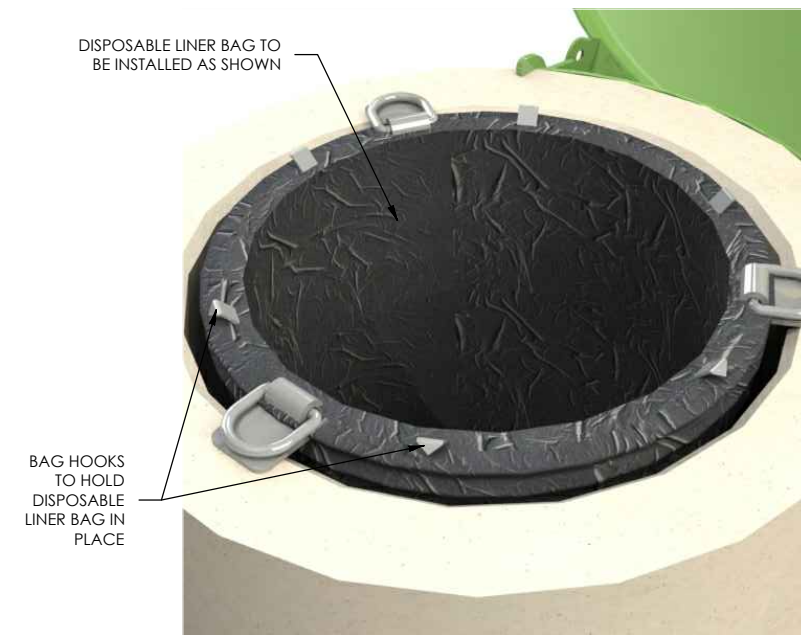
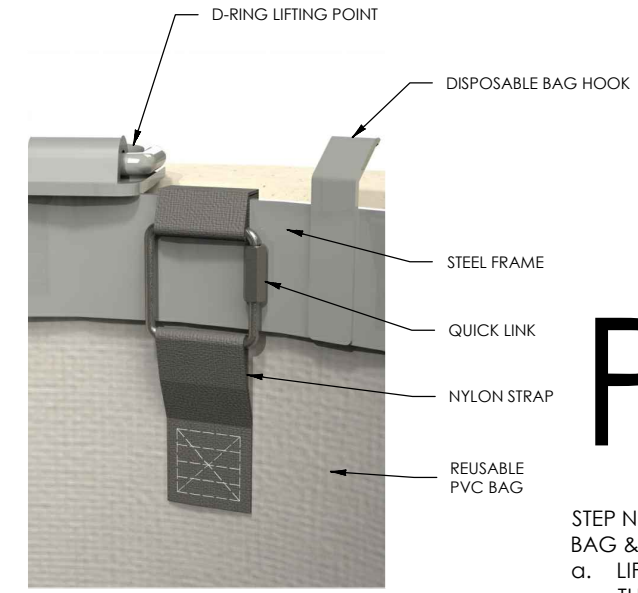
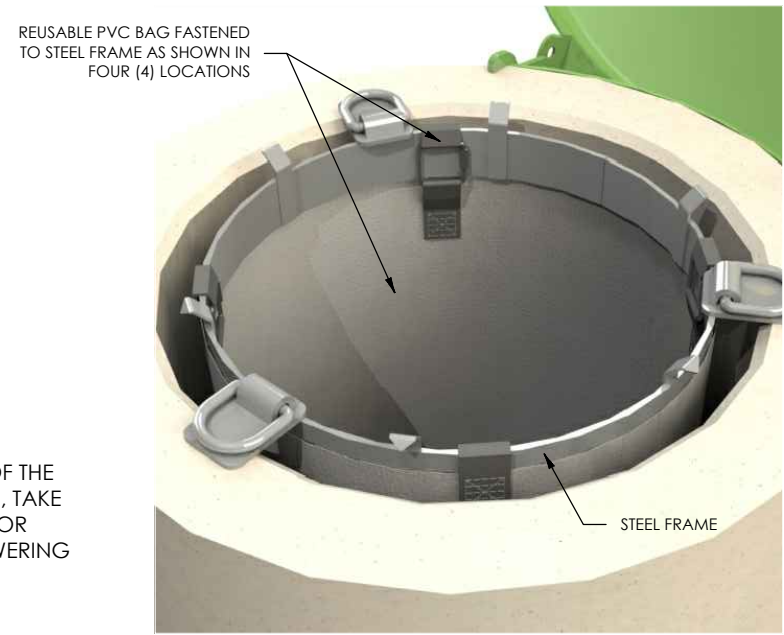
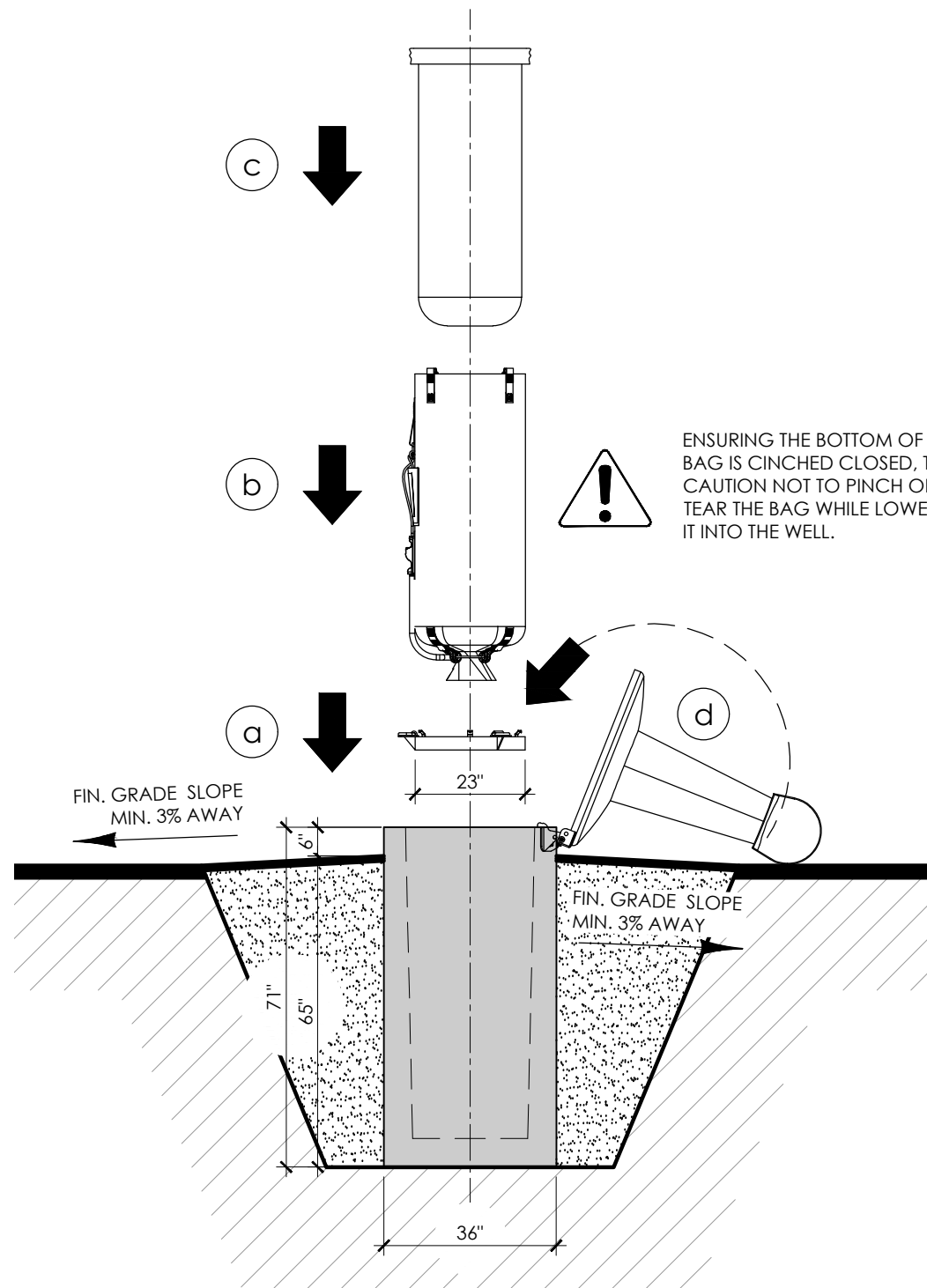
STEP No.8 - INSTALLING STEEL FRAME, PVC BAG & LINER BAG

- 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.)
- 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.

- 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.
- 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