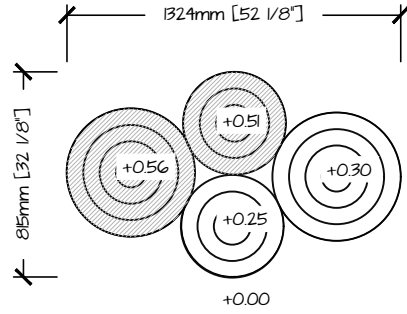
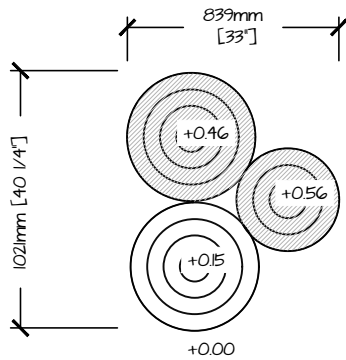


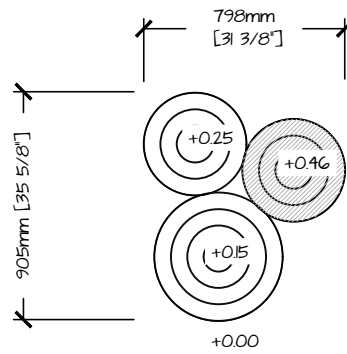
- VERSION - 4A
NI-606-10.01



- VERSION - 4B
NI-606-10.02



- VERSION - 3A
NI-606-10.03



- VERSION - 3B
NI-606-10.04

ALL LOG ELEVATIONS ARE IN METRES ABOVE RELATIVE FINISHED GRADE.



TALLER LOGS



SHORTER LOGS



LOG CLUSTER

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1 OF 1

SCALE @ 8.5x11
1:30

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PHONE NUMBER:
1-877-733-7456

COMPONENTS

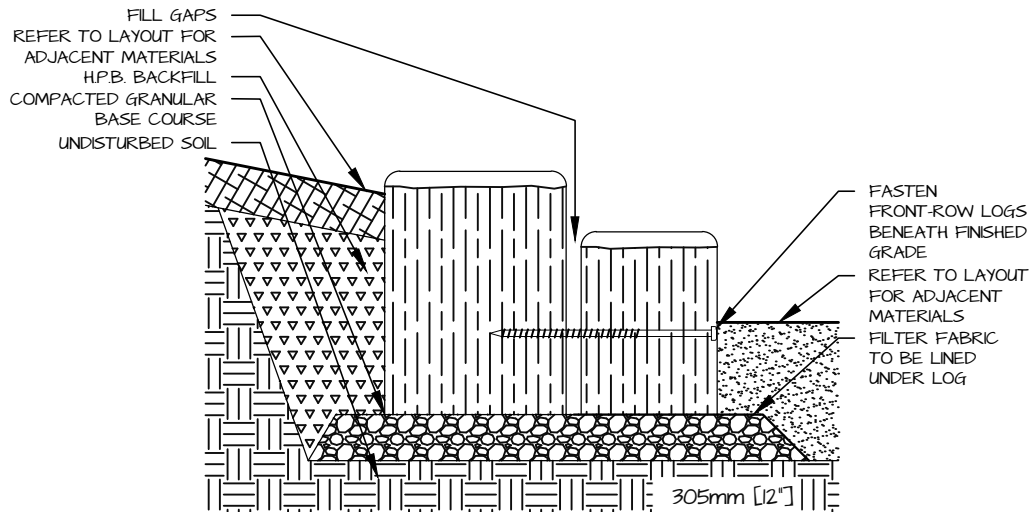
NATURE'S INSTRUMENTS NHPG-606-10.01 LOG CLUSTER BORDER NI PACKAGE INCLUDES:

- PRE-ASSEMBLED LOG STUMP SET: x 1
 - MADE FROM 406-508mm [16'-20"] DIA. NATURAL LOGS
 - EACH SET IS LABELLED WITH PRODUCT CODE
- 457mm [18"] SDWS FASTENERS: x 2
- HARDWOOD PLUG: x 2

GRANULAR BASE COURSE, HIGH PERFORMANCE BEDDING, SCREENING, STABILIZER, AND CAULKING ARE NOT SUPPLIED.

NOTES

1. MAINTAIN BARK ON LOGS WHEREVER POSSIBLE.
2. POSITION BORDER ACCORDING TO THE CLUSTER AND/OR LAYOUT PLAN
3. FRONT ROW OF LOGS TO BE INSTALLED SO THAT THE TOP SURFACE OF EACH LOG IS NO MORE THAN 300mm [12"] ABOVE FINISHED GRADE.
4. DIG A TRENCH 203mm [8"] LARGER THAN DIMENSIONS OF CLUSTER TO 254mm [10"] DEPTH BELOW FINISHED GRADE OF THE LOW SIDE OF THE BORDER.
5. FILL THE BOTTOM OF THE TRENCH WITH 100mm [4"] DEPTH OF CRUSHED GRAVEL (OR $\frac{3}{4}$ " CLEAR GRAVEL) COMPACTED TO 98% S.P.D.D.
6. IF LOGS ARE USED TO RETAIN A LOOSE FILL MATERIAL, FILTER FABRIC IS TO BE INSTALLED UNDER THE LOGS AND CONTINUE UNDER THE LOOSE FILL MATERIAL TO PREVENT ACCESS TO THE BASE COURSE AND TERRA-FIRMA UNDER THE LOGS.
 - 6a. FILTER FABRIC TO BE NILEX 4535 NON-WOVEN GEO-TEXTILE, OR APPROVED EQUAL.
7. PLACE THE ASSEMBLED SETS OF LOGS IN LOCATION DESIGNATED ON CLUSTER AND/OR LAYOUT PLAN ON THE GRANULAR BASE COURSE ABOUT THE LOGS TIGHT TO ADJACENT BORDER AND ENSURE EACH LOG SET IS PLUMB AND STABLE.
8. IF THERE IS MOVEMENT, FASTEN THE LOG SETS TO EACH OTHER USING THE STRUCTURAL SCREWS. ALL FRONT-ROW LOGS MUST BE FASTENED BELOW THE GRADE OF ADJACENT SURFACES SO THE SCREWS ARE NOT VISIBLE.
9. BACKFILL BEHIND THE BACK ROW OF LOGS WITH HIGH PERFORMANCE BEDDING (HPB).
10. RESTORE ADJACENT SURFACING TO PRE-CONSTRUCTION CONDITION UNLESS OTHERWISE SPECIFIED.



- SECTION -



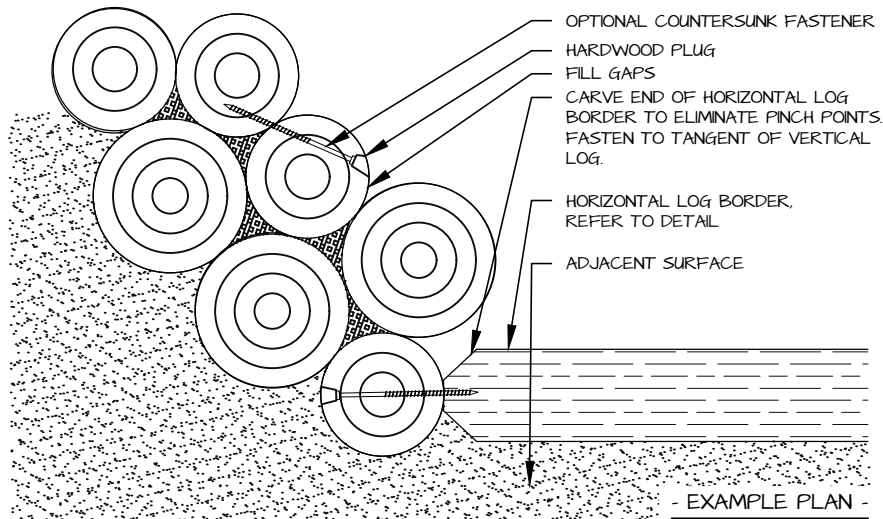
LOG CLUSTER

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1 OF 4	1:25	DR	DR	1-877-733-7456

CAULKING NOTES

1. ALL GAPS BETWEEN 8mm - 25mm [$\frac{5}{16}$ " - 1"] SIZE BETWEEN LOGS SHALL BE FILLED TO PREVENT FINGER ENTRAPMENT.
2. ALL GAPS OF 29mm - 230mm [$1\frac{1}{2}$ " - 9"] SIZE BETWEEN LOGS SHALL BE FILLED TO PREVENT HEAD/TORSO ENTRAPMENT.
3. ALL GAPS BETWEEN LOGS ARE TO BE FILLED WITH SCREENINGS MIXED WITH A STABILIZER. MIX PROPORTIONS AS RECOMMENDED BY THE MANUFACTURER.
 - 3.a. 'STABILIZER' BY ENVIROBOND, OR APPROVED EQUAL.
4. IF DESIRED, THE TOP OF THE GAPS CAN BE FINISHED WITH A CAULKING MATERIAL.
 - 4.a. 'PERMA-CHINK' LOG SEALANT #223 BROWN COLOUR, OR APPROVED EQUAL.
5. MAKE SURE THAT THE WOOD SURFACES AROUND THE GAPS ARE CLEAN AND FREE OF OILS, WAXES, AND BARK (WHILE MAINTAINING BARK ON ALL OTHER LOCATIONS) TO ENSURE PROPER ADHESION OF THE CURED CAULKING.
6. APPLY CAULKING MATERIAL AS PER THE MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH THE FOLLOWING GUIDELINES.
 - 6.a. APPLY ONLY AS MUCH CAULKING MATERIAL AS YOU ARE ABLE TO TOOL SMOOTH IN ABOUT 15 MINUTES (LESS IN WARM DRY WEATHER THAT CAUSES THE CHINKING TO SKIN OVER RAPIDLY).
 - 6.b. APPLY ENOUGH CAULKING MATERIAL TO MAINTAIN A WET THICKNESS OF APPROXIMATELY 10mm [$\frac{3}{8}$ "].
 - 6.c. WET THE TROWEL ONLY (NOT THE CAULKING), THEN SPREAD IT OUT EVENLY TO 10mm [$\frac{3}{8}$ "] THICKNESS, MAKING SURE THE WET CAULKING IS IN GOOD CONTACT WITH THE WOOD SURFACES AT BOTH EDGES OF THE GAP. GOOD CONTACT IS CRITICAL FOR PROPER ADHESION AFTER CURING. NOTE: BE CAREFUL TO MAINTAIN PROPER THICKNESS IN ALL CORNERS.
 - 6.d. LIGHTLY WET THE SURFACE OF THE CHINKING AND TOOL TO FINISHED SMOOTHNESS. AVOID APPLYING ENOUGH WATER TO CAUSE IT TO RUN ONTO THE WOOD SURFACE. WIPE ANY RUNS IMMEDIATELY.
 - 6.e. PROTECT FRESHLY APPLIED CAULKING FROM RAIN FOR AT LEAST 24 HOURS TO ALLOW A WATER RESISTANT SKIN TO FORM.
 - 6.f. FULL CURING REQUIRES THE CAULKING MATERIAL TO DRY ALL THE WAY THROUGH AND MAY TAKE A NUMBER OF WEEKS. COOL TEMPERATURES OR HIGH HUMIDITY EXTENDS DRYING TIME.



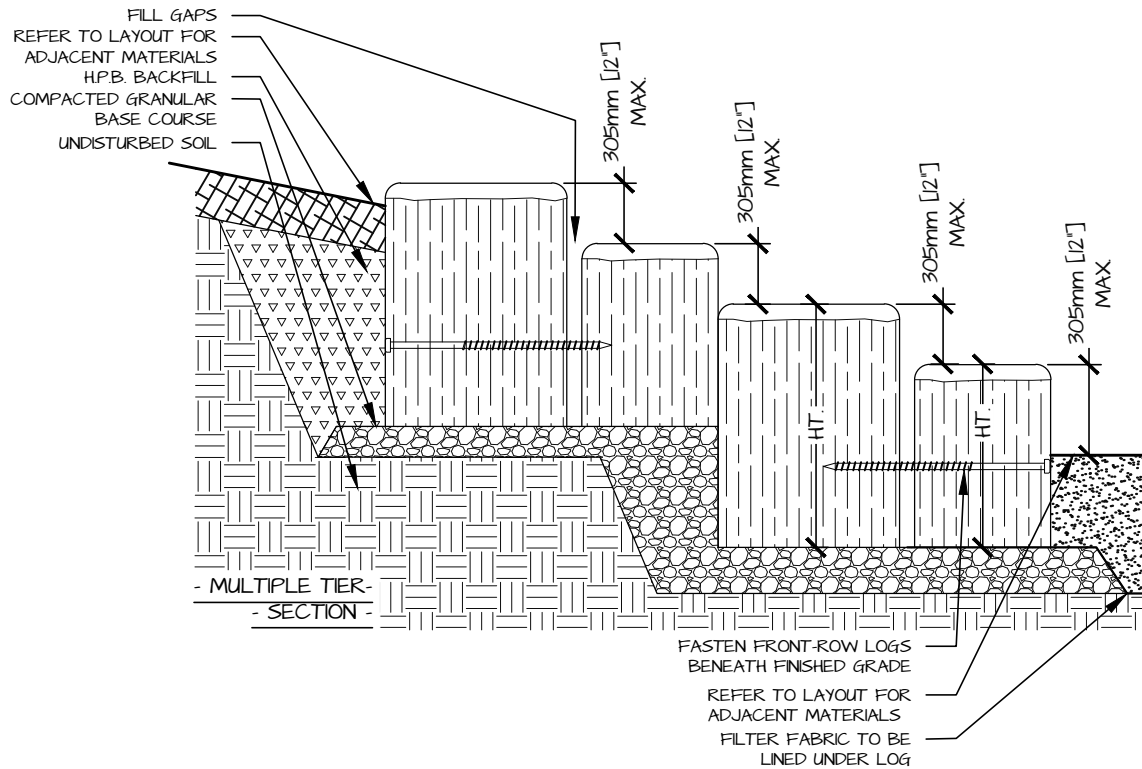
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PAGE 1 OF 4	SCALE @ 85x11 1:25	DRAWN DR	CHECKED DR	PHONE NUMBER: 1-877-733-7456
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NOTES

1. CLUSTERS CAN BE INSTALLED ON MULTIPLE TIERS.
2. MAINTAIN BARK ON LOGS WHEREVER POSSIBLE.
3. POSITION BORDER ACCORDING TO THE CLUSTER LAYOUT PLAN AND LAYOUT PLAN.
4. FRONT ROW OF LOGS TO BE INSTALLED SO THAT THE TOP SURFACE OF EACH LOG IS NO MORE THAN 300mm [12"] ABOVE FINISHED GRADE.
5. DIG THE FRONT TRENCH 203mm [8"] LARGER THAN DIMENSIONS OF FRONT LOG SET TO 254mm [10"] DEPTH BELOW FINISHED GRADE OF THE LOW SIDE OF THE BORDER.
6. DIG A BACK TRENCH 203mm [8"] LARGER THAN THE DIMENSIONS OF THE BACK LOG SET TO 254mm [10"] DEPTH. BOTTOM OF THIS TRENCH TO BE MAX 152mm [6"] ABOVE FINISHED GRADE OF THE LOW SIDE OF THE BORDER.
7. FILL THE BOTTOM OF THE FRONT TRENCH WITH 100mm [4"] DEPTH OF CRUSHED GRAVEL (OR ¾" CLEAR GRAVEL) COMPACTED TO 98% S.P.D.D.
8. IF LOGS ARE USED TO RETAIN A LOOSE FILL MATERIAL, FILTER FABRIC IS TO BE INSTALLED UNDER THE LOGS AND CONTINUE UNDER THE LOOSE FILL MATERIAL TO PREVENT ACCESS TO THE BASE COURSE AND TERRA-FIRMA UNDER THE LOGS.
 - 8.a. FILTER FABRIC TO BE NILEX 4535 NON-WOVEN GEO-TEXTILE, OR APPROVED EQUAL.
9. PLACE THE FRONT SETS OF LOGS IN LOCATION DESIGNATED ON CLUSTER LAYOUT PLAN ON THE GRANULAR BASE COURSE. ABUT THE LOGS TIGHT TO ADJACENT BORDER AND ENSURE EACH LOG SET IS PLUMB AND STABLE.
10. BACKFILL WITH GRANULAR BASE COURSE. COMPACT AS MUCH AS POSSIBLE WITHOUT MOVING FRONT LOG SET.
11. FILL THE BACK TRENCH WITH 100mm [4"] DEPTH OF CRUSHED GRAVEL (OR ¾" CLEAR GRAVEL) COMPACTED TO 98% S.P.D.D. IF POSSIBLE.
 - 11.a. COMPACT AS MUCH AS POSSIBLE WITHOUT MOVING FRONT LOG SET.
12. PLACE THE BACK SETS OF LOGS IN LOCATION DESIGNATED ON CLUSTER LAYOUT PLAN ON THE GRANULAR BASE COURSE. ABUT THE LOGS TIGHT TO ADJACENT BORDER AND ENSURE EACH LOG SET IS PLUMB AND STABLE.
13. IF THERE IS MOVEMENT, FASTEN THE LOG SETS TO EACH OTHER USING THE SUPPLIED STRUCTURAL SCREWS IN PRE-DRILLED HOLES. ALL FRONT-ROW LOGS MUST BE FASTENED BELOW THE GRADE OF ADJACENT SURFACES SO THE SCREWS ARE NOT VISIBLE.
14. BACKFILL BEHIND THE BACK ROW OF LOGS WITH HIGH PERFORMANCE BEDDING (H.P.B.).
15. RESTORE ADJACENT SURFACING TO PRE-CONSTRUCTION CONDITION UNLESS OTHERWISE SPECIFIED.

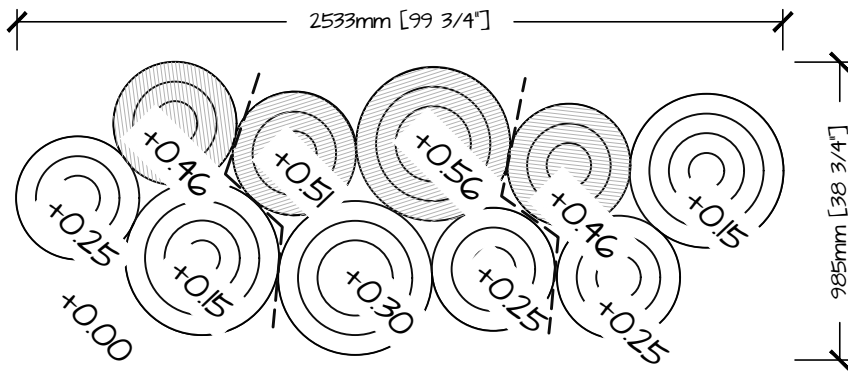


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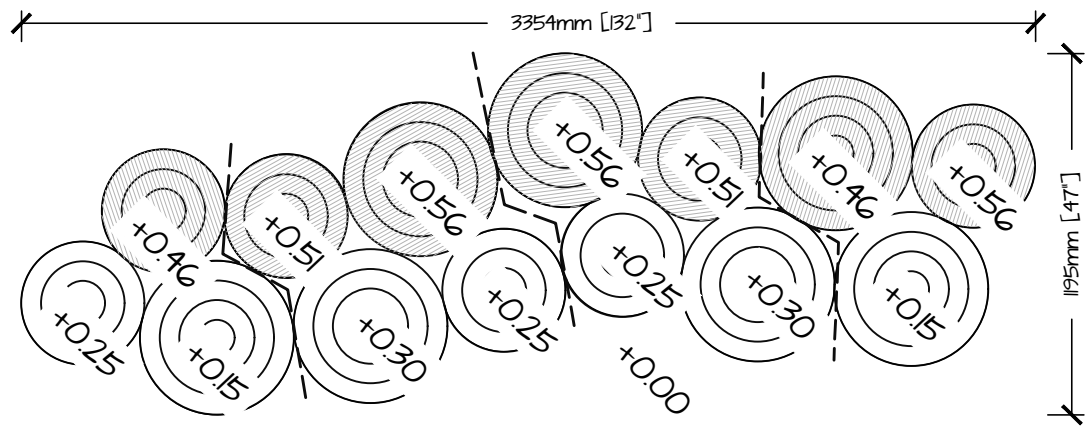
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NI-PG-60G-10

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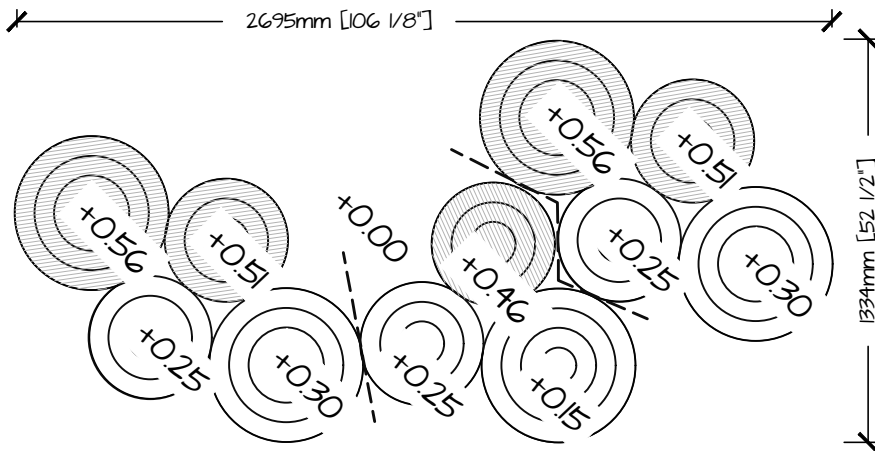
EXAMPLE LAYOUT



CLUSTER INCLUDES:
 1 @ 4A NI-606-10.01
 2 @ 3B NI-606-10.04



CLUSTER INCLUDES:
 1 @ 4A NI-606-10.01
 1 @ 4B NI-606-10.02
 1 @ 3A NI-606-10.03
 1 @ 3B NI-606-10.04



H3 CLUSTER INCLUDES:
 2 @ 4B NI-606-10.02
 1 @ 3B NI-606-10.04



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