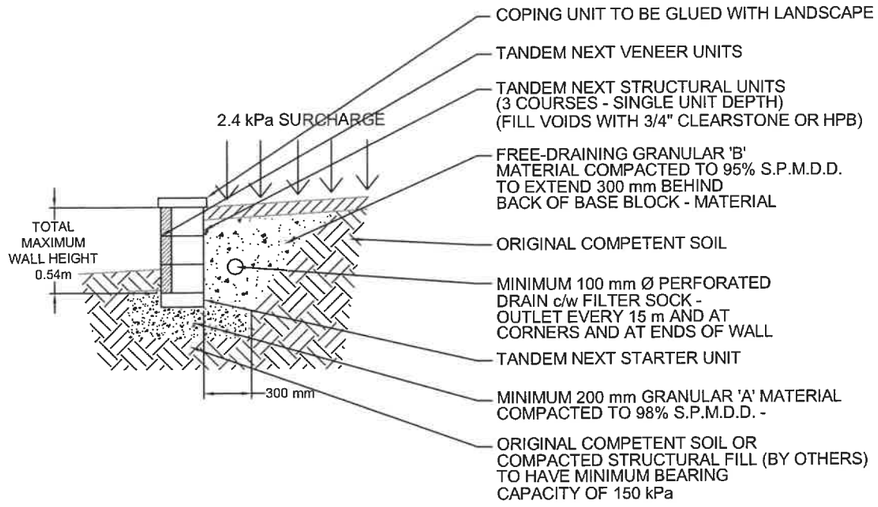


COPING UNIT TO BE GLUED WITH LANDSCAPE ADHESIVE

TANDEM NEXT VENEER UNITS

TANDEM NEXT STRUCTURAL UNITS
(3 COURSES - SINGLE UNIT DEPTH)
(FILL VOIDS WITH 3/4" CLEARSTONE OR HPB)

FREE-DRAINING GRANULAR 'B'
MATERIAL COMPACTED TO 95% S.P.M.D.D.
TO EXTEND 300 mm BEHIND
BACK OF BASE BLOCK - MATERIAL

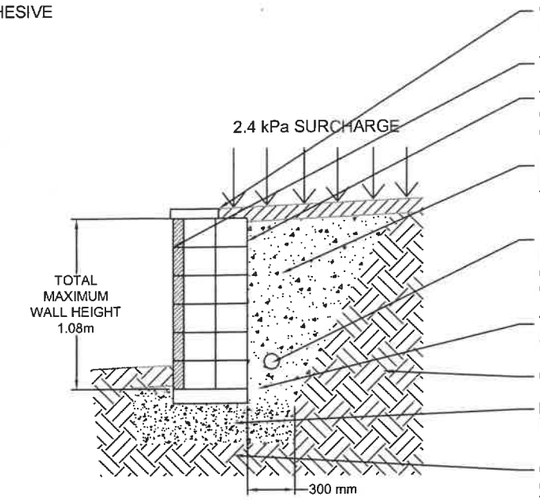
ORIGINAL COMPETENT SOIL

MINIMUM 100 mm Ø PERFORATED
DRAIN c/w FILTER SOCK -
OUTLET EVERY 15 m AND AT
CORNERS AND AT ENDS OF WALL

TANDEM NEXT STARTER UNIT

MINIMUM 200 mm GRANULAR 'A' MATERIAL
COMPACTED TO 98% S.P.M.D.D. -

ORIGINAL COMPETENT SOIL OR
COMPACTED STRUCTURAL FILL (BY OTHERS)
TO HAVE MINIMUM BEARING
CAPACITY OF 150 kPa



COPING UNIT TO BE GLUED WITH
LANDSCAPE ADHESIVE

TANDEM NEXT VENEER UNITS

TANDEM NEXT STRUCTURAL UNITS
(6 COURSES - DOUBLE UNIT DEPTH)
(FILL VOIDS WITH 3/4" CLEARSTONE OR HPB)

FREE-DRAINING GRANULAR 'B'
MATERIAL COMPACTED TO 95% S.P.M.D.D.
TO EXTEND 300 mm BEHIND BACK OF BASE BLOCK

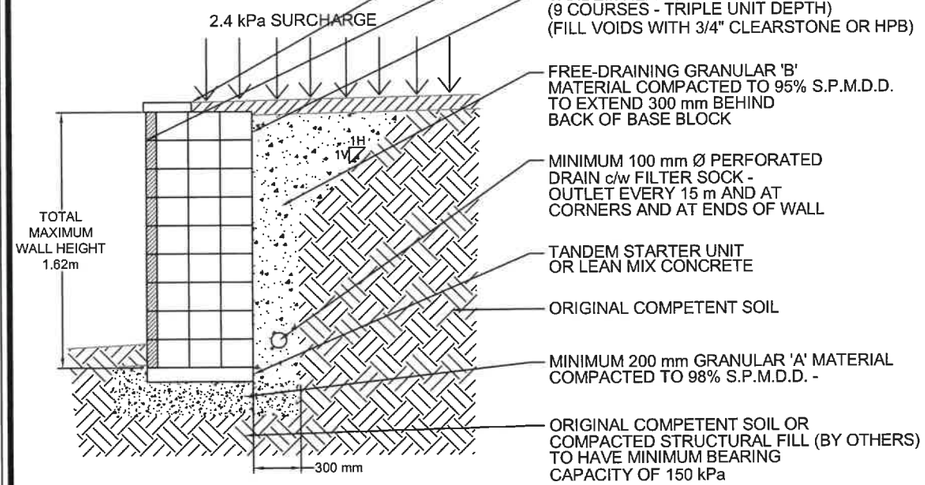
MINIMUM 100 mm Ø PERFORATED
DRAIN c/w FILTER SOCK -
OUTLET EVERY 15 m AND AT
CORNERS AND AT ENDS OF WALL

TANDEM STARTER UNIT OR
LEAN MIX CONCRETE

ORIGINAL COMPETENT SOIL

MINIMUM 200 mm OF GRANULAR 'A'
MATERIAL COMPACTED TO 98% S.P.M.D.D. -

ORIGINAL COMPETENT SOIL OR
COMPACTED STRUCTURAL FILL (BY OTHERS)
TO HAVE MINIMUM BEARING
CAPACITY OF 150 kPa



COPING UNIT TO BE GLUED WITH
LANDSCAPE ADHESIVE

TANDEM NEXT VENEER UNITS

TANDEM NEXT STRUCTURAL UNITS
(9 COURSES - TRIPLE UNIT DEPTH)
(FILL VOIDS WITH 3/4" CLEARSTONE OR HPB)

FREE-DRAINING GRANULAR 'B'
MATERIAL COMPACTED TO 95% S.P.M.D.D.
TO EXTEND 300 mm BEHIND
BACK OF BASE BLOCK

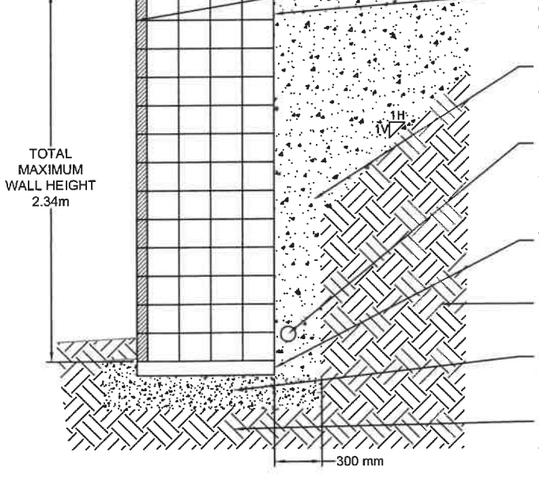
MINIMUM 100 mm Ø PERFORATED
DRAIN c/w FILTER SOCK -
OUTLET EVERY 15 m AND AT
CORNERS AND AT ENDS OF WALL

TANDEM STARTER UNIT
OR LEAN MIX CONCRETE

ORIGINAL COMPETENT SOIL

MINIMUM 200 mm GRANULAR 'A' MATERIAL
COMPACTED TO 98% S.P.M.D.D. -

ORIGINAL COMPETENT SOIL OR
COMPACTED STRUCTURAL FILL (BY OTHERS)
TO HAVE MINIMUM BEARING
CAPACITY OF 150 kPa



COPING UNIT TO BE GLUED WITH
LANDSCAPE ADHESIVE

TANDEM NEXT VENEER UNITS

TANDEM NEXT STRUCTURAL UNITS
(13 COURSES - FOUR UNIT DEPTH)
(FILL VOIDS WITH 3/4" CLEARSTONE OR HPB)

FREE-DRAINING GRANULAR 'B'
MATERIAL COMPACTED TO 95% S.P.M.D.D.
TO EXTEND 300 mm BEHIND BACK OF BASE BLOCK

MINIMUM 100 mm Ø PERFORATED
DRAIN c/w FILTER SOCK -
OUTLET EVERY 15 m AND AT
CORNERS AND AT ENDS OF WALL

TANDEM STARTER UNIT
OR LEAN MIX CONCRETE

ORIGINAL COMPETENT SOIL

MINIMUM 200 mm GRANULAR 'A' MATERIAL
COMPACTED TO 98% S.P.M.D.D. -

ORIGINAL COMPETENT SOIL OR
COMPACTED STRUCTURAL FILL (BY OTHERS)
TO HAVE MINIMUM BEARING
CAPACITY OF 150 kPa

GENERAL NOTES:

1) EXCAVATE FOR FOOTING TO MINIMUM DEPTH OF 400 mm (16 in), OR UNTIL COMPETENT SOIL IS REACHED OR FILL WITH COMPACTED STRUCTURAL FILL (BY OTHERS). THE FOUNDING SOIL MUST BE INSPECTED BY THE GEOTECHNICAL ENGINEER TO CONFIRM ADEQUATE BEARING CAPACITY AND SLOPE STABILITY. WHERE REQUIRED BY GEOTECHNICAL ENGINEER, PLACE ENGINEERED FILL COMPRISING OF APPROVED GRANULAR MATERIAL PLACED IN 250 mm (10") LIFTS AND COMPACTED TO 98% S.P.M.D.D. BACKFILLING AND COMPACTION TO BE CARRIED OUT UNDER GEOTECHNICAL SUPERVISION. PERMACON IS NOT RESPONSIBLE FOR RETAINING A GEOTECHNICAL ENGINEER TO OVERSEE CONSTRUCTION OF RETAINING WALL.

2. EXCAVATION TO ALLOW FOR THE THICKNESS OF THE WALL PLUS A SUFFICIENT DISTANCE TO ALLOW FOR COMPACTED GRANULAR BACKFILL BEHIND THE WALL. EXCAVATE ON A SUITABLE BACK ANGLE DEEP ENOUGH TO REACH ORIGINAL COMPETENT SOIL.

3. PLACE 200 mm OF GRANULAR 'A' MATERIAL WITHIN FOOTING EXCAVATION AND COMPACT TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY.

4. LEVEL THE FIRST COURSE AND PLACE THE DESIRED FINISHED GRADE IN FRONT OF THE WALL. MINIMUM EMBEDMENT DEPTH TO BE 150mm. SLOPES AT TOE OF WALL MAY REQUIRE MORE UNITS TO BE BURIED (CONSULT QUALIFIED PROFESSIONAL ENGINEER FOR GUIDANCE).

5. WALL APPEARANCE TO BE AS PER VENEER UNITS AND COLOR TO BE DETERMINED BY OWNER.

6. BACKFILL THE WALL WITH FREE-DRAINING GRANULAR 'B' MATERIAL AS THE HEIGHT INCREASES, IDEALLY EVERY ONE OR TWO COURSES. AT NO TIME SHOULD THE HEIGHT EXCEED 2 COURSES WITHOUT BACKFILLING UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BACKFILL MUST BE COMPACTED TO 95% S.P.M.D.D.

7. FILL ALL VOIDS OF STRUCTURAL UNITS WITH ¾" CLEARSTONE OR HPB

8. ALL CONSTRUCTION OPERATIONS INCLUDING BLOCK PLACEMENT, BACKFILLING AND COMPACTION TO BE COMPLETED UNDER GEOTECHNICAL SUPERVISION.

9. POOR SOIL CONDITIONS AND EXCESSIVE MOISTURE MAY REQUIRE ALTERNATE DRAINAGE REQUIREMENTS AND DESIGN MODIFICATIONS.

10. TO ACHIEVE A 0° BATTER, DO NOT STEP BACK.

11. THE TOP MUST BE LANDSCAPED TO PROMOTE SURFACE RUNOFF OVER THE TOP OF THE WALL. NO UNUSUAL SURCHARGE LOADING SHOULD BE ADJACENT TO THE TOP OF THE WALL.

12. APPROPRIATE RESTRAINT MUST BE PROVIDED TO ENSURE PEDESTRIANS CANNOT ACCESS THE TOP OF THE WALL, OTHERWISE AN ENGINEERED HANDRAIL SYSTEM WILL BE REQUIRED ON THE TOP OF THE WALL. PROVISION OF A HANDRAIL ON TOP OF THE WALL MAY REQUIRE DESIGN MODIFICATIONS.

13. ALL PRODUCT NAMES AND STYLIZED REPRESENTATIONS ARE TRADEMARKS OF PERMACON, OR APPROVED FOR USE BY PERMACON COMPANIES.

14. ALL PRODUCTS ILLUSTRATED ARE SUBJECT TO PATENTS.

15. THE APPLICABILITY OF THESE RETAINING WALL SECTIONS MUST BE REVIEWED ON A SITE SPECIFIC BASIS BY A QUALIFIED PROFESSIONAL ENGINEER.

16. FOR OTHER WALL HEIGHTS, SOIL PARAMETERS AND SURCHARGE LOADING NOT REPRESENTED ON THIS DRAWING, PLEASE CONTACT PERMACON FOR SITE SPECIFIC DESIGN.

SOIL PARAMETERS USED IN DESIGNS:
REINFORCED SOIL: ϕ = 34 DEGREES, γ = 21 kN/m³
RETAINED SOIL: ϕ = 28 DEGREES, γ = 19 kN/m³

LICENSED PROFESSIONAL ENGINEER
G.P. MITCHELL
32057507
Nov 15/19
PROVINCE OF ONTARIO

REV.	DATE	DESCRIPTION	BY
0	6/6/19	ISSUED FOR USE	DAD

DRAWING: GRAVITY DESIGN
VERTICAL / 2.7° BATTER
TO 2.34 m

PROJECT: Permacon Products
TANDEM NEXT WALL
STANDARD ENGINEERING

PROJECT ENGINEER:

TANDEM NEXT® Wall

PERMACON
an Oldcastle® company

DESIGN ENGINEER:
PML Peto MacCallum Ltd.
CONSULTING ENGINEERS

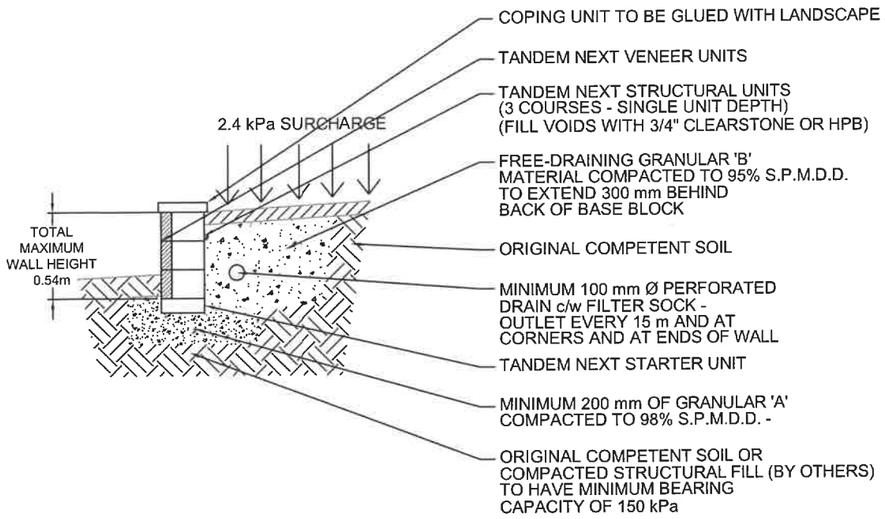
DRAWN BY:	CH'D BY:
DAD	GP

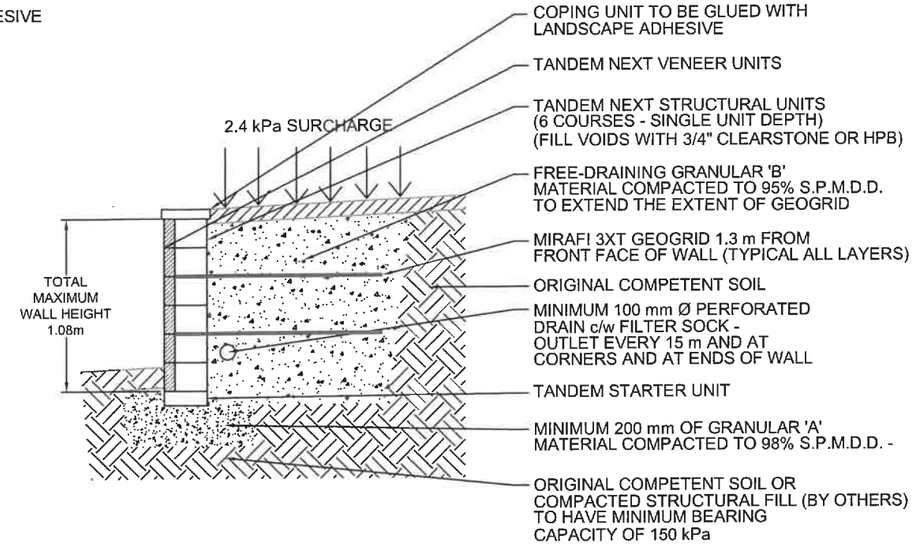
DATE: June 6, 2019

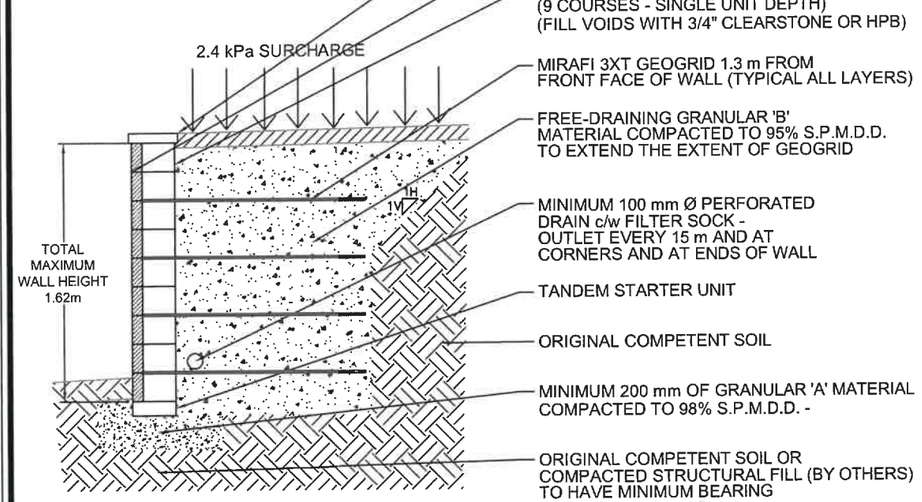
SCALE: NOT TO SCALE

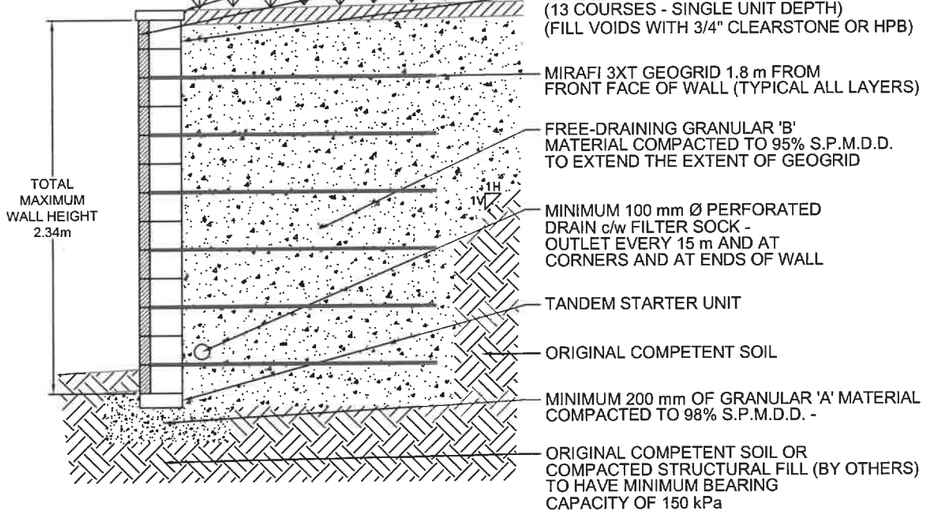
FILE NAME: Tandem Next-Standard Gravity.dwg

DRAWING No.
TANDEM NEXT
GRAVITY
VERTICAL / 2.7°









GENERAL NOTES:

1) EXCAVATE FOR FOOTING TO MINIMUM DEPTH OF 400 mm (16 in), OR UNTIL COMPETENT SOIL IS REACHED OR FILL WITH COMPACTED STRUCTURAL FILL (BY OTHERS). THE FOUNDING SOIL MUST BE INSPECTED BY THE GEOTECHNICAL ENGINEER TO CONFIRM ADEQUATE BEARING CAPACITY AND SLOPE STABILITY. WHERE REQUIRED BY GEOTECHNICAL ENGINEER, PLACE ENGINEERED FILL COMPRISING OF APPROVED GRANULAR MATERIAL PLACED IN 250 mm (10") LIFTS AND COMPACTED TO 98% S.P.M.D.D. BACKFILLING AND COMPACTION TO BE CARRIED OUT UNDER GEOTECHNICAL SUPERVISION. PERMACON IS NOT RESPONSIBLE FOR RETAINING GEOTECHNICAL ENGINEER TO OVERSEE CONSTRUCTION OF RETAINING WALL.

2. EXCAVATION TO ALLOW FOR THE THICKNESS OF THE WALL PLUS A SUFFICIENT DISTANCE TO ALLOW FOR COMPACTED GRANULAR BACKFILL BEHIND THE WALL. EXCAVATE ON A SUITABLE BACK ANGLE DEEP ENOUGH TO REACH ORIGINAL COMPETENT SOIL.

3. PLACE 200 mm OF GRANULAR 'A' MATERIAL WITHIN FOOTING EXCAVATION AND COMPACT TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY.

4. LEVEL THE FIRST COURSE AND PLACE THE DESIRED FINISHED GRADE IN FRONT OF THE WALL. MINIMUM EMBEDMENT DEPTH TO BE 150mm. SLOPES AT TOE OF WALL MAY REQUIRE MORE UNITS TO BE BURIED (CONSULT QUALIFIED PROFESSIONAL ENGINEER FOR GUIDANCE).

5. WALL APPEARANCE TO BE AS PER VENEER UNITS AND COLOR TO BE DETERMINED BY OWNER.

6. BACKFILL THE WALL WITH FREE-DRAINING GRANULAR 'B' MATERIAL AS THE HEIGHT INCREASES, IDEALLY EVERY ONE OR TWO COURSES. AT NO TIME SHOULD THE HEIGHT EXCEED 2 COURSES WITHOUT BACKFILLING UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BACKFILL MUST BE COMPACTED TO 95% S.P.M.D.D.
NOTE: LEAVE ROOM TO INSERT CONNECTOR.

7. FILL ALL VOIDS OF STRUCTURAL UNITS WITH ¾" CLEARSTONE OR HPB.

8. PLACE THE GEOGRID LAYERS AS THE BACKFILLING PROCEEDS, AT THE LOCATIONS SPECIFIED. COMPACT BACKFILL AS THE GEOGRID IS PLACED.

9. THE GEOGRID SHOULD BE CUT TO EXTEND BETWEEN THE UNITS PLUS THE SPECIFIED DISTANCE BEHIND THE WALL AS SHOWN. NO SPLICES PARALLEL TO THE WALL FACE ARE ALLOWED WITHOUT THE PERMISSION FROM THE ENGINEER.

10. ORIENTATION OF THE GEOGRIDS IS OF EXTREME IMPORTANCE. THE STRONGER STRAND OF THE GEOGRID SHOULD BE PERPENDICULAR TO THE WALL FACE. ENSURE THAT THE GEOGRID EXTENDS BETWEEN THE UNITS TO THE FRONT FACE OF THE WALL.

11. AFTER BEING ROLLED OUT, THE GEOGRID SHOULD BE TENSIONED BY HAND UNTIL IT IS TIGHT, FREE OF WRINKLES, AND LYING FLAT. THE GEOGRID SHOULD BE HELD FLAT WHILE BACKFILLING. CARE SHOULD BE TAKEN TO AVOID DAMAGING THE GEOGRID DURING BACKFILLING.

12. GEOGRID WHEN PULLED TIGHT MUST BE IN CONTACT WITH CONNECTOR. SEE GEOGRID PLACEMENT PROCEDURE. GEOGRID MUST BE PLACED EVERY 2 COURSES.

13. ADJACENT GEOGRID WIDTHS SHALL BE BUTT TIGHT TOGETHER.

14. ALL CONSTRUCTION OPERATIONS INCLUDING GEOGRID PLACEMENT, BACKFILLING AND COMPACTION TO BE COMPLETED UNDER GEOTECHNICAL SUPERVISION.

15. POOR SOIL CONDITIONS AND EXCESSIVE MOISTURE MAY REQUIRE ALTERNATE DRAINAGE REQUIREMENTS AND DESIGN MODIFICATIONS.

16. TO ACHIEVE A 0° BATTER, DO NOT STEP BACK.

17. THE TOP MUST BE LANDSCAPED TO PROMOTE SURFACE RUNOFF OVER THE TOP OF THE WALL. NO UNUSUAL SURCHARGE LOADING SHOULD BE ADJACENT TO THE TOP OF THE WALL.

18. APPROPRIATE RESTRAINT MUST BE PROVIDED TO ENSURE PEDESTRIANS CANNOT ACCESS THE TOP OF THE WALL, OTHERWISE AN ENGINEERED HANDRAIL SYSTEM WILL BE REQUIRED ON THE TOP OF THE WALL. PROVISION OF A HANDRAIL ON TOP OF THE WALL MAY REQUIRE DESIGN MODIFICATIONS.

19. ALL PRODUCT NAMES AND STYLIZED REPRESENTATIONS ARE TRADEMARKS OF PERMACON, OR APPROVED FOR USE BY PERMACON COMPANIES.

20. ALL PRODUCTS ILLUSTRATED ARE SUBJECT TO PATENTS.

21. THE APPLICABILITY OF THESE RETAINING WALL SECTIONS MUST BE REVIEWED ON A SITE SPECIFIC BASIS BY A QUALIFIED PROFESSIONAL ENGINEER.

20. FOR OTHER WALL HEIGHTS, SOIL PARAMETERS, AND SURCHARGE LOADING NOT REPRESENTED ON THIS DRAWING, PLEASE CONTACT PERMACON FOR SITE SPECIFIC DESIGN.

SOIL PARAMETERS USED IN DESIGNS:
REINFORCED SOIL: ϕ = 34 DEGREES, γ = 21 kN/m³
RETAINED SOIL: ϕ = 28 DEGREES, γ = 19 kN/m³

LICENSED PROFESSIONAL ENGINEER
G.P. MITCHELL
32057507
Nov 15/19
PROVINCE OF ONTARIO

REV.	DATE	DESCRIPTION	BY
0	6/12/19	ISSUED FOR USE	DAD

DRAWING: GEOGRID DESIGN VERTICAL / 2.7° BATTER TO 2.34 m

PROJECT: Permacon Products TANDEM NEXT WALL STANDARD ENGINEERING

PROJECT ENGINEER:

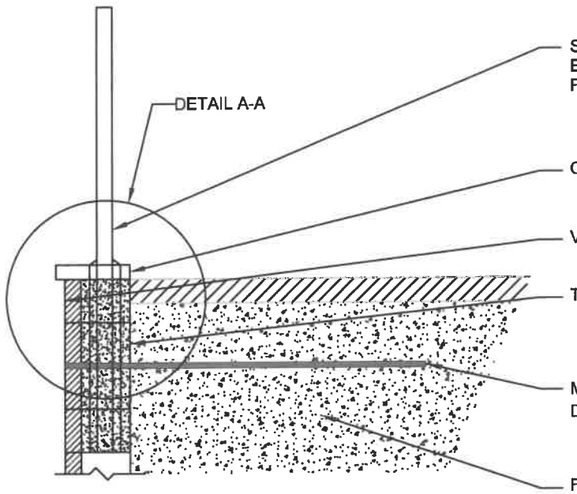
TANDEM NEXT® Wall

PERMACON an Oldcastle® company

DESIGN ENGINEER:
PML Peto MacCallum Ltd. CONSULTING ENGINEERS

DRAWN BY: DAD	CH'D BY:
DATE: June 12, 2019	
SCALE: NOT TO SCALE	
FILE NAME: Tandem Next-Standard Geogrid.dwg	

DRAWING No.
TANDEM NEXT GEOGRID VERTICAL / 2.7°



STEEL HANDRAIL OR CHAIN-LINK FENCE (DESIGNED BY OTHERS AS PER O.B.C.)
EMBEDMENT DEPTH DETERMINED BY SITE SPECIFIC DESIGN (MINIMUM FOUR COURSES)
FILL VOIDS OF STRUCTURAL UNITS WITH LEAN MIX CONCRETE AT EACH POST LOCATION

COPING UNIT (T.B.D.) TO BE GLUED WITH LANDSCAPE ADHESIVE

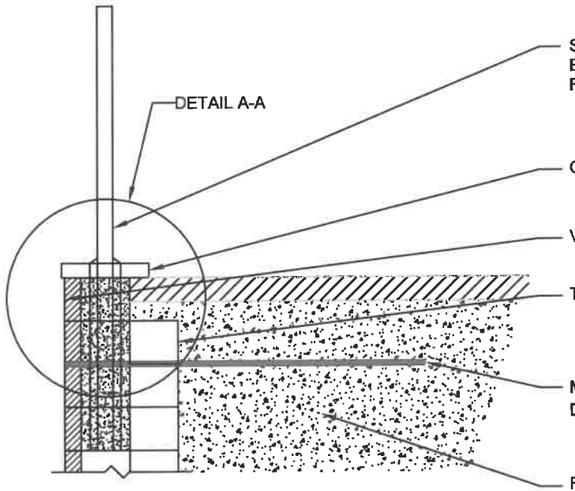
VENEER UNIT (T.B.D.)

TANDEM NEXT STRUCTURAL UNITS (SINGLE UNIT DEPTH)

MIRAFI GEOGRID - STRENGTH, LENGTH AND ELEVATION OF GEOGRID TO BE DETERMINED AS PER SITE SPECIFIC DESIGN

FREE-DRAINING SAND AND GRAVEL MATERIAL COMPACTED TO 95% S.P.M.D.D. MINIMUM BACKFILL TO EXTEND LENGTH OF GEOGRID MATERIAL TO HAVE LESS THAN 8% PASSING No. 200 SIEVE

OPTION No. 1



STEEL HANDRAIL OR CHAIN-LINK FENCE (DESIGNED BY OTHERS AS PER O.B.C.)
EMBEDMENT DEPTH DETERMINED BY SITE SPECIFIC DESIGN (MINIMUM FOUR COURSES)
FILL VOIDS OF STRUCTURAL UNITS WITH LEAN MIX CONCRETE AT EACH POST LOCATION

COPING UNIT (T.B.D.) TO BE GLUED WITH LANDSCAPE ADHESIVE

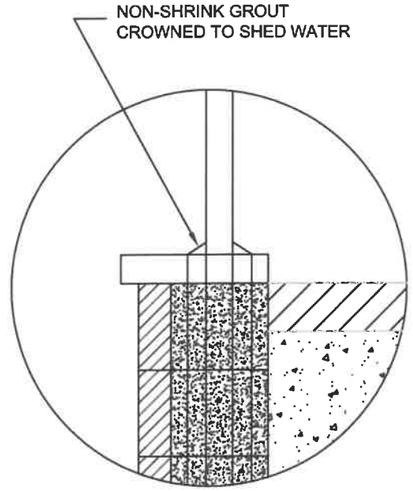
VENEER UNIT (T.B.D.)

TANDEM NEXT STRUCTURAL UNITS (MULTIPLE UNIT DEPTH)

MIRAFI GEOGRID - STRENGTH, LENGTH AND ELEVATION OF GEOGRID TO BE DETERMINED AS PER SITE SPECIFIC DESIGN

FREE-DRAINING SAND AND GRAVEL MATERIAL COMPACTED TO 95% S.P.M.D.D. MINIMUM BACKFILL TO EXTEND LENGTH OF GEOGRID MATERIAL TO HAVE LESS THAN 8% PASSING No. 200 SIEVE

OPTION No. 2



DETAIL A-A

GENERAL NOTES:

1. HANDRAIL OR FENCE LOADING TO BE DESIGNED ACCORDING TO LOCAL BUILDING CODE REQUIREMENTS UNLESS OTHERWISE SPECIFIED.

2. HANDRAIL OR FENCE ATTACHMENTS TO BE DESIGNED ON A SITE SPECIFIC BASIS BY A PROFESSIONAL ENGINEER.

3. WALLS TO BE BUILT ACCORDING TO SITE SPECIFIC DETAILS AND NOTES PROVIDED ON SITE SPECIFIC DRAWINGS.

4. BACKFILL THE WALL WITH FREE-DRAINING SAND AND GRAVEL MATERIAL AS THE HEIGHT INCREASES, IDEALLY EVERY ONE OR TWO COURSES. AT NO TIME SHOULD THE HEIGHT EXCEED 2 COURSES WITHOUT BACKFILLING UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BACKFILL MUST BE COMPACTED TO 95% S.P.M.D.D. BACKFILL MATERIAL TO HAVE LESS THAN 8% PASSING No. 200 SIEVE.

5. PLACE THE GEOGRID LAYERS AS THE BACKFILLING PROCEEDS, AT THE LOCATIONS SPECIFIED. COMPACT BACKFILL AS THE GEOGRID IS PLACED.

6. THE GEOGRID SHOULD BE CUT TO EXTEND BETWEEN THE UNITS PLUS THE SPECIFIED DISTANCE BEHIND THE WALL AS SHOWN. NO SPLICES PARALLEL TO THE WALL FACE ARE ALLOWED WITHOUT THE PERMISSION FROM THE ENGINEER.

7. ORIENTATION OF THE GEOGRIDS IS OF EXTREME IMPORTANCE. THE STRONGER STRAND OF THE GEOGRID SHOULD BE PERPENDICULAR TO THE WALL FACE. ENSURE THAT THE GEOGRID EXTENDS BETWEEN THE UNITS TO THE FRONT FACE OF THE WALL.

8. AFTER BEING ROLLED OUT, THE GEOGRID SHOULD BE TENSIONED BY HAND UNTIL IT IS TIGHT, FREE OF WRINKLES, AND LYING FLAT. THE GEOGRID SHOULD BE HELD FLAT WHILE BACKFILLING. CARE SHOULD BE TAKEN TO AVOID DAMAGING THE GEOGRID DURING BACKFILLING.

9. ADJACENT ROLL WIDTHS SHALL BE BUTT TIGHT TOGETHER.

10. ALL CONSTRUCTION OPERATIONS INCLUDING GEOGRID PLACEMENT, BACKFILLING AND COMPACTION TO BE COMPLETED UNDER GEOTECHNICAL SUPERVISION.

11. POOR SOIL CONDITIONS AND EXCESSIVE MOISTURE MAY REQUIRE ALTERNATE DRAINAGE REQUIREMENTS AND DESIGN MODIFICATIONS.

12. BATTER TO BE DETERMINED ON A SITE SPECIFIC BASIS.

13. THE TOP MUST BE LANDSCAPED TO PROMOTE SURFACE RUNOFF OVER THE TOP OF THE WALL. NO UNUSUAL SURCHARGE LOADING SHOULD BE ADJACENT TO THE TOP OF THE WALL.

14. IF THERE IS NOT SUFFICIENT ROOM BEHIND THE WALL FOR GEOGRID, THE WALL CAN BE DESIGNED FOR HANDRAIL USING LARGER BLOCK SIZES.

15. ALL PRODUCT NAMES AND STYLIZED REPRESENTATIONS ARE TRADEMARKS OF PERMACON PRODUCTS, OR APPROVED FOR USE BY PERMACON PRODUCTS' COMPANIES.

16. THE APPLICABILITY OF THIS RETAINING WALL DETAIL MUST BE REVIEWED ON A SITE SPECIFIC BASIS BY A QUALIFIED PROFESSIONAL ENGINEER.

REV.	DATE	DESCRIPTION	BY
0	3/18/20	ISSUED FOR USE	DAD

DRAWING:
TANDEM NEXT Wall
PEDESTRIAN GUARD DETAIL

PROJECT:
Permacon Products
TANDEM NEXT WALL
STANDARD ENGINEERING

PROJECT ENGINEER:

TANDEM NEXT® Wall

PERMACON
an Oldcastle® company

DESIGN ENGINEER:
PML Peto MacCallum Ltd.
CONSULTING ENGINEERS

DRAWN BY:	CH'D BY:
DAD	

DATE: March 18, 2020

SCALE: NOT TO SCALE

FILE NAME: Pedestrian Guard Detail.dwg

DRAWING No.
TANDEM NEXT STANDARD DETAIL