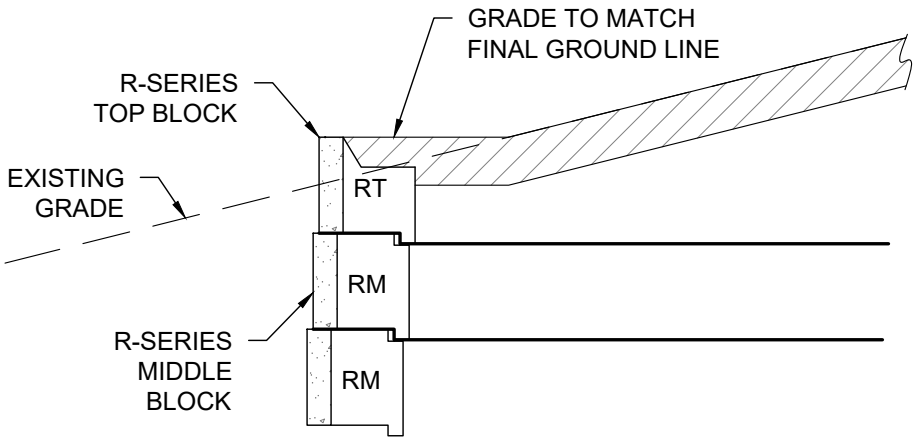
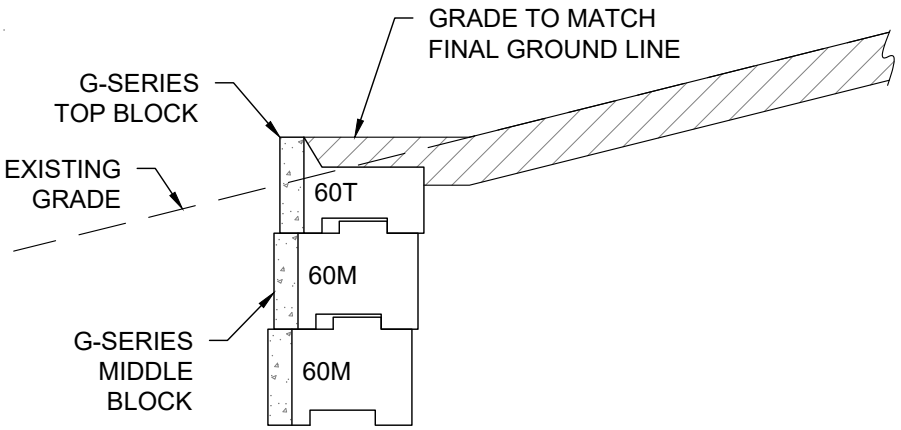
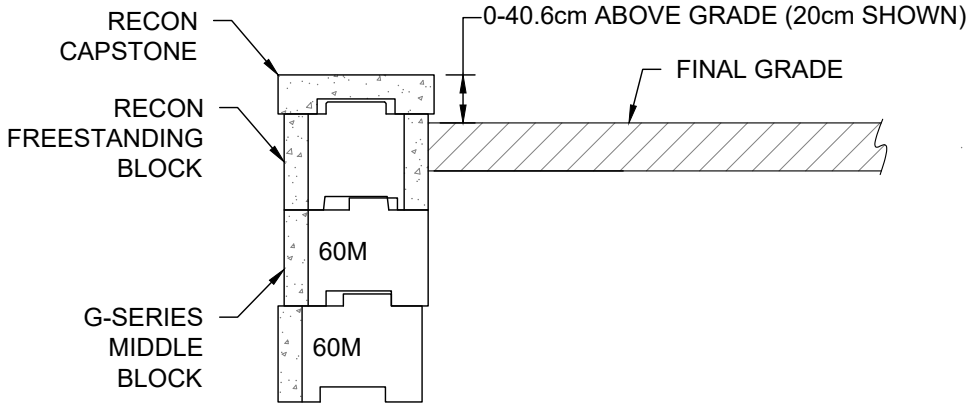


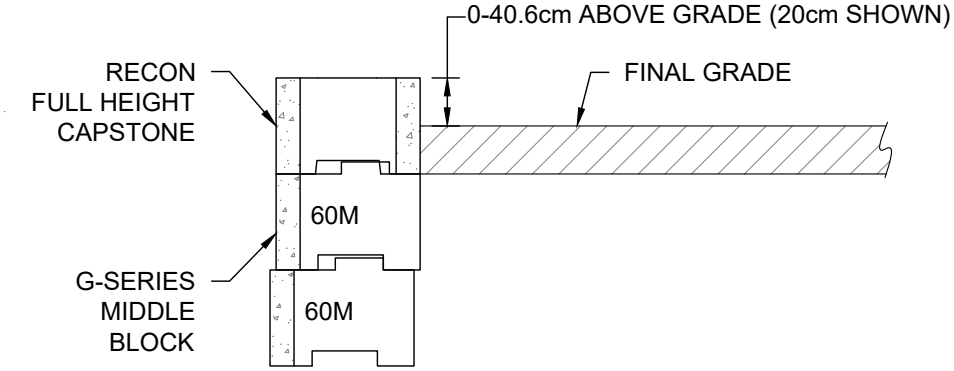
R-SERIES TOP BLOCK - OPTION 1
SECTION VIEW



TOP BLOCK - OPTION 1
SECTION VIEW



CAP UNIT - OPTION 2
SECTION VIEW



FULL HEIGHT CAP UNIT - OPTION 3
SECTION VIEW

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RECON Wall Systems™

TOP OF WALL FINISHING METHODS

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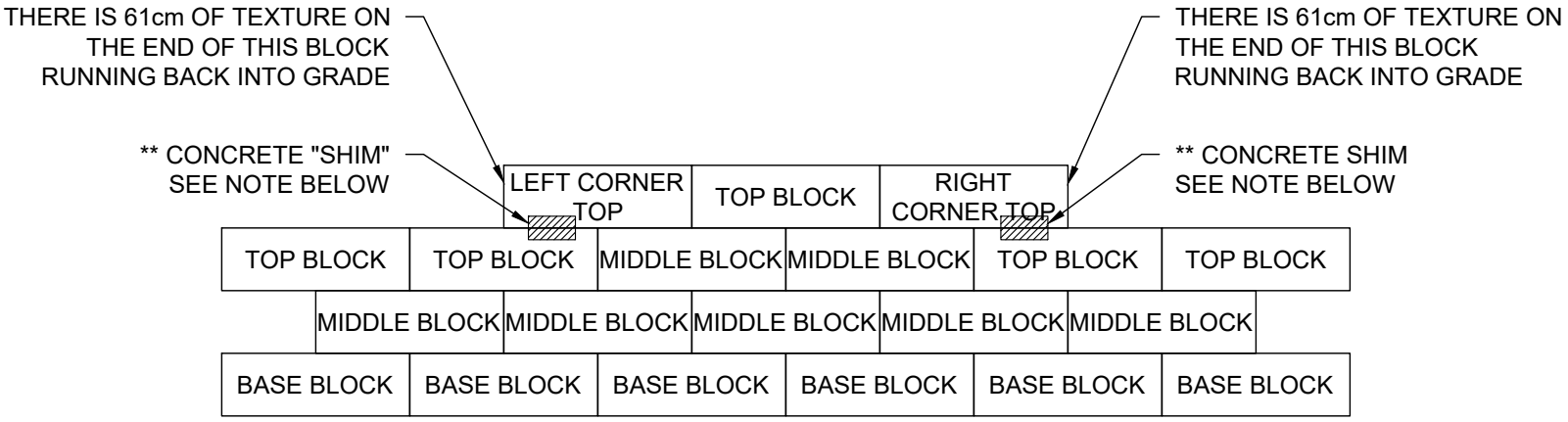
DRAWING #401

NOTE: THE STANDARD PLACEMENT OF A LEFT OR RIGHT CORNER TOP BLOCK IS TO PUT THE FULL 121.9cm LENGTH OF TEXTURE ON THE FRONT FACE OF THE WALL AND THE 61cm LENGTH OF TEXTURE ON THE END OF THE BLOCK RUNNING BACK INTO GRADE.



STANDARD TOP OF WALL
STEP UP

** NOTE: A CONCRETE "SHIM" MUST BE PLACED BETWEEN THE TOP BLOCK AND A LEFT OR RIGHT CORNER TOP BLOCK AT EACH POINT IN THE WALL WHERE THE TOP OF WALL STEPS UP. USE A STANDARD CONCRETE MASONRY UNIT (CMU) FOR THE "SHIM". THE REQUIRED THICKNESS OF THE "SHIM" IS 19cm" SO THE CMU WILL NEED TO BE TRIMMED ACCORDINGLY. THE "SHIM" SHOULD BE GLUED TO BOTH THE TOP BLOCK ON WHICH IT IS PLACED AND ALSO TO THE LEFT OR RIGHT CORNER TOP BLOCK ABOVE. PL PREMIUM IS THE RECOMMENDED ADHESIVE FOR GLUING THE "SHIM" IN PLACE. ANY REMAINING VOID SPACE BETWEEN THE TOP BLOCK AND THE CORNER TOP BLOCK SHOULD BE FILLED WITH CRUSHED STONE.

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RECON Wall Systems™

STANDARD TOP OF WALL STEP UP

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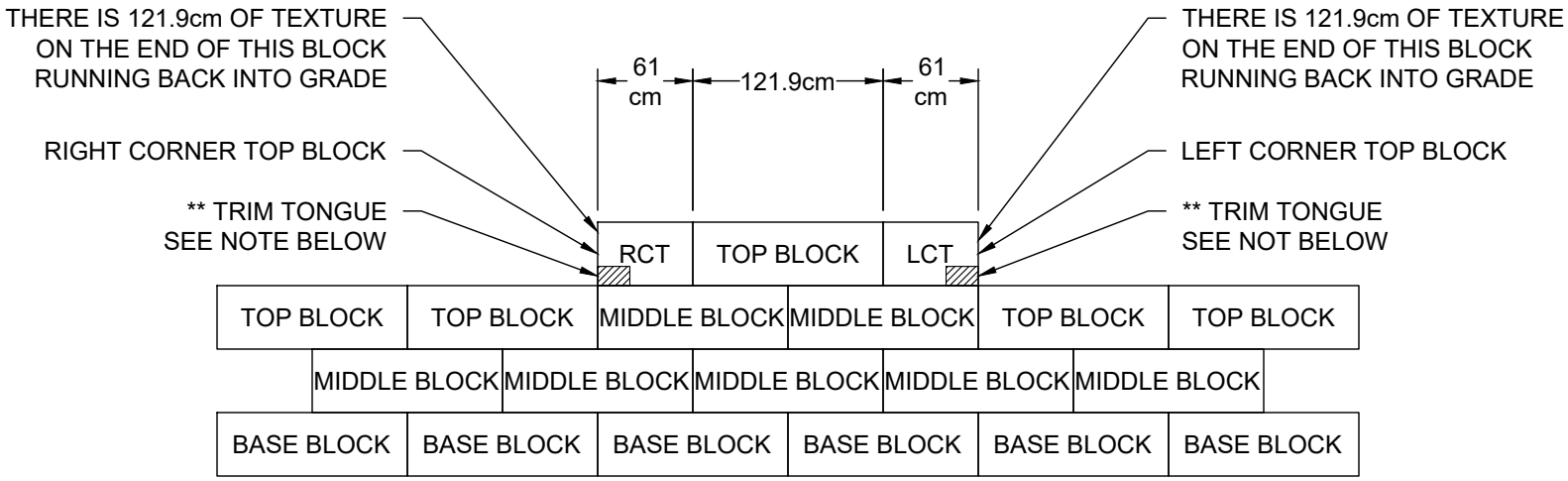
www.reconwalls.com

DRAWING #402

NOTE: THE ALTERNATE TOP OF WALL STEP UP CONSISTS OF PLACING A LEFT OR RIGHT CORNER TOP BLOCK WITH THE 61cm LENGTH OF TEXTURE ON THE FRONT FACE OF THE WALL AND THE 121.9cm LENGTH OF TEXTURE ON THE END OF THE BLOCK RUNNING BACK INTO GRADE. THIS OPTION DOES NOT REQUIRE SHIMMING THE CORNER TOP BLOCK BUT DOES REQUIRE THE TRIMMING OF THE MIDDLE BLOCK TONGUE. THIS OPTION ALSO ALLOWS FOR A MORE GRADUAL SLOPE AT THE TOP OF THE WALL.



ALTERNATE TOP OF WALL STEP UP

** NOTE: APPROXIMATELY 17.8cm OF THE TONGUE OF THE FULL MIDDLE BLOCK DIRECTLY BENEATH THE CORNER TOP BLOCK MUST BE CUT OFF. NO SHIMMING, AS SHOWN IN THE STANDARD TOP OF WALL STEP UP, IS REQUIRED.

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ALTERNATE TOP OF WALL STEP UP

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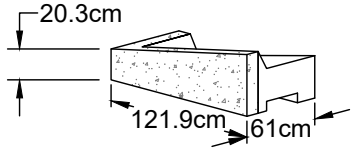
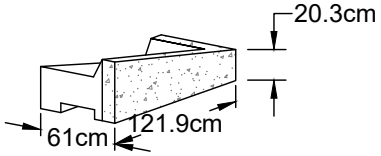
DRAWING #403

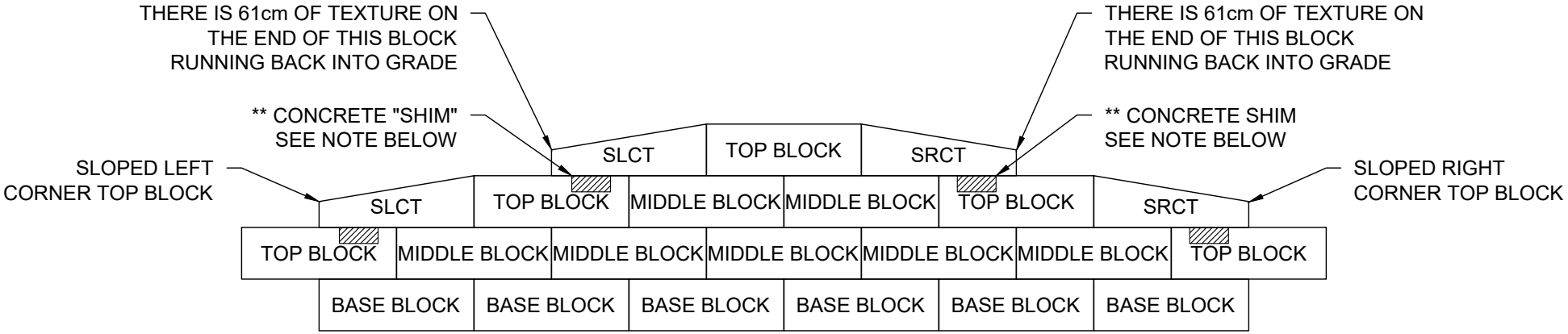
NOTE: SLOPED CORNER TOP BLOCKS MUST BE PLACED OVER A STANDARD TOP BLOCK, AND SUPPORTED WITH A "SHIM", AS SHOWN BELOW. PROPER INSTALLATION SHOULD RESULT IN A TOP OF WALL STEP EVERY 1.83-METERS.



SLOPED LEFT CORNER TOP (SLCT)



SLOPED RIGHT CORNER TOP (SRCT)



TOP OF WALL STEP UP
SLOPED CORNER TOP BLOCK

** NOTE: A CONCRETE "SHIM" MUST BE PLACED BETWEEN THE TOP BLOCK AND A SLOPED LEFT OR RIGHT CORNER TOP BLOCK AT EACH POINT IN THE WALL WHERE THE TOP OF WALL STEPS. USE A STANDARD CONCRETE MASONRY UNIT (CMU) FOR THE "SHIM". THE REQUIRED THICKNESS OF THE "SHIM" IS 5" SO THE CMU WILL NEED TO BE TRIMMED ACCORDINGLY. THE "SHIM" SHOULD BE GLUED TO BOTH THE TOP BLOCK ON WHICH IT IS PLACED AND ALSO TO THE LEFT OR RIGHT CORNER TOP BLOCK ABOVE. PL PREMIUM IS THE RECOMMENDED ADHESIVE FOR GLUING THE "SHIM" IN PLACE. ANY REMAINING VOID SPACE BETWEEN THE TOP BLOCK AND THE CORNER TOP BLOCK SHOULD BE FILLED WITH CRUSHED STONE.

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TOP OF WALL STEP UP
SLOPED CORNER BLOCK

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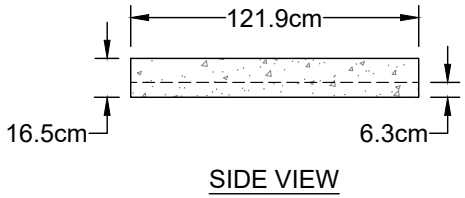
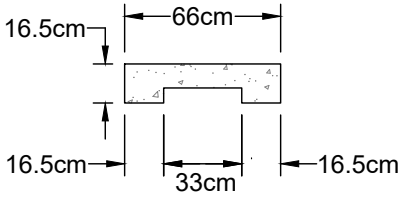
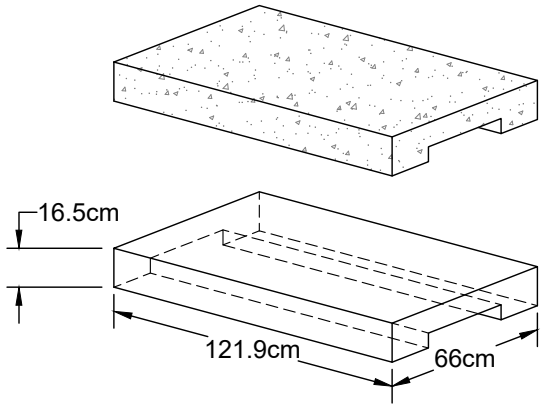
DRAWING #404



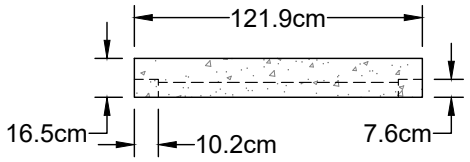
SIDE VIEW



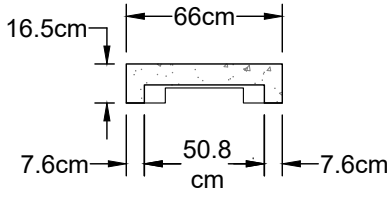
END VIEW



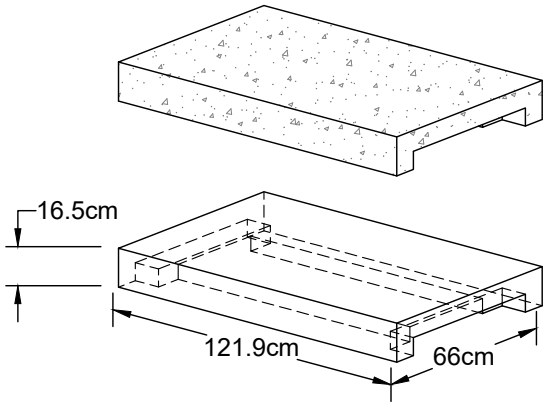
CAPSTONE



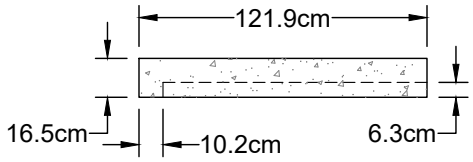
SIDE VIEW



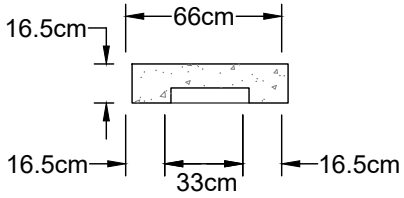
END VIEW



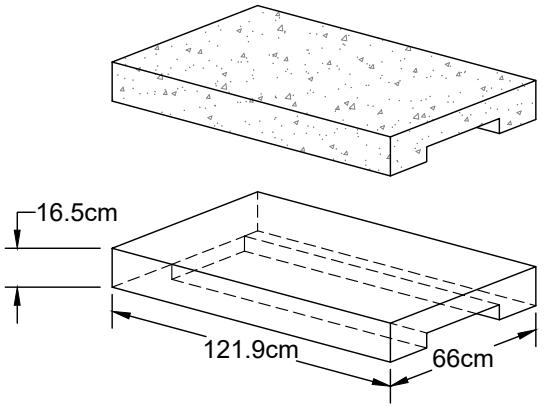
FITTING CAPSTONE



SIDE VIEW



END VIEW



END CAPSTONE

NOTE: CAPSTONES WEIGH APPROXIMATELY 275 KILOGRAMS AND SHOULD BE INSTALLED USING A SCISSORS CLAMP WITH PROTECTIVE RUBBER GRIPS ON THE INSIDE OF EACH CLAMP. ADDITIONALLY, CAPSTONES WILL NEED TO BE CUT WHEN INSTALLED ON CURVED WALLS OR WHEN A HALF CAPSTONE IS REQUIRED. IT IS RECOMMENDED THAT FITTING CAPSTONES BE UTILIZED WHEN CURVED WALLS ARE BEING CONSTRUCTED TO REDUCE THE CAPSTONE CUTTING TIME. ALL CAPSTONES SHOULD BE ADHERED TO THE BLOCK BELOW USING CONCRETE ADHESIVE (PL PREMIUM).

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CAPSTONE UNIT DETAILS

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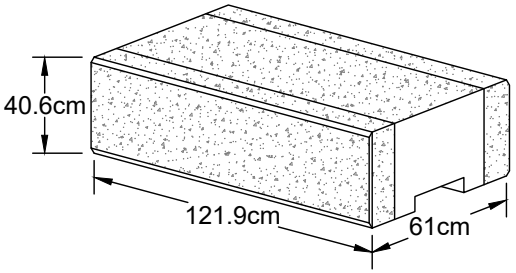
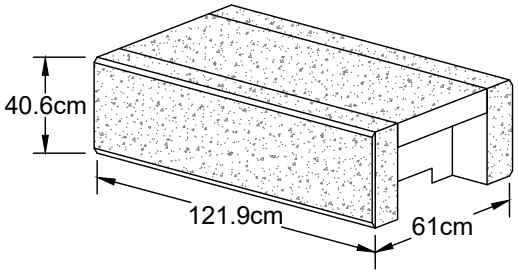
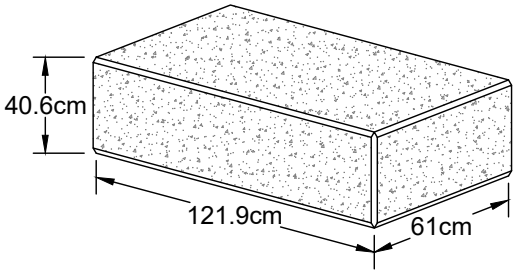
DRAWING #405



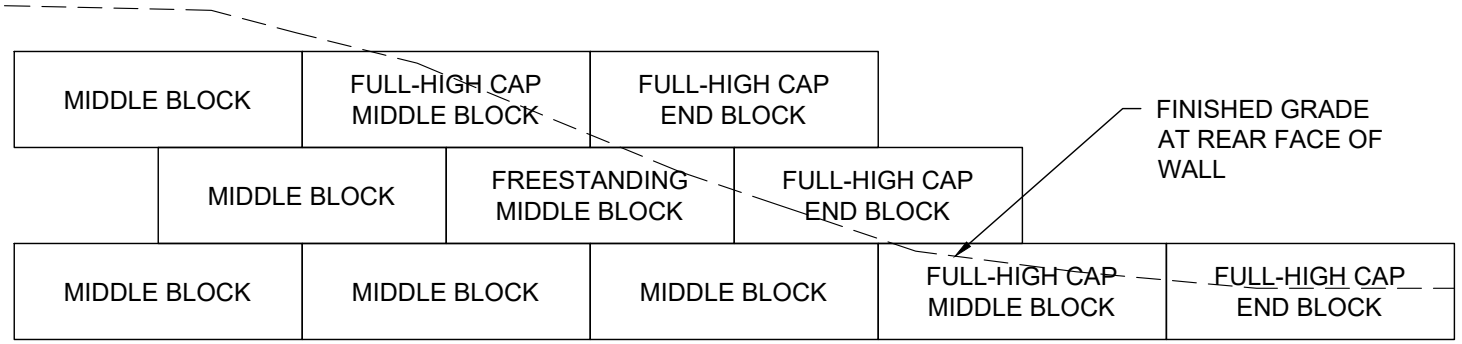
FULL-HIGH CAP
MIDDLE BLOCK



FULL-HIGH CAP
FITTING BLOCK



FULL-HIGH CAP
END BLOCK



PARTIAL WALL PROFILE
TYPICAL APPLICATION

NOTES:

1. WHEN A RETAINING WALL IS CONSTRUCTED THAT IS SUPPORTING A ROAD OR SIDEWALK AND THE GRADE OF THE ROAD OR SIDEWALK IS NOT LEVEL, IT MAY BE HELPFUL TO USE FULL-HIGH CAP BLOCKS AT THE ENDS OF EACH COURSE OF THE WALL. THIS WILL PROVIDE TEXTURE ON THE BACK SIDE OF THE WALL (SIDE FACING ROAD OR SIDEWALK) UNTIL GRADE IS SUFFICIENT TO COVER THE UN-TEXTURED BACK OF A TYPICAL WALL BLOCK.
2. IF THE WALL IS CURVED, THE FULL HIGH CAP WILL NEED TO BE MITER CUT IN THE FIELD TO CLOSE THE GAP BETWEEN THE BLOCKS. IN THIS SITUATION IT IS RECOMMENDED THAT FULL HIGH CAP FITTING BLOCKS BE USED TO SAVE TIME AND EXPENSE ON BLOCK CUTTING.

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RECON Wall Systems™

FULL-HIGH CAP BLOCK DETAILS

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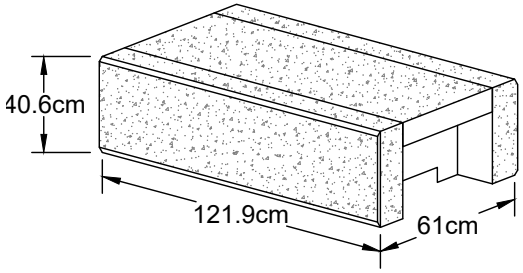
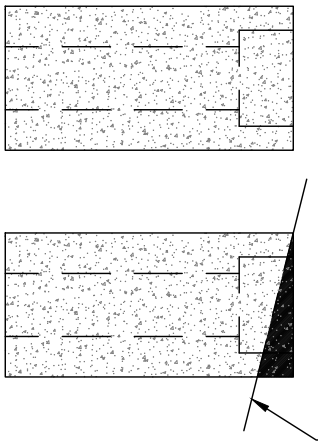
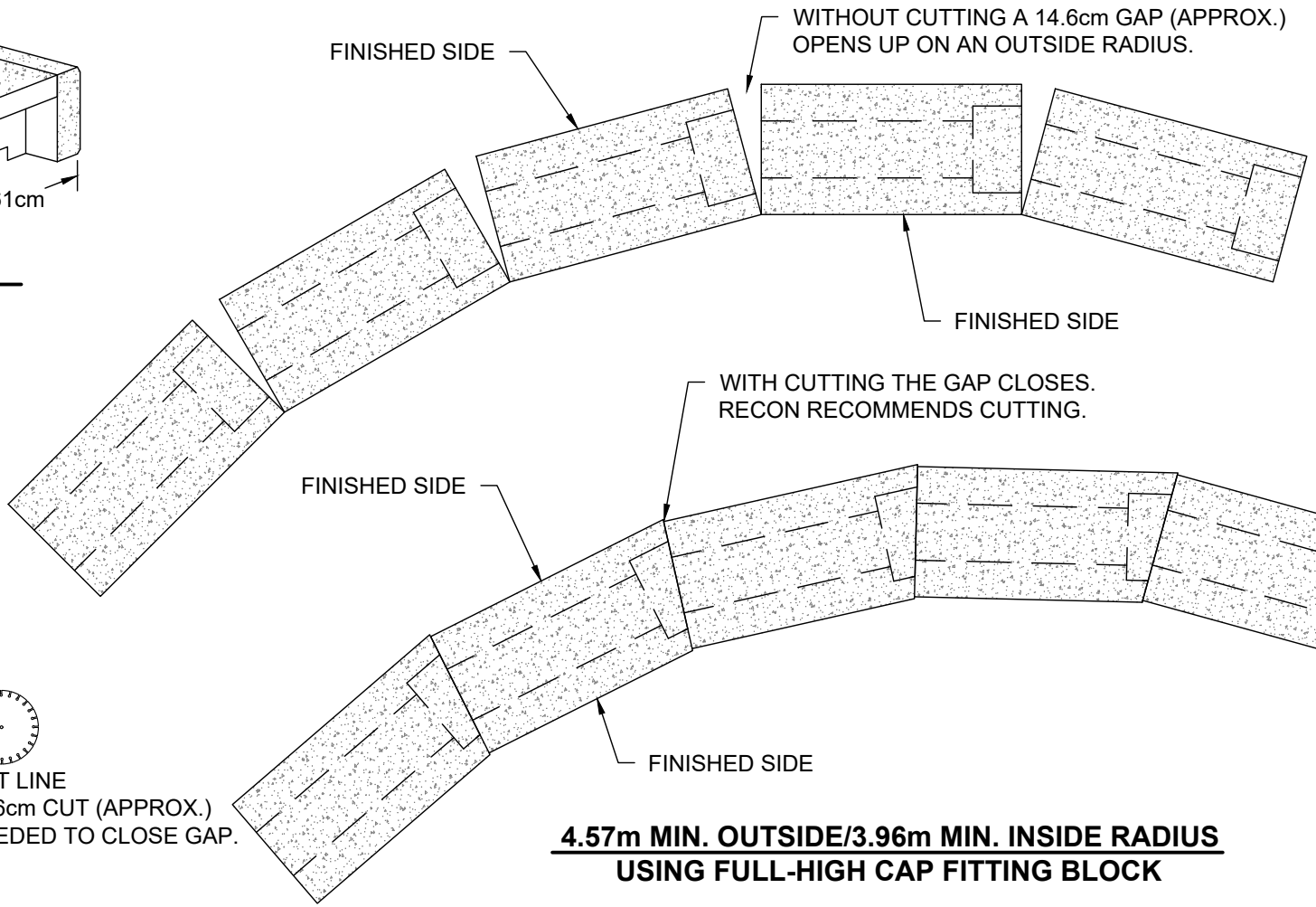
DRAWING #406



FULL-HIGH CAP FITTING BLOCK



TOP VIEW FITTING BLOCK



4.57m MIN. OUTSIDE/3.96m MIN. INSIDE RADIUS USING FULL-HIGH CAP FITTING BLOCK

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RECON Wall Systems™

FULL-HIGH CAP BLOCK CUTTING RADIUS

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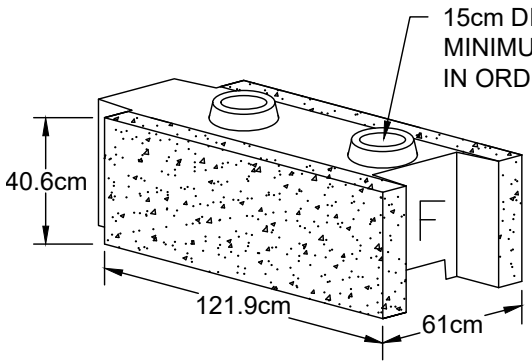
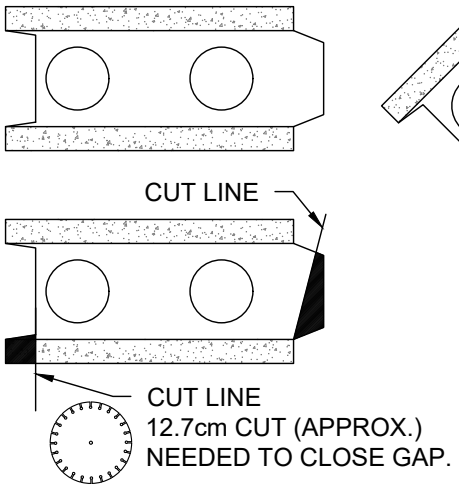
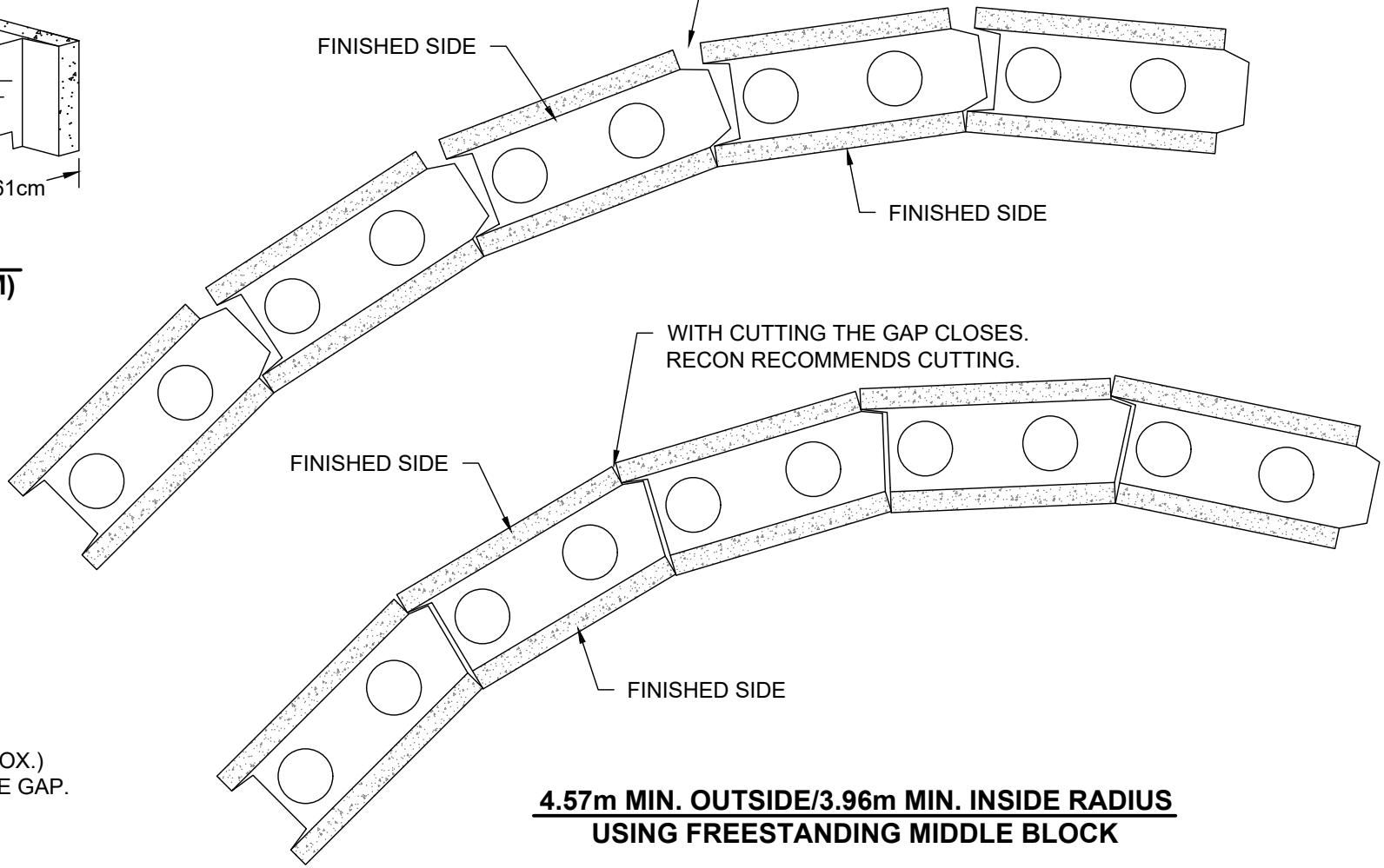
DRAWING #407



FREESTANDING MIDDLEBLOCK (FM)



TOP VIEW FM BLOCK



4.57m MIN. OUTSIDE/3.96m MIN. INSIDE RADIUS USING FREESTANDING MIDDLE BLOCK

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RECON Wall Systems™

FREESTANDING MIDDLE BLOCK CUTTING RADIUS

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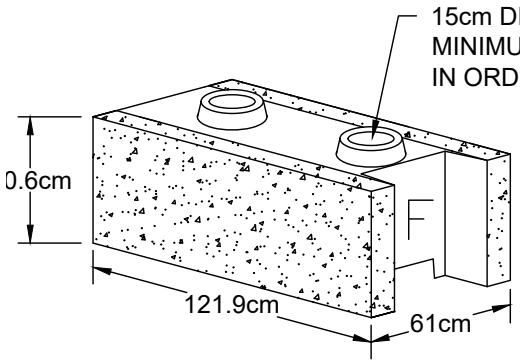
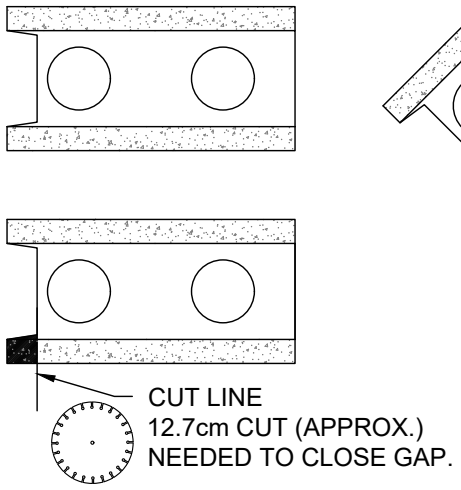
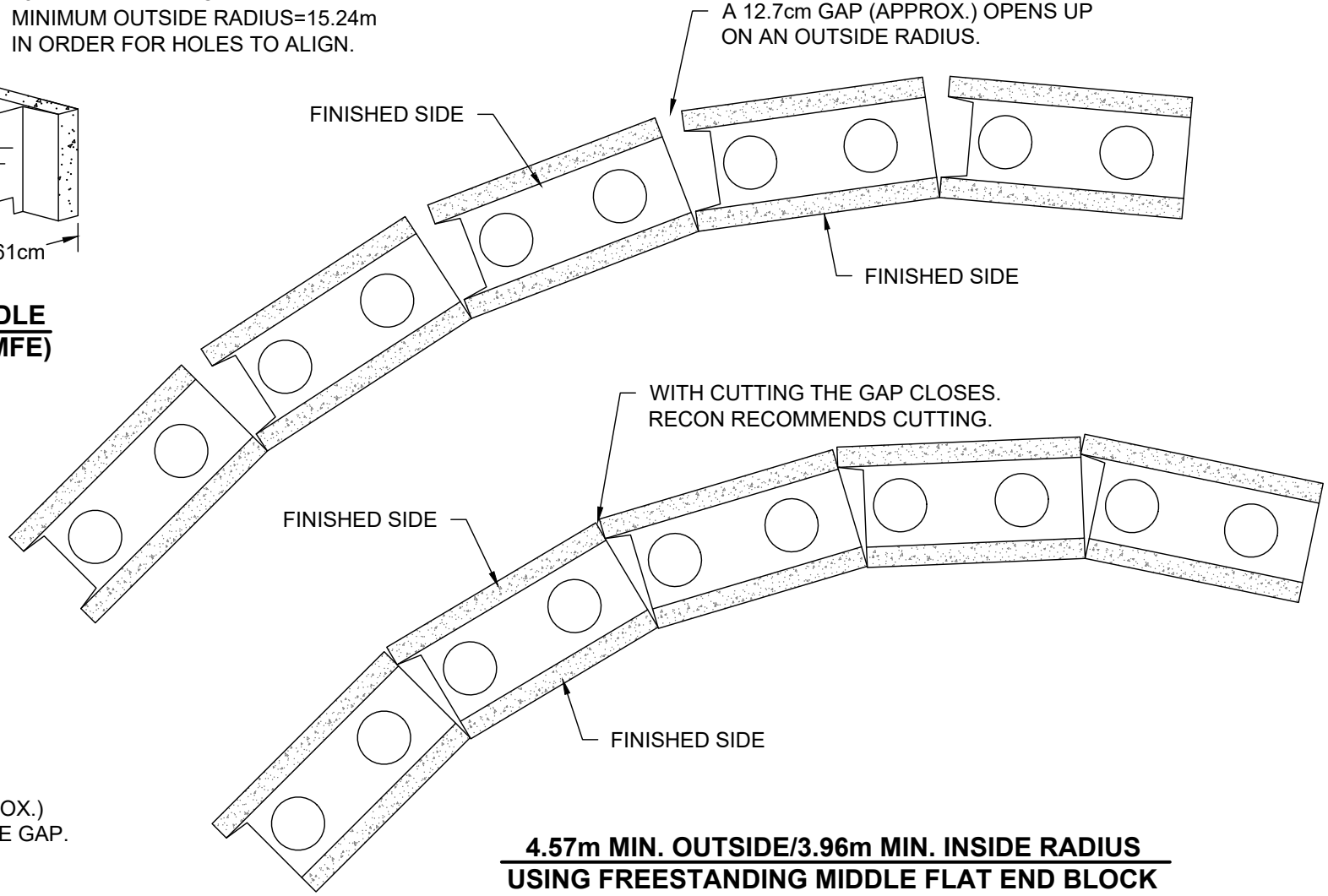
DRAWING #408



FREESTANDING MIDDLE FLAT END BLOCK (FMFE)



TOP VIEW FMFE BLOCK



4.57m MIN. OUTSIDE/3.96m MIN. INSIDE RADIUS USING FREESTANDING MIDDLE FLAT END BLOCK

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RECON Wall Systems™

FREESTANDING MIDDLE FLAT END BLOCK CUTTING RADIUS

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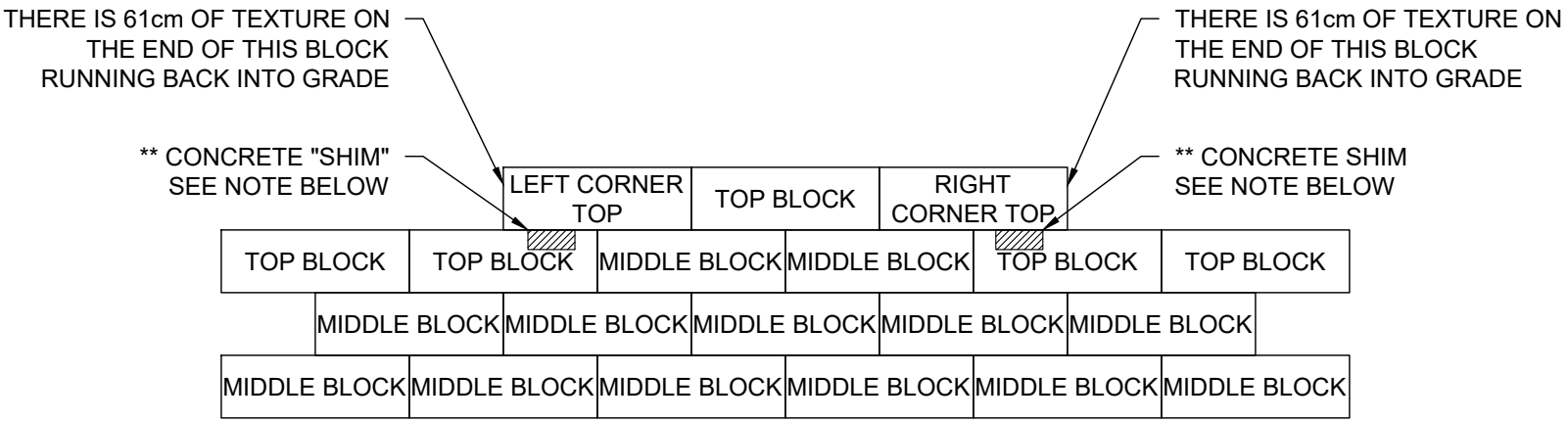
www.reconwalls.com

DRAWING #409

NOTE: THE STANDARD PLACEMENT OF A LEFT OR RIGHT CORNER TOP BLOCK IS TO PUT THE FULL 121.9cm LENGTH OF TEXTURE ON THE FRONT FACE OF THE WALL AND THE 61cm LENGTH OF TEXTURE ON THE END OF THE BLOCK RUNNING BACK INTO GRADE.



R-SERIES STANDARD TOP OF WALL
STEP UP

** NOTE: A CONCRETE "SHIM" MUST BE PLACED BETWEEN THE TOP BLOCK AND A LEFT OR RIGHT CORNER TOP BLOCK AT EACH POINT IN THE WALL WHERE THE TOP OF WALL STEPS UP. USE A STANDARD CONCRETE MASONRY UNIT (CMU) FOR THE "SHIM". THE REQUIRED THICKNESS OF THE "SHIM" IS 5" SO THE CMU WILL NEED TO BE TRIMMED ACCORDINGLY. THE "SHIM" SHOULD BE GLUED TO BOTH THE TOP BLOCK ON WHICH IT IS PLACED AND ALSO TO THE LEFT OR RIGHT CORNER TOP BLOCK ABOVE. PL PREMIUM IS THE RECOMMENDED ADHESIVE FOR GLUING THE "SHIM" IN PLACE. ANY REMAINING VOID SPACE BETWEEN THE TOP BLOCK AND THE CORNER TOP BLOCK SHOULD BE FILLED WITH CRUSHED STONE.

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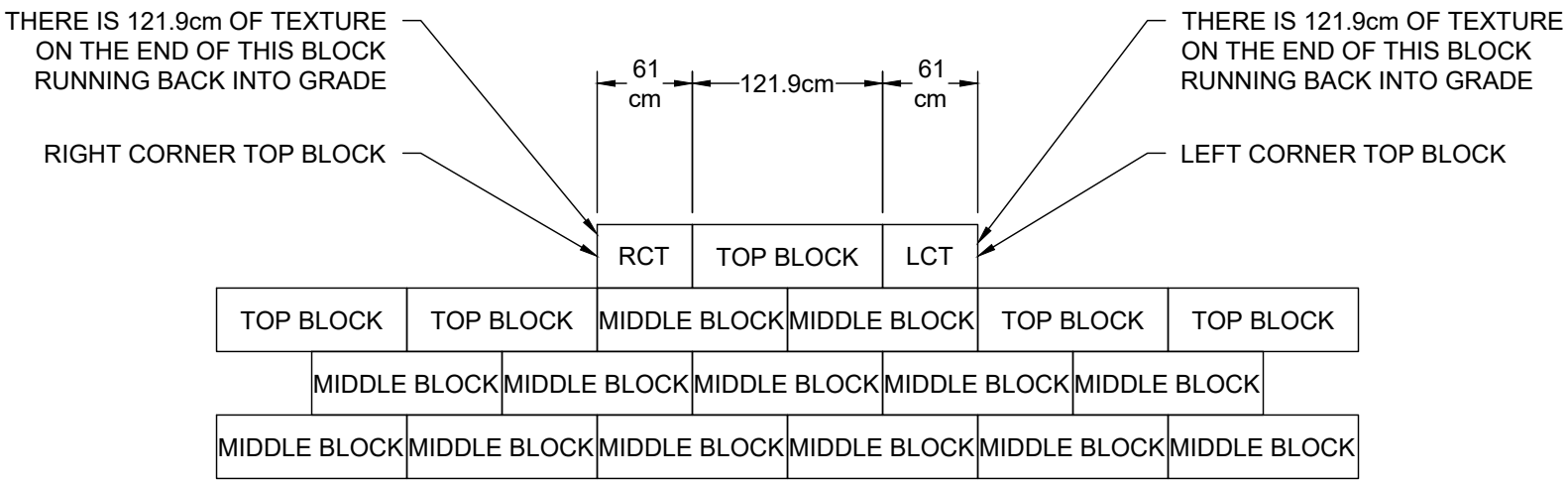
RECON Wall Systems™

R-SERIES STANDARD TOP OF WALL STEP UP

RECON WALL SYSTEMS, INC.
11521 EAGLE STREET, SUITE #3
COON RAPIDS, MN 55448
952-922-0027
www.reconwalls.com

DRAWING #410

NOTE: THE ALTERNATE TOP OF WALL STEP UP CONSISTS OF PLACING A LEFT OR RIGHT CORNER TOP BLOCK WITH THE 61cm LENGTH OF TEXTURE ON THE FRONT FACE OF THE WALL AND THE 121.9cm LENGTH OF TEXTURE ON THE END OF THE BLOCK RUNNING BACK INTO GRADE. THIS OPTION ALLOWS FOR A MORE GRADUAL SLOPE AT THE TOP OF THE WALL.



R-SERIES ALTERNATE TOP OF WALL STEP UP

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DRAWING #411