

LAYERED VEGETATED ROOF SYSTEM DETAILS



EXTENSIVE VEGETATED SYSTEM SECTIONS*

- LGR1.01a 3" DEPTH EXTENSIVE LAYERED GREEN ROOF
- LGR1.01b 4" DEPTH EXTENSIVE LAYERED GREEN ROOF

INTENSIVE VEGETATED SYSTEM SECTIONS*

- LGR1.02a 6" DEPTH INTENSIVE LAYERED GREEN ROOF
- LGR1.02b 8" DEPTH INTENSIVE LAYERED GREEN ROOF
- LGR1.03a INTENSIVE LAYERED GREEN ROOF
- LGR1.03b INTENSIVE LAYERED SYSTEM W/LIGHTWEIGHT FILL
- LGR1.04a INTENSIVE LAYERED **METAL PLANTER ASSEMBLY**
- LGR1.04b INTENSIVE LAYERED **CONCRETE PLANTER ASSEMBLY**
- LGR1.05 INTENSIVE TURF LAYERED GREEN ROOF

*These are many of the most common options, media depths are flexible to your project needs

PLANTING OPTIONS

- LGR2.01 PREGROWN SEDUM
- LGR2.02 PLUG PLANTING
- LGR2.03 SEDUM CUTTINGS
- LGR2.04 CONTAINER PLANTING

VEGETATED SYSTEM AT PEDESTAL PAVERS AND BALLAST ROCK

- LGR3.01 GREEN ROOF AT BALLAST ROCK
- LGR3.02 GREEN ROOF AT **PEDESTAL PAVERS**
- LGR3.03 GREEN ROOF W/GEOFOAM AT PEDESTAL PAVERS

LAYERED GREEN ROOF DRAINS AND PENETRATIONS

- LGR4.01 GREEN ROOF AT ROOF DRAIN
- LGR4.02 GREEN ROOF AT ROOF PENETRATION

LAYERED GREEN ROOF EDGER DETAIL

- LGR5.01 3" MEDIA DEPTH GREEN ROOF EDGE CONDITION
- LGR5.02 4" MEDIA DEPTH GREEN ROOF EDGE CONDITION
- LGR5.03 6" MEDIA DEPTH GREEN ROOF EDGE CONDITION
- LGR5.04 8"+ MEDIA DEPTH GREEN ROOF EDGE CONDITION

LAYERED GREEN ROOF IRRIGATION

- LGR6.01 TYPICAL SPRAY IRRIGATION

CGT SYSTEMS ARE INSTALLED OVER ALL WATERPROOFING AND ROOF MEMBRANE TYPES.

COLUMBIA GREEN TECHNOLOGIES' SYSTEMS SERVES AS A BALLAST TO BUILDING THE INSULATION. CGT PROVIDES A THERMAL INSULATION

WARRANTY AND CAN PROVIDE WIND WARRANTY COVERAGE WHEN REQUIRED, CONTACT US.

CONTACT: info@columbia-green.com
503.327.8723

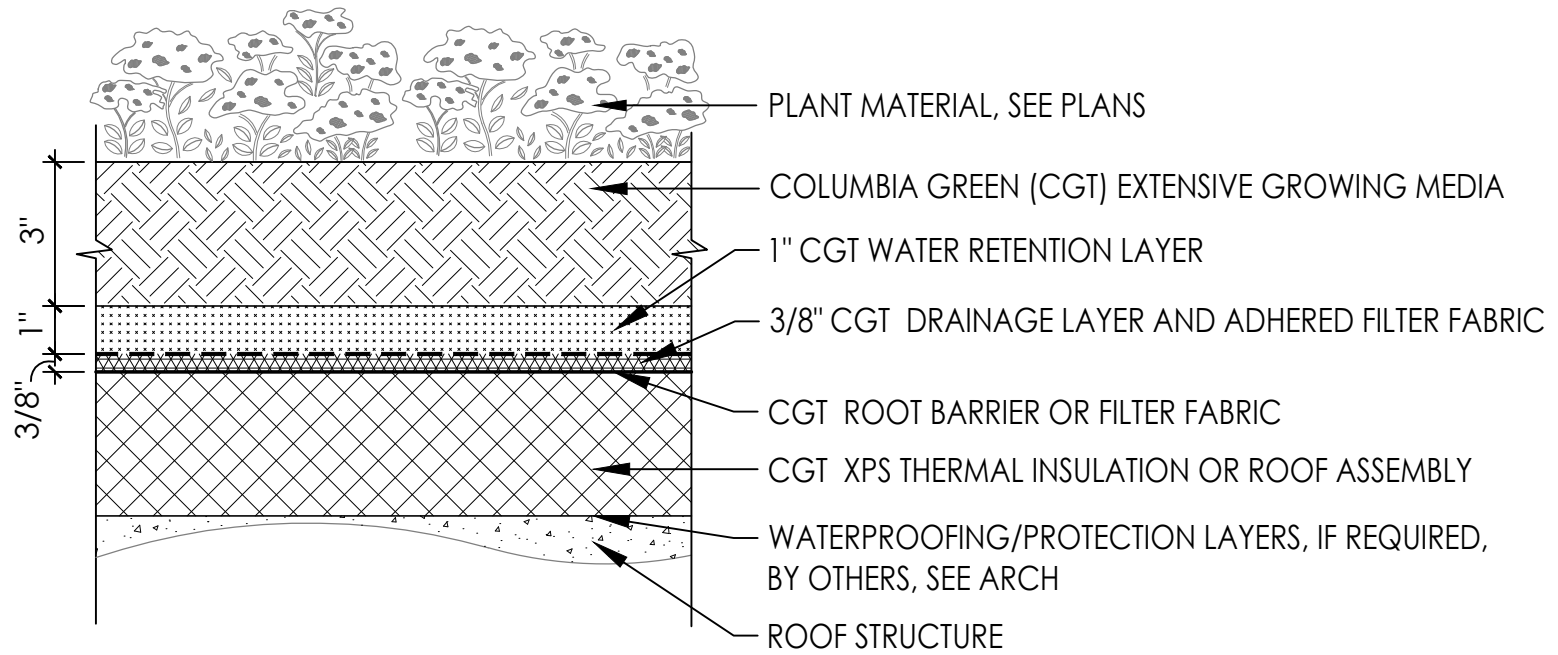


LGR0.00

INDEX: LAYERED VEGETATED ROOF DETAILS

LAYERED SYSTEM

DETAIL SCALE: AS SHOWN



NOTE:

1. COMPONENTS SHOWN AT NOMINAL SIZE, SLIGHT COMPRESSION MAY OCCUR AT RETENTION LAYER.
2. CGT SYSTEM SERVES AS A BALLAST TO BUILDING INSULATION. CGT PROVIDES THERMAL INSULATION WARRANTY AND CAN PROVIDE WIND WARRANTY COVERAGE WHEN REQUIRED, CONTACT US.
3. CGT SYSTEMS ARE INSTALLED OVER ALL WATERPROOFING AND ROOF MEMBRANE TYPES.

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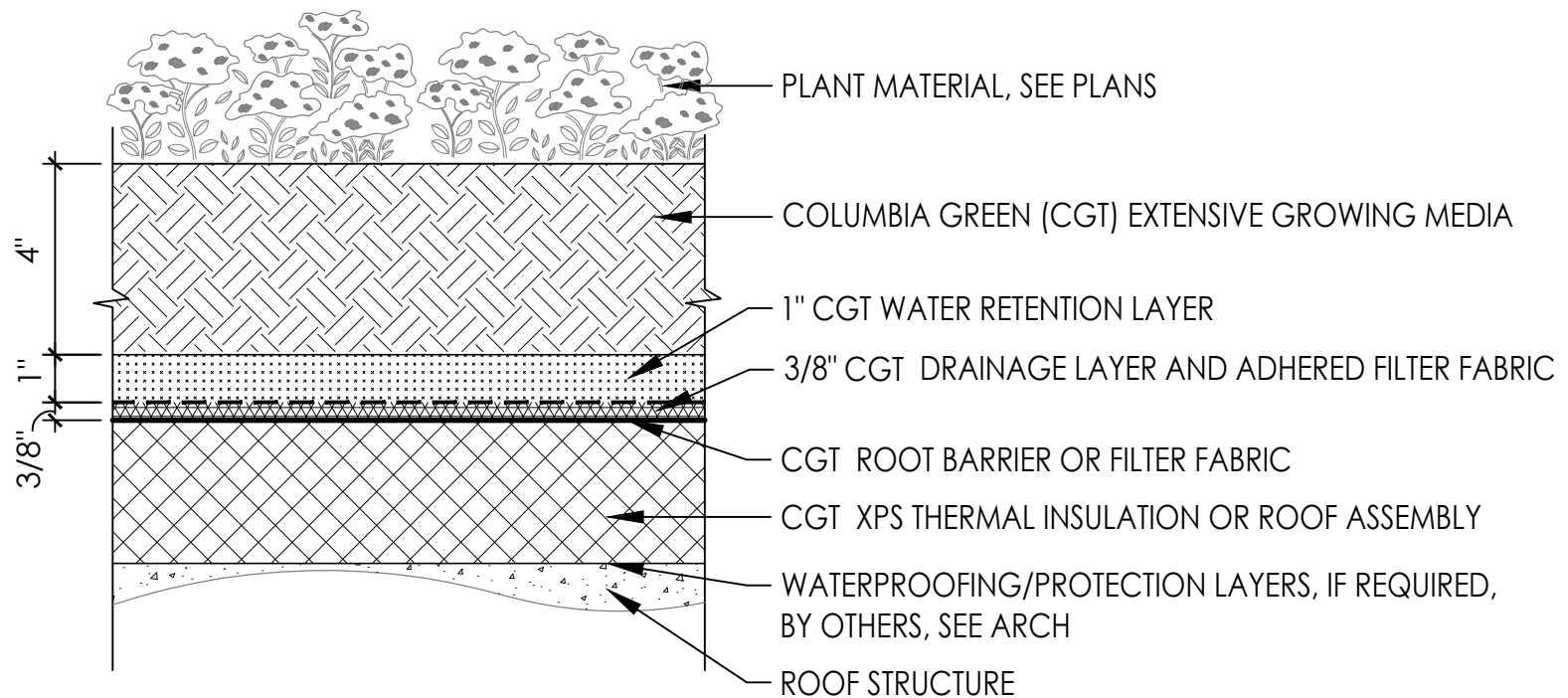


LGR1.01a

3" DEPTH EXTENSIVE LAYERED GREEN ROOF

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



NOTE:

1. COMPONENTS SHOWN AT NOMINAL SIZE, SLIGHT COMPRESSION MAY OCCUR AT RETENTION LAYER.
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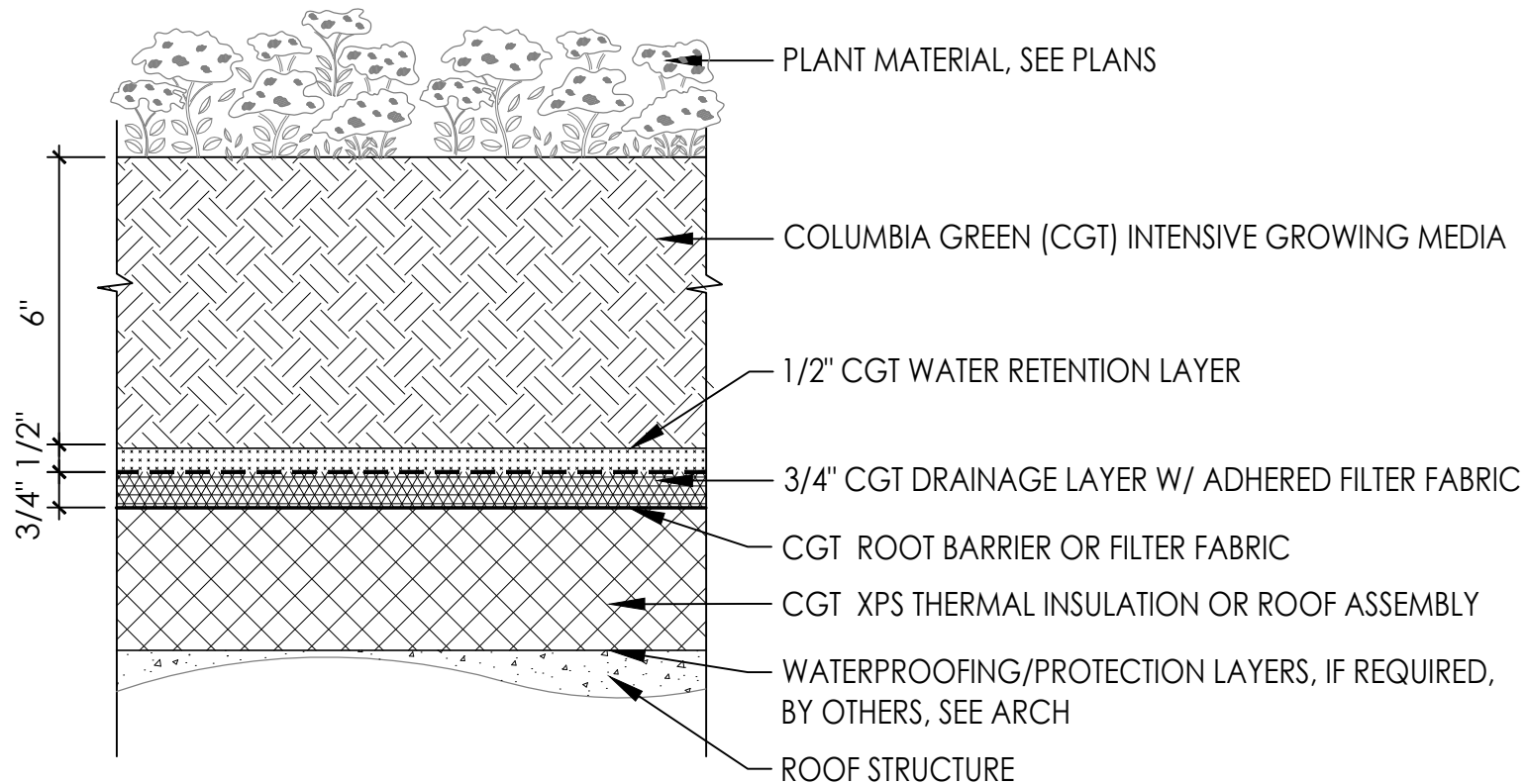


LGR1.01b

4" DEPTH EXTENSIVE LAYERED GREEN ROOF

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



NOTE:

1. COMPONENTS SHOWN AT NOMINAL SIZE, SLIGHT COMPRESSION MAY OCCUR AT RETENTION LAYER.
2. CGT SYSTEM SERVES AS A BALLAST TO BUILDING INSULATION. CGT PROVIDES THERMAL INSULATION WARRANTY AND CAN PROVIDE WIND WARRANTY COVERAGE WHEN REQUIRED, CONTACT US.
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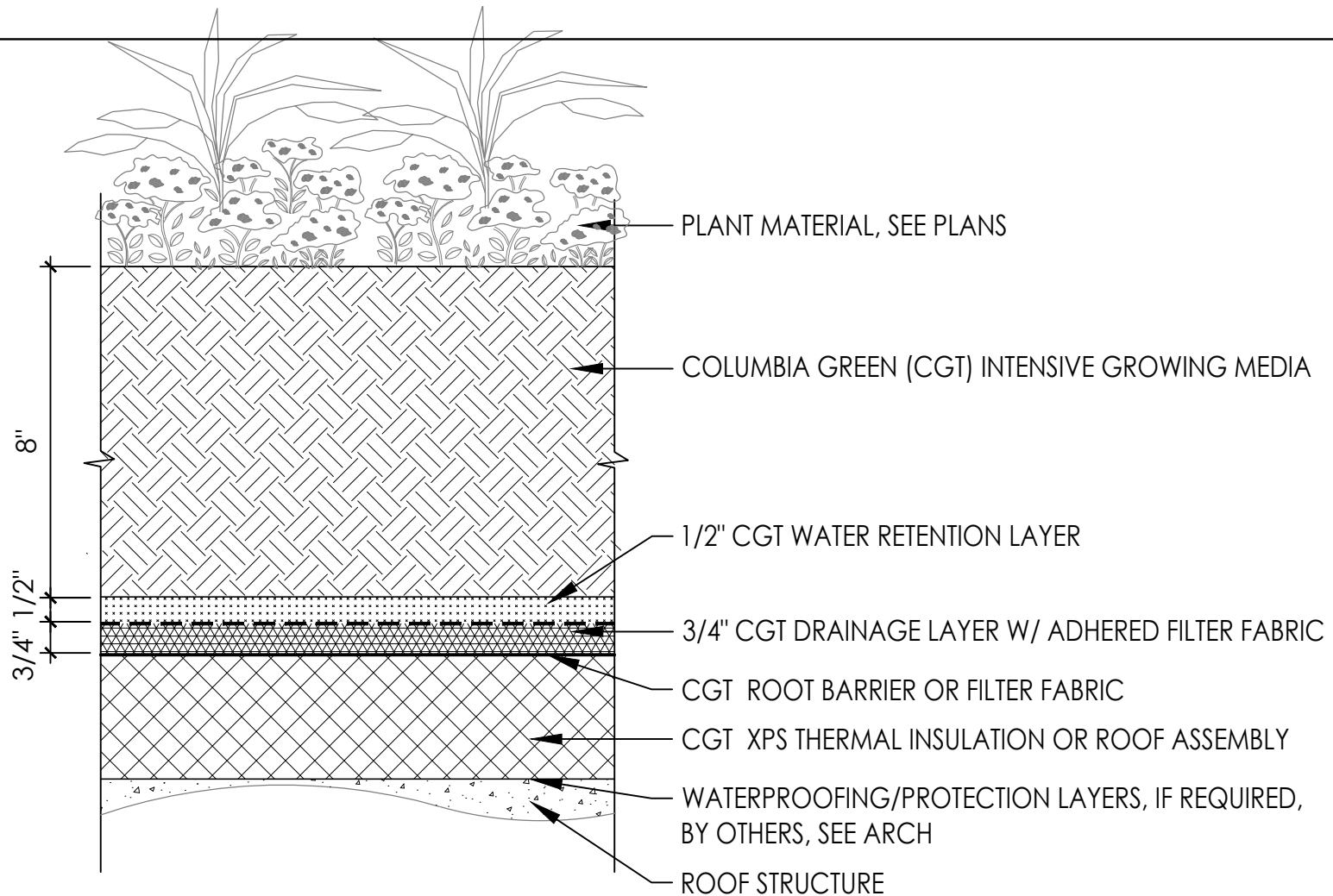


LGR1.02a

6" DEPTH INTENSIVE LAYERED GREEN ROOF

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



NOTE:

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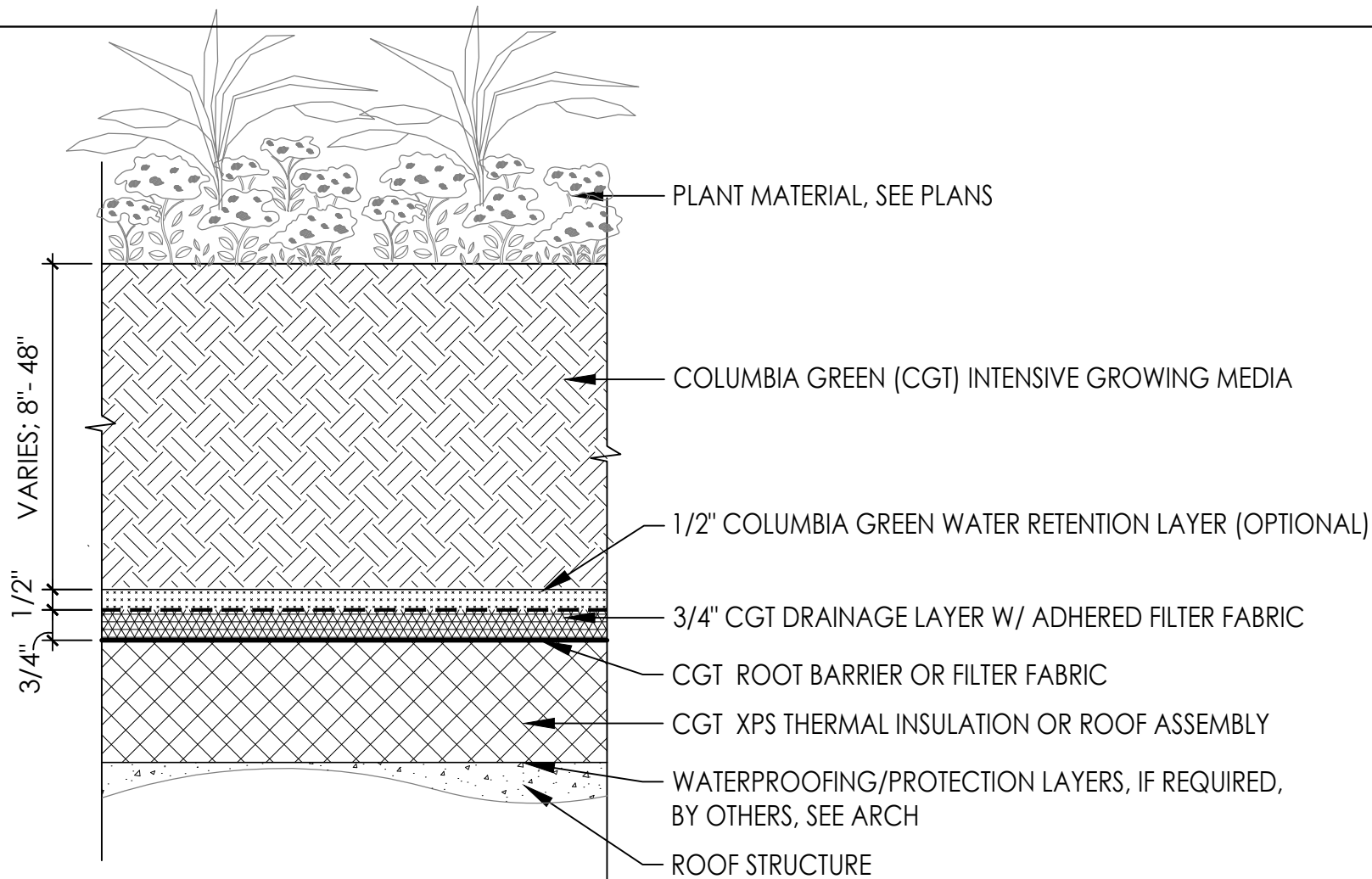


LGR1.02b

8" DEPTH INTENSIVE LAYERED GREEN ROOF

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



NOTE:

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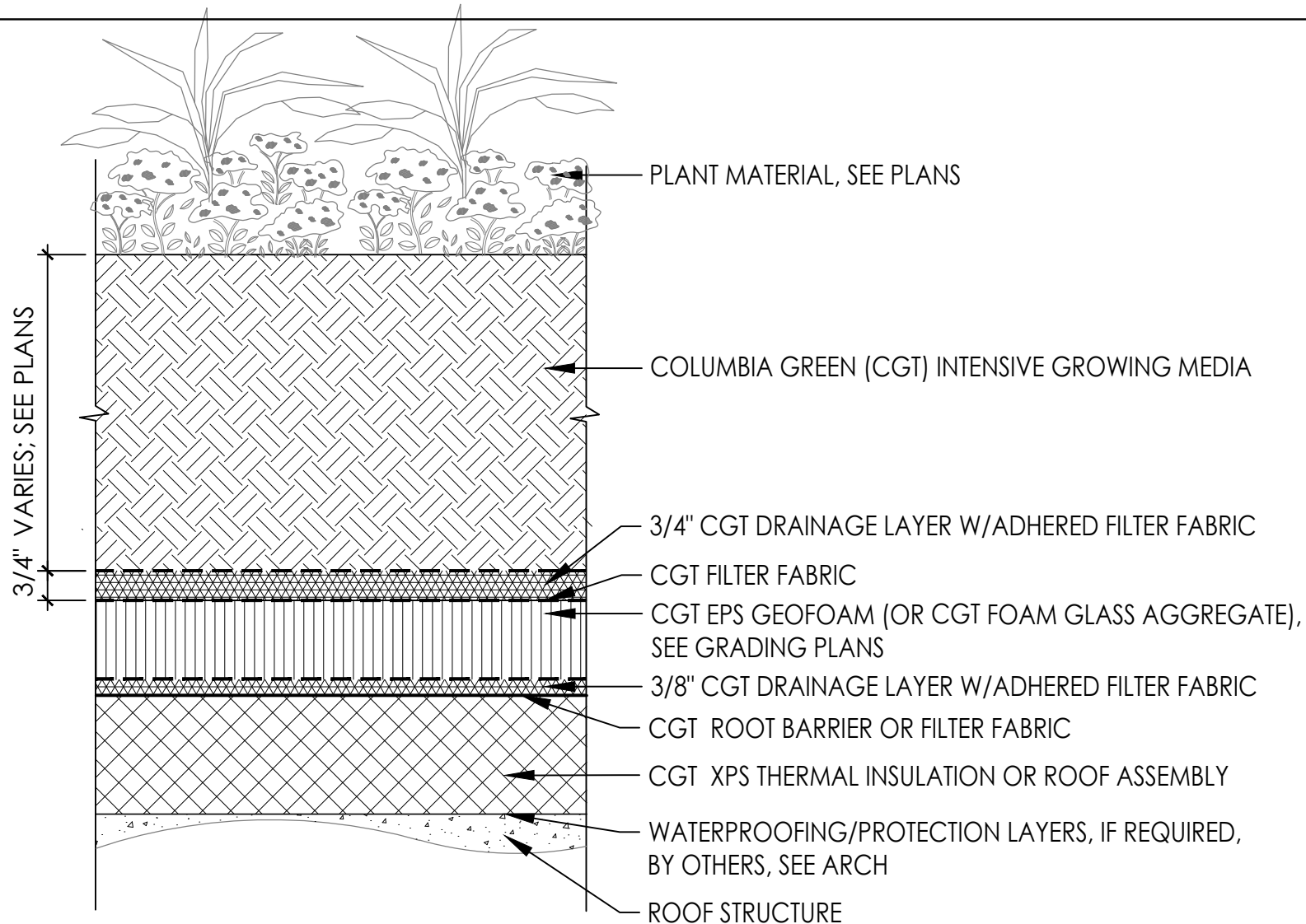


LGR1.03a

INTENSIVE LAYERED GREEN ROOF

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



NOTE:

1. CGT SYSTEM SERVES AS A BALLAST TO BUILDING INSULATION. CGT PROVIDES THERMAL INSULATION WARRANTY AND CAN PROVIDE WIND WARRANTY COVERAGE WHEN REQUIRED, CONTACT US.
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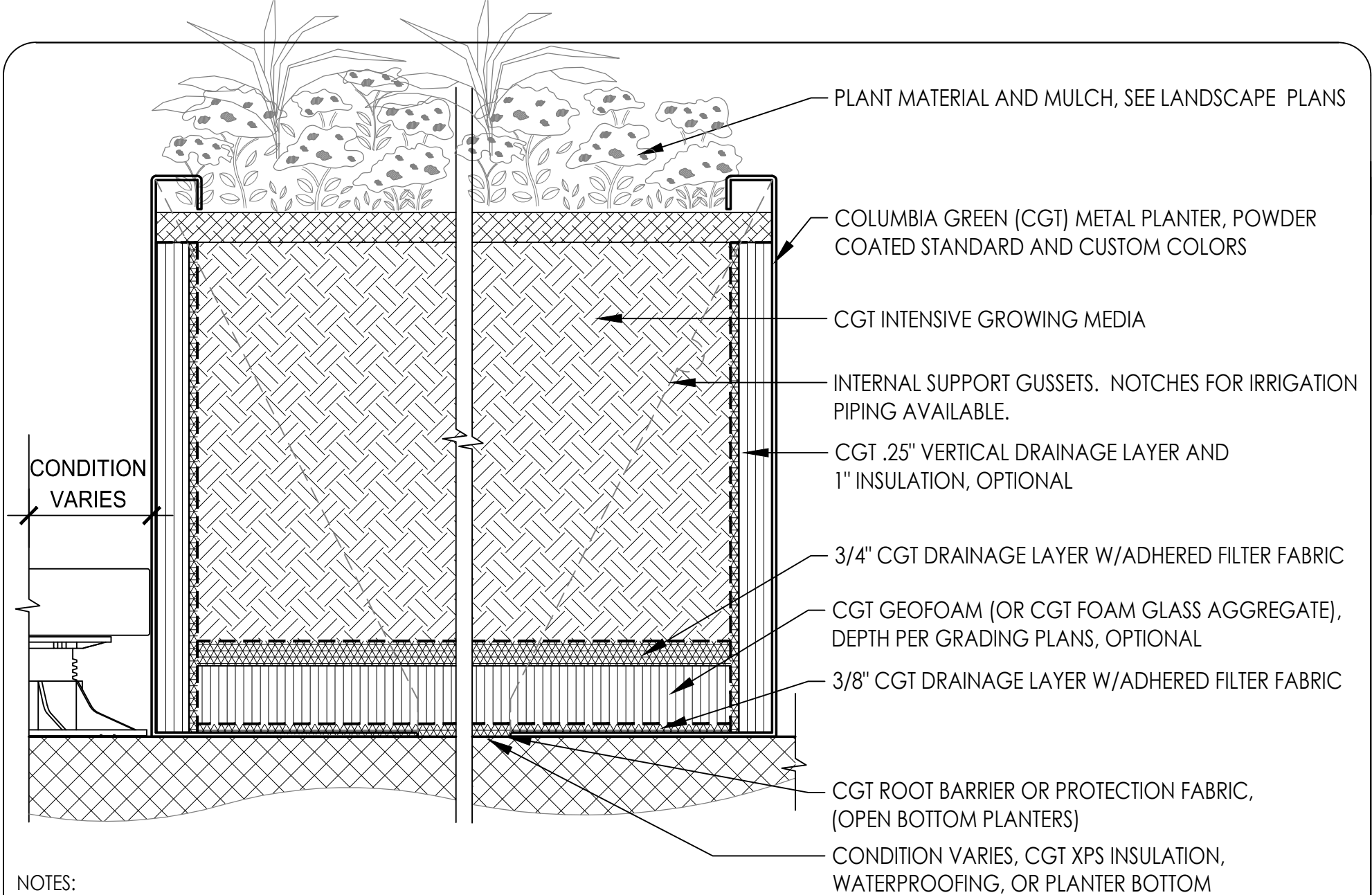


LGR1.03b

INTENSIVE LAYERED SYSTEM W/ LIGHTWEIGHT FILL

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



NOTES:

1. CGT SYSTEM SERVES AS A BALLAST TO INSULATION. CGT PROVIDES THERMAL INSULATION WARRANTY AND CAN PROVIDE WIND WARRANTY COVERAGE WHEN REQUIRED, CONTACT US.
2. CUSTOM OPTIONS FOR IRRIGATION ROUTING AND LIGHTING/ACCESSORY POCKETS AVAILABLE.

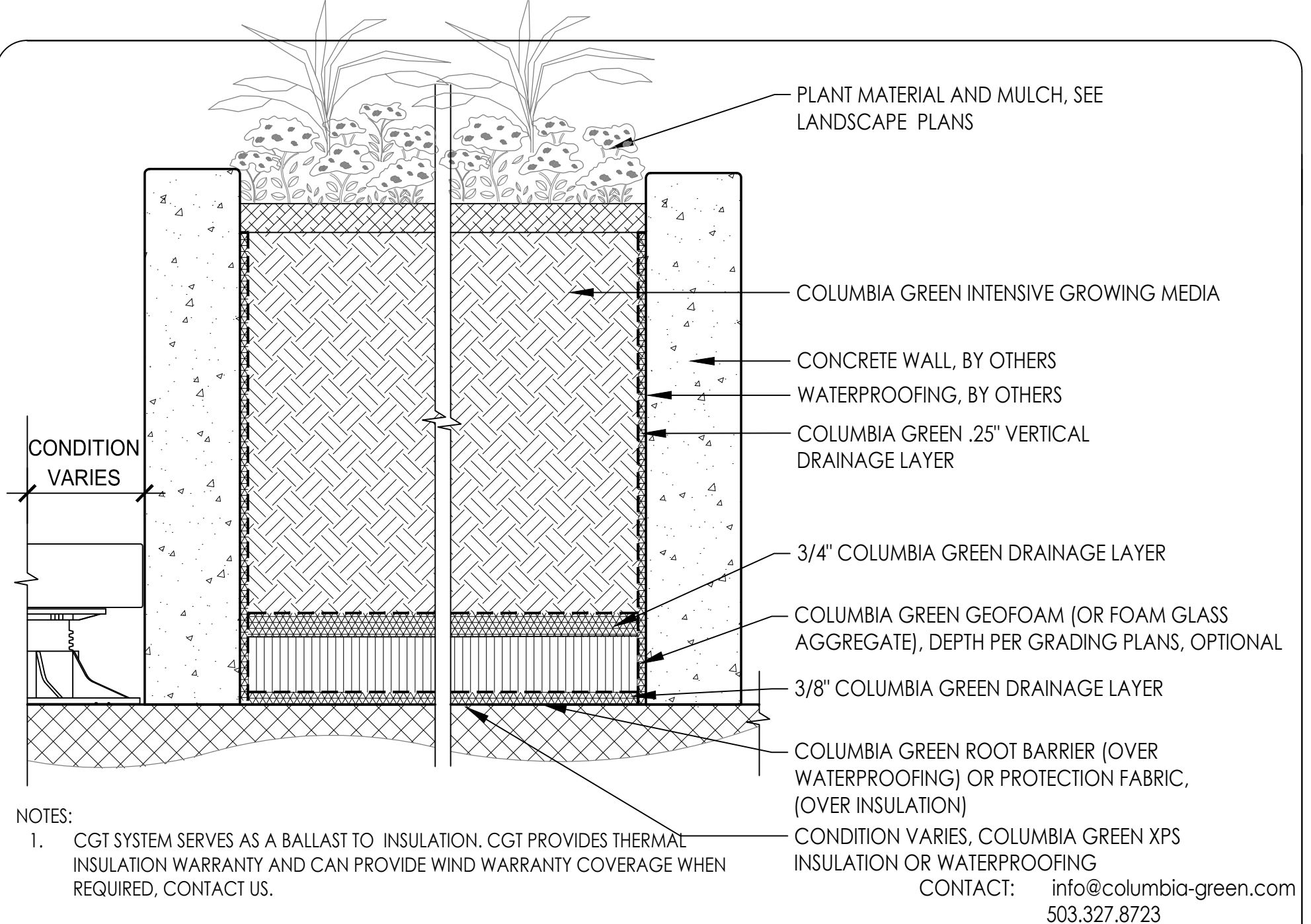
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**COLUMBIA
GREEN**
TECHNOLOGIES®

LGR1.04a

INTENSIVE LAYERED METAL PLANTER ASSEMBLY

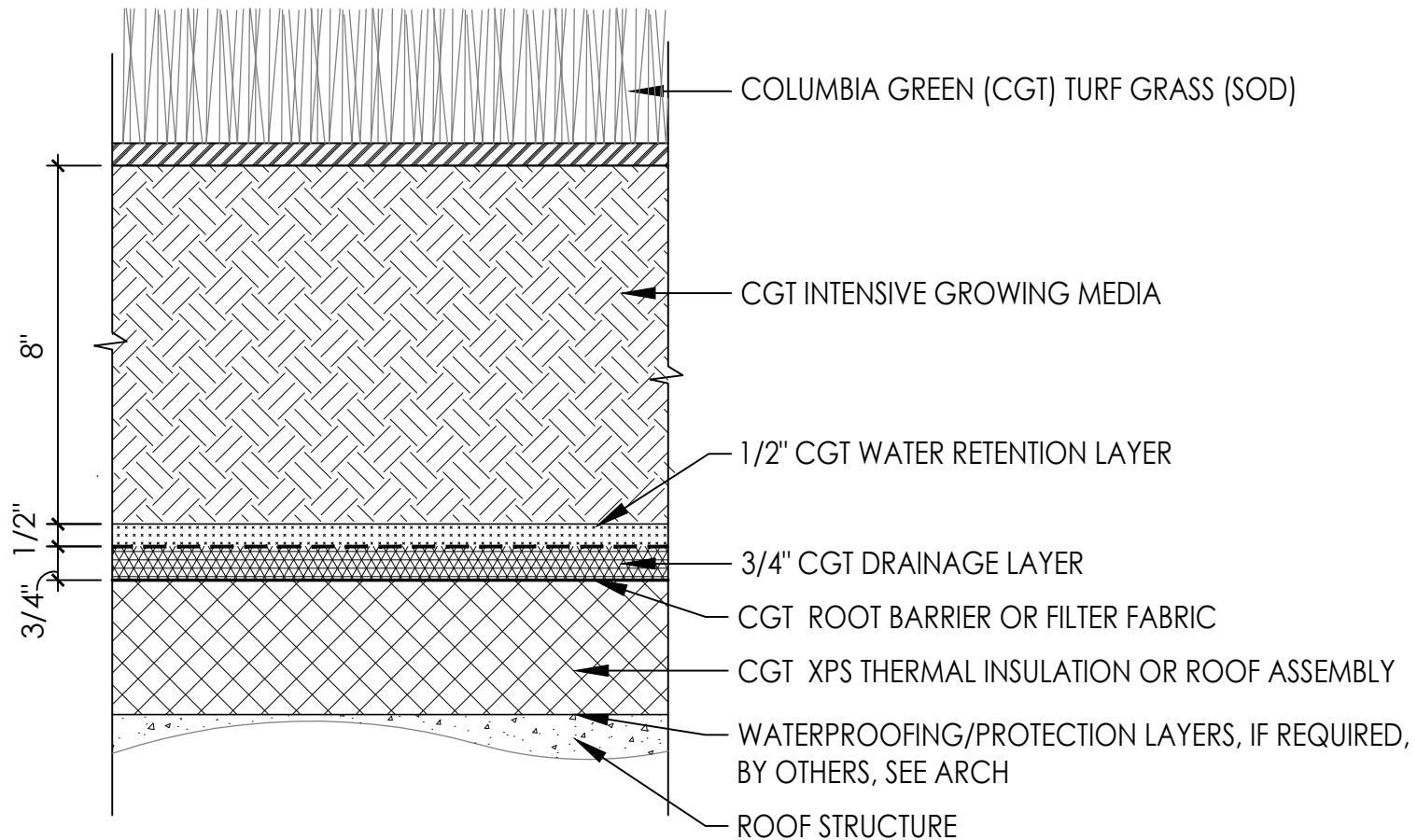
PLANTER LAYERED SYSTEM | DETAIL SCALE: 3"=1'-0"



LGR1.04b

INTENSIVE LAYERED CONCRETE PLANTER ASSEMBLY

PLANTER LAYERED SYSTEM DETAIL SCALE: 3"=1'-0"



NOTE:

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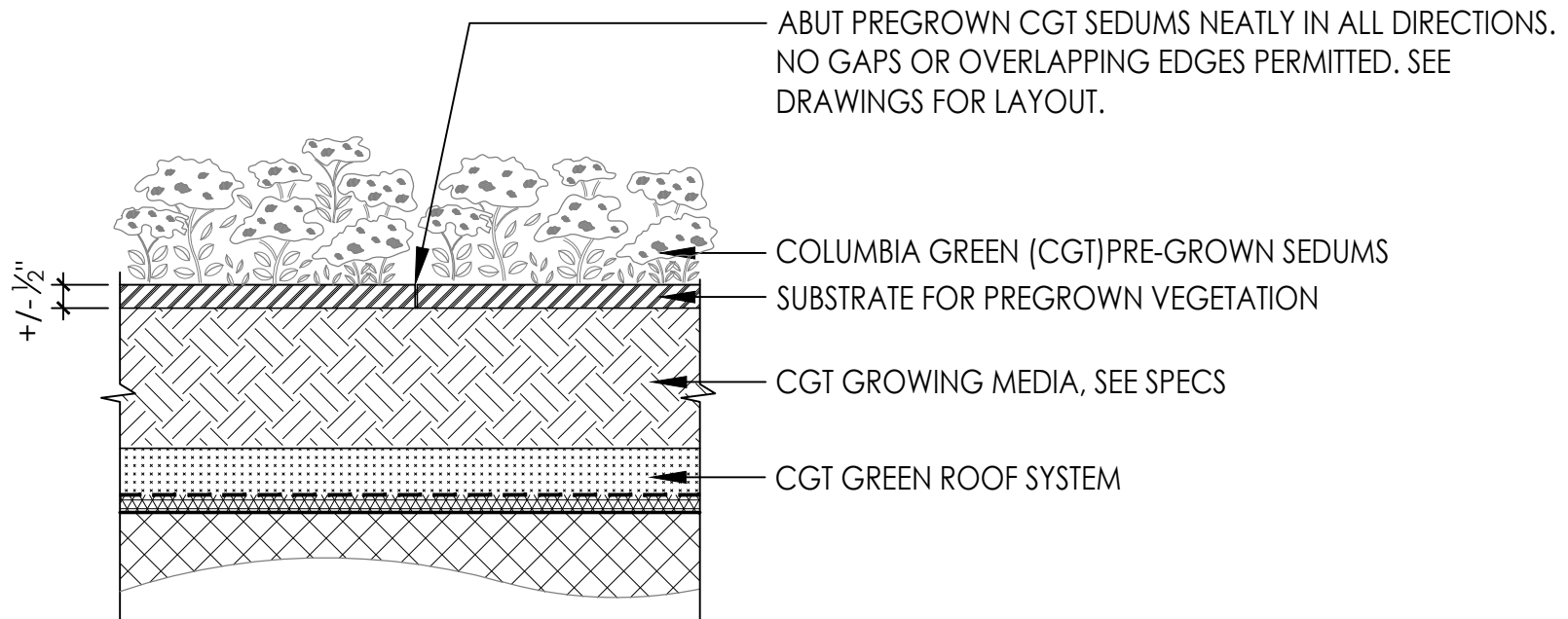


LGR1.05a

INTENSIVE LAYERED TURF GREEN ROOF

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



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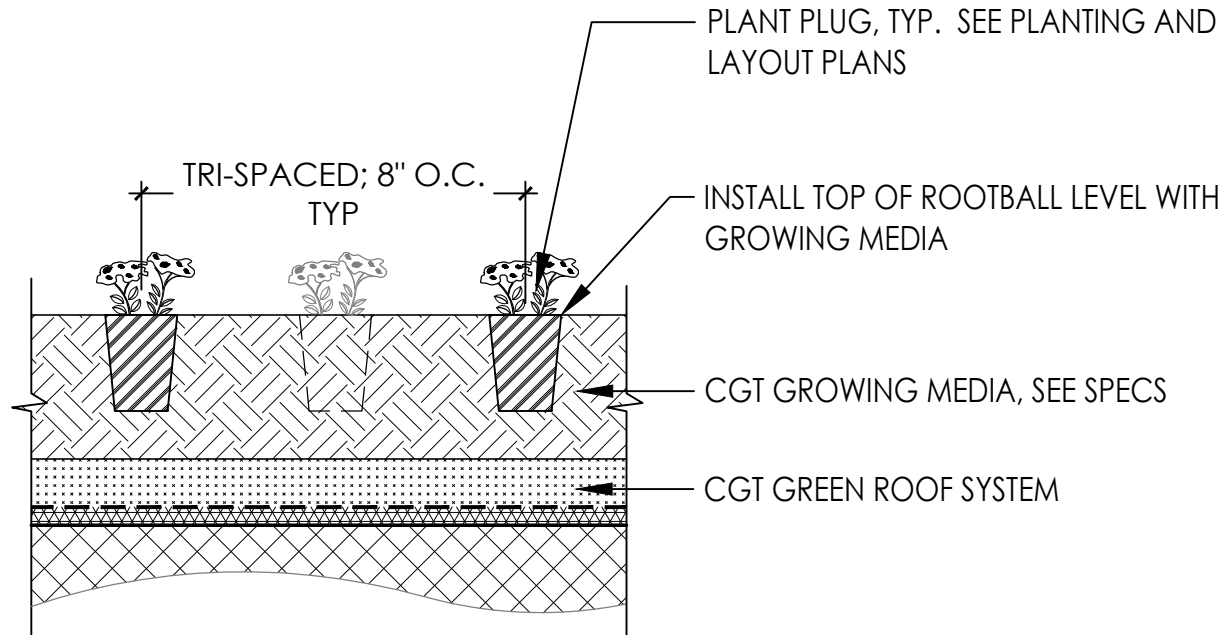


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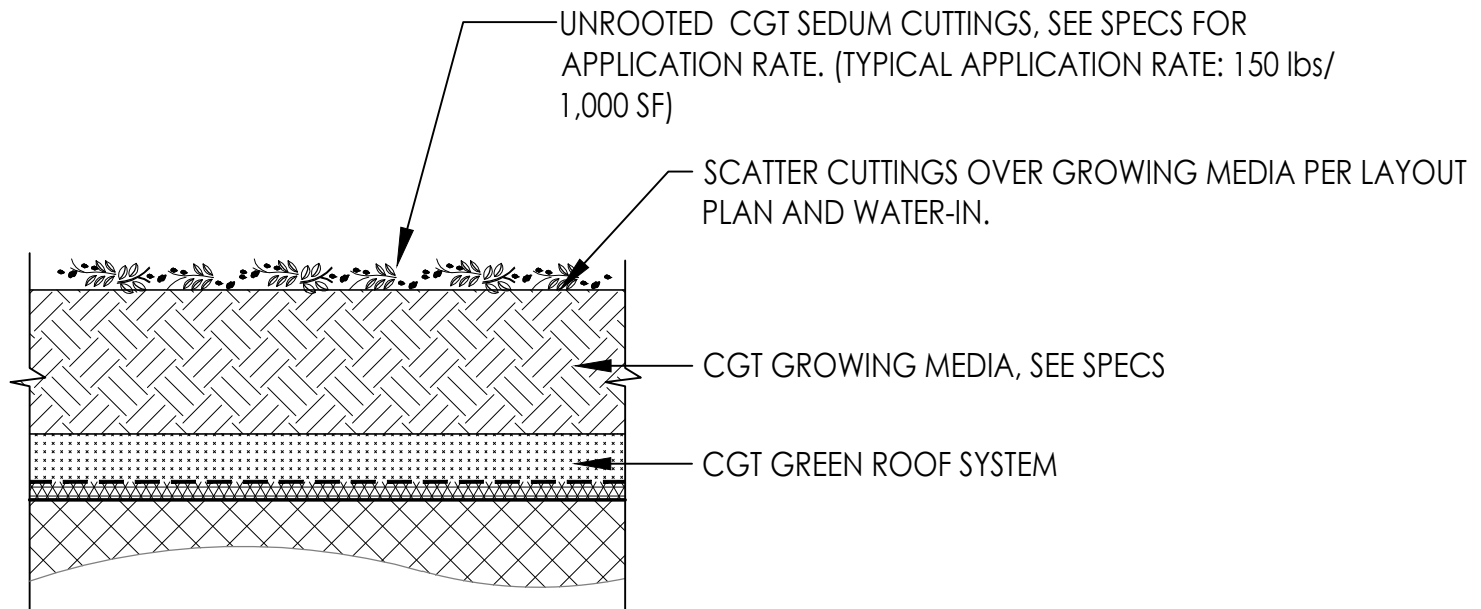
PLANTING METHOD: PREGROWN SEDUM

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



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503.327.8723



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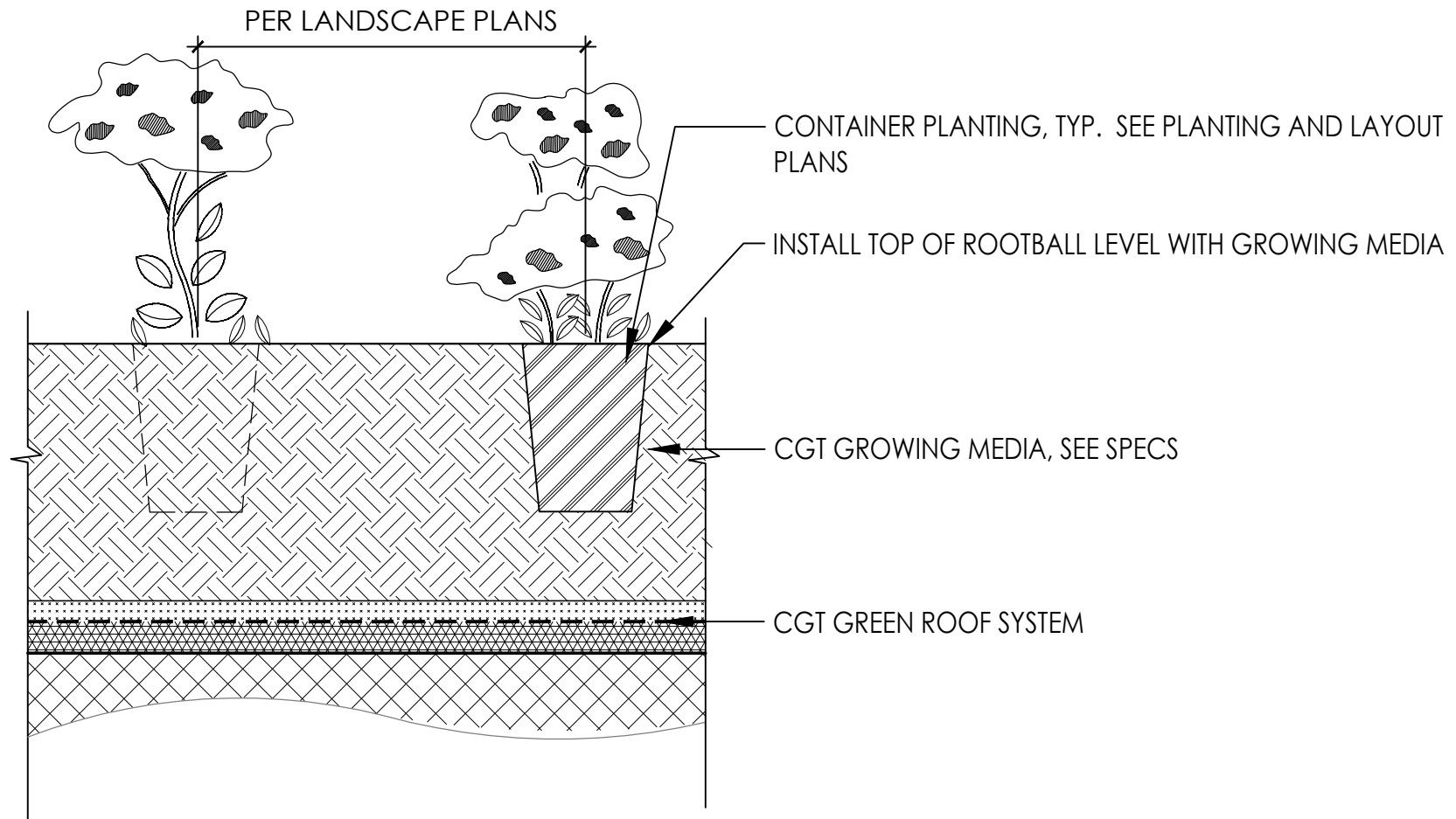


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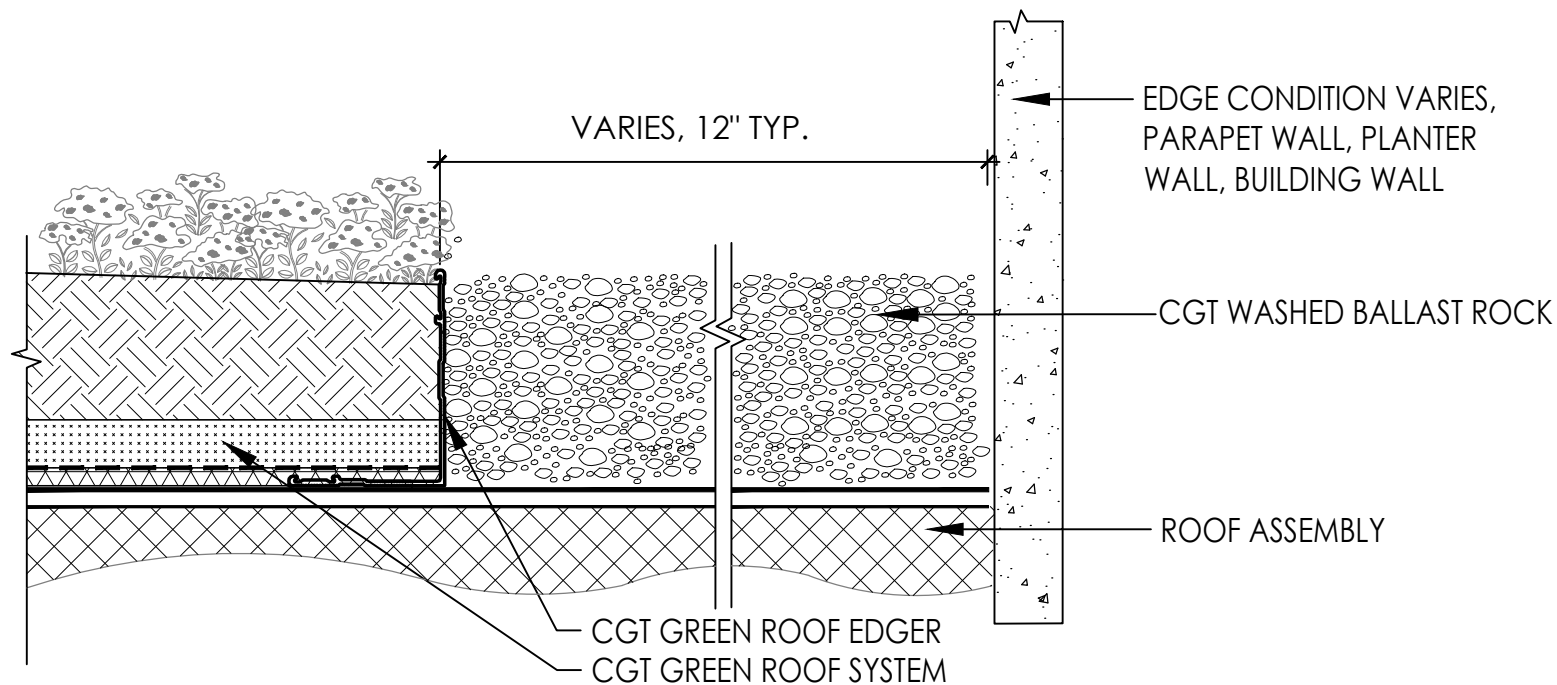
PLANTING METHOD: SEDUM CUTTINGS

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



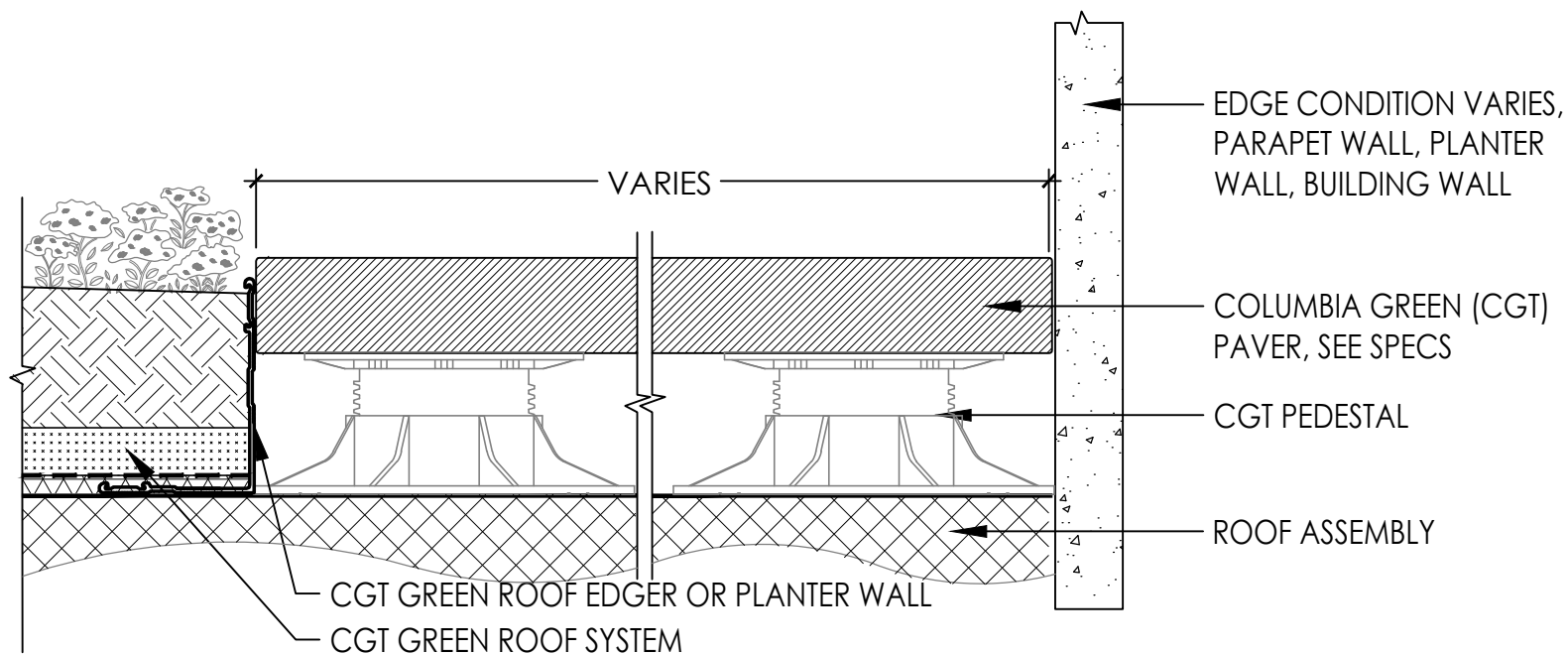
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NOTE:

1. CGT SYSTEM INCLUDING BALLAST ROCK AND PAVERS SERVE AS A BALLAST TO BUILDING INSULATION. CGT PROVIDES THERMAL INSULATION WARRANTY AND CAN PROVIDE WIND WARRANTY COVERAGE WHEN REQUIRED, CONTACT US.
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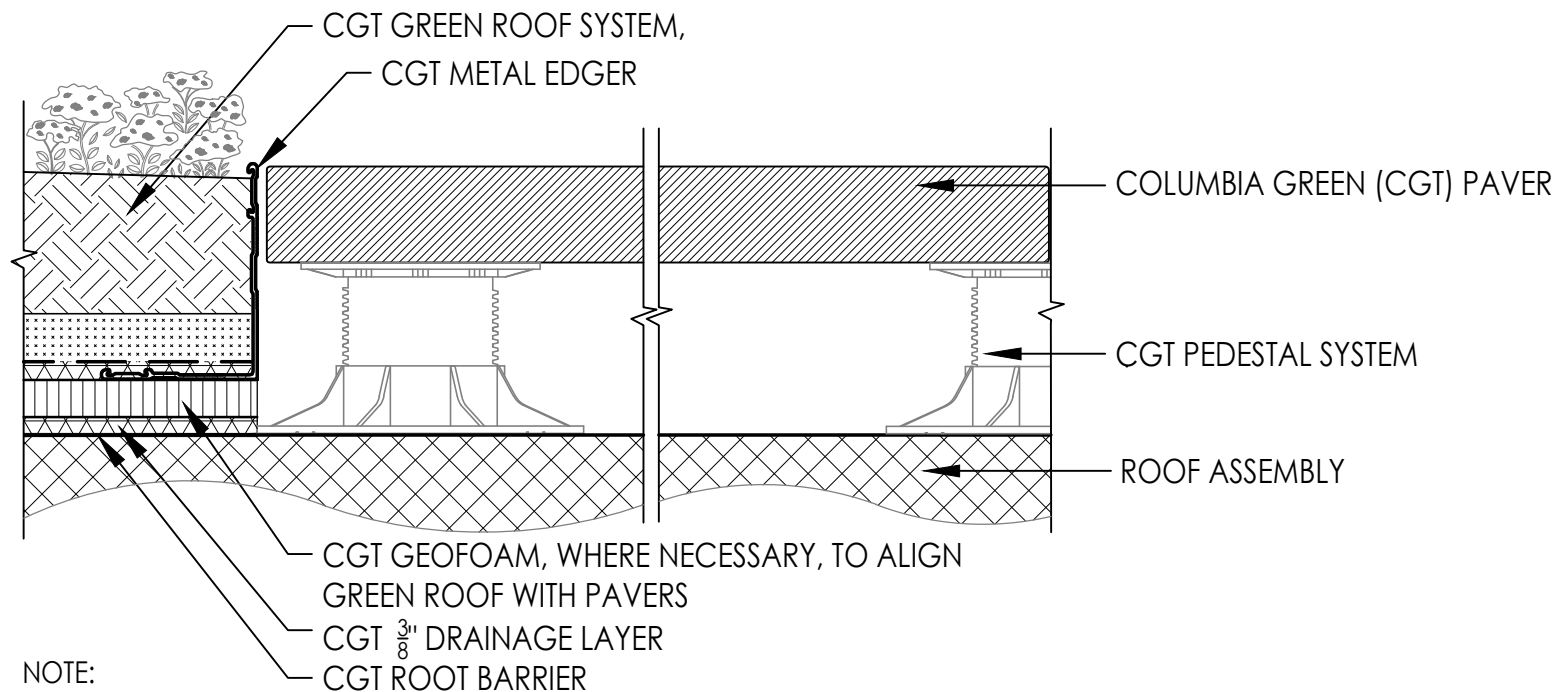
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NOTE:

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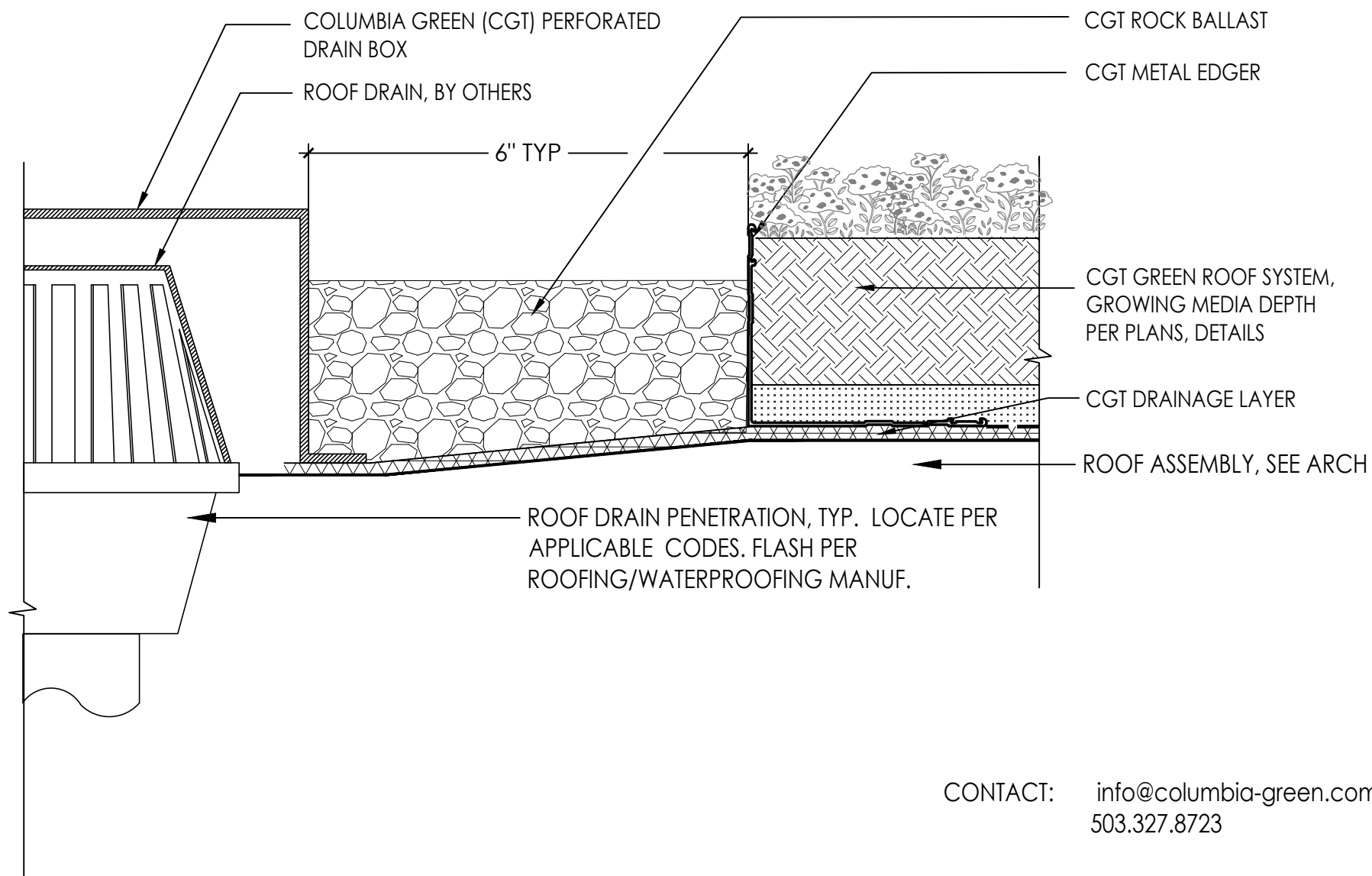


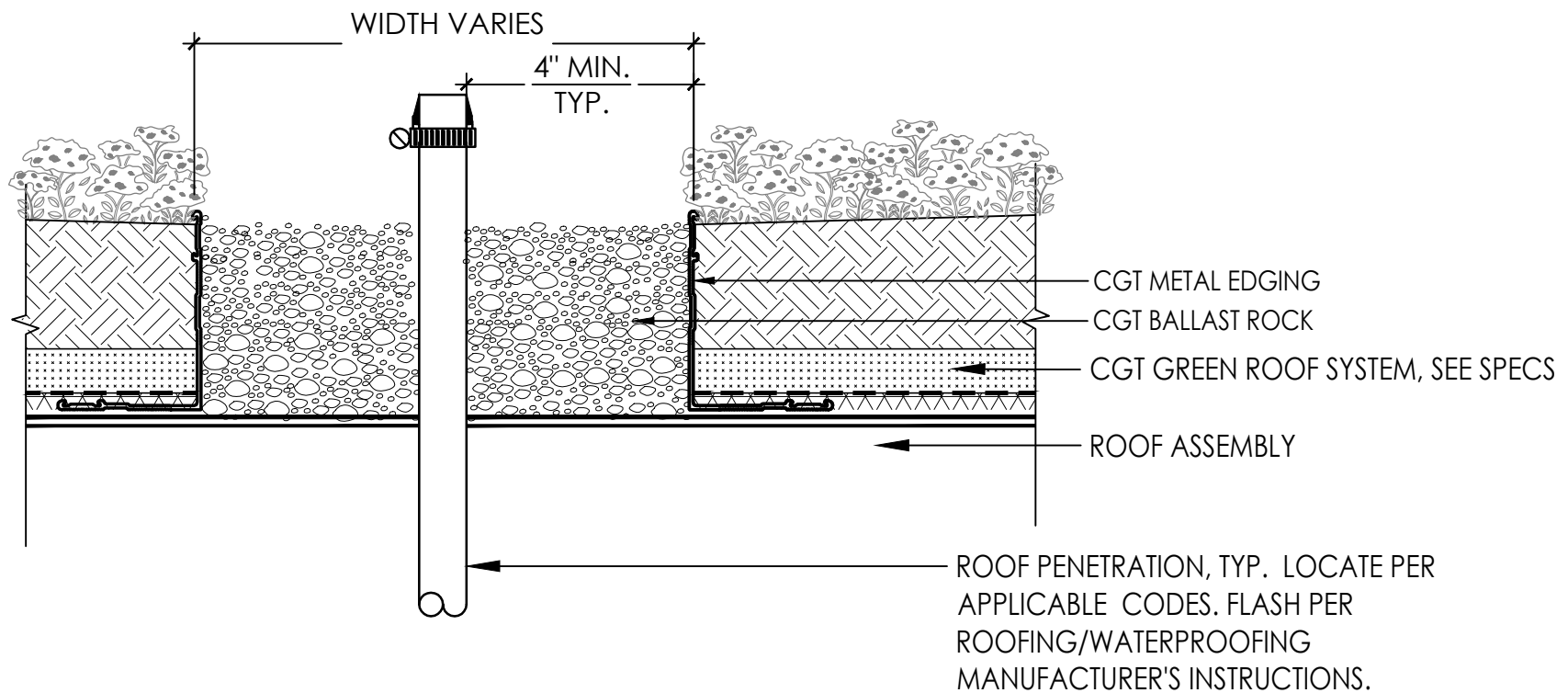
LGR3.03

GREEN ROOF W/ GEOFOAM AT PEDESTAL PAVERS

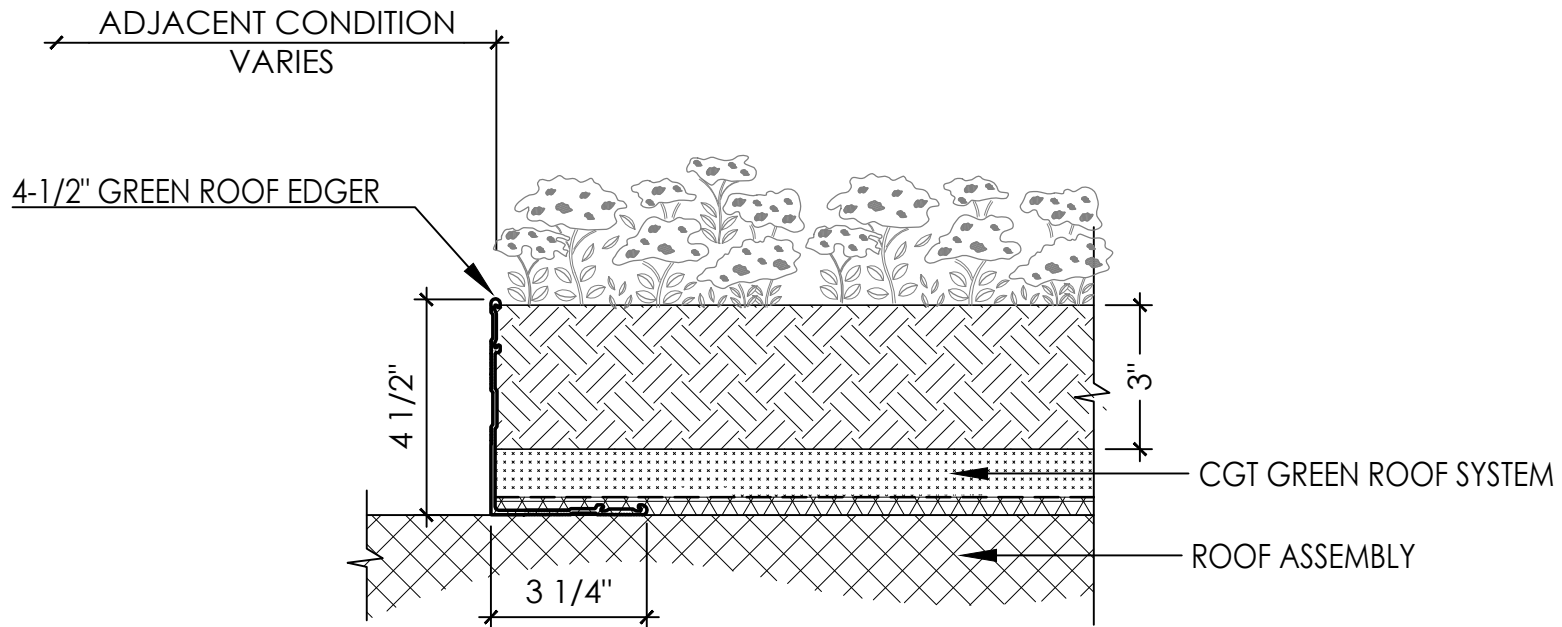
LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"





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NOTE:

1. EDGER IS HELD IN PLACE BY WEIGHT OF GREEN ROOF SYSTEM. NO MECHANICAL FASTENING TO THE ROOF IS REQUIRED.

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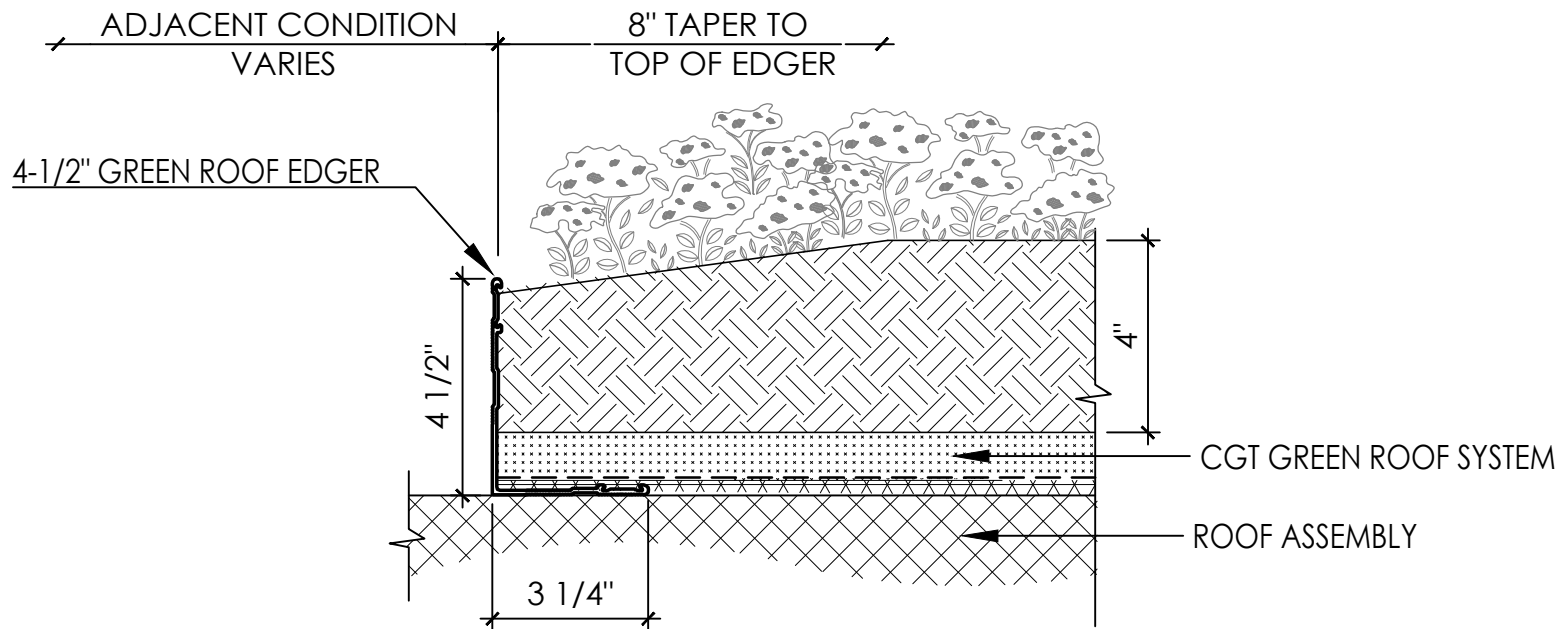


LGR5.01

3" MEDIA DEPTH GREEN ROOF EDGE CONDITION

LAYERED SYSTEM

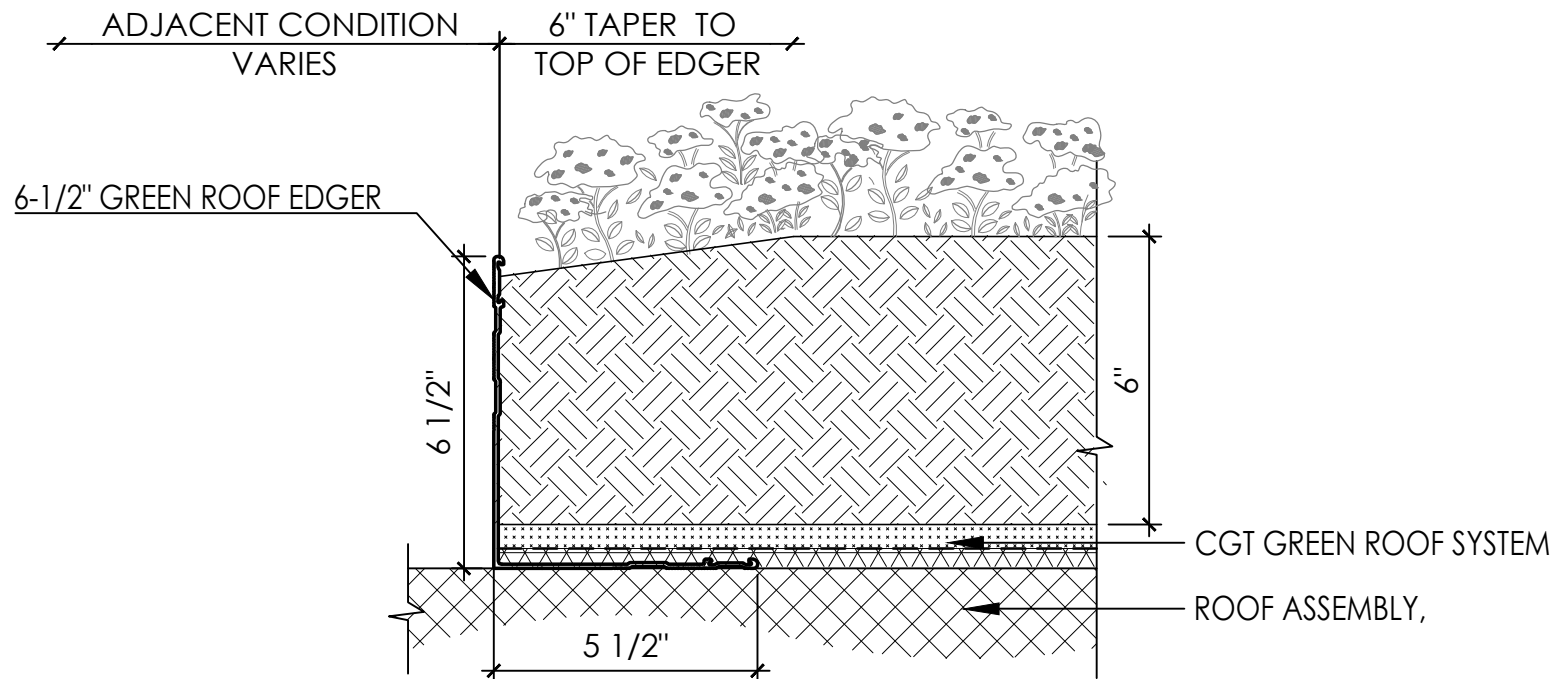
DETAIL SCALE: 3"=1'-0"



NOTE:

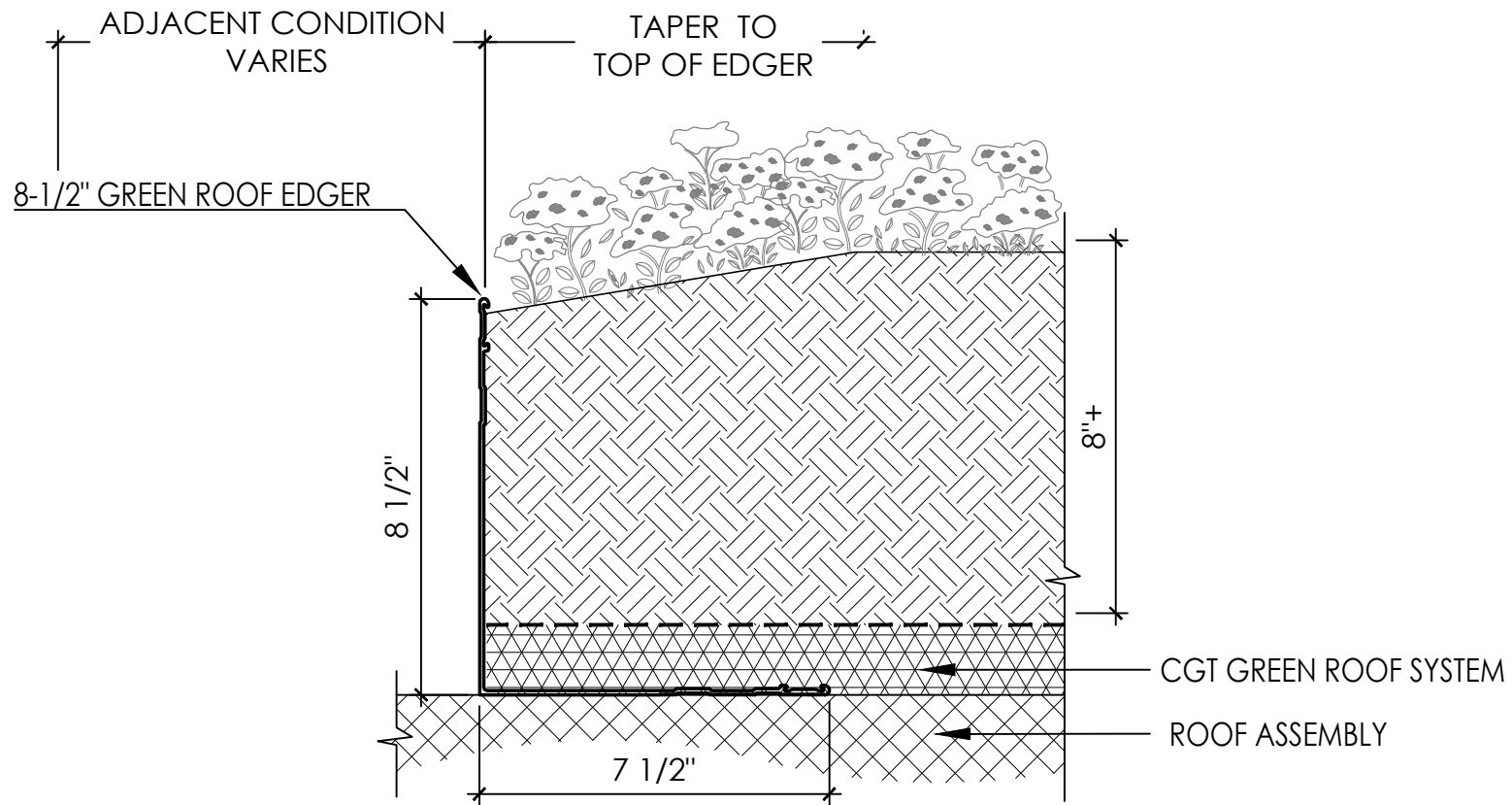
1. CGT EDGER IS HELD IN PLACE BY WEIGHT OF GREEN ROOF SYSTEM. NO MECHANICAL FASTENING TO THE ROOF IS REQUIRED.

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503.327.8723



NOTE:

1. CGT EDGER IS HELD IN PLACE BY WEIGHT OF GREEN ROOF SYSTEM. NO MECHANICAL FASTENING TO THE ROOF IS REQUIRED.



NOTE:

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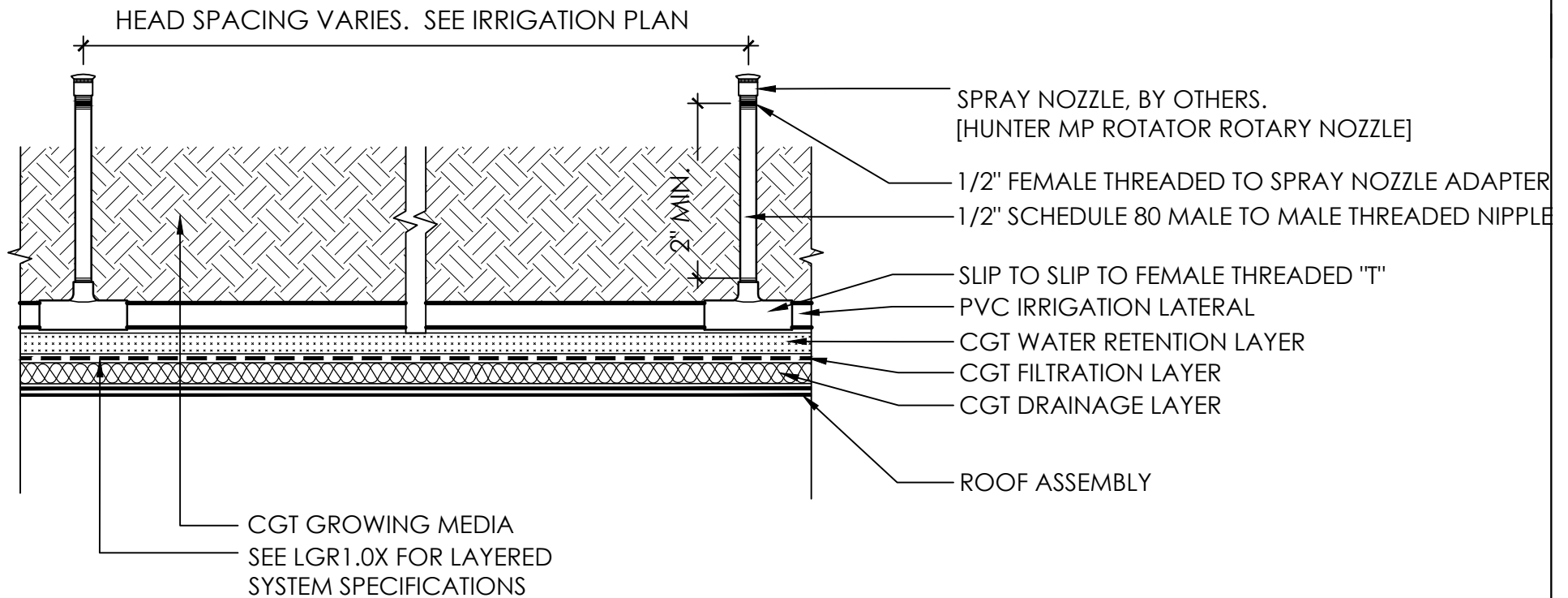


LGR5.04

8" MEDIA DEPTH GREEN ROOF EDGE CONDITION

LAYERED SYSTEM

DETAIL SCALE: 3"=1'-0"



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