

RULON WOOD CUBE SUSPENDED CEILING SYSTEMS
ARCHITECTURAL SPECIFICATIONS

PART 1 - GENERAL

- A. The Wood Cube Suspended Ceiling Systems covered by this specification shall be the products of the Rulon International, World Commerce Center, 2000 Ring Way Road, St. Augustine, FL 32092. Phone: 800-227-8566, Fax: 904-584-1499.
- B. The General Conditions and the requirements of Division 1 of the Specifications shall apply to all work hereunder.
- C. All work shall be completed in accordance with the manufacturer's instructions, and in a manner satisfactory to the owner's representative.

1.01 SCOPE

Rulon International shall furnish all necessary Wood Cubes, wood trim, and (when applicable) wood suspension carriers for complete installation by the contractor - in accordance with plans and specifications. When a standard heavy-duty 15/16" T-rail suspension grid system is used, it shall be supplied by the contractor.

1.02 RELATED WORK NOT INCLUDED UNDER THIS SECTION

Suspension systems and components for ceilings other than manufacturer's Wood Cube Suspended Ceiling System are not included.

1.03 QUALITY ASSURANCE

- A. Installer Qualifications: Must be a firm with not less than two (2) years of successful experience in installation of suspended wood ceilings of similar requirements to this project. The installer must be acceptable to the architect, manufacturer, and owner's representative.
- B. Performance Characteristics: When specified as "Fire Resistant", the Wood Cubes shall conform to Class 1, or A flame spread rating, when tested in accordance with ASTM E-84.
- C. Environmental Standards: When required the wood ceiling shall originate from well managed forests as certified by accredited and recognized industry certifying organizations.

1.04 PROJECT CONDITIONS

Installation shall be done only when the temperature and humidity closely approximate the interior conditions that will exist when the building is occupied. The heating and cooling systems shall be operating before, during, and after installation, with the humidity of the interior spaces maintained between 25% and 55%.

It is important that plenums have proper ventilation, especially in high moisture areas. There shall be no excessive build up of heat in the ceiling areas.

Prior to the start of installation, all exterior windows and doors are to be in place, glazed, and weather-stripped. The roof is to be watertight, and all wet trades' work is to be completed, and thoroughly dry.

Mechanical, electrical, and other utility service installations above the ceiling plane shall have been completed. No materials should rest against, or wrap around, the ceiling suspension components or connecting hangers.

1.05 COORDINATION OF WORK

The layout and installation of the Wood Cube ceiling and suspension system components shall be coordinated with other work penetrating the ceiling. This includes light fixtures, HVAC equipment, and fire suppression system components.

1.06 SUBMITTALS

- A. Product Data: Rulon International shall provide specifications for all wood ceiling materials supplied.
- B. Shop Drawings: When required, Rulon International shall supply shop drawings showing Wood Cube locations, and placement of hangers, carriers, and other details deemed pertinent to proper installation.
- C. Samples: A 12" x 12" Wood Cube sample in the specified size shall be submitted for approval.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. The Wood Cube panels shall be delivered to the project site in original, unopened packages.
- B. The Wood Cubes shall be stored flat and level in a fully enclosed space. For a minimum of seventy-two (72) hours immediately prior to ceiling installation, the Wood Cubes shall be stored in the room in which they will be installed. The temperature and humidity of the room shall closely approximate those conditions that will exist when the building is occupied. The Wood Cubes must be stored off the floor.
- C. Care in handling must be exercised to avoid damage.

1.08 WARRANTIES

- A. Manufacturer: All materials supplied by the ceiling manufacturer shall be guaranteed against manufacturing defects for one (1) year. Because of differing site conditions, wood coloring and finishes can vary with age, and shall be excluded from this warranty.
- B. Contractor: All work shall be guaranteed for one (1) year from final acceptance of completed work.

PART 2 - PRODUCT

2.01 WOOD CUBES

The Wood Cubes shall be manufactured by Rulon International, St. Augustine, Florida, PH-1-800-227-8566. Wood Cubes shall be made from prime grade, all-natural [specie] with [selected] finish. The Wood Cube style shall be [modular or continuous], made in a panel size [width x length]. The [selected pattern] shall have wood strip dimensions of: [inches x inches] cells, [inches] thick x [inches] deep. Wood is a natural product that will undergo changes with variations in the environment. Therefore, all dimension tolerances are $\pm 1/8"$.

2.02 SUSPENSION SYSTEM

Modular Wood Cube panels shall be supported by a grid system using standard 15/16" T-rail (supplied by others). Grid opening shall be [2 ft. x 2 ft.] or [2 ft. x 4 ft.] or [4 ft x 4 ft.].

Continuous Wood Cube panels shall be supported by an integrated wood suspension system, supplied by Rulon International. The wood grid system shall be fabricated to install 2 ft. x 4 ft. Wood Cube panels. Hangers shall be installed 4' O.C. along the main carriers - starting 4" from the either end.

2.03 EDGES, BORDERS, AND PERIMETER TRIMS

Edges, borders, and perimeter trims, shall be designated by specifier in accordance with standard design details available. All wood ceiling products specified shall be supplied by the ceiling manufacturer.

2.04 FINISHES AND COLORS

All Wood Cube panels shall be factory-finished with clear sealers, wood stains, or semi-transparent color treatments. All finishes shall be selected by the designer, architect, or designated owner's representative.

Wood is a natural product with variations in grain, texture, and color - often ranging from light to dark - thereby, affecting the surface look. Product finishes shall be stain or sealer coats, spray-applied to a smooth-sanded surface.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Ceiling Layout: The contractor shall measure ceiling areas, and establish positions of hangers and rails - in accordance with installation instructions.
- B. Coordination: The contractor shall furnish the layout for supports that shall be installed for suspension of ceilings. He shall furnish concrete inserts, steel deck hanger clips, or similar devices for installation, in time to coordinate the work. The contractor shall coordinate with other trades the location of devices which will penetrate the Ceiling Panels or interfere with the installation. Recessed or surface devices located within the ceiling panels are to be located and cut in the field.

3.02 INSTALLATION

- A. General: The contractor shall install materials to comply with governing regulations and applicable industry standards.
- B. HVAC and Light Fixture Suspension: Electrical and mechanical installations shall be supported independent of the Wood Cubes.
- C. Refer to Rulon shop drawings for suspension member and cube panel installation.

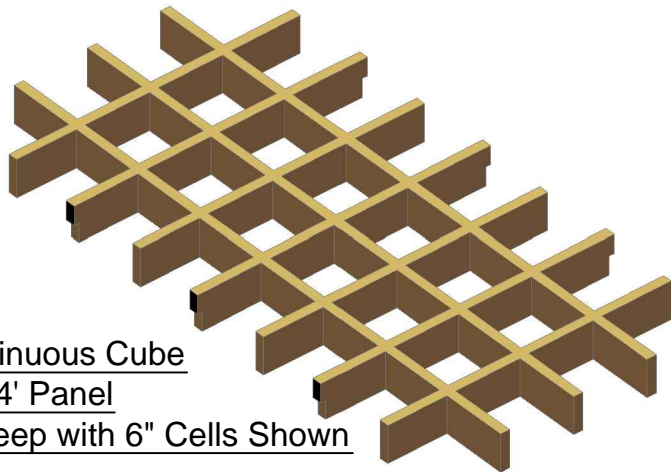
3.03 ADJUSTMENT AND CLEANING

- A. The contractor shall make final adjustment to level or contours.
- B. Upon completion of ceiling installation, all Wood Cubes and borders must be cleaned free of dirt, dust, grease, oils, and fingerprints.
- C. All work that cannot be successfully cleaned and repaired shall be removed and replaced.


3.04 INSPECTION

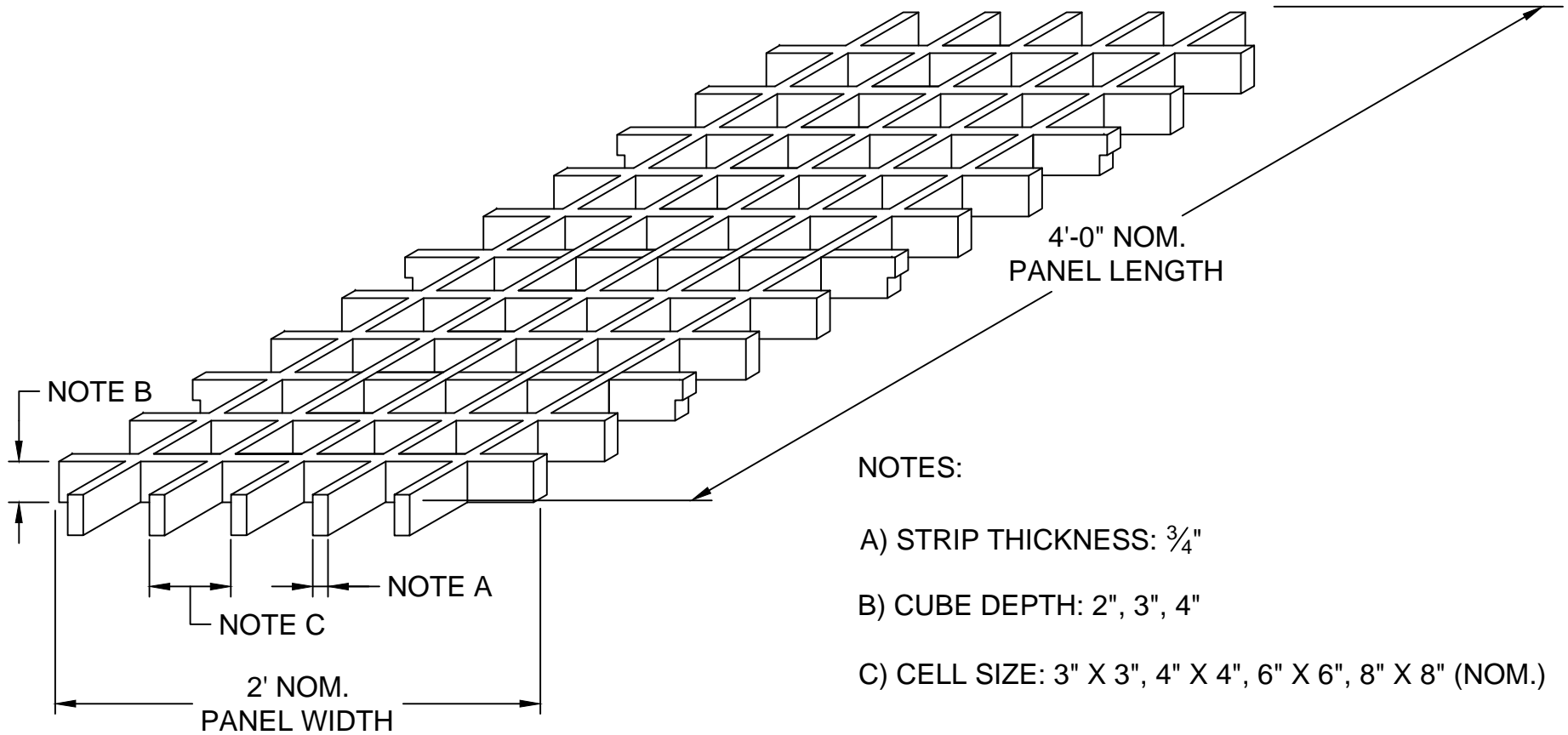
Upon completion of the ceiling installation, the owner's representative shall inspect all finished surfaces to insure that work was completed in a manner satisfactory to the owner. Any deficiencies in the installed ceiling shall be corrected by the contractor at no additional cost to the owner or the ceiling manufacturer.

<u>DRAWING #</u>	<u>TITLE</u>	<u>DRAWING #</u>	<u>TITLE</u>
CCX00001	Continuous Wood Cube Ceiling Profile	CML00001	Lay-In Modular Style Wood Cube Ceiling Profile - 2' x 2' Panel
CCX00004	Continuous Cube Ceiling - 2' x 4' Opening	CML00002	Lay-In Modular Style Wood Cube Ceiling Profile - 2' x 4' Panel
CCX00005	Continuous Cube Ceiling Suspension Detail	CML00003	Lay-In Modular Style Wood Cube Ceiling Profile - 4' x 4' Panel
CCX00006	Continuous Cube Perimeter Condition	CML00004	Lay-In Modular Cube Ceiling Instalation Detail
CCX00008	Continuous Cube Ceiling - 2' x 4' Opening - Perimeter Installation Detail	CML00005	Lay-In Modular Cube Ceiling Suspension Detail
		CML00006	Lay-In Modular Cube Ceiling Perimeter Condition
CXX00009	Wood Cube Ceiling - Can Light Fixture w/Insert, Typical	CMT00001	Tegular Recessed Modular Style Wood Cube Ceiling Profile - 2' x 2' Panel
		CMT00002	Tegular Recessed Ceiling Profile - 2' x 4' Panel
		CMT00003	Tegular Recessed Modular Style Wood Cube Ceiling Profile - 4' x 4' Panel
		CMT00004	Tegular Recessed Modular Cube Ceiling Instalation Detail
		CMT00005	Tegular Recessed Modular Cube Ceiling Suspension Detail
		CMT00006	Tegular Recessed Modular Cube Ceiling Perimeter Condition



Continuous Cube
2' X 4' Panel
3" Deep with 6" Cells Shown

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PROJECT:

TITLE:

Continuous Wood Cube Ceiling
Profile

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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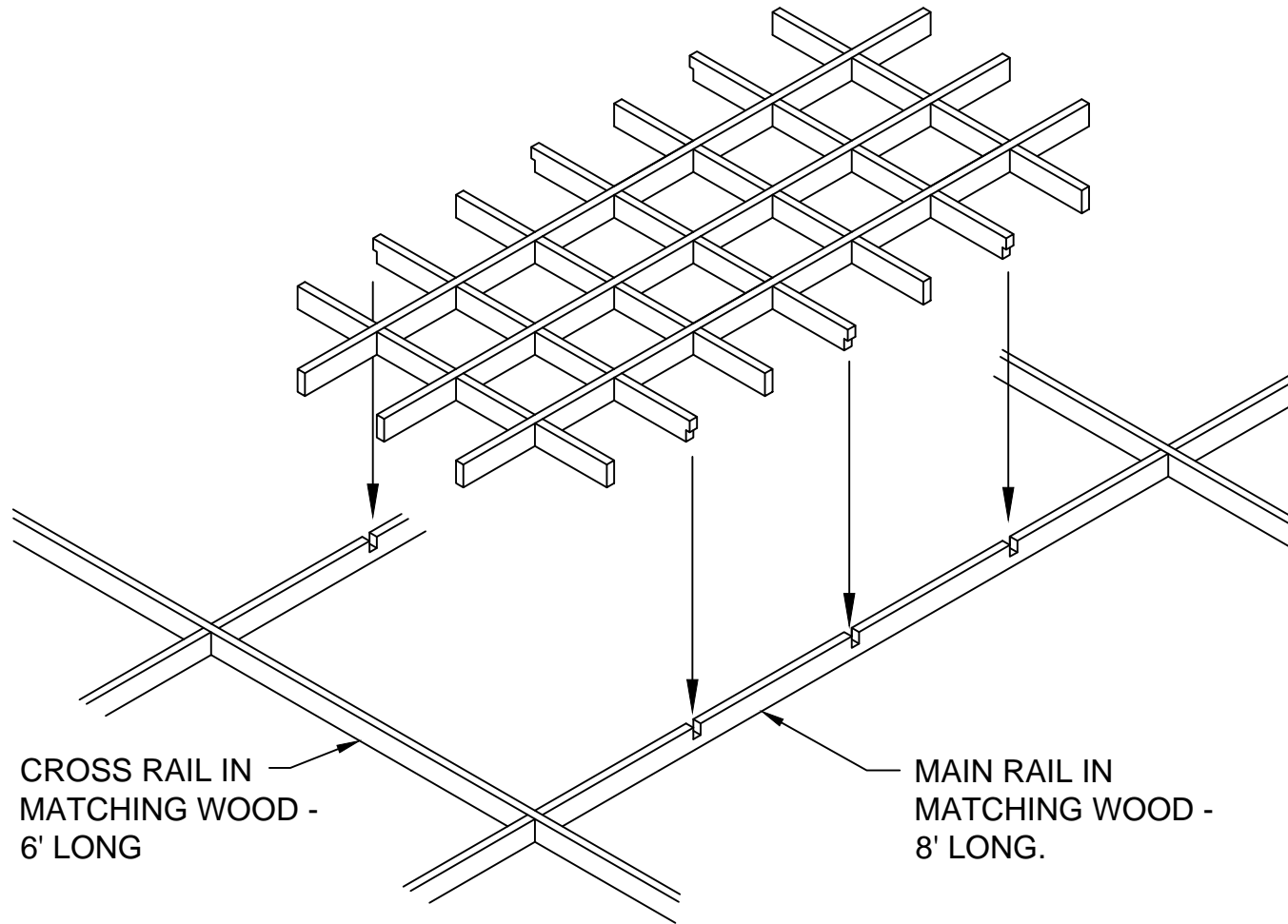
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PROJECT NUMBER:

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CCX00001



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PROJECT:

TITLE:

Continuous Cube Ceiling - 2' x 4'
 Opening

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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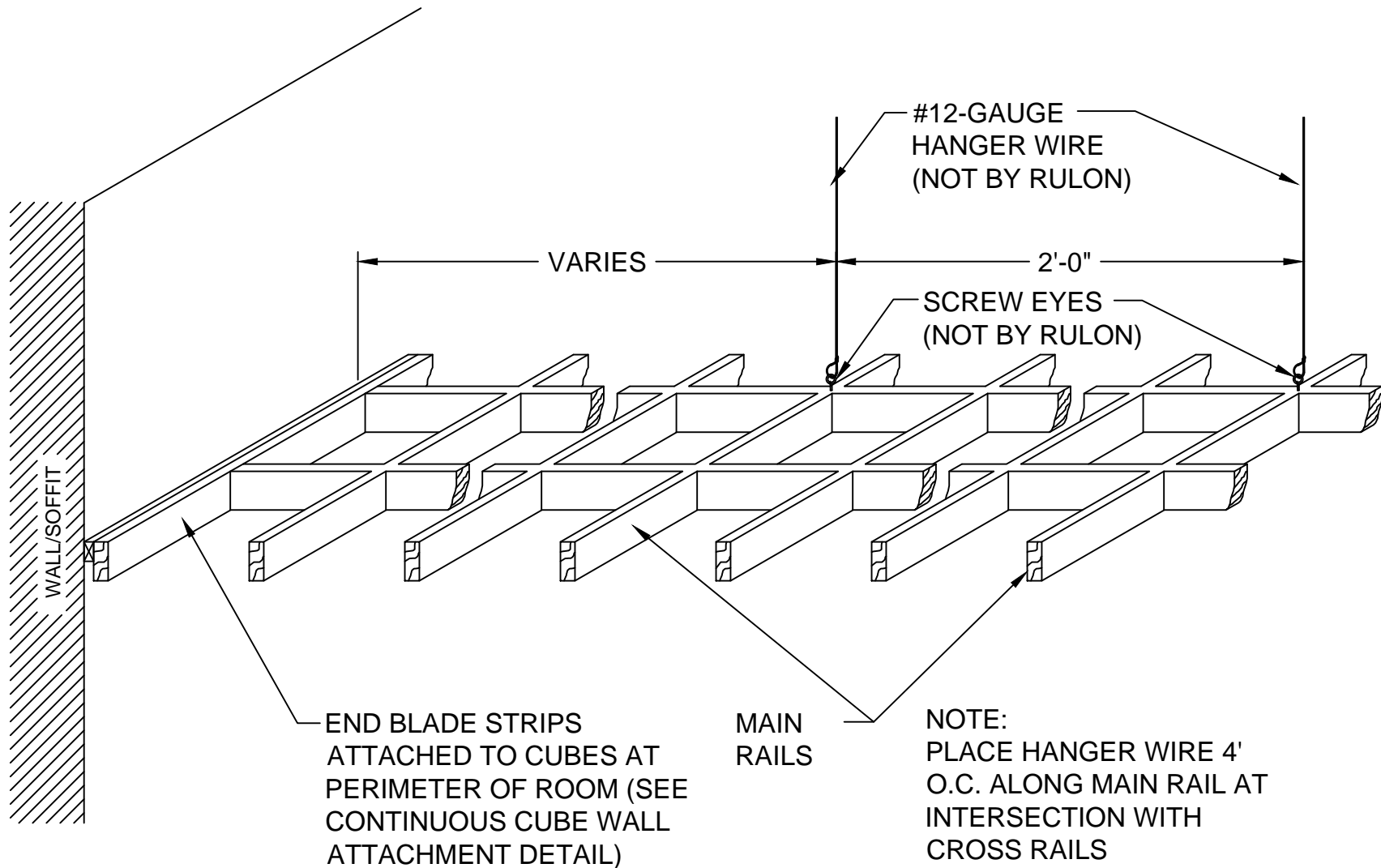
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DRAWING NUMBER:

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PROJECT:

TITLE: Continuous Cube Ceiling
 Suspension Detail

ISSUE DATE:

REVISION DATE:
 MAY/12/2011

DRAWN BY:

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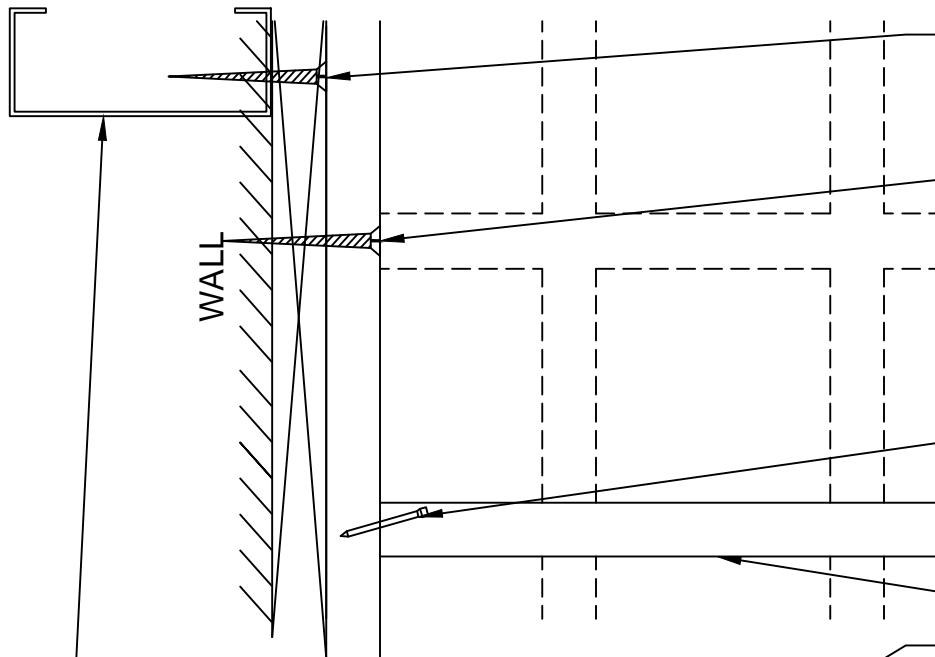
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PROJECT NUMBER:

DRAWING NUMBER:

CCX00005



PLAN VIEW

STEP 1: CONTINUOUS BLOCKING
(NOT BY RULON)
ATTACHED TO WALL AT STUDS

STEP 2: ATTACH END BLADE TO
BLOCKING. COORDINATE WITH
CUBE PANEL LOCATION TO
HIDE SCREW.
(CUBE PANEL SHOWN HIDDEN
FOR CLARITY)

STEP 3: END BLADE TOE-NAILED
TO MAIN OR CROSS
PRIOR TO INSTALLING PANEL

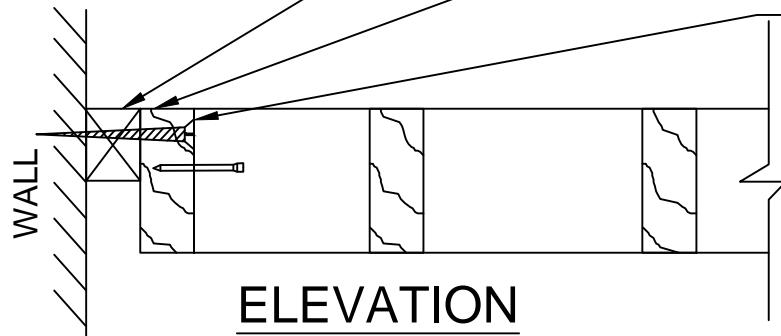
MAIN OR CROSS

CONTINUOUS BLOCKING
PAINTED BLACK
(NOT BY RULON)

WOOD CUBE FIELD-TRIMMED
TO SIZE. PIN NAILED TO
END BLADE TRIM

END BLADE TRIM ATTACHED TO
BLOCKING AND WALL

STUD OR EQUIVALENT
(NOT BY RULON)



ELEVATION



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PROJECT:

TITLE:

**Continuous Cube Perimeter
Condition**

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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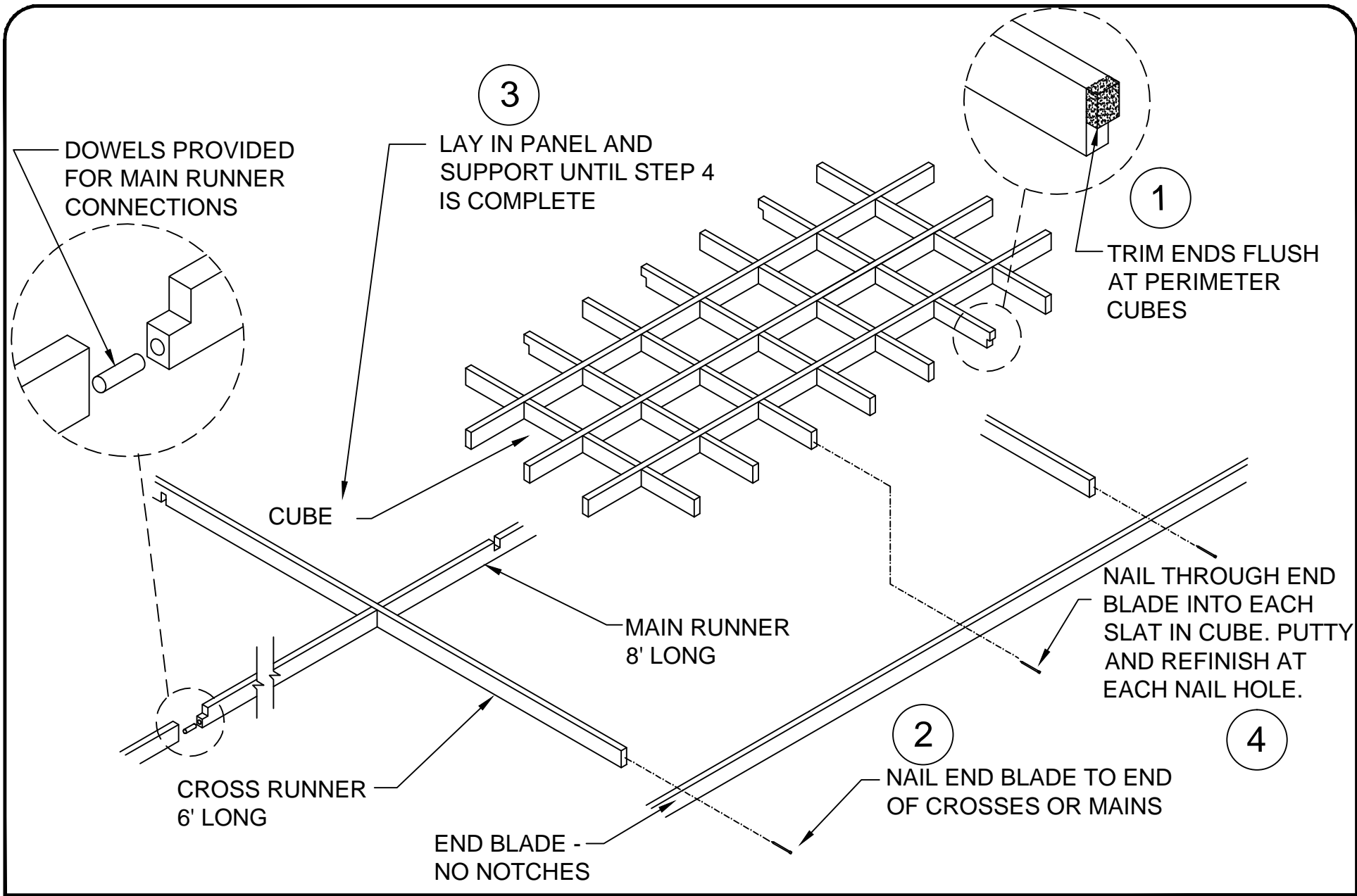
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PROJECT NUMBER:

DRAWING NUMBER:

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PROJECT:

TITLE:

Continuous Cube - 2' X 4' Opening
 Perimeter Installation Detail

ISSUE DATE:

REVISION DATE:

MAY/12/2011

DRAWN BY:

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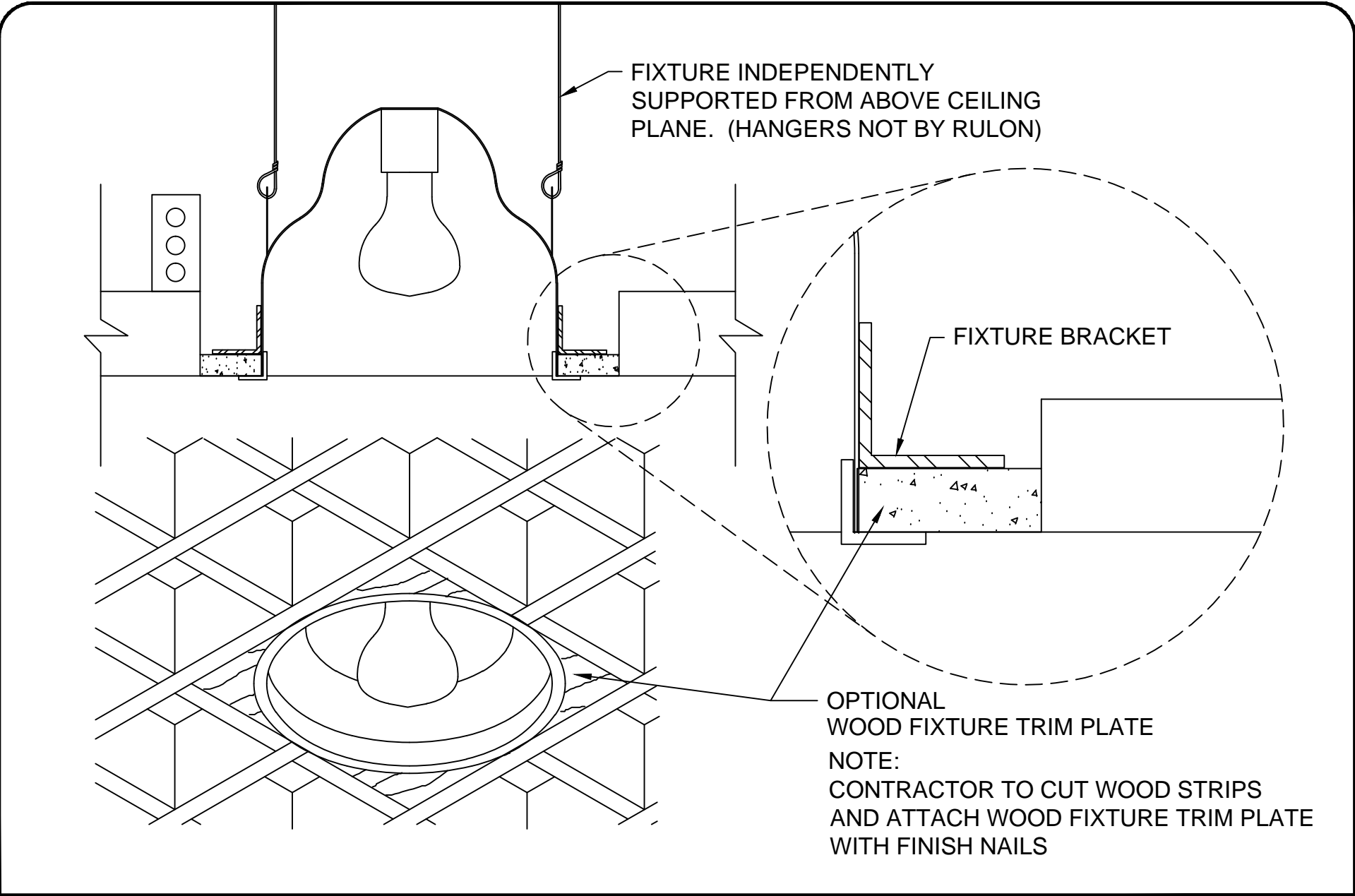
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PROJECT:

TITLE:

**Wood Cube Ceiling - Can Light
Fixture w/Insert, Typical**

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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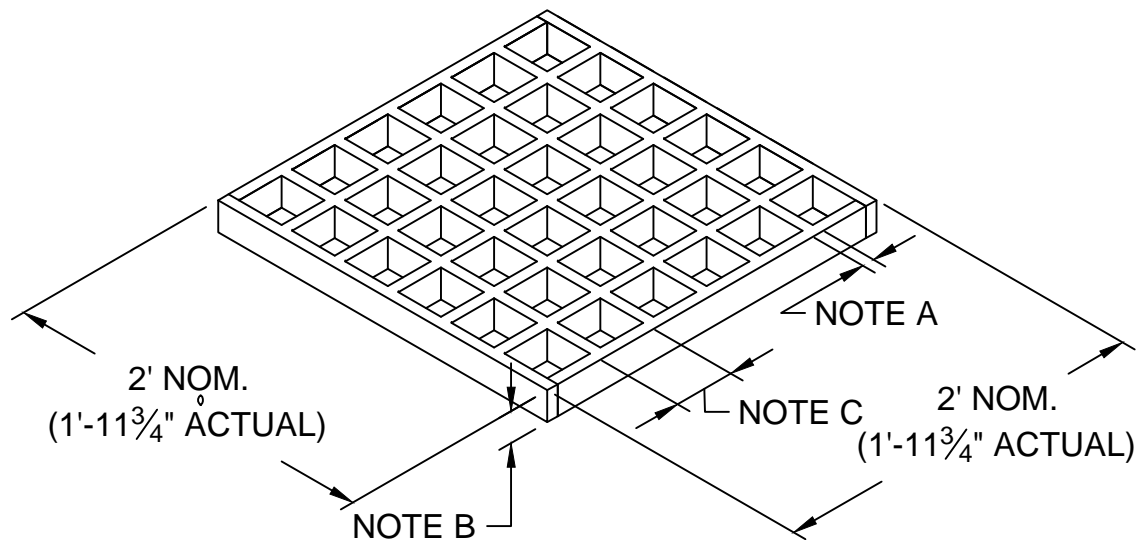
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PROJECT NUMBER:

DRAWING NUMBER:

CXX00009



NOTES:

A) STRIP THICKNESS: 3/4"

B) CUBE DEPTH: 2", 3", 4"

C) CELL SIZE: 3" X 3", 4" X 4", 6" X 6", 8" X 8" (NOM.)



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PROJECT:

TITLE:

Lay-In Modular Style Wood Cube
 Ceiling Profile - 2' x 2' Panel

ISSUE DATE:

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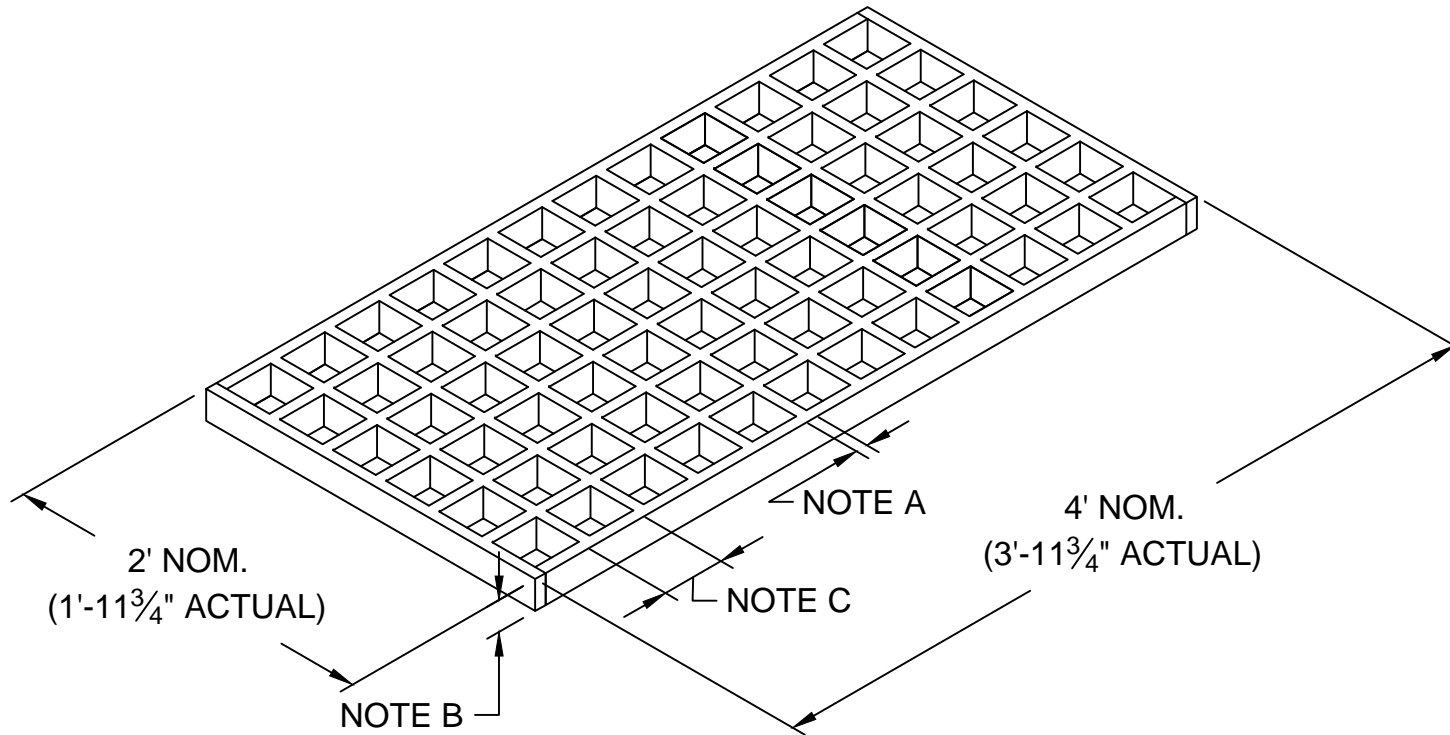
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PROJECT NUMBER:

DRAWING NUMBER:

CML00001



NOTES:

A) STRIP THICKNESS: 3/4"

B) CUBE DEPTH: 2", 3", 4"

C) CELL SIZE: 3" X 3", 4" X 4", 6" X 6", 8" X 8" (NOM.)



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PROJECT:

TITLE:

**Lay-In Modular Style Wood Cube
 Ceiling Profile - 2' x 4' Panel**

ISSUE DATE:

REVISION DATE:

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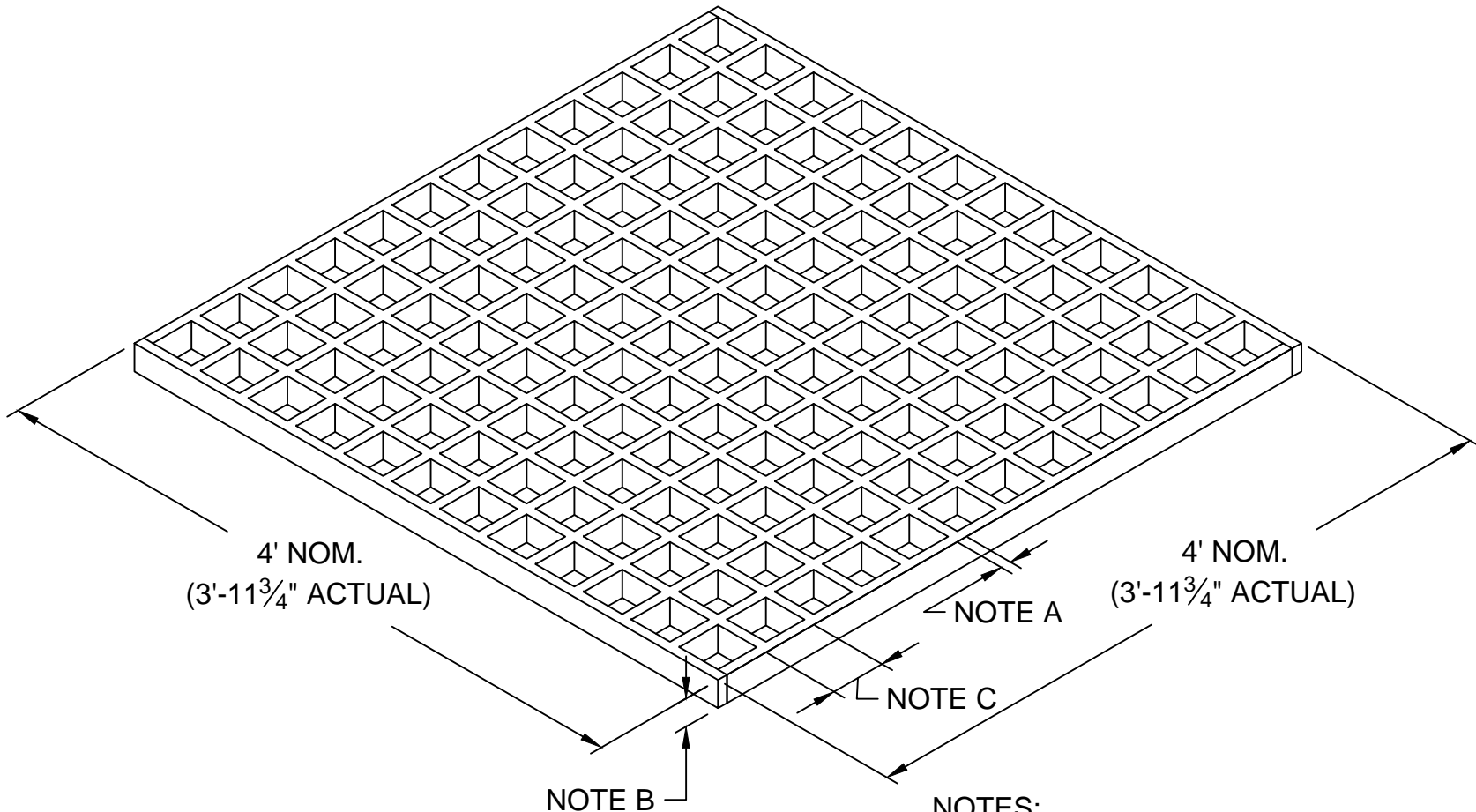
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PROJECT NUMBER:

DRAWING NUMBER:

CML00002



NOTES:

A) STRIP THICKNESS: 3/4"

B) CUBE DEPTH: 2", 3", 4"

C) CELL SIZE: 3" X 3", 4" X 4", 6" X 6", 8" X 8" (NOM.)



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PROJECT:

TITLE:

**Lay-In Modular Style Wood Cube
 Ceiling Profile - 4' x 4' Panel**

ISSUE DATE:

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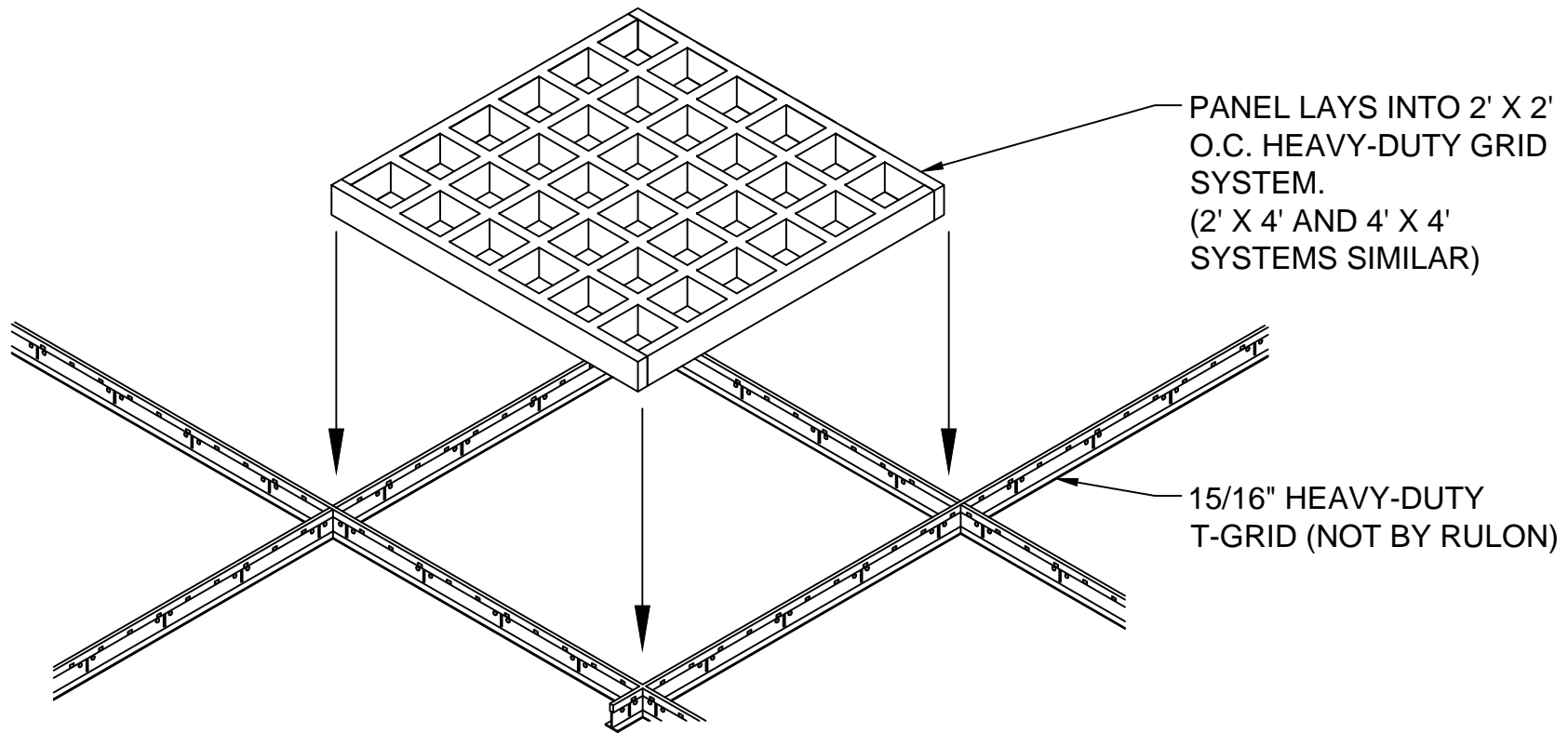
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PROJECT:

TITLE:

**Lay-in Modular Cube Ceiling
Installation Detail**

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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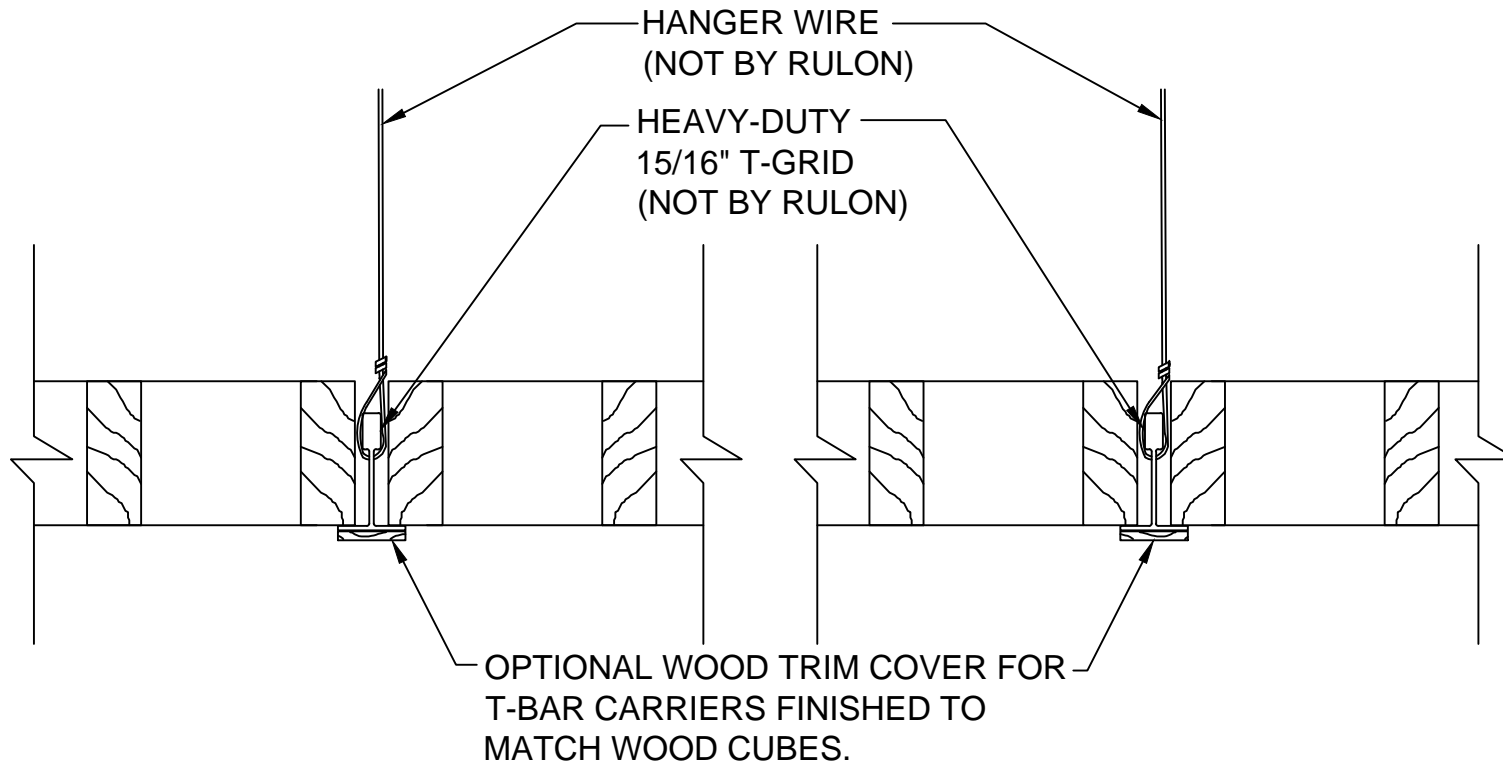
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PROJECT NUMBER:

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CML00004



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PROJECT:

TITLE:

**Lay-In Modular Cube Ceiling
Suspension Detail**

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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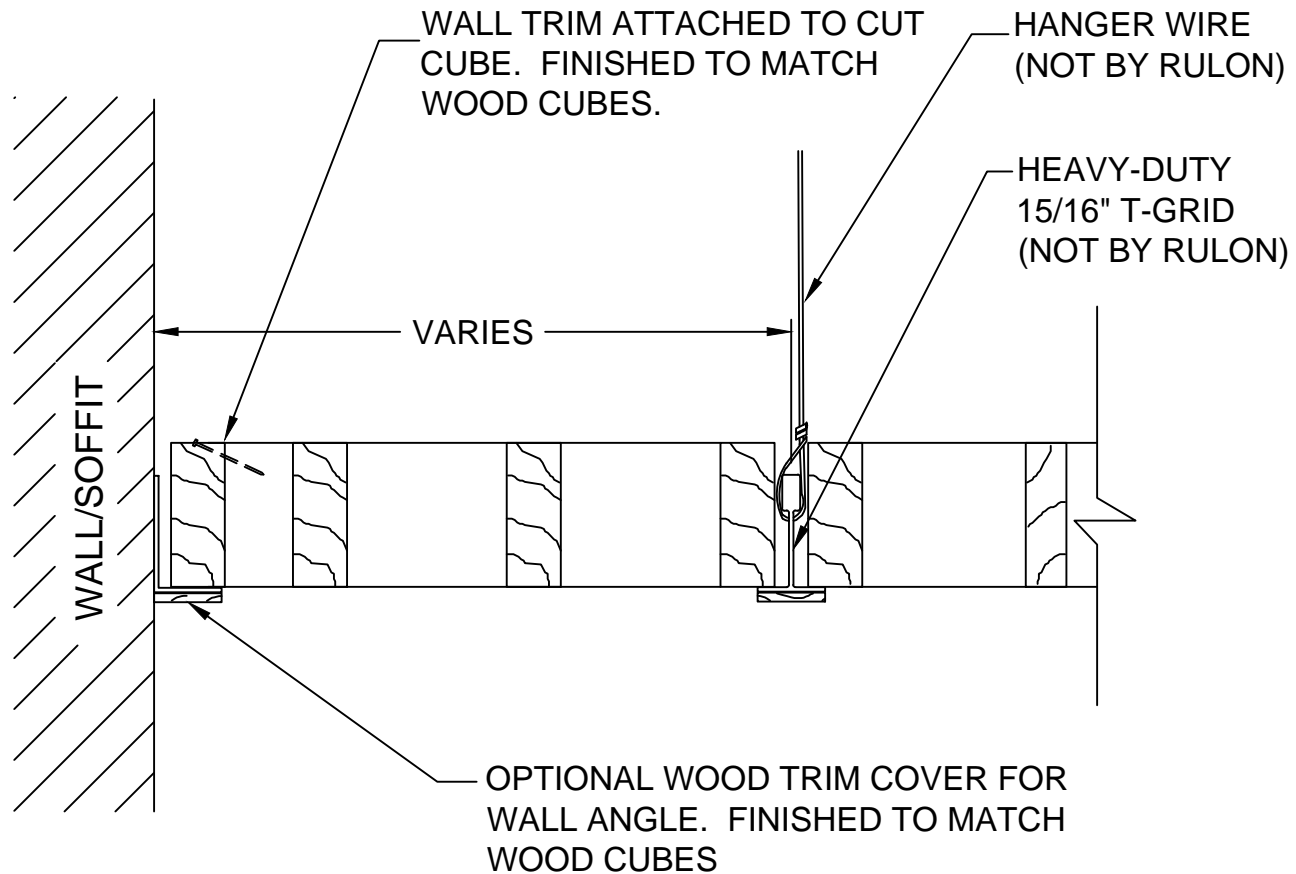
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CML00005



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PROJECT:

TITLE:

**Lay-in Modular Cube Ceiling
 Perimeter Condition**

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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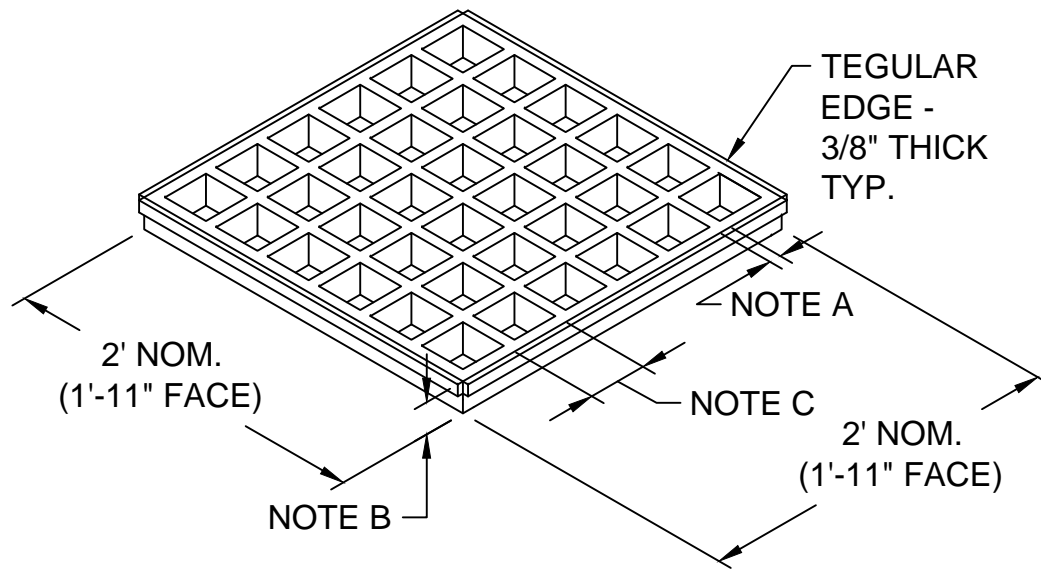
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PROJECT NUMBER:

DRAWING NUMBER:

CML00006



NOTES:

A) STRIP THICKNESS: 3/4"

B) CUBE DEPTH: 2", 3", 4"

C) CELL SIZE: 3" X 3", 4" X 4", 6" X 6", 8" X 8" (NOM.)



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PROJECT:

TITLE:

Tegular Recessed Modular Style Wood
 Cube Ceiling Profile - 2' x 2' Panel

ISSUE DATE:

REVISION DATE:

MAY/12/2011

DRAWN BY:

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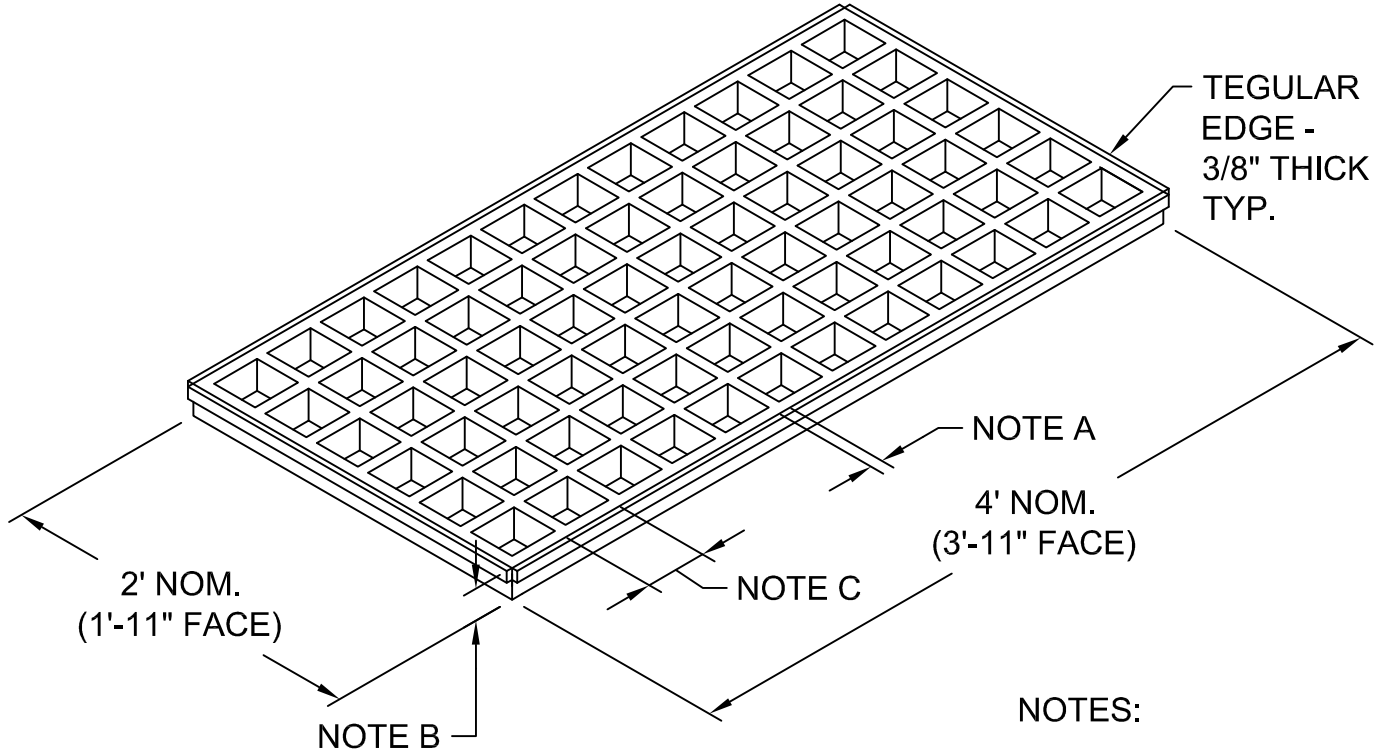
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PROJECT NUMBER:

DRAWING NUMBER:

CMT00001



TEGULAR
EDGE -
3/8" THICK
TYP.

NOTE A
4' NOM.
(3'-11" FACE)

2' NOM.
(1'-11" FACE)

NOTE B

NOTE C

NOTES:

A) STRIP THICKNESS: 3/4"

B) CUBE DEPTH: 2", 3", 4"

C) CELL SIZE: 3" X 3", 4" X 4", 6" X 6", 8" X 8" (NOM.)



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PROJECT:

TITLE:
**Tegular Recessed Modular Style Wood
Cube Ceiling Profile - 2' x 4' Panel**

ISSUE DATE:

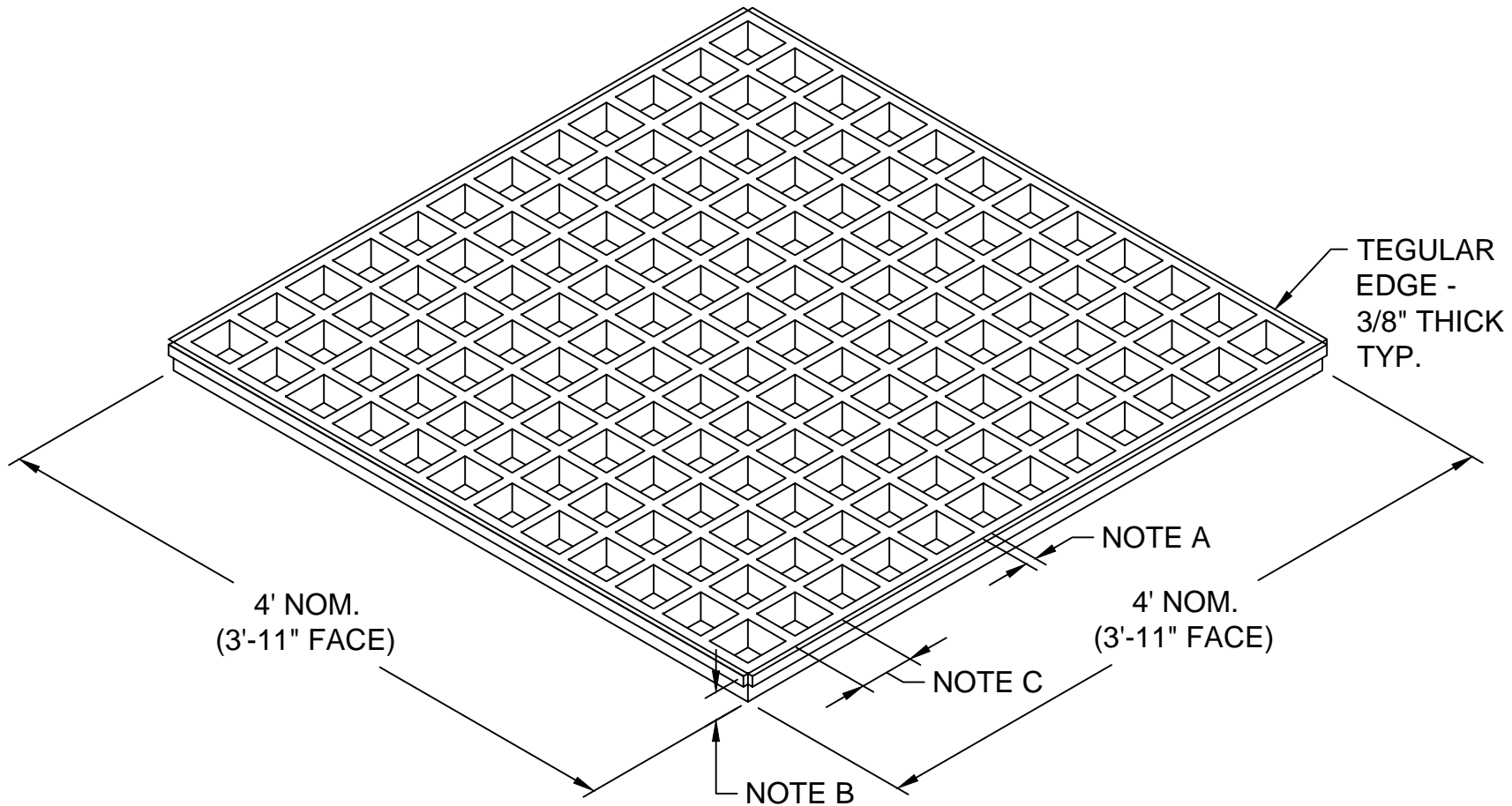
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CMT00002



TEGULAR
EDGE -
3/8" THICK
TYP.

4' NOM.
(3'-11" FACE)

NOTE A

4' NOM.
(3'-11" FACE)

NOTE C

NOTE B

NOTES:

A) STRIP THICKNESS: 3/4"

B) CUBE DEPTH: 2", 3", 4"

C) CELL SIZE: 3" X 3", 4" X 4", 6" X 6", 8" X 8" (NOM.)



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PROJECT:

TITLE:

**Tegular Recessed Modular Style Wood
Cube Ceiling Profile - 4' x 4' Panel**

ISSUE DATE:

REVISION DATE:

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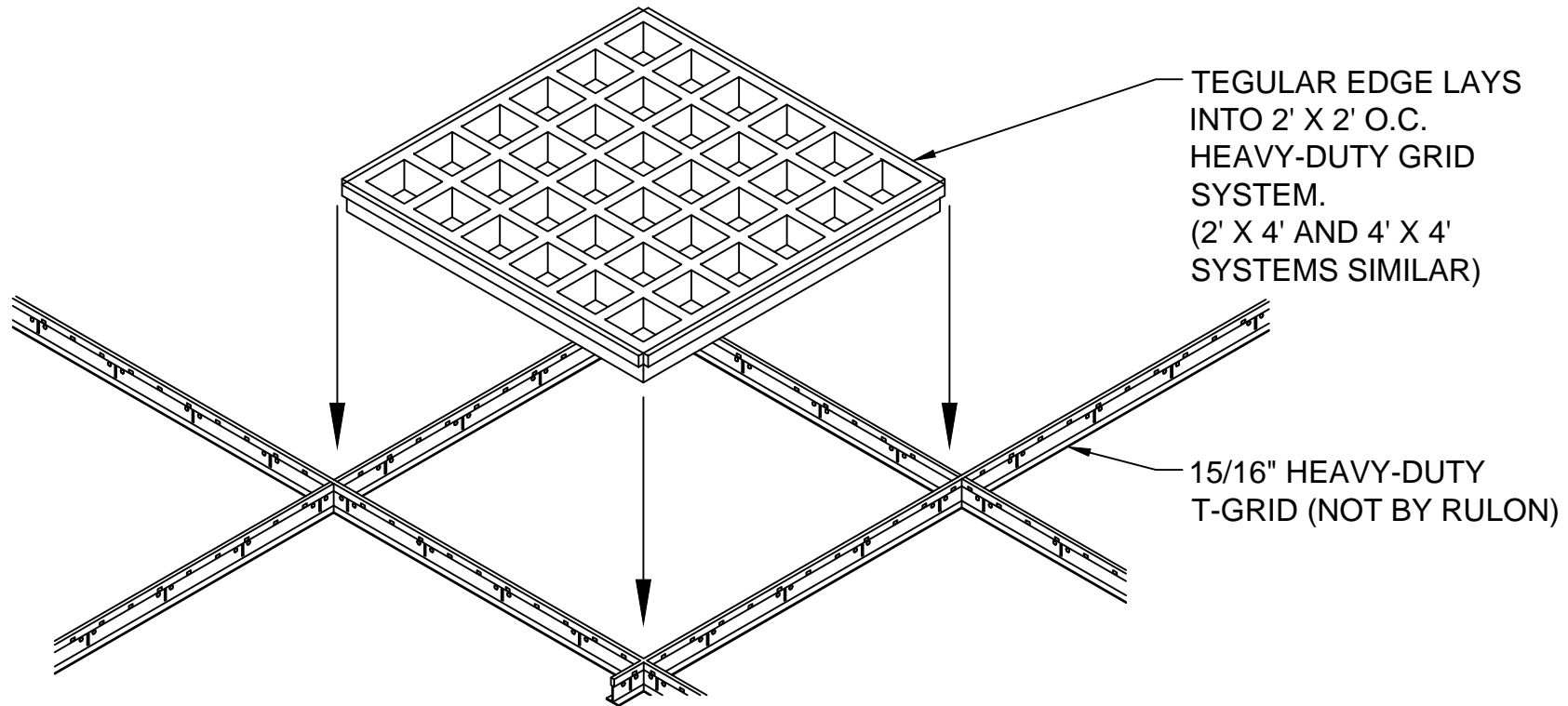
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CMT00003



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PROJECT:

TITLE:

**Tegular Recessed Modular Cube
 Ceiling Installation Detail**

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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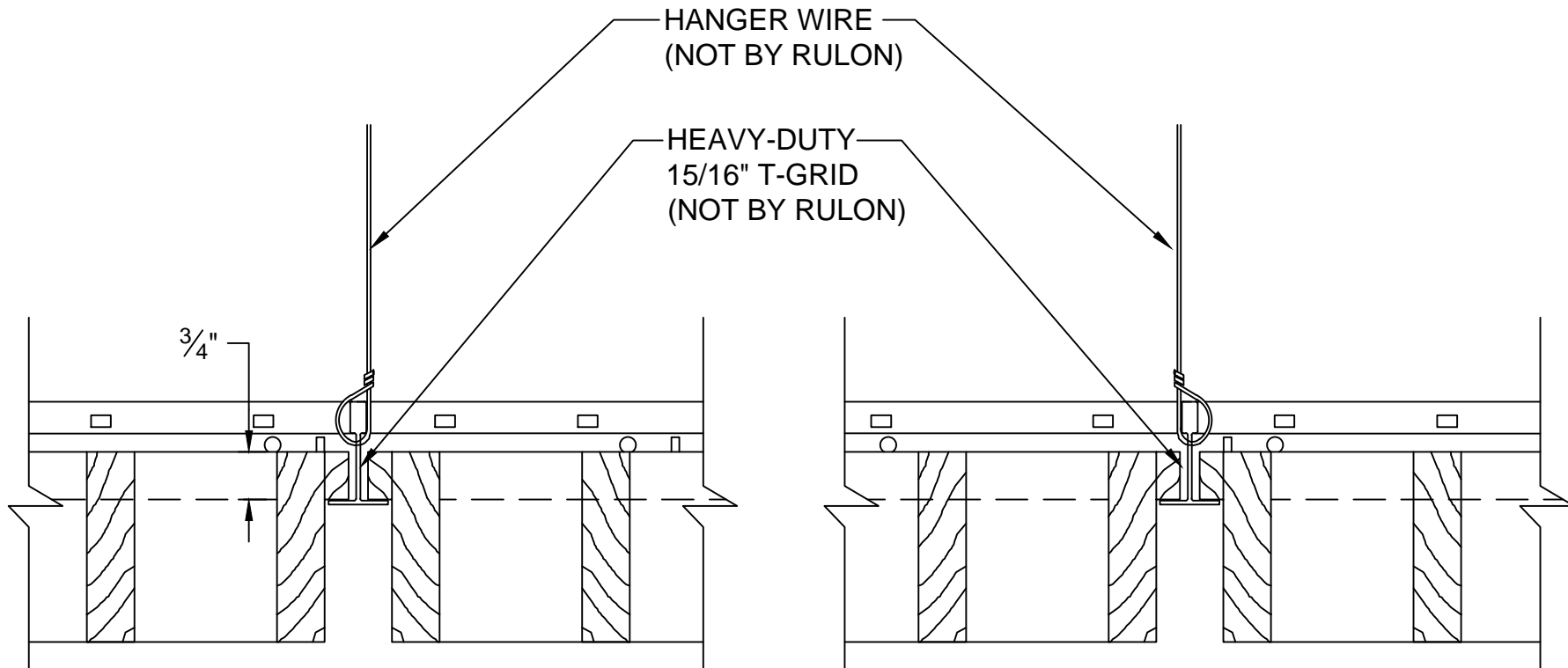
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PROJECT:

TITLE:

**Tegular Recessed Modular Cube
Ceiling Suspension Detail**

ISSUE DATE:

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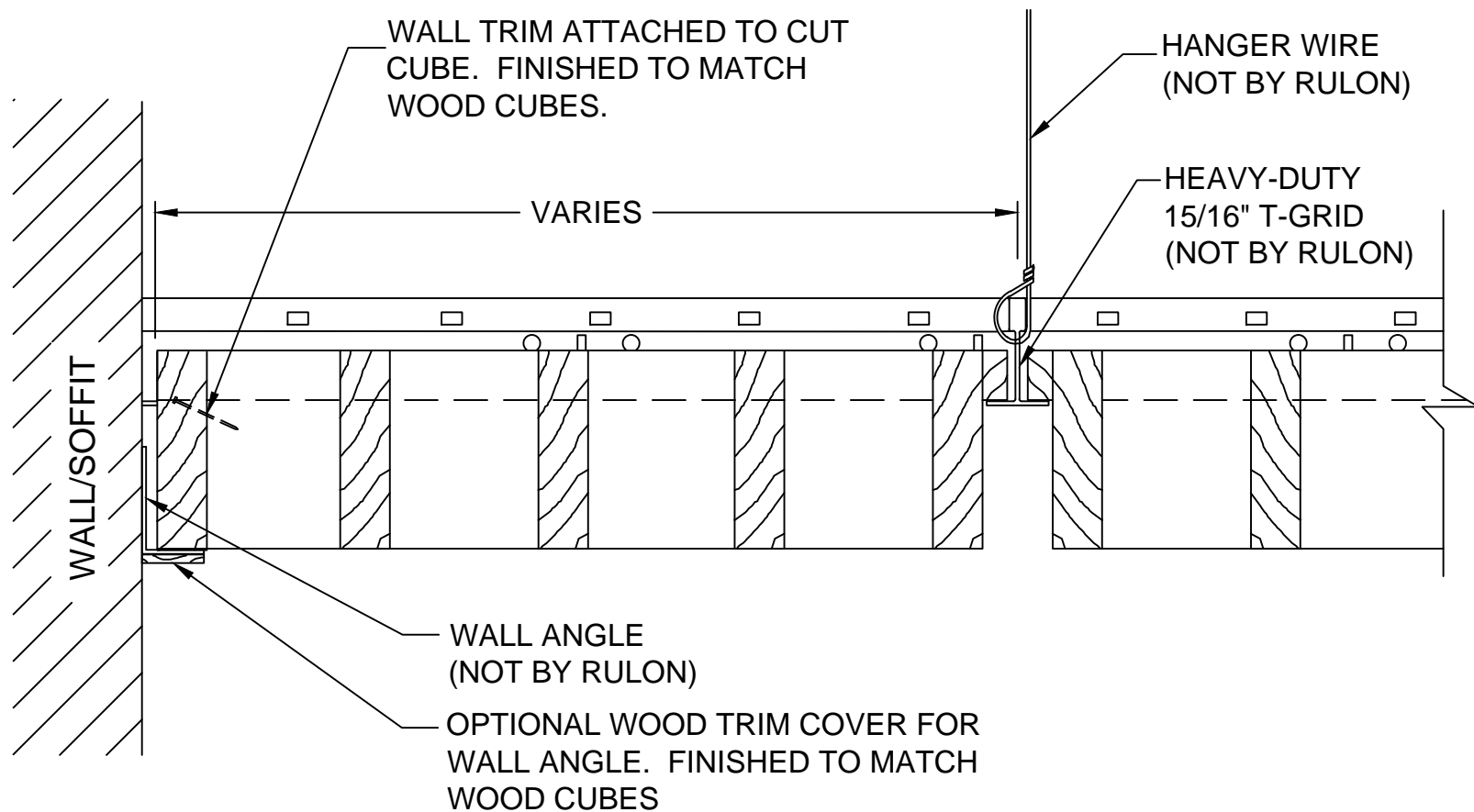
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PROJECT:

TITLE:

Teqular Recessed Modular Cube
 Ceiling Perimeter Condition

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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