

RULON WOOD SQUARE SUSPENDED CEILING SYSTEMS

ARCHITECTURAL SPECIFICATIONS

PART 1 - GENERAL

- A. The Wood Square 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 performed 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 Wood Squares and specified matching trims. The suspension system shall be in accordance with drawings, and supplied by others.

1.02 RELATED WORK NOT INCLUDED UNDER THIS SECTION

Suspension systems and components for ceilings other than manufacturer's Wood Square Suspended Ceiling Systems shall not be included.

1.03 QUALITY ASSURANCE

- A. **Installer Qualifications:** Installer shall 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 shall be acceptable to the architect, manufacturer, and owner's representative.
- B. **Fire Performance Characteristics:** When specified as "Fire Resistant", Rulon Wood Squares shall conform to Class 1, or A flame spread rating, when tested according to ASTM E-84.
- C. **Environmental Standards:** When required, veneer panel components 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 Square Suspended Ceiling System and suspension 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 product specifications for all ceiling materials supplied.
- B. Shop Drawings: When required, Rulon International shall supply shop drawings showing Wood Square locations, and placement of hangers, carriers, and other details deemed pertinent to proper installation.
- C. Samples: A 12" x 12" wood sample with designated finishes shall be submitted for approval.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. The Wood Squares shall be delivered to the project site in original, unopened packages.
- B. The Wood Squares 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 Squares 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 Squares shall 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 stains and colorings 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 SQUARES

The Wood Squares shall be manufactured by Rulon International, St. Augustine, Florida, PH-1-800-227-8566. The Rulon Wood Squares will be made with a [veneer species] face veneer, [veneer cut] [veneer match], applied to a 3/4" thick core material. The edge treatment on the Wood Square panels shall be the [selected style]. The standard Wood Square panel shall be 3/4" thick and 2' x 2' (nominal). Wood is a natural product that will undergo changes with variations in the environment. Therefore, all dimension tolerances shall be $\pm 1/8"$.

2.02 SUSPENSION SYSTEM

A 2' x 2' grid system shall be fabricated to support the Wood Squares, using 15/16" heavy-duty T-rail suspension (supplied by others).

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 products specified shall be supplied by the ceiling manufacturer.

2.04 FINISHES AND COLORS

The Wood Square face surface (and edges, if necessary) shall be factory finished with a clear or custom stain as selected by the Architect. A clear finish is applied to the back side of panels. 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 layout of hangers and T-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 applicable regulations and industry standards.
- B. Perimeter: Using a leveling device, the contractor shall lay out and install perimeter trim as specified.
- C. Suspension: The T-rail supports shall be suspended and leveled in the appropriate pattern determined by design. Specified wood trims shall be attached, where indicated.
- D. Squares: The Wood Squares shall be inserted into the grid system - using care to orient for proper grain directions and openings for penetrations.

3.03 ADJUSTMENT CLEANING AND REPAIR

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

3.04 INSPECTION

Upon the completion of ceiling installation, the owner's representative shall inspect all finished surfaces to ensure that work was performed 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 to ceiling manufacturer.

RULON WOOD SQUARE SUSPENDED CEILING SYSTEMS FOR SIDE SLOT SUSPENSION

ARCHITECTURAL SPECIFICATIONS

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- C. All work shall be performed 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 Wood Square Ceiling Panels and specified matching trims. The suspension system shall be in accordance with drawings, and supplied by others.

1.02 RELATED WORK NOT INCLUDED UNDER THIS SECTION

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- C. **Environmental Standards:** When required, veneer panel components 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 Square Suspended Ceiling Systems and suspension components shall be coordinated with other work penetrating the ceiling. This includes light fixtures, HVAC equipment, and fire suppression system components.

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- A. Product Data: Rulon International shall provide product specifications for all ceiling materials supplied.
- B. Shop Drawings: When required, Rulon International shall supply shop drawings showing Wood Square Suspended Ceiling Panel locations, and placement of hangers, carriers, and other details deemed pertinent to proper installation.
- C. Samples: A 12" x 12" wood sample with designated finishes shall be submitted for approval.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. The Wood Square Suspended Ceiling Panels shall be delivered to the project site in original, unopened packages.
- B. The Wood Square Suspended Ceiling Panels 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 Ceiling Panels 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 Ceiling Panels shall 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 stains and colorings can vary with age and shall be excluded from this warranty.
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PART 2 - PRODUCT

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2.02 SUSPENSION SYSTEM

A 2' x 2' grid system shall be fabricated to support the Wood Square Ceiling Panels, using 15/16" heavy-duty T-rail suspension (supplied by others).

2.03 EDGES, BORDERS, AND PERIMETER TRIMS

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PART 3 - EXECUTION

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3.02 INSTALLATION

- A. General: The contractor shall install materials to comply with applicable regulations and industry standards.
- B. Perimeter: Using a leveling device, the contractor shall lay out and install perimeter trim as specified.
- C. Suspension: The T-rail supports shall be suspended and leveled in the appropriate pattern determined by design. Specified wood trims shall be attached, where indicated.
- D. Ceiling Panels: The Wood Square Ceiling Panels shall be suspended by the grid system by sliding the leading edge stepped kerf onto the grid system, lifting the trailing edge to rest on the opposite grid flange, and dropping the panel onto position, allowing the panel to rest on the upper stepped kerf of the leading edge. Reversed tegular edges along the remaining two sides partially conceal the flanking grid flanges.

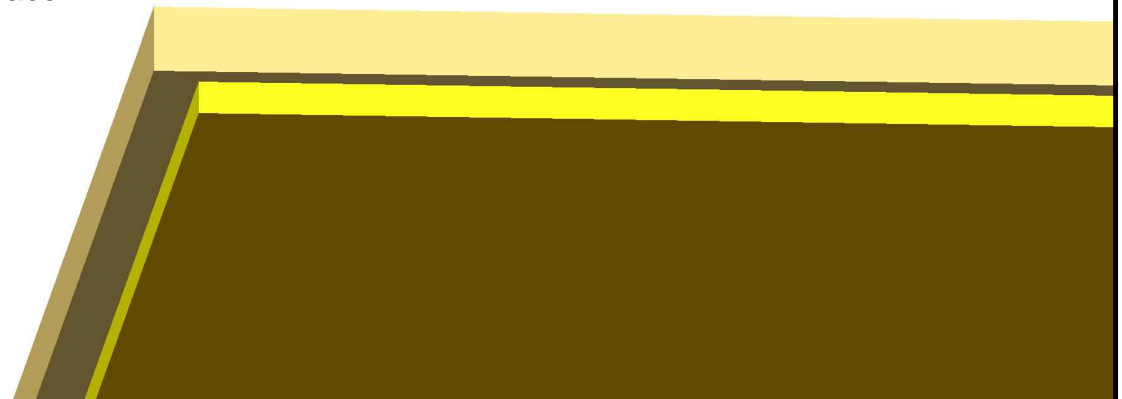
3.03 ADJUSTMENT CLEANING AND REPAIR

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


3.04 INSPECTION

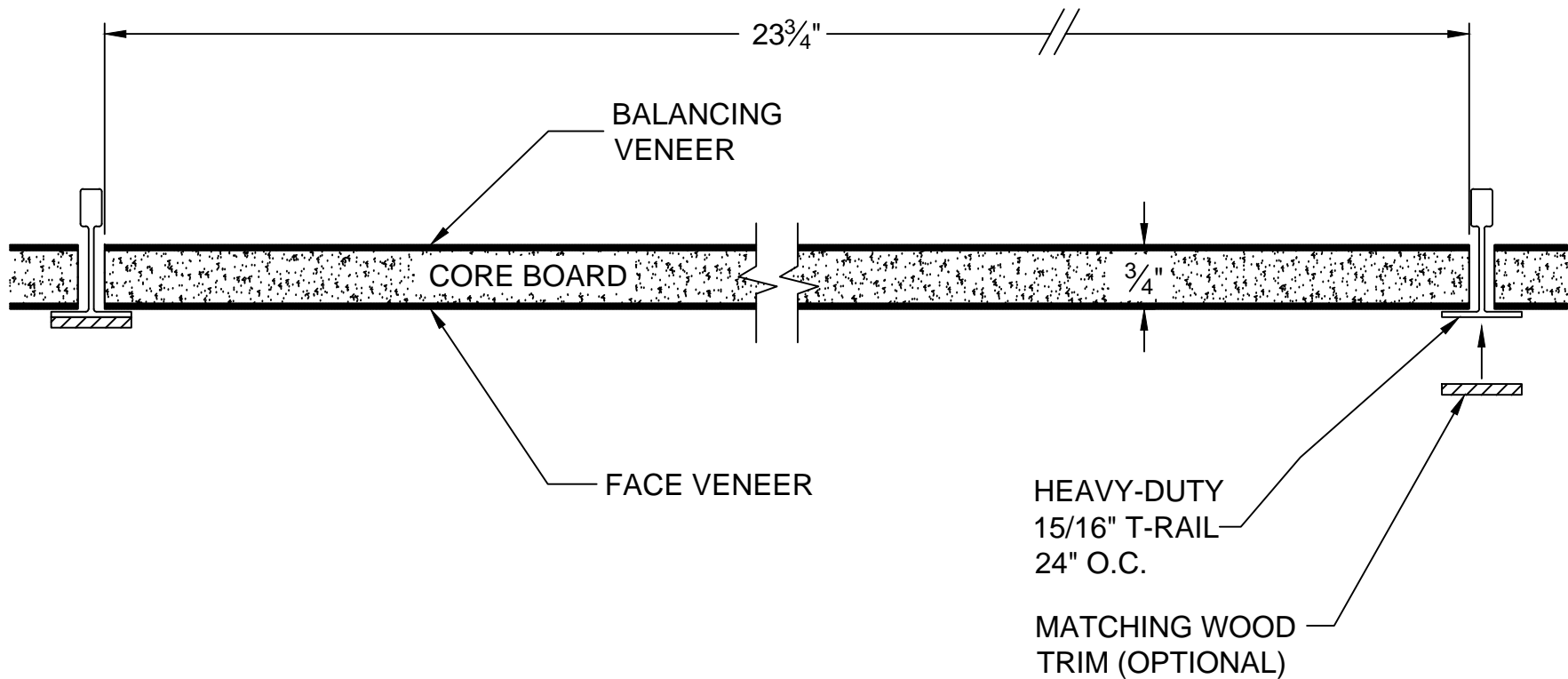
Upon the completion of ceiling installation, the owner's representative shall inspect all finished surfaces to ensure that work was performed in a manner satisfactory to the owner. Any deficiencies in the installed ceiling shall be corrected by the contractor at no additional cost to the owner or to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

<u>DRAWING #</u>	<u>TITLE</u>		
SLXA0001	Wood Square - Lay-in Style - $\frac{15}{16}$ " Grid	STFA0002	Wood Square - Edge Banded- Full Depth Tegular - $\frac{15}{16}$ " Grid
SLXB0001	Wood Square - Lay-in Style - $\frac{9}{16}$ " Grid	STFB0002	Wood Square - Edge Banded- Full Depth Tegular - $\frac{9}{16}$ " Grid
STXA0002	Wood Square - Standard Tegular Style - $\frac{15}{16}$ " Grid	STPA0002	Wood Square - Edge Banded- Partial Depth Tegular - $\frac{15}{16}$ " Grid
STXB0002	Wood Square - Standard Tegular Style - $\frac{9}{16}$ " Grid	STPB0002	Wood Square - Edge Banded- Partial Depth Tegular Style - $\frac{9}{16}$ " Grid
SSXA0003	Wood Square - Side Slot Style - $\frac{15}{16}$ " Grid		
SSXA0004	Wood Square - Side Slot Style - Panel Installation Detail		
SCXA0005	Wood Square - Coffered Style - $\frac{15}{16}$ " Grid		
SCXA0006	Wood Square - Coffered Style - Face Details		
STXA0007	Wood Square - Isometric View		



Standard Tegular Style Edge Shown

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PROJECT:

TITLE:

Wood Square - Lay-in Style - 15/16"
 Grid

ISSUE DATE:

REVISION DATE:

MAY/12/2011

DRAWN BY:

CAP

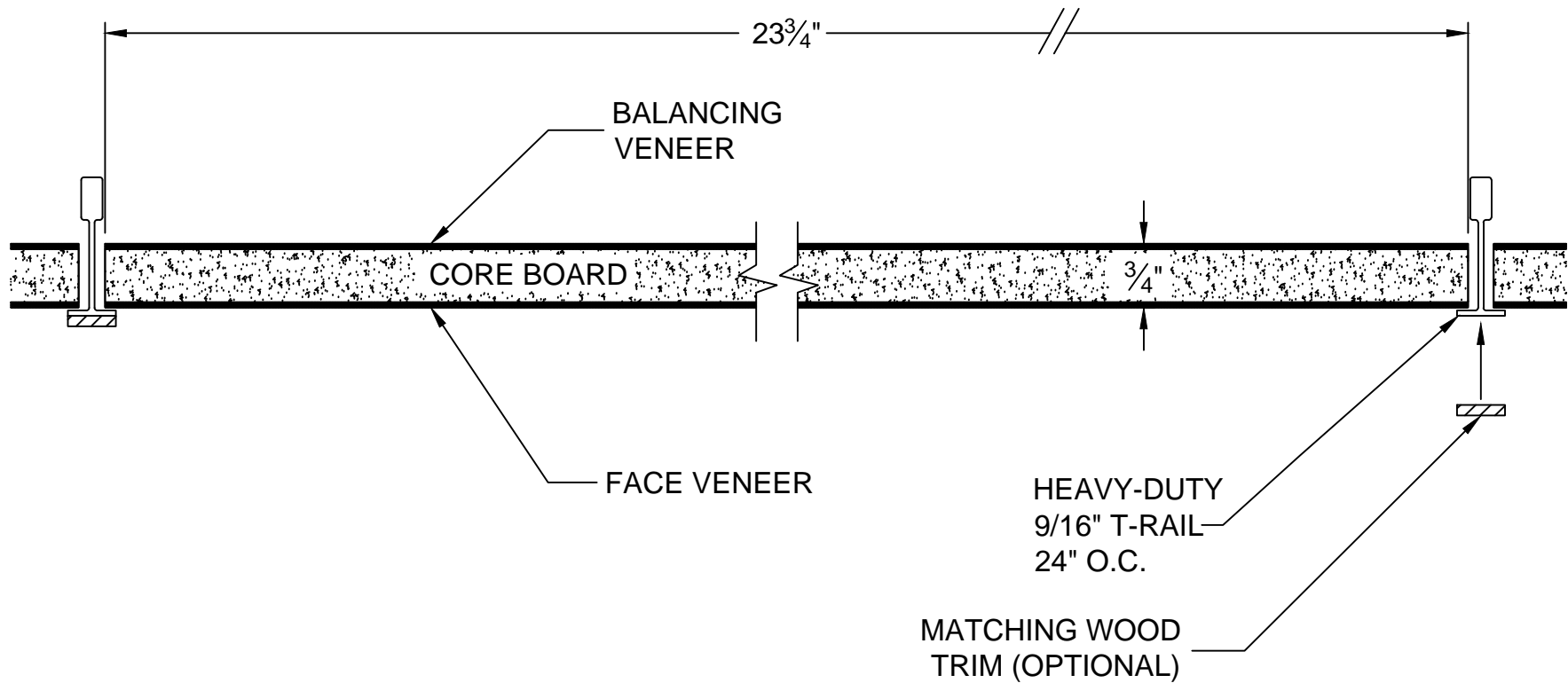
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PROJECT NUMBER:

DRAWING NUMBER:

SLXA0001



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PROJECT:

TITLE: Wood Square - Lay-in Style - 9/16" Grid

ISSUE DATE:

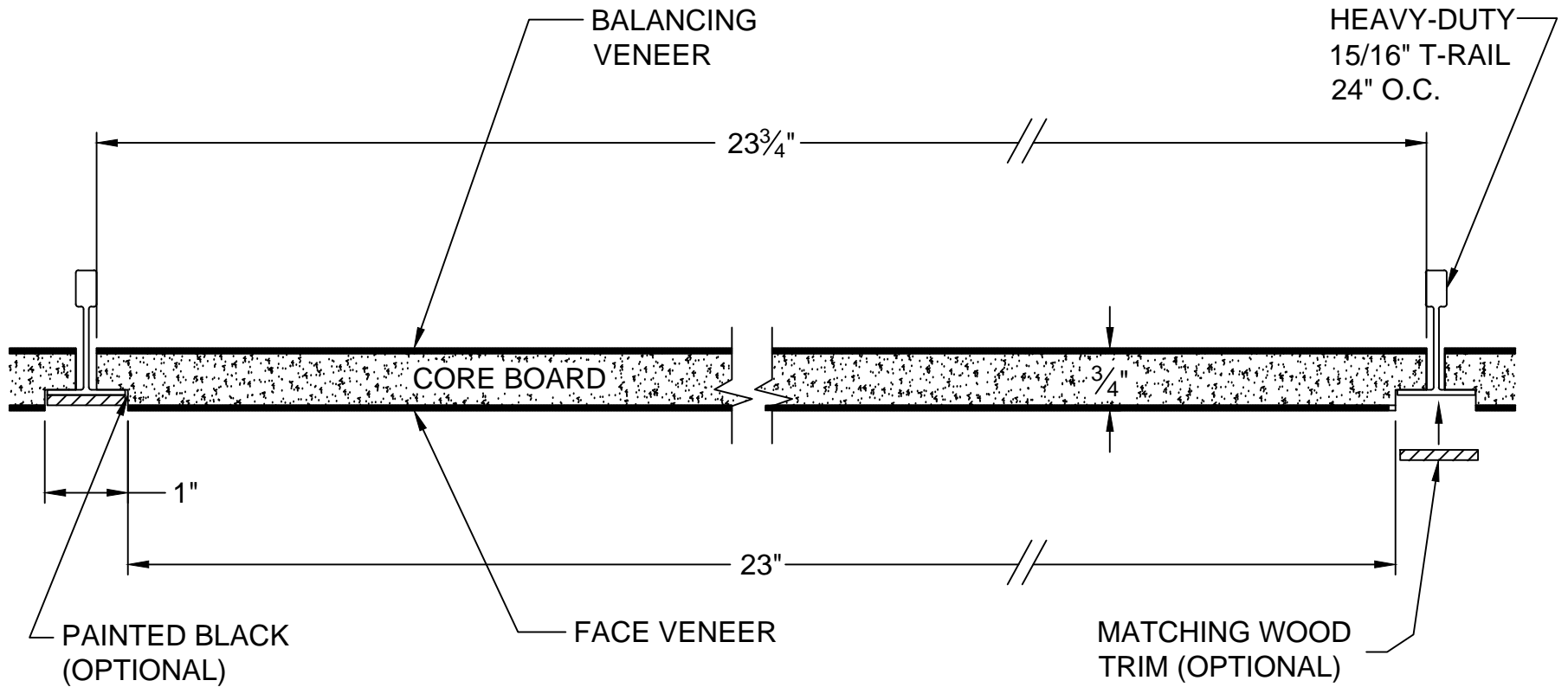
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PROJECT NUMBER:

DRAWING NUMBER:
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PROJECT:

TITLE: **Wood Square - Standard Tegar**
Style - 15/16" Grid

ISSUE DATE:

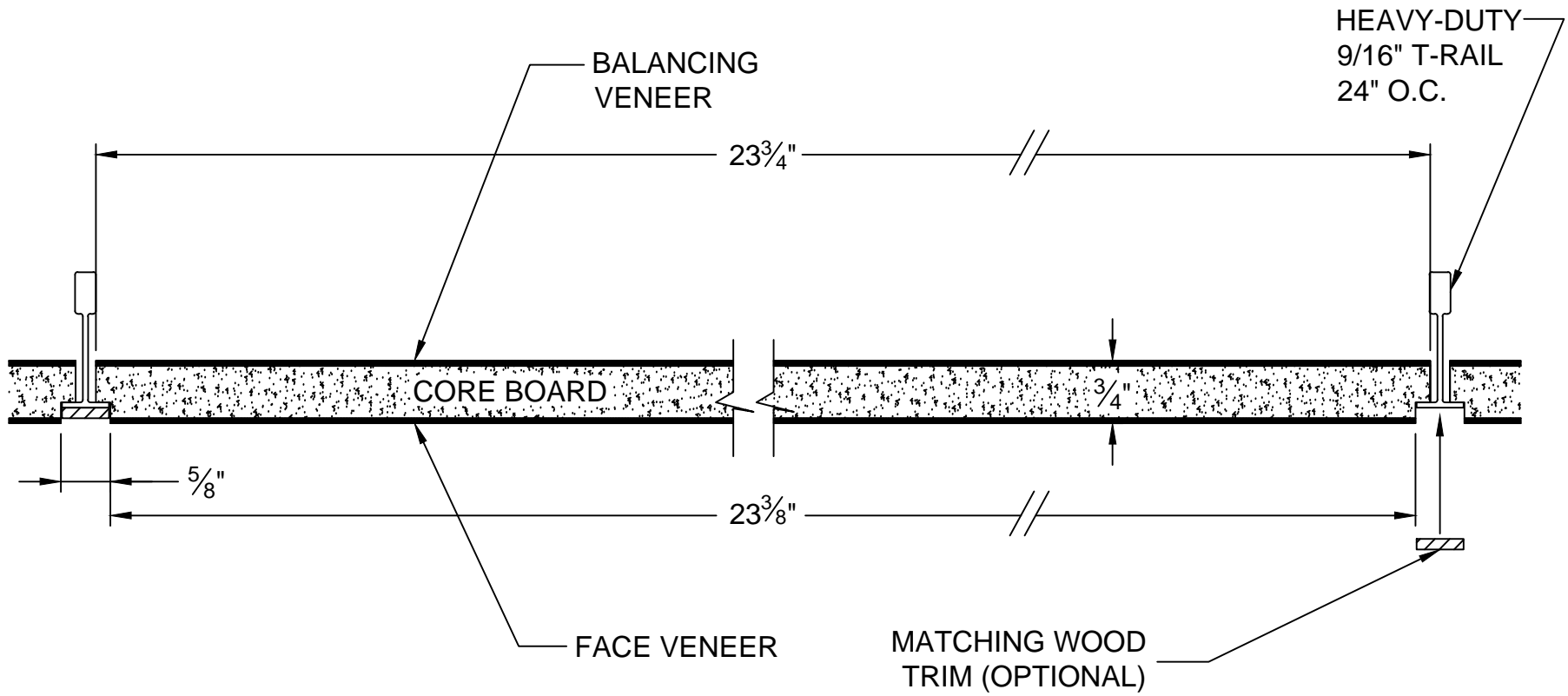
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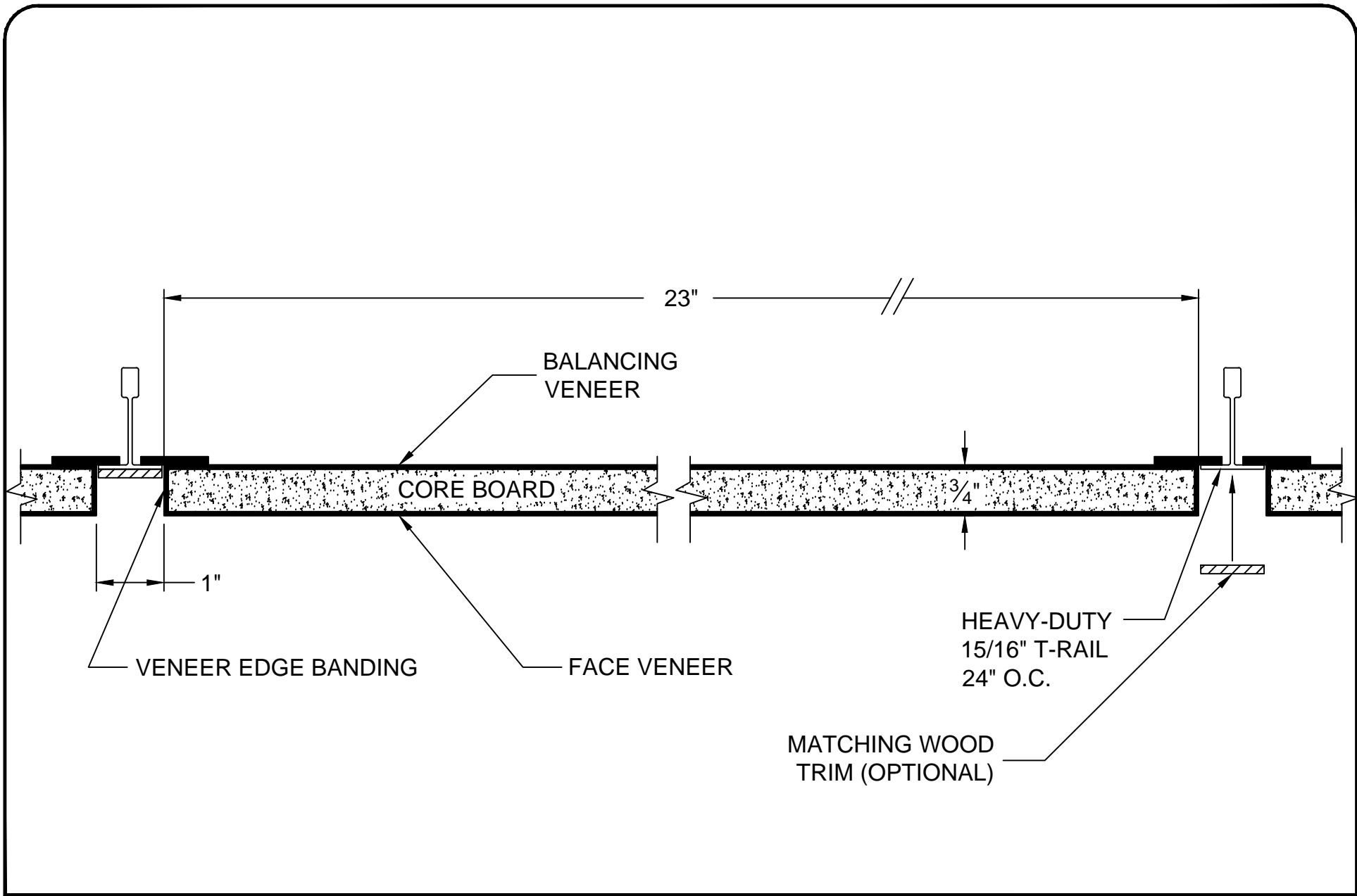
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PROJECT NUMBER:

DRAWING NUMBER:
STXA0002



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PROJECT:

TITLE:

Wood Square - Edge Banded Full
 Depth Tegular Style - 15/16" Grid

ISSUE DATE:

REVISION DATE:

MAY/12/2011

DRAWN BY:

CAP

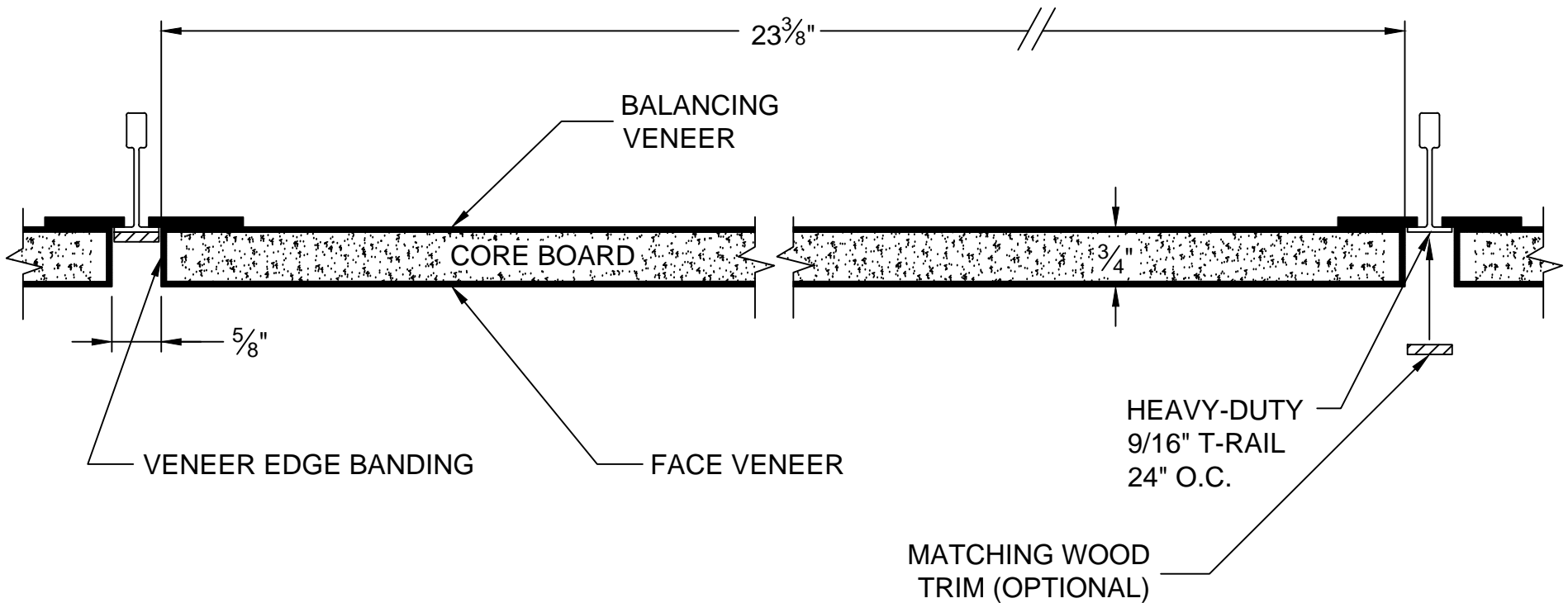
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PROJECT NUMBER:

DRAWING NUMBER:

STFA0002



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PROJECT:

TITLE:

Wood Square - Edge Banded Full
 Depth Tegular Style - 9/16" Grid

ISSUE DATE:

REVISION DATE:

MAY/12/2011

DRAWN BY:

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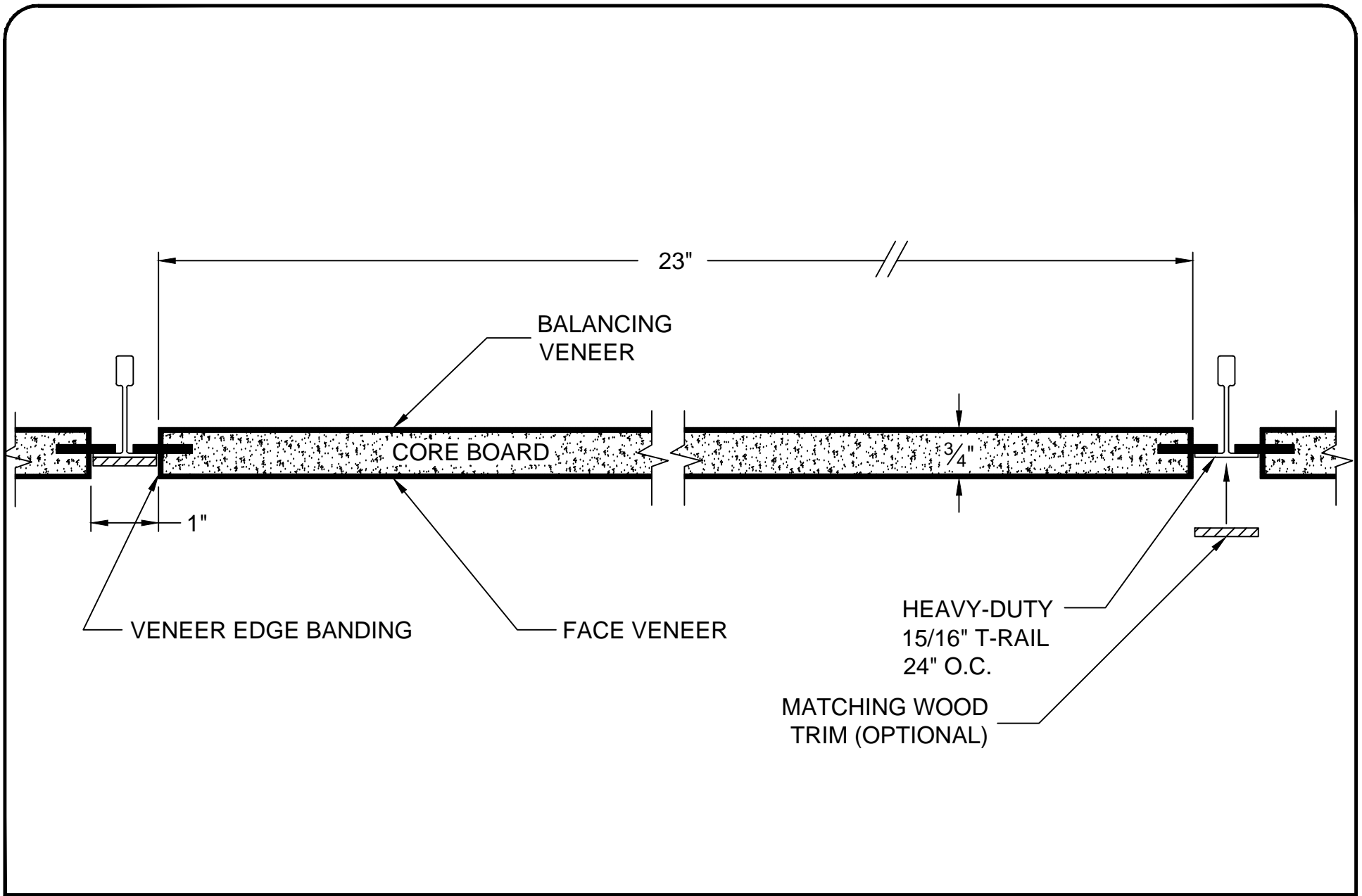
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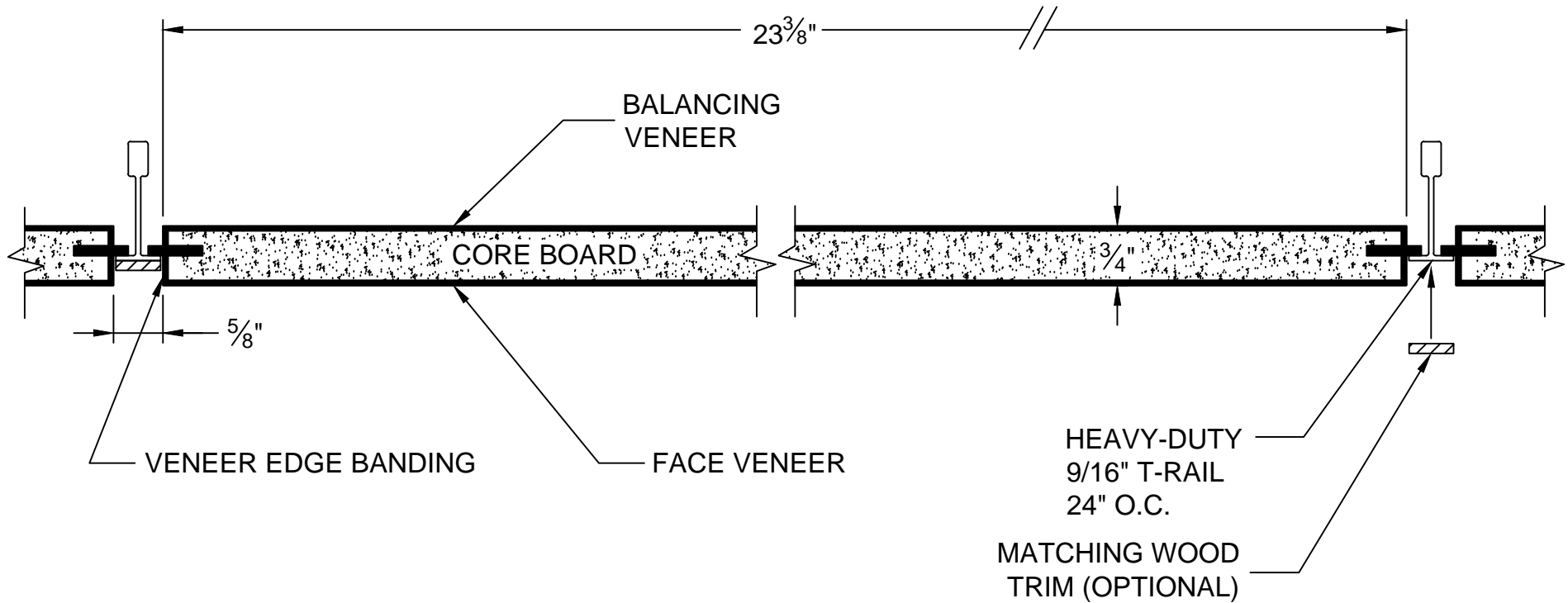
PROJECT NUMBER:

DRAWING NUMBER:

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	TITLE: Wood Square - Edge Banded Partial Depth Tegular Style - 15/16" Grid	REVISION DATE: MAY/12/2011	CHECKED BY: TA	DRAWING NUMBER: STPA0002	



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PROJECT:

TITLE:

Wood Square - Edge Banded Partial
 Depth Tegular Style - 9/16" Grid

ISSUE DATE:

REVISION DATE:

MAY/12/2011

DRAWN BY:

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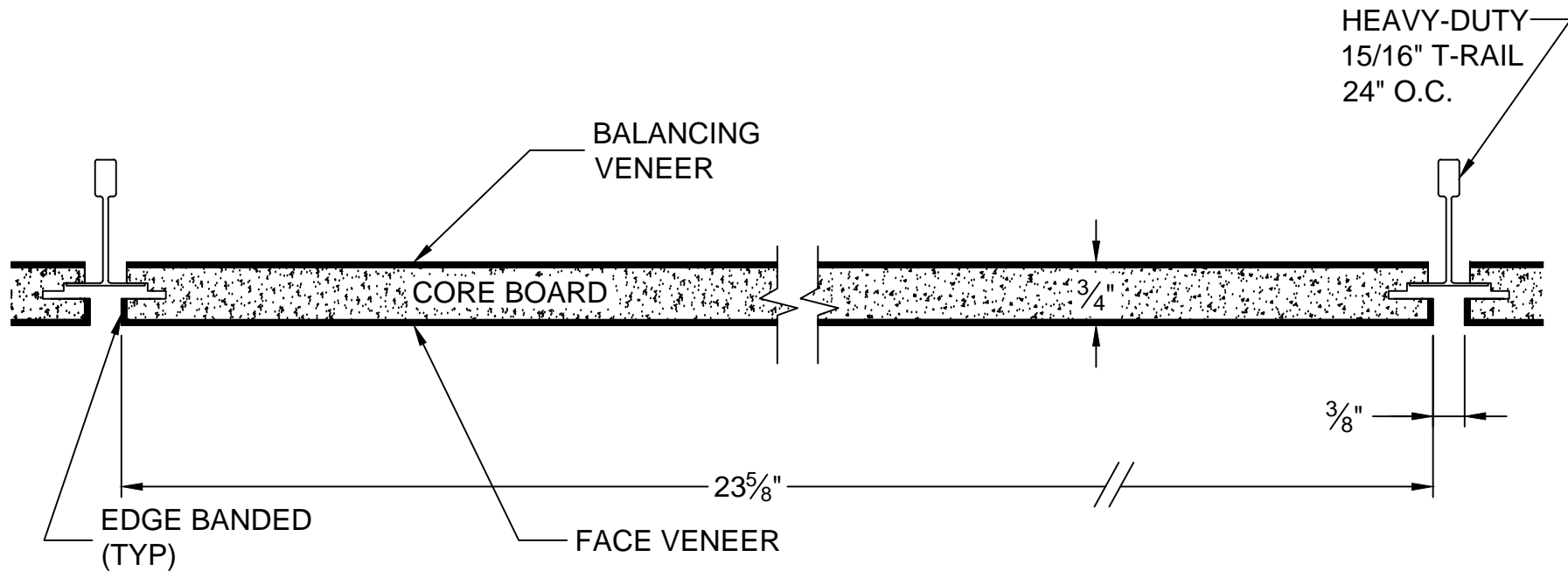
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PROJECT NUMBER:

DRAWING NUMBER:

STPB0002



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PROJECT:

TITLE: Wood Square - Side Slot Style -
15/16" Grid

ISSUE DATE:

REVISION DATE:
MAY/12/2011

DRAWN BY:

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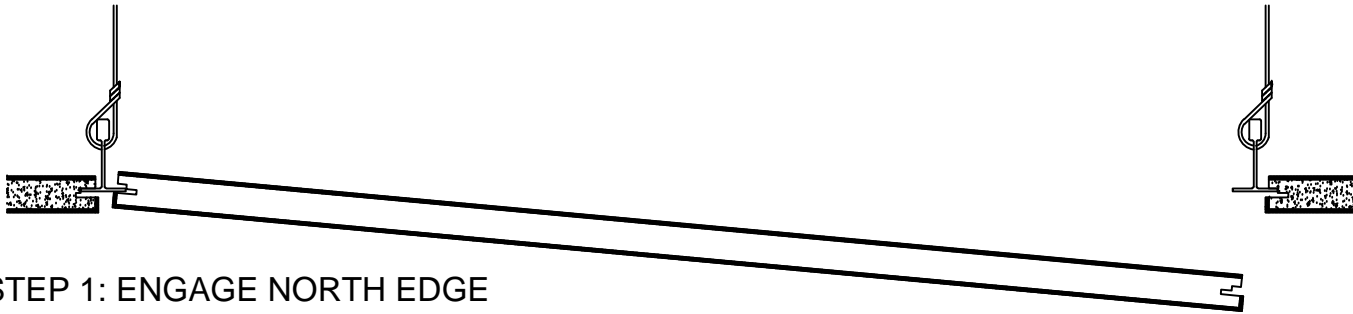
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PROJECT NUMBER:

DRAWING NUMBER:

SSXA0003



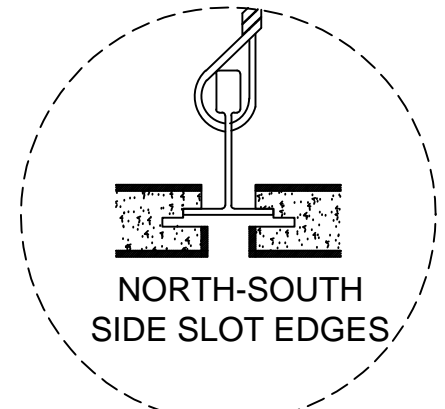
STEP 1: ENGAGE NORTH EDGE



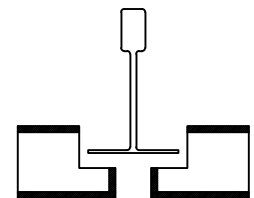
STEP 2: SLIDE PANEL TO LEFT TO ALLOW SOUTH EDGE TO CLEAR



STEP 3: SLIDE PANEL TO RIGHT TO LOCK PANEL ONTO GRID



NORTH-SOUTH SIDE SLOT EDGES



EAST-WEST REVERSE TEGULAR EDGES



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PROJECT:

TITLE: **Wood Square - Side Slot Style - Panel Installation Detail**

ISSUE DATE:

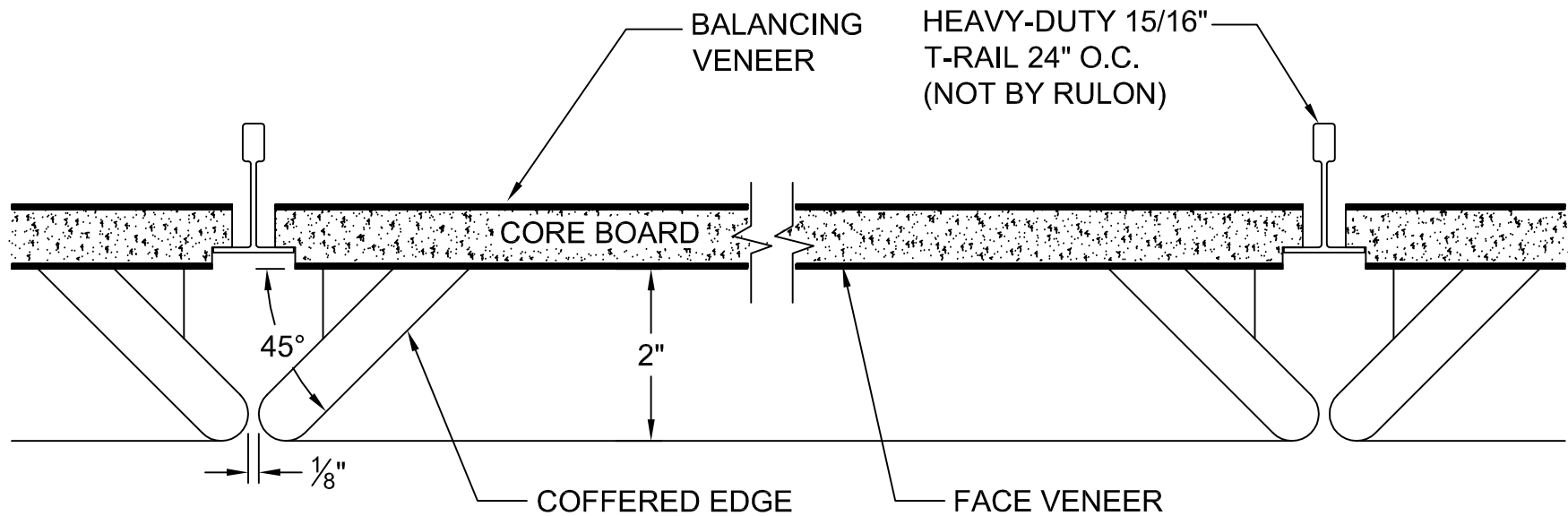
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PROJECT:

TITLE: **Wood Square - Coffered Style -
 15/16" Grid**

ISSUE DATE:

REVISION DATE:
MAY/12/2011

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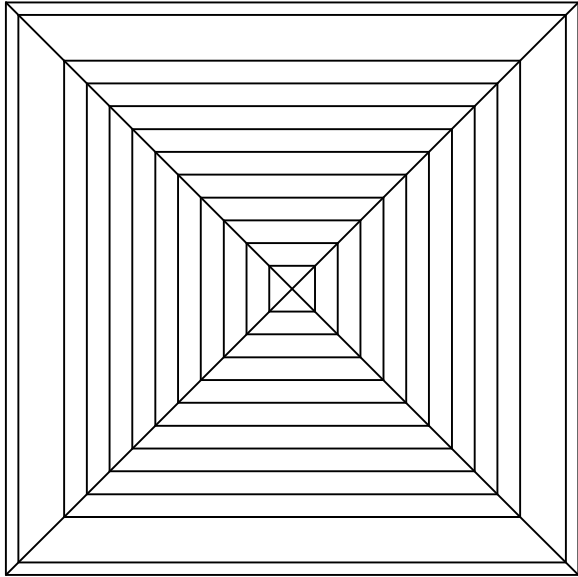
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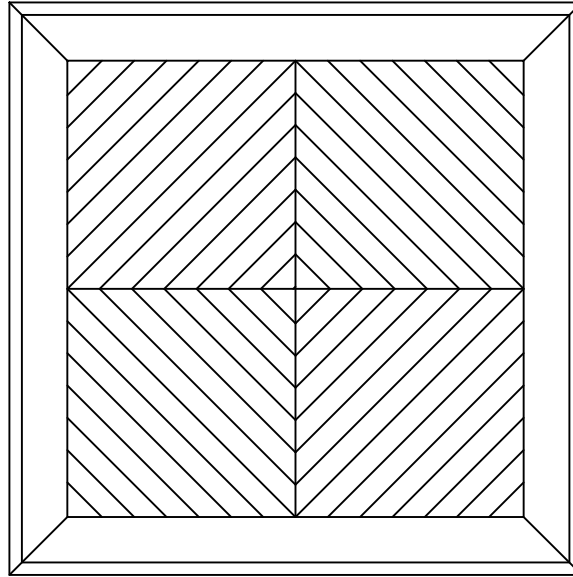
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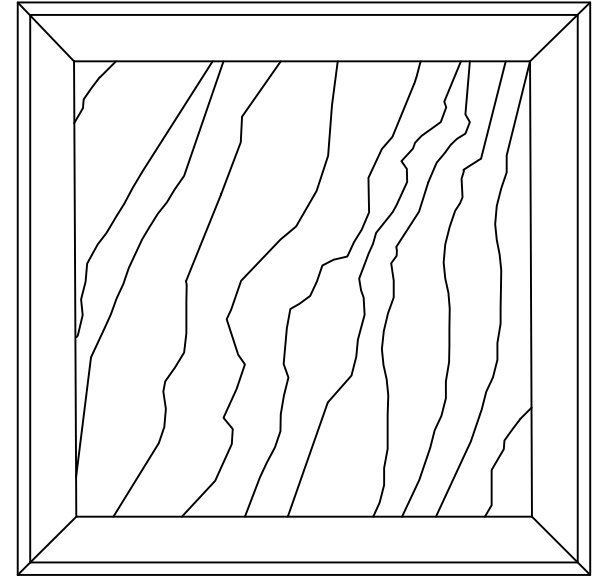
SCXA0005



QUARTERED DIAGONAL



QUARTERED SQUARE



PLAIN FACE



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PROJECT:

TITLE:

**Wood Square - Coffered Style -
 Face Details**

ISSUE DATE:

REVISION DATE:

MAY/12/2011

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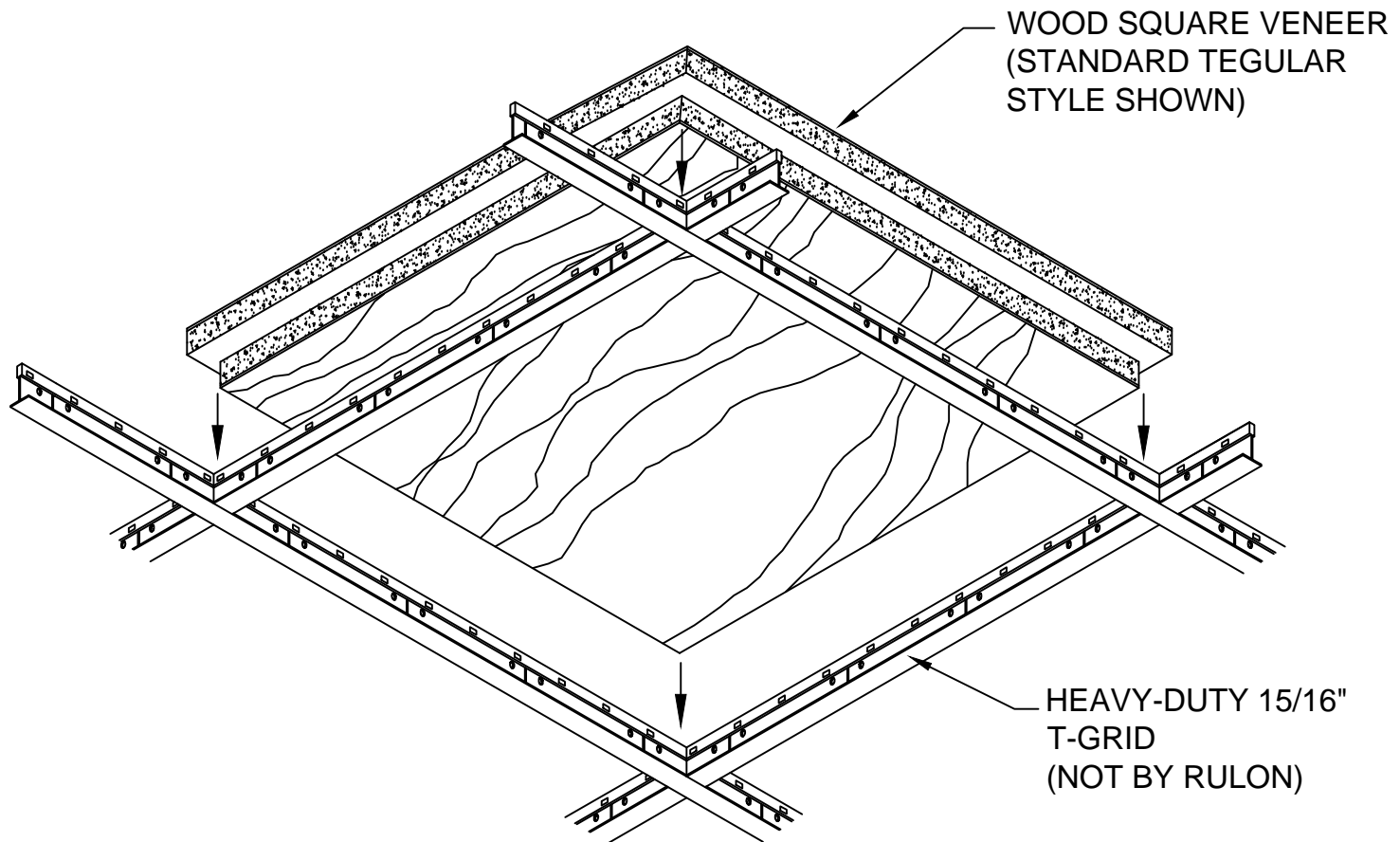
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PROJECT:

TITLE:

Wood Square - Isometric View

ISSUE DATE:

REVISION DATE:

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