

ARTICLE 13. CUTTING AND PATCHING

Section 13.01. Section Includes

A. Execute cutting, fitting or patching of Work, required to:

1. Make parts fit properly.
2. Uncover Work to provide for installation of ill-timed Work.
3. Remove and replace Work not conforming to requirements of Contract Documents.
4. Remove and replace defective Work.
5. Remove samples of installed Work as specified for testing.
6. Remove existing materials (demolition) required prior to installation of specified Work.
7. Uncover Work to provide for Architect's or Consulting Engineer's observation of covered Work.

B. Do not endanger structural integrity of any Work by cutting or altering any part of it.

C. The Contractors with structural responsibility within their scope of Work shall solely execute structural cutting and patching required for this Project.

D. Minor cutting and patching of finishes and/or trim will be performed by the Contractor where required for the execution of its Work. Locations of all cutting and patching (core boring, etc.) shall be reviewed and approved by the Architect or Consulting Engineer prior to the start of Work.

E. The Contractor shall make the field measurements necessary for its Work and be responsible for their accuracy. Also, should any structural difficulties prevent a Contractor from installing its material properly, the Owner's Representative and Architect or Consulting Engineer shall be notified in writing within twenty-four (24) hours. Cutting into the walls, ceilings and floors, if necessary, shall be carefully and neatly performed and then be repaired as specified in the Contract Documents. The Architect or Consulting Engineer shall be consulted prior to the start of Work in all cases where cutting into a structural portion of the building is either desirable or necessary so that satisfactory reinforcement may be provided.

F. Patching of all exposed architectural finishes shall be performed under the supervision of the Project Inspector. Cutting and patching of existing architectural finishes shall be

1 minimized to the extent possible through careful routing and placement of new Work. The
2 Architect, Consulting Engineer or Project Inspector shall have the authority to reject
3 substandard or unacceptable patching.
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5 G. Patching of openings that are cut in any fire rated walls or membranes shall be sealed
6 tightly using approved materials only. Verify that fire rating envelopes are maintained and
7 inspections provided prior to concealing Work. Cutting and patching, if required by
8 Agencies to verify adequacy of protection after concealment, shall be performed at no
9 cost to the City.
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11 Section 13.02. Related Sections.
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13 A. Special Provisions.
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15 B. Article 14 - Alteration Project Procedures.
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17 C. Article 16 - Quality Control.
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19 D. Article 17 - Construction Facilities and Temporary Controls.
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21 Section 13.03. Submittals.
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23 A. Prior to cutting which affects structural safety of Project, submit written notice to
24 Architect or Consulting Engineer requesting consent to proceed with cutting. See items
25 "C" and "E", Section 13.01.
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27 B. Should conditions of Work or schedule require change of materials or methods, submit
28 written recommendation to Architect or Consulting Engineer, within forty-eight (48) hours,
29 including:
30

31 1. Conditions requiring change.
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33 2. Recommendations for alternative materials or methods.
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35 3. Submittals as required for substitutions.
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37 4. Quotations of charges or credits.
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39 C. Submit forty-eight (48) hour advance written notice to the Architect or Consulting
40 Engineer, with a copy to the Owner's Representative, designating the time Work will be
41 uncovered.
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43 D. Submit all materials to be used in cutting and patching in accordance with Article 5 of
44 the General Provisions of the City's Standard Specifications.
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3 Section 13.04. Materials.
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5 A. Primary Products: Materials for replacement of Work removed are to comply with
6 Technical Specifications and are required to match original installation.
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8 B. Product Substitution: For any proposed change in materials, submit request for
9 substitution in accordance with Article 5 of the General Provisions of the City's Standard
10 Specifications.
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12 Section 13.05. Examination.
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14 A. Examine existing conditions prior to commencing Work, including elements subject to
15 movement or damage during cutting and patching.
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17 B. After uncovering existing Work, examine conditions affecting installation of new
18 products and performance of Work.
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20 C. Beginning of cutting or patching operations means acceptance of existing conditions.
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22 Section 13.06. Preparation.
23

24 A. Provide means of shoring, bracing and temporary supports as required to maintain
25 structural integrity of the Work.
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27 B. Provide devices, enclosures and methods to protect adjacent surfaces and areas of
28 the property from damage, dust or disruption.
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30 C. Provide protection from the elements for areas, which may be exposed during cutting
31 or patching.
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33 D. Maintain excavations free of water.
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35 Section 13.07. Cutting.
36

37 A. Execute cutting, fitting and adjustment of products to permit finished installation to
38 comply with specified tolerances and finishes.
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40 B. Perform cutting and demolition by methods, which will prevent damage to other Work,
41 and will provide proper surfaces to receive installation of repairs and new Work.
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43 C. Uncover Work to install improperly sequenced Work.
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45 D. Remove and replace defective, rejected or non-conforming Work.
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1 E. Remove samples of installed Work for testing when requested.

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3 F. Provide openings in the Work for penetration of Mechanical and Electrical Work.

4 G. Employ only experienced installers to perform cutting for weather exposed, moisture
5 resistant and sight-exposed surfaces.

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7 H. Cut concrete, tile plaster and other rigid materials using masonry/concrete saws and
8 core drills. Pneumatic tools are not allowed without prior approval.

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10 Section 13.08. Patching.

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12 A. Execute patching to match adjacent Work.

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14 B. Fit products together to integrate seamlessly with adjacent Work.

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16 C. Execute patching by methods to avoid damage to adjacent Work, and which will provide
17 appropriate surfaces to receive finishing Work.

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19 D. Employ only experienced installers to perform patching for weather exposed, moisture
20 resistant and sight-exposed surfaces.

21
22 E. Restore Work with new products in accordance with requirements of the Contract
23 Documents.

24
25 F. At penetrations of fire rated walls, partitions, ceiling or floor construction, completely
26 seal voids with approved fire rated material in accordance with the manufacturers
27 installation instructions and applicable Codes.

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29 G. Fit Work to pipes, sleeves, ducts, conduits and other penetrations through affected
30 surfaces neatly and leave in finished condition.

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32 H. All patched surfaces are to match adjacent finishes in all respects: Type, texture,
33 thickness and color. For continuous surfaces, refinish to nearest intersection or natural
34 break. For an assembly, refinish entire unit or area.