AGENDA CITY OF STURGEON BAY HISTORIC PRESERVATION COMMISSION

Friday, March 5, 2021 12:00 Noon Council Chambers, City Hall 421 Michigan Street, Sturgeon Bay, WI

- 1. Roll call.
- 2. Adoption of agenda.
- 3. Consideration of: Exterior alterations for Door County Eye Associates, 165 N. 3rd Avenue.
- 4. Adjourn.

NOTE: DEVIATION FROM THE AGENDA ORDER SHOWN MAY OCCUR.

Committee members:
Eric Paulsen
Chad Shefchik
Dave Augustson
Mark Schuster
Trudy Herbst
Barry Mellen

3/1/21 3:00 p.m. CN

CITY OF STURGEON BAY

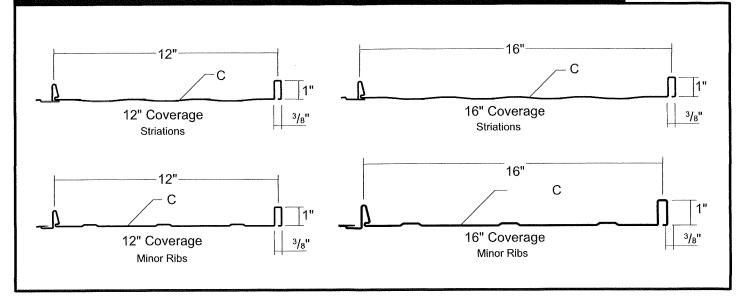
HISTORIC PRESERVATION COMMISSION

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

Name: Struck Construction (MARK GROCK) FOR DODE COUNTY EYEAS DELATED Owner of Premises: DOOR COUNTY EYE AGMOCLATED
Address or Legal Description of Premises: 165 HOFFH 3PD AVE. 9 WATEN BAT W
Statement of Specific Item Requested for Approval: TO PEPAID WATER DAMAGED STICCO FACADE AND PEGIFFACED WITH A ARCHITECTURAL MANDING TOLOR TO PE : MOCHA TAN (MEST WALC ALLEY COLOR TO PE : MOCHA TAN (MEST WALC)
2/24/2021 Date Applicant 920.495.41de3
Date Received: Date Approved/Denied: MICHA TAN (22) METAL SALES 29GA

IMAGE II

Condensed Technical Reference



ARCHITECTURAL RESIDENTIAL PANEL

CONCEALED FASTENED

12" OR 16" COVERAGE MINIMUM SLOPE 3:12

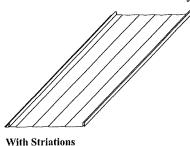
SOLID WOOD SUBSTRATE

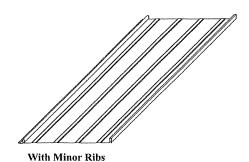
PANEL OVERVIEW

- ► Finishes: MS Colorfast45® and Acrylic-Coated Galvalume®
- Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume® AZ50 per ASTM A 792 for painted Galvalume®

G90 per ASTM A 653 for Galvanized

- ► Gauges: 26 ga standard; 24 ga optional
- ▶ 12" or 16" panel coverage, 1" rib height
- Panel Length: Minimum: 5'; Maximum: 30' recommended
- Architectural, concealed direct fastened, integral standing rib roof system
- ► Minimum roof slope: 3:12
- ▶ Applies over plywood with minimum 30# felt underlayment



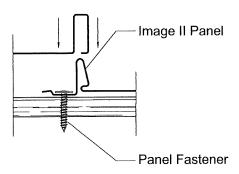


TESTING AND APPROVALS

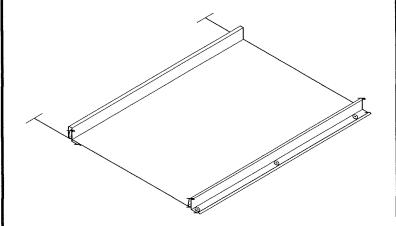
- ▶ UL 2218 Impact Resistance Class 4
- ▶ UL 790 Fire Resistance Rating Class A, per building code
- ▶ UL 263 Fire Resistance Rating per assembly
- ▶ UL 580 Uplift Resistance Class 90 Construction: #529
- ► Texas Windstorm Evaluation RC-162 and RC-399
- 2020 FBC Approvals FL11560.4, FL11560.5 and FL14645.11
- ▶ Miami-Dade County, Florida NOA 18-0830.03 expires 8/8/2023
- ► ICC Evaluation Report ESR-2385



ATTACHMENT DETAIL



FASTENING PATTERN



FASTENER INFORMATION

Overdriven fasteners will cause panel distortions.

Fasteners should extend 1/2" or more past the inside face of the support material.

Thick panels (ex. 18 ga) or supports (ex. 1/2" steel) may require predrilling of holes for screws.

Panel Fastener:

#10-12 Pancake Head Wood Screw

UI

#8-15 Truss Head Wood Screw

Concealed End Fastener:

#10-12 Pancake Head Wood Screw

or

#8-15 Truss Head Wood Screw

Exposed End Fastener:

#10-14 XL Wood Screw

Trim Fastener:

1/4"-14 x 7/8" XL Stitch Screw

or

1/8" x 3/16" Pop Rivet

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings				
Ga	Width in			Top In Compression Bottom In Compression			Outward Load					
		Yield ksi	Weight psf	lxx in ⁴ /ft	Sxx	lxx in⁴/ft	Sxx in³/ft	Outward Load				
		KSI	psi		in³/ft			0.5'	1'.	1.5'	2'	
26	12	50	0.99	0.0209	0.0231	0.0211	0.0232	103	96	90	84	
24	12	50	1.28	0.0268	0.0295	0.0268	0.0295	103	96	90	84	
26	16	50	0.92	0.0165	0.0174	0.0165	0.0177	103	96	90	84	
24	16	50	1.19	0.0210	0.0226	0.0210	0.0226	103	96	90	84	

- 1. Theoretical section properties have been calculated per AISI 2016 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending & shear and deflection. Allowable load does not address web crippling, fasteners, support material or load testing. Allowable load considers the three or more equal spans condition. Panel weight is not considered.
- 3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- 4. Allowable loads do not include a 1/3 stress increase for wind.

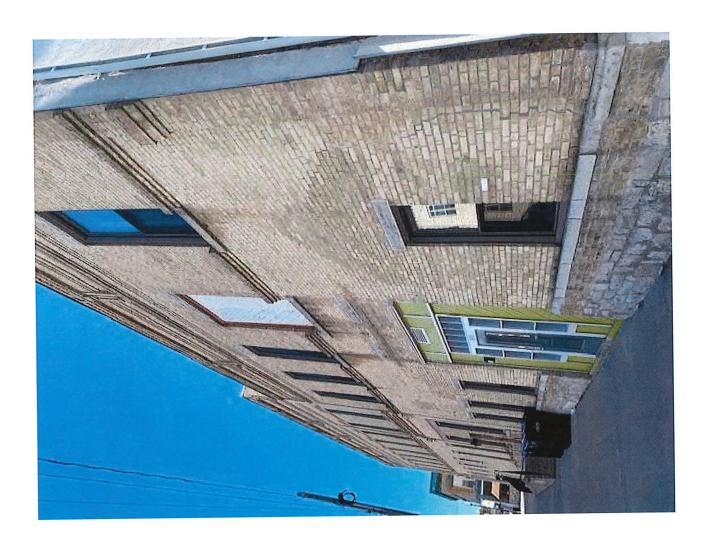
metal sales manufacturing corporation

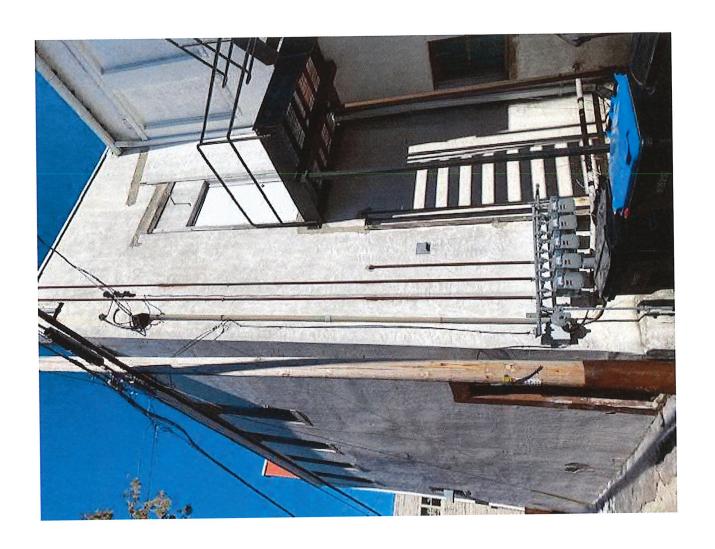


















Sent from my iPhone

VISUALIZE YOUR METAL ROOF TODAY



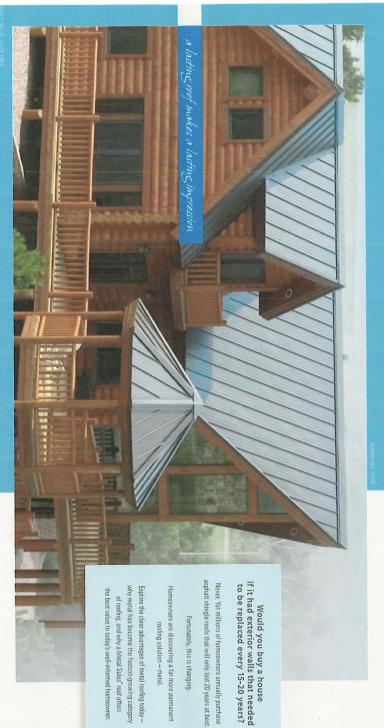
mental sales metal sales metalsales.us.com 800.406.7387





173 metal sales





This is one of the most common misconceptions of residential nated roofing. This likely stems from a common experience with the sound that rain makes on old barns and worm buildings. The difference between a barn and residential roof its a solid roof deck. This deck combined with underlayment dangers notes, resulting in a root that is no more or less noisy than any other type of roof.

Lightening strikes the highest point in an area, regardless of material. Metal roofs have the same chance of being struck as asphalt shingle, slate, wood or any other type of roof material.

Surprisingly, metal roofing is generally 50% lighter than an asphalt roof and 75% lighter than concrete tile, fiber cement shakes and slate.

Matal roofs have come a long way. Metal Sales roofing features multi-layer protection that starts with a protective Galvallume* or galvanized coating over the base metal, and employs high-qualify color systems that carry industry-leading warranties. The advanced alloys in these protective coatings have undergone real-world weathering tests and easure in the your metal roof will remain impervious to corrosion for decades to come.

Metal roofing is very durable. You can safely walk on a metal roof without causing damage to the panel. The solid roof deck under the metal panels provides ample structure to easily hold a person.

Under sunlight a roof gets hot. However, metal roofs come in a variety of 'cool' cobirs that rollers solar heat. Metal also releases solar heat quicker than a shaht kindigs, reducing the heat load on a home. According to the Heat Island Group of Lawrence Berkeley National Laboratory, reflective metal roofs reduce the need for cooling homes during hot summer months by up to 40%, saving energy and money.

WHY METAL?

A metal roof will likely be the last roof you ever purchase. A quality metal roof will last for generations – three times or longer than an asphalt shingle roof.

Metal roofs are easily maintained with simple washing of plain water or with household detergents for areas with heavy dirt deposits. Occasional light cleaning will maintain a good appearance.

Unlike asphalt or wood shingles, a metal roof exposed to burning embers will not catch fire. Also, metal roofs fair better than shingles in high winds.

These advantages can save up to 35% on insurance premiums.²

Steel is the A1 recycled material in the world, and residential metal roofs are made from up to 30% recycled steel, Asphalt shingles contain petroleum, are rarely weer recycled, and contribute 11 million tons of landfill waste per year?

¹ Cool Metal Roofing Coalition. ² Metal Roofing Alliance (MRA). ³ Environmental Protection Agency (EPA)

On average, a quality metal roof increases the value of a home by \$1.45 per square foot! Asphalt shingle roofs are often a liability when it's time to sell Metal roofs offer a wide variety of profiles and unlimited colors to applement and dramatically improve the curb appeal of any style home.

WHY METAL SALES?

Best Quality

Metal Sales" roots feature the asfest and highest quality protective coating systems to ensure that your root remains piction, holds its color, and is free of corrasion for generations to come. Bowers of chaps imported state, as it generally uses inferior coatings that do not last and may contain dangerous toxins, including lead.

Best Warranty

Compare Metal Sales warranty options to any other roofing manufacturer and you'll discover true peace-of-mind. Metal Sales 45 year durability warranties are the best in the industry.

Best Value

Metal Sales offers homeowners the best overall value in metal roofing because of our purchasing power and commitment to using only the highest quality steel and coating systems.

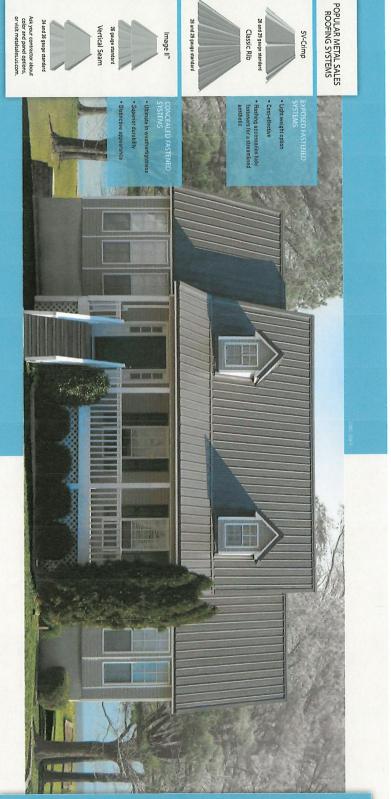
Best Support

Metal roofs must be installed by experienced and skilled contractors to ensure trouble-fee longwity. Metal Sales operated 21 locations nationwide to provide roofing contractors with inade-on training and support to ensure that your roof is installed expertly.

Cool Roofing Energy Savings

All Metal Sales color coatings — even the darkest — are ENERGY STAR* listed for their ability to remain cool. This results in up to 40% annual energy savings and may qualify a homeowner for utility rebrase and tax credits.

Today's discerning homeowner demands higher quality, longer lasting, and environmentally-sound products. Metal Sales has more than 50 years of experience as an industry leader in providing exactly this type of product.



OTHER THINGS TO CONSIDER

Gauge is the measurement of sheet metal thickness. The lower the gauge number, the thicker the steel. Z6 gauge is the most common thickness for residential metal roof panels. Z4 gauge (thinser) are other popular reholess. Lower gauge panels ofter superior durability and lifespan compared to higher gauge panels ofter superior durability and lifespan compared to higher gauge panels.

Some concealed fastened panels use hidden clips that attach the metal panels to the roof substrate, allowing the panels to expand and contract fresh and oxtending the life of the roof. Another type of concealed fastener panels attached to the roof with screwa along the doctor than the doplining and coverts the row of screwa, protecting them from rain, snow, ice and sun.

This more economical option uses screws that penetrate the roof panel to attach to the roof substrate. The screws include a special gasket that helps prevent leaking at the penetration.

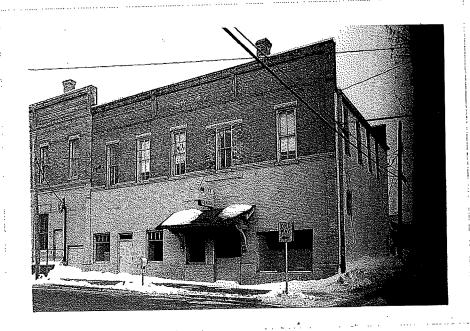
Multi-layer coatings are factory applied to metal roof panels for long-term corrosion resistance, for color and to keep your roof cooler during sunny days, it helps to understand these systems when making a shoice for your home. Qualify coating systems after superior protection and furnishly, have undergone real-world resting, and usually come within warranty that guarantees optimal performance.

The rib height of a panel is an important consideration whan choosing a metal roof system. Short ribs give a "softer flook than tall ribs. Some panels have ribs only at the samms while others have several ribs per panel.

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INTENSIVE SURVEY FORM City, Village or Town:	Historic Preservat	10n, D1	Surveyor:	HISCOLICA	Date:				
4	Door		PHA/ KRIVISKEY 18 Feb. 8			eb. 82	Stree No		
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·	renue								
Current Name & Use: Vacant (Recently	Ace Hardware)		Cherryland Inve	stments,	LTD		rd		
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2	Store	A/B	J.J. Wright	1872-1886	<i>Hotel</i>	, C	Town		
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wint of alaggical deta	iling to this otherw	use	The building on this site was constructed						
plain but visually problock of cream colored	minent corner commen brick and trimmed w	ith.	in 1889 bu	in 1889 by the Tift-Hay Hardware Store.					
limestone sills and li	ntels. The building	retain	The site had been the location of David Houle's "Cedar Street House" a saloon						
its original storefror materials have been us	nt opening although m	nodern Hifica-	and hotel until a fire in 1886 destroyed						
tions This building	ls of interest primai	the structure. Between 1872-1886 J.J.							
a handsome example of	a once common buildi	ing sty	e Wright owned the hotel.						
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5 Sources of Information	(Reference to Above)	Representation in Previous Surveys HABS ONAER WHIP ONRHP Olandmark							
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Sturgeon Bay Historic Preservation Commission

Historical Preservation Architectural Guidelines for Alterations and New Construction

In determining whether to grant a CERTIFICATE OF APPROPRIATENESS, the COMMISSION shall consider all and may give decisive weight to any of the following:

- (1) Guidelines for the design of new IMPROVEMENTS within HISTORIC PRESERVATION DISTRICTS or the construction of additions to existing IMPROVEMENTS within such districts shall be as follows:
 - (a) Any new IMPROVEMENT should be constructed to a height visually compatible with the IMPROVEMENTS and environment with which it is visually related.
 - (b) The gross volume of any new IMPROVEMENT should be visually compatible with the IMPROVEMENTS and environment with which it is visually related.
 - (c) The proportion between the width and height in the street facade(s) of an IMPROVEMENT should be visually compatible with the IMPROVEMENTS and environment with which it is visually related.
 - (d) The proportions and relationships between doors and windows in the street facade(s) of an IMPROVEMENT should be visually compatible with the IMPROVEMENTS and environment with which it is visually related.
 - (e) The proportion of solids to voids, as created by openings in the street facade of an IMPROVEMENT should be visually compatible with the IMPROVEMENTS and environment with which it is visually related.
 - (f) The design of the roofline of an IMPROVEMENT should be visually compatible with the IMPROVEMENTS and environment with which is it visually related.
 - (g) When adjacent district IMPROVEMENTS have a dominant horizontal or vertical expression, this expression should be reflected in the new street facade construction.
 - (h) Contemporary design for ALTERATIONS and additions to an existing IMPROVEMENT should not be discouraged when such ALTERATIONS and additions do not destroy significant historical, architectural, or cultural material, and when such design is compatible with the size, scale, material, and character of the IMPROVEMENTS and environment with which it is visually related.

- (i) Whenever possible, new additions or ALTERATIONS to an IMPROVEMENT should be done in such a manner that if such additions or ALTERATIONS were to be removed in the future, the essential form and integrity of the original IMPROVEMENT would be unimpaired.
- (j) A graphic presentation of these guidelines for new construction is depicted in Attachment No. 1.
- (2) Guidelines for the ALTERATION of existing HISTORIC STRUCTURES or of existing IMPROVEMENTS located on HISTORIC SITES or within HISTORIC PRESERVATION DISTRICTS are as follows:
 - (a) Every reasonable effort should be made to provide a compatible use for an IMPROVEMENT that requires minimal ALTERATION of the structure or site and its environment.
 - (b) The distinguishing original qualities or character of an IMPROVEMENT and its environment should not be destroyed. The removal or alteration of any historic material or distinctive architectural features should be avoided when possible.
 - (c) All IMPROVEMENTS should be recognized as products of their own time. Alterations which have no historical basis or which seek to create an inappropriate earlier appearance should be discouraged.
 - (d) Changes which has taken place in the course of time as evidence of the history and development of an IMPROVEMENT may have acquired significance in their own right, and this significance should be recognized and respected.
 - (e) Distinctive stylistic features or examples of skilled craftsmanship which characterize an IMPROVEMENT should be treated with sensitivity.
 - (f) Deteriorated architectural features should be repaired rather than replaced wherever possible. In the event replacement is necessary, the new material should match the material being replaced in composition, design, texture, and other visual qualities. Repair or replacement of missing architectural features should be based on accurate duplications of features, substantiated by historical, physical, or pictorial evidence rather than on conjectural designs or the availability of different architectural elements from other IMPROVEMENTS.
 - (g) The surface cleaning of IMPROVEMENTS should be undertaken with the gentlest means possible. Sandblasting and other abrasive cleaning methods that will damage historic building materials shall not be undertaken.

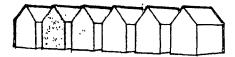
- (3) Additional guidelines to be considered in the review of any request for a CERTIFICATE OF APPROPRIATENESS are as follows:
 - (a) Materials, textures, and patterns used on the street facade(s) should be visually compatible with the IMPROVEMENT and the environment with which it is visually related.
 - (b) Every reasonable effort shall be made to protect and preserve archeological resources affected by, or adjacent to, any project for which a CERTIFICATE OF APPROPRIATENESS is required.

Sturgeon Bay Historic Preservation Commission

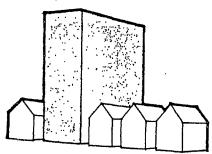
Attachement No. 1. Architectural Guidelines for New Construction

HEIGHT

Consider—Relating the overall height of new construction to that of adjacent structures. As a general rule, construct new buildings to a height roughly equal to the average height of existing buildings from the historic period on and across the street.

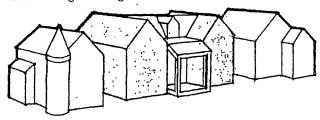


Avoid—New construction that greatly varies in height (too high or too low) from older buildings in the vicinity.

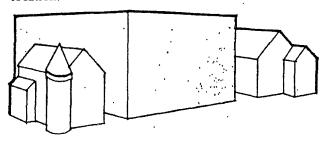


SCALE

Consider—Relating the size and proportions of new structures to the scale of adjacent buildings. Although much larger than its neighbors in terms of square footage, the building shown maintains the same scale and rhythm as the existing buildings.



Avoid—Buildings that in height, width, or massing violate the existing scale of the area. The new building shown here disrupts the scale and rhythm of the streetscape, although it might be appropriate in a different location.

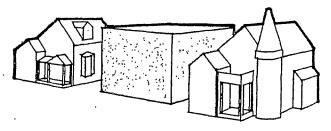


MASSING

Consider—Breaking up uninteresting boxlike forms into smaller, varied-masses such as are common on most buildings from the historic period. Variety of form and massing are elements essential to the character of the streetscape in historic districts.



Avoid—Single, monolithic forms that are not relieved by variations in massing. Boxlike facades and forms are intrusive when placed in a streetscape of older buildings that have varied massing and facade articulation.



DIRECTIONAL EXPRESSION

Consider—Relating the vertical, horizontal, or nondirectional facade character of new buildings to the predominant directional expression of nearby buildings. Horizontal buildings can be made to relate to the more vertical adjacent structures by breaking the facade into smaller masses that conform to the primary expression of the streetscape.



Avoid—Strongly horizontal or vertical facade expressions unless compatible with the character of structures in the immediate area. The new building shown does not relate well to either its neighbors or to the rhythm of the streetscape because of its unbroken horizontal facade.

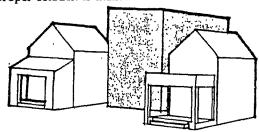


SETBACK

Consider—Maintaining the historic facade lines of streetscapes by locating front walls of new buildings in the same plane as the facades of adjacent buildings. If exceptions are made, buildings should be set back into the lot rather than closer to the street. If existing setbacks vary, new buildings should conform to historic siting patterns.



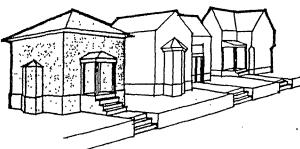
Avoid—Violating the existing setback pattern by placing new buildings in front of or behind the historic facade line. Avoid placing buildings at odd angles to the street, unless in an area where diverse siting already exists, even if proper setback is maintained.



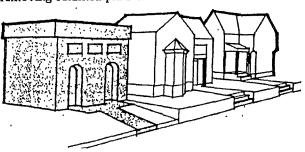
PLATFORMS

Consider—The use of a raised platform is a traditional siting characteristic

This visual "pedestal" is created by retaining walls and terracing up to the building or by high foundation walls and stepped entries.

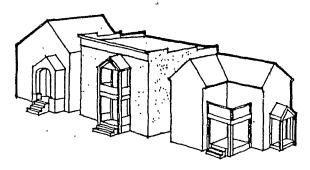


Avoid—Bringing walls of new buildings straight out of the ground without a sense of platform, i.e., without maintaining the same entry height as neighboring buildings. Such structures seem squat, visually incomplete, and do not relate well to their elevated neighbors. Also avoid leveling off terraced slopes or removing retained platforms.

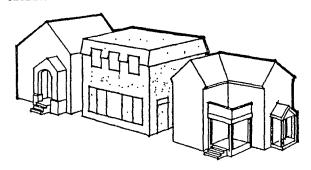


SENSE OF ENTRY

Consider—Articulating the main entrances to the building with covered porches, porticos, and other pronounced architectural forms. Entries were historically raised a few steps above the grade of the property and were a prominent visual feature of the street elevation of the building.

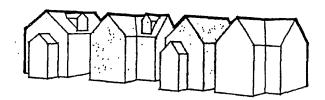


Avoid—Facades with no strong sense of entry. Side entries or entries not defined by a porch or similar transitional element result in an incompatible "flat" first-floor facade.

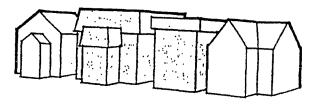


ROOF SHAPES

Consider—Relating the roof forms of the new buildings to those found in the area. Although not entirely necessary, duplication of the existing or traditional roof shapes, pitches, and materials on new construction is one way of making new structures more visually compatible.



Avoid—Introducing roof shapes, pitches, or materials not traditionally used in the area.

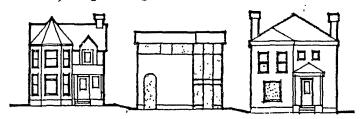


RHYTHM OF OPENINGS

Consider—Respecting the recurrent alternation of wall areas with door and window elements in the facade. Also consider the width-to-height ratio of bays in the facade. The placement of openings with respect to the facade's overall composition, symmetry, or balanced asymmetry should be carefully studied.



Avoid—Introducing incompatible facade patterns that upset the rhythm of openings established in surrounding structures. Glass walls and window and door shapes and locations shown in the example are disrespectful to the adjoining buildings.



IMITATIONS

Consider—Accurate restoration of or visually compatible additions to existing buildings, and, for new construction, contemporary architecture that well represents our own time, yet enhances the nature and character of the historic district.



Avoid—Replicating or imitating the styles, motifs, or details of older periods. Such attempts are rarely successful and, even if done well, present a confusing picture of the true character of the historical area.

