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HORIZONTAL GUTTER SPECIFICATIONS AND OPTIONS
See Sections 11.4, 11.6, and 11.7 for Standard Details.

FEATURES:
- **Universal Heavy Gauge Gutter Bracket**: Works for virtually any roof pitch, and is hidden from view, so it does not need to be painted.
- **Optional Gutter Bracket Spacing**: Standard spacing is 4’-0 on center. 2’-0 spacing is recommended in snow regions.
- **Optional Gutter Reinforcement Angle**: Typically used in Heavy Snow locations.
- **Optional Simple Rake Trim Profile**: Typically used with VR16 II Roof applications, but available for all NBS roof types. Simple High Eave Trim for Single-Slope buildings to coincide with the Simple Rake Trim.
- **Optional Rake Retainer Trim**: With the use of the Simple Rake Trim, the Rake Retainer Trim is Optional for panel runs less than 35’. It is **required** for panel runs greater than 35’ to allow the rake trim to move with the thermal expansion and contraction of the roof panel.
- **Installation Flexibility**: Much of the work can be done on the ground.
- **Metal Gutter End Caps**: Provides strength at the ends of the gutter and clean, erector friendly rake trim transition. No plastic parts with this system.
- **Gutter Capacity**: No loss of gutter capacity because of steep pitch roof. System is independent of roof slope.
- **Downspout Options**: Corrugated and Press-Broke Downspouts available.
- **BERT**: All of the options listed above are being added to the BERT contract for ease of ordering. For a short time, a Quote Qualification Sheet will be necessary (see the last page of this document).
NOTE: FASTENERS ARE PROVIDED IN COLORS TO MATCH THE INDIVIDUAL COMPONENTS. THE (4) GUTTER BRACKET TO GUTTER ANGLE FASTENERS ARE ROOF LINE TRIM COLOR.

ISOMETRIC VIEW OF HORIZONTAL GUTTER SYSTEM

EAVE ANGLE & EAVE ZEE SHOWN FOR REFERENCE ONLY, ACTUAL MEMBER MAY VARY
VR16 II ROOF PANEL SHOWN FOR REFERENCE ONLY, DETAIL AVAILABLE FOR ALL PANEL TYPES
STANDARD PARTS

18 Gauge, Galvanized
This is a Buyout Part

GUTTER BRACKET
(H2210)

18 Gauge, Burnished
Slate or Polar White
Only, 10'-1" Long

GUTTER ANGLE
(GAT___)

GUTTER POSITIONING TRIM
(GPT10)

26 Gauge, Standard Colors
10'-1" Long

GUTTER SUPPORT ANGLE
(MAG10)

26 Gauge, Standard Colors, 10'-1" Long

SIMPLE RAKE TRIM
(RTB01)

26 Gauge, Standard Colors,
VR16 II Trim Shown,
Classic & CFR Similar

SIMPLE HIGH EAVE TRIM
(HE___)

26 Gauge, Standard Colors
For Use With
Simple Rake Trim
(Shown 1/2 Scale)

METAL GUTTER END CAP
(GEC01)

26 Gauge, Standard Colors
For Use With Sculptured Rake Trim
(Shown 1/2 Scale)

METAL GUTTER END CAP
(GEC02)
SIMPLE RAKE & HIGH EAVE DETAILS

SIMPLE RAKE TRIM DETAIL

"VR16 II" ROOF SHOWN FOR REFERENCE

SIMPLE HIGH EAVE TRIM DETAIL

"VR16 II" ROOF SHOWN FOR REFERENCE
GUTTER TO RAKE TRANSITIONS

RECOMMENDED SIMPLE RAKE TO horizontal GUTTER DETAILS

REGARDLESS OF THE OTHER DETAIL, PLACE AN RAKE TRIM AT THE BACK OF THE GUTTER.

REGARDLESS OF THE OTHER DETAIL, PLACE A RAKE TRIM AT THE BACK OF THE GUTTER.

RECOMMENDED SCULPTURED RAKE TO horizontal GUTTER DETAILS

REGARDLESS OF THE OTHER DETAIL, PLACE AN RAKE TRIM AT THE BACK OF THE GUTTER.

END CAP MK. RCA ALL ADJOINING SURFACES
RAKE TRIM MK. RTB01
FASTEN WITH H1050 FASTENERS OR H1050 POP RIVETS AS REQUIRED
GUTTER END CAP MK. GEC01

END CAP MK. RCA ALL ADJOINING SURFACES
RAKE TRIM MK. RTB01
FASTEN WITH H1050 FASTENERS OR H1050 POP RIVETS AS REQUIRED
GUTTER END CAP MK. GEC01

END CAP MK. RCA ALL ADJOINING SURFACES
RAKE TRIM MK. RTB01
FASTEN WITH H1050 FASTENERS OR H1050 POP RIVETS AS REQUIRED
GUTTER END CAP MK. GEC01

LAST REVISION
DATE: 02/09/01
BY: CDM CHK: RJF

HZ Gutter Transition PE.dwg

7.8.7
DOWNSPOUT OPTIONS

STANDARD DETAIL FOR CORRUGATED DOWNSPOUTS
(OUTLET & CORRUGATED "S")

STANDARD DETAIL FOR PRESS-BROKE DOWNSPOUTS
(PRESS-BROKE CONNECTOR BOX)

OPTIONAL DETAIL FOR CORRUGATED & PRESS-BROKE
(OUTLET ONLY)

OPTIONAL COLLECTOR BOX FOR CORRUGATED & PRESS-BROKE
(PRESS-BROKE COLLECTOR BOX)

STANDARD DETAIL FOR LOW EAVE OVERHANGS
(TWO ELBOWS)