Cutting Details dwg. Top of Step Handrail: 1) Easing Over Tangents 2) Miter Cut Details

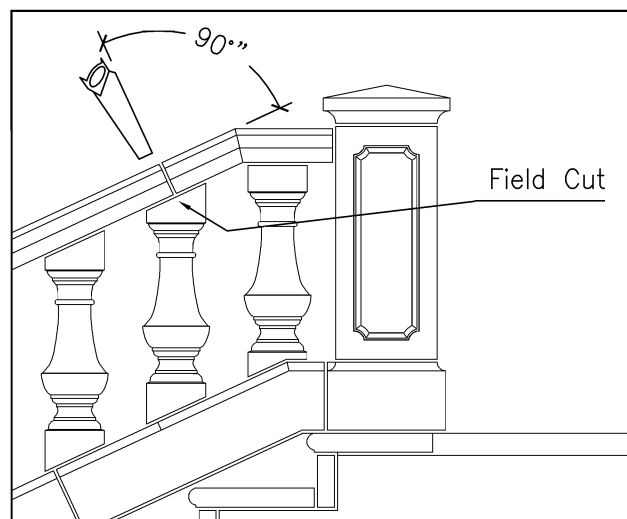Radius   Angle   TANGENT with Rail top   TANGENT with Rail top
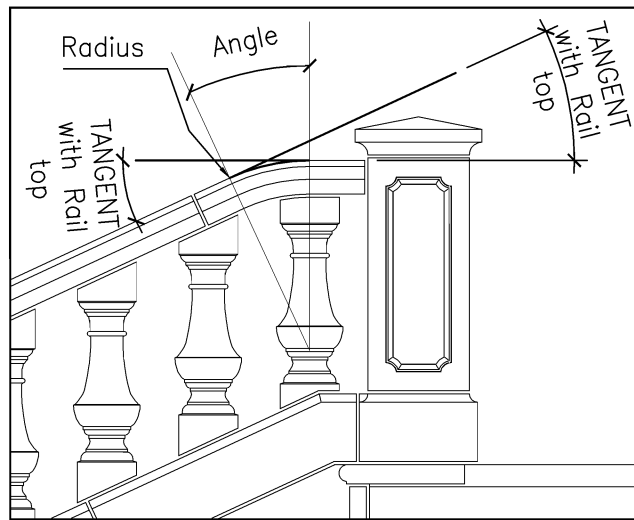
① Easing Over Handrail Tangent Detail

Angle/2   (Angle)
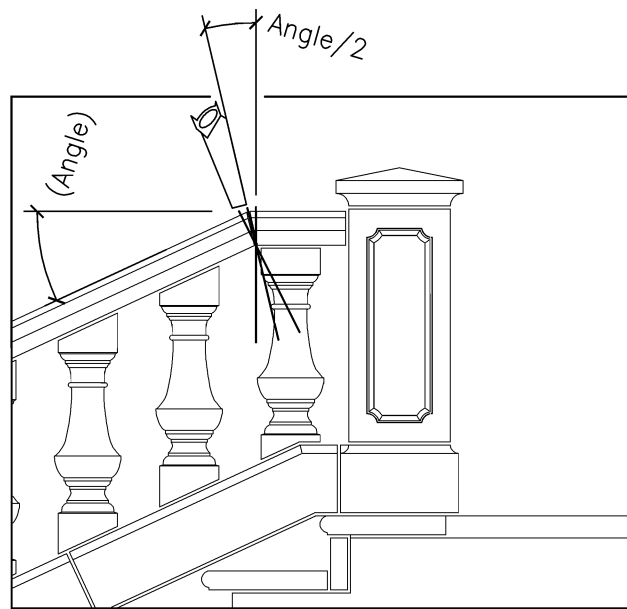
② Mitered Handrail Cutting Detail

Type Drawing
☐ Interface/Attachments
☐ Finishing Details
☐ Flashing
☒ Cutting Details
☐ Building Code
☒ Measuring & Dimensional Drawings
☐ Attached to type structure

90°"   Field Cut

③ Beveled Handrail Cutting Detail

SCALE: NTS.

DEVELOPMENT DRAWING	TITLE: Cutting Details dwg. Top of Step Handrail:
DRAWING DETAIL: **MULTIVIEWS**	
DESCRIPTION: **Steps & Balustrades**	
NOTES:	

DATE:

DRAWING #: **BALFIN** REV:

Design Options dwg. Balustrade Top of Stair Handrail: 1) Miter Cut
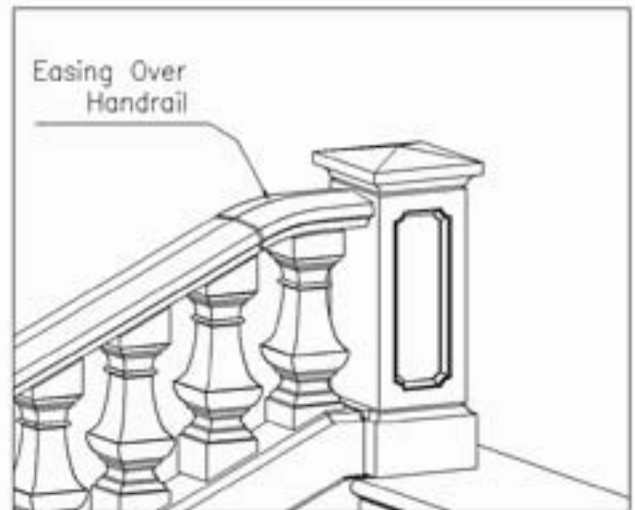## 2) Solid Bevel
3) Easing Over

Miter Cut
In Field

Note Small
Base Stone
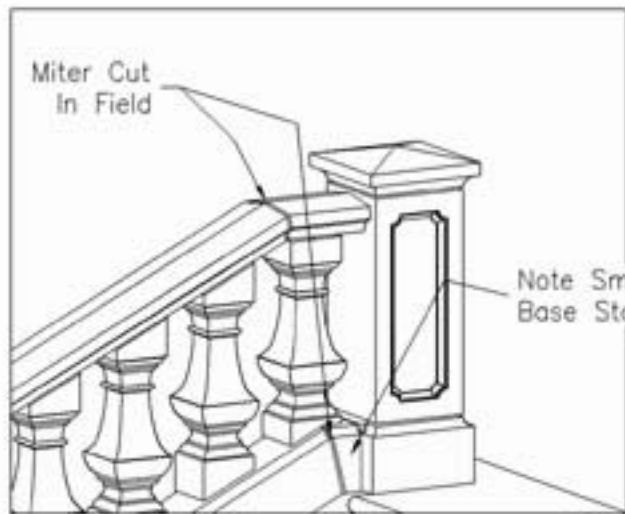
1. Mitered Handrail
Standard Miter Cut

Miter Cut
In Field

Note Improved
appearance
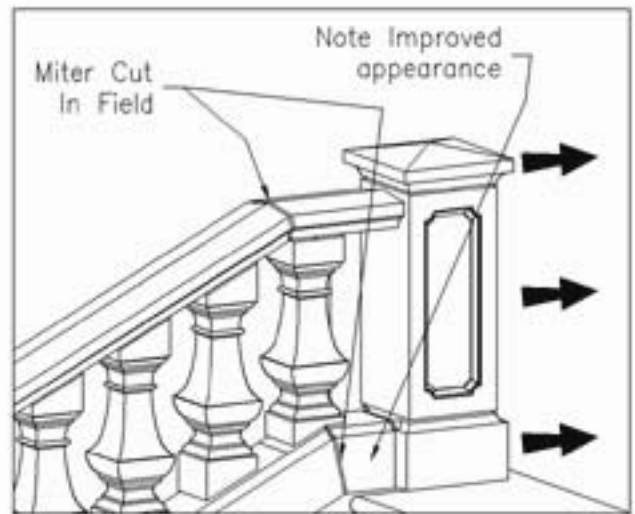
2. Mitered Handrail (Newel Pier Moved)
Newel Pier Moved to improve appearance

One-piece
Beveled
Base &
Handrail
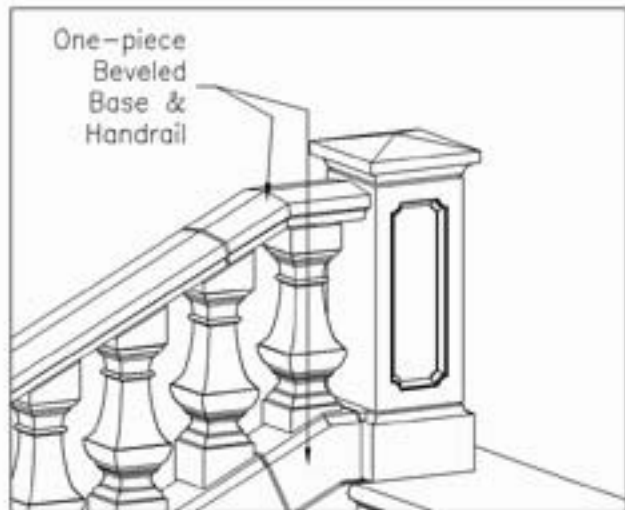
3. Beveled Handrail
Provides a cleaner looking transition
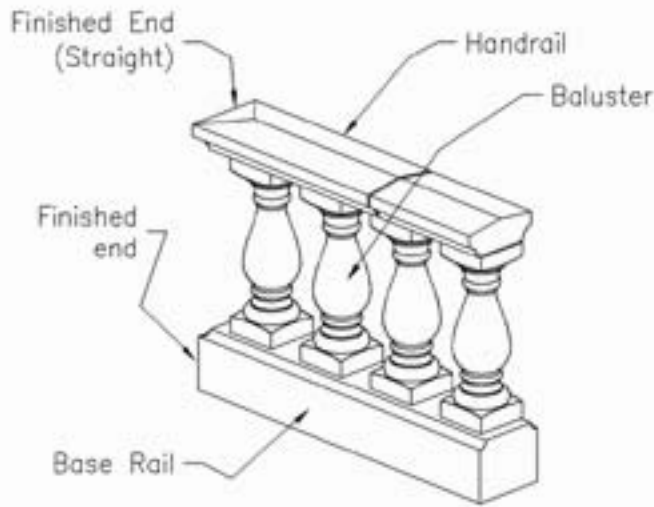
Easing Over
Handrail

4. Easing Over Handrail
Provides an elegant transition

SCALE: NTS.

DEVELOPMENT DRAWING	TITLE: Design Options dwg. Balustrade Top of Stair Handrail
DRAWING DETAIL: **MULTIVIEWS**	
DESCRIPTION: **Balustrades Strair**	
NOTES:	

- ☐ Type Drawing
- ☐ Attachments & Interfaced to: (Type Building)
- ☒ Design Options
- ☐ Flashing Details
- ☐ Cutting & Fitting Details
- ☐ Building Code
- ☐ Measuring

DATE: 06/23/2003

DRAWING #: **BALDO** REV: 1

Design Options dwg. Balustrade Handrail Ends:

Finished End
(Straight)

Handrail

Baluster

Finished
end

Base Rail

(5) Finished End (Straight)

Handrail

Baluster

Newel Pier

Base Rail

(6) End in Newel Pier

Volute (Right)

Handrail

Baluster

Baluster or
Column

Base Rail

(7) Volute End

Finished End
(Radiused)

Handrail

Baluster

Finished End
(Radiused)

Base Rail

(8) Finished End (Radiused)

SCALE: NTS.

DEVELOPMENT DRAWING	TITLE: Design Options dwg. Balustrade Handrail Ends:	
DRAWING DETAIL: MULTIVIEWS		
DESCRIPTION: Balustrades		
NOTES:		

- ☐ Type Drawing
- ☐ Attachments & Interfaced to: (Type Building)
- ☒ Design Options
- ☐ Flashing Details
- ☐ Cutting & Fitting Details
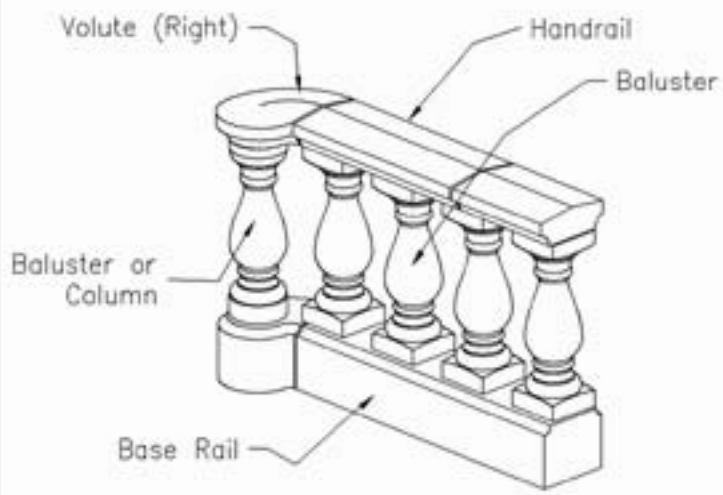- ☐ Building Code
- ☐ Measuring

DATE: 06/23/2003

DRAWING #: BALDO REV: 1

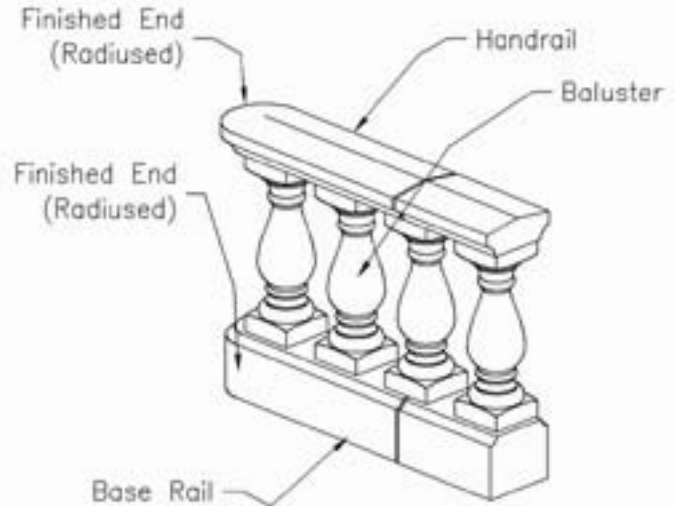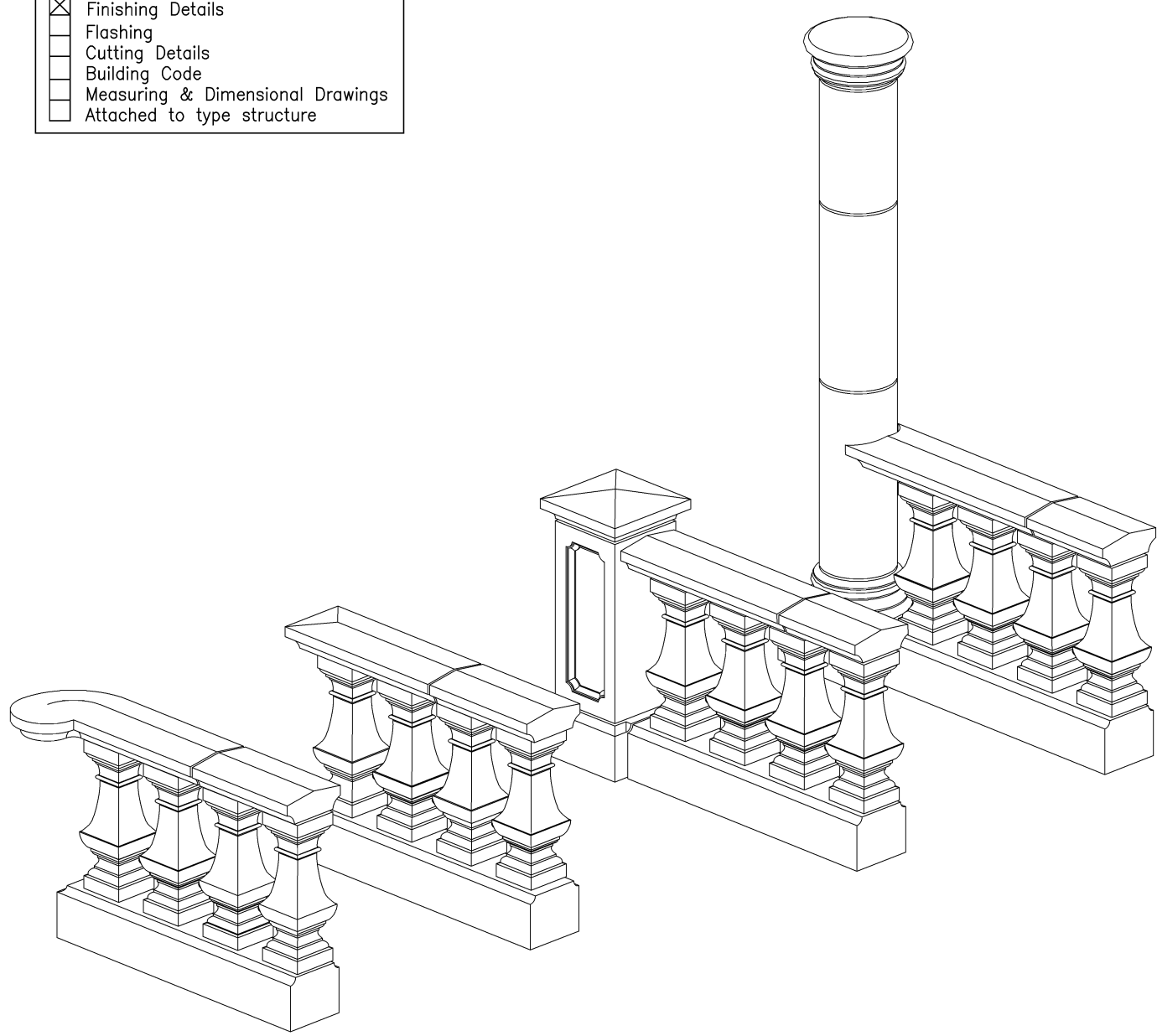## Finishing Details dwg. Balustrade Handrail Ends:
2) Miter Cut Details

Type Drawing
- ☐ Interface/Attachments
- ☒ Finishing Details
- ☐ Flashing
- ☐ Cutting Details
- ☐ Building Code
- ☐ Measuring & Dimensional Drawings
- ☐ Attached to type structure

SCALE: NTS.

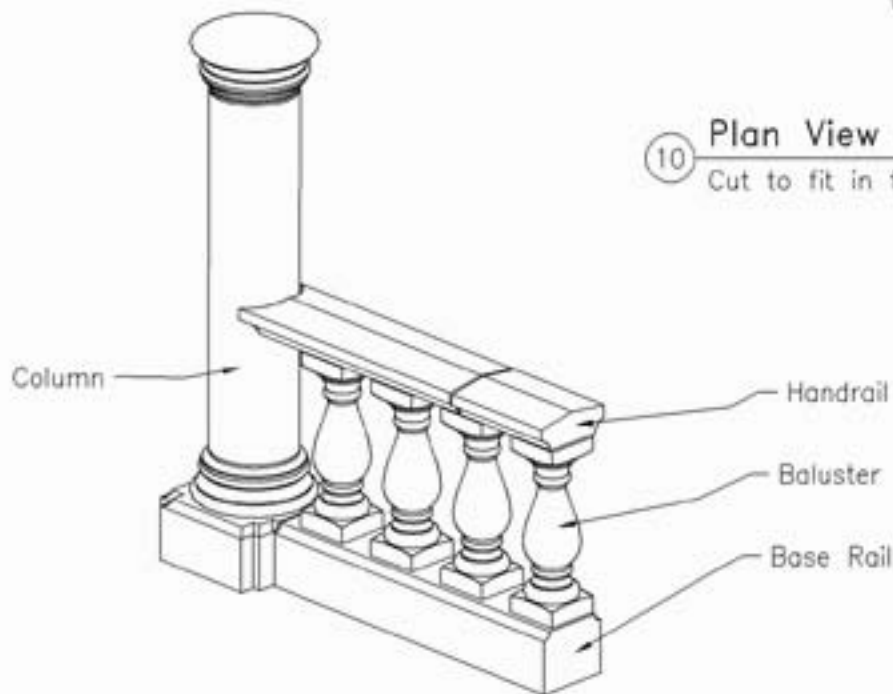|	DEVELOPMENT DRAWING	TITLE: Cutting Details dwg. Top of Step Handrail:	
	DRAWING DETAIL: **MULTIVIEWS**		
	DESCRIPTION: **Steps & Balustrades**		
	NOTES:		
			DATE:
			DRAWING #: **BALFIN** REV:

Design Options dwg. Balustrade Handrail Ends against Columns:

Cut Handrail in
Field as shown

Note: If the Handrail is to
wide in comparison to the
Column Diameter it can
weaken the outside corners
which can result in cracking.

(10) **Plan View of Full Radiused End**
Cut to fit in field

Column

Handrail

Baluster

Base Rail

(9) **Full Radiused end adjacent to Column**
Cut in Field

SCALE: NTS.

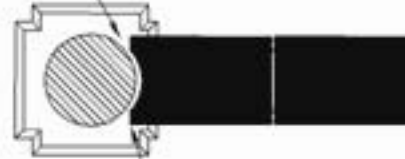| DEVELOPMENT DRAWING	TITLE: Design Options dwg. Balustrade Handrail to Columns:
DRAWING DETAIL: **MULTIVIEWS**	
DESCRIPTION: **Balustrades**	
NOTES:	

Type Drawing
Attachments & Interfaced to: (Type Building)
☒ Design Options
Flashing Details
Cutting & Fitting Details
Building Code
Measuring

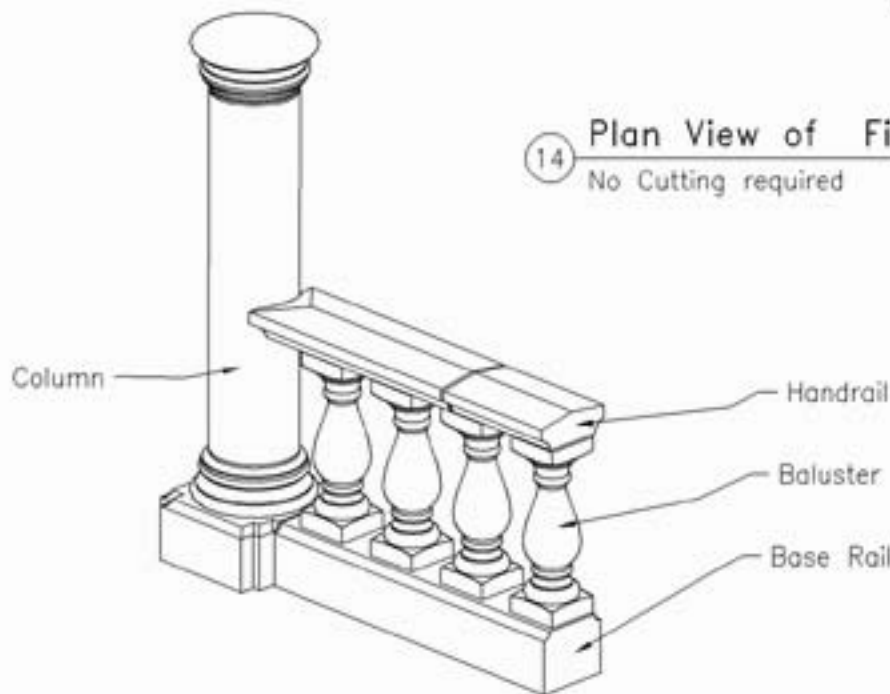DATE: 06/23/2003

DRAWING #: **BALDO** REV: 1

Design Options dwg. Balustrade Handrail Ends against Columns:

Cut Handrail in
Field as shown

Note: This joining configuration
is preferred where the Handrail
is wide in comparison to the
Column.

(14) **Plan View of Finished End (Half Radiused)**
No Cutting required

Column

Handrail

Baluster

Base Rail

(13) **Finished End (Half Radiused) adjacent to Column**
Cut to fit in field

SCALE: NTS.

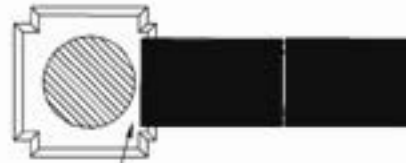| DEVELOPMENT DRAWING	TITLE: Design Options dwg. Balustrade Handrail to Columns:
DRAWING DETAIL: **MULTIVIEWS**	
DESCRIPTION: **Balustrades**	
NOTES:	

Type Drawing
Attachments & Interfaced to: (Type Building)
☒ Design Options
Flashing Details
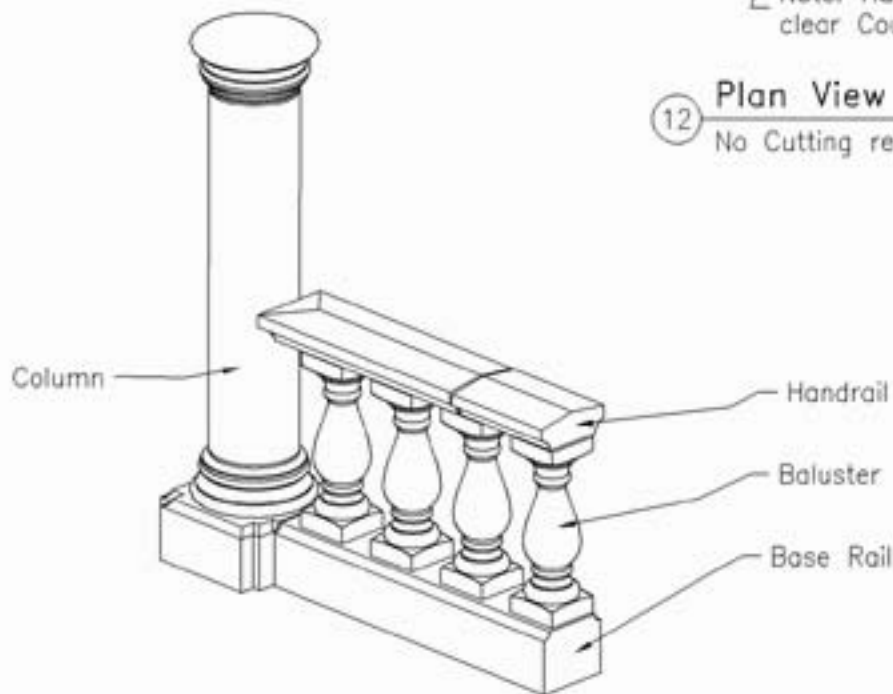Cutting & Fitting Details
Building Code
Measuring

DATE: 06/23/2003

DRAWING #: **BALDO** REV: 1

Design Options dwg. Balustrade Handrail Ends against Columns:

Note: Handrail must clear Coulmn.

Plan View of Handrail Finished End
(12) No Cutting required

Column

Handrail

Baluster

Base Rail

Finished End (Straight) adjacent to Column
(11) No Cutting Required.

SCALE: NTS.

DEVELOPMENT DRAWING	TITLE: Design Options dwg. Balustrade Handrail to Columns;
DRAWING DETAIL: MULTIVIEWS	
DESCRIPTION: Balustrades	
NOTES:	

Type Drawing
Attachments & Interfaced to: (Type Building)
☒ Design Options
Flashing Details
Cutting & Fitting Details
Building Code
Measuring

DATE: 06/23/2003

DRAWING #: BALDO REV: 1