

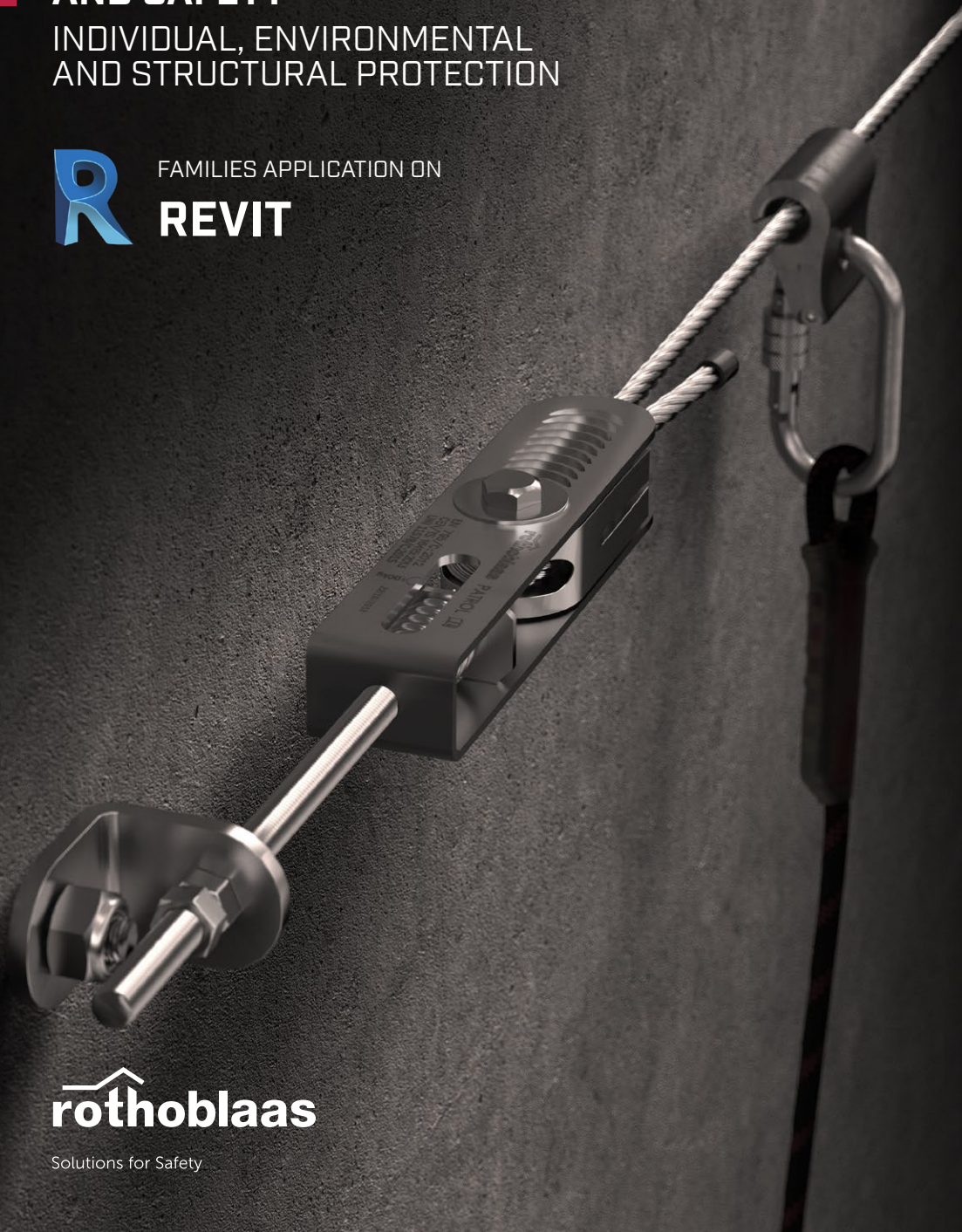
FALL PROTECTION AND SAFETY

INDIVIDUAL, ENVIRONMENTAL
AND STRUCTURAL PROTECTION



FAMILIES APPLICATION ON

REVIT




rothoblaas

Solutions for Safety



ROTHO BLAAS SRL

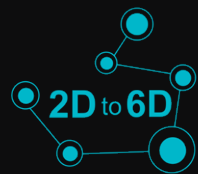
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Family design



2Dto6D | www.2dto6d.com

2D to 6D is a company founded more than ten years ago with the aim of implementing Building Information Modeling in all sectors - from architectural, structural and plant engineering - to accompany and optimize not only the design, but also the construction and management of the works over their useful life.

WITH THE COLLABORATION OF

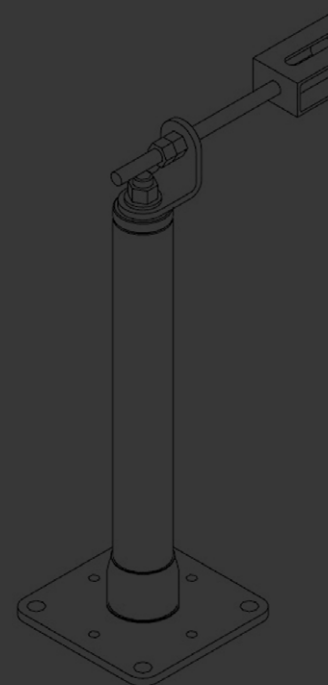


NKE - Negroni Key Engineering | www.nke360.com

LIFE LINE FAMILY

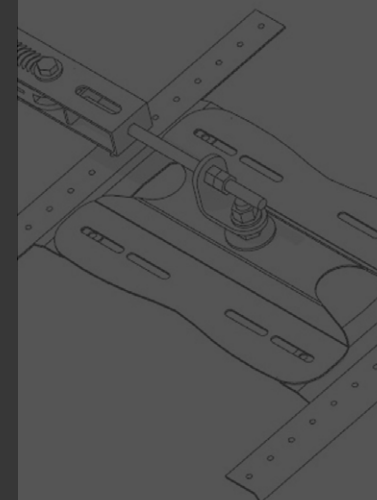
TOWER

page 7



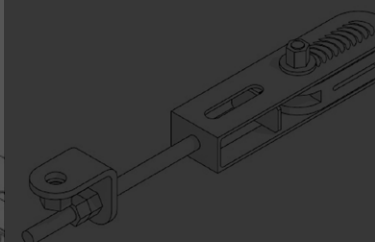
ANCHOR POINTS

page 12



THROUGH AIR

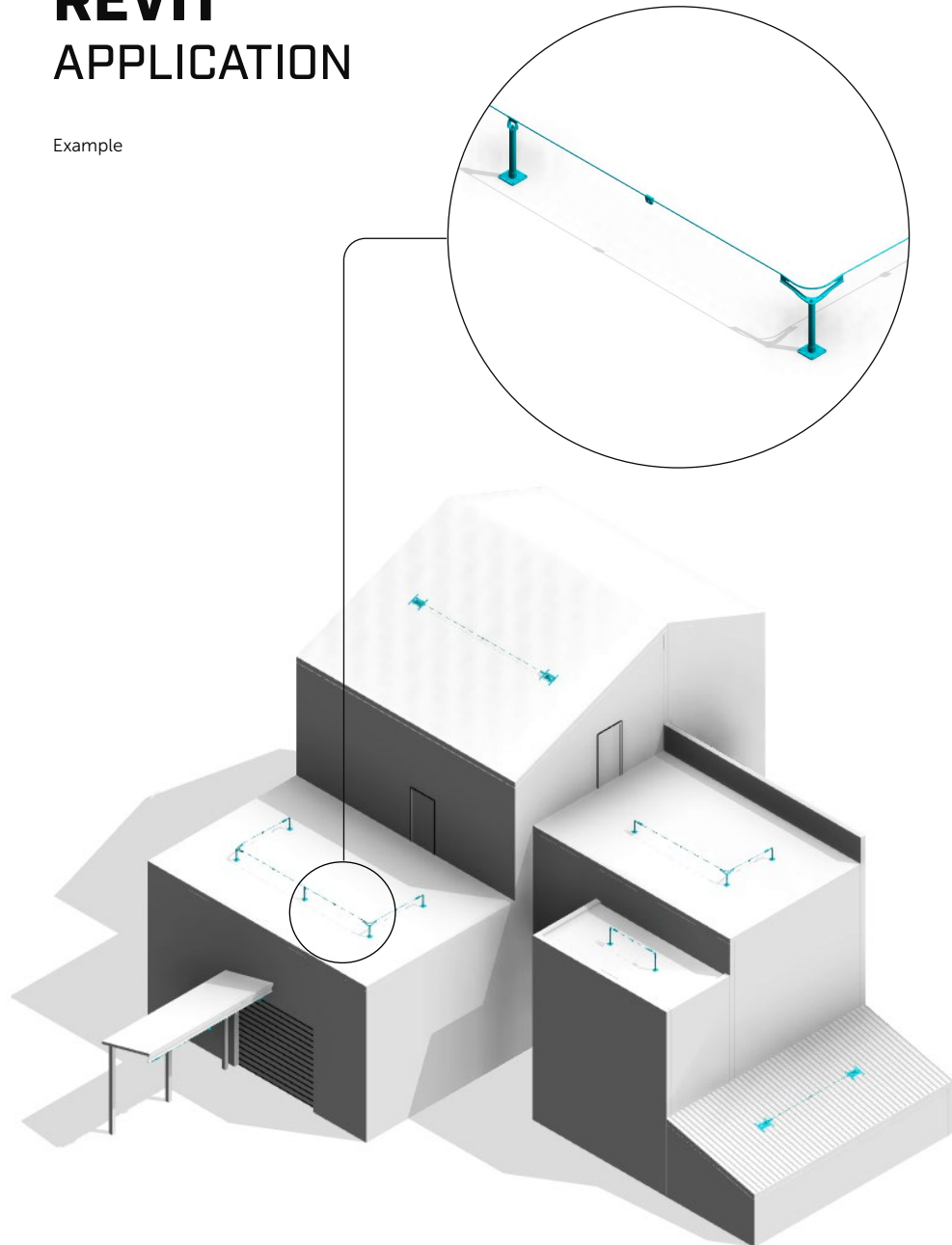
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CONTENTS

REVIT APPLICATION

Example



FAMILIES GENERAL OPTIONS

Properties

Linea Vita Passante Per Tower
STANDARD

Specialty Equipment (1) Edit Type

Constraints

Start_Constraints	4	1
Start	4	
Start Description	TOWER400PASANG	2
Start_Empty	<input checked="" type="checkbox"/>	3
End_Constraints	5	4
End	5	
End Description	TOWER400PASINT	5
End_Empty	<input checked="" type="checkbox"/>	6
Intermediate_Empty	<input checked="" type="checkbox"/>	7
Length_EffectiveWh...	2871.0	8
Length_Cable	2840.9	
Length	2880.0	
Work Plane	Level : Level 2	
Offset from Host	0.0	

Construction

Electrical - Loads

Dimensions

Start_Terminal_Rota...	0.00°	9
Start_Support_Rotati...	0.00°	10
End_Terminal_Rotati...	0.00°	11
End_Support_Rotati...	0.00°	12
X1_Cable	10.0	
X2_Cable	2537.0	

Identity Data

Phasing

General

Other

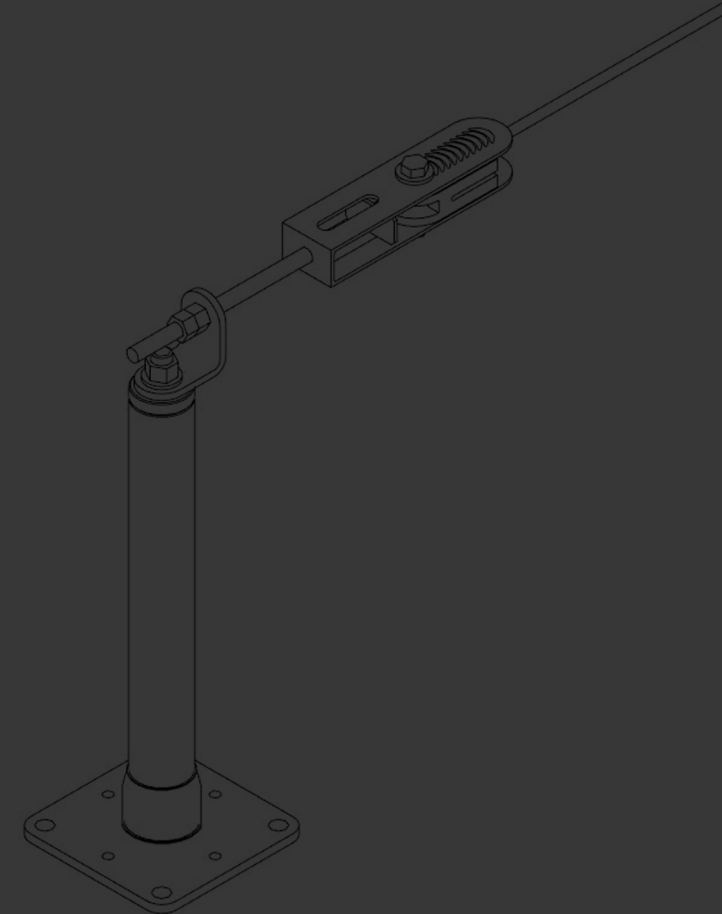
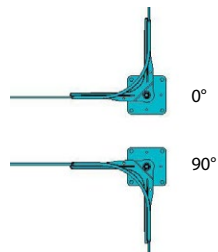
[Properties help](#)

Each family has predefined options that must be set before its tracing:

1. choose start type (every family has a default number of combination type)
2. start type name
3. choose if start type is visible
4. choose end type (every family has a default number of combination type)
5. end type name
6. choose if end type is visible
7. choose if intermediate type is visible
8. effective wheelbase length
10. to rotate the starting support
12. to rotate the ending support

In case the terminal is Pasang:

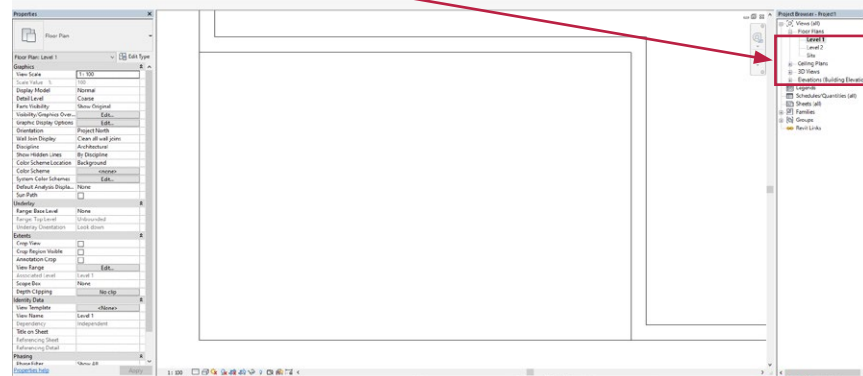
9. to rotate the starting terminal element (set the value to 90°)
11. to rotate the ending terminal element (set the value to 90°)



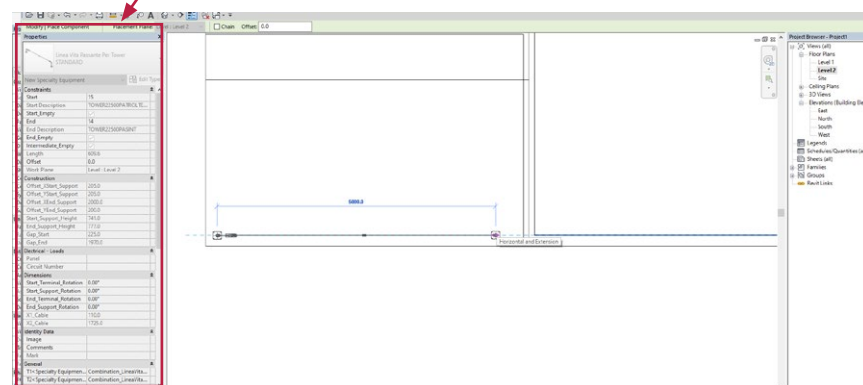
LIFE LINE FAMILY BASED ON TOWER

0. Import families in Revit project (valid for all families)

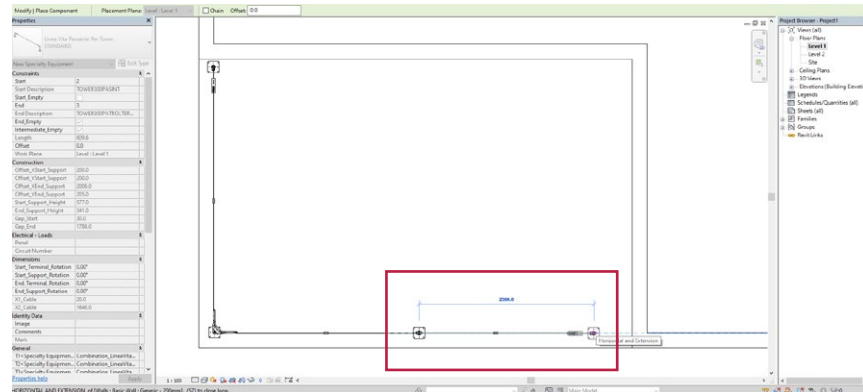
1. choose the correct view (among the Floor plans)



2. set family general options (if you need a different height from the level set the offset)

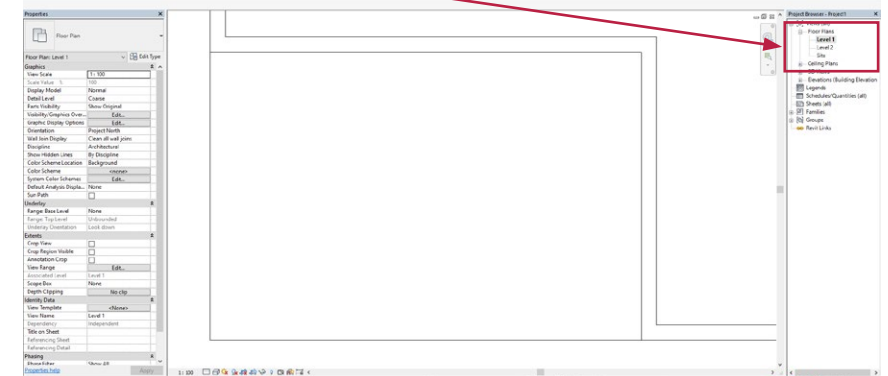


3. trace the family choosing a starting point and an ending point (choose "Place on Work Plane")



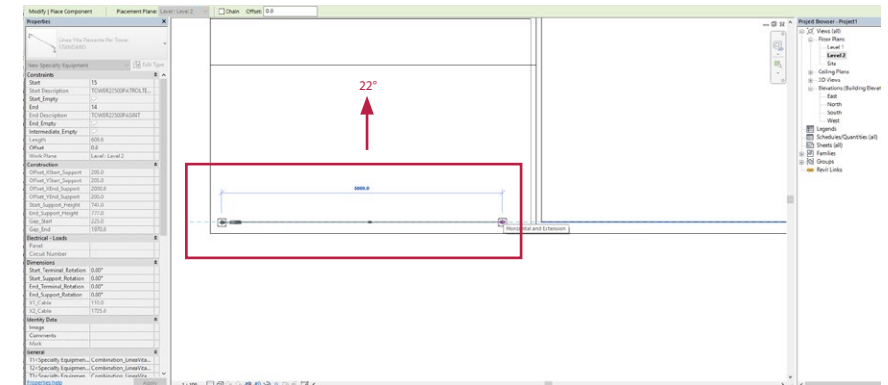
if you choose TOWER22500:

1. choose the correct view (among the Floor plans)

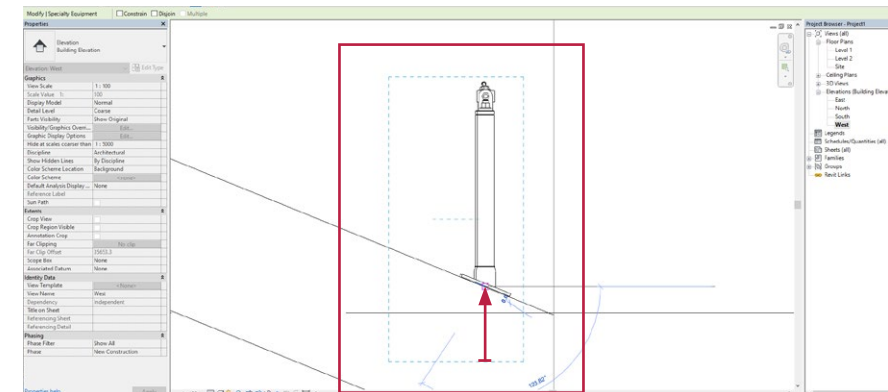


2. set family general options

3. trace the family choosing a starting point and an ending point (choose "Place on Work Plane")

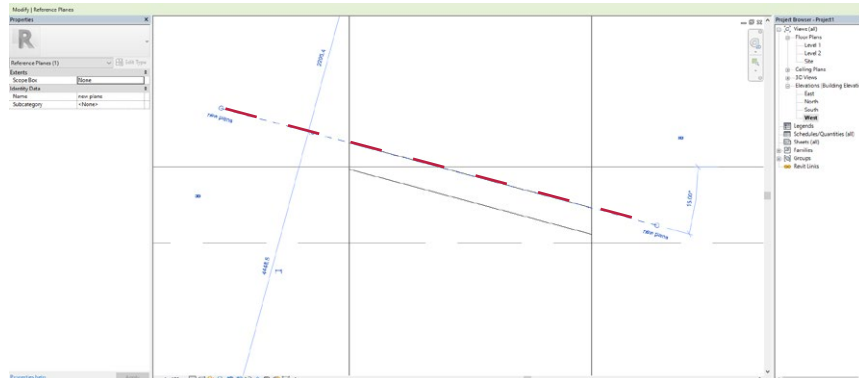


4. move the component at the correct height



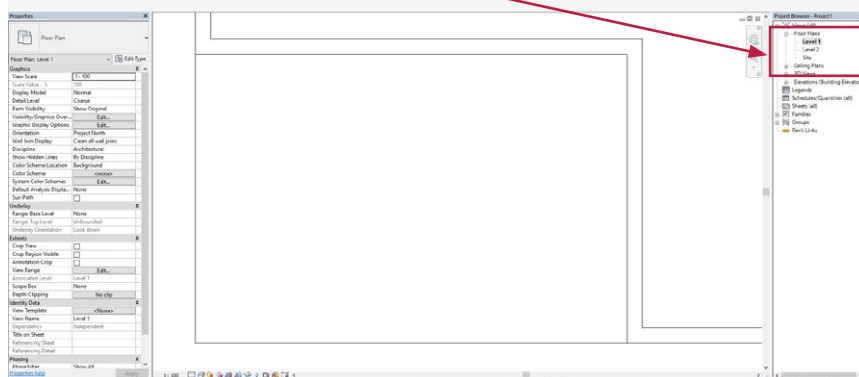
if you trace the family on an inclined plane (15° max):

1. create a new reference plane in the right inclination

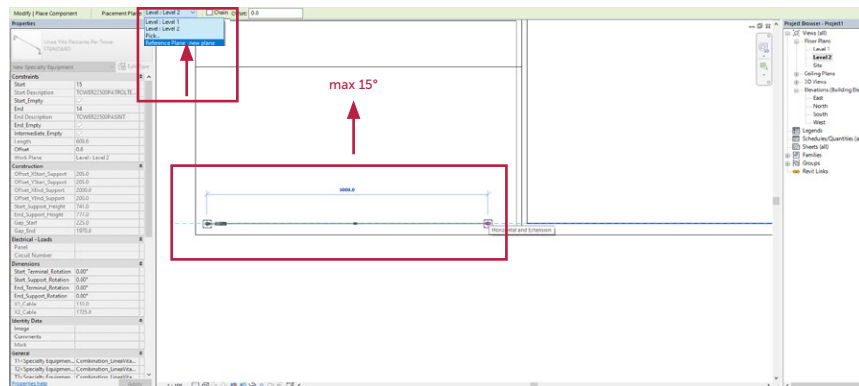


2. choose the correct view (among the Floor plans)

3. set family general options

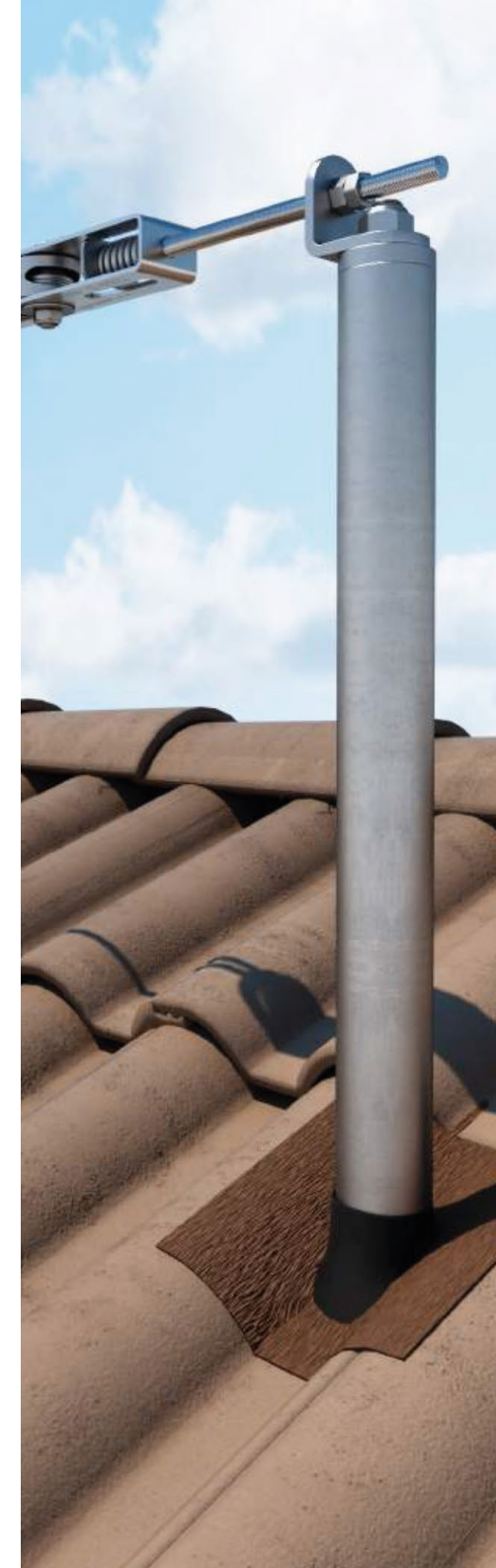


4. trace the family choosing a starting point and an ending point (choose "Place on Work Plane" and choose the new plane)



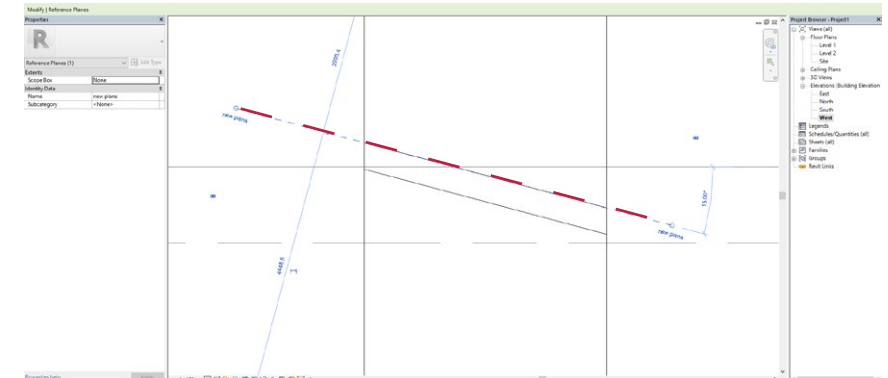
TYPE NAME (number association)

1. TOWER300_PASANG
2. TOWER300_PASINT
3. TOWER300_PATROLTERM_SPEAR
4. TOWER400_PASANG
5. TOWER400_PASINT
6. TOWER400_PATROLTERM_SPEAR
7. TOWER500_PASANG
8. TOWER500_PASINT
9. TOWER500_PATROLTERM_SPEAR
10. TOWER600_PASANG
11. TOWER600_PASINT
12. TOWER600_PATROLTERM_SPEAR
13. TOWER22500_PASANG
14. TOWER22500_PASINT
15. TOWER22500_PATROLTERM_SPEAR
16. TOWERA2300_PASANG
17. TOWERA2300_PASINT
18. TOWERA2300_PATROLTERM_SPEAR
19. TOWERA2400_PASANG
20. TOWERA2400_PASINT
21. TOWERA2400_PATROLTERM_SPEAR
22. TOWERA2500_PASANG
23. TOWERA2500_PASINT
24. TOWERA2500_PATROLTERM_SPEAR

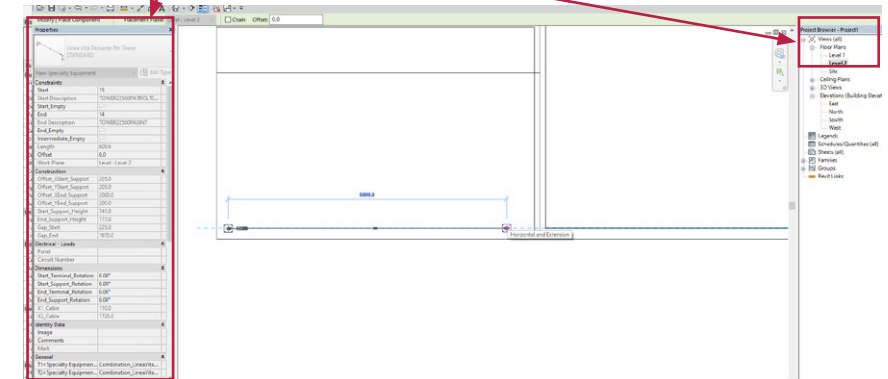


LIFE LINE FAMILY BASED ON ANCHOR POINTS

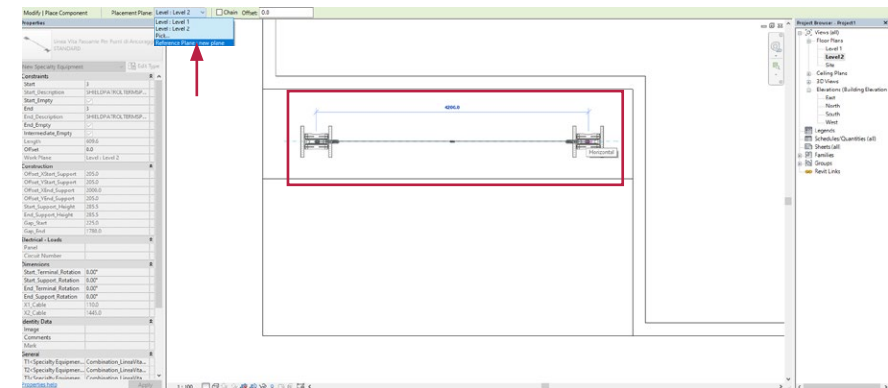
1. create a new reference plane in the right inclination



2. choose the correct view (among the Floor plans)
3. set family general options

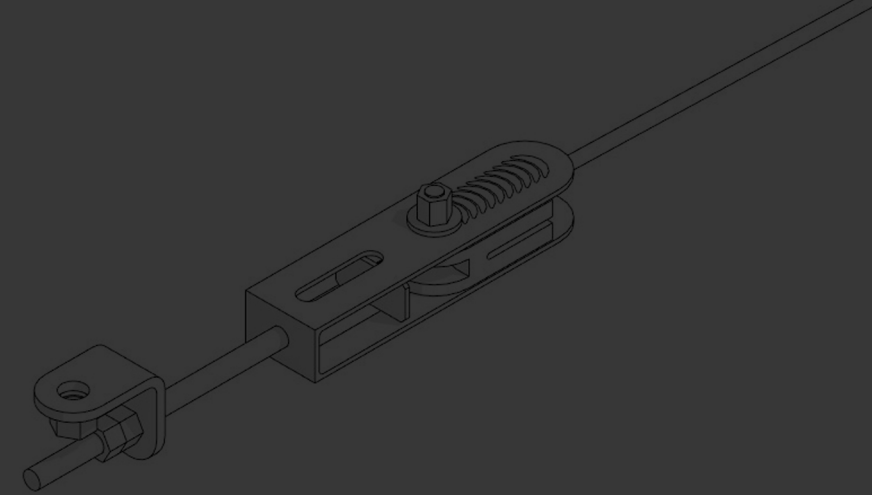
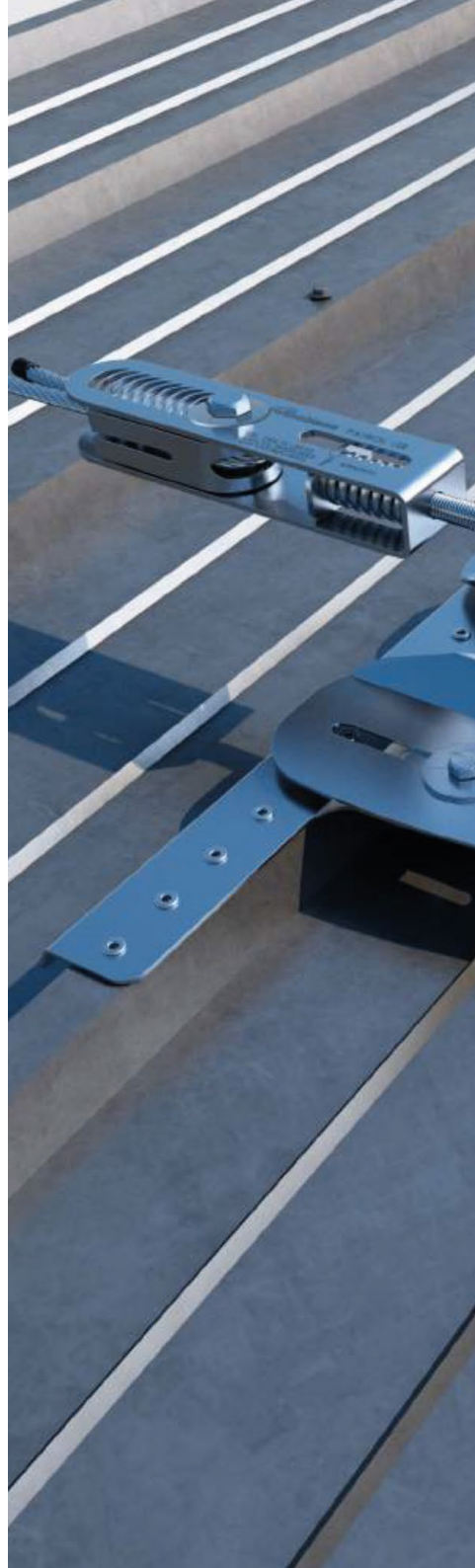


4. trace the family choosing a starting point and an ending point (choose "Place on Work Plane" and choose the new plane)



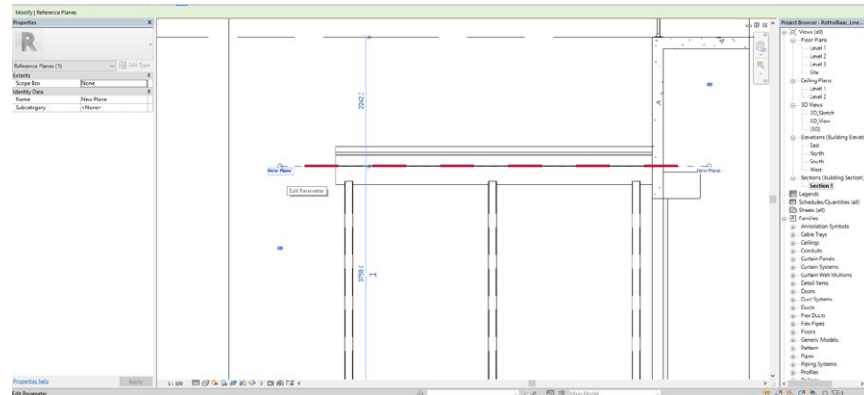
TYPE NAME (number association)

1. SHIELD_PASANG
2. SHIELD_PASINT
3. SHIELD_PATROTERM_SPEAR
4. SHIELD2_PASINT



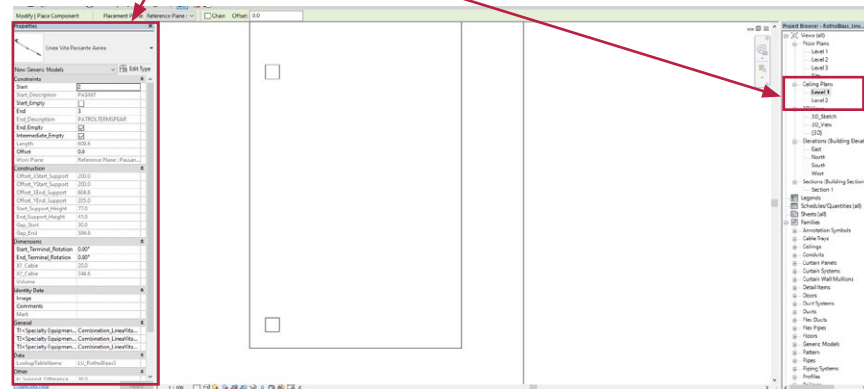
LIFE LINE FAMILY
THROUGH AIR

1. create a new reference plane at the correct height

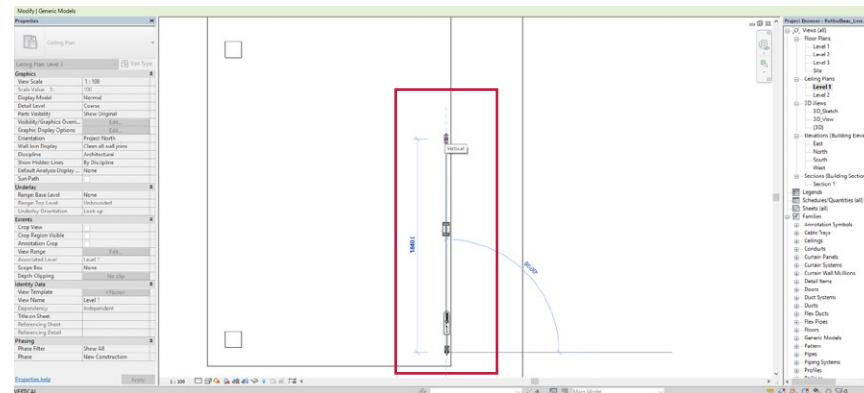


2. choose the correct view (among the Ceiling plans) and set the view range (if necessary)

3. set family general options

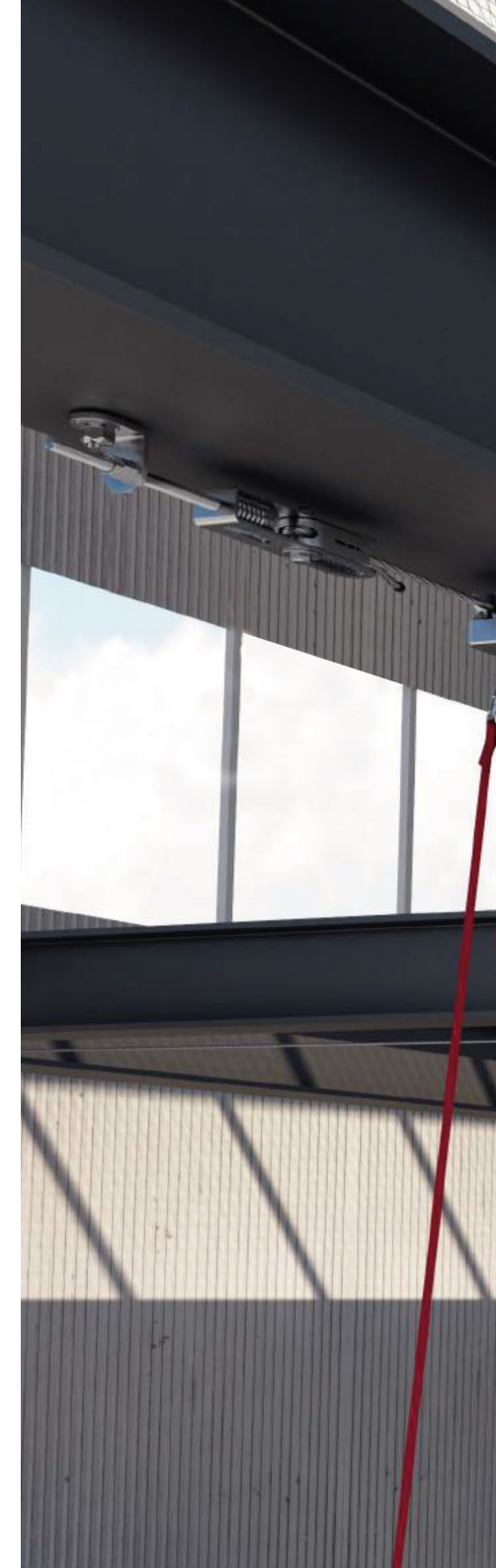


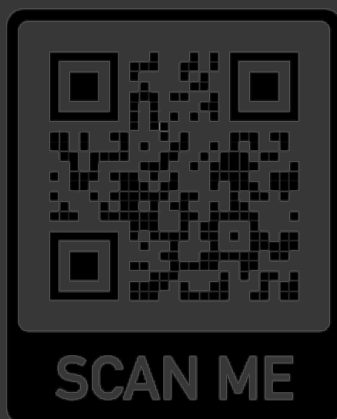
4. trace the family choosing a starting point and an ending point (choose "Place on Work Plane" and choose the new plane



TYPE NAME (number association)

1. PASANG
2. PASINT
3. PATROTERM_SPEAR





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