

LAVORO:

D.M. 49/2018 - INTERVENTO DI MANUTENZIONE STRAORDINARIA DEL PONTE MASIERA SUL FIUME SENIO AL KM 5+274 DELLA S.P. 9 MASIERA CUP J33D18000100001

Progetto Definitivo - Esecutivo

COMMESSA: **J21001**

COMMITTENTE:

Provincia di Ravenna
Settore lavori pubblici, manutenzione
e gestione rete stradale
Piazza dei Caduti per la libertà, 2
Ravenna

Dirigente e RUP: Ing. Paolo Nobile

TITOLO:

Tabulati di calcolo

PROGETTISTA:

Ing. Michelangelo Micheloni

COLLABORATORI PER LA PROGETTAZIONE:

Arch. Anna Livia Ciuffreda

Dott. Mattia Faiulo

COLLABORATORE PER ELABORATI ECONOMICI:

Arch. Leonardo Donatelli

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1		
0	EMISSIONE	1 agosto 2022
REV	DESCRIZIONE	DATA
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1. Tabulati software SAP2000

Si riportano di seguito i tabulati di calcolo del modello agli elementi finiti elaborato con il software SAP 2000 in licenza allo Studio Micheloni Srl.

SAP2000 v.24 file

File D:\SAP\PonteMasiera

File D:\SAP\Masiera_Masiera_A_04.\$2k was saved on m/d/yy at h:mm:ss

TABLE: "ACTIVE DEGREES OF FREEDOM"

UX=Yes UY=Yes UZ=Yes RX=Yes RY=Yes RZ=Yes

TABLE: "ANALYSIS OPTIONS"

Solver=Advanced SolverProc=Auto Force32Bit=No StiffCase=None GeomMod=None HingeOpt="In Elements" NumAThreads=0 MaxFileSize=0 NumDThreads=0 NumRThreads=0
UseMMFiles="Program Determined" AllowDiff=No

TABLE: "AREA SECTION PROPERTIES"

Section="Generico - 1 m" Material="Default - Calcestruzzo" MatAngle=0 AreaType=Shell Type=Shell-Thick DrillDOF=Yes Thickness=1 BendThick=1 Color=Gray8Dark F11Mod=1 F22Mod=1
F12Mod=1 M11Mod=1 M22Mod=1 M12Mod=1 _
V13Mod=1 V23Mod=1 MMod=1 WMod=1
Section="Generico - 100 mm" Material="Default - Calcestruzzo" MatAngle=0 AreaType=Shell Type=Shell-Thick DrillDOF=Yes Thickness=0.1 BendThick=0.1 Color=Magenta F11Mod=1 F22Mod=1
F12Mod=1 M11Mod=1 M22Mod=1 _
M12Mod=1 V13Mod=1 V23Mod=1 MMod=1 WMod=1
Section="Generico - 350 mm" Material="Default - Calcestruzzo" MatAngle=0 AreaType=Shell Type=Shell-Thick DrillDOF=Yes Thickness=0.35 BendThick=0.35 Color=Yellow F11Mod=1 F22Mod=1
F12Mod=1 M11Mod=1 M22Mod=1 _
M12Mod=1 V13Mod=1 V23Mod=1 MMod=1 WMod=1
Section="solaio 40 cm" Material="Calcestruzzo, gettato in opera" MatAngle=0 AreaType=Shell Type=Shell-Thick DrillDOF=Yes Thickness=0.4 BendThick=0.4 Color=Green F11Mod=1 F22Mod=1
F12Mod=1 M11Mod=1 M22Mod=1 _
M12Mod=1 V13Mod=1 V23Mod=1 MMod=1 WMod=1

TABLE: "AREA SECTION PROPERTY DESIGN PARAMETERS"

Section="Generico - 1 m" RebarMat=None RebarOpt=Default
Section="Generico - 100 mm" RebarMat=None RebarOpt=Default
Section="Generico - 350 mm" RebarMat=None RebarOpt=Default
Section="solaio 40 cm" RebarMat=None RebarOpt=Default

TABLE: "AREA SECTION PROPERTY - TIME DEPENDENT"

Section="Generico - 1 m" TypeSize=Auto AutoSFSize=1
Section="Generico - 100 mm" TypeSize=Auto AutoSFSize=1
Section="Generico - 350 mm" TypeSize=Auto AutoSFSize=1
Section="solaio 40 cm" TypeSize=Auto AutoSFSize=1

TABLE: "AUTO WAVE 3 - WAVE CHARACTERISTICS - GENERAL"

WaveChar=Default WaveType="From Theory" KinFactor=1 SWaterDepth=45 WaveHeight=18 WavePeriod=12 WaveTheory=Linear

TABLE: "CASE - MODAL 1 - GENERAL"

Case=MODAL ModeType=Eigen MaxNumModes=12 MinNumModes=1 EigenShift=0 EigenCutoff=0 EigenTol=1E-09 AutoShift=Yes

TABLE: "CASE - MULTISTEP STATIC 1 - LOAD ASSIGNMENTS"

Case=TRAFFICO_LC1 LoadType="Load pattern" LoadName=TRAFFICO_LC1 LoadSF=1
Case=TRAFFICO_LC2 LoadType="Load pattern" LoadName=TRAFFICO_LC2 LoadSF=1

TABLE: "CASE - STATIC 1 - LOAD ASSIGNMENTS"

Case=PROPRIO LoadType="Load pattern" LoadName=PROPRIO LoadSF=1
Case=PORTATO LoadType="Load pattern" LoadName=PORTATO LoadSF=1
Case=TRAFFICO_DIST1 LoadType="Load pattern" LoadName=TRAFFICO_DIST1 LoadSF=1
Case=TRAFFICO_DIST2 LoadType="Load pattern" LoadName=TRAFFICO_DIST2 LoadSF=1
Case=FOLLA LoadType="Load pattern" LoadName=FOLLA LoadSF=1

TABLE: "COMBINATION DEFINITIONS"

ComboName=SLU_1 ComboType="Linear Add" AutoDesign=No CaseName=PROPRIO ScaleFactor=1.35 SteelDesign=None ConcDesign=None AlumDesign=None ColdDesign=None
GUID=b4ea7f86-74ea-4416-8b4b-6905d07cd6b6
ComboName=SLU_1 CaseName=PORTATO ScaleFactor=1.5
ComboName=SLU_1 CaseName=TRAFFICO_DIST1 ScaleFactor=1.35
ComboName=SLU_1 CaseName=TRAFFICO_LC1 ScaleFactor=1.35
ComboName=SLU_2 ComboType="Linear Add" AutoDesign=No CaseName=PROPRIO ScaleFactor=1.35 SteelDesign=None ConcDesign=None AlumDesign=None ColdDesign=None
GUID=b4ea7f86-74ea-4416-8b4b-6905d07cd6b6

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ComboName=SLU_2 CaseName=PORTATO ScaleFactor=1.5
ComboName=SLU_2 CaseName=TRAFFICO_DIST2 ScaleFactor=1.35
ComboName=SLU_2 CaseName=TRAFFICO_LC2 ScaleFactor=1.35
ComboName=SLU_3 ComboType="Linear Add" AutoDesign=No CaseName=PROPRIO ScaleFactor=1.35 SteelDesign=None ConcDesign=None AlumDesign=None ColdDesign=None
GUID=b4ea7f86-74ea-4416-8b4b-6905d07cd6b6
ComboName=SLU_3 CaseName=PORTATO ScaleFactor=1.5
ComboName=SLU_3 CaseName=FOLLA ScaleFactor=1.35
ComboName=COMBO ComboType=Envelope AutoDesign=No CaseName=SLU_1 ScaleFactor=1 SteelDesign=None ConcDesign=None AlumDesign=None ColdDesign=None GUID=81df4007-fd81-4302-9dee-a382680a4096
ComboName=COMBO CaseName=SLU_2 ScaleFactor=1
ComboName=COMBO CaseName=SLU_3 ScaleFactor=1
ComboName=SLE_PERMANENTI ComboType="Linear Add" AutoDesign=No CaseName=PROPRIO ScaleFactor=1 SteelDesign=None ConcDesign=None AlumDesign=None ColdDesign=None
GUID=e4a7e97c-62f8-4082-a3ce-a27107859153
ComboName=SLE_PERMANENTI CaseName=PORTATO ScaleFactor=1
ComboName=SLE_1 ComboType="Linear Add" AutoDesign=No CaseName=PROPRIO ScaleFactor=1 SteelDesign=None ConcDesign=None AlumDesign=None ColdDesign=None GUID=b4ea7f86-74ea-4416-8b4b-6905d07cd6b6
ComboName=SLE_1 CaseName=PORTATO ScaleFactor=1
ComboName=SLE_1 CaseName=TRAFFICO_DIST1 ScaleFactor=1
ComboName=SLE_1 CaseName=TRAFFICO_LC1 ScaleFactor=1
ComboName=SLE_2 ComboType="Linear Add" AutoDesign=No CaseName=PROPRIO ScaleFactor=1 SteelDesign=None ConcDesign=None AlumDesign=None ColdDesign=None GUID=b4ea7f86-74ea-4416-8b4b-6905d07cd6b6
ComboName=SLE_2 CaseName=PORTATO ScaleFactor=1
ComboName=SLE_2 CaseName=TRAFFICO_DIST2 ScaleFactor=1
ComboName=SLE_2 CaseName=TRAFFICO_LC2 ScaleFactor=1
ComboName=SLE_3 ComboType="Linear Add" AutoDesign=No CaseName=PROPRIO ScaleFactor=1 SteelDesign=None ConcDesign=None AlumDesign=None ColdDesign=None GUID=b4ea7f86-74ea-4416-8b4b-6905d07cd6b6
ComboName=SLE_3 CaseName=PORTATO ScaleFactor=1
ComboName=SLE_3 CaseName=FOLLA ScaleFactor=1
ComboName=SLE ComboType=Envelope AutoDesign=No CaseName=SLE_1 ScaleFactor=1 SteelDesign=None ConcDesign=None AlumDesign=None ColdDesign=None GUID=e4a7e97c-62f8-4082-a3ce-a27107859153
ComboName=SLE CaseName=SLE_2 ScaleFactor=1
ComboName=SLE CaseName=SLE_3 ScaleFactor=1

TABLE: "CONNECTIVITY - FRAME"

Frame=1 JointI=76 JointJ=140 IsCurved=No GUID=69ca9f4c-af8d-4b4a-a0dc-495340199719
Frame=2 JointI=140 JointJ=135 IsCurved=No GUID=c520338b-86e5-46d5-9c6a-b44f3758d0a7
Frame=7 JointI=68 JointJ=102 IsCurved=No GUID=12ba26ca-f6d0-4078-8a8f-8d897c193825
Frame=16 JointI=141 JointJ=142 IsCurved=No GUID=bae7fd53-fc64-456d-8517-4e4176cb3808
Frame=17 JointI=142 JointJ=143 IsCurved=No GUID=82a75adc-acd2-4491-938f-e066ebae6001
Frame=18 JointI=143 JointJ=144 IsCurved=No GUID=3f71ce88-05cf-4b7f-b4df-d9bfa951cecl
Frame=19 JointI=144 JointJ=145 IsCurved=No GUID=e1b8f8e0-23b7-4b7c-a7fb-4dbd364404e2
Frame=36 JointI=146 JointJ=147 IsCurved=No GUID=0f2a85b3-e984-45a1-bf41-3279c133be5f
Frame=37 JointI=147 JointJ=148 IsCurved=No GUID=0c5f8eee-2143-49ac-8230-00c0a57e7102
Frame=38 JointI=148 JointJ=149 IsCurved=No GUID=35b72692-47df-47dc-964f-64adae7a983f
Frame=40 JointI=149 JointJ=150 IsCurved=No GUID=b18967ae-d118-42c6-b85f-e623e4793be0
Frame=404633 JointI=65 JointJ=66 IsCurved=No GUID=22cc6cc4-649a-4b73-ae34-4ca3d5f94f4a
Frame=405447 JointI=146 JointJ=68 IsCurved=No GUID=22cc6cc4-649a-4b73-ae34-4ca3d5f94c14
Frame=405856 JointI=141 JointJ=70 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e5ee
Frame=406270 JointI=147 JointJ=72 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e670
Frame=406272 JointI=142 JointJ=74 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e78e
Frame=406352 JointI=75 JointJ=76 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e7de
Frame=406354 JointI=148 JointJ=78 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e7dc
Frame=406356 JointI=143 JointJ=80 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e7da
Frame=406384 JointI=81 JointJ=82 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e7fe
Frame=406386 JointI=149 JointJ=84 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e7fc
Frame=406388 JointI=144 JointJ=86 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e7fa
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Frame=406468 JointI=145 JointJ=92 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e74a
Frame=407031 JointI=93 JointJ=94 IsCurved=No GUID=d2a59a1a-7704-4bce-a977-daea5440e179
Frame=408237 JointI=70 JointJ=74 IsCurved=No GUID=82af2bb0-41d2-40fb-afef-44aa11c01027
Frame=408417 JointI=95 JointJ=96 IsCurved=No GUID=82af2bb0-41d2-40fb-afef-44aa11c011eb
Frame=408634 JointI=68 JointJ=72 IsCurved=No GUID=82af2bb0-41d2-40fb-afef-44aa11c016b0
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Frame=408871 JointI=66 JointJ=99 IsCurved=No GUID=82af2bb0-41d2-40fb-afef-44aa11c017ad
Frame=409028 JointI=100 JointJ=101 IsCurved=No GUID=82af2bb0-41d2-40fb-afef-44aa11c0174e
Frame=409220 JointI=102 JointJ=103 IsCurved=No GUID=82af2bb0-41d2-40fb-afef-44aa11c0140e
Frame=409370 JointI=104 JointJ=105 IsCurved=No GUID=82af2bb0-41d2-40fb-afef-44aa11c01590
Frame=410473 JointI=106 JointJ=107 IsCurved=No GUID=dd07b137-d957-40d9-9d0b-234cbf6b0c6c
Frame=410529 JointI=65 JointJ=108 IsCurved=No GUID=dd07b137-d957-40d9-9d0b-234cbf6b0ca4
Frame=427002 JointI=108 JointJ=99 IsCurved=No GUID=97a5ab1b-d727-4ebc-b9b8-ecbf2b5efc02
Frame=478321 JointI=93 JointJ=106 IsCurved=No GUID=cb64534f-8779-4931-9e90-6e2b6200a779
Frame=478428 JointI=100 JointJ=93 IsCurved=No GUID=cb64534f-8779-4931-9e90-6e2b6200a7d4
Frame=478484 JointI=70 JointJ=100 IsCurved=No GUID=cb64534f-8779-4931-9e90-6e2b6200a61c

Sede legale: Via A. Gramsci, 20 – Lastra a Signa (FI) – e-mail amministrazione@micheloni.pro

Sede operativa: Via dei Servi, 12 – Firenze – e-mail info@micheloni.pro

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Frame=479131	JointI=94	JointJ=113	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cca36f
Frame=479262	JointI=113	JointJ=114	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccbcea
Frame=479332	JointI=114	JointJ=115	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccbc90
Frame=479651	JointI=101	JointJ=116	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccbd57
Frame=479757	JointI=116	JointJ=117	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccbef9
Frame=479905	JointI=117	JointJ=118	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccbe55
Frame=480014	JointI=74	JointJ=80	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccbffa
Frame=480157	JointI=80	JointJ=86	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccb6f9
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Frame=480504	JointI=107	JointJ=119	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccb80c
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Frame=481580	JointI=114	JointJ=120	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccb5d8
Frame=481631	JointI=117	JointJ=114	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccb5ab
Frame=481717	JointI=86	JointJ=117	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccb541
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Frame=483221	JointI=72	JointJ=103	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccb361
Frame=483325	JointI=103	JointJ=96	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9ccb309
Frame=483405	JointI=96	JointJ=142	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc8cb9
Frame=483521	JointI=126	JointJ=143	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc8c35
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Frame=484059	JointI=128	JointJ=129	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc8e2f
Frame=484172	JointI=129	JointJ=144	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc8fb8
Frame=484294	JointI=130	JointJ=145	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc8f32
Frame=484413	JointI=131	JointJ=130	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc88c9
Frame=484455	JointI=90	JointJ=131	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc8893
Frame=485333	JointI=97	JointJ=146	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc8b21
Frame=485404	JointI=104	JointJ=97	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc84e8
Frame=485469	JointI=66	JointJ=104	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc84a9
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Frame=485625	JointI=105	JointJ=98	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc840d
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Frame=485854	JointI=135	JointJ=148	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc852a
Frame=485943	JointI=136	JointJ=149	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc86c3
Frame=486024	JointI=137	JointJ=138	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc867c
Frame=486088	JointI=137	JointJ=136	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc863c
Frame=486331	JointI=82	JointJ=137	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc874f
Frame=486451	JointI=88	JointJ=138	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc80c7
Frame=486529	JointI=138	JointJ=139	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc8075
Frame=486679	JointI=139	JointJ=150	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc81e3
Frame=487004	JointI=135	JointJ=136	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc82a8
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Frame=487228	JointI=140	JointJ=137	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc83c8
Frame=487423	JointI=82	JointJ=88	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc830b
Frame=487475	JointI=76	JointJ=82	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc9cc7
Frame=487540	JointI=99	JointJ=82	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc9c80
Frame=487837	JointI=108	JointJ=75	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc9d69
Frame=487947	JointI=75	JointJ=81	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc9eff
Frame=488048	JointI=81	JointJ=87	IsCurved=No	GUID=1a45ff1f-7ae9-4f3c-96d4-f982c9cc9e84
Frame=495874	JointI=96	JointJ=126	IsCurved=No	GUID=a5694898-bee9-4f24-86fa-e42246626d20
Frame=495903	JointI=126	JointJ=129	IsCurved=No	GUID=a5694898-bee9-4f24-86fa-e42246626d3d
Frame=496097	JointI=129	JointJ=130	IsCurved=No	GUID=a5694898-bee9-4f24-86fa-e42246626dc3
Frame=496156	JointI=128	JointJ=131	IsCurved=No	GUID=a5694898-bee9-4f24-86fa-e42246626e3e
Frame=496235	JointI=127	JointJ=128	IsCurved=No	GUID=a5694898-bee9-4f24-86fa-e42246626e49
Frame=496286	JointI=103	JointJ=127	IsCurved=No	GUID=a5694898-bee9-4f24-86fa-e42246626ebc
Frame=496340	JointI=72	JointJ=78	IsCurved=No	GUID=a5694898-bee9-4f24-86fa-e42246626ef6
Frame=502656	JointI=136	JointJ=139	IsCurved=No	GUID=f9da406c-8f62-4efa-b249-2ae1056e71db

TABLE: "COORDINATE SYSTEMS"

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Name=GLOBAL Type=Cartesian X=0 Y=0 Z=0 AboutZ=0 AboutY=0 AboutX=0

TABLE: "DATABASE DOCUMENTATION"

TABLE: "DATABASE FORMAT TYPES"

UnitsCurr=Yes OverrideE=No

TABLE: "FRAME AUTO MESH ASSIGNMENTS"

Frame=1	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=2	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=7	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=16	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=17	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=18	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=19	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=36	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=37	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=38	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=40	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=404633	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=405447	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=405856	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406270	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406272	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406352	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406354	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406356	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406384	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406386	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406388	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406464	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406466	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=406468	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=407031	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=408237	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=408417	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=408634	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=408723	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=408871	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=409028	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=409220	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=409370	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=410473	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=410529	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=427002	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=478321	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=478428	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=478484	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=479131	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=479262	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=479332	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=479651	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=479757	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=479905	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=480014	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=480157	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=480208	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=480504	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=480558	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=480820	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481188	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481254	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
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Frame=481390	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481490	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481545	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481580	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481631	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481717	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481794	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481857	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=481935	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=482853	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=482940	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0

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Frame=483221	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=483325	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=483405	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=483521	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=483604	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=483687	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=483757	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=483893	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=483993	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=484059	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=484172	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=484294	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=484413	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=484455	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=485333	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=485404	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
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Frame=485574	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=485625	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=485657	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=485854	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=485943	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=486024	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=486088	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=486331	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=486451	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=486529	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=486679	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=487004	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=487026	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=487178	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=487228	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=487423	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=487475	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=487540	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=487837	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=487947	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=488048	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=495874	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=495903	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=496097	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=496156	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=496235	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=496286	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=496340	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0
Frame=502656	AutoMesh=Yes	AtJoints=Yes	AtFrames=No	NumSegments=0	MaxLength=0	MaxDegrees=0

TABLE: "FRAME DESIGN PROCEDURES"

Frame=1	DesignProc="From Material"
Frame=2	DesignProc="From Material"
Frame=7	DesignProc="From Material"
Frame=16	DesignProc="From Material"
Frame=17	DesignProc="From Material"
Frame=18	DesignProc="From Material"
Frame=19	DesignProc="From Material"
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Frame=404633	DesignProc="From Material"
Frame=405447	DesignProc="From Material"
Frame=405856	DesignProc="From Material"
Frame=406270	DesignProc="From Material"
Frame=406272	DesignProc="From Material"
Frame=406352	DesignProc="From Material"
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Frame=406464	DesignProc="From Material"
Frame=406466	DesignProc="From Material"
Frame=406468	DesignProc="From Material"
Frame=407031	DesignProc="From Material"

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Frame=408237 DesignProc="From Material"
Frame=408417 DesignProc="From Material"
Frame=408634 DesignProc="From Material"
Frame=408723 DesignProc="From Material"
Frame=408871 DesignProc="From Material"
Frame=409028 DesignProc="From Material"
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Frame=487540 DesignProc="From Material"
Frame=487837 DesignProc="From Material"
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Frame=502656 DesignProc="From Material"

TABLE: "FRAME LOADS - DISTRIBUTED"

Frame=404633 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.98773870848891 FOverLA=10.8 FOverLB=10.8 GUID=3e495bcd-2de8-41c7-8626-06b45d73cc66

Frame=404633 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.98773870848891 FOverLA=3 FOverLB=3 GUID=10908e36-7220-4de0-aa0a-310495ea7ca0

Frame=404633 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.98773870848891 FOverLA=11.1 FOverLB=11.1 GUID=b2076de9-4069-41b4-80b1-98ddfe9c0a92

Frame=404633 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.98773870848891 FOverLA=1.5 FOverLB=1.5 GUID=56a0ac99-c340-42bb-8932-646c2b9a0a4a

Frame=405447 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09782309182812 FOverLA=10.8 FOverLB=10.8 GUID=b70e8d42-dcfc-4bc4-8c7f-40fa540dcb13

Frame=405447 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09782309182812 FOverLA=3 FOverLB=3 GUID=e953f231-8971-44a5-ae00-2f1d406baae3

Frame=405447 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09782309182812 FOverLA=11.1 FOverLB=11.1 GUID=06f9d55d-12e9-419e-a5b7-2d9d268ed4ba

Frame=405447 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09782309182812 FOverLA=1.5 FOverLB=1.5 GUID=6edaaee3-d2cb-4f33-aa79-6412c2925850

Frame=405856 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09628697182265 FOverLA=10.8 FOverLB=10.8 GUID=3eced510-defe-4fdb-be7e-6ddb8fd45652

Frame=405856 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09628697182265 FOverLA=3 FOverLB=3 GUID=0a3b2702-90d5-49ca-bd51-fc5848f1f4dc

Frame=405856 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09628697182265 FOverLA=11.1 FOverLB=11.1 GUID=df1cfde1-19d0-4aaa-91dc-dc19638c344c

Frame=406270 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09628697182265 FOverLA=1.5 FOverLB=1.5 GUID=079a4014-0d85-4088-bac0-2e256c733db8

Frame=406270 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09316661022618 FOverLA=15.3 FOverLB=15.3 GUID=d3687f51-c091-48bc-99ba-1d6ee9912141

Frame=406270 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09316661022618 FOverLA=4.25 FOverLB=4.25 GUID=80c3fe02-707e-4d4c-b6f2-f33a226613d2

Frame=406270 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09316661022618 FOverLA=15.73 FOverLB=15.73 GUID=209092e3-943f-4108-9cd1-f2468a93096e

Frame=406270 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09316661022618 FOverLA=2.6 FOverLB=2.6 GUID=70cf6eb3-18b3-435f-ad5a-151d02dc4463

Frame=406272 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09630832447487 FOverLA=15.3 FOverLB=15.3 GUID=65c2eec4-9e03-44cd-a744-bbbfd565f54d

Frame=406272 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09630832447487 FOverLA=4.25 FOverLB=4.25 GUID=f9bd6f93-67a7-4596-889d-3fc79ed1b8c5

Frame=406272 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09630832447487 FOverLA=15.73 FOverLB=15.73 GUID=a79dae73-525a-4a7c-891b-130d3f60f6f2

Frame=406272 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09630832447487 FOverLA=2.6 FOverLB=2.6 GUID=a36c7a03-2935-4120-a238-c7ad716a118e

Frame=406352 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.96458939762904 FOverLA=4.25 FOverLB=4.25 GUID=af12eba3-fa79-4c35-88e0-3e7f2f1e9ffa

Frame=406352 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.96458939762904 FOverLA=15.3 FOverLB=15.3 GUID=e029c71c-e5b8-4e10-8fff-7159a4d1b0ab

Frame=406352 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.96458939762904 FOverLA=15.73 FOverLB=15.73 GUID=d24b8157-19f7-401b-8137-e8014d29b0ff

Frame=406352 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.96458939762904 FOverLA=2.6 FOverLB=2.6 GUID=4472fbd5-1de8-45c7-bc96-6a510202e905

Frame=406354 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.0930138414576 FOverLA=4.25 FOverLB=4.25 GUID=914800a3-c88c-42ee-85e3-91c5997f21f4

Frame=406354 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.0930138414576 FOverLA=15.3 FOverLB=15.3 GUID=55725a5b-650c-4213-817a-ecb678d11675

Frame=406354 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.0930138414576 FOverLA=15.73 FOverLB=15.73 GUID=c399d922-ecbc-4626-8381-5de37ee3b1ed

Frame=406354 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.0930138414576 FOverLA=2.6 FOverLB=2.6 GUID=05efb5c9-087e-4d4a-81ba-0c4baf5dcc48

Frame=406356 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09655354392291 FOverLA=4.25 FOverLB=4.25 GUID=0fa6812f-3c96-4c47-a83f-5c607c80adda

Frame=406356 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09655354392291 FOverLA=15.3 FOverLB=15.3 GUID=bee4cb7f-5565-482f-9ddb-11c7ef14cec5

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Frame=406356 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09655354392291 FOverLA=15.73
FOverLB=15.73 GUID=70dcb46f-8882-4e1f-8610-3a643cd65dfa

Frame=406356 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09655354392291 FOverLA=2.6 FOverLB=2.6
GUID=22294e41-de7d-4db1-a82c-a98276bebbe0

Frame=406384 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.95285031758153 FOverLA=4.25
FOverLB=4.25 GUID=8ac5bbaf-b7f2-44b0-a342-2a6190480f1c

Frame=406384 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.95285031758153 FOverLA=15.3
FOverLB=15.3 GUID=b8a7f829-405f-41d9-ba87-331fa5434d81

Frame=406384 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.95285031758153 FOverLA=15.73
FOverLB=15.73 GUID=bf646de3-7ce1-42da-b45e-3f79ced29e56

Frame=406384 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.95285031758153 FOverLA=2.6 FOverLB=2.6
GUID=cb3338cf-4711-46fc-ab41-cb97d8eff82a

Frame=406386 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09304946258721 FOverLA=4.25
FOverLB=4.25 GUID=8a7d82cb-cb7f-49e8-8895-d923586c0193

Frame=406386 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09304946258721 FOverLA=15.3
FOverLB=15.3 GUID=215f78f6-32df-417a-952f-8358309f3142

Frame=406386 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09304946258721 FOverLA=15.73
FOverLB=15.73 GUID=8e7433fb-d123-461a-ad68-4832dc68b049

Frame=406386 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09304946258721 FOverLA=2.6 FOverLB=2.6
GUID=2bc8649c-4334-41c8-87dc-b269abc0a4f2

Frame=406388 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09644904383272 FOverLA=4.25
FOverLB=4.25 GUID=e71122f0-ca89-42af-a574-dd7cdf235382

Frame=406388 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09644904383272 FOverLA=15.3
FOverLB=15.3 GUID=90c0257a-c9ea-4acc-838d-8bb182ae9aaf

Frame=406388 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09644904383272 FOverLA=15.73
FOverLB=15.73 GUID=86be1d53-f479-47a4-abb5-f03c2fcac83

Frame=406388 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09644904383272 FOverLA=2.6 FOverLB=2.6
GUID=9216901b-ce3b-4c24-9f4e-a5c18b6456a5

Frame=406464 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94067831713917 FOverLA=3.75
FOverLB=3.75 GUID=5ac01ace-4518-4b26-8889-9c661fdaff63

Frame=406464 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94067831713917 FOverLA=7.5 FOverLB=7.5
GUID=7e49defa-23a9-48d4-b9c2-eacc250c8b05

Frame=406464 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94067831713917 FOverLA=3.75
FOverLB=3.75 GUID=4d035e77-56ed-43d2-aa24-69311b1bd94e

Frame=406464 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94067831713917 FOverLA=19.1
FOverLB=19.1 GUID=32ca6e10-25c4-461c-b92e-bda1a470bbfb

Frame=406464 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94067831713917 FOverLA=2.3 FOverLB=2.3
GUID=b9473d88-fb3f-44b7-a432-25d816e2937c

Frame=406466 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=3.75
FOverLB=3.75 GUID=4ebcd44f-ea17-435a-b919-d0352bd11f89

Frame=406466 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=7.5 FOverLB=7.5
GUID=c6a1161c-06fe-4cdf-80fa-c5690cdeb7f8

Frame=406466 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=3.75
FOverLB=3.75 GUID=c6a9b98c-24a4-4bb7-b2a5-b3564f3df4cf

Frame=406466 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=19.1
FOverLB=19.1 GUID=ccb57da1-1334-4c91-ac1c-106f1835d197

Frame=406466 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=2.3 FOverLB=2.3
GUID=dc37fe98-eee6-4c70-9bca-b93d58f22ea6

Frame=406468 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=3.75
FOverLB=3.75 GUID=4090e99a-7617-458c-93f6-b1aa9a0976dc

Frame=406468 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=7.5 FOverLB=7.5
GUID=f8703816-7133-4ad5-af53-b3ee8eabbfa2

Frame=406468 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=3.75
FOverLB=3.75 GUID=91593963-8d0b-4e6a-b09c-83a2429dc394

Frame=406468 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=19.1
FOverLB=19.1 GUID=7dfd5e06-5883-4c2b-abc4-f2e0ee50fad6

Frame=406468 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=2.3 FOverLB=2.3
GUID=368ecf49-689a-4d98-9e2a-e2f2423d6ae7

Frame=427002 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.97624889017399 FOverLA=15.3
FOverLB=15.3 GUID=f7a1e21c-4711-44a1-8323-188efaa8306c

Frame=427002 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.97624889017399 FOverLA=4.25
FOverLB=4.25 GUID=4e9443a6-276a-4a88-bd7d-e7cc3c893178

Frame=427002 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.97624889017399 FOverLA=15.73
FOverLB=15.73 GUID=412f782b-4074-43a9-a8a5-17df5260b628

Frame=427002 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.97624889017399 FOverLA=2.6 FOverLB=2.6
GUID=27269a63-5957-4f80-8aea-d042de3e132b

Frame=478321 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94994929267957 FOverLA=10.8
FOverLB=10.8 GUID=cc4fc770-e5a4-4844-ae23-c7d051c1e59f

Frame=478321 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94994929267957 FOverLA=3
FOverLB=3 GUID=1c0c8315-462e-4a4d-bfd7-aebe174ae99a

Frame=478321 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94994929267957 FOverLA=11.1
FOverLB=11.1 GUID=a2b030e9-c14c-48a5-93f0-f1a06343ef6a

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Frame=478321 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94994929267957 FOverLA=1.5 FOverLB=1.5
GUID=74356d28-9b4f-4797-974c-daa45ef38f0e

Frame=478428 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90582164608542 FOverLA=10.8
FOverLB=10.8 GUID=ab7541f3-a4fe-45b9-a2cc-645d3e176a6d

Frame=478428 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90582164608542 FOverLA=3
FOverLB=3 GUID=dc74b08f-ec3b-418d-b208-177135210375

Frame=478428 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90582164608542 FOverLA=11.1
FOverLB=11.1 GUID=94aa3cc4-77b9-4fdd-96ee-ab53127cd078

Frame=478428 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90582164608542 FOverLA=1.5 FOverLB=1.5
GUID=d7053439-24ea-416c-8df2-6070a56fae36

Frame=478484 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91978793518901 FOverLA=10.8
FOverLB=10.8 GUID=8f8f6466-fbe4-47a8-bfc7-a576fc7ba08c

Frame=478484 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91978793518901 FOverLA=3
FOverLB=3 GUID=0d4afa1e-7790-422e-9b51-ad613ae81b10

Frame=478484 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91978793518901 FOverLA=11.1
FOverLB=11.1 GUID=af6ffa44-f21b-404d-9386-c0033297b3c8

Frame=478484 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91978793518901 FOverLA=1.5 FOverLB=1.5
GUID=9411a984-5654-4e2d-b7b9-9e1942b37326

Frame=481188 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94410003025811 FOverLA=15.3
FOverLB=15.3 GUID=ce9a3f6b-cb79-4aab-9051-642a238f6678

Frame=481188 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94410003025811 FOverLA=4.25
FOverLB=4.25 GUID=5171c683-3d1c-437d-909c-78d68dd7679f

Frame=481188 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94410003025811 FOverLA=15.73
FOverLB=15.73 GUID=c75faf24-23d5-48ce-9169-fce05c56ec2d

Frame=481188 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.94410003025811 FOverLA=2.6 FOverLB=2.6
GUID=fa0ac70c-bdb6-4a2d-8a48-bc12b1b21bf2

Frame=481254 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90284583870464 FOverLA=15.3
FOverLB=15.3 GUID=0b45a45d-9772-41aa-8ee0-42000572ee3b

Frame=481254 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90284583870464 FOverLA=4.25
FOverLB=4.25 GUID=e49b641d-6022-4d02-ab3a-a80a7ba01c4b

Frame=481254 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90284583870464 FOverLA=15.73
FOverLB=15.73 GUID=dc4c96d2-d3b2-4233-9716-2c52d08f379d

Frame=481254 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90284583870464 FOverLA=2.6 FOverLB=2.6
GUID=b3afb0cc-0d26-4885-8e77-7fae2ebc42f

Frame=481341 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92341412626495 FOverLA=15.3
FOverLB=15.3 GUID=ddbcbad18-8a96-4d0c-a2b4-0423e578aac4

Frame=481341 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92341412626495 FOverLA=4.25
FOverLB=4.25 GUID=17144655-46d4-4e35-bdd2-08cc6245474a

Frame=481341 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92341412626495 FOverLA=15.73
FOverLB=15.73 GUID=fbd00f1-6174-4b20-878d-04b677b7ecbe

Frame=481341 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92341412626495 FOverLA=2.6 FOverLB=2.6
GUID=5deadc3-a7ef-40c0-b97b-d3126a59763a

Frame=481390 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90976662212943 FOverLA=4.25
FOverLB=4.25 GUID=813f10c4-6723-4fa0-a59b-76a112b2eaae

Frame=481390 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90976662212943 FOverLA=15.3
FOverLB=15.3 GUID=98b6c845-3494-43d8-b305-63f505717285

Frame=481390 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90976662212943 FOverLA=15.73
FOverLB=15.73 GUID=30dfe356-1e6a-4a51-b874-1e7db71d7104

Frame=481390 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90976662212943 FOverLA=2.6 FOverLB=2.6
GUID=d10f33c8-d436-4cdc-a826-199b472f6fb3

Frame=481490 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91587202421781 FOverLA=4.25
FOverLB=4.25 GUID=caadfae7-cdff-427b-887a-b62585712162

Frame=481490 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91587202421781 FOverLA=15.3
FOverLB=15.3 GUID=cf3609ad-61ef-42ea-ac26-2414908c265d

Frame=481490 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91587202421781 FOverLA=15.73
FOverLB=15.73 GUID=2cb4270d-3fef-465e-84bc-9ed04e0766d6

Frame=481490 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91587202421781 FOverLA=2.6 FOverLB=2.6
GUID=01752f3b-2c67-4c2b-aa30-e5c4573495ac

Frame=481545 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93983802128039 FOverLA=4.25
FOverLB=4.25 GUID=ee5c5124-b9cf-4219-8f17-d6a9f326f15b

Frame=481545 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93983802128039 FOverLA=15.3
FOverLB=15.3 GUID=8f3362c2-69b1-432d-a064-28a226a65e7e

Frame=481545 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93983802128039 FOverLA=15.73
FOverLB=15.73 GUID=367f5cb8-445d-4ea9-a25d-82306b4f1b29

Frame=481545 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93983802128039 FOverLA=2.6 FOverLB=2.6
GUID=1a2a41f9-52bd-460e-8312-fb82c63dca6d

Frame=481580 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93486862320472 FOverLA=4.25
FOverLB=4.25 GUID=be9c944b-511c-4202-a46a-bc9fea83514c

Frame=481580 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93486862320472 FOverLA=15.3
FOverLB=15.3 GUID=fd15799a-dcf3-4891-bc2c-f46bbc6da2a8

Frame=481580 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93486862320472 FOverLA=15.73
FOverLB=15.73 GUID=d25ea8c6-a6d1-4ab9-accb-c026cd60fb91

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Frame=481580 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93486862320472 FOverLA=2.6 FOverLB=2.6
GUID=067ad651-3faa-449d-8d56-bc172cb5d621

Frame=481631 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92062521848756 FOverLA=4.25
FOverLB=4.25 GUID=cda8d068-1899-4f0e-bef7-23da4050fb9d

Frame=481631 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92062521848756 FOverLA=15.3
FOverLB=15.3 GUID=5a5ee439-5e98-415e-b61e-a343c9deec50

Frame=481631 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92062521848756 FOverLA=15.73
FOverLB=15.73 GUID=8bb64e5e-a199-4529-ab70-84e4e4462db4

Frame=481631 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92062521848756 FOverLA=2.6 FOverLB=2.6
GUID=1bd1dbd0-00b2-4baa-b029-d26a62670963

Frame=481717 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90499629614274 FOverLA=4.25
FOverLB=4.25 GUID=efa0e49d-2276-4b94-9091-df6dd47b748d

Frame=481717 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90499629614274 FOverLA=15.3
FOverLB=15.3 GUID=1eb015a9-9741-4273-9582-ed93759bb0c4

Frame=481717 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90499629614274 FOverLA=15.73
FOverLB=15.73 GUID=6d07c1ec-e788-451d-a076-abf4731573a4

Frame=481717 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90499629614274 FOverLA=2.6 FOverLB=2.6
GUID=1bd1dbd0a-c7b2-4854-91bb-dc46a780634e

Frame=481794 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90060855276262 FOverLA=3.75
FOverLB=3.75 GUID=ae8f0da6-9cc8-4479-ab32-fd93fd44e188

Frame=481794 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90060855276262 FOverLA=7.5 FOverLB=7.5
GUID=a8e04b93-5209-44c0-bca0-744d2ac0986b

Frame=481794 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90060855276262 FOverLA=3.75
FOverLB=3.75 GUID=82a3ed1e-a248-4ffc-a211-d2e74bea27d9

Frame=481794 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90060855276262 FOverLA=19.1
FOverLB=19.1 GUID=93c11bd2-5bbc-40f5-abec-9898dbcbcd739

Frame=481794 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90060855276262 FOverLA=2.3 FOverLB=2.3
GUID=0b86aeff-6d7e-41e2-b009-01e5e8056e01

Frame=481857 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9256815095265 FOverLA=3.75
FOverLB=3.75 GUID=61c7b9fb-0c2a-4eca-9356-60016ca5b4d5

Frame=481857 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9256815095265 FOverLA=7.5 FOverLB=7.5
GUID=f7457161-9cae-46d8-9ba0-e9c99d3419c8

Frame=481857 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9256815095265 FOverLA=3.75
FOverLB=3.75 GUID=fa2dab6e-2b85-4d3b-bba9-cb01033d1c19

Frame=481857 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9256815095265 FOverLA=19.1 FOverLB=19.1
GUID=dcef4a92-2cdd-460a-bac8-e96f2e2ce32c

Frame=481857 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9256815095265 FOverLA=2.3 FOverLB=2.3
GUID=818744dd-e7d9-48ff-902a-42784a1f2572

Frame=481935 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93014849710169 FOverLA=3.75
FOverLB=3.75 GUID=c399dfce-aa99-4dfe-ba3a-3bf5293fd814

Frame=481935 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93014849710169 FOverLA=7.5 FOverLB=7.5
GUID=7bc9376e-c40f-40d0-ab45-017071da253f

Frame=481935 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93014849710169 FOverLA=3.75
FOverLB=3.75 GUID=2133cc8c-c988-403e-85f7-8096faeb1d14

Frame=481935 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93014849710169 FOverLA=19.1
FOverLB=19.1 GUID=af5e0e1f-d394-e577-bbe2-7601aa143eb6

Frame=481935 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93014849710169 FOverLA=2.3 FOverLB=2.3
GUID=92fd1fb2-4264-4eb6-a3ce-05a45e57852d

Frame=482853 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09628697182265 FOverLA=10.8
FOverLB=10.8 GUID=46f46780-c163-4c68-a479-4a91d639630e

Frame=482853 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09628697182265 FOverLA=3
FOverLB=3 GUID=345c53f2-7ae7-4f03-aebe-3e33efe3efe5

Frame=482853 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09628697182265 FOverLA=11.1
FOverLB=11.1 GUID=b7291407-f0d6-4ca8-8e46-574749a60857

Frame=482853 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09628697182265 FOverLA=1.5 FOverLB=1.5
GUID=c605fbb6-230b-46a8-856c-7ffe77db1a94

Frame=482940 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.88893865360127 FOverLA=10.8
FOverLB=10.8 GUID=be363064-b013-4b3d-809e-945a7315e20d

Frame=482940 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.88893865360127 FOverLA=3
FOverLB=3 GUID=981378d7-ab27-4479-ba98-66cf952dcafo

Frame=482940 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.88893865360127 FOverLA=11.1
FOverLB=11.1 GUID=04dcab05-7a41-4312-9efe-eaa0dbb25e63

Frame=482940 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.88893865360127 FOverLA=1.5 FOverLB=1.5
GUID=669e0042-d33e-423f-afba-46a6a3171a99

Frame=483221 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93626341335733 FOverLA=15.3
FOverLB=15.3 GUID=e6b96897-aaac-4b1b-807f-47b689550579

Frame=483221 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93626341335733 FOverLA=4.25
FOverLB=4.25 GUID=b132cbcc-4b4e-4ac0-b518-d2adcdc8df10

Frame=483221 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93626341335733 FOverLA=15.73
FOverLB=15.73 GUID=94840c42-f1bd-4b66-b4b2-cb1c8887be5c

Frame=483221 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93626341335733 FOverLA=2.6 FOverLB=2.6
GUID=f094a595-3c6b-43a5-8cf2-7b43362702ec

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Frame=483325 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.89520946381878 FOverLA=15.3 FOverLB=15.3 GUID=69177898-7402-4d96-854f-e26b852a1f82

Frame=483325 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.89520946381878 FOverLA=4.25 FOverLB=4.25 GUID=26330fba-36ab-4481-a0a1-17723a4f7272

Frame=483325 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.89520946381878 FOverLA=15.73 FOverLB=15.73 GUID=bdef8072-0334-47b7-8553-4ab4ff837ff4

Frame=483325 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.89520946381878 FOverLA=2.6 FOverLB=2.6 GUID=d0b3e149-db5e-4f86-bde7-4f3e9ba873ba

Frame=483405 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09630832447487 FOverLA=15.3 FOverLB=15.3 GUID=9f7678ad-b7a3-4490-b5ba-016f74a423c7

Frame=483405 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09630832447487 FOverLA=4.25 FOverLB=4.25 GUID=b63afd8f-5442-4025-8879-eebc4bafac8c

Frame=483405 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09630832447487 FOverLA=15.73 FOverLB=15.73 GUID=7db6b004-0dac-4883-b740-94e2cac9a58c

Frame=483405 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09630832447487 FOverLA=2.6 FOverLB=2.6 GUID=07f262dd-9327-4242-81a4-897c323f960d

Frame=483521 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09655354392291 FOverLA=4.25 FOverLB=4.25 GUID=0b899f57-c04d-44cf-9833-538b59d362c7

Frame=483521 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09655354392291 FOverLA=15.3 FOverLB=15.3 GUID=3fb2b580-e94b-4c36-97c8-a02bcf4c564a

Frame=483521 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09655354392291 FOverLA=15.73 FOverLB=15.73 GUID=403002d4-17ee-43d9-be67-7e78fbf7c3b0

Frame=483521 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09655354392291 FOverLA=2.6 FOverLB=2.6 GUID=4fd3b534-5346-4a01-98e1-6c5042929cf6

Frame=483604 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9015132962806 FOverLA=4.25 FOverLB=4.25 GUID=a7c0d337-e68b-4aa8-9b41-af45401652c5

Frame=483604 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9015132962806 FOverLA=15.3 FOverLB=15.3 GUID=dad200a6-5b8b-4745-a972-ac681824bc74

Frame=483604 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9015132962806 FOverLA=15.73 FOverLB=15.73 GUID=338aeacb-24bb-4159-8119-bedd5bf30dc5

Frame=483604 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9015132962806 FOverLA=2.6 FOverLB=2.6 GUID=ebf35364-da17-43d2-89ec-bd4bbda01366

Frame=483757 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93004295533764 FOverLA=4.25 FOverLB=4.25 GUID=54b5bb5d-8301-411b-adf4-f02bcd4164a

Frame=483757 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93004295533764 FOverLA=15.3 FOverLB=15.3 GUID=cd73c6b7-9e48-434e-be01-a316404d263f

Frame=483757 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93004295533764 FOverLA=15.73 FOverLB=15.73 GUID=2b399545-8884-41e3-a14d-f7e37736bb60

Frame=483757 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93004295533764 FOverLA=2.6 FOverLB=2.6 GUID=0b148f67-1cfd-46f2-a890-ad13afa8be4c

Frame=483993 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92406807966154 FOverLA=4.25 FOverLB=4.25 GUID=bd0f64da-fa85-46e6-bbce-4d7a2c427cb4

Frame=483993 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92406807966154 FOverLA=15.3 FOverLB=15.3 GUID=e8c749d4-d167-4c74-97cd-3b571542e88c

Frame=483993 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92406807966154 FOverLA=15.73 FOverLB=15.73 GUID=1437e9eb-6568-41b6-a11a-e41a7adcbadc

Frame=483993 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92406807966154 FOverLA=2.6 FOverLB=2.6 GUID=af93877d-5e69-46c9-9e3a-7f954c1a163d

Frame=484059 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90752180745171 FOverLA=4.25 FOverLB=4.25 GUID=8a91661c-5104-44fa-ba89-d269e4bdcee6

Frame=484059 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90752180745171 FOverLA=15.3 FOverLB=15.3 GUID=7a7476f0-da4e-4521-9d45-e2d77354ac5f

Frame=484059 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90752180745171 FOverLA=15.73 FOverLB=15.73 GUID=dabdb96f-e6b4-47f0-87ba-4c3af54c4764

Frame=484059 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90752180745171 FOverLA=2.6 FOverLB=2.6 GUID=f105254c-09f5-41f0-ba19-06b33cfaa995

Frame=484172 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09644904383272 FOverLA=4.25 FOverLB=4.25 GUID=c8a9a638-93df-4390-bb61-fdf7059f2ce3

Frame=484172 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09644904383272 FOverLA=15.3 FOverLB=15.3 GUID=cb117619-9c1c-487a-a4e5-5029dc09f607

Frame=484172 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09644904383272 FOverLA=15.73 FOverLB=15.73 GUID=71d87eba-8eb0-4364-8ba2-956ae6c5ba3b

Frame=484172 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09644904383272 FOverLA=2.6 FOverLB=2.6 GUID=43c63741-3ae3-4afd-889c-85b8c9388539

Frame=484294 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=3.75 FOverLB=3.75 GUID=bc334b2-8a10-4656-969d-65dbfffc5716b

Frame=484294 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=7.5 FOverLB=7.5 GUID=634ead1a-4b3d-4c62-9fb4-5a5f2168b7a2

Frame=484294 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=3.75 FOverLB=3.75 GUID=0d74bf42-9b42-4d98-8acc-d25baca92631

Frame=484294 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=19.1 FOverLB=19.1 GUID=392865d0-a466-4c11-b64a-ae35db3be168

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Frame=484294 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09629791042921 FOverLA=2.3 FOverLB=2.3
GUID=f323f258-b878-466f-93d5-2ed4ee52e189

Frame=484413 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91436019450055 FOverLA=3.75
FOverLB=3.75 GUID=c7a0fa4a-057a-493b-a7e0-d54a313d2786

Frame=484413 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91436019450055 FOverLA=7.5 FOverLB=7.5
GUID=b6e01cad-1283-4566-883e-90e119256d9e

Frame=484413 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91436019450055 FOverLA=3.75
FOverLB=3.75 GUID=2bf30b34-7524-4327-873f-7243a7e75c09

Frame=484413 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91436019450055 FOverLA=19.1
FOverLB=19.1 GUID=9d157280-0d73-47ea-8256-b9e51067d896

Frame=484413 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91436019450055 FOverLA=2.3 FOverLB=2.3
GUID=9045a9fd-0f6d-4216-94bc-5ebe2021d10d

Frame=484455 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91725018988463 FOverLA=3.75
FOverLB=3.75 GUID=c4fba456-f26c-4671-80ce-bc67b3a5baf9

Frame=484455 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91725018988463 FOverLA=7.5 FOverLB=7.5
GUID=6b69700e-429c-47b1-937b-8b94ac49d7d2

Frame=484455 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91725018988463 FOverLA=3.75
FOverLB=3.75 GUID=80703009-a0ea-4671-9f42-62d6a3e2b36f

Frame=484455 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91725018988463 FOverLA=19.1
FOverLB=19.1 GUID=28bc290e-e14d-4b59-b29a-c3a93a7d40a5

Frame=484455 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91725018988463 FOverLA=2.3 FOverLB=2.3
GUID=1bb2fd06-c480-4b04-a1bf-1c02acb468f1

Frame=485333 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09782309182812 FOverLA=10.8
FOverLB=10.8 GUID=43c125a8-e178-44c4-9c21-6c0304b225f8

Frame=485333 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09782309182812 FOverLA=3
FOverLB=3 GUID=3cf76d86-fa1f-4dae-819a-d35389cc348

Frame=485333 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09782309182812 FOverLA=11.1
FOverLB=11.1 GUID=9e5afc12-edfc-49a1-a2a4-5326a7eec74d

Frame=485333 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09782309182812 FOverLA=1.5 FOverLB=1.5
GUID=963cc4fe-f61b-44b2-8d14-b3c9b302041a

Frame=485404 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90635940310123 FOverLA=10.8
FOverLB=10.8 GUID=eb02893c-783b-4d56-bd9d-6902a61b563b

Frame=485404 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90635940310123 FOverLA=3
FOverLB=3 GUID=1737d350-b989-48da-8f34-93fdc53c526c

Frame=485404 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90635940310123 FOverLA=11.1
FOverLB=11.1 GUID=9200d918-d4d9-47f0-9fe5-e8705653e7e2

Frame=485404 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90635940310123 FOverLA=1.5 FOverLB=1.5
GUID=2bfcc05-cc48-44d3-978a-ad0ba02d537d

Frame=485469 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92409591796111 FOverLA=10.8
FOverLB=10.8 GUID=5ef2aa87-0d30-4d51-bfbb-0878a70d8ff9

Frame=485469 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92409591796111 FOverLA=3
FOverLB=3 GUID=e85d0cdd-e675-47e1-99c6-0443cb595743

Frame=485469 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92409591796111 FOverLA=11.1
FOverLB=11.1 GUID=19573e09-45b6-4509-904e-e0fe3192d9f5

Frame=485469 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92409591796111 FOverLA=1.5 FOverLB=1.5
GUID=7a09e302-4839-4c23-a6df-0425a351aa32

Frame=485574 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09316661022618 FOverLA=15.3
FOverLB=15.3 GUID=4eae3b7b-4894-4bcf-aec3-f5ff72db60c2

Frame=485574 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09316661022618 FOverLA=4.25
FOverLB=4.25 GUID=21220801-594e-4325-988d-d3a6426b9eb4

Frame=485574 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09316661022618 FOverLA=15.73
FOverLB=15.73 GUID=d0d35e44-8d5e-4a78-b3cc-0c06c59b4287

Frame=485574 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09316661022618 FOverLA=2.6 FOverLB=2.6
GUID=a58bef2d-c246-4c81-8f45-99983321b5e0

Frame=485625 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91085395522222 FOverLA=15.3
FOverLB=15.3 GUID=34b1f6bb-9743-4cba-997b-bcfef5924211

Frame=485625 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91085395522222 FOverLA=4.25
FOverLB=4.25 GUID=b52b9f03-0209-41ac-8047-eddc921834ee

Frame=485625 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91085395522222 FOverLA=15.73
FOverLB=15.73 GUID=e55d6379-33df-4da5-8b6d-c4cc948d80cb

Frame=485625 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91085395522222 FOverLA=2.6 FOverLB=2.6
GUID=61de3716-f4fd-4c20-ab5b-9813eb16ddca

Frame=485657 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91904810240388 FOverLA=15.3
FOverLB=15.3 GUID=feb42ce8-a90f-4fd8-8347-15848ccbd123

Frame=485657 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91904810240388 FOverLA=4.25
FOverLB=4.25 GUID=357ee590-132b-44de-810a-4737cfc4d531

Frame=485657 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91904810240388 FOverLA=15.73
FOverLB=15.73 GUID=0f72aea8-d1ff-4b65-99bf-ee9c2d7104fc

Frame=485657 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91904810240388 FOverLA=2.6 FOverLB=2.6
GUID=25f9fc42-5912-4c14-a6e4-6d8b16a6a539

Frame=485854 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.0930138414576 FOverLA=4.25
FOverLB=4.25 GUID=8b35753a-a9c0-4686-b29c-748904fb06ec

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Frame=485854 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.0930138414576 FOverLA=15.3 FOverLB=15.3 GUID=693720cb-76f0-4a91-948f-e63988002315

Frame=485854 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.0930138414576 FOverLA=15.73 FOverLB=15.73 GUID=dc9e2660-78ea-45e8-ad0d-bb496fda1ffc3

Frame=485854 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.0930138414576 FOverLA=2.6 FOverLB=2.6 GUID=74f5ecd9-7ae4-4b35-b24f-451a9a166258

Frame=485943 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09304946258721 FOverLA=4.25 FOverLB=4.25 GUID=ae488722-3c21-46d1-8c0f-b3893168667f

Frame=485943 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09304946258721 FOverLA=15.3 FOverLB=15.3 GUID=bc53c890-27c0-45ba-89e4-7663eb62140d

Frame=485943 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09304946258721 FOverLA=15.73 FOverLB=15.73 GUID=ea2c950a-7493-4141-8c83-42a7f268b0fe

Frame=485943 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09304946258721 FOverLA=2.6 FOverLB=2.6 GUID=c1d1f42c-5718-4b73-a5d5-42a7025dc704

Frame=486088 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9205492317099 FOverLA=4.25 FOverLB=4.25 GUID=9666e5f8-a238-47b6-964a-1f6e6351f097

Frame=486088 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9205492317099 FOverLA=15.3 FOverLB=15.3 GUID=65137595-95a7-4f9b-a522-0f13e95fde6c

Frame=486088 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9205492317099 FOverLA=15.73 FOverLB=15.73 GUID=bbcbbf9dc-4e29-4e87-88df-4a8689fcdca3

Frame=486088 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.9205492317099 FOverLA=2.6 FOverLB=2.6 GUID=c857c39f-a927-4ba4-a731-488d85352034

Frame=486331 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90940159823851 FOverLA=4.25 FOverLB=4.25 GUID=c3bae62c-79ea-4206-8199-01d4cf59b9da

Frame=486331 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90940159823851 FOverLA=15.3 FOverLB=15.3 GUID=0d3c8959-601e-4a6e-ae20-2cb78b883c63

Frame=486331 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90940159823851 FOverLA=15.73 FOverLB=15.73 GUID=83455e55-bccc-498f-ac7f-7a9b88635dae

Frame=486331 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90940159823851 FOverLA=2.6 FOverLB=2.6 GUID=8a3dadbb0-925b-4484-a8ca-15dcb3e0d58c

Frame=486451 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90494333425464 FOverLA=3.75 FOverLB=3.75 GUID=b753ea48-500d-4088-87b1-4602277e6822

Frame=486451 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90494333425464 FOverLA=7.5 FOverLB=7.5 GUID=7a9f1bdf-0f0d-45f1-b29c-fc2ecfa39950

Frame=486451 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90494333425464 FOverLA=3.75 FOverLB=3.75 GUID=3c945bda-24c4-42d6-984e-a88551e15dec

Frame=486451 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90494333425464 FOverLA=19.1 FOverLB=19.1 GUID=a38b294c-d1a3-4248-8bb0-ed9bcd10c894

Frame=486451 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.90494333425464 FOverLA=2.3 FOverLB=2.3 GUID=5d09d910-7a0e-4349-8e65-7ff6753932ba

Frame=486529 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92539523249321 FOverLA=3.75 FOverLB=3.75 GUID=855269c3-fb15-4884-8b22-2fa20ab3e2c9

Frame=486529 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92539523249321 FOverLA=7.5 FOverLB=7.5 GUID=9751060a-31dc-4e1d-bf3b-7e3293abe156

Frame=486529 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92539523249321 FOverLA=3.75 FOverLB=3.75 GUID=8e533227-e319-4edb-93eb-fda163fa4010

Frame=486529 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92539523249321 FOverLA=19.1 FOverLB=19.1 GUID=eac0cce2-dc0b-48c3-9ddf-fb585dfa4b35

Frame=486529 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.92539523249321 FOverLA=2.3 FOverLB=2.3 GUID=cf957feb-46d3-4ca1-b75f-bc2201a0bac

Frame=486679 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=3.75 FOverLB=3.75 GUID=2911f601-8ff6-461e-94f3-4e72dbf61950

Frame=486679 LoadPat=FOLLA CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=7.5 FOverLB=7.5 GUID=a0c61749-634a-4cd4-a5e5-bf3f8c9509bb

Frame=486679 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=3.75 FOverLB=3.75 GUID=d4232cae-e390-464b-8d04-0c4604fa2381

Frame=486679 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=19.1 FOverLB=19.1 GUID=804f50fa-10a5-47c1-a900-e97bc177c0d7

Frame=486679 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=3.09301253299901 FOverLA=2.3 FOverLB=2.3 GUID=7e0000eb-f9e8-4600-a3fd-d65d81ea48ec

Frame=7 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93293207869519 FOverLA=10.8 FOverLB=10.8 GUID=aa5cbef0-b16e-43e1-ad45-089d4d6e8b5a

Frame=7 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93293207869519 FOverLA=3 FOverLB=3 GUID=1f1f5edd-f00e-4899-93b6-96a29e4fbb24

Frame=7 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93293207869519 FOverLA=11.1 FOverLB=11.1 GUID=b88046c4-d1e3-471b-bb6b-deb80c88028b

Frame=7 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.93293207869519 FOverLA=1.5 FOverLB=1.5 GUID=1c27bae2-3662-4bc4-b45a-159fa7ec9f64

Frame=1 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91416206968566 FOverLA=15.73 FOverLB=15.73 GUID=9e6af320-56c3-4a8f-b280-87e0c1343ee5

Frame=1 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91416206968566 FOverLA=2.6 FOverLB=2.6 GUID=93d055e1-75d9-4709-af9d-f825b0fad932

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Frame=1 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91416206968566 FOverLA=4.25
FOverLB=4.25 GUID=c08aff84-9e33-4f7f-87d1-65b2c40197c2

Frame=1 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91416206968566 FOverLA=15.3
FOverLB=15.3 GUID=ca7457a9-aed1-4396-b6d2-7024fcc7ced8

Frame=2 LoadPat=PROPRIO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91585136867493 FOverLA=15.73 FOverLB=15.73
GUID=9e6af320-56c3-4a8f-b280-87e0c1343ee5

Frame=2 LoadPat=PORTATO CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91585136867493 FOverLA=2.6 FOverLB=2.6
GUID=93d055e1-75d9-4709-af9d-f825b0fad932

Frame=2 LoadPat=TRAFFICO_DIST1 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91585136867493 FOverLA=4.25
FOverLB=4.25 GUID=c08aff84-9e33-4f7f-87d1-65b2c40197c2

Frame=2 LoadPat=TRAFFICO_DIST2 CoordSys=GLOBAL Type=Force Dir=Gravity DistType=RelDist RelDistA=0 RelDistB=1 AbsDistA=0 AbsDistB=2.91585136867493 FOverLA=15.3
FOverLB=15.3 GUID=ca7457a9-aed1-4396-b6d2-7024fcc7ced8

TABLE: "FRAME LOAD TRANSFER OPTIONS"

Frame=1 Transfer=Yes
Frame=2 Transfer=Yes
Frame=7 Transfer=Yes
Frame=16 Transfer=Yes
Frame=17 Transfer=Yes
Frame=18 Transfer=Yes
Frame=19 Transfer=Yes
Frame=36 Transfer=Yes
Frame=37 Transfer=Yes
Frame=38 Transfer=Yes
Frame=40 Transfer=Yes
Frame=404633 Transfer=Yes
Frame=405447 Transfer=Yes
Frame=405856 Transfer=Yes
Frame=406270 Transfer=Yes
Frame=406272 Transfer=Yes
Frame=406352 Transfer=Yes
Frame=406354 Transfer=Yes
Frame=406356 Transfer=Yes
Frame=406384 Transfer=Yes
Frame=406386 Transfer=Yes
Frame=406388 Transfer=Yes
Frame=406464 Transfer=Yes
Frame=406466 Transfer=Yes
Frame=406468 Transfer=Yes
Frame=407031 Transfer=Yes
Frame=408237 Transfer=Yes
Frame=408417 Transfer=Yes
Frame=408634 Transfer=Yes
Frame=408723 Transfer=Yes
Frame=408871 Transfer=Yes
Frame=409028 Transfer=Yes
Frame=409220 Transfer=Yes
Frame=409370 Transfer=Yes
Frame=410473 Transfer=Yes
Frame=410529 Transfer=Yes
Frame=427002 Transfer=Yes
Frame=478321 Transfer=Yes
Frame=478428 Transfer=Yes
Frame=478484 Transfer=Yes
Frame=479131 Transfer=Yes
Frame=479262 Transfer=Yes
Frame=479332 Transfer=Yes
Frame=479651 Transfer=Yes
Frame=479757 Transfer=Yes
Frame=479905 Transfer=Yes
Frame=480014 Transfer=Yes
Frame=480157 Transfer=Yes
Frame=480208 Transfer=Yes
Frame=480504 Transfer=Yes
Frame=480558 Transfer=Yes
Frame=480820 Transfer=Yes
Frame=481188 Transfer=Yes
Frame=481254 Transfer=Yes
Frame=481341 Transfer=Yes
Frame=481390 Transfer=Yes
Frame=481490 Transfer=Yes
Frame=481545 Transfer=Yes
Frame=481580 Transfer=Yes

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Frame=481631 Transfer=Yes
Frame=481717 Transfer=Yes
Frame=481794 Transfer=Yes
Frame=481857 Transfer=Yes
Frame=481935 Transfer=Yes
Frame=482853 Transfer=Yes
Frame=482940 Transfer=Yes
Frame=483221 Transfer=Yes
Frame=483325 Transfer=Yes
Frame=483405 Transfer=Yes
Frame=483521 Transfer=Yes
Frame=483604 Transfer=Yes
Frame=483687 Transfer=Yes
Frame=483757 Transfer=Yes
Frame=483893 Transfer=Yes
Frame=483993 Transfer=Yes
Frame=484059 Transfer=Yes
Frame=484172 Transfer=Yes
Frame=484294 Transfer=Yes
Frame=484413 Transfer=Yes
Frame=484455 Transfer=Yes
Frame=485333 Transfer=Yes
Frame=485404 Transfer=Yes
Frame=485469 Transfer=Yes
Frame=485574 Transfer=Yes
Frame=485625 Transfer=Yes
Frame=485657 Transfer=Yes
Frame=485854 Transfer=Yes
Frame=485943 Transfer=Yes
Frame=486024 Transfer=Yes
Frame=486088 Transfer=Yes
Frame=486331 Transfer=Yes
Frame=486451 Transfer=Yes
Frame=486529 Transfer=Yes
Frame=486679 Transfer=Yes
Frame=487004 Transfer=Yes
Frame=487026 Transfer=Yes
Frame=487178 Transfer=Yes
Frame=487228 Transfer=Yes
Frame=487423 Transfer=Yes
Frame=487475 Transfer=Yes
Frame=487540 Transfer=Yes
Frame=487837 Transfer=Yes
Frame=487947 Transfer=Yes
Frame=488048 Transfer=Yes
Frame=495874 Transfer=Yes
Frame=495903 Transfer=Yes
Frame=496097 Transfer=Yes
Frame=496156 Transfer=Yes
Frame=496235 Transfer=Yes
Frame=496286 Transfer=Yes
Frame=496340 Transfer=Yes
Frame=502656 Transfer=Yes

TABLE: "FRAME OFFSET ALONG LENGTH ASSIGNMENTS"

Frame=1 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=2 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=7 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=16 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=17 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=18 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=19 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=36 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=37 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=38 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=40 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=404633 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=405447 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=405856 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406270 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406272 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406352 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406354 Type=User LengthI=0 LengthJ=0 RigidFactor=0

Frame=406356 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406384 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406386 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406388 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406464 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406466 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=406468 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=407031 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=408237 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=408417 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=408634 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=408723 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=408871 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=409028 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=409220 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=409370 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=410473 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=410529 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=427002 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=478321 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=478428 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=478484 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=479131 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=479262 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=479332 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=479651 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=479757 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=479905 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=480014 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=480157 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=480208 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=480504 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=480558 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=480820 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=481188 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481254 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481341 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481390 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481490 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481545 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481580 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481631 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481717 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481794 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481857 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=481935 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=482853 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=482940 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=483221 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=483325 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=483405 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=483521 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=483604 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=483687 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=483757 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=483893 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=483993 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=484059 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=484172 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=484294 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=484413 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=484455 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=485333 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=485404 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=485469 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=485574 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=485625 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=485657 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=485854 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=485943 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=486024 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=486088 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=486331 Type=User LengthI=0 LengthJ=0 RigidFactor=0

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Frame=486451 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=486529 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=486679 Type=User LengthI=0 LengthJ=0 RigidFactor=0
Frame=487004 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=487026 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=487178 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=487228 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=487423 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=487475 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=487540 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=487837 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=487947 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=488048 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=495874 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=495903 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=496097 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=496156 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=496235 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=496286 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=496340 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1
Frame=502656 Type=User LengthI=0.3 LengthJ=0.3 RigidFactor=1

TABLE: "FRAME OUTPUT STATION ASSIGNMENTS"

Frame=1 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=2 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=7 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=16 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=17 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=18 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=19 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=36 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=37 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=38 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=40 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=404633 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=405447 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=405856 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406270 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406272 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406352 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406354 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406356 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406384 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406386 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406388 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406464 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406466 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=406468 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=407031 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=408237 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=408417 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=408634 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=408723 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=408871 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=409028 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=409220 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=409370 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=410473 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=410529 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=427002 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=478321 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=478428 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=478484 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=479131 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=479262 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=479332 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=479651 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=479757 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=479905 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=480014 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=480157 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=480208 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes
Frame=480504 StationType=MaxStaSpcg MaxStaSpcg=0.5 AddAtElmInt=Yes AddAtPtLoad=Yes

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Frame=480558	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=480820	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481188	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481254	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481341	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481390	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481490	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481545	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481580	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481631	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481717	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481794	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481857	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=481935	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=482853	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=482940	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=483221	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=483325	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=483405	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=483521	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=483604	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=483687	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=483757	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=483893	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=483993	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=484059	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=484172	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=484294	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=484413	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=484455	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=485333	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=485404	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=485469	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=485574	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=485625	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=485657	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=485854	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=485943	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=486024	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=486088	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=486331	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=486451	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=486529	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=486679	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=487004	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=487026	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=487178	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=487228	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=487423	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=487475	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=487540	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=487837	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=487947	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=488048	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=495874	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=495903	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=496097	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=496156	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=496235	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=496286	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=496340	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes
Frame=502656	StationType=MaxStaSpcg	MaxStaSpcg=0.5	AddAtElmint=Yes	AddAtPtLoad=Yes

TABLE: "FRAME SECTION ASSIGNMENTS"

Frame=1	AutoSelect=N.A.	AnalSect=32x72	MatProp=Default
Frame=2	AutoSelect=N.A.	AnalSect=32x72	MatProp=Default
Frame=7	AutoSelect=N.A.	AnalSect=32x72	MatProp=Default
Frame=16	AutoSelect=N.A.	AnalSect=Traverso_pila_n	MatProp=Default
Frame=17	AutoSelect=N.A.	AnalSect=Traverso_pila_n	MatProp=Default
Frame=18	AutoSelect=N.A.	AnalSect=Traverso_pila_n	MatProp=Default
Frame=19	AutoSelect=N.A.	AnalSect=Traverso_pila_n	MatProp=Default
Frame=36	AutoSelect=N.A.	AnalSect=Traverso_pila_n	MatProp=Default
Frame=37	AutoSelect=N.A.	AnalSect=Traverso_pila_n	MatProp=Default

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Sede operativa: Via dei Servi, 12 – Firenze – e-mail info@micheloni.pro

Frame=38 AutoSelect=N.A. AnalSect=Traverso_pila_n MatProp=Default
Frame=40 AutoSelect=N.A. AnalSect=Traverso_pila_n MatProp=Default
Frame=404633 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=405447 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=405856 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406270 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406272 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406352 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406354 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406356 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406384 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406386 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406388 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406464 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406466 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=406468 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=407031 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=408237 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=408417 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=408634 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=408723 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=408871 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=409028 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=409220 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=409370 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=410473 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=410529 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=427002 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=478321 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=478428 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=478484 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=479131 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=479262 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=479332 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=479651 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=479757 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=479905 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=480014 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=480157 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=480208 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=480504 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=480558 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=480820 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=481188 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481254 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481341 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481390 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481490 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481545 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481580 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481631 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481717 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481794 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481857 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=481935 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=482853 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=482940 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=483221 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=483325 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=483405 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=483521 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=483604 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=483687 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=483757 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=483893 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=483993 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=484059 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=484172 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=484294 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=484413 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=484455 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=485333 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=485404 AutoSelect=N.A. AnalSect=32x72 MatProp=Default

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Frame=485469 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=485574 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=485625 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=485657 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=485854 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=485943 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=486024 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=486088 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=486331 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=486451 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=486529 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=486679 AutoSelect=N.A. AnalSect=32x72 MatProp=Default
Frame=487004 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=487026 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=487178 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=487228 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=487423 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=487475 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=487540 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=487837 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=487947 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=488048 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=495874 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=495903 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=496097 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=496156 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=496235 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=496286 AutoSelect=N.A. AnalSect=32x65 MatProp=Default
Frame=496340 AutoSelect=N.A. AnalSect=30x45 MatProp=Default
Frame=502656 AutoSelect=N.A. AnalSect=30x45 MatProp=Default

TABLE: "FRAME SECTION PROPERTIES 01 - GENERAL"

SectionName=30x45 Material="Calcestruzzo, Gettato in opera, Grigio" Shape=Rectangular t3=0.45 t2=0.3 Area=0.135 TorsConst=0.002377 I33=0.002278125 I22=0.0010125 I23=0 AS2=0.1125 AS3=0.1125 S33Top=0.010125 _
S33Bot=0.010125 S22Left=0.00675 S22Right=0.00675 Z33=0.0151875 Z22=0.010125 R33=0.129903810567666 R22=0.0866025403784439 CGOffset3=0 CGOffset2=0 EccV2=0 EccV3=0 Cw=0 Color=Magenta FromFile=No AMod=1 _
A2Mod=1 A3Mod=1 JMod=1 I2Mod=1 I3Mod=1 MMod=1 WMod=1
SectionName=32x65 Material="Calcestruzzo, Gettato in opera, Grigio" Shape=Rectangular t3=0.68 t2=0.320000000000003 Area=0.217600000000002 TorsConst=0.00523440289853505 I33=0.00838485333333342 I22=0.00185685333333339 _
I23=0 AS2=0.181333333333335 AS3=0.181333333333335 S33Top=0.0246613333333336 S33Bot=0.0246613333333336 S22Left=0.0116053333333336 S22Right=0.0116053333333336 Z33=0.0369920000000004 Z22=0.0174080000000004 _
R33=0.196299091524473 R22=0.0923760430703411 CGOffset3=0 CGOffset2=0 EccV2=0 EccV3=0 Cw=0 Color=Yellow FromFile=No AMod=1 A2Mod=1 A3Mod=1 JMod=1 I2Mod=1 I3Mod=1 MMod=1 WMod=1
SectionName=32x72 Material="Calcestruzzo, Gettato in opera, Grigio" Shape=Rectangular t3=0.72 t2=0.32 Area=0.2304 TorsConst=0.00566947031537875 I33=0.00995328 I22=0.00196608 I23=0 AS2=0.192 AS3=0.192 _
S33Top=0.027648 S33Bot=0.027648 S22Left=0.012288 S22Right=0.012288 Z33=0.041472 Z22=0.018432 R33=0.207846096908265 R22=0.0923760430703401 CGOffset3=0 CGOffset2=0 EccV2=0 EccV3=0 Cw=0 Color=Cyan _
FromFile=No AMod=1 A2Mod=1 A3Mod=1 JMod=1 I2Mod=1 I3Mod=1 MMod=1 WMod=1
SectionName=Traverso_pila_n Material="Calcestruzzo, Gettato in opera, Grigio" Shape=Rectangular t3=0.75 t2=0.65 Area=0.4875 TorsConst=0.0329323186873457 I33=0.0228515625 I22=0.0171640625 I23=0 AS2=0.40625 _
AS3=0.40625 S33Top=0.0609375 S33Bot=0.0609375 S22Left=0.0528125 S22Right=0.0528125 Z33=0.09140625 Z22=0.07921875 R33=0.21650635094611 R22=0.187638837486628 CGOffset3=0 CGOffset2=0 EccV2=0 EccV3=0 Cw=0 _
Color=Red FromFile=No AMod=1 A2Mod=1 A3Mod=1 JMod=1 I2Mod=1 I3Mod=1 MMod=1 WMod=1 Notes="Added 31/07/2022 20:52:42"

TABLE: "FRAME SECTION PROPERTIES 02 - CONCRETE COLUMN"

SectionName=30x45 RebarMatL=A615Gr60 RebarMatC=A615Gr60 ReinfConfig=Rectangular LatReinf=Ties Cover=0.04 NumBars3Dir=3 NumBars2Dir=3 BarSizeL=#9 BarSizeC=#4 SpacingC=0.15 NumCBars2=3 NumCBars3=3 ReinfType=Design
SectionName=32x65 RebarMatL=A615Gr60 RebarMatC=A615Gr60 ReinfConfig=Rectangular LatReinf=Ties Cover=0.04 NumBars3Dir=3 NumBars2Dir=3 BarSizeL=#9 BarSizeC=#4 SpacingC=0.15 NumCBars2=3 NumCBars3=3 ReinfType=Design
SectionName=32x72 RebarMatL=A615Gr60 RebarMatC=A615Gr60 ReinfConfig=Rectangular LatReinf=Ties Cover=0.04 NumBars3Dir=3 NumBars2Dir=3 BarSizeL=#9 BarSizeC=#4 SpacingC=0.15 NumCBars2=3 NumCBars3=3 ReinfType=Design
SectionName=Traverso_pila_n RebarMatL=A615Gr60 RebarMatC=A615Gr60 ReinfConfig=Rectangular LatReinf=Ties Cover=0.04 NumBars3Dir=3 NumBars2Dir=3 BarSizeL=#9 BarSizeC=#4 SpacingC=0.15 NumCBars2=3 NumCBars3=3 ReinfType=Design

TABLE: "FRAME SECTION PROPERTIES 13 - TIME DEPENDENT"

SectionName=30x45 TypeSize=Auto AutoSFSize=1
SectionName=32x65 TypeSize=Auto AutoSFSize=1
SectionName=32x72 TypeSize=Auto AutoSFSize=1
SectionName=Traverso_pila_n TypeSize=Auto AutoSFSize=1

TABLE: "FUNCTION - PLOT FUNCTIONS"

PlotFunc="Input Energy" Type=Energy Component=Input Mode=All

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TABLE: "FUNCTION - POWER SPECTRAL DENSITY - USER"

Name=UNIFPSD Frequency=0 Value=1
Name=UNIFPSD Frequency=1 Value=1

TABLE: "FUNCTION - RESPONSE SPECTRUM - USER"

Name=UNIFRS Period=0 Accel=1 FuncDamp=0.05
Name=UNIFRS Period=1 Accel=1

TABLE: "FUNCTION - STEADY STATE - USER"

Name=UNIFSS Frequency=0 Value=1
Name=UNIFSS Frequency=1 Value=1

TABLE: "FUNCTION - TIME HISTORY - USER"

Name=RAMPTH Time=0 Value=0
Name=RAMPTH Time=1 Value=1
Name=RAMPTH Time=4 Value=1
Name=UNIFTH Time=0 Value=1
Name=UNIFTH Time=1 Value=1

TABLE: "GRID LINES"

CoordSys=GLOBAL AxisDir=X XYZCoord=-18.1181314532048 LineType=Primary LineColor=Black Visible=Yes BubbleLoc=End AllVisible=Yes BubbleSize=2.4384
CoordSys=GLOBAL AxisDir=X XYZCoord=0 LineType=Primary LineColor=Black Visible=Yes BubbleLoc=End
CoordSys=GLOBAL AxisDir=X XYZCoord=19.8478343303183 LineType=Primary LineColor=Black Visible=Yes BubbleLoc=End
CoordSys=GLOBAL AxisDir=Y XYZCoord=-2.40181455202315 LineType=Primary LineColor=Black Visible=Yes BubbleLoc=End
CoordSys=GLOBAL AxisDir=Y XYZCoord=0 LineType=Primary LineColor=Black Visible=Yes BubbleLoc=End
CoordSys=GLOBAL AxisDir=Y XYZCoord=5.97134570000283 LineType=Primary LineColor=Black Visible=Yes BubbleLoc=End
CoordSys=GLOBAL AxisDir=Z XYZCoord=-11.0734929133713 LineType=Primary LineColor=Black Visible=Yes BubbleLoc=End
CoordSys=GLOBAL AxisDir=Z XYZCoord=-0.713738678069909 LineType=Primary LineColor=Black Visible=Yes BubbleLoc=End

TABLE: "GROUPS 1 - DEFINITIONS"

GroupName=ALL Selection=Yes SectionCut=Yes Steel=Yes Concrete=Yes Aluminum=Yes ColdFormed=Yes Stage=Yes Bridge=Yes AutoSeismic=No AutoWind=No SelDesSteel=No
SelDesAlum=No SelDesCold=No MassWeight=Yes Color=Red

TABLE: "JOINT COORDINATES"

Joint=65 CoordSys=GLOBAL CoordType=Cartesian XorR=18.5188222285782 Y=5.1576118729207 Z=-0.713738678069909 SpecialJt=Yes GUID=6cbc0d75-45c0-4876-b4eb-00eb4e9c8ded
Joint=66 CoordSys=GLOBAL CoordType=Cartesian XorR=15.5310859117116 Y=5.15383151851357 Z=-0.713738678069909 SpecialJt=Yes GUID=9d206b1db-181e-4815-919c-6d1d1435a10b
Joint=68 CoordSys=GLOBAL CoordType=Cartesian XorR=3.50498961140018 Y=5.14857986723424 Z=-0.713738678069909 SpecialJt=Yes GUID=90764d54-7525-4b10-826a-cf16dee0c4f4
Joint=70 CoordSys=GLOBAL CoordType=Cartesian XorR=-8.50945447300492 Y=5.15090438320654 Z=-0.713738678069909 SpecialJt=Yes GUID=f64a138e-329b-4075-bfa8-bffab978f393
Joint=72 CoordSys=GLOBAL CoordType=Cartesian XorR=3.52634634097962 Y=3.4507871166283 Z=-0.713738678069909 SpecialJt=Yes GUID=f6e26749-6dcf-4e5c-87bb-2d272544f995
Joint=74 CoordSys=GLOBAL CoordType=Cartesian XorR=-8.49774259847791 Y=3.45310438320654 Z=-0.713738678069909 SpecialJt=Yes GUID=f2178807-a8a1-4a93-95a5-5dd464eb41a4
Joint=75 CoordSys=GLOBAL CoordType=Cartesian XorR=18.5188222285782 Y=1.76228568728873 Z=-0.713738678069909 SpecialJt=Yes GUID=70a39c30-8940-4281-9f3a-cd6a814ee463
Joint=76 CoordSys=GLOBAL CoordType=Cartesian XorR=15.5542355048548 Y=1.7583039718726 Z=-0.713738678069909 SpecialJt=Yes GUID=a8577ca1-b8f7-42ac-82ff-8821a0183088
Joint=78 CoordSys=GLOBAL CoordType=Cartesian XorR=3.53819951458731 Y=1.75307042706299 Z=-0.713738678069909 SpecialJt=Yes GUID=a117263a-0d57-4dc2-bd5a-a12146a472bf
Joint=80 CoordSys=GLOBAL CoordType=Cartesian XorR=-8.48646321196875 Y=1.75540438320654 Z=-0.713738678069909 SpecialJt=Yes GUID=8c5144dd-f8f6-46c2-b98e-2235ae267f68
Joint=81 CoordSys=GLOBAL CoordType=Cartesian XorR=18.5188222285782 Y=0.0547195156180463 Z=-0.713738678069909 SpecialJt=Yes GUID=331f0339-ca56-476a-885a-46c91ad2adb5
Joint=82 CoordSys=GLOBAL CoordType=Cartesian XorR=15.5659748713802 Y=0.05053823228529 Z=-0.713738678069909 SpecialJt=Yes GUID=658eed7a-2285-4750-99a9-d898c2aec2c6
Joint=84 CoordSys=GLOBAL CoordType=Cartesian XorR=3.54993000279215 Y=0.0454416386418217 Z=-0.713738678069909 SpecialJt=Yes GUID=675f8c26-8f60-428a-bb11-c8d4ed00082d
Joint=86 CoordSys=GLOBAL CoordType=Cartesian XorR=-8.4745573623193 Y=0.0478043832065429 Z=-0.713738678069909 SpecialJt=Yes GUID=cec37a75-a84a-400b-b5c0-f8873eabede8
Joint=87 CoordSys=GLOBAL CoordType=Cartesian XorR=18.5188222285782 Y=1.64881564526072 Z=-0.713738678069909 SpecialJt=Yes GUID=e1227725-6c55-4152-b301-bd0382d6fb3d
Joint=88 CoordSys=GLOBAL CoordType=Cartesian XorR=15.578146546496 Y=-1.65275235745042 Z=-0.713738678069909 SpecialJt=Yes GUID=01437d7d-227b-4f04-981c-b11e6d451b3a
Joint=90 CoordSys=GLOBAL CoordType=Cartesian XorR=3.56178805005068 Y=-1.65802263263371 Z=-0.713738678069909 SpecialJt=Yes GUID=24de13ac-79a0-4442-a774-5cddcbcb397d0
Joint=92 CoordSys=GLOBAL CoordType=Cartesian XorR=-8.46241754504724 Y=-1.65569424978435 Z=-0.713738678069909 SpecialJt=Yes GUID=1372499f-b2e6-4f74-a2b1-143a10408529
Joint=93 CoordSys=GLOBAL CoordType=Cartesian XorR=-14.3350640542786 Y=5.15090451733871 Z=-0.713738678069909 SpecialJt=Yes GUID=23a61147-faae-46a3-a1b9-ef9abcf9ec33
Joint=94 CoordSys=GLOBAL CoordType=Cartesian XorR=-14.3240025634475 Y=3.45310438320656 Z=-0.713738678069909 SpecialJt=Yes GUID=2701e961-a165-4c7c-9616-ee1fd80fad4c
Joint=95 CoordSys=GLOBAL CoordType=Cartesian XorR=-2.31688053593198 Y=5.15118968958591 Z=-0.713738678069909 SpecialJt=Yes GUID=41eefdd8-a885-44c0-b992-f0016fda3698
Joint=96 CoordSys=GLOBAL CoordType=Cartesian XorR=-2.30512595603762 Y=3.4533883215487 Z=-0.713738678069909 SpecialJt=Yes GUID=4750c5d8-37e1-4fe6-b6b9-ee8b768e85a2
Joint=97 CoordSys=GLOBAL CoordType=Cartesian XorR=9.7006353931129 Y=5.14634814153388 Z=-0.713738678069909 SpecialJt=Yes GUID=66da1446-78ac-49df-ab8a-70c9fba69fff
Joint=98 CoordSys=GLOBAL CoordType=Cartesian XorR=9.71267843633621 Y=3.44705610693789 Z=-0.713738678069909 SpecialJt=Yes GUID=2e9a7efb-f23e-422d-a864-d51acd389403
Joint=99 CoordSys=GLOBAL CoordType=Cartesian XorR=15.5425757576863 Y=3.45448721170377 Z=-0.713738678069909 SpecialJt=Yes GUID=53d50dc7-f9f4-44de-ad5c-bd5be231ead0
Joint=100 CoordSys=GLOBAL CoordType=Cartesian XorR=-11.4292424081936 Y=5.15090292560346 Z=-0.713738678069909 SpecialJt=Yes GUID=795e7630-bae9-4d54-b843-3147c9aacb54
Joint=101 CoordSys=GLOBAL CoordType=Cartesian XorR=-11.4127170755919 Y=3.455123812081209 Z=-0.713738678069909 SpecialJt=Yes GUID=64a8a37c-b5a7-42da-87f5-b7f2c45b2407
Joint=102 CoordSys=GLOBAL CoordType=Cartesian XorR=0.572057827397163 Y=5.14989463875797 Z=-0.713738678069909 SpecialJt=Yes GUID=3c6c6a13-bf10-40fb-b4e9-62402aaae5e2
Joint=103 CoordSys=GLOBAL CoordType=Cartesian XorR=0.590083217580019 Y=3.45209202447122 Z=-0.713738678069909 SpecialJt=Yes GUID=afb9d313-6d06-489c-94f6-2f054c7a00f1
Joint=104 CoordSys=GLOBAL CoordType=Cartesian XorR=12.6069924100155 Y=5.15007242616425 Z=-0.713738678069909 SpecialJt=Yes GUID=9cc8d56a-cfb8-4c44-a5a3-7b78e381512f
Joint=105 CoordSys=GLOBAL CoordType=Cartesian XorR=12.6235300599231 Y=3.455047041070589 Z=-0.713738678069909 SpecialJt=Yes GUID=1c16f4a3-94d4-40aa-b3eb-e529e2d6b173
Joint=106 CoordSys=GLOBAL CoordType=Cartesian XorR=-17.2850133045367 Y=5.15040423559807 Z=-0.713738678069909 SpecialJt=Yes GUID=67fb2889-7289-4d5c-93bc-4bc916706fec
Joint=107 CoordSys=GLOBAL CoordType=Cartesian XorR=-17.2681025937056 Y=3.45310438320657 Z=-0.713738678069909 SpecialJt=Yes GUID=3ff75574-eaab-4090-8a71-4263f7b249a0
Joint=108 CoordSys=GLOBAL CoordType=Cartesian XorR=18.5188222285782 Y=3.45828204577135 Z=-0.713738678069909 SpecialJt=Yes GUID=196a98e0-fe85-4241-9ef9-0c20b6bc85de
Joint=113 CoordSys=GLOBAL CoordType=Cartesian XorR=-14.312101858316 Y=1.75540438320656 Z=-0.713738678069909 SpecialJt=Yes GUID=5b0e9465-27f1-4b2d-b843-32e6caf580cb
Joint=114 CoordSys=GLOBAL CoordType=Cartesian XorR=-14.3001788769496 Y=0.047804370214604 Z=-0.713738678069909 SpecialJt=Yes GUID=0b2fdf34-e6f7-4651-af9a-3ccbe787f6d
Joint=115 CoordSys=GLOBAL CoordType=Cartesian XorR=-14.2887076073364 Y=-1.65569424978433 Z=-0.713738678069909 SpecialJt=Yes GUID=31e39e2f-3710-428c-a4de-8338b921fce0
Joint=116 CoordSys=GLOBAL CoordType=Cartesian XorR=-11.3962298340982 Y=1.75540438320655 Z=-0.713738678069909 SpecialJt=Yes GUID=4d941f6e-4a9d-4a20-b775-eb8f76648594
Joint=117 CoordSys=GLOBAL CoordType=Cartesian XorR=-11.379553658462 Y=0.0478043832065523 Z=-0.713738678069909 SpecialJt=Yes GUID=76abafcd-c0cd-4abe-a9d2-b3bfc6d1bcb1

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Joint=118	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-11.3630260978099	Y=-1.65569424978434	Z=-0.713738678069909	SpecialJt=Yes	GUID=8bbd3be8-7fbd-4d74-b790-1a5697385d59
Joint=119	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-17.2519398795964	Y=1.75540438320657	Z=-0.713738678069909	SpecialJt=Yes	GUID=3726ec9e-a27e-4604-97cf-1397ea1b9e65
Joint=120	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-17.2350474724013	Y=0.0482079828953322	Z=-0.713738678069909	SpecialJt=Yes	GUID=03f52cd8-4c9a-42d5-9bcc-892e9fcb1584
Joint=121	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-17.2188561044381	Y=-1.65569424978432	Z=-0.713738678069909	SpecialJt=Yes	GUID=68fdd337-2468-4159-afd5-dc4ca28fcf7a
Joint=122	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-11.4211567247429	Y=3.45310438320655	Z=-0.713738678069909	SpecialJt=Yes	GUID=37918563-09f9-4545-ac6d-1216dd565b1a
Joint=126	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-2.29335613243524	Y=1.75572525375812	Z=-0.713738678069909	SpecialJt=Yes	GUID=645ad949-59c3-4841-b510-ee3fee3b7910
Joint=127	CoordSys=GLOBAL	CoordType=Cartesian	XorR=0.608156849826094	Y=1.75437534187924	Z=-0.713738678069909	SpecialJt=Yes	GUID=066ea89a-2d56-4a61-9b99-77b0103c61df
Joint=128	CoordSys=GLOBAL	CoordType=Cartesian	XorR=0.625862231621703	Y=0.046784805712054	Z=-0.713738678069909	SpecialJt=Yes	GUID=374b31b5-7d44-4f67-ac9a-93f69512f1b8
Joint=129	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-2.28165928139336	Y=0.0480933017447754	Z=-0.713738678069909	SpecialJt=Yes	GUID=0099b075-7eb5-4d5f-83fe-948a1898a0a5
Joint=130	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-2.26982173249583	Y=-1.65537349443861	Z=-0.713738678069909	SpecialJt=Yes	GUID=038a2b08-dcf9-49b0-aa07-d0b2e8271727
Joint=131	CoordSys=GLOBAL	CoordType=Cartesian	XorR=0.644538169864647	Y=-1.65667840925486	Z=-0.713738678069909	SpecialJt=Yes	GUID=d18252ff-8de7-4139-84ae-f9243552711b
Joint=135	CoordSys=GLOBAL	CoordType=Cartesian	XorR=9.72422680613688	Y=1.75086997321867	Z=-0.713738678069909	SpecialJt=Yes	GUID=3c26ac77-e126-4b99-9a18-f2ac11de893e
Joint=136	CoordSys=GLOBAL	CoordType=Cartesian	XorR=9.73602855293419	Y=0.043287578591914	Z=-0.713738678069909	SpecialJt=Yes	GUID=29596dbd-5b9b-4623-afda-3954fb519fe4
Joint=137	CoordSys=GLOBAL	CoordType=Cartesian	XorR=12.6565754139131	Y=0.0470088240294154	Z=-0.713738678069909	SpecialJt=Yes	GUID=276b43a5-b3c2-4f93-9d25-bf88802d45aa
Joint=138	CoordSys=GLOBAL	CoordType=Cartesian	XorR=12.6732055835396	Y=-1.65646409132315	Z=-0.713738678069909	SpecialJt=Yes	GUID=f85fe4fe-47da-46e7-b253-0ed88852d581
Joint=139	CoordSys=GLOBAL	CoordType=Cartesian	XorR=9.74781273364857	Y=-1.66019773572041	Z=-0.713738678069909	SpecialJt=Yes	GUID=e1f2a5c7-f18d-4806-a1dd-0ee7572c3299
Joint=140	CoordSys=GLOBAL	CoordType=Cartesian	XorR=12.6400758051806	Y=1.75458736198496	Z=-0.713738678069909	SpecialJt=Yes	GUID=a386664d-4b30-4219-b5f5-ab7cbb906606
Joint=141	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-5.41316750446845	Y=5.15104703639622	Z=-0.713738678069909	SpecialJt=No	GUID=e4649c33-d1f7-4715-af78-23c6d2d10f46
Joint=142	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-5.40143427725777	Y=3.45324635237762	Z=-0.713738678069909	SpecialJt=No	GUID=ad2ae47f6-7b1c-4218-b4e3-56ba51cb6674
Joint=143	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-5.389909672202	Y=1.75556481848233	Z=-0.713738678069909	SpecialJt=No	GUID=8042ef9c-b763-48fd-a861-cdb4df47ee6a
Joint=144	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-5.37810832185633	Y=0.0479488424756591	Z=-0.713738678069909	SpecialJt=No	GUID=7c807b07-36f4-415a-b7c3-b7c22b1004ee
Joint=145	CoordSys=GLOBAL	CoordType=Cartesian	XorR=-5.36611963877154	Y=-1.65553387211148	Z=-0.713738678069909	SpecialJt=No	GUID=385e6d56-d9ee-4447-afdc-094020469134
Joint=146	CoordSys=GLOBAL	CoordType=Cartesian	XorR=6.60281250225654	Y=5.14746400438406	Z=-0.713738678069909	SpecialJt=No	GUID=2e1970f-5b2a-4471-b600-2243ded95ad6
Joint=147	CoordSys=GLOBAL	CoordType=Cartesian	XorR=6.61951238865791	Y=3.4489216117831	Z=-0.713738678069909	SpecialJt=No	GUID=6067b853-1600-4ec4-b9de-3ac7e276b355
Joint=148	CoordSys=GLOBAL	CoordType=Cartesian	XorR=6.6312131603621	Y=1.75197020014083	Z=-0.713738678069909	SpecialJt=No	GUID=2e6fa276-f6cb-4b6d-8a2e-5ed1bee0d348
Joint=149	CoordSys=GLOBAL	CoordType=Cartesian	XorR=6.64297927786317	Y=0.0443646086168706	Z=-0.713738678069909	SpecialJt=No	GUID=e0132cb2-bea1-424a-b7a0-c4b2a9a8530c
Joint=150	CoordSys=GLOBAL	CoordType=Cartesian	XorR=6.65480039184963	Y=-1.65911018417706	Z=-0.713738678069909	SpecialJt=No	GUID=68bd85df-e246-4b0c-84d0-4457f8fcbf5e

TABLE: "JOINT PATTERN DEFINITIONS"

Pattern=Default

TABLE: "JOINT RESTRAINT ASSIGNMENTS"

Joint=65	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=75	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=81	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=87	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=106	U1=Yes	U2=Yes	U3=Yes	R1=No	R2=No	R3=No
Joint=107	U1=Yes	U2=Yes	U3=Yes	R1=No	R2=No	R3=No
Joint=108	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=119	U1=Yes	U2=Yes	U3=Yes	R1=No	R2=No	R3=No
Joint=120	U1=Yes	U2=Yes	U3=Yes	R1=No	R2=No	R3=No
Joint=121	U1=Yes	U2=Yes	U3=Yes	R1=No	R2=No	R3=No
Joint=141	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=142	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=143	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=144	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=145	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=146	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=147	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=148	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=149	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No
Joint=150	U1=No	U2=No	U3=Yes	R1=No	R2=No	R3=No

TABLE: "LANE DEFINITION DATA"

Lane=PATH1	LaneFrom=Frame	Frame=478321	Width=0	Offset=0	LoadGroup=Default	DiscAlong=3	DiscAcross=3	DiscSpan=No	DiscLane=Yes	DiscLaneFac=10	LeftType=Interior
RightType=Interior	Color=Gray8Dark										
Lane=PATH1	LaneFrom=Frame	Frame=478428	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH1	LaneFrom=Frame	Frame=478484	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH1	LaneFrom=Frame	Frame=405856	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH1	LaneFrom=Frame	Frame=482853	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH1	LaneFrom=Frame	Frame=482940	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH1	LaneFrom=Frame	Frame=405447	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH1	LaneFrom=Frame	Frame=485333	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH1	LaneFrom=Frame	Frame=485404	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH1	LaneFrom=Frame	Frame=485469	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH1	LaneFrom=Frame	Frame=404633	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH2	LaneFrom=Frame	Frame=481188	Width=0	Offset=0	LoadGroup=Default	DiscAlong=3	DiscAcross=3	DiscSpan=No	DiscLane=Yes	DiscLaneFac=10	LeftType=Interior
RightType=Interior	Color=4227327										
Lane=PATH2	LaneFrom=Frame	Frame=481254	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH2	LaneFrom=Frame	Frame=481341	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH2	LaneFrom=Frame	Frame=406272	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH2	LaneFrom=Frame	Frame=483405	Width=0	Offset=0	LoadGroup=Default						
Lane=PATH2	LaneFrom=Frame	Frame=483325	Width=0	Offset=0	LoadGroup=Default						

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Lane=PATH2 LaneFrom=Frame Frame=483221 Width=0 Offset=0 LoadGroup=Default
Lane=PATH2 LaneFrom=Frame Frame=406270 Width=0 Offset=0 LoadGroup=Default
Lane=PATH2 LaneFrom=Frame Frame=485574 Width=0 Offset=0 LoadGroup=Default
Lane=PATH2 LaneFrom=Frame Frame=485625 Width=0 Offset=0 LoadGroup=Default
Lane=PATH2 LaneFrom=Frame Frame=485657 Width=0 Offset=0 LoadGroup=Default
Lane=PATH2 LaneFrom=Frame Frame=427002 Width=0 Offset=0 LoadGroup=Default
Lane=PATH3 LaneFrom=Frame Frame=481545 Width=0 Offset=0 LoadGroup=Default DiscAlong=3 DiscAcross=3 DiscSpan=No DiscLane=Yes DiscLaneFac=10 LeftType=Interior
RightType=Interior Color=Green
Lane=PATH3 LaneFrom=Frame Frame=481490 Width=0 Offset=0 LoadGroup=Default
Lane=PATH3 LaneFrom=Frame Frame=481390 Width=0 Offset=0 LoadGroup=Default
Lane=PATH3 LaneFrom=Frame Frame=406356 Width=0 Offset=0 LoadGroup=Default
Lane=PATH3 LaneFrom=Frame Frame=483521 Width=0 Offset=0 LoadGroup=Default
Lane=PATH3 LaneFrom=Frame Frame=483604 Width=0 Offset=0 LoadGroup=Default
Lane=PATH3 LaneFrom=Frame Frame=483757 Width=0 Offset=0 LoadGroup=Default
Lane=PATH3 LaneFrom=Frame Frame=406354 Width=0 Offset=0 LoadGroup=Default
Lane=PATH3 LaneFrom=Frame Frame=485854 Width=0 Offset=0 LoadGroup=Default
Lane=PATH3 LaneFrom=Frame Frame=406352 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=481580 Width=0 Offset=0 LoadGroup=Default DiscAlong=3 DiscAcross=3 DiscSpan=No DiscLane=Yes DiscLaneFac=10 LeftType=Interior
RightType=Interior Color=Cyan
Lane=PATH4 LaneFrom=Frame Frame=481631 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=481717 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=406388 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=484172 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=484059 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=483993 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=406386 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=485943 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=486088 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=486331 Width=0 Offset=0 LoadGroup=Default
Lane=PATH4 LaneFrom=Frame Frame=406384 Width=0 Offset=0 LoadGroup=Default

TABLE: "LOAD CASE DEFINITIONS"

Case=PROPRIO Type=LinStatic InitialCond=Zero DesTypeOpt="Prog Det" DesignType=Dead DesActOpt="Prog Det" DesignAct=Non-Composite AutoType=None RunCase=Yes GUID=40353e55-3449-4b47-81d2-25cd497ad770
Case=MODAL Type=LinModal InitialCond=Zero DesTypeOpt="Prog Det" DesignType=Other DesActOpt="Prog Det" DesignAct=Other AutoType=None RunCase=No GUID=d7c93e9f-9f1d-4f3c-9793-e0a9c41c1c8d
Case=PORTATO Type=LinStatic InitialCond=Zero DesTypeOpt="Prog Det" DesignType=Dead DesActOpt="Prog Det" DesignAct=Non-Composite AutoType=None RunCase=Yes GUID=ed137902-cdb6-4d6e-ad62-9dde92e15593
Case=TRAFFICO_LC1 Type=LinMSSStat InitialCond=Zero DesTypeOpt="Prog Det" DesignType="Vehicle Live" DesActOpt="Prog Det" DesignAct="Short-Term Composite" AutoType=None RunCase=Yes GUID=7423cf1c-672a-427c-9291-87b997bc937d
Case=TRAFFICO_LC2 Type=LinMSSStat InitialCond=Zero DesTypeOpt="Prog Det" DesignType="Vehicle Live" DesActOpt="Prog Det" DesignAct="Short-Term Composite" AutoType=None RunCase=Yes GUID=daaf888d-cb97-4b3b-b5be-1b2956ac5433
Case=TRAFFICO_DIST1 Type=LinStatic InitialCond=Zero DesTypeOpt="Prog Det" DesignType=Live DesActOpt="Prog Det" DesignAct="Short-Term Composite" AutoType=None RunCase=Yes GUID=b334283f-3e1d-489d-aefb-afbbc31aaf7d
Case=TRAFFICO_DIST2 Type=LinStatic InitialCond=Zero DesTypeOpt="Prog Det" DesignType=Live DesActOpt="Prog Det" DesignAct="Short-Term Composite" AutoType=None RunCase=Yes GUID=b3825761-c326-49a8-9449-07b3442bde9f
Case=FOLLA Type=LinStatic InitialCond=Zero DesTypeOpt="Prog Det" DesignType=Live DesActOpt="Prog Det" DesignAct="Short-Term Composite" AutoType=None RunCase=Yes GUID=9b5f2615-2529-41d8-ac93-0026912688a8

TABLE: "LOAD PATTERN DEFINITIONS"

LoadPat=PROPRIO DesignType=Dead SelfWtMult=1 GUID=8ffb8126-b725-4d6a-b0cb-9752fc676ac8
LoadPat=PORTATO DesignType=Dead SelfWtMult=0 GUID=1695bfd4-6cae-4d39-bf54-d066dae7439 Notes="Added 31/07/2022 21:10:08"
LoadPat=TRAFFICO_LC1 DesignType="Vehicle Live" SelfWtMult=0 GUID=5fba6eab-00b4-48d3-865e-4d71c18af3d1 Notes="Added 31/07/2022 21:13:02"
LoadPat=TRAFFICO_LC2 DesignType="Vehicle Live" SelfWtMult=0 GUID=5fba6eab-00b4-48d3-865e-4d71c18af3d1 Notes="Added 31/07/2022 21:13:40"
LoadPat=TRAFFICO_DIST1 DesignType=Live SelfWtMult=0 GUID=daadf805-8fea-46fd-9da5-2291f9aee138 Notes="Added 31/07/2022 21:16:10"
LoadPat=TRAFFICO_DIST2 DesignType=Live SelfWtMult=0 GUID=7ee54166-e97b-404f-867d-e302b1caa33b Notes="Added 31/07/2022 21:16:14"
LoadPat=FOLLA DesignType=Live SelfWtMult=0 GUID=50e8eacc-598c-4b02-b3a1-b7d36f7ad7a2 Notes="Added 31/07/2022 21:16:56"

TABLE: "MASS SOURCE"

MassSource=MSSSRC1 Elements=Yes Masses=Yes Loads=No IsDefault=Yes

TABLE: "MATERIAL PROPERTIES 01 - GENERAL"

Material=4000Psi Type=Concrete Grade="f'c 4000 psi" SymType=Isotropic TempDepend=No Color=Magenta GUID=ae821a8f-6c02-4c37-83a5-2745cf088f2e Notes="Customary f'c 4000 psi 20/01/2022 17:27:32"
Material=A416Gr270 Type=Tendon Grade="Grade 270" SymType=Uniaxial TempDepend=No Color=Magenta GUID=7cdf58fd-1573-4e50-bee2-0a2f5d44e146 Notes="ASTM A416 Grade 270 31/07/2022 20:32:26"
Material=A615Gr60 Type=Rebar Grade="Grade 60" SymType=Uniaxial TempDepend=No Color=Red GUID=003e8350-3cf7-492c-83fd-9c2a7e473e30 Notes="ASTM A615 Grade 60 20/01/2022 17:32:30"
Material=A992Fy50 Type=Steel Grade="Grade 50" SymType=Isotropic TempDepend=No Color=Red Notes="ASTM A992 Grade 50 20/01/2022 17:27:32"
Material="Calcestruzzo, gettato in opera" Type=Concrete SymType=Isotropic TempDepend=No Color=Gray8Dark
Material="Calcestruzzo, Gettato in opera, Grigio" Type=Concrete SymType=Isotropic TempDepend=No Color=White
Material="Default - Calcestruzzo" Type=Other SymType=Isotropic TempDepend=No Color=Yellow

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TABLE: "MATERIAL PROPERTIES 02 - BASIC MECHANICAL PROPERTIES"

Material=4000Psi UnitWeight=23.5631216161854 UnitMass=2.40276960558926 E1=24855578.0600518 G12=10356490.8583549 U12=0.2 A1=9.89999952793124E-06
Material=A416Gr270 UnitWeight=76.9728639422648 UnitMass=7.84904737995992 E1=196500599.8512 A1=1.16999994421006E-05
Material=A615Gr60 UnitWeight=76.9728639422648 UnitMass=7.84904737995992 E1=199947978.795958 A1=1.16999994421006E-05
Material=A992Fy50 UnitWeight=76.9728639422648 UnitMass=7.84904737995992 E1=199947978.795958 G12=76903068.767676 U12=0.3 A1=1.16999994421006E-05
Material="Calcestruzzo, gettato in opera" UnitWeight=23.5992125005275 UnitMass=2.40644991104857 E1=20499999.0782835 G12=8541666.28261811 U12=0.2 A1=9.99999952316286E-06
Material="Calcestruzzo, Gettato in opera, Grigio" UnitWeight=23.6076267892835 UnitMass=2.40730792969762 E1=23249998.9546386 G12=9961439.14080486 U12=0.167 A1=9.99999952316286E-06
Material="Default - Calcestruzzo" UnitWeight=0.0769728538238237 UnitMass=0.00784904654057225 E1=199947952.511866 G12=76903058.6584099 U12=0.3 A1=0

TABLE: "MATERIAL PROPERTIES 03A - STEEL DATA"

Material=A992Fy50 Fy=344737.894475789 Fu=448159.262818526 EffFy=379211.683923368 EffFu=492975.189100378 SSCurveOpt=Simple SSHysType=Kinematic SHard=0.015 SMax=0.11 SRup=0.17 FinalSlope=-0.1 CoupModType="Von Mises"

TABLE: "MATERIAL PROPERTIES 03B - CONCRETE DATA"

Material=4000Psi Fc=27579.0315580631 eFc=27579.0315580631 LtWtConc=No SSCurveOpt=Mander SSHysType=Takeda SFc=0.00221914 SCap=0.005 FinalSlope=-0.1 FAngle=0 DAngle=0 CoupModType="Modified Darwin-Pecknold"
Material="Calcestruzzo, gettato in opera" Fc=9999.99955038217 eFc=9999.99955038217 LtWtConc=No SSCurveOpt=Mander SSHysType=Takeda SFc=0.00221914221766202 SCap=0.005 FinalSlope=-0.1 FAngle=0 DAngle=0 CoupModType="Modified Darwin-Pecknold"
Material="Calcestruzzo, Gettato in opera, Grigio" Fc=24132.9369249401 eFc=24132.9369249401 LtWtConc=No SSCurveOpt=Mander SSHysType=Takeda SFc=0.00221914221766202 SCap=0.005 FinalSlope=-0.1 FAngle=0 DAngle=0 CoupModType="Modified Darwin-Pecknold"

TABLE: "MATERIAL PROPERTIES 03E - REBAR DATA"

Material=A615Gr60 Fy=413685.473370947 Fu=620528.21005642 EffFy=455054.020708041 EffFu=682581.031062062 SSCurveOpt=Simple SSHysType=Kinematic SHard=0.01 SCap=0.09 FinalSlope=-0.1 UseCTDef=No CoupModType="Von Mises"

TABLE: "MATERIAL PROPERTIES 03F - TENDON DATA"

Material=A416Gr270 Fy=1689905.15872032 Fu=1861584.63016926 SSCurveOpt="270 ksi" SSHysType=Kinematic FinalSlope=-0.1 CoupModType="Von Mises"

TABLE: "MATERIAL PROPERTIES 03G - OTHER DATA"

Material="Default - Calcestruzzo" SSHysType=Takeda FAngle=0 DAngle=0 CoupModType=None

TABLE: "MATERIAL PROPERTIES 03J - COUPLED NONLINEAR VON MISES DATA"

Material=A416Gr270 YieldStress=1689905.15872032 LinIsoHard=No LinKinHard=No NLIsoSaHard=No
Material=A615Gr60 YieldStress=455054.020708041 LinIsoHard=No LinKinHard=No NLIsoSaHard=No
Material=A992Fy50 YieldStress=379211.683923368 LinIsoHard=No LinKinHard=No NLIsoSaHard=No

TABLE: "MATERIAL PROPERTIES 04 - USER STRESS-STRAIN CURVES"

Material="Default - Calcestruzzo" Strain=-5.00130152590913E-09 Stress=-1
Material="Default - Calcestruzzo" Strain=0 Stress=0 PointID=A
Material="Default - Calcestruzzo" Strain=5.00130152590913E-09 Stress=1

TABLE: "MATERIAL PROPERTIES 06 - DAMPING PARAMETERS"

Material=4000Psi ModalRatio=0 VisMass=0 VisStiff=0 HysMass=0 HysStiff=0
Material=A416Gr270 ModalRatio=0 VisMass=0 VisStiff=0 HysMass=0 HysStiff=0
Material=A615Gr60 ModalRatio=0 VisMass=0 VisStiff=0 HysMass=0 HysStiff=0
Material=A992Fy50 ModalRatio=0 VisMass=0 VisStiff=0 HysMass=0 HysStiff=0
Material="Calcestruzzo, gettato in opera" ModalRatio=0 VisMass=0 VisStiff=0 HysMass=0 HysStiff=0
Material="Calcestruzzo, Gettato in opera, Grigio" ModalRatio=0 VisMass=0 VisStiff=0 HysMass=0 HysStiff=0
Material="Default - Calcestruzzo" ModalRatio=0 VisMass=0 VisStiff=0 HysMass=0 HysStiff=0

TABLE: "MATERIAL PROPERTIES 09 - ACCEPTANCE CRITERIA"

Material=4000Psi IOTens=0.01 LSTens=0.02 CPTens=0.05 IOComp=-0.003 LSComp=-0.006 CPComp=-0.015 IgnoreTens=Yes
Material=A416Gr270 IOTens=0.015 LSTens=0.023 CPTens=0.03 IOComp=-0.015 LSComp=-0.023 CPComp=-0.03
Material=A615Gr60 IOTens=0.01 LSTens=0.02 CPTens=0.05 IOComp=-0.005 LSComp=-0.01 CPComp=-0.02
Material=A992Fy50 IOTens=0.01 LSTens=0.02 CPTens=0.05 IOComp=-0.005 LSComp=-0.01 CPComp=-0.02
Material="Calcestruzzo, gettato in opera" IOTens=0.01 LSTens=0.02 CPTens=0.05 IOComp=-0.003 LSComp=-0.006 CPComp=-0.015 IgnoreTens=Yes
Material="Calcestruzzo, Gettato in opera, Grigio" IOTens=0.01 LSTens=0.02 CPTens=0.05 IOComp=-0.003 LSComp=-0.006 CPComp=-0.015 IgnoreTens=Yes
Material="Default - Calcestruzzo" IOTens=0.01 LSTens=0.02 CPTens=0.05 IOComp=-0.005 LSComp=-0.01 CPComp=-0.02 IgnoreTens=No

TABLE: "MULTI-STEP MOVING LOAD 1 - GENERAL"

LoadPat=TRAFFICO_LC1 LoadDur=20 LoadDisc=0.1
LoadPat=TRAFFICO_LC2 LoadDur=20 LoadDisc=0.1

TABLE: "MULTI-STEP MOVING LOAD 2 - VEHICLE DATA"

LoadPat=TRAFFICO_LC1 Vehicle=Corsia_1 Lane=PATH1 Station=0 StartTime=0 Direction=Forward Speed=10
LoadPat=TRAFFICO_LC1 Vehicle=Corsia_1 Lane=PATH2 Station=0 StartTime=0 Direction=Forward Speed=10
LoadPat=TRAFFICO_LC1 Vehicle=Corsia_2 Lane=PATH3 Station=0 StartTime=0 Direction=Forward Speed=10
LoadPat=TRAFFICO_LC1 Vehicle=Corsia_2 Lane=PATH4 Station=0 StartTime=0 Direction=Forward Speed=10
LoadPat=TRAFFICO_LC2 Vehicle=Corsia_1 Lane=PATH4 Station=0 StartTime=0 Direction=Forward Speed=10
LoadPat=TRAFFICO_LC2 Vehicle=Corsia_1 Lane=PATH3 Station=0 StartTime=0 Direction=Forward Speed=10
LoadPat=TRAFFICO_LC2 Vehicle=Corsia_2 Lane=PATH2 Station=0 StartTime=0 Direction=Forward Speed=10
LoadPat=TRAFFICO_LC2 Vehicle=Corsia_2 Lane=PATH1 Station=0 StartTime=0 Direction=Forward Speed=10

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TABLE: "OPTIONS - COLORS - DISPLAY"

DeviceType=Screen Points=168 LinesFrame=Blue LinesFrmDL=Blue LinesCable=Yellow LinesTendon=15089178 SpringLinks=Green Restraints=9241970 Releases=Green Axes=Cyan Text=Black ShadowLines=Gray8Dark GuideLines=Black _
Highlight=Red Selection=10504778 AreaFillBot=Black AreaFillTop=16744703 AreaFillSd=Red AreaEdge=Black SolidF1=Red SolidF2=Blue SolidF3=Green SolidF4=Yellow SolidF5=White SolidF6=Cyan SolidEdge=Black _
Floor=Gray4 Background=12698049 BGLowLeft=12698049 BGLowRight=12698049 BGUpRight=12698049 Darkness=0
DeviceType=Printer Points=Gray8Dark LinesFrame=Black LinesFrmDL=Gray4 LinesCable=Black LinesTendon=Black SpringLinks=Gray8Dark Restraints=Gray8Dark Releases=Gray4 Axes=Black Text=Black ShadowLines=Gray4 _
GuideLines=Gray4 Highlight=Black Selection=Black AreaFillBot=Gray4 AreaFillTop=Gray8Dark AreaFillSd=Gray4 AreaEdge=Black SolidF1=Gray1Light SolidF2=Gray2 SolidF3=Gray3 SolidF4=Gray4 SolidF5=Gray5 _
SolidF6=Gray6 SolidEdge=Black Floor=Gray4 Background=White BGLowLeft=White BGLowRight=White BGUpRight=White Darkness=0.5
DeviceType="Color Printer" Points=Blue LinesFrame=Blue LinesFrmDL=Blue LinesCable=Green LinesTendon=Green SpringLinks=Green Restraints=Green Releases=Green Axes=Cyan Text=Black ShadowLines=Gray8Dark _
GuideLines=Gray8Dark Highlight=Red Selection=10504778 AreaFillBot=Red AreaFillTop=16744703 AreaFillSd=Red AreaEdge=DarkRed SolidF1=Red SolidF2=Blue SolidF3=Green SolidF4=Yellow SolidF5=White SolidF6=Cyan _
SolidEdge=DarkRed Floor=Gray4 Background=White BGLowLeft=White BGLowRight=White BGUpRight=White Darkness=0.5

TABLE: "OPTIONS - COLORS - OUTPUT"

DeviceType=Screen Contour1=13107400 Contour2=6553828 Contour3=Red Contour4=16639 Contour5=Orange Contour6=43775 Contour7=54527 Contour8=Yellow Contour9=65408 Contour10=Green Contour11=8453888 Contour12=Cyan _
Contour13=16755200 Contour14=16733440 Contour15=Blue Transpare=0.5 Ratio1=Cyan Ratio2=Green Ratio3=Yellow Ratio4=Orange Ratio5=Red RatioNotD=Gray4 RatioNotC=Red RatioVal1=0.5 RatioVal2=0.7 RatioVal3=0.9 _
RatioVal4=1 DFillPos=Blue DFillNeg=Red DFillRPos=Green DFillRNeg=Green
DeviceType=Printer Contour1=Black Contour2=3158064 Contour3=4210752 Contour4=5263440 Contour5=6316128 Contour6=7368816 Contour7=Gray8Dark Contour8=Gray7 Contour9=Gray6 Contour10=Gray5 Contour11=Gray4 _
Contour12=Gray3 Contour13=Gray2 Contour14=Gray1Light Contour15=White Transpare=0 Ratio1=Gray2 Ratio2=Gray4 Ratio3=Gray8Dark Ratio4=4210752 Ratio5=Black RatioNotD=Gray4 RatioNotC=Black RatioVal1=0.5 _
RatioVal2=0.7 RatioVal3=0.9 RatioVal4=1 DFillPos=Gray8Dark DFillNeg=Gray8Dark DFillRPos=4210752 DFillRNeg=4210752
DeviceType="Color Printer" Contour1=13107400 Contour2=6553828 Contour3=Red Contour4=16639 Contour5=Orange Contour6=43775 Contour7=54527 Contour8=Yellow Contour9=65408 Contour10=Green Contour11=8453888 _
Contour12=Cyan Contour13=16755200 Contour14=16733440 Contour15=Blue Transpare=0 Ratio1=Cyan Ratio2=Green Ratio3=Yellow Ratio4=Orange Ratio5=Red RatioNotD=Gray4 RatioNotC=Red RatioVal1=0.5 RatioVal2=0.7 _
RatioVal3=0.9 RatioVal4=1 DFillPos=Blue DFillNeg=Red DFillRPos=Green DFillRNeg=Green

TABLE: "OVERWRITES - CONCRETE DESIGN - ACI 318-14"

Frame=404633 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=405447 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=405856 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406270 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406272 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406352 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406354 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406356 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406384 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406386 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406388 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406464 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406466 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=406468 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=407031 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=408237 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=408417 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0
Frame=408634 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0 DsMajor=0 DsMinor=0

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Frame=487837 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=487947 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=488048 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=495874 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=495903 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=496097 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=496156 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=496235 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=496286 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=496340 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=502656 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=16 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=17 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=18 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=19 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=36 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=37 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=38 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=40 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=7 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=1 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0
Frame=2 DesignSect="Program Determined" FrameType="Program Determined" RLLF=0 XLMajor=0 XLMinor=0 XKMajor=0 XKMinor=0 CmMajor=0 CmMinor=0 DnsMajor=0 DnsMinor=0
DsMajor=0 DsMinor=0

TABLE: "PREFERENCES - ALUMINUM DESIGN - AA 2015"

THDesign=Envelopes SRatioLimit=1 Provision=ASD LatFact=1.3333333333333333 UseLatFact=No Bridge=No OmegaTy=1.65 OmegaTr=1.95 OmegaC=1.65 OmegaBo=1.65 OmegaBr=1.95
OmegaVo=1.65 OmegaVr=1.95

TABLE: "PREFERENCES - CONCRETE SHELL DESIGN - EUROCODE 2-2004"

Country="CEN Default" GammaS=1.15 GammaC=1.5 AlphaCC=1

TABLE: "PREFERENCES - DIMENSIONAL"

MergeTol=0.001 FineGrid=0.25 Nudge=0.25 SelectTol=3 SnapTol=12 SLineThick=1 PLineThick=4 MaxFont=8 MinFont=3 AutoZoom=10 ShrinkFact=70 TextFileLen=240

TABLE: "PREFERENCES - STEEL DESIGN - AISC 360-16"

THDesign=Envelopes FrameType=SMF PatLLF=0.75 SRatioLimit=0.95 MaxIter=1 SDC=D SeisCode=No SeisLoad=No ImpFactor=1 SystemRho=1 SystemSds=0.5 SystemR=8 SystemCd=5.5
Omega0=3 Provision=LRFD _
AMethod="Direct Analysis" SOMethod="General 2nd Order" SRMethod="Tau-b Fixed" NLCoeff=0.002 PhiB=0.9 PhiC=0.9 PhiTY=0.9 PhiTF=0.75 PhiV=0.9 PhiVRolled=1 PhiVT=0.9
PlugWeld=Yes HSSWelding=ERW HSSReduceT=No _
CheckDefl=No DLRat=120 SDLandLLRat=120 LLRat=360 TotalRat=240 NetRat=240

TABLE: "PROGRAM CONTROL"

ProgramName=SAP2000 Version=24.0.0 CurrUnits="KN, m, C" SteelCode="AISC 360-16" ConcCode="ACI 318-14" AlumCode="AA 2015" ColdCode=AISI-ASD96 RegenHinge=Yes

TABLE: "PROJECT INFORMATION"

Item="Company Name" Data="Studio Micheloni srl"
Item="Client Name"
Item="Project Name"
Item="Project Number"
Item="Model Name"
Item="Model Description"
Item="Revision Number"

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Item="Frame Type"
Item=Engineer
Item=Checker
Item=Supervisor
Item="Issue Code"
Item="Design Code"

TABLE: "REBAR SIZES"

RebarID=#2	Area=3.2258E-05	Diameter=0.00635
RebarID=#3	Area=7.09675996154547E-05	Diameter=0.009525
RebarID=#4	Area=0.000129032001922727	Diameter=0.0127
RebarID=#5	Area=0.000199999601538181	Diameter=0.015875
RebarID=#6	Area=0.000283870398461819	Diameter=0.01905
RebarID=#7	Area=0.000387096015381813	Diameter=0.022225
RebarID=#8	Area=0.000509676413843632	Diameter=0.0254
RebarID=#9	Area=0.00064516	Diameter=0.0286512005329132
RebarID=#10	Area=0.00081935318769455	Diameter=0.0322579995155334
RebarID=#11	Area=0.00100644956308365	Diameter=0.0358139991521835
RebarID=#14	Area=0.00145161	Diameter=0.0430021989583969
RebarID=#18	Area=0.00258064	Diameter=0.0573277992248535
RebarID=10M	Area=0.000100000002655387	Diameter=0.011300000667572
RebarID=15M	Area=0.0002000000005310774	Diameter=0.0159999999403954
RebarID=20M	Area=0.0003000000017579794	Diameter=0.0194999997854233
RebarID=25M	Area=0.000500000022890568	Diameter=0.0252000016093254
RebarID=30M	Area=0.000700000008974075	Diameter=0.0299000008821487
RebarID=35M	Area=0.00100000004578114	Diameter=0.0357000011444092
RebarID=45M	Area=0.00150000010712624	Diameter=0.0437000003576279
RebarID=55M	Area=0.00250000007599831	Diameter=0.0564000033855438
RebarID=6d	Area=2.83000004149973E-05	Diameter=0.006000000166893
RebarID=8d	Area=5.0299999571375E-05	Diameter=0.0079999997019768
RebarID=10d	Area=7.85000013634562E-05	Diameter=0.00999999977350235
RebarID=12d	Area=0.000113000009249449	Diameter=0.012000000333786
RebarID=14d	Area=0.000154000010818839	Diameter=0.0140000008940697
RebarID=16d	Area=0.000201000015431643	Diameter=0.0159999999403954
RebarID=20d	Area=0.000314000005453825	Diameter=0.0199999995470047
RebarID=25d	Area=0.000491000008711815	Diameter=0.0250000001907349
RebarID=26d	Area=0.000531000029001236	Diameter=0.0259999997138977
RebarID=28d	Area=0.000616000043275356	Diameter=0.0280000017881393
RebarID=N12	Area=0.000113000009249449	Diameter=0.012000000333786
RebarID=N16	Area=0.000201000015431643	Diameter=0.0159999999403954
RebarID=N20	Area=0.000314000005453825	Diameter=0.0199999995470047
RebarID=N24	Area=0.000452000036997795	Diameter=0.024000000667572
RebarID=N28	Area=0.000616000043275356	Diameter=0.0280000017881393
RebarID=N32	Area=0.00080400006172657	Diameter=0.0319999998807907
RebarID=N36	Area=0.00102000001747131	Diameter=0.0360000001001358

TABLE: "SOLID PROPERTY DEFINITIONS"

SolidProp=Solid1 Material=4000Psi MatAngleA=0 MatAngleB=0 MatAngleC=0 InComp=Yes Color=Yellow

TABLE: "VEHICLES 2 - GENERAL VEHICLES 1 - GENERAL"

VehName=Corsia_1 StayInLane=No
VehName=Corsia_2 StayInLane=No

TABLE: "VEHICLES 3 - GENERAL VEHICLES 2 - LOADS"

VehName=Corsia_1 LoadType="Leading Load" InterUnif=0 InterAxle=150
VehName=Corsia_1 LoadType="Fixed Length" InterUnif=0 InterAxle=150 InterMinD=1.2
VehName=Corsia_1 LoadType="Trailing Load" InterUnif=0
VehName=Corsia_2 LoadType="Leading Load" InterUnif=0 InterAxle=100
VehName=Corsia_2 LoadType="Fixed Length" InterUnif=0 InterAxle=100 InterMinD=1.2
VehName=Corsia_2 LoadType="Trailing Load" InterUnif=0

TABLE: "VEHICLES 4 - VEHICLE CLASSES"

VehClass=Corsia_1 VehName=Corsia_1 ScaleFactor=1
VehClass=Corsia_2 VehName=Corsia_2 ScaleFactor=1

END TABLE DATA

2. Tabulati software Aztec Carl

Si riportano di seguito i tabulati di calcolo del modello agli elementi finiti elaborato con il software Aztec Carl in licenza allo Studio Micheloni Srl.

Progetto:	Ponte Masiera
Ditta:	Studio Micheloni Srl
Comune:	Provincia di Ravenna
Progettista:	Ing. Michelangelo Micheloni

Normative di riferimento

- Legge nr. 1086 del 05/11/1971.
Norme per la disciplina delle opere in conglomerato cementizio, normale e precompresso ed a struttura metallica.
- Legge nr. 64 del 02/02/1974.
Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.
- D.M. LL.PP. del 11/03/1988.
Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione.
- D.M. LL.PP. del 14/02/1992.
Norme tecniche per l'esecuzione delle opere in cemento armato normale e precompresso e per le strutture metalliche.
- D.M. 9 Gennaio 1996
Norme Tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato normale e precompresso e per le strutture metalliche
- D.M. 16 Gennaio 1996
Norme Tecniche relative ai 'Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi'
- D.M. 16 Gennaio 1996
Norme Tecniche per le costruzioni in zone sismiche
- Circolare Ministero LL.PP. 15 Ottobre 1996 N. 252 AA.GG./S.T.C.
Istruzioni per l'applicazione delle Norme Tecniche di cui al D.M. 9 Gennaio 1996
- Circolare Ministero LL.PP. 10 Aprile 1997 N. 65/AA.GG.
Istruzioni per l'applicazione delle Norme Tecniche per le costruzioni in zone sismiche di cui al D.M. 16 Gennaio 1996
- Norme Tecniche per le Costruzioni 2018 (D.M. 17 Gennaio 2018)
- Circolare 7 del 21/01/2019
Istruzioni per l'applicazione delle Nuove Norme Tecniche per le Costruzioni di cui al D.M. 17 gennaio 2018.

Richiami teorici

Determinazione della capacità portante

Il carico verticale che grava sul palo va confrontato con il valore di calcolo della resistenza verticale del palo stesso. Il problema che si pone, quindi, è quello di determinare la capacità portante del palo. Determinata la capacità portante, la resistenza di calcolo verticale del palo si ottiene applicando degli opportuni coefficienti di sicurezza.

La capacità portante di un palo viene valutata come somma di due contributi: portanza di base (o di punta) e portanza per attrito laterale lungo il fusto. Cioè si assume valida l'espressione:

$$Q_T = Q_P + Q_L - W_P$$

dove:

Q_T Portanza totale del palo;
 Q_P Portanza di base del palo;
 Q_L Portanza per attrito laterale del palo;
 W_P Peso proprio del palo.

Le due componenti Q_P e Q_L sono calcolate in modo indipendente fra loro. Risulta molto difficoltoso, tranne che in poche situazioni, stabilire quanta parte del carico viene assorbita per attrito laterale e quanta per resistenza alla base.

Nel caso di pali soggetti a trazione la resistenza allo sfilamento vale:

$$Q_T = Q_L + W_P$$

Dalla capacità portante del palo si ricava il carico ammissibile del palo Q_A applicando degli opportuni coefficienti di sicurezza rispettivamente γ_b e γ_s .

I coefficienti γ_b e γ_s rappresentano rispettivamente i valori del coefficiente di sicurezza per la portanza di punta e quello per la portanza laterale.

Quindi nel caso di pali compressi abbiamo la seguente relazione:

$$Q_A = Q_P/\gamma_b + Q_L/\gamma_s - W_P$$

Nel caso invece di pali soggetti a sforzi di trazione abbiamo la seguente relazione:

$$Q_A = Q_L/\gamma_s + W_P$$

Metodo di Bustamante e Doix

Nel caso di micropali la portanza per attrito laterale può essere valutata secondo le raccomandazioni pubblicate da Bustamante e Doix(1985), che richiedono la conoscenza della pressione limite orizzontale p_{lim} determinata attraverso il pressiometro Ménard o i risultati di una prova SPT. Gli altri parametri da considerare sono:

- tensione tangenziale unitaria lungo il fusto pari a $\tau = a_1 + a_2 p_{lim}$ dove a_1 e a_2 sono dei parametri funzione del tipo di terreno e delle modalità costruttive (iniezione singola o iniezioni ripetute);
- diametro di perforazione d_{perf} ;
- diametro della zona iniettata $d_{in} = \alpha d_{perf}$, dove α è funzione del tipo di terreno e delle modalità costruttive (iniezione singola o iniezioni ripetute);
- lunghezza della zona iniettata L_{in} .

In definitiva per la portanza per attrito laterale indicando con D il diametro e con L la lunghezza del palo abbiamo la seguente relazione:

$$Q_L = \int_0^L [\pi D (a_1 + a_2 p_{lim}) dz]$$

La capacità portante di punta nel caso di micropali secondo gli autori è data da un'aliquota (i) della capacità portante per attrito laterale:

$$Q_P = i Q_L$$

Analisi del palo soggetto a forze orizzontali (Portanza trasversale)

La resistenza limite laterale di un palo è determinata dal minimo valore fra il carico orizzontale necessario per produrre il collasso del terreno lungo il fusto del palo ed il carico orizzontale necessario per produrre la plasticizzazione del palo. Il primo meccanismo (plasticizzazione del terreno) si verifica nel caso di pali molto rigidi in terreni poco resistenti (meccanismo di palo corto) mentre il secondo meccanismo si verifica nel caso di pali aventi rigidità non eccessive rispetto al terreno di infissione (meccanismo di palo lungo o intermedio). Nel modello di terreno alla Winkler il terreno viene schematizzato come una serie di molle elastiche indipendenti fra di loro. Le molle che schematizzano il terreno vengono caratterizzate tramite una costante di rigidità elastica, K_h , espressa in Kg/cm²/cm che rappresenta la pressione (in Kg/cm²) che bisogna applicare per ottenere lo spostamento di 1 cm. La determinazione di questa costante

può essere fatta o tramite prove di carico su piastra o mediante metodi analitici (convenzionali). La variazione della costante di Winkler con la profondità dipende dal tipo di terreno in cui il palo è immerso. Ad esempio nel caso di terreni coesivi in condizioni non drenate K_h assume un valore costante con la profondità mentre nel caso di terreni incoerenti la variazione di K_h è di tipo lineare (crescente con la profondità). In generale l'espressione di K_h assume una forma binomia del tipo:

$$K_h(z) = A + B z^n$$

Per l'analisi di pali caricati trasversalmente si utilizza il modello di Winkler. Il palo viene suddiviso in un determinato numero (100) di elementi tipo trave aventi area ed inerzia pari a quella della sezione trasversale del palo. In corrispondenza di ogni nodo di separazione fra i vari elementi viene inserita una molla orizzontale di opportuna rigidità che schematizza il terreno. Il comportamento delle molle che schematizzano il terreno non è infinitamente elastico ma è di tipo elastoplastico. La singola molla reagisce fino ad un valore limite di spostamento o di reazione; una volta che è stato superato tale limite la molla non offre ulteriori incrementi di resistenza (diagramma tipo elastoplastico perfetto). Indicando con $d_{e,l}$ la lunghezza del tratto di influenza della molla, con D il diametro del palo la molla avrà una rigidità pari a:

$$K_m = d_{e,l} D K_k$$

La resistenza limite del terreno rappresenta il valore limite di resistenza che il terreno può esplicare quando il palo è soggetto ad un carico orizzontale. La resistenza limite $p_u = p_u(z)$ dipende dalle caratteristiche del terreno e dalla geometria del palo. In terreni puramente coesivi ($c=c_u$, $\phi=0$) la resistenza cresce dal valore 0 in sommità fino ad un valore limite in corrispondenza di una profondità pari a circa 3 diametri. Il valore limite in tal caso è variabile fra 8 e 12 c_u . Nel caso di terreni dotati di attrito e coesione la resistenza limite ad una generica profondità z è rappresentata dalla relazione (Brinch Hansen):

$$P_u = q K_{pq} + c K_{pc}$$

dove:

D diametro del palo

q pressione geostatica alla profondità z

c coesione alla profondità z

K_{pq} , K_{pc} coefficienti funzione dell'angolo di attrito del terreno ϕ e del rapporto z/D .

Broms ha eseguito l'analisi considerando il caso sia di palo vincolato in testa che di palo libero immerso in un mezzo omogeneo. Nel caso di terreni coesivi Broms assume in questo caso un diagramma di resistenza nullo fino ad una profondità pari a $1,5D$ e poi valore costante pari a $9c_u D$.

Nel caso di terreni incoerenti Broms assume che la resistenza laterale sia variabile con la profondità dal valore 0 (in testa) fino al valore $3\sigma_v K_p D$ (alla base) essendo K_p il coefficiente di resistenza passiva espresso da $K_p = \tan^2(45^\circ + \phi/2)$.

Dati

Geometria della fondazione

Simbologia adottata

<i>Descr</i>	Descrizione del palo
<i>Frm</i>	Forma del palo ((C)=Costante, (R)=Rastremato)
<i>X</i>	Ascissa del baricentro del palo espressa in [m]
<i>Y</i>	Ordinata del baricentro del palo espressa in [m]
<i>D</i>	Diametro del palo espresso in [cm]
<i>L</i>	Lunghezza del palo espressa in [m]

Descr	Frm	X [m]	Y [m]	D [cm]	L [m]
micropalo	(C)	0.00	0.00	25.00	10.00

Materiali palo

Acciaio

Tipo	S355	
Tensione caratteristica di snervamento	3619.93	[kg/cm ²]
Modulo elastico	2100000.00	[kg/cm ²]

Coefficienti di sicurezza sui materiali

Coefficiente di sicurezza acciaio	1.15
Coefficiente di sicurezza sezione	1.00

Caratteristiche pali

Pali in acciaio
 Armatura con ferri longitudinali e staffe
 Vincolo in testa di tipo INCASTRO
 Tipo di palo TRIVELLATO
 Contributo sia della portanza laterale sia della portanza di punta

Descrizione terreni e falda

Simbologia adottata

<i>Descrizione</i>	Descrizione terreno
γ	Peso di volume del terreno espresso in [kg/mc]
γ_{sat}	Peso di volume saturo del terreno espresso in [kg/mc]
f_s	tensione tangenziale Bustamante-Doix espressa in [kg/cm ²]
f_{smin}, f_{smed}	tensione tangenziale minima e media espressa in [kg/cm ²]
α	Coefficiente di espansione laterale

Parametri caratteristici

Descrizione	γ [kg/mc]	γ_{sat} [kg/mc]	f_s [kg/cm ²]	α
Terreno	1800.0	2000.0	0.5098	1.55

Parametri minimi

Descrizione	f_{smin} [kg/cm ²]
Terreno	0.5098

Parametri medi

Descrizione	f _{Smed} [kg/cm ²]
Terreno	0.5098

Caratteristiche del terreno secondo il metodo di Bustamante-Doix

N°	Descrizione	Tipo terreno	Tipo iniezione	p _{lim,CAR} [kg/cm ²]	p _{lim,MIN} [kg/cm ²]	p _{lim,MED} [kg/cm ²]
1	Terreno	Sabbia ghiaiosa	IRS - Iniezione ripetuta e selettiva	0.0000	0.0000	0.0000

Descrizione stratigrafia

Simbologia adottata

N	Identificativo strato
Z1	Quota dello strato in corrispondenza del punto di sondaggio n°1 espressa in [m]
Z2	Quota dello strato in corrispondenza del punto di sondaggio n°2 espressa in [m]
Z3	Quota dello strato in corrispondenza del punto di sondaggio n°3 espressa in [m]
Terreno	Terreno dello strato
Kw	Costante di Winkler espressa in Kg/cm ² /cm
α	Coefficiente di espansione laterale

n°	Z1 [m]	Z2 [m]	Z3 [m]	Terreno	Kw [kg/cm ² /cm]	α
1	-5.0	-5.0	-5.0	Terreno	10.00	1.10

Normativa

N.T.C. 2018

Simbologia adottata

γ _{Gsfav}	Coefficiente parziale sfavorevole sulle azioni permanenti
γ _{Gfav}	Coefficiente parziale favorevole sulle azioni permanenti
γ _{Qsfav}	Coefficiente parziale sfavorevole sulle azioni variabili
γ _{Qfav}	Coefficiente parziale favorevole sulle azioni variabili
γ _{tanφ'}	Coefficiente parziale di riduzione dell'angolo di attrito drenato
γ _{c'}	Coefficiente parziale di riduzione della coesione drenata
γ _{cu}	Coefficiente parziale di riduzione della coesione non drenata
γ _{qu}	Coefficiente parziale di riduzione del carico ultimo
γ _γ	Coefficiente parziale di riduzione della resistenza a compressione uniaassiale delle rocce

Coefficienti parziali per le azioni o per l'effetto delle azioni:

Carichi	Effetto		Statici		Sismici	
			A1	A2	A1	A2
Permanenti	Favorevole	γ _{Gfav}	1.00	1.00	1.00	1.00
Permanenti	Sfavorevole	γ _{Gsfav}	1.30	1.00	1.00	1.00
Variabili	Favorevole	γ _{Qfav}	0.00	0.00	0.00	0.00
Variabili	Sfavorevole	γ _{Qsfav}	1.35	1.30	1.00	1.00

Coefficienti parziali per i parametri geotecnici del terreno:

Parametri		Statici		Sismici	
		M1	M2	M1	M2
Tangente dell'angolo di attrito	γ _{tanφ'}	1.00	1.25	1.00	1.25
Coesione efficace	γ _{c'}	1.00	1.25	1.00	1.25
Resistenza non drenata	γ _{cu}	1.00	1.40	1.00	1.40
Peso dell'unità di volume	γ _γ	1.00	1.00	1.00	1.00

PALI DI FONDAZIONE

CARICHI VERTICALI. Coefficienti parziali γ_R per le verifiche dei pali

Pali trivellati

		R1	R2	R3
Punta	γ _b	1.00	1.70	1.35
Laterale compressione	γ _s	1.00	1.45	1.15
Totale compressione	γ _t	1.00	1.60	1.30
Laterale trazione	γ _{st}	1.00	1.60	1.25

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CARICHI TRASVERSALI. Coefficienti parziali γ_T per le verifiche dei pali.

	R1	R2	R3
γ_T	1.00	1.60	1.30

Coefficienti di riduzione ξ per la determinazione della resistenza caratteristica dei pali

Numero di verticali indagate 1 $\xi_3=1.70$ $\xi_4=1.70$

Condizioni di carico

Simbologia e convenzioni di segno adottate

Carichi verticali positivi verso il basso.

Carichi orizzontali positivi verso sinistra.

Momento positivo senso antiorario.

f_{nd} Indice della fondazione

N_{TOT} Sforzo normale totale espressa in [kg]

M_{YTOT} Momento in direzione Y espresso in [kgm]

T_{TOT} Forza di taglio espressa in [kg]

Condizione n° 1 - Condizione n° 1 - VARIABILE

Fondazione	N_{TOT} [kg]	M_{YTOT} [kgm]	T_{XTOT} [kg]
micropalo	2000.0	0.0	10521.0

Descrizione combinazioni di carico

Simbologia adottata

γ Coefficiente di partecipazione della condizione

ψ Coefficiente di combinazione della condizione

Combinazione n° 1 - A1-M1-R3

Cond	γ	ψ
Condizione n° 1	1.00	1.00

Opzioni di calcolo

Analisi in condizioni non drenate

Verifica della portanza assiale

Il metodo utilizzato per il calcolo della portanza verticale è: Bustamante-Doix.

E' stato richiesto di correggere l'angolo di attrito in funzione del tipo di palo (Trivellato/Infisso).

L'andamento della pressione verticale σ_v con la profondità, per il calcolo della portanza di punta, è stata definita come: Pressione geostatica.

Aliquota portanza di punta (i) = 15.00 %

Verifica della portanza trasversale

Costante di Winkler orizzontale definita COSTANTE

$K_h = 5.00$ [kg/cmq/cm]

Criterio di rottura palo-terreno: Pressione limite (Costante: $p_{lim} = 2.60$ [kg/mq])

Cedimento verticale in testa ai pali

Per il calcolo dei cedimenti è stato utilizzato il metodo degli Elementi Finiti.

Spostamento limite attrito laterale: 0.50 [cm]

Spostamento limite punta: 1.00 [cm]

Risultati

Verifica della portanza assiale

Simbologia adottata

cmb Identificativo della combinazione
 Pl_{min}, Pl_{med} Portanza laterale minima e media espressa in [kg]
 Pp_{min}, Pp_{med} Portanza di punta minima e media espressa in [kg]
 Pd Portanza di progetto espressa in [kg]
 N Scarico verticale in testa al palo espresso in [kg]
 η Coeff. di sicurezza per carichi verticali

cmb	Pl _{med} [kg]	Pp _{med} [kg]	Pl _{min} [kg]	Pp _{min} [kg]	Wp [kg]	Pd [kg]	N [kg]	η
1	62061	9309	62061	9309	509	35292	2000	17.646

Verifica della portanza trasversale

Simbologia adottata

cmb Identificativo della combinazione
 Td Taglio resistente di progetto in testa al palo, espresso in [kg]
 T Taglio agente in testa al palo, espresso in [kg]
 η=Td/T Coeff. di sicurezza per carichi orizzontali

cmb	Td [kg]	T [kg]	η
1	10682	10521	1.015

Spostamenti e pressioni in esercizio

Simbologia adottata

Nr. Identificativo sezione palo
 Y ordinata palo espressa in [cm]
 Ue spostamento in esercizio espresso in [cm]
 Pe pressione in esercizio espressa in [kg/cm²]

Combinazione n° 1

n°	Y [m]	Ue [cm]	Pe [kg/cm ²]	n°	Y [m]	Ue [cm]	Pe [kg/cm ²]	n°	Y [m]	Ue [cm]	Pe [kg/cm ²]
1	0.00	1.0810	2.600	2	0.10	1.0721	2.600	3	0.20	1.0505	2.600
4	0.30	1.0183	2.600	5	0.40	0.9773	2.600	6	0.50	0.9294	2.600
7	0.60	0.8760	2.600	8	0.70	0.8188	2.600	9	0.80	0.7591	2.600
10	0.90	0.6980	2.600	11	1.00	0.6367	2.600	12	1.10	0.5761	2.600
13	1.20	0.5169	2.584	14	1.30	0.4598	2.299	15	1.40	0.4053	2.027
16	1.50	0.3538	1.769	17	1.60	0.3056	1.528	18	1.70	0.2608	1.304
19	1.80	0.2195	1.098	20	1.90	0.1819	0.909	21	2.00	0.1477	0.739
22	2.10	0.1170	0.585	23	2.20	0.0897	0.448	24	2.30	0.0655	0.328
25	2.40	0.0444	0.222	26	2.50	0.0261	0.131	27	2.60	0.0105	0.053
28	2.70	-0.0027	-0.013	29	2.80	-0.0137	-0.068	30	2.90	-0.0226	-0.113
31	3.00	-0.0297	-0.149	32	3.10	-0.0352	-0.176	33	3.20	-0.0393	-0.196
34	3.30	-0.0421	-0.211	35	3.40	-0.0438	-0.219	36	3.50	-0.0446	-0.223
37	3.60	-0.0446	-0.223	38	3.70	-0.0439	-0.219	39	3.80	-0.0427	-0.213
40	3.90	-0.0410	-0.205	41	4.00	-0.0390	-0.195	42	4.10	-0.0368	-0.184
43	4.20	-0.0343	-0.172	44	4.30	-0.0318	-0.159	45	4.40	-0.0292	-0.146
46	4.50	-0.0266	-0.133	47	4.60	-0.0241	-0.120	48	4.70	-0.0216	-0.108
49	4.80	-0.0192	-0.096	50	4.90	-0.0169	-0.084	51	5.00	-0.0147	-0.074
52	5.10	-0.0127	-0.063	53	5.20	-0.0108	-0.054	54	5.30	-0.0091	-0.045
55	5.40	-0.0075	-0.038	56	5.50	-0.0061	-0.030	57	5.60	-0.0048	-0.024
58	5.70	-0.0037	-0.018	59	5.80	-0.0027	-0.013	60	5.90	-0.0018	-0.009
61	6.00	-0.0010	-0.005	62	6.10	-0.0004	-0.002	63	6.20	0.0002	0.001
64	6.30	0.0006	0.003	65	6.40	0.0010	0.005	66	6.50	0.0013	0.007
67	6.60	0.0015	0.008	68	6.70	0.0017	0.009	69	6.80	0.0018	0.009
70	6.90	0.0019	0.009	71	7.00	0.0019	0.010	72	7.10	0.0019	0.010
73	7.20	0.0019	0.009	74	7.30	0.0018	0.009	75	7.40	0.0018	0.009
76	7.50	0.0017	0.008	77	7.60	0.0016	0.008	78	7.70	0.0015	0.007
79	7.80	0.0014	0.007	80	7.90	0.0013	0.006	81	8.00	0.0012	0.006
82	8.10	0.0010	0.005	83	8.20	0.0009	0.005	84	8.30	0.0008	0.004
85	8.40	0.0007	0.004	86	8.50	0.0006	0.003	87	8.60	0.0005	0.003
88	8.70	0.0004	0.002	89	8.80	0.0004	0.002	90	8.90	0.0003	0.001
91	9.00	0.0002	0.001	92	9.10	0.0001	0.001	93	9.20	0.0001	0.000

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n°	Y	Ue	Pe	n°	Y	Ue	Pe	n°	Y	Ue	Pe
	[m]	[cm]	[kg/cmq]		[m]	[cm]	[kg/cmq]		[m]	[cm]	[kg/cmq]
94	9.30	0.0000	0.000	95	9.40	-0.0001	0.000	96	9.50	-0.0001	-0.001
97	9.60	-0.0002	-0.001	98	9.70	-0.0003	-0.001	99	9.80	-0.0003	-0.002
100	9.90	-0.0004	-0.002	101	10.00	-0.0005	-0.002	102			

Spostamenti e pressioni limiti

Simbologia adottata

Nr. Identificativo sezione palo
Y ordinata palo espressa in [cm]
Ur spostamento limite espresso in [cm]
Pr pressione limite espressa in [kg/cmq]

n°	Y	Ur	Pr	n°	Y	Ur	Pr	n°	Y	Ur	Pr
	[m]	[cm]	[kg/cmq]		[m]	[cm]	[kg/cmq]		[m]	[cm]	[kg/cmq]
1	0.00	2.5140	2.600	2	0.10	2.4971	2.600	3	0.20	2.4599	2.600
4	0.30	2.4038	2.600	5	0.40	2.3313	2.600	6	0.50	2.2450	2.600
7	0.60	2.1472	2.600	8	0.70	2.0400	2.600	9	0.80	1.9256	2.600
10	0.90	1.8058	2.600	11	1.00	1.6825	2.600	12	1.10	1.5573	2.600
13	1.20	1.4317	2.600	14	1.30	1.3071	2.600	15	1.40	1.1847	2.600
16	1.50	1.0656	2.600	17	1.60	0.9507	2.600	18	1.70	0.8409	2.600
19	1.80	0.7368	2.600	20	1.90	0.6390	2.600	21	2.00	0.5479	2.600
22	2.10	0.4638	2.319	23	2.20	0.3866	1.933	24	2.30	0.3165	1.583
25	2.40	0.2533	1.267	26	2.50	0.1968	0.984	27	2.60	0.1467	0.734
28	2.70	0.1028	0.514	29	2.80	0.0646	0.323	30	2.90	0.0318	0.159
31	3.00	0.0039	0.020	32	3.10	-0.0194	-0.097	33	3.20	-0.0385	-0.193
34	3.30	-0.0539	-0.269	35	3.40	-0.0659	-0.330	36	3.50	-0.0750	-0.375
37	3.60	-0.0814	-0.407	38	3.70	-0.0856	-0.428	39	3.80	-0.0877	-0.439
40	3.90	-0.0883	-0.441	41	4.00	-0.0874	-0.437	42	4.10	-0.0853	-0.427
43	4.20	-0.0824	-0.412	44	4.30	-0.0786	-0.393	45	4.40	-0.0744	-0.372
46	4.50	-0.0697	-0.348	47	4.60	-0.0648	-0.324	48	4.70	-0.0597	-0.298
49	4.80	-0.0545	-0.273	50	4.90	-0.0494	-0.247	51	5.00	-0.0445	-0.222
52	5.10	-0.0396	-0.198	53	5.20	-0.0350	-0.175	54	5.30	-0.0306	-0.153
55	5.40	-0.0265	-0.133	56	5.50	-0.0227	-0.114	57	5.60	-0.0192	-0.096
58	5.70	-0.0160	-0.080	59	5.80	-0.0130	-0.065	60	5.90	-0.0104	-0.052
61	6.00	-0.0080	-0.040	62	6.10	-0.0059	-0.030	63	6.20	-0.0041	-0.021
64	6.30	-0.0025	-0.013	65	6.40	-0.0012	-0.006	66	6.50	0.0000	0.000
67	6.60	0.0010	0.005	68	6.70	0.0018	0.009	69	6.80	0.0024	0.012
70	6.90	0.0029	0.015	71	7.00	0.0033	0.016	72	7.10	0.0035	0.018
73	7.20	0.0037	0.019	74	7.30	0.0038	0.019	75	7.40	0.0038	0.019
76	7.50	0.0038	0.019	77	7.60	0.0037	0.019	78	7.70	0.0036	0.018
79	7.80	0.0034	0.017	80	7.90	0.0032	0.016	81	8.00	0.0030	0.015
82	8.10	0.0028	0.014	83	8.20	0.0026	0.013	84	8.30	0.0024	0.012
85	8.40	0.0022	0.011	86	8.50	0.0019	0.010	87	8.60	0.0017	0.009
88	8.70	0.0015	0.007	89	8.80	0.0013	0.006	90	8.90	0.0011	0.005
91	9.00	0.0009	0.004	92	9.10	0.0007	0.003	93	9.20	0.0005	0.002
94	9.30	0.0003	0.001	95	9.40	0.0001	0.000	96	9.50	-0.0001	0.000
97	9.60	-0.0003	-0.001	98	9.70	-0.0005	-0.002	99	9.80	-0.0006	-0.003
100	9.90	-0.0008	-0.004	101	10.00	-0.0010	-0.005	102			

Sollecitazioni in esercizio

Simbologia adottata

Nr. Identificativo sezione
Y ordinata della sezione a partire dalla testa positiva verso il basso (in [m])
N sforzo normale espresso in [kg]
T taglio espresso in [kg]
M momento espresso in [kgm]

Combinazione n° 1

n°	Y	M	T	N	n°	Y	M	T	N
	[m]	[kgm]	[kg]	[kg]		[m]	[kgm]	[kg]	[kg]
1	0.00	7001.25	10520.99	2000.00	2	0.00	5981.65	9545.99	1983.27
3	0.20	5027.05	8895.99	1966.55	4	0.20	4137.45	8245.99	1949.82
5	0.40	3312.85	7595.99	1933.09	6	0.40	2553.25	6945.99	1916.37
7	0.60	1858.66	6295.99	1899.64	8	0.60	1229.06	5645.99	1882.91
9	0.80	664.46	4995.99	1866.19	10	0.80	164.86	4345.99	1849.46
11	1.00	-269.74	3695.99	1832.73	12	1.00	-639.34	3045.99	1816.01
13	1.20	-943.94	2399.89	1799.28	14	1.20	-1183.93	1825.15	1782.55
15	1.40	-1366.44	1318.51	1765.83	16	1.40	-1498.29	876.24	1749.10
17	1.60	-1585.92	494.25	1732.37	18	1.60	-1635.34	168.25	1715.64
19	1.80	-1652.17	-106.18	1698.92	20	1.80	-1641.55	-333.51	1682.19
21	2.00	-1608.20	-518.16	1665.46	22	2.00	-1556.38	-664.44	1648.74

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n°	Y	M	T	N	n°	Y	M	T	N
	[m]	[kgm]	[kg]	[kg]		[m]	[kgm]	[kg]	[kg]
23	2.20	-1489.94	-776.55	1632.01	24	2.20	-1412.28	-858.47	1615.28
25	2.40	-1326.44	-914.00	1598.56	26	2.40	-1235.04	-946.67	1581.83
27	2.60	-1140.37	-959.80	1565.10	28	2.60	-1044.39	-956.43	1548.38
29	2.80	-948.75	-939.35	1531.65	30	2.80	-854.81	-911.09	1514.92
31	3.00	-763.70	-873.91	1498.20	32	3.00	-676.31	-829.87	1481.47
33	3.20	-593.32	-780.75	1464.74	34	3.20	-515.25	-728.12	1448.02
35	3.40	-442.44	-673.36	1431.29	36	3.40	-375.10	-617.63	1414.56
37	3.60	-313.34	-561.94	1397.84	38	3.60	-257.14	-507.09	1381.11
39	3.80	-206.43	-453.78	1364.38	40	3.80	-161.06	-402.53	1347.66
41	4.00	-120.80	-353.78	1330.93	42	4.00	-85.43	-307.84	1314.20
43	4.20	-54.64	-264.92	1297.48	44	4.20	-28.15	-225.17	1280.75
45	4.40	-5.63	-188.65	1264.02	46	4.40	13.23	-155.38	1247.29
47	4.60	28.77	-125.30	1230.57	48	4.60	41.30	-98.34	1213.84
49	4.80	51.13	-74.39	1197.11	50	4.80	58.57	-53.30	1180.39
51	5.00	63.90	-34.91	1163.66	52	5.00	67.39	-19.05	1146.93
53	5.20	69.30	-5.54	1130.21	54	5.20	69.85	5.82	1113.48
55	5.40	69.27	15.20	1096.75	56	5.40	67.75	22.80	1080.03
57	5.60	65.47	28.80	1063.30	58	5.60	62.59	33.37	1046.57
59	5.80	59.25	36.69	1029.85	60	5.80	55.58	38.90	1013.12
61	6.00	51.69	40.16	996.39	62	6.00	47.68	40.62	979.67
63	6.20	43.62	40.38	962.94	64	6.20	39.58	39.58	946.21
65	6.40	35.62	38.32	929.49	66	6.40	31.79	36.68	912.76
67	6.60	28.12	34.76	896.03	68	6.60	24.64	32.64	879.31
69	6.80	21.38	30.37	862.58	70	6.80	18.34	28.01	845.85
71	7.00	15.54	25.62	829.13	72	7.00	12.98	23.22	812.40
73	7.20	10.66	20.87	795.67	74	7.20	8.57	18.58	778.94
75	7.40	6.71	16.37	762.22	76	7.40	5.08	14.27	745.49
77	7.60	3.65	12.29	728.76	78	7.60	2.42	10.44	712.04
79	7.80	1.38	8.72	695.31	80	7.80	0.50	7.14	678.58
81	8.00	-0.21	5.69	661.86	82	8.00	-0.78	4.39	645.13
83	8.20	-1.22	3.21	628.40	84	8.20	-1.54	2.17	611.68
85	8.40	-1.76	1.26	594.95	86	8.40	-1.88	0.47	578.22
87	8.60	-1.93	-0.21	561.50	88	8.60	-1.91	-0.77	544.77
89	8.80	-1.83	-1.22	528.04	90	8.80	-1.71	-1.58	511.32
91	9.00	-1.55	-1.83	494.59	92	9.00	-1.37	-2.00	477.86
93	9.20	-1.17	-2.07	461.14	94	9.20	-0.96	-2.06	444.41
95	9.40	-0.75	-1.96	427.68	96	9.40	-0.56	-1.79	410.96
97	9.60	-0.38	-1.53	394.23	98	9.60	-0.23	-1.19	377.50
99	9.80	-0.11	-0.78	360.78	100	9.80	-0.03	-0.29	344.05
101	10.00	0.00	-0.29	327.32	102				

Sollecitazioni limiti

Simbologia adottata

Nr.	Identificativo sezione
Y	ordinata della sezione a partire dalla testa positiva verso il basso (in [m])
Nr	sforzo normale espresso in [kg]
Tr	taglio espresso in [kg]
Mr	momento espresso in [kgm]

n°	Y	Mr	Tr	Nr	n°	Y	Mr	Tr	Nr
	[m]	[kgm]	[kg]	[kg]		[m]	[kgm]	[kg]	[kg]
1	0.00	11570.00	13887.05	71060.28	2	0.00	11570.00	13887.05	71060.28
3	0.20	8922.75	12262.05	69819.05	4	0.20	8922.75	12262.05	69819.05
5	0.40	6535.34	10962.05	68577.82	6	0.40	6535.34	10962.05	68577.82
7	0.60	4407.93	9662.06	67336.59	8	0.60	4407.93	9662.06	67336.59
9	0.80	2540.52	8362.06	66095.37	10	0.80	2540.52	8362.06	66095.37
11	1.00	933.10	7062.06	64854.14	12	1.00	933.10	7062.06	64854.14
13	1.20	-414.31	5762.06	63612.91	14	1.20	-414.31	5762.06	63612.91
15	1.40	-1501.72	4462.07	62371.68	16	1.40	-1501.72	4462.07	62371.68
17	1.60	-2329.13	3162.07	61130.46	18	1.60	-2329.13	3162.07	61130.46
19	1.80	-2896.55	1862.07	59889.23	20	1.80	-2896.55	1862.07	59889.23
21	2.00	-3203.96	562.07	58648.00	22	2.00	-3203.96	562.07	58648.00
23	2.20	-3258.41	-500.90	57406.77	24	2.20	-3258.41	-500.90	57406.77
25	2.40	-3118.66	-1213.18	56165.55	26	2.40	-3118.66	-1213.18	56165.55
27	2.60	-2851.43	-1642.62	54924.32	28	2.60	-2851.43	-1642.62	54924.32
29	2.80	-2510.05	-1851.86	53683.09	30	2.80	-2510.05	-1851.86	53683.09
31	3.00	-2135.71	-1896.50	52441.86	32	3.00	-2135.71	-1896.50	52441.86
33	3.20	-1758.83	-1824.17	51200.64	34	3.20	-1758.83	-1824.17	51200.64
35	3.40	-1400.73	-1674.40	49959.41	36	3.40	-1400.73	-1674.40	49959.41
37	3.60	-1075.22	-1478.91	48718.18	38	3.60	-1075.22	-1478.91	48718.18
39	3.80	-790.14	-1262.28	47476.95	40	3.80	-790.14	-1262.28	47476.95
41	4.00	-548.71	-1042.73	46235.73	42	4.00	-548.71	-1042.73	46235.73
43	4.20	-350.83	-833.13	44994.50	44	4.20	-350.83	-833.13	44994.50
45	4.40	-194.04	-641.88	43753.27	46	4.40	-194.04	-641.88	43753.27
47	4.60	-74.37	-473.81	42512.04	48	4.60	-74.37	-473.81	42512.04
49	4.80	12.93	-331.04	41270.82	50	4.80	12.93	-331.04	41270.82
51	5.00	72.96	-213.65	40029.59	52	5.00	72.96	-213.65	40029.59
53	5.20	110.73	-120.33	38788.36	54	5.20	110.73	-120.33	38788.36
55	5.40	130.96	-48.83	37547.13	56	5.40	130.96	-48.83	37547.13

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n°	Y	Mr	Tr	Nr	n°	Y	Mr	Tr	Nr
	[m]	[kgm]	[kg]	[kg]		[m]	[kgm]	[kg]	[kg]
57	5.60	137.89	3.57	36305.91	58	5.60	137.89	3.57	36305.91
59	5.80	135.18	39.82	35064.68	60	5.80	135.18	39.82	35064.68
61	6.00	125.92	62.85	33823.45	62	6.00	125.92	62.85	33823.45
63	6.20	112.61	75.42	32582.22	64	6.20	112.61	75.42	32582.22
65	6.40	97.21	80.01	31341.00	66	6.40	97.21	80.01	31341.00
67	6.60	81.20	78.79	30099.77	68	6.60	81.20	78.79	30099.77
69	6.80	65.67	73.57	28858.54	70	6.80	65.67	73.57	28858.54
71	7.00	51.32	65.83	27617.31	72	7.00	51.32	65.83	27617.31
73	7.20	38.60	56.74	26376.09	74	7.20	38.60	56.74	26376.09
75	7.40	27.72	47.19	25134.86	76	7.40	27.72	47.19	25134.86
77	7.60	18.76	37.82	23893.63	78	7.60	18.76	37.82	23893.63
79	7.80	11.64	29.07	22652.40	80	7.80	11.64	29.07	22652.40
81	8.00	6.23	21.23	21411.18	82	8.00	6.23	21.23	21411.18
83	8.20	2.34	14.44	20169.95	84	8.20	2.34	14.44	20169.95
85	8.40	-0.25	8.78	18928.72	86	8.40	-0.25	8.78	18928.72
87	8.60	-1.76	4.25	17687.49	88	8.60	-1.76	4.25	17687.49
89	8.80	-2.43	0.81	16446.27	90	8.80	-2.43	0.81	16446.27
91	9.00	-2.46	-1.58	15205.04	92	9.00	-2.46	-1.58	15205.04
93	9.20	-2.06	-2.97	13963.81	94	9.20	-2.06	-2.97	13963.81
95	9.40	-1.43	-3.43	12722.58	96	9.40	-1.43	-3.43	12722.58
97	9.60	-0.76	-2.97	11481.35	98	9.60	-0.76	-2.97	11481.35
99	9.80	-0.22	-1.62	10240.13	100	9.80	-0.22	-1.62	10240.13
101	10.00	0.00	-0.61	9619.51	102				

Diagramma Carico-Cedimento verticale

Simbologia adottata

N Carico sul palo espresso in [kg]
w Cedimento del palo espresso in [cm]

n°	N	w	n°	N	w	n°	N	w	n°	N	w
	[kg]	[cm]		[kg]	[cm]		[kg]	[cm]		[kg]	[cm]
1	7298	0.073	2	17976	0.179	3	33995	0.338	4	57103	0.578
5	65742	0.725	6	67236	0.822	7	68075	0.918	8	68913	1.014
9	70171	1.158	10	71371	1.296	11			12		

Diagramma Carico-Cedimento orizzontale

Simbologia adottata

N Carico sul palo espresso in [kg]
u Cedimento del palo espresso in [cm]

n°	N	u	n°	N	u	n°	N	u	n°	N	u
	[kg]	[cm]		[kg]	[cm]		[kg]	[cm]		[kg]	[cm]
1	10538	1.085	2	10546	1.088	3	10561	1.092	4	10617	1.108
5	10840	1.171	6	11621	1.424	7	13192	2.106	8	13198	2.109
9	13201	2.111	10	13214	2.118	11	13265	2.144	12	13461	2.249
13	13464	2.250	14	13465	2.251	15	13471	2.255	16	13495	2.268
17	13592	2.323	18	13594	2.324	19	13595	2.324	20	13599	2.327
21	13615	2.336	22	13679	2.371	23	13887	2.514	24		

Descrizione armature

La verifica delle sezioni è stata effettuata con il metodo degli stati limite ultimi.

Verifica armature pali

Simbologia adottata

Y ordinata della sezione a partire dalla testa positiva verso il basso espressa in [m]
CS coefficiente di sicurezza
M momento agente, espresso in [kgm]
N sforzo normale agente, espresso in [kg]
Mu momento ultimo, espresso in [kgm]
Nu sforzo normale ultimo, espresso in [kg]
T taglio agente, espresso in [kg]
VRd taglio resistente, espresso in [kg]

Verifiche a presso-flessione

Combinazione n° 1

Y [m]	M [kgm]	N [kg]	M _u [kgm]	N _u [kg]	FS	T [kg]	T _u [kg]	FS _T
0.00	7001	0	11570	0	1.65	10521	117947	11.21
0.10	5982	0	11570	0	1.93	9546	117947	12.36
0.20	5027	0	11570	0	2.30	8896	117947	13.26
0.30	4137	0	11570	0	2.80	8246	117947	14.30
0.40	3313	0	11570	0	3.49	7596	117947	15.53
0.50	2553	0	11570	0	4.53	6946	117947	16.98
0.60	1859	0	11570	0	6.22	6296	117947	18.73
0.70	1229	0	11570	0	9.41	5646	117947	20.89
0.80	664	0	11570	0	17.41	4996	117947	23.61
0.90	165	0	11570	0	70.18	4346	117947	27.14
1.00	270	0	11570	0	42.89	3696	117947	31.91
1.10	639	0	11570	0	18.10	3046	117947	38.72
1.20	944	0	11570	0	12.26	2400	117947	49.15
1.30	1184	0	11570	0	9.77	1825	117947	64.62
1.40	1366	0	11570	0	8.47	1319	117947	89.45
1.50	1498	0	11570	0	7.72	876	117947	134.61
1.60	1586	0	11570	0	7.30	494	117947	238.64
1.70	1635	0	11570	0	7.07	168	117947	701.01
1.80	1652	0	11570	0	7.00	106	117947	1110.80
1.90	1642	0	11570	0	7.05	334	117947	353.65
2.00	1608	0	11570	0	7.19	518	117947	227.63
2.10	1556	0	11570	0	7.43	664	117947	177.51
2.20	1490	0	11570	0	7.77	777	117947	151.89
2.30	1412	0	11570	0	8.19	858	117947	137.39
2.40	1326	0	11570	0	8.72	914	117947	129.05
2.50	1235	0	11570	0	9.37	947	117947	124.59
2.60	1140	0	11570	0	10.15	960	117947	122.89
2.70	1044	0	11570	0	11.08	956	117947	123.32
2.80	949	0	11570	0	12.20	939	117947	125.56
2.90	855	0	11570	0	13.54	911	117947	129.46
3.00	764	0	11570	0	15.15	874	117947	134.96
3.10	676	0	11570	0	17.11	830	117947	142.13
3.20	593	0	11570	0	19.50	781	117947	151.07
3.30	515	0	11570	0	22.46	728	117947	161.99
3.40	442	0	11570	0	26.15	673	117947	175.16
3.50	375	0	11570	0	30.85	618	117947	190.97
3.60	313	0	11570	0	36.93	562	117947	209.89
3.70	257	0	11570	0	44.99	507	117947	232.60
3.80	206	0	11570	0	56.05	454	117947	259.92
3.90	161	0	11570	0	71.84	403	117947	293.01
4.00	121	0	11570	0	95.77	354	117947	333.39
4.10	85	0	11570	0	135.44	308	117947	383.14
4.20	55	0	11570	0	211.74	265	117947	445.21
4.30	28	0	11570	0	411.02	225	117947	523.81
4.40	6	0	11570	0	1000.00	189	117947	625.21
4.50	13	0	11570	0	874.33	155	117947	759.11
4.60	29	0	11570	0	402.15	125	117947	941.32
4.70	41	0	11570	0	280.14	98	117947	1199.35
4.80	51	0	11570	0	226.26	74	117947	1585.56
4.90	59	0	11570	0	197.53	53	117947	2213.02
5.00	64	0	11570	0	181.05	35	117947	3378.76
5.10	67	0	11570	0	171.68	19	117947	6191.84
5.20	69	0	11570	0	166.96	6	117947	21307.26
5.30	70	0	11570	0	165.63	6	117947	20270.12
5.40	69	0	11570	0	167.03	15	117947	7758.37
5.50	68	0	11570	0	170.77	23	117947	5172.58
5.60	65	0	11570	0	176.72	29	117947	4095.32
5.70	63	0	11570	0	184.85	33	117947	3534.26
5.80	59	0	11570	0	195.26	37	117947	3215.00
5.90	56	0	11570	0	208.15	39	117947	3031.98
6.00	52	0	11570	0	223.82	40	117947	2936.56
6.10	48	0	11570	0	242.67	41	117947	2903.91
6.20	44	0	11570	0	265.27	40	117947	2920.70
6.30	40	0	11570	0	292.34	40	117947	2979.89
6.40	36	0	11570	0	324.82	38	117947	3078.30
6.50	32	0	11570	0	363.97	37	117947	3215.40
6.60	28	0	11570	0	411.45	35	117947	3392.74
6.70	25	0	11570	0	469.50	33	117947	3613.79
6.80	21	0	11570	0	541.17	30	117947	3883.93
6.90	18	0	11570	0	630.76	28	117947	4210.76
7.00	16	0	11570	0	744.45	26	117947	4604.54
7.10	13	0	11570	0	891.36	23	117947	5078.99
7.20	11	0	11570	0	1000.00	21	117947	5652.44
7.30	9	0	11570	0	1000.00	19	117947	6349.60
7.40	7	0	11570	0	1000.00	16	117947	7204.27
7.50	5	0	11570	0	1000.00	14	117947	8263.62
7.60	4	0	11570	0	1000.00	12	117947	9595.13
7.70	2	0	11570	0	1000.00	10	117947	11298.46

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Y	M	N	M _u	N _u	FS	T	T _u	FS _T
[m]	[kgm]	[kg]	[kgm]	[kg]		[kg]	[kg]	
7.80	1	0	11570	0	1000.00	9	117947	13526.56
7.90	1	0	11570	0	1000.00	7	117947	16525.88
8.00	0	0	11570	0	1000.00	6	117947	20719.27
8.10	1	0	11570	0	1000.00	4	117947	26895.47
8.20	1	0	11570	0	1000.00	3	117947	36708.25
8.30	2	0	11570	0	1000.00	2	117947	54296.24
8.40	2	0	11570	0	1000.00	1	117947	93707.00
8.50	2	0	11570	0	1000.00	0	117947	252335.78
8.60	2	0	11570	0	1000.00	0	117947	570761.31
8.70	2	0	11570	0	1000.00	1	117947	153417.91
8.80	2	0	11570	0	1000.00	1	117947	96345.30
8.90	2	0	11570	0	1000.00	2	117947	74751.11
9.00	2	0	11570	0	1000.00	2	117947	64298.25
9.10	1	0	11570	0	1000.00	2	117947	59034.70
9.20	1	0	11570	0	1000.00	2	117947	56918.69
9.30	1	0	11570	0	1000.00	2	117947	57246.73
9.40	1	0	11570	0	1000.00	2	117947	60028.03
9.50	1	0	11570	0	1000.00	2	117947	65972.82
9.60	0	0	11570	0	1000.00	2	117947	77058.07
9.70	0	0	11570	0	1000.00	1	117947	98760.67
9.80	0	0	11570	0	1000.00	1	117947	151351.12
9.90	0	0	11570	0	1000.00	0	117947	412538.74
10.00	0	0	11570	0	100.00	0	117947	412538.74

Verifiche a taglio

Combinazione n° 1

Involuppo verifiche

Involuppo

Y	Ar	M	N	M _u	N _u	CS	T	V _{Rd}	CS _T
[m]	[cmq]	[kgm]	[kg]	[kgm]	[kg]		[kg]	[kg]	
0.00	64.90	7001	0	11570	0	1.65	10521	117947	11.21
0.10	64.90	5982	0	11570	0	1.93	9546	117947	12.36
0.20	64.90	5027	0	11570	0	2.30	8896	117947	13.26
0.30	64.90	4137	0	11570	0	2.80	8246	117947	14.30
0.40	64.90	3313	0	11570	0	3.49	7596	117947	15.53
0.50	64.90	2553	0	11570	0	4.53	6946	117947	16.98
0.60	64.90	1859	0	11570	0	6.22	6296	117947	18.73
0.70	64.90	1229	0	11570	0	9.41	5646	117947	20.89
0.80	64.90	664	0	11570	0	17.41	4996	117947	23.61
0.90	64.90	165	0	11570	0	70.18	4346	117947	27.14
1.00	64.90	270	0	11570	0	42.89	3696	117947	31.91
1.10	64.90	639	0	11570	0	18.10	3046	117947	38.72
1.20	64.90	944	0	11570	0	12.26	2400	117947	49.15
1.30	64.90	1184	0	11570	0	9.77	1825	117947	64.62
1.40	64.90	1366	0	11570	0	8.47	1319	117947	89.45
1.50	64.90	1498	0	11570	0	7.72	876	117947	134.61
1.60	64.90	1586	0	11570	0	7.30	494	117947	238.64
1.70	64.90	1635	0	11570	0	7.07	168	117947	701.01
1.80	64.90	1652	0	11570	0	7.00	106	117947	1110.80
1.90	64.90	1642	0	11570	0	7.05	334	117947	353.65
2.00	64.90	1608	0	11570	0	7.19	518	117947	227.63
2.10	64.90	1556	0	11570	0	7.43	664	117947	177.51
2.20	64.90	1490	0	11570	0	7.77	777	117947	151.89
2.30	64.90	1412	0	11570	0	8.19	858	117947	137.39
2.40	64.90	1326	0	11570	0	8.72	914	117947	129.05
2.50	64.90	1235	0	11570	0	9.37	947	117947	124.59
2.60	64.90	1140	0	11570	0	10.15	960	117947	122.89
2.70	64.90	1044	0	11570	0	11.08	956	117947	123.32
2.80	64.90	949	0	11570	0	12.20	939	117947	125.56
2.90	64.90	855	0	11570	0	13.54	911	117947	129.46
3.00	64.90	764	0	11570	0	15.15	874	117947	134.96
3.10	64.90	676	0	11570	0	17.11	830	117947	142.13
3.20	64.90	593	0	11570	0	19.50	781	117947	151.07
3.30	64.90	515	0	11570	0	22.46	728	117947	161.99
3.40	64.90	442	0	11570	0	26.15	673	117947	175.16
3.50	64.90	375	0	11570	0	30.85	618	117947	190.97
3.60	64.90	313	0	11570	0	36.93	562	117947	209.89
3.70	64.90	257	0	11570	0	44.99	507	117947	232.60
3.80	64.90	206	0	11570	0	56.05	454	117947	259.92
3.90	64.90	161	0	11570	0	71.84	403	117947	293.01
4.00	64.90	121	0	11570	0	95.77	354	117947	333.39
4.10	64.90	85	0	11570	0	135.44	308	117947	383.14

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Y	Ar	M	N	Mu	Nu	CS	T	Vrd	CSr
[m]	[cmq]	[kgm]	[kg]	[kgm]	[kg]		[kg]	[kg]	
4.20	64.90	55	0	11570	0	211.74	265	117947	445.21
4.30	64.90	28	0	11570	0	411.02	225	117947	523.81
4.40	64.90	6	0	11570	0	1000.00	189	117947	625.21
4.50	64.90	13	0	11570	0	874.33	155	117947	759.11
4.60	64.90	29	0	11570	0	402.15	125	117947	941.32
4.70	64.90	41	0	11570	0	280.14	98	117947	1199.35
4.80	64.90	51	0	11570	0	226.26	74	117947	1585.56
4.90	64.90	59	0	11570	0	197.53	53	117947	2213.02
5.00	64.90	64	0	11570	0	181.05	35	117947	3378.76
5.10	64.90	67	0	11570	0	171.68	19	117947	6191.84
5.20	64.90	69	0	11570	0	166.96	6	117947	21307.26
5.30	64.90	70	0	11570	0	165.63	6	117947	20270.12
5.40	64.90	69	0	11570	0	167.03	15	117947	7758.37
5.50	64.90	68	0	11570	0	170.77	23	117947	5172.58
5.60	64.90	65	0	11570	0	176.72	29	117947	4095.32
5.70	64.90	63	0	11570	0	184.85	33	117947	3534.26
5.80	64.90	59	0	11570	0	195.26	37	117947	3215.00
5.90	64.90	56	0	11570	0	208.15	39	117947	3031.98
6.00	64.90	52	0	11570	0	223.82	40	117947	2936.56
6.10	64.90	48	0	11570	0	242.67	41	117947	2903.91
6.20	64.90	44	0	11570	0	265.27	40	117947	2920.70
6.30	64.90	40	0	11570	0	292.34	40	117947	2979.89
6.40	64.90	36	0	11570	0	324.82	38	117947	3078.30
6.50	64.90	32	0	11570	0	363.97	37	117947	3215.40
6.60	64.90	28	0	11570	0	411.45	35	117947	3392.74
6.70	64.90	25	0	11570	0	469.50	33	117947	3613.79
6.80	64.90	21	0	11570	0	541.17	30	117947	3883.93
6.90	64.90	18	0	11570	0	630.76	28	117947	4210.76
7.00	64.90	16	0	11570	0	744.45	26	117947	4604.54
7.10	64.90	13	0	11570	0	891.36	23	117947	5078.99
7.20	64.90	11	0	11570	0	1000.00	21	117947	5652.44
7.30	64.90	9	0	11570	0	1000.00	19	117947	6349.60
7.40	64.90	7	0	11570	0	1000.00	16	117947	7204.27
7.50	64.90	5	0	11570	0	1000.00	14	117947	8263.62
7.60	64.90	4	0	11570	0	1000.00	12	117947	9595.13
7.70	64.90	2	0	11570	0	1000.00	10	117947	11298.46
7.80	64.90	1	0	11570	0	1000.00	9	117947	13526.56
7.90	64.90	1	0	11570	0	1000.00	7	117947	16525.88
8.00	64.90	0	0	11570	0	1000.00	6	117947	20719.27
8.10	64.90	1	0	11570	0	1000.00	4	117947	26895.47
8.20	64.90	1	0	11570	0	1000.00	3	117947	36708.25
8.30	64.90	2	0	11570	0	1000.00	2	117947	54296.24
8.40	64.90	2	0	11570	0	1000.00	1	117947	93707.00
8.50	64.90	2	0	11570	0	1000.00	0	117947	252335.78
8.60	64.90	2	0	11570	0	1000.00	0	117947	570761.31
8.70	64.90	2	0	11570	0	1000.00	1	117947	153417.91
8.80	64.90	2	0	11570	0	1000.00	1	117947	96345.30
8.90	64.90	2	0	11570	0	1000.00	2	117947	74751.11
9.00	64.90	2	0	11570	0	1000.00	2	117947	64298.25
9.10	64.90	1	0	11570	0	1000.00	2	117947	59034.70
9.20	64.90	1	0	11570	0	1000.00	2	117947	56918.69
9.30	64.90	1	0	11570	0	1000.00	2	117947	57246.73
9.40	64.90	1	0	11570	0	1000.00	2	117947	60028.03
9.50	64.90	1	0	11570	0	1000.00	2	117947	65972.82
9.60	64.90	0	0	11570	0	1000.00	2	117947	77058.07
9.70	64.90	0	0	11570	0	1000.00	1	117947	98760.67
9.80	64.90	0	0	11570	0	1000.00	1	117947	151351.12
9.90	64.90	0	0	11570	0	1000.00	0	117947	412538.74
10.00	64.90	0	0	11570	0	100.00	0	117947	412538.74

Dichiarazioni secondo N.T.C. 2018 (punto 10.2)

Analisi e verifiche svolte con l'ausilio di codici di calcolo

Il sottoscritto Ing. Michelangelo Micheloni, in qualità di calcolatore delle opere in progetto, dichiara quanto segue.

Tipo di analisi svolta

L'analisi strutturale e le verifiche sono condotte con l'ausilio di un codice di calcolo automatico. La verifica della sicurezza degli elementi strutturali è stata valutata con i metodi della scienza delle costruzioni.

Il calcolo del palo viene eseguito secondo le seguenti fasi:

- Calcolo delle sollecitazioni, dovute al carico applicato;
- Verifica a portanza verticale;
- Verifica a portanza trasversale;
- Calcolo dei cedimenti;
- Progetto e verifica delle armature del palo.

La verifica delle sezioni degli elementi strutturali è eseguita con il metodo degli Stati Limite. Le combinazioni di carico adottate sono esaustive relativamente agli scenari di carico più gravosi cui l'opera sarà soggetta.

Origine e caratteristiche dei codici di calcolo

Titolo	CARL - Carico Limite e Cedimenti
Versione	16.0
Produttore	Aztec Informatica srl, Casole Bruzio (CS)
Utente	Studio Micheloni S.r.l.
Licenza	AIU5325AI

Affidabilità dei codici di calcolo

Un attento esame preliminare della documentazione a corredo del software ha consentito di valutarne l'affidabilità. La documentazione fornita dal produttore del software contiene un'esauriente descrizione delle basi teoriche, degli algoritmi impiegati e l'individuazione dei campi d'impiego. La società produttrice Aztec Informatica srl ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.

Modalità di presentazione dei risultati

La relazione di calcolo strutturale presenta i dati di calcolo tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità. La relazione di calcolo illustra in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare.

Informazioni generali sull'elaborazione

Il software prevede una serie di controlli automatici che consentono l'individuazione di errori di modellazione, di non rispetto di limitazioni geometriche e di armatura e di presenza di elementi non verificati. Il codice di calcolo consente di visualizzare e controllare, sia in forma grafica che tabellare, i dati del modello strutturale, in modo da avere una visione consapevole del comportamento corretto del modello strutturale.

Giudizio motivato di accettabilità dei risultati

I risultati delle elaborazioni sono stati sottoposti a controlli dal sottoscritto utente del software. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali. Inoltre sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni.

In base a quanto sopra, io sottoscritto asserisco che l'elaborazione è corretta ed idonea al caso specifico, pertanto i risultati di calcolo sono da ritenersi validi ed accettabili.