

# REGIONE BASILICATA

## COMUNE DI FORENZA (PZ)

### PROGETTO PER LA COSTRUZIONE DI UNA RESIDENZA SOCIO-ASSISTENZIALE PER ANZIANI DA REALIZZARSI IN ZONA PAIP

#### ELABORATI:

- 1\_RELAZIONE GENERALE
- 2\_INQUADRAMENTO GENERALE
- 3\_DOCUMENTAZIONE FOTOGRAFICA
- 4\_PIANTA QUOTATA
- 5\_PIANTA QUOTATA COPERTURA
- 6\_PIANTA DESTINAZIONE AMBIENTI
- 7\_PIANTA ARREDATA
- 8\_PIANTA VERIFICA PARAMETRI AEROILLUMINANTI
- 9\_PROSPETTI A
- 10\_PROSPETTI B
- 11\_SEZIONI A
- 12\_SEZIONI B
- 13\_IMMAGINI FOTOREALISTICHE A
- 14\_IMMAGINI FOTOREALISTICHE B
- 15\_PROGETTO DELLE STRUTTURE
- 16\_PIANO DI MANUTENZIONE DELL'OPERA
- 17\_PIANO SICUREZZA E COORDINAMENTO
- 18\_CRONOPROGRAMMA
- 19\_ELENCO PREZZI UNITARI
- 20\_COMPUTO METRICO ESTIMATIVO
- 21\_QUADRO ECONOMICO
- 22\_SCHEMA DI CONTRATTO
- 23\_CAPITOLATO SPECIALE D'APPALTO

TAV: n. 15c

#### ELABORATO:

PROGETTO DELLE STRUTTURE  
TABULATI B

SCALA:

Committente:

COMUNE DI FORENZA



Architettonico:

STIGLIANI NICOLA

Architetto Nicola Stigliani  
Geometra Bruno Rosario Maglietta



#### Progetto Strutturale:

RTP STIGLIANI NICOLA

Architetto Nicola Stigliani

Geometra Bruno Rosario Maglietta

Valido dal 16/05/2023 al 16/05/2026

InfoCamere Qualified Electronic Signature CA

Responsabile Unico del Procedimento:

Architetto Daniela Conversano

Forenza, gennaio 2023

**Comune di Forenza**  
**Provincia di Potenza**

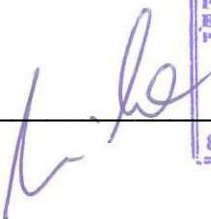
**TABULATI DI CALCOLO**  
**(Tomo 2 di 2)**

**OGGETTO:** Costruzione di una residenza socio-assistenziale per anziani da realizzarsi in zona PAIP

**COMMITTENTE:** Comune di Forenza

Forenza, 16/01/2023

Il Progettista


# VERIFICHE A TAGLIO FUORI PIANO ALLO SLU (Fondazione)

Platee - Taglio fuori piano allo SLU

| IdNd  | Dir | V <sub>Ed</sub> | CS    | V <sub>Rcd</sub> | V <sub>Rsd,s</sub> | N <sub>Ed</sub> | Ctg° | A <sub>sw</sub> |
|-------|-----|-----------------|-------|------------------|--------------------|-----------------|------|-----------------|
|       |     | [N]             |       | [N]              | [N]                | [N]             |      | [cm²/cm]        |
|       | S   | 16,425          | 9.00  | 147,860          | 0                  | 0               | 0.00 | 0.00000         |
|       | P   | 3,761           | 39.28 | 147,723          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,349           | 62.88 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00574 | P   | 22,109          | 6.68  | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 15,794          | 9.35  | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
| 00575 | P   | 55,312          | 2.67  | 147,714          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 17,014          | 8.68  | 147,714          | 0                  | 0               | 0.00 | 0.00000         |
| 00576 | P   | 15,863          | 9.31  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 32,652          | 4.52  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00577 | P   | 21,146          | 6.99  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 116,853         | 1.26  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00578 | P   | 71,499          | 2.07  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 109,729         | 1.35  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00579 | P   | 29,462          | 5.01  | 147,723          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 38,852          | 3.80  | 147,723          | 0                  | 0               | 0.00 | 0.00000         |
| 00580 | P   | 54,741          | 2.70  | 147,968          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 82,251          | 1.80  | 147,968          | 0                  | 0               | 0.00 | 0.00000         |
| 00581 | P   | 13,899          | 10.63 | 147,709          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 5,474           | 26.98 | 147,709          | 0                  | 0               | 0.00 | 0.00000         |
| 00582 | P   | 6,280           | 23.52 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 6,420           | 23.01 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00583 | P   | 2,044           | 72.26 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 504             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00584 | P   | 4,592           | 32.17 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 1,513           | 97.62 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00585 | P   | 5,987           | 24.67 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 607             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00586 | P   | 7,095           | 20.82 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 6,528           | 22.63 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00587 | P   | 573             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 3,840           | 38.47 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00588 | P   | 5,325           | 27.74 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,274           | 64.95 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00589 | P   | 5,660           | 26.10 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,703           | 54.65 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00590 | P   | 4,280           | 34.51 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 542             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00591 | P   | 1,766           | 83.64 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 291             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00592 | P   | 4,206           | 35.12 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 6,139           | 24.06 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00593 | P   | 12,430          | 11.88 | 147,710          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 6,678           | 22.12 | 147,710          | 0                  | 0               | 0.00 | 0.00000         |
| 00594 | P   | 46,524          | 3.18  | 148,023          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 84,868          | 1.74  | 148,023          | 0                  | 0               | 0.00 | 0.00000         |
| 00595 | P   | 16,998          | 8.69  | 147,719          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 31,387          | 4.71  | 147,719          | 0                  | 0               | 0.00 | 0.00000         |
| 00596 | P   | 74,154          | 1.99  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 115,954         | 1.27  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00597 | P   | 24,716          | 5.98  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 123,770         | 1.19  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00598 | P   | 11,601          | 12.73 | 147,725          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 71,843          | 2.06  | 147,725          | 0                  | 0               | 0.00 | 0.00000         |
| 00599 | P   | 66,340          | 2.23  | 147,716          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 8,887           | 16.62 | 147,716          | 0                  | 0               | 0.00 | 0.00000         |
| 00600 | P   | 23,392          | 6.31  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 14,709          | 10.04 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00601 | P   | 5,787           | 25.52 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 9,889           | 14.94 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00602 | P   | 10,420          | 14.18 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 1,264           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00603 | P   | 8,396           | 17.59 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 42,125          | 3.51  | 147,718          | 0                  | 0               | 0.00 | 0.00000         |
| 00604 | P   | 11,265          | 13.11 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 18,794          | 7.86  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00605 | P   | 8,378           | 17.63 | 147,708          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,008           | 73.56 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00606 | P   | 5,162           | 28.61 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 11,641          | 12.69 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00607 | P   | 1,605           | 92.03 | 147,709          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 17,147          | 8.61  | 147,709          | 0                  | 0               | 0.00 | 0.00000         |
| 00608 | P   | 6,982           | 21.16 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 33,285          | 4.44  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00609 | P   | 38,045          | 3.88  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 6,550           | 22.55 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00610 | P   | 19,537          | 7.56  | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 3,304           | 44.71 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00611 | P   | 6,137           | 24.07 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 8,615           | 17.15 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00612 | P   | 1,621           | 91.12 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 6,786           | 21.77 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00613 | P   | 2,436           | 60.63 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 7,400           | 19.96 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 00615 | P   | 1,860                  | 79.41 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,004                  | 29.52 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00616 | P   | 461                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,853                  | 51.77 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00617 | P   | 666                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,774                  | 39.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00618 | P   | 1,242                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 509                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00908 | P   | 4,045                  | 36.52 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,383                  | 61.98 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00909 | P   | 2,902                  | 50.90 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,707                  | 86.53 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00910 | P   | 3,434                  | 43.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,260                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00911 | P   | 2,202                  | 67.08 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,024                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00912 | P   | 1,766                  | 83.64 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 624                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00913 | P   | 271                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 293                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00914 | P   | 620                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 370                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00915 | P   | 1,477                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,327                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00916 | P   | 2,640                  | 55.95 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,103                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00917 | P   | 1,386                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,707                  | 86.53 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00918 | P   | 2,323                  | 63.58 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 725                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00919 | P   | 3,662                  | 40.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,565                  | 57.59 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00920 | P   | 13,199                 | 11.19 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,531                  | 96.48 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00921 | P   | 15,541                 | 9.50  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,020                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00922 | P   | 4,225                  | 34.96 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,124                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00923 | P   | 7,818                  | 18.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 15,668                 | 9.43  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00924 | P   | 43,101                 | 3.43  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 25,546                 | 5.78  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01344 | P   | 50,023                 | 2.95  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 22,617                 | 6.53  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01345 | P   | 3,470                  | 42.57 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 812                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01346 | P   | 152,709                | 1.08  | 810,109                 | 165,206                   | 0                      | 2.50 | 0.05071                     |
|       | S   | 6,760                  | 21.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.01834                     |
| 01347 | P   | 170,040                | 1.40  | 810,109                 | 238,170                   | 0                      | 2.50 | 0.07311                     |
|       | S   | 15,443                 | 9.56  | 147,706                 | 0                         | 0                      | 0.00 | 0.01826                     |
| 01348 | P   | 170,582                | 1.40  | 810,109                 | 238,140                   | 0                      | 2.50 | 0.07310                     |
|       | S   | 30,066                 | 4.91  | 147,706                 | 0                         | 0                      | 0.00 | 0.01825                     |
| 01349 | P   | 636                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,042                  | 72.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01350 | P   | 223                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,709                  | 86.43 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01351 | P   | 3,871                  | 38.17 | 147,765                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 63,825                 | 2.32  | 147,765                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01352 | P   | 9,654                  | 15.30 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,329                  | 23.34 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01353 | P   | 4,867                  | 30.35 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 47                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01354 | P   | 6,995                  | 21.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 252                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01355 | P   | 4,651                  | 31.76 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 475                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01356 | P   | 1,434                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,326                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01357 | P   | 4,181                  | 35.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,271                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01358 | P   | 5,992                  | 24.65 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 85                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01359 | P   | 6,046                  | 24.43 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 512                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01360 | P   | 5,826                  | 25.35 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,435                  | 22.95 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01361 | P   | 2,427                  | 60.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 47,856                 | 3.09  | 147,741                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01362 | P   | 1,848                  | 79.93 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 43,146                 | 3.42  | 147,731                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01363 | P   | 6,629                  | 22.28 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,562                  | 32.38 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01364 | P   | 5,435                  | 27.18 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 724                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01365 | P   | 5,579                  | 26.48 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 211                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 01366 | P   | 3,743                  | 39.46 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 518                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01367 | P   | 5,202                  | 28.41 | 147,814                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 17,381                 | 8.50  | 147,814                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01368 | P   | 752                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,611                  | 19.41 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01369 | P   | 4,910                  | 30.08 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,245                  | 45.52 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01370 | P   | 4,420                  | 33.42 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,756                  | 84.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01371 | P   | 2,820                  | 52.38 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,560                  | 94.68 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01372 | P   | 2,157                  | 68.48 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,115                  | 69.84 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01373 | P   | 4,362                  | 33.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,502                  | 98.34 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01374 | P   | 5,208                  | 28.36 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,217                  | 45.91 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01375 | P   | 1,087                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,209                  | 20.49 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01376 | P   | 6,770                  | 21.83 | 147,804                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,850                 | 13.62 | 147,804                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01377 | P   | 6,696                  | 22.07 | 147,769                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,233                 | 13.15 | 147,769                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01378 | P   | 419                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,516                  | 22.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01379 | P   | 4,469                  | 33.05 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,920                  | 50.58 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01380 | P   | 3,842                  | 38.45 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,509                  | 97.88 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01381 | P   | 3,267                  | 45.21 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,258                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01382 | P   | 17,455                 | 8.46  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 17,641                 | 8.37  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01383 | P   | 674                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,966                  | 37.25 | 147,720                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01384 | P   | 9,590                  | 15.40 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 12,543                 | 11.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01385 | P   | 10,946                 | 13.51 | 147,843                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 21,698                 | 6.81  | 147,843                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01386 | P   | 10,387                 | 14.22 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,861                  | 25.20 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01387 | P   | 2,469                  | 59.82 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,158                  | 35.52 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01388 | P   | 3,867                  | 38.20 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,551                  | 57.90 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01389 | P   | 3,156                  | 46.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 845                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01390 | P   | 1,307                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,347                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01391 | P   | 2,747                  | 53.77 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 829                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01392 | P   | 3,815                  | 38.72 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,344                  | 63.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01393 | P   | 2,952                  | 50.04 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,251                  | 34.75 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01394 | P   | 7,616                  | 19.39 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,402                  | 27.34 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01395 | P   | 3,332                  | 44.35 | 147,778                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 17,094                 | 8.65  | 147,778                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01396 | P   | 9,597                  | 15.39 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 12,786                 | 11.55 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01397 | P   | 1,140                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,518                  | 32.69 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01398 | P   | 6,947                  | 21.26 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,440                  | 19.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01399 | P   | 4,138                  | 35.70 | 147,719                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,455                  | 15.62 | 147,734                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01400 | P   | 6,983                  | 21.15 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,923                  | 18.64 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01401 | P   | 1,093                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,358                  | 33.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01402 | P   | 9,767                  | 15.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,830                 | 12.49 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01403 | P   | 5,107                  | 28.93 | 147,745                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 18,640                 | 7.93  | 147,745                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01404 | P   | 9,075                  | 16.28 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,512                  | 42.06 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01405 | P   | 2,348                  | 62.91 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,757                  | 39.31 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01406 | P   | 3,212                  | 45.99 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,039                  | 72.44 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01407 | P   | 2,700                  | 54.71 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 599                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01408 | P   | 2,832                  | 52.16 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,145                  | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 01409 | P   | 2,436                  | 60.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 367                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01410 | P   | 2,652                  | 55.70 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,447                  | 33.22 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01411 | P   | 151                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,334                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01412 | P   | 795                    | NS    | 147,716                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,390                  | 43.57 | 147,716                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01413 | P   | 2,283                  | 64.70 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,473                  | 59.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01414 | P   | 2,216                  | 66.65 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,198                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01415 | P   | 778                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 114                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01416 | P   | 665                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 207                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01417 | P   | 2,163                  | 68.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,087                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01418 | P   | 2,398                  | 61.60 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,371                  | 62.30 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01419 | P   | 1,000                  | NS    | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,373                  | 43.79 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01420 | P   | 663                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 683                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01421 | P   | 783                    | NS    | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,221                  | 34.99 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01422 | P   | 713                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 533                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01423 | P   | 1,052                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 642                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01424 | P   | 1,028                  | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,903                  | 77.62 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01425 | P   | 921                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,840                  | 80.28 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01426 | P   | 994                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 418                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01427 | P   | 894                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 327                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01428 | P   | 1,162                  | NS    | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,477                  | 32.99 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01429 | P   | 786                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 549                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01430 | P   | 663                    | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,751                  | 53.69 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01431 | P   | 1,976                  | 74.75 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,982                  | 74.52 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01432 | P   | 1,612                  | 91.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 832                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01433 | P   | 1,053                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 98                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01434 | P   | 2,526                  | 58.48 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,421                  | 33.41 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01435 | P   | 675                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,817                  | 81.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01436 | P   | 3,277                  | 45.07 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,239                  | 65.97 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01437 | P   | 2,185                  | 67.60 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,408                  | 43.34 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01438 | P   | 539                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,981                  | 37.10 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01439 | P   | 1,127                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,582                  | 57.21 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01440 | P   | 1,325                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 954                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01441 | P   | 992                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 388                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01442 | P   | 93                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 493                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01443 | P   | 883                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 377                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01444 | P   | 1,379                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 801                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01445 | P   | 1,167                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,197                  | 67.23 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01446 | P   | 145                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,801                  | 38.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01447 | P   | 732                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,639                  | 40.59 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01448 | P   | 1,385                  | NS    | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,496                  | 59.18 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01449 | P   | 657                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,340                  | 44.22 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01450 | P   | 1,536                  | 96.16 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,412                  | 33.48 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01451 | P   | 7                      | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,726                  | 39.64 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 01452 | P   | 1,429                  | NS    | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,303                  | 34.33 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01453 | P   | 566                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,165                  | 46.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01454 | P   | 1,409                  | NS    | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,280                  | 64.78 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01455 | P   | 724                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,325                  | 44.42 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01456 | P   | 128                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,246                  | 45.50 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01457 | P   | 1,069                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,943                  | 76.02 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01458 | P   | 1,281                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 716                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01459 | P   | 686                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 409                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01460 | P   | 5,720                  | 25.82 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,130                  | 20.73 | 147,772                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01461 | P   | 4,072                  | 36.27 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,037                  | 36.59 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01462 | P   | 8,618                  | 17.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,980                  | 21.16 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01463 | P   | 3,328                  | 44.39 | 147,723                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,143                 | 14.56 | 147,723                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01464 | P   | 2,031                  | 72.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,912                  | 50.72 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01465 | P   | 528                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 652                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01466 | P   | 1,226                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 159                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01467 | P   | 1,381                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 406                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01468 | P   | 953                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,082                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01469 | P   | 1,362                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 95                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01470 | P   | 880                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 381                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01471 | P   | 1,457                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,072                  | 71.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01472 | P   | 3,992                  | 37.01 | 147,735                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,037                  | 16.35 | 147,735                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01473 | P   | 8,904                  | 16.59 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,405                  | 33.53 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01474 | P   | 690                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,124                  | 47.28 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01475 | P   | 4,037                  | 36.59 | 147,723                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,352                  | 27.60 | 147,723                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01476 | P   | 1,016                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,821                  | 15.04 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01477 | P   | 1,218                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,668                  | 15.28 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01478 | P   | 3,930                  | 37.59 | 147,716                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,152                  | 28.67 | 147,716                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01479 | P   | 842                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,091                  | 47.79 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01480 | P   | 7,760                  | 19.03 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,676                  | 31.59 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01481 | P   | 3,371                  | 43.82 | 147,721                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,314                  | 17.77 | 147,721                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01482 | P   | 1,407                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,976                  | 74.75 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01483 | P   | 816                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 209                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01484 | P   | 1,320                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 137                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01485 | P   | 1,448                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 944                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01486 | P   | 3,711                  | 39.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,918                  | 50.62 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01487 | P   | 13,891                 | 10.63 | 147,718                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,578                  | 32.27 | 147,718                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01488 | P   | 7,887                  | 18.73 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 881                    | NS    | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01489 | P   | 637                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 229                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01490 | P   | 712                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 316                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01491 | P   | 1,298                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 466                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01492 | P   | 1,711                  | 86.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,315                  | 63.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01493 | P   | 1,587                  | 93.07 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 756                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01494 | P   | 928                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 517                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub> | CS    | V <sub>Rcd</sub> | V <sub>Rsd,s</sub> | N <sub>Ed</sub> | Ctg° | A <sub>sw</sub> |
|-------|-----|-----------------|-------|------------------|--------------------|-----------------|------|-----------------|
|       |     | [N]             |       | [N]              | [N]                | [N]             |      | [cm²/cm]        |
| 01495 | P   | 400             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 272             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01496 | P   | 5,724           | 25.80 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,668           | 55.36 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01497 | P   | 5,904           | 25.03 | 147,748          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 5,262           | 28.08 | 147,748          | 0                  | 0               | 0.00 | 0.00000         |
| 01498 | P   | 3,515           | 42.02 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 244             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01499 | P   | 1,973           | 74.86 | 147,708          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 460             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01500 | P   | 11,983          | 12.33 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 5,215           | 28.32 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01501 | P   | 574             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,314           | 63.83 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01502 | P   | 11,815          | 12.50 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 5,164           | 28.60 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01503 | P   | 2,123           | 69.57 | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 295             | NS    | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
| 01504 | P   | 3,986           | 37.06 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 297             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01505 | P   | 8,008           | 18.45 | 147,723          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 8,475           | 17.43 | 147,723          | 0                  | 0               | 0.00 | 0.00000         |
| 01506 | P   | 6,561           | 22.51 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 3,054           | 48.36 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01507 | P   | 447             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 613             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01508 | P   | 1,016           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 910             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01509 | P   | 2,063           | 71.60 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 691             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01510 | P   | 1,504           | 98.21 | 147,708          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 1,036           | NS    | 147,708          | 0                  | 0               | 0.00 | 0.00000         |
| 01511 | P   | 1,271           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,920           | 50.58 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01512 | P   | 2,507           | 58.92 | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 814             | NS    | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
| 01513 | P   | 313             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 827             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01514 | P   | 1,402           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 685             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01515 | P   | 1,215           | NS    | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 147             | NS    | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
| 01516 | P   | 1,202           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 274             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01517 | P   | 1,517           | 97.37 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 625             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01518 | P   | 136             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 712             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01519 | P   | 2,693           | 54.85 | 147,710          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 290             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01520 | P   | 1,677           | 88.08 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 1,631           | 90.56 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01521 | P   | 2,574           | 57.39 | 147,709          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,097           | 70.44 | 147,709          | 0                  | 0               | 0.00 | 0.00000         |
| 01522 | P   | 1,421           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 152             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01523 | P   | 1,987           | 74.34 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,276           | 64.90 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01524 | P   | 2,490           | 59.33 | 147,726          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 7,638           | 19.34 | 147,726          | 0                  | 0               | 0.00 | 0.00000         |
| 01525 | P   | 2,633           | 56.10 | 147,715          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 7,658           | 19.29 | 147,715          | 0                  | 0               | 0.00 | 0.00000         |
| 01526 | P   | 1,732           | 85.28 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,096           | 70.47 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01527 | P   | 1,444           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 414             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01528 | P   | 2,724           | 54.23 | 147,709          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 749             | NS    | 147,709          | 0                  | 0               | 0.00 | 0.00000         |
| 01529 | P   | 2,174           | 67.94 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 1,322           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01530 | P   | 2,736           | 53.99 | 147,708          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 782             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01531 | P   | 66              | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 1,355           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01532 | P   | 1,670           | 88.45 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 1,148           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01533 | P   | 2,164           | 68.26 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 225             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01534 | P   | 2,530           | 58.38 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 1,511           | 97.75 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01535 | P   | 4,622           | 31.96 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 10,035          | 14.72 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01536 | P   | 6,211           | 23.78 | 147,708          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 2,645           | 55.84 | 147,708          | 0                  | 0               | 0.00 | 0.00000         |
| 01537 | P   | 2,014           | 73.34 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|       | S   | 677             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 01538 | P   | 993                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,539                  | 95.98 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01539 | P   | 2,673                  | 55.26 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 209                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01540 | P   | 1,044                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,523                  | 22.64 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01541 | P   | 3,153                  | 46.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 559                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01542 | P   | 1,221                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,359                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01543 | P   | 1,840                  | 80.28 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 679                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01544 | P   | 9,699                  | 15.23 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,786                  | 30.86 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01545 | P   | 3,179                  | 46.46 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 20,756                 | 7.12  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01546 | P   | 7,369                  | 20.04 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,597                  | 41.06 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01547 | P   | 1,013                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 463                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01548 | P   | 421                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,053                  | 71.95 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01549 | P   | 193                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,181                  | 67.72 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01550 | P   | 757                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,342                  | 63.07 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01551 | P   | 1,419                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,121                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01552 | P   | 5,363                  | 27.54 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,205                  | 66.99 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01553 | P   | 2,286                  | 64.61 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 16,879                 | 8.75  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01554 | P   | 7,052                  | 20.95 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,704                  | 54.63 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01555 | P   | 2,439                  | 60.56 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,851                  | 79.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01556 | P   | 1,537                  | 96.10 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,230                  | 66.24 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01557 | P   | 4,985                  | 29.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 820                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01558 | P   | 11,699                 | 12.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 200                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01559 | P   | 19,815                 | 7.45  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,356                 | 13.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01560 | P   | 4,116                  | 35.89 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,616                  | 91.40 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01561 | P   | 416                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,770                  | 83.45 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01562 | P   | 2,209                  | 66.87 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,279                  | 64.81 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01563 | P   | 8,893                  | 16.61 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,638                  | 90.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01564 | P   | 10,210                 | 14.47 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 60                     | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01565 | P   | 2,970                  | 49.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,579                  | 57.27 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01566 | P   | 157                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,984                  | 74.45 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01567 | P   | 5,430                  | 27.20 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,558                  | 57.74 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01568 | P   | 27,168                 | 5.44  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,403                  | 61.47 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01569 | P   | 24,693                 | 5.98  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 985                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01570 | P   | 3,420                  | 43.19 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,362                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01571 | P   | 72                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 850                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01572 | P   | 89                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 917                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01573 | P   | 729                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,120                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01574 | P   | 598                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,519                  | 97.24 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01575 | P   | 4,145                  | 35.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,583                  | 57.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01576 | P   | 25,195                 | 5.86  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 262                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01577 | P   | 26,077                 | 5.66  | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,659                  | 89.04 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01578 | P   | 6,085                  | 24.27 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,200                  | 35.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01579 | P   | 498                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,964                  | 49.83 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01580 | P   | 4,278                  | 34.53 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,449                  | 60.31 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 01581 | P   | 11,802                 | 12.52 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,843                  | 51.95 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01582 | P   | 2,660                  | 55.53 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,917                  | 50.64 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01583 | P   | 1,856                  | 79.59 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,601                  | 15.39 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01584 | P   | 5,852                  | 25.24 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,302                  | 44.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01585 | P   | 3,018                  | 48.94 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,760                  | 83.92 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01586 | P   | 836                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,790                  | 82.52 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01587 | P   | 2,884                  | 51.22 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,211                  | 66.81 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01588 | P   | 76                     | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,846                  | 80.01 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01589 | P   | 3,016                  | 48.97 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,246                  | 65.76 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01590 | P   | 1,129                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,717                  | 86.03 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01591 | P   | 2,833                  | 52.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,356                  | 62.69 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01592 | P   | 7,634                  | 19.35 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,982                  | 29.65 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01593 | P   | 201                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 12,425                 | 11.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01594 | P   | 6,212                  | 23.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,457                  | 33.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01595 | P   | 1,529                  | 96.60 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,018                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01596 | P   | 26                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 253                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01597 | P   | 520                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 415                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01598 | P   | 819                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 649                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01599 | P   | 1,376                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,683                  | 87.76 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01600 | P   | 6,427                  | 22.98 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,252                  | 34.74 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01601 | P   | 1,312                  | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,827                 | 12.49 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01602 | P   | 8,161                  | 18.10 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,876                  | 30.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01603 | P   | 2,292                  | 64.44 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,885                  | 51.20 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01604 | P   | 3,002                  | 49.20 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,894                  | 77.99 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01605 | P   | 6,683                  | 22.10 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,999                  | 73.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01606 | P   | 584                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,300                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01607 | P   | 9,382                  | 15.74 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,491                  | 22.76 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01608 | P   | 15,367                 | 9.61  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,035                 | 14.72 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01609 | P   | 6,254                  | 23.62 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,425                  | 60.91 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01610 | P   | 519                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 473                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01611 | P   | 2,978                  | 49.60 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,503                  | 98.27 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01612 | P   | 9,324                  | 15.84 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,416                  | 23.02 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01613 | P   | 8,696                  | 16.99 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,793                  | 18.95 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01614 | P   | 4,363                  | 33.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,675                  | 88.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01615 | P   | 42                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,022                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01616 | P   | 5,522                  | 26.75 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,890                  | 78.15 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01617 | P   | 16,220                 | 9.11  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,918                  | 18.65 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01618 | P   | 9,833                  | 15.02 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,873                  | 18.76 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01619 | P   | 3,152                  | 46.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,387                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01620 | P   | 44                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 832                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01621 | P   | 44                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 425                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01622 | P   | 1,376                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 497                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01623 | P   | 1,055                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,018                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

Platee - Taglio fuori piano allo SLU

| IdNd              | Dir | V <sub>Ed</sub> | CS    | V <sub>Rcd</sub> | V <sub>Rsd,s</sub> | N <sub>Ed</sub> | Ctg° | A <sub>sw</sub> |
|-------------------|-----|-----------------|-------|------------------|--------------------|-----------------|------|-----------------|
|                   |     | [N]             |       | [N]              | [N]                | [N]             |      | [cm²/cm]        |
| 01624             | P   | 4,530           | 32.61 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 2,149           | 68.73 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01625             | P   | 20,057          | 7.36  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 12,649          | 11.68 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01626             | P   | 21,348          | 6.92  | 147,713          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 14,302          | 10.33 | 147,713          | 0                  | 0               | 0.00 | 0.00000         |
| 01627             | P   | 7,786           | 18.97 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 2,568           | 57.52 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01628             | P   | 883             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 1,280           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01629             | P   | 11,625          | 12.71 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 1,164           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 01630             | P   | 9,130           | 16.18 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 9,441           | 15.65 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| <b>Fondazione</b> |     | <b>Platea 4</b> |       |                  |                    |                 |      |                 |
| 00151             | P   | 584             | NS    | 147,712          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 9,844           | 15.01 | 147,712          | 0                  | 0               | 0.00 | 0.00000         |
| 00187             | P   | 4,264           | 34.64 | 147,714          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 15,985          | 9.24  | 147,714          | 0                  | 0               | 0.00 | 0.00000         |
| 00189             | P   | 112,107         | 1.32  | 147,853          | 0                  | 0               | 0.00 | 0.07235         |
|                   | S   | 25,252          | 5.86  | 147,853          | 0                  | 0               | 0.00 | 0.01647         |
| 00190             | P   | 1,343           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 1,637           | 90.23 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00191             | P   | 4,850           | 30.45 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 9,125           | 16.19 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00192             | P   | 4,882           | 30.26 | 147,723          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 4,235           | 34.88 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00193             | P   | 4,732           | 31.21 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 795             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00198             | P   | 3,780           | 39.08 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 12,065          | 12.24 | 147,707          | 0                  | 0               | 0.00 | 0.00000         |
| 00199             | P   | 3,537           | 41.77 | 147,743          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 10,429          | 14.17 | 147,743          | 0                  | 0               | 0.00 | 0.00000         |
| 00200             | P   | 4,774           | 30.94 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 10,834          | 13.63 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00201             | P   | 1,564           | 94.44 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 4,881           | 30.26 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00202             | P   | 10,447          | 14.14 | 147,713          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 12,722          | 11.61 | 147,713          | 0                  | 0               | 0.00 | 0.00000         |
| 00203             | P   | 4,788           | 30.85 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 25,391          | 5.82  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00204             | P   | 103,519         | 1.43  | 147,809          | 0                  | 0               | 0.00 | 0.07317         |
|                   | S   | 15,087          | 9.80  | 147,807          | 0                  | 0               | 0.00 | 0.01645         |
| 00205             | P   | 7,072           | 20.89 | 147,741          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 5,012           | 29.48 | 147,741          | 0                  | 0               | 0.00 | 0.00000         |
| 00206             | P   | 5,621           | 26.28 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 38,377          | 3.85  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00207             | P   | 8,750           | 16.88 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 6,645           | 22.23 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00208             | P   | 3,476           | 42.49 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 1,213           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00209             | P   | 722             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 644             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00210             | P   | 1,183           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 1,441           | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00211             | P   | 7,936           | 18.61 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 4,772           | 30.95 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00212             | P   | 100,756         | 1.47  | 147,794          | 0                  | 0               | 0.00 | 0.07317         |
|                   | S   | 20,369          | 7.26  | 147,794          | 0                  | 0               | 0.00 | 0.01645         |
| 00229             | P   | 3,947           | 37.42 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 5,837           | 25.31 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00230             | P   | 450             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 7,456           | 19.81 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00231             | P   | 580             | NS    | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 1,650           | 89.52 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00280             | P   | 5,876           | 25.14 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 11,863          | 12.45 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00292             | P   | 18,656          | 7.92  | 147,720          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 781             | NS    | 147,712          | 0                  | 0               | 0.00 | 0.00000         |
| 00326             | P   | 58,177          | 2.54  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 42,080          | 3.51  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00327             | P   | 7,957           | 18.56 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 2,956           | 49.97 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00328             | P   | 59,603          | 2.48  | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 13,097          | 11.28 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |
| 00329             | P   | 45,712          | 3.23  | 147,849          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 33,588          | 4.40  | 147,849          | 0                  | 0               | 0.00 | 0.00000         |
| 00330             | P   | 44,451          | 3.32  | 147,780          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 24,385          | 6.06  | 147,780          | 0                  | 0               | 0.00 | 0.00000         |
| 00331             | P   | 75,965          | 1.94  | 147,710          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 7,145           | 20.67 | 147,710          | 0                  | 0               | 0.00 | 0.00000         |
| 00332             | P   | 71,158          | 2.08  | 147,708          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 8,808           | 16.77 | 147,708          | 0                  | 0               | 0.00 | 0.00000         |
| 00333             | P   | 47,840          | 3.09  | 147,790          | 0                  | 0               | 0.00 | 0.00000         |
|                   | S   | 27,204          | 5.43  | 147,790          | 0                  | 0               | 0.00 | 0.00000         |
| 00334             | P   | 14,378          | 10.27 | 147,706          | 0                  | 0               | 0.00 | 0.00000         |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
|       | S   | 15,432                 | 9.57  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00335 | P   | 3,202                  | 46.25 | 148,092                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,339                  | 20.13 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00336 | P   | 4,993                  | 29.58 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,907                  | 25.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00337 | P   | 2,843                  | 51.96 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,878                  | 38.09 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00338 | P   | 307                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 560                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00339 | P   | 258,771                | 1.14  | 810,109                 | 295,170                   | 0                      | 2.50 | 0.09061                     |
|       | S   | 137,346                | 1.08  | 147,706                 | 0                         | 0                      | 0.00 | 0.02412                     |
| 00370 | P   | 198,742                | 1.49  | 810,148                 | 295,170                   | 0                      | 2.50 | 0.09061                     |
|       | S   | 121,376                | 1.22  | 147,747                 | 0                         | 0                      | 0.00 | 0.02412                     |
| 00452 | P   | 14,099                 | 10.48 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,237                  | 23.68 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00453 | P   | 7,377                  | 20.02 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,589                  | 32.19 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00454 | P   | 2,097                  | 70.44 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,090                  | 70.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00455 | P   | 406                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,059                  | 29.20 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00456 | P   | 1,619                  | 91.23 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,714                  | 39.77 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00457 | P   | 4,031                  | 36.64 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,634                  | 31.87 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00458 | P   | 8,189                  | 18.04 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 18,223                 | 8.11  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00459 | P   | 24,146                 | 6.12  | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 13,957                 | 10.58 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00460 | P   | 37,457                 | 3.94  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,765                 | 12.55 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00461 | P   | 6,488                  | 22.77 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 26,359                 | 5.60  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00462 | P   | 653                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 24,061                 | 6.14  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00463 | P   | 4,787                  | 30.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,362                 | 13.00 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00464 | P   | 7,250                  | 20.37 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,429                  | 27.21 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00465 | P   | 7,005                  | 21.09 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 17,978                 | 8.22  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00466 | P   | 2,765                  | 53.45 | 147,801                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 49,381                 | 2.99  | 147,804                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00467 | P   | 16,238                 | 9.10  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,211                  | 18.02 | 147,963                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00468 | P   | 1,849                  | 79.89 | 147,718                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,366                  | 43.88 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00469 | P   | 21,012                 | 7.03  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 14,309                 | 10.32 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00470 | P   | 59,513                 | 2.48  | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 16,182                 | 9.13  | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00471 | P   | 16,223                 | 9.10  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 35,444                 | 4.17  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00472 | P   | 14,290                 | 10.34 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 121,398                | 1.22  | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00473 | P   | 80,716                 | 1.83  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 104,910                | 1.41  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00474 | P   | 24,507                 | 6.03  | 147,729                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 30,892                 | 4.78  | 147,729                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00475 | P   | 49,289                 | 3.00  | 147,974                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 79,685                 | 1.86  | 147,981                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00476 | P   | 10,440                 | 14.15 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,755                  | 25.67 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00477 | P   | 3,166                  | 46.65 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,792                  | 30.82 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00478 | P   | 3,209                  | 46.03 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 439                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00479 | P   | 4,387                  | 33.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 665                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00480 | P   | 3,722                  | 39.68 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 325                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00481 | P   | 5,575                  | 26.49 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,995                  | 49.32 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00482 | P   | 3,804                  | 38.83 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,519                  | 22.66 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00483 | P   | 7,924                  | 18.64 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,269                  | 45.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00484 | P   | 6,390                  | 23.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,388                  | 61.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00485 | P   | 4,700                  | 31.43 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 839                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00486 | P   | 2,503                  | 59.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 585                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00487 | P   | 2,969                  | 49.75 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,272                  | 34.58 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00488 | P   | 12,066                 | 12.24 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
|       | S   | 5,141                  | 28.73 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00489 | P   | 52,984                 | 2.79  | 147,960                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 84,042                 | 1.76  | 147,960                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00490 | P   | 21,371                 | 6.91  | 147,725                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 35,951                 | 4.11  | 147,725                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00491 | P   | 84,752                 | 1.74  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 112,449                | 1.31  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00492 | P   | 18,404                 | 8.03  | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 127,306                | 1.16  | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00493 | P   | 15,657                 | 9.43  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 35,581                 | 4.15  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00494 | P   | 49,098                 | 3.01  | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,881                  | 21.47 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00495 | P   | 20,336                 | 7.26  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,483                 | 12.86 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00496 | P   | 4,163                  | 35.48 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,333                  | 27.70 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00497 | P   | 8,497                  | 17.39 | 147,759                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,356                  | 20.09 | 147,791                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00498 | P   | 4,295                  | 34.39 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,489                  | 15.57 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00499 | P   | 6,173                  | 23.93 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,970                  | 49.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00500 | P   | 4,035                  | 36.61 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,259                  | 23.60 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00501 | P   | 10,228                 | 14.45 | 147,787                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 14,733                 | 10.03 | 147,831                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00502 | P   | 3,268                  | 45.20 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,225                  | 66.38 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00503 | P   | 19,190                 | 7.70  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 15,874                 | 9.30  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00504 | P   | 60,131                 | 2.46  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 28,727                 | 5.14  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00505 | P   | 41,555                 | 3.55  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 55,114                 | 2.68  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00506 | P   | 10,091                 | 14.64 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 107,607                | 1.37  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00507 | P   | 74,365                 | 1.99  | 147,716                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 92,466                 | 1.60  | 147,716                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00508 | P   | 28,726                 | 5.14  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 12,336                 | 11.97 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00509 | P   | 26,303                 | 5.62  | 147,883                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 40,409                 | 3.66  | 147,884                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00510 | P   | 12,721                 | 11.61 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,660                  | 15.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00511 | P   | 2,940                  | 50.24 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,444                  | 60.44 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00512 | P   | 3,183                  | 46.40 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 324                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00513 | P   | 4,213                  | 35.06 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,873                  | 51.41 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00514 | P   | 4,517                  | 32.70 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,038                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00515 | P   | 6,705                  | 22.03 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,384                  | 61.96 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00619 | P   | 37,348                 | 3.95  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 20,269                 | 7.29  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00620 | P   | 17,144                 | 8.62  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 15,696                 | 9.41  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00621 | P   | 7,790                  | 18.96 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,166                  | 68.19 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00622 | P   | 11,202                 | 13.19 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 875                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00623 | P   | 8,244                  | 17.92 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,901                  | 37.86 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00624 | P   | 2,657                  | 55.59 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 485                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00625 | P   | 2,547                  | 57.99 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,198                  | 67.20 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00626 | P   | 1,065                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,058                  | 71.77 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00627 | P   | 1,486                  | 99.40 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 302                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00628 | P   | 345                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,085                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00629 | P   | 621                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 115                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00630 | P   | 748                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 195                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00631 | P   | 1,266                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,617                  | 91.35 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00632 | P   | 2,204                  | 67.02 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,549                  | 95.36 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00633 | P   | 2,551                  | 57.90 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 403                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00634 | P   | 2,610                  | 56.59 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
|       | S   | 635                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00635 | P   | 4,988                  | 29.61 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,738                  | 53.95 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00853 | P   | 42,793                 | 3.45  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 828                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00854 | P   | 14,991                 | 9.85  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,997                  | 49.28 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00855 | P   | 5,445                  | 27.13 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 465                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00856 | P   | 2,761                  | 53.50 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,238                  | 45.62 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00857 | P   | 14,314                 | 10.32 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,618                  | 31.98 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00858 | P   | 31,016                 | 4.76  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,436                  | 42.99 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00859 | P   | 55,511                 | 2.66  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,774                  | 83.26 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00860 | P   | 19,418                 | 7.61  | 147,740                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 51,187                 | 2.89  | 147,740                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00861 | P   | 37,863                 | 3.90  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 139                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00862 | P   | 18,760                 | 7.87  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,631                  | 26.23 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00863 | P   | 7,643                  | 19.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,215                  | 45.94 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00864 | P   | 2,507                  | 58.92 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,288                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00865 | P   | 149                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 445                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00866 | P   | 35                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 925                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00867 | P   | 211                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 459                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00868 | P   | 721                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 761                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00869 | P   | 1,266                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 531                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00870 | P   | 4,968                  | 29.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,154                  | 68.57 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00871 | P   | 17,629                 | 8.38  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,816                  | 30.67 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00872 | P   | 37,079                 | 3.98  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 12,216                 | 12.09 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00873 | P   | 5,949                  | 24.83 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 32,349                 | 4.57  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00874 | P   | 43,471                 | 3.40  | 147,755                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,676                  | 26.03 | 147,754                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00875 | P   | 13,762                 | 10.73 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,410                  | 43.32 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00876 | P   | 7,711                  | 19.16 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,418                  | 61.09 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00877 | P   | 1,238                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,534                  | 96.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00878 | P   | 5,159                  | 28.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,127                  | 69.44 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00879 | P   | 11,326                 | 13.04 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,944                  | 29.88 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00880 | P   | 32,055                 | 4.61  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 14,934                 | 9.89  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00881 | P   | 1,776                  | 83.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 33,647                 | 4.39  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00882 | P   | 31,828                 | 4.64  | 147,723                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 14,733                 | 10.03 | 147,723                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00883 | P   | 8,675                  | 17.03 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 307                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00884 | P   | 5,353                  | 27.59 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,332                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00885 | P   | 726                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,039                  | 72.44 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00886 | P   | 7,739                  | 19.09 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,310                  | 63.94 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00887 | P   | 15,174                 | 9.73  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,811                  | 52.55 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00888 | P   | 46,488                 | 3.18  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,081                  | 16.27 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00889 | P   | 3,436                  | 42.99 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 27,329                 | 5.40  | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00890 | P   | 33,957                 | 4.35  | 147,718                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,608                 | 12.73 | 147,718                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00891 | P   | 10,935                 | 13.51 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,201                  | 35.16 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00892 | P   | 9,383                  | 15.74 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 23,098                 | 6.39  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01085 | P   | 2,535                  | 58.27 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 665                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01086 | P   | 23,658                 | 6.24  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
|       | S   | 26,184                 | 5.64  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01087 | P   | 166,728                | 1.43  | 810,109                 | 238,366                   | 0                      | 2.50 | 0.07317                     |
|       | S   | 21,654                 | 6.82  | 147,706                 | 0                         | 0                      | 0.00 | 0.01645                     |
| 01088 | P   | 166,847                | 1.43  | 810,109                 | 238,350                   | 0                      | 2.50 | 0.07317                     |
|       | S   | 29,078                 | 5.08  | 147,706                 | 0                         | 0                      | 0.00 | 0.01645                     |
| 01089 | P   | 160,966                | 1.46  | 810,109                 | 235,702                   | 0                      | 2.50 | 0.07235                     |
|       | S   | 4,243                  | 34.81 | 147,706                 | 0                         | 0                      | 0.00 | 0.01647                     |
| 01090 | P   | 4,409                  | 33.50 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,586                  | 57.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01091 | P   | 59,876                 | 2.47  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 20,931                 | 7.06  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01092 | P   | 51,309                 | 2.88  | 147,706                 | 0                         | 0                      | 0.00 | 0.09061                     |
|       | S   | 36,354                 | 4.06  | 147,706                 | 0                         | 0                      | 0.00 | 0.02412                     |
| 01093 | P   | 6,259                  | 23.60 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,001                  | 36.92 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01094 | P   | 5,562                  | 26.56 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,923                  | 76.81 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01095 | P   | 9,072                  | 16.28 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,484                 | 14.09 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01096 | P   | 12,625                 | 11.70 | 147,713                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,889                  | 18.72 | 147,713                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01097 | P   | 2,380                  | 62.06 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 687                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01098 | P   | 1,822                  | 81.07 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 354                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01099 | P   | 6,860                  | 21.53 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,894                  | 51.04 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01100 | P   | 157                    | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,223                  | 20.45 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01101 | P   | 6,280                  | 23.52 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,446                  | 60.39 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01102 | P   | 1,552                  | 95.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 920                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01103 | P   | 3,267                  | 45.21 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 298                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01104 | P   | 10,727                 | 13.77 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,892                  | 25.07 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01105 | P   | 6,283                  | 23.51 | 147,713                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,937                  | 21.29 | 147,713                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01106 | P   | 6,348                  | 23.27 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,963                  | 75.25 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01107 | P   | 1,081                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 812                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01108 | P   | 210                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 432                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01109 | P   | 994                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 443                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01110 | P   | 1,146                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 789                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01111 | P   | 2,287                  | 64.59 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 805                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01112 | P   | 20,100                 | 7.35  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,318                  | 34.21 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01113 | P   | 17,230                 | 8.57  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 16,470                 | 8.97  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01114 | P   | 14,010                 | 10.54 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,547                  | 32.48 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01115 | P   | 2,350                  | 62.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 399                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01116 | P   | 6,108                  | 24.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,471                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01117 | P   | 19,687                 | 7.50  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,645                  | 17.09 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01118 | P   | 10,027                 | 14.73 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,749                  | 25.69 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01119 | P   | 6,478                  | 22.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,360                  | 23.22 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01120 | P   | 5,141                  | 28.73 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,705                  | 54.61 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01121 | P   | 116                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,799                  | 82.10 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01122 | P   | 3,079                  | 47.97 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,939                  | 76.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01123 | P   | 2,097                  | 70.44 | 147,715                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,217                  | 45.92 | 147,715                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01124 | P   | 2,474                  | 59.70 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,084                  | 47.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01125 | P   | 2,224                  | 66.42 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,799                  | 82.11 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01126 | P   | 913                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,481                  | 99.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01127 | P   | 7,862                  | 18.79 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,221                  | 34.99 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01128 | P   | 7,744                  | 19.07 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,947                  | 14.85 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01129 | P   | 10,607                 | 13.93 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
|       | S   | 7,382                  | 20.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01130 | P   | 3,253                  | 45.41 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,479                  | 99.87 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01131 | P   | 313                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 272                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01132 | P   | 195                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 406                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01133 | P   | 827                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 501                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01134 | P   | 96                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,021                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01135 | P   | 5,753                  | 25.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,284                  | 44.98 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01136 | P   | 7,576                  | 19.50 | 147,719                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,557                 | 13.99 | 147,719                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01137 | P   | 9,318                  | 15.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,617                  | 17.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01138 | P   | 5,533                  | 26.70 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,777                  | 39.11 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01139 | P   | 1,435                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,750                  | 84.40 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01140 | P   | 5,624                  | 26.26 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 563                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01141 | P   | 4,007                  | 36.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 224                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01142 | P   | 12,787                 | 11.55 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 18,753                 | 7.88  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01143 | P   | 10,853                 | 13.61 | 147,727                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,083                  | 47.92 | 147,727                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01144 | P   | 1,174                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,666                  | 88.66 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01145 | P   | 1,497                  | 98.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,763                  | 83.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01146 | P   | 6,357                  | 23.24 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 225                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01147 | P   | 7                      | NS    | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 15,779                 | 9.36  | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01148 | P   | 6,020                  | 24.54 | 147,718                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 700                    | NS    | 147,718                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01149 | P   | 1,022                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,556                  | 94.93 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01150 | P   | 1,938                  | 76.22 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 838                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01151 | P   | 16,937                 | 8.72  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,816                  | 15.05 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01152 | P   | 14,846                 | 9.95  | 147,717                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 31,458                 | 4.70  | 147,717                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01153 | P   | 8,561                  | 17.25 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 732                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01154 | P   | 739                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 710                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01155 | P   | 361                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,212                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01156 | P   | 423                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,406                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01157 | P   | 1,086                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,692                  | 87.30 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01158 | P   | 1,388                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,252                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01159 | P   | 16,339                 | 9.04  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,974                  | 21.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01160 | P   | 183                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 36,173                 | 4.08  | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01161 | P   | 14,897                 | 9.92  | 147,728                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,045                  | NS    | 147,728                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01162 | P   | 1,374                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,500                  | 59.08 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01163 | P   | 2,145                  | 68.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,328                  | 63.45 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01164 | P   | 7,201                  | 20.51 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 720                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01165 | P   | 2,596                  | 56.90 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,267                  | 45.21 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01166 | P   | 2,823                  | 52.32 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,208                  | 46.04 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01167 | P   | 2,876                  | 51.36 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 526                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01168 | P   | 64                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,373                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01169 | P   | 2,153                  | 68.61 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 805                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01170 | P   | 2,433                  | 60.71 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,137                  | 69.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01171 | P   | 2,509                  | 58.87 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,428                  | NS    | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01172 | P   | 1,704                  | 86.68 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
|       | S   | 833                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01173 | P   | 700                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 911                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01174 | P   | 4,479                  | 32.98 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 930                    | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01175 | P   | 3,143                  | 47.00 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,647                  | 17.08 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01176 | P   | 5,028                  | 29.38 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,881                  | 30.26 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01177 | P   | 2,624                  | 56.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 390                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01178 | P   | 700                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,138                  | 69.09 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01179 | P   | 452                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,430                  | 43.06 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01180 | P   | 1,127                  | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,963                  | 37.27 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01181 | P   | 596                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,016                  | 73.27 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01182 | P   | 3,070                  | 48.11 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 346                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01183 | P   | 4,059                  | 36.39 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,365                  | 23.21 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01184 | P   | 5,203                  | 28.39 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,764                  | 31.01 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01185 | P   | 3,315                  | 44.56 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 868                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01186 | P   | 151                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,121                  | 69.64 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01187 | P   | 2,345                  | 62.99 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,212                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01188 | P   | 1,109                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,266                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01189 | P   | 4,511                  | 32.75 | 147,713                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,718                  | 31.31 | 147,713                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01190 | P   | 5,117                  | 28.87 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,554                  | 57.83 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01191 | P   | 660                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 917                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01192 | P   | 864                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 817                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01193 | P   | 1,507                  | 98.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 904                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01194 | P   | 1,561                  | 94.62 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,367                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01195 | P   | 1,638                  | 90.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 856                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01196 | P   | 765                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 672                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01197 | P   | 1,103                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 661                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01198 | P   | 4,900                  | 30.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,145                  | 68.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01199 | P   | 3,799                  | 38.89 | 147,728                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,828                  | 52.23 | 147,719                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01200 | P   | 2,934                  | 50.34 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 513                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01201 | P   | 1,651                  | 89.47 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 746                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01202 | P   | 7,534                  | 19.61 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,640                  | 19.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01203 | P   | 3,174                  | 46.54 | 147,726                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,162                  | 35.49 | 147,726                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01204 | P   | 6,275                  | 23.54 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,356                  | 23.24 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01205 | P   | 1,153                  | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 651                    | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01206 | P   | 5,253                  | 28.12 | 147,720                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,419                  | NS    | 147,720                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01207 | P   | 4,791                  | 30.83 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,747                  | 31.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01208 | P   | 3,992                  | 37.00 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,950                  | 75.75 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01209 | P   | 603                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,103                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01210 | P   | 1,010                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,313                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01211 | P   | 1,804                  | 81.88 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,225                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01212 | P   | 8,613                  | 17.16 | 147,810                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,815                  | 16.77 | 147,815                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01213 | P   | 3,383                  | 43.66 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,843                  | 30.50 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01214 | P   | 11,080                 | 13.33 | 147,712                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,025                  | 72.94 | 147,712                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01215 | P   | 9,083                  | 16.26 | 147,717                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg <sup>o</sup> | A <sub>sw</sub><br>[cm <sup>2</sup> /cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------------------|------------------------------------------|
|       | S   | 6,678                  | 22.12 | 147,717                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01216 | P   | 1,718                  | 85.98 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 1,168                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01217 | P   | 594                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 9                      | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01218 | P   | 1,543                  | 95.73 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 303                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01219 | P   | 2,630                  | 56.16 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 1,145                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01220 | P   | 2,608                  | 56.64 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 698                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01221 | P   | 1,130                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 220                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01222 | P   | 609                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 47                     | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01223 | P   | 2,841                  | 51.99 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 1,324                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01224 | P   | 5,244                  | 28.18 | 147,773                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 14,329                 | 10.31 | 147,774                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01225 | P   | 7,416                  | 19.92 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 6,596                  | 22.39 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01226 | P   | 41                     | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 2,258                  | 65.41 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01227 | P   | 6,606                  | 22.36 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 1,745                  | 84.65 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01228 | P   | 3,508                  | 42.11 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 8,302                  | 17.79 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01229 | P   | 2,765                  | 53.42 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 9,631                  | 15.34 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01230 | P   | 4,996                  | 29.58 | 147,766                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 2,973                  | 49.70 | 147,766                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01231 | P   | 2,072                  | 71.29 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 2,012                  | 73.41 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01232 | P   | 9,724                  | 15.19 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 6,035                  | 24.47 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01233 | P   | 9,369                  | 15.77 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 416                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01234 | P   | 1,102                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 648                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01235 | P   | 890                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 413                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01236 | P   | 1,156                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 333                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01237 | P   | 3,216                  | 45.93 | 147,708                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 5,251                  | 28.13 | 147,708                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01238 | P   | 1,050                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 2,412                  | 61.24 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01239 | P   | 3,944                  | 37.45 | 147,707                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 3,378                  | 43.73 | 147,707                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01240 | P   | 2,178                  | 67.82 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 7,105                  | 20.79 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01241 | P   | 486                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 4,193                  | 35.23 | 147,708                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01242 | P   | 628                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 1,866                  | 79.16 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01243 | P   | 1,388                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 681                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01244 | P   | 734                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 421                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01245 | P   | 295                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 839                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01246 | P   | 1,135                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 423                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01247 | P   | 1,241                  | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 613                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01248 | P   | 472                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 2,130                  | 69.35 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01249 | P   | 1,036                  | NS    | 147,708                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 4,543                  | 32.51 | 147,708                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01250 | P   | 1,601                  | 92.26 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 5,703                  | 25.90 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01251 | P   | 1,762                  | 83.83 | 147,710                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 3,135                  | 47.12 | 147,710                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01252 | P   | 1,526                  | 96.79 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 3,706                  | 39.86 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01253 | P   | 2,904                  | 50.87 | 147,715                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 6,349                  | 23.27 | 147,715                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01254 | P   | 820                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 5,703                  | 25.90 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01255 | P   | 2,161                  | 68.35 | 147,712                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 5,258                  | 28.09 | 147,712                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01256 | P   | 647                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 3,418                  | 43.21 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01257 | P   | 2,275                  | 64.93 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
|       | S   | 3,326                  | 44.41 | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |
| 01258 | P   | 713                    | NS    | 147,706                 | 0                         | 0                      | 0.00             | 0.00000                                  |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
|       | S   | 6,447                  | 22.91 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01259 | P   | 577                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,450                  | 42.81 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01260 | P   | 881                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,400                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01261 | P   | 1,106                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 330                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01262 | P   | 860                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 434                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01263 | P   | 1,935                  | 76.33 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 263                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01264 | P   | 2,375                  | 62.19 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 321                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01265 | P   | 2,184                  | 67.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,194                  | 67.32 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01266 | P   | 766                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,155                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01267 | P   | 1,262                  | NS    | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,003                  | 49.19 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01268 | P   | 1,895                  | 77.95 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,893                  | 78.03 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01269 | P   | 1,696                  | 87.09 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 917                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01270 | P   | 470                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 22                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01271 | P   | 614                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 35                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01272 | P   | 1,608                  | 91.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 794                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01273 | P   | 2,072                  | 71.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,184                  | 67.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01274 | P   | 1,033                  | NS    | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,256                  | 45.37 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01275 | P   | 125                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,267                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01276 | P   | 668                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,521                  | 97.11 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01277 | P   | 613                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,689                  | 87.45 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01278 | P   | 1,305                  | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,455                  | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01279 | P   | 781                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 725                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01280 | P   | 1,073                  | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 475                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01281 | P   | 735                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,345                  | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01282 | P   | 335                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,218                  | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01283 | P   | 879                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,136                  | 69.15 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01284 | P   | 51                     | NS    | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,110                  | 70.01 | 147,712                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01285 | P   | 1,350                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,714                  | 54.42 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01286 | P   | 2,127                  | 69.44 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,778                  | 83.07 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01287 | P   | 1,119                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 447                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01288 | P   | 11,694                 | 12.63 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,791                  | 18.96 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01289 | P   | 1,146                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,229                  | 28.25 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01290 | P   | 8,372                  | 17.64 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,303                 | 14.34 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01291 | P   | 5,238                  | 28.21 | 147,740                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 14,082                 | 10.49 | 147,740                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01292 | P   | 7,594                  | 19.45 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,415                  | 43.25 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01293 | P   | 2,511                  | 58.82 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,708                  | 39.83 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01294 | P   | 3,422                  | 43.16 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,106                  | 70.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01295 | P   | 2,287                  | 64.59 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 332                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01296 | P   | 1,901                  | 77.70 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,345                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01297 | P   | 2,869                  | 51.48 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 715                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01298 | P   | 3,618                  | 40.83 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,373                  | 62.24 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01299 | P   | 2,273                  | 64.98 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,949                  | 37.40 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01300 | P   | 8,526                  | 17.32 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,601                  | 41.02 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01301 | P   | 3,866                  | 38.22 | 147,759                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd       | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|------------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
|            | S   | 12,698                 | 11.64 | 147,759                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01302      | P   | 6,020                  | 24.54 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 9,952                  | 14.84 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01303      | P   | 689                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 2,342                  | 63.07 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01304      | P   | 7,987                  | 18.49 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 7,785                  | 18.97 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01305      | P   | 6,211                  | 23.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 9,450                  | 15.63 | 147,746                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01306      | P   | 6,649                  | 22.21 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 4,692                  | 31.48 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01307      | P   | 2,503                  | 59.01 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 3,914                  | 37.74 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01308      | P   | 6,887                  | 21.45 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 10,128                 | 14.58 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01309      | P   | 5,058                  | 29.20 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 12,777                 | 11.56 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01310      | P   | 3,392                  | 43.55 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 3,954                  | 37.36 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01311      | P   | 2,867                  | 51.52 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 3,586                  | 41.19 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01312      | P   | 3,208                  | 46.04 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 1,736                  | 85.08 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01313      | P   | 2,344                  | 63.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 350                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01314      | P   | 7,326                  | 20.17 | 147,798                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 12,511                 | 11.81 | 147,798                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01315      | P   | 919                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 7,069                  | 20.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01316      | P   | 4,923                  | 30.00 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 3,074                  | 48.05 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01317      | P   | 4,126                  | 35.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 1,310                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01318      | P   | 2,790                  | 52.94 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 1,224                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01319      | P   | 3,670                  | 40.25 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 272                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01320      | P   | 4,337                  | 34.06 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 1,740                  | 84.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01321      | P   | 5,015                  | 29.45 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 3,246                  | 45.50 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01322      | P   | 757                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 7,884                  | 18.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01323      | P   | 9,146                  | 16.16 | 147,790                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 13,532                 | 10.92 | 147,790                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01324      | P   | 8,529                  | 17.32 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 3,902                  | 37.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01325      | P   | 2,831                  | 52.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 5,391                  | 27.40 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01326      | P   | 4,679                  | 31.57 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 2,775                  | 53.23 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01327      | P   | 4,068                  | 36.31 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 1,542                  | 95.79 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01328      | P   | 4,729                  | 31.24 | 147,730                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 44,901                 | 3.29  | 147,730                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01329      | P   | 6,794                  | 21.74 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 5,812                  | 25.41 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01330      | P   | 5,485                  | 26.93 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 168                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01331      | P   | 5,745                  | 25.71 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 453                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01332      | P   | 4,262                  | 34.66 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 441                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01333      | P   | 1,275                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 1,856                  | 79.58 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01334      | P   | 4,693                  | 31.47 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 442                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01335      | P   | 7,072                  | 20.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 255                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01336      | P   | 4,863                  | 30.37 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 475                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01337      | P   | 8,272                  | 17.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 4,895                  | 30.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01338      | P   | 5,037                  | 29.33 | 147,735                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 52,216                 | 2.83  | 147,735                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01339      | P   | 14,908                 | 9.91  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 27,977                 | 5.28  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01340      | P   | 3,421                  | 43.18 | 147,712                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 1,211                  | NS    | 147,712                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01341      | P   | 6,644                  | 22.23 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 365                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01342      | P   | 6,464                  | 22.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 102                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01343      | P   | 3,433                  | 43.03 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|            | S   | 628                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| Fondazione |     | Platea 5               |       |                         |                           |                        |      |                             |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 00149 | P   | 4,236                  | 34.87 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,809                  | 81.65 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00162 | P   | 9,507                  | 15.54 | 147,714                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,738                  | 19.09 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00163 | P   | 4,718                  | 31.31 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,523                  | 26.74 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00164 | P   | 42,500                 | 3.48  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 20,597                 | 7.17  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00165 | P   | 28,320                 | 5.22  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 22,382                 | 6.60  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00166 | P   | 9,287                  | 15.90 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,427                 | 14.17 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00168 | P   | 6,526                  | 22.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.02961                     |
|       | S   | 114,630                | 1.29  | 147,706                 | 0                         | 0                      | 0.00 | 0.04895                     |
| 00169 | P   | 16,277                 | 9.07  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,487                  | 15.57 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00170 | P   | 16,307                 | 9.06  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,648                  | 31.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00171 | P   | 5,709                  | 25.87 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,368                  | 23.20 | 147,749                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00172 | P   | 4,875                  | 30.30 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,735                  | 21.93 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00173 | P   | 407                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 84                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00174 | P   | 652                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 190                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00175 | P   | 2,481                  | 59.54 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 194                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00176 | P   | 9,822                  | 15.04 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 109,934                | 1.34  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00227 | P   | 10,075                 | 14.66 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,645                  | 55.84 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00266 | P   | 4,423                  | 33.40 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 76,698                 | 1.93  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00267 | P   | 60,760                 | 2.43  | 147,811                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 24,109                 | 6.13  | 147,811                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00268 | P   | 3,957                  | 37.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,549                  | 95.36 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00269 | P   | 11,539                 | 12.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,975                  | 74.79 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00270 | P   | 4,821                  | 30.64 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,196                  | 20.53 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00271 | P   | 1,554                  | 95.05 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,422                  | 60.99 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00272 | P   | 32,947                 | 4.48  | 147,720                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 39,634                 | 3.73  | 147,720                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00273 | P   | 643                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,486                  | 59.42 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00274 | P   | 551                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,412                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00275 | P   | 940                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,357                 | 14.26 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00276 | P   | 13,933                 | 10.60 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,388                  | 61.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00277 | P   | 22,923                 | 6.44  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,716                 | 12.61 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00278 | P   | 38,783                 | 3.81  | 147,773                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 66,354                 | 2.23  | 147,773                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00279 | P   | 8,203                  | 18.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 63,314                 | 2.33  | 147,730                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00280 | P   | 12,696                 | 11.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 997                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00281 | P   | 3,874                  | 38.13 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 15,063                 | 9.81  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00371 | P   | 78,210                 | 1.89  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 78,718                 | 1.88  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00372 | P   | 105,862                | 1.40  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 38,184                 | 3.87  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00373 | P   | 41,556                 | 3.56  | 147,792                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 42,056                 | 3.51  | 147,792                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00374 | P   | 38,858                 | 3.80  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 49,084                 | 3.01  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00375 | P   | 6,779                  | 21.79 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 14,084                 | 10.49 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00376 | P   | 6,859                  | 21.53 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,502                 | 12.84 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00377 | P   | 3,587                  | 41.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 28,065                 | 5.26  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00378 | P   | 48,738                 | 3.03  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,135                  | 69.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00379 | P   | 26,020                 | 5.68  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 12,914                 | 11.44 | 147,741                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00380 | P   | 6,577                  | 22.46 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,098                  | 18.24 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00381 | P   | 10,664                 | 13.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,833                  | 30.56 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 00382 | P   | 20,446                 | 7.22  | 147,716                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,535                  | 58.27 | 147,716                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00383 | P   | 40,605                 | 3.65  | 148,146                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,990                  | 49.40 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00384 | P   | 9,273                  | 15.95 | 147,862                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 38,523                 | 3.84  | 147,862                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00385 | P   | 2,039                  | 72.44 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 35,316                 | 4.18  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00386 | P   | 15,249                 | 9.69  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,776                  | 21.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00387 | P   | 6,624                  | 22.30 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,678                  | 88.03 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00388 | P   | 4,800                  | 30.77 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 210                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00389 | P   | 9,088                  | 16.25 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,629                  | 22.28 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00390 | P   | 4,643                  | 31.81 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 22,218                 | 6.65  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00391 | P   | 22,705                 | 6.51  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 36,263                 | 4.07  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00392 | P   | 5,374                  | 27.49 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,677                  | 88.08 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00393 | P   | 4,252                  | 34.74 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 854                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00394 | P   | 2,254                  | 65.53 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,657                  | 55.59 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00395 | P   | 1,399                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 487                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00396 | P   | 1,022                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,587                  | 93.07 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00397 | P   | 446                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,936                  | 76.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00398 | P   | 3,494                  | 42.27 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,419                  | 27.26 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00399 | P   | 1,864                  | 79.24 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 12,439                 | 11.87 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00400 | P   | 1,695                  | 87.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 15,101                 | 9.78  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00401 | P   | 12,238                 | 12.07 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 31,844                 | 4.64  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00402 | P   | 9,942                  | 14.86 | 147,731                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 40,118                 | 3.68  | 147,739                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00403 | P   | 19,827                 | 7.45  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 42,756                 | 3.45  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00404 | P   | 2,022                  | 73.05 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 18,292                 | 8.07  | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00405 | P   | 2,077                  | 71.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 16,591                 | 8.90  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00406 | P   | 4,250                  | 34.75 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,978                  | 18.51 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00407 | P   | 519                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,583                  | 41.22 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00408 | P   | 1,008                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,278                  | 45.06 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00409 | P   | 2,677                  | 55.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,211                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00410 | P   | 4,286                  | 34.46 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,850                  | 38.37 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00411 | P   | 12,388                 | 11.92 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,384                  | 15.74 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00412 | P   | 29,676                 | 4.98  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,753                  | 25.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00413 | P   | 33,509                 | 4.41  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,560                 | 12.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00414 | P   | 6,721                  | 21.98 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 17,930                 | 8.24  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00415 | P   | 1,613                  | 91.57 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,923                  | 50.53 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00416 | P   | 287                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 98                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00417 | P   | 2,537                  | 58.22 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 503                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00418 | P   | 5,333                  | 27.70 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 623                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00419 | P   | 12,725                 | 11.61 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,007                  | 24.59 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00420 | P   | 4,469                  | 33.05 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 20,791                 | 7.10  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00421 | P   | 1,508                  | 97.95 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 38,725                 | 3.82  | 147,882                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00422 | P   | 32,833                 | 4.51  | 148,094                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,357                 | 14.26 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00423 | P   | 16,620                 | 8.89  | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,629                  | 90.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00424 | P   | 10,524                 | 14.04 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,293                  | 23.47 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 00425 | P   | 5,254                  | 28.11 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,006                  | 21.08 | 147,711                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00426 | P   | 22,221                 | 6.65  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,115                 | 14.60 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00427 | P   | 28,085                 | 5.26  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 22,458                 | 6.58  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00428 | P   | 4,178                  | 35.35 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,542                  | 17.29 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00429 | P   | 4,274                  | 34.56 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,512                  | 32.74 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00430 | P   | 7,959                  | 18.56 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 12,493                 | 11.82 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00431 | P   | 43,154                 | 3.42  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 38,558                 | 3.83  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00432 | P   | 117,685                | 1.26  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 23,047                 | 6.41  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00433 | P   | 92,339                 | 1.60  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 15,737                 | 9.39  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00434 | P   | 109,884                | 1.34  | 147,759                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 52,431                 | 2.82  | 147,759                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00435 | P   | 41,281                 | 3.58  | 147,932                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 19,151                 | 7.72  | 147,932                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00436 | P   | 48,814                 | 3.03  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 32,702                 | 4.52  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00437 | P   | 1,479                  | 99.87 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 18,410                 | 8.02  | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00438 | P   | 2,573                  | 57.41 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,118                  | 18.19 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00439 | P   | 240                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,574                  | 41.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00440 | P   | 2,648                  | 55.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,767                  | 39.21 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00441 | P   | 807                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,331                  | 34.10 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00442 | P   | 2,680                  | 55.11 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,611                  | 26.32 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00443 | P   | 4,148                  | 35.61 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 540                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00444 | P   | 999                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,618                  | 19.39 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00445 | P   | 563                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,388                  | 27.41 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00446 | P   | 1,679                  | 87.97 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,983                  | 29.64 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00447 | P   | 828                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,089                  | 36.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00448 | P   | 4,683                  | 31.54 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,832                  | 18.86 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00449 | P   | 4,208                  | 35.10 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 19,065                 | 7.75  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00450 | P   | 44,784                 | 3.30  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 33,776                 | 4.37  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00451 | P   | 31,190                 | 4.74  | 147,924                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 32,626                 | 4.53  | 147,924                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00925 | P   | 18,051                 | 8.19  | 147,845                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 14,148                 | 10.45 | 147,845                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00926 | P   | 24,272                 | 6.09  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 21,234                 | 6.96  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00927 | P   | 438                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,540                  | 32.53 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00928 | P   | 1,822                  | 81.07 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,961                  | 75.32 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00929 | P   | 2,241                  | 65.91 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,584                  | 57.16 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00930 | P   | 327                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 708                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00931 | P   | 28,535                 | 5.18  | 147,706                 | 0                         | 0                      | 0.00 | 0.02961                     |
|       | S   | 153,769                | 1.04  | 810,109                 | 159,450                   | 0                      | 2.50 | 0.04895                     |
| 00932 | P   | 2,340                  | 63.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 137,617                | 1.07  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00933 | P   | 6,813                  | 21.69 | 147,744                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,440                  | 15.65 | 147,744                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00934 | P   | 849                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,253                  | 34.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00935 | P   | 8,521                  | 17.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,934                  | 21.30 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00936 | P   | 1,290                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,803                  | 81.92 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00937 | P   | 568                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,403                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00938 | P   | 1,665                  | 88.71 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,552                  | 95.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00939 | P   | 1,463                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,649                  | 31.77 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00940 | P   | 3,948                  | 37.41 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,210                  | 28.35 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 00941 | P   | 1,210                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,854                  | 38.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00942 | P   | 5,009                  | 29.49 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,586                  | 22.43 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00943 | P   | 3,521                  | 41.95 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,435                  | 33.30 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00944 | P   | 351                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 51                     | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00945 | P   | 2,055                  | 71.88 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,476                  | 42.49 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00946 | P   | 108,564                | 1.36  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 61,630                 | 2.40  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00947 | P   | 11,503                 | 12.84 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,412                  | 19.93 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00948 | P   | 16,148                 | 9.15  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,737                  | 15.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00949 | P   | 1,353                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,906                  | 77.50 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00950 | P   | 6,177                  | 23.91 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,120                  | 35.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00951 | P   | 8,879                  | 16.64 | 147,743                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 11,684                 | 12.64 | 147,743                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00952 | P   | 4,104                  | 35.99 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,632                  | 31.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00953 | P   | 11,128                 | 13.27 | 147,718                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 12,339                 | 11.97 | 147,718                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00954 | P   | 3,588                  | 41.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 14,372                 | 10.28 | 147,751                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00955 | P   | 12,201                 | 12.11 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,015                  | 16.38 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00956 | P   | 2,374                  | 62.23 | 147,745                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,105                  | 24.21 | 147,773                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00957 | P   | 1,374                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 443                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00958 | P   | 8,677                  | 17.02 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,224                  | 66.41 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00959 | P   | 4,153                  | 35.57 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,920                  | 18.65 | 147,741                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00960 | P   | 2,194                  | 67.32 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,692                  | 40.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00961 | P   | 4,651                  | 31.76 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 17,759                 | 8.32  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00962 | P   | 7,895                  | 18.71 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,844                  | 15.00 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00963 | P   | 1,933                  | 76.41 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,813                  | 52.51 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00964 | P   | 2,213                  | 66.75 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,585                  | 93.19 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00965 | P   | 4,476                  | 33.00 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,124                  | 35.82 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00966 | P   | 4,494                  | 32.87 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,015                  | NS    | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00967 | P   | 2,261                  | 65.33 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 966                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00968 | P   | 2,130                  | 69.35 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 386                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00969 | P   | 822                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,701                  | 54.69 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00970 | P   | 323                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,001                  | 73.82 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00971 | P   | 230                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,197                  | 67.23 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00972 | P   | 904                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,885                  | 21.45 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00973 | P   | 870                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,576                  | 57.34 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00974 | P   | 125                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,149                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00975 | P   | 295                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,532                  | 19.61 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00976 | P   | 4,149                  | 35.60 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,534                  | 32.58 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00977 | P   | 2,782                  | 53.09 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,804                  | 52.68 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00978 | P   | 1,569                  | 94.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,784                  | 82.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00979 | P   | 564                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 535                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00980 | P   | 502                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 131                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00981 | P   | 738                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 415                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00982 | P   | 312                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 641                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00983 | P   | 966                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 984                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 00984 | P   | 275                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 624                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00985 | P   | 551                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,511                  | 26.80 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00986 | P   | 1,585                  | 93.19 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,416                  | 27.27 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00987 | P   | 1,899                  | 77.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,629                  | 40.70 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00988 | P   | 1,228                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,280                  | 64.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00989 | P   | 434                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,254                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00990 | P   | 199                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,163                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00991 | P   | 525                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,240                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00992 | P   | 368                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,754                  | 84.21 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00993 | P   | 819                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,371                  | 62.30 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00994 | P   | 192                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,380                  | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00995 | P   | 849                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,912                  | 37.76 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00996 | P   | 357                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,207                  | 35.11 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00997 | P   | 642                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,546                  | 41.65 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00998 | P   | 126                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,248                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 00999 | P   | 243                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 712                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01000 | P   | 286                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,198                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01001 | P   | 691                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,326                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01002 | P   | 355                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,352                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01003 | P   | 1,002                  | NS    | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,919                  | 37.69 | 147,709                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01004 | P   | 2,480                  | 59.56 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,087                  | 36.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01005 | P   | 4,724                  | 31.27 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,660                  | 22.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01006 | P   | 3,482                  | 42.42 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 113                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01007 | P   | 1,687                  | 87.56 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 323                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01008 | P   | 1,953                  | 75.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 81                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01009 | P   | 158                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 194                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01010 | P   | 908                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 32                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01011 | P   | 941                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 55                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01012 | P   | 6,254                  | 23.62 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 126                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01013 | P   | 248                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 908                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01014 | P   | 17,815                 | 8.29  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,928                  | 16.54 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01015 | P   | 146                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,366                  | 33.83 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01016 | P   | 981                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,950                  | 37.39 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01017 | P   | 544                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,307                  | 64.03 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01018 | P   | 358                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 873                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01019 | P   | 334                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,481                  | 99.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01020 | P   | 799                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,565                  | 94.38 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01021 | P   | 276                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,684                  | 87.71 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01022 | P   | 502                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,942                  | 29.89 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01023 | P   | 1,757                  | 84.07 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,156                  | 46.80 | 147,708                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01024 | P   | 2,487                  | 59.39 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,138                  | 35.70 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01025 | P   | 429                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 5,346                  | 27.63 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01026 | P   | 2,009                  | 73.52 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,124                  | 24.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| IdNd  | Dir | V <sub>Ed</sub><br>[N] | CS    | V <sub>Rcd</sub><br>[N] | V <sub>Rsd,s</sub><br>[N] | N <sub>Ed</sub><br>[N] | Ctg° | A <sub>sw</sub><br>[cm²/cm] |
|-------|-----|------------------------|-------|-------------------------|---------------------------|------------------------|------|-----------------------------|
| 01027 | P   | 2,399                  | 61.57 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,973                  | 37.18 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01028 | P   | 1,462                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,278                  | 64.84 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01029 | P   | 699                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,359                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01030 | P   | 39                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 806                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01031 | P   | 457                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 779                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01032 | P   | 426                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 967                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01033 | P   | 866                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,254                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01034 | P   | 58                     | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 288                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01035 | P   | 846                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,415                  | 61.16 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01036 | P   | 1,315                  | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 7,365                  | 20.06 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01037 | P   | 4,800                  | 30.77 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,512                  | 32.74 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01038 | P   | 3,382                  | 43.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,800                  | 52.75 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01039 | P   | 2,003                  | 73.74 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,624                  | 90.95 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01040 | P   | 947                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 129                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01041 | P   | 300                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 737                    | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01042 | P   | 563                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 206                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01043 | P   | 314                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,404                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01044 | P   | 880                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,259                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01045 | P   | 172                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,164                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01046 | P   | 4,952                  | 29.83 | 147,712                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,915                  | 37.73 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01047 | P   | 5,202                  | 28.39 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,106                  | 70.14 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01048 | P   | 4,250                  | 34.76 | 147,716                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,512                  | 97.69 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01049 | P   | 2,485                  | 59.44 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 587                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01050 | P   | 2,939                  | 50.26 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 473                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01051 | P   | 1,281                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,260                  | 34.67 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01052 | P   | 685                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,326                  | 63.50 | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01053 | P   | 438                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,457                  | 60.12 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01054 | P   | 1,155                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 6,111                  | 24.17 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01055 | P   | 792                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,388                  | 61.85 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01056 | P   | 293                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 1,020                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01057 | P   | 5,588                  | 26.43 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 14,950                 | 9.88  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01058 | P   | 7,247                  | 20.38 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 19,022                 | 7.77  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01059 | P   | 2,640                  | 55.96 | 147,747                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 8,181                  | 18.06 | 147,777                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01060 | P   | 1,899                  | 77.78 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 484                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01061 | P   | 10,924                 | 13.52 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,868                  | 30.34 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01062 | P   | 3,477                  | 42.50 | 147,772                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 9,053                  | 16.32 | 147,772                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01063 | P   | 1,789                  | 82.56 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,774                  | 53.25 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01064 | P   | 250                    | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 13,356                 | 11.06 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01065 | P   | 5,362                  | 27.55 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 3,434                  | 43.01 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01066 | P   | 1,239                  | NS    | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,109                  | 70.04 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01067 | P   | 17,450                 | 8.46  | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 10,078                 | 14.66 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01068 | P   | 1,319                  | NS    | 147,707                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 2,788                  | 52.98 | 147,710                 | 0                         | 0                      | 0.00 | 0.00000                     |
| 01069 | P   | 5,816                  | 25.40 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |
|       | S   | 4,385                  | 33.68 | 147,706                 | 0                         | 0                      | 0.00 | 0.00000                     |

| Platee - Taglio fuori piano allo SLU |     |                 |       |                  |                   |                 |              |                       |
|--------------------------------------|-----|-----------------|-------|------------------|-------------------|-----------------|--------------|-----------------------|
| IdNd                                 | Dir | V <sub>Ed</sub> | CS    | V <sub>Rcd</sub> | V <sub>Rsds</sub> | N <sub>Ed</sub> | Ctg $\Theta$ | A <sub>sw</sub>       |
|                                      |     | [N]             |       | [N]              | [N]               | [N]             |              | [cm <sup>2</sup> /cm] |
| 01070                                | P   | 8,744           | 16.90 | 147,732          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 10,976          | 13.46 | 147,732          | 0                 | 0               | 0.00         | 0.00000               |
| 01071                                | P   | 3,982           | 37.09 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 3,959           | 37.31 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01072                                | P   | 7,899           | 18.70 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 3,875           | 38.12 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01073                                | P   | 4,135           | 35.72 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 5,910           | 24.99 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01074                                | P   | 1,763           | 83.78 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 3,759           | 39.29 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01075                                | P   | 4,459           | 33.13 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 6,423           | 23.00 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01076                                | P   | 1,896           | 77.90 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 3,180           | 46.45 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01077                                | P   | 669             | NS    | 147,707          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 868             | NS    | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01078                                | P   | 3,511           | 42.07 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 463             | NS    | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01079                                | P   | 802             | NS    | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 274             | NS    | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01080                                | P   | 2,236           | 66.06 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 374             | NS    | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01081                                | P   | 3,026           | 48.81 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 6,862           | 21.53 | 147,708          | 0                 | 0               | 0.00         | 0.00000               |
| 01082                                | P   | 8,860           | 16.67 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 9,000           | 16.41 | 147,706          | 0                 | 0               | 0.00         | 0.00000               |
| 01083                                | P   | 2,011           | 73.45 | 147,707          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 6,269           | 23.56 | 147,707          | 0                 | 0               | 0.00         | 0.00000               |
| 01084                                | P   | 10,756          | 13.74 | 147,760          | 0                 | 0               | 0.00         | 0.00000               |
|                                      | S   | 4,659           | 31.71 | 147,760          | 0                 | 0               | 0.00         | 0.00000               |

LEGENDA:

|                   |                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IdNd              | Identificativo del nodo.                                                                                                                                                                                                    |
| Dir               | Direzione [P] = principale (asse locale 1) - [S] = secondaria (asse locale 2).                                                                                                                                              |
| V <sub>Ed</sub>   | Taglio di progetto                                                                                                                                                                                                          |
| CS                | Coefficiente di sicurezza ([NS] = Non Significativo se CS $\geq$ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare). |
| V <sub>Rcd</sub>  | Resistenza a taglio compressione del calcestruzzo.                                                                                                                                                                          |
| V <sub>Rsds</sub> | Resistenza a taglio trazione delle cuciture verticali                                                                                                                                                                       |
| N <sub>Ed</sub>   | Sforzo normale di progetto.                                                                                                                                                                                                 |
| Ctg $\Theta$      | Cotangente dell'angolo $\Theta$ utilizzata nella verifica.                                                                                                                                                                  |
| A <sub>sw</sub>   | Area delle armature a taglio.                                                                                                                                                                                               |

Platee - VERIFICHE DELLE TENSIONI DI ESERCIZIO (Fondazione)

| Platee - verifiche delle tensioni di esercizio |     |                                    |                      |                      |                 |                 |       |                |                               |                      |                      |                 |                 |       |                |  |
|------------------------------------------------|-----|------------------------------------|----------------------|----------------------|-----------------|-----------------|-------|----------------|-------------------------------|----------------------|----------------------|-----------------|-----------------|-------|----------------|--|
| Nodo/<br>Tp <sub>rnf</sub>                     | Dir | Compressione calcestruzzo          |                      |                      |                 |                 |       |                | Trazione acciaio              |                      |                      |                 |                 |       |                |  |
|                                                |     | Compressione calcestruzzo rinforzo |                      |                      |                 |                 |       |                | Trazione acciaio/FRP rinforzo |                      |                      |                 |                 |       |                |  |
|                                                |     | IdCmb                              | σ <sub>cc</sub>      | σ <sub>cd,amm</sub>  | N <sub>Ed</sub> | M <sub>Ed</sub> | CS    | Verific<br>ato | IdCmb                         | σ <sub>at</sub>      | σ <sub>td,amm</sub>  | N <sub>Ed</sub> | M <sub>Ed</sub> | CS    | Verific<br>ato |  |
|                                                |     |                                    | [N/mm <sup>2</sup> ] | [N/mm <sup>2</sup> ] | [N]             | [N-m]           |       |                |                               | [N/mm <sup>2</sup> ] | [N/mm <sup>2</sup> ] | [N]             | [N-m]           |       |                |  |
| Fondazione                                     |     | Platea 1                           |                      |                      |                 |                 |       |                |                               |                      |                      |                 |                 |       |                |  |
| 00760                                          | P   | RAR                                | 4.342                | 14.94                | -109            | -68,730         | 3.44  | SI             | RAR                           | 222.270              | 360.00               | -109            | -68,730         | 1.62  | SI             |  |
|                                                |     | QPR                                | 1.747                | 11.21                | -87             | -52,428         | 6.41  | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |
|                                                | S   | RAR                                | 0.293                | 14.94                | -351            | -8,412          | 50.99 | SI             | RAR                           | 3.759                | 360.00               | -353            | -8,412          | 95.76 | SI             |  |
|                                                |     | QPR                                | 0.221                | 11.21                | -283            | -6,339          | 50.76 | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |
| Fondazione                                     |     | Platea 2                           |                      |                      |                 |                 |       |                |                               |                      |                      |                 |                 |       |                |  |
| 00154                                          | P   | RAR                                | 1.368                | 14.94                | -103            | -39,175         | 10.92 | SI             | RAR                           | 17.451               | 360.00               | -103            | -39,175         | 20.63 | SI             |  |
|                                                |     | QPR                                | 1.075                | 11.21                | -81             | -30,772         | 10.43 | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |
|                                                | S   | RAR                                | 5.118                | 14.94                | 166             | -80,992         | 2.92  | SI             | RAR                           | 261.772              | 360.00               | 166             | -80,992         | 1.38  | SI             |  |
|                                                |     | QPR                                | 4.009                | 11.21                | 131             | -63,438         | 2.80  | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |
| Fondazione                                     |     | Platea 3                           |                      |                      |                 |                 |       |                |                               |                      |                      |                 |                 |       |                |  |
| 00291                                          | P   | RAR                                | 1.111                | 14.94                | -2              | -31,799         | 13.45 | SI             | RAR                           | 14.162               | 360.00               | -2              | -31,799         | 25.42 | SI             |  |
|                                                |     | QPR                                | 0.898                | 11.21                | -1              | -25,706         | 12.48 | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |
|                                                | S   | RAR                                | 0.491                | 14.94                | 14              | -14,051         | 30.44 | SI             | RAR                           | 6.257                | 360.00               | 14              | -14,051         | 57.53 | SI             |  |
|                                                |     | QPR                                | 0.401                | 11.21                | 8               | -11,472         | 27.96 | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |
| Fondazione                                     |     | Platea 4                           |                      |                      |                 |                 |       |                |                               |                      |                      |                 |                 |       |                |  |
| 00292                                          | P   | RAR                                | 1.091                | 14.94                | 4               | -31,244         | 13.69 | SI             | RAR                           | 13.915               | 360.00               | 4               | -31,244         | 25.87 | SI             |  |
|                                                |     | QPR                                | 0.881                | 11.21                | 3               | -25,217         | 12.72 | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |
|                                                | S   | RAR                                | 0.461                | 14.94                | 64              | -13,198         | 32.40 | SI             | RAR                           | 5.876                | 360.00               | 64              | -13,198         | 61.27 | SI             |  |
|                                                |     | QPR                                | 0.378                | 11.21                | 42              | -10,809         | 29.67 | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |
| Fondazione                                     |     | Platea 5                           |                      |                      |                 |                 |       |                |                               |                      |                      |                 |                 |       |                |  |
| 00435                                          | P   | RAR                                | 0.142                | 14.94                | -402            | -4,096          | NS    | SI             | RAR                           | 1.839                | 360.00               | -402            | -4,096          | NS    | SI             |  |
|                                                |     | QPR                                | 0.113                | 11.21                | -310            | -3,247          | 99.45 | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |
|                                                | S   | RAR                                | 1.037                | 14.94                | 1,080           | -29,603         | 14.41 | SI             | RAR                           | 13.145               | 360.00               | 1,080           | -29,603         | 27.39 | SI             |  |
|                                                |     | QPR                                | 0.810                | 11.21                | 831             | -23,137         | 13.83 | SI             | -                             | -                    | -                    | -               | -               | -     | -              |  |

LEGENDA:

|                   |                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------|
| Rinf.             | Indica la presenza del rinforzo sulla sezione di verifica.                                                |
| Dir               | Direzione [P] = principale (asse locale 1) - [S] = secondaria (asse locale 2).                            |
| IdCmb             | Identificativo della Combinazione di Azione: [QPR] = Quasi Permanente - [FRQ] = Frequente - [RAR] = Rara. |
| $\sigma_{cc}$     | Tensione massima di compressione nel calcestruzzo della Trave/Rinforzo.                                   |
| $\sigma_{cd,amm}$ | Tensione ammissibile per la verifica a compressione del calcestruzzo.                                     |
| $\sigma_{at}$     | Tensione massima di trazione nell'acciaio della Trave/Rinforzo o nel FRP.                                 |
| $\sigma_{td,amm}$ | Tensione ammissibile per la verifica a trazione dell'acciaio/rinforzo.                                    |
| N <sub>Ed</sub>   | Sollecitazioni di progetto.                                                                               |

| Platee - verifiche delle tensioni di esercizio                                                                                                                                                                                                              |     |                                    |                      |                      |                 |                 |    |                |                               |                      |                      |                 |                 |    |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------|----------------------|----------------------|-----------------|-----------------|----|----------------|-------------------------------|----------------------|----------------------|-----------------|-----------------|----|----------------|
| Nodo/<br>Tp <sub>inf</sub>                                                                                                                                                                                                                                  | Dir | Compressione calcestruzzo          |                      |                      |                 |                 |    |                | Trazione acciaio              |                      |                      |                 |                 |    |                |
|                                                                                                                                                                                                                                                             |     | Compressione calcestruzzo rinforzo |                      |                      |                 |                 |    |                | Trazione acciaio/FRP rinforzo |                      |                      |                 |                 |    |                |
|                                                                                                                                                                                                                                                             |     | IdCmb                              | σ <sub>cc</sub>      | σ <sub>cd,amm</sub>  | N <sub>Ed</sub> | M <sub>Ed</sub> | CS | Verific<br>ato | IdCmb                         | σ <sub>at</sub>      | σ <sub>td,amm</sub>  | N <sub>Ed</sub> | M <sub>Ed</sub> | CS | Verific<br>ato |
|                                                                                                                                                                                                                                                             |     |                                    | [N/mm <sup>2</sup> ] | [N/mm <sup>2</sup> ] | [N]             | [N-m]           |    |                |                               | [N/mm <sup>2</sup> ] | [N/mm <sup>2</sup> ] | [N]             | [N-m]           |    |                |
| <b>M<sub>Ed</sub></b>                                                                                                                                                                                                                                       |     |                                    |                      |                      |                 |                 |    |                |                               |                      |                      |                 |                 |    |                |
| <b>CS</b> Coefficiente di Sicurezza (= σ <sub>cd,amm</sub> /σ <sub>cc</sub> ; σ <sub>td,amm</sub> /σ <sub>at</sub> ). [NS] = Non Significativo (CS ≥ 100).                                                                                                  |     |                                    |                      |                      |                 |                 |    |                |                               |                      |                      |                 |                 |    |                |
| <b>Verificato</b> [SI] = La verifica è soddisfatta (σ <sub>cc</sub> ≤ σ <sub>cd,amm</sub> ; σ <sub>at</sub> ≤ σ <sub>td,amm</sub> ). [NO] = La verifica NON è soddisfatta (σ <sub>cc</sub> > σ <sub>cd,amm</sub> ; σ <sub>at</sub> > σ <sub>td,amm</sub> ). |     |                                    |                      |                      |                 |                 |    |                |                               |                      |                      |                 |                 |    |                |
| <b>Nota</b> Nella tabella, per ogni elemento, viene riportato il nodo della shell che ha il coefficiente di sicurezza (CS) più piccolo.                                                                                                                     |     |                                    |                      |                      |                 |                 |    |                |                               |                      |                      |                 |                 |    |                |

Platee - VERIFICA ALLO STATO LIMITE DI FESSURAZIONE (Fondazione)

| Platee - verifica allo stato limite di fessurazione                                                                                                           |     |                   |                 |                 |                   |                |                 |                |                 |                |                  |      |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|-----------------|-----------------|-------------------|----------------|-----------------|----------------|-----------------|----------------|------------------|------|----------------|
| Nodo                                                                                                                                                          | Dir | Id <sub>Cmb</sub> | N <sub>Ed</sub> | M <sub>Ed</sub> | σ <sub>ct,f</sub> | σ <sub>t</sub> | ε <sub>sm</sub> | A <sub>e</sub> | Δ <sub>sm</sub> | W <sub>d</sub> | W <sub>amm</sub> | CS   | Verificat<br>o |
|                                                                                                                                                               |     |                   | [N]             | [N-m]           | [N/mm²]           | [N/mm²]        |                 | [cm²]          | [mm]            | [mm]           | [mm]             |      |                |
| Fondazione                                                                                                                                                    |     |                   | Platea 1        |                 | AA= PCA           |                |                 |                |                 |                |                  |      |                |
| NOTA: L'elemento NON è fessurato. Di seguito si riporta il nodo strutturale per la quale si riscontra la massima tensione di trazione(max σ <sub>ct,f</sub> ) |     |                   |                 |                 |                   |                |                 |                |                 |                |                  |      |                |
| 00760                                                                                                                                                         | P   | FRQ               | -92             | -55,861         | 1.91              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.400            | -    | SI             |
|                                                                                                                                                               |     | QPR               | -87             | -52,428         | 1.80              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.300            | -    | SI             |
|                                                                                                                                                               | S   | FRQ               | -297            | -6,776          | 0.24              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.400            | -    | SI             |
|                                                                                                                                                               |     | QPR               | -283            | -6,339          | 0.22              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.300            | -    | SI             |
| Fondazione                                                                                                                                                    |     |                   | Platea 2        |                 | AA= PCA           |                |                 |                |                 |                |                  |      |                |
| NOTA: L'elemento è fessurato. Di seguito sono riportati solamente i nodi strutturali per i quali si riscontra la fessurazione(W <sub>d</sub> ≠ 0)             |     |                   |                 |                 |                   |                |                 |                |                 |                |                  |      |                |
| 00154                                                                                                                                                         | P   | FRQ               | -86             | -32,536         | 1.14              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.400            | -    | SI             |
|                                                                                                                                                               |     | QPR               | -81             | -30,772         | 1.08              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.300            | -    | SI             |
|                                                                                                                                                               | S   | FRQ               | 139             | -67,128         | 2.30              | 2.13           | 6.1989 E-04     | 750            | 275             | 0.171          | 0.400            | 2.34 | SI             |
|                                                                                                                                                               |     | QPR               | 131             | -63,438         | 2.17              | 2.13           | 5.8582 E-04     | 750            | 275             | 0.161          | 0.300            | 1.86 | SI             |
| Fondazione                                                                                                                                                    |     |                   | Platea 3        |                 | AA= PCA           |                |                 |                |                 |                |                  |      |                |
| NOTA: L'elemento NON è fessurato. Di seguito si riporta il nodo strutturale per la quale si riscontra la massima tensione di trazione(max σ <sub>ct,f</sub> ) |     |                   |                 |                 |                   |                |                 |                |                 |                |                  |      |                |
| 00291                                                                                                                                                         | P   | FRQ               | -1              | -26,989         | 0.94              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.400            | -    | SI             |
|                                                                                                                                                               |     | QPR               | -1              | -25,706         | 0.90              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.300            | -    | SI             |
|                                                                                                                                                               | S   | FRQ               | 10              | -12,011         | 0.42              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.400            | -    | SI             |
|                                                                                                                                                               |     | QPR               | 8               | -11,472         | 0.40              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.300            | -    | SI             |
| Fondazione                                                                                                                                                    |     |                   | Platea 4        |                 | AA= PCA           |                |                 |                |                 |                |                  |      |                |
| NOTA: L'elemento NON è fessurato. Di seguito si riporta il nodo strutturale per la quale si riscontra la massima tensione di trazione(max σ <sub>ct,f</sub> ) |     |                   |                 |                 |                   |                |                 |                |                 |                |                  |      |                |
| 00292                                                                                                                                                         | P   | FRQ               | 3               | -26,485         | 0.93              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.400            | -    | SI             |
|                                                                                                                                                               |     | QPR               | 3               | -25,217         | 0.88              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.300            | -    | SI             |
|                                                                                                                                                               | S   | FRQ               | 47              | -11,309         | 0.39              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.400            | -    | SI             |
|                                                                                                                                                               |     | QPR               | 42              | -10,809         | 0.38              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.300            | -    | SI             |
| Fondazione                                                                                                                                                    |     |                   | Platea 5        |                 | AA= PCA           |                |                 |                |                 |                |                  |      |                |
| NOTA: L'elemento NON è fessurato. Di seguito si riporta il nodo strutturale per la quale si riscontra la massima tensione di trazione(max σ <sub>ct,f</sub> ) |     |                   |                 |                 |                   |                |                 |                |                 |                |                  |      |                |
| 00435                                                                                                                                                         | P   | FRQ               | -329            | -3,425          | 0.12              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.400            | -    | SI             |
|                                                                                                                                                               |     | QPR               | -310            | -3,247          | 0.11              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.300            | -    | SI             |
|                                                                                                                                                               | S   | FRQ               | 884             | -24,497         | 0.85              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.400            | -    | SI             |
|                                                                                                                                                               |     | QPR               | 831             | -23,137         | 0.81              | 2.13           | 0 E-01          | 0              | 0               | 0.000          | 0.300            | -    | SI             |

LEGENDA:

|                                       |                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dir</b>                            | Direzione [P] = principale (asse locale 1) - [S] = secondaria (asse locale 2).                                                                                                                                                                                                                                                                                      |
| <b>AA</b>                             | Identificativo dell'aggressività dell'ambiente: [PCA] = "Ordinario"; [MDA] = "Aggressivo"; [MLA] = "Molto aggressivo".                                                                                                                                                                                                                                              |
| <b>IdCmb</b>                          | Identificativo della Combinazione di Azione: [QPR] = Quasi Permanente - [FRQ] = Frequente - [RAR] = Rara.                                                                                                                                                                                                                                                           |
| <b>N<sub>Ed</sub>, M<sub>Ed</sub></b> | Sollecitazioni di progetto.                                                                                                                                                                                                                                                                                                                                         |
| <b>σ<sub>ct,f</sub></b>               | Tensione massima di trazione nel calcestruzzo per la fessurazione, calcolata nell'ipotesi di calcestruzzo resistente a trazione. Se tale valore è maggiore di σ <sub>t</sub> la sezione è soggetta a fessurazione.<br>N.B. I valori negativi indicano una sezione interamente compressa. In tal caso le sollecitazioni forniscono il minimo valore di compressione. |
| <b>σ<sub>t</sub></b>                  | Tensione massima di trazione nel calcestruzzo relativa allo stato limite di formazione delle fessure [relazione (4.1.13) del § 4.1.2.2.4 del DM 2018].                                                                                                                                                                                                              |
| <b>ε<sub>sm</sub></b>                 | Deformazione unitaria media delle barre di armatura.                                                                                                                                                                                                                                                                                                                |
| <b>A<sub>e</sub></b>                  | Area efficace del calcestruzzo teso.                                                                                                                                                                                                                                                                                                                                |
| <b>Δ<sub>sm</sub></b>                 | Distanza media tra le fessure.                                                                                                                                                                                                                                                                                                                                      |
| <b>W<sub>d</sub></b>                  | Valore di calcolo di apertura massima delle fessure.                                                                                                                                                                                                                                                                                                                |
| <b>W<sub>amm</sub></b>                | Valore ammissibile di apertura delle fessure.                                                                                                                                                                                                                                                                                                                       |
| <b>CS</b>                             | Coefficiente di Sicurezza (=W <sub>d</sub> / W <sub>amm</sub> ). [NS] = Non Significativo (CS ≥ 100). [-] = Fessurazioni nulle (W <sub>d</sub> = 0).                                                                                                                                                                                                                |
| <b>Verificato</b>                     | [SI] = W <sub>d</sub> ≤ W <sub>amm</sub> ; [NO] = W <sub>d</sub> > W <sub>amm</sub>                                                                                                                                                                                                                                                                                 |

VERIFICHE CARICO LIMITE FONDAZIONI DIRETTE ALLO SLU (Fondazione)

| Verifiche Carico Limite fondazioni dirette allo SLU |      |                |                |                 |                    |                  |             |                    |                    |                    |                |                |                |         |                 |                 |                |
|-----------------------------------------------------|------|----------------|----------------|-----------------|--------------------|------------------|-------------|--------------------|--------------------|--------------------|----------------|----------------|----------------|---------|-----------------|-----------------|----------------|
| IdFnd                                               | CS   | L <sub>x</sub> | L <sub>y</sub> | R <sub>tz</sub> | Z <sub>p.cmp</sub> | Z <sub>Fid</sub> | Cmp T       | C. Terzaghi        |                    |                    |                |                |                |         | Q <sub>Ed</sub> | Q <sub>Rd</sub> | R <sub>f</sub> |
|                                                     |      |                |                |                 |                    |                  |             | per N <sub>q</sub> | per N <sub>c</sub> | per N <sub>r</sub> | N <sub>q</sub> | N <sub>c</sub> | N <sub>r</sub> |         |                 |                 |                |
|                                                     |      | [m]            | [m]            | [°]             | [m]                | [m]              |             |                    |                    |                    |                |                |                | [N/mm²] | [N/mm²]         |                 |                |
| Platea 1                                            | 3.87 | 14.27          | 12.81          | 0.04            | 0.55               | -                | NON Coesivo | 1.43               | 1.20               | 0.50               | 1.00           | 5.14           | 0.00           | 0.029   | 0.113           | NO              |                |
| Platea 2                                            | 1.36 | 25.04          | 14.74          | 90.00           | 0.55               | -                | NON Coesivo | 1.27               | 1.13               | 0.60               | 1.00           | 5.14           | 0.00           | 0.032   | 0.043           | NO              |                |
| Platea 3                                            | 1.57 | 20.98          | 8.81           | 180.00          | 0.55               | -                | NON Coesivo | 1.21               | 1.11               | 0.69               | 1.00           | 5.14           | 0.00           | 0.027   | 0.042           | NO              |                |
| Platea 4                                            | 1.54 | 20.98          | 8.62           | 180.00          | 0.55               | -                | NON Coesivo | 1.21               | 1.11               | 0.70               | 1.00           | 5.14           | 0.00           | 0.027   | 0.042           | NO              |                |
| Platea 5                                            | 1.80 | 13.49          | 8.78           | 90.00           | 0.55               | -                | NON Coesivo | 1.29               | 1.15               | 0.63               | 1.00           | 5.14           | 0.00           | 0.024   | 0.044           | NO              |                |

LEGENDA:

|              |                                                                                                                                                                                                                        |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IdFnd</b> | Descrizione dell'oggetto di fondazione al quale è riferita la verifica.                                                                                                                                                |
| <b>CS</b>    | Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare). |

| Verifiche Carico Limite fondazioni dirette allo SLU |                                                                                                               |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------|----------------|-----|--------------------|------------------|-------|-------------|--------------------|--------------------|--------------------|----------------|----------------|-----------------|-----------------|----------------|
| IdFnd                                               | CS                                                                                                            | L <sub>x</sub> | L <sub>y</sub> | Rtz | Z <sub>P.cmp</sub> | Z <sub>Fld</sub> | Cmp T | C. Terzaghi |                    |                    |                    |                |                | Q <sub>Ed</sub> | Q <sub>Rd</sub> | R <sub>f</sub> |
|                                                     |                                                                                                               |                |                |     |                    |                  |       |             | per N <sub>q</sub> | per N <sub>c</sub> | per N <sub>r</sub> | N <sub>q</sub> | N <sub>c</sub> |                 |                 |                |
|                                                     |                                                                                                               | [m]            | [m]            | [°] | [m]                | [m]              |       |             |                    |                    |                    |                |                | [N/mm²]         | [N/mm²]         |                |
| L <sub>x/y</sub>                                    | Dimensioni dell'elemento di fondazione.                                                                       |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
| Rtz                                                 | Angolo compreso tra l'asse X e il lato più lungo del minimo rettangolo che delimita il poligono della platea. |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
| Z <sub>P.cmp</sub>                                  | Profondità di posa dell'elemento di fondazione dal piano campagna.                                            |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
| Z <sub>Fld</sub>                                    | Profondità della falda dal piano campagna.                                                                    |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
| Cmp T                                               | Classificazione del comportamento del terreno ai fini del calcolo.                                            |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
| C.                                                  | Coefficienti correttivi per la formula di Terzaghi.                                                           |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
| Terzaghi                                            |                                                                                                               |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
| Q <sub>Ed</sub>                                     | Carico di progetto sul terreno.                                                                               |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
| Q <sub>Rd</sub>                                     | Resistenza di progetto del terreno.                                                                           |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |
| R <sub>f</sub>                                      | [SI] = elemento con presenza di rinforzo; [NO] = elemento senza rinforzo.                                     |                |                |     |                    |                  |       |             |                    |                    |                    |                |                |                 |                 |                |

## VERIFICHE CARICO LIMITE FONDAZIONI DIRETTE ALLO SLD (Fondazione)

| Verifiche Carico Limite fondazioni dirette allo SLD |      |       |       |        |        |      |             |             |        |        |      |      |      |         |         |    |     |     |    |
|-----------------------------------------------------|------|-------|-------|--------|--------|------|-------------|-------------|--------|--------|------|------|------|---------|---------|----|-----|-----|----|
| IdFnd                                               | CS   | Lx    | Ly    | Rtz    | Zp.cmp | ZFid | Cmp T       | C. Terzaghi |        |        |      |      |      |         |         |    | QEd | QRd | Rf |
|                                                     |      |       |       |        |        |      |             | per Nq      | per Nc | per Nr | Nq   | Nc   | Nr   |         |         |    |     |     |    |
|                                                     |      | [m]   | [m]   | [°]    | [m]    | [m]  |             |             |        |        |      |      |      | [N/mm²] | [N/mm²] |    |     |     |    |
| Platea 1                                            | 7.24 | 14.27 | 12.81 | 0.04   | 0.55   | -    | NON Coesivo | 1.33        | 1.17   | 0.46   | 1.00 | 5.14 | 0.00 | 0.019   | 0.140   | NO |     |     |    |
| Platea 2                                            | 2.55 | 25.04 | 14.74 | 90.00  | 0.55   | -    | NON Coesivo | 1.18        | 1.10   | 0.55   | 1.00 | 5.14 | 0.00 | 0.021   | 0.053   | NO |     |     |    |
| Platea 3                                            | 2.90 | 20.98 | 8.81  | 180.00 | 0.55   | -    | NON Coesivo | 1.12        | 1.08   | 0.63   | 1.00 | 5.14 | 0.00 | 0.018   | 0.052   | NO |     |     |    |
| Platea 4                                            | 2.85 | 20.98 | 8.62  | 180.00 | 0.55   | -    | NON Coesivo | 1.12        | 1.08   | 0.64   | 1.00 | 5.14 | 0.00 | 0.018   | 0.052   | NO |     |     |    |
| Platea 5                                            | 3.34 | 13.49 | 8.78  | 90.00  | 0.55   | -    | NON Coesivo | 1.21        | 1.12   | 0.57   | 1.00 | 5.14 | 0.00 | 0.016   | 0.054   | NO |     |     |    |

### LEGENDA:

|          |                                                                                                                                                                                                                        |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IdFnd    | Descrizione dell'oggetto di fondazione al quale è riferita la verifica.                                                                                                                                                |
| CS       | Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare). |
| Lx/y     | Dimensioni dell'elemento di fondazione.                                                                                                                                                                                |
| Rtz      | Angolo compreso tra l'asse X e il lato più lungo del minimo rettangolo che delimita il poligono della platea.                                                                                                          |
| Zp.cmp   | Profondità di posa dell'elemento di fondazione dal piano campagna.                                                                                                                                                     |
| ZFid     | Profondità della falda dal piano campagna.                                                                                                                                                                             |
| Cmp T    | Classificazione del comportamento del terreno ai fini del calcolo.                                                                                                                                                     |
| C.       | Coefficienti correttivi per la formula di Terzaghi.                                                                                                                                                                    |
| Terzaghi |                                                                                                                                                                                                                        |
| QEd      | Carico di progetto sul terreno.                                                                                                                                                                                        |
| QRd      | Resistenza di progetto del terreno.                                                                                                                                                                                    |
| Rf       | [SI] = elemento con presenza di rinforzo; [NO] = elemento senza rinforzo.                                                                                                                                              |

## ACCELERAZIONI SISMICHE DI COLLASSO SU BEAM E SHELL

| Accelerazioni Sismiche di Collasso su Beam e Shell |            |                       |                                    |            |                  |                                    |
|----------------------------------------------------|------------|-----------------------|------------------------------------|------------|------------------|------------------------------------|
| IdElm                                              | FLESSIONE  |                       |                                    | TAGLIO     |                  |                                    |
|                                                    | %LLI/Shell | PGA <sub>PF</sub> /RC | PGA <sub>C</sub> /PGA <sub>D</sub> | %LLI/Shell | PGA <sub>T</sub> | PGA <sub>C</sub> /PGA <sub>D</sub> |
|                                                    |            |                       | [%]                                |            |                  | [%]                                |
| <b>Piano Terra</b>                                 |            |                       |                                    |            |                  |                                    |
| Pilastro 138                                       | 0.00 %     | 0.254                 | 117                                | 0.00 %     | 1.196            | 200                                |
| Pilastro 139                                       | 0.00 %     | 0.275                 | 127                                | 0.00 %     | 1.678            | 200                                |
| Pilastro 119                                       | 0.00 %     | 0.255                 | 117                                | 0.00 %     | 1.326            | 200                                |
| Pilastro 120                                       | 0.00 %     | 0.254                 | 117                                | 0.00 %     | 1.875            | 200                                |
| Pilastro 97                                        | 0.00 %     | 0.256                 | 118                                | 0.00 %     | 1.890            | 200                                |
| Pilastro 81                                        | 0.00 %     | 0.299                 | 138                                | 0.00 %     | 1.707            | 200                                |
| Pilastro 65                                        | 0.00 %     | 0.372                 | 171                                | 0.00 %     | 0.982            | 200                                |
| Pilastro 82                                        | 0.00 %     | 0.284                 | 131                                | 0.00 %     | 0.858            | 200                                |
| Pilastro 83                                        | 0.00 %     | 0.292                 | 135                                | 0.00 %     | 1.092            | 200                                |
| Pilastro 11                                        | 0.00 %     | 0.252                 | 116                                | 0.00 %     | 1.671            | 200                                |
| Pilastro 96                                        | 0.00 %     | 0.284                 | 131                                | 0.00 %     | 1.468            | 200                                |
| Pilastro 79                                        | 0.00 %     | 0.257                 | 119                                | 0.00 %     | 1.629            | 200                                |
| Pilastro 131                                       | 0.00 %     | 0.836                 | 200                                | 0.00 %     | 1.718            | 200                                |
| Pilastro 122                                       | 0.00 %     | 43.351                | 200                                | -          | -                | -                                  |
| Pilastro 132                                       | 0.00 %     | 2.043                 | 200                                | 0.00 %     | 27.013           | 200                                |
| Pilastro 123                                       | 0.00 %     | 21.941                | 200                                | 0.00 %     | 109.564          | 200                                |
| Pilastro 110                                       | 0.00 %     | 656.697               | 200                                | -          | -                | -                                  |
| Pilastro 111                                       | 0.00 %     | 71.826                | 200                                | -          | -                | -                                  |
| Pilastro 112                                       | 0.00 %     | 1.863                 | 200                                | 0.00 %     | 15.654           | 200                                |
| Pilastro 113                                       | 0.00 %     | 2.828                 | 200                                | 0.00 %     | 15.685           | 200                                |
| Pilastro 125                                       | 0.00 %     | 1.663                 | 200                                | 0.00 %     | 14.757           | 200                                |
| Pilastro 124                                       | 0.00 %     | 1.249                 | 200                                | 0.00 %     | 9.384            | 200                                |
| Pilastro 133                                       | 0.00 %     | 0.737                 | 200                                | 0.00 %     | 2.012            | 200                                |
| Pilastro 98                                        | 0.00 %     | 1.829                 | 200                                | 0.00 %     | 11.445           | 200                                |
| Pilastro 100                                       | 0.00 %     | 0.344                 | 159                                | 0.00 %     | 0.434            | 200                                |
| Pilastro 101                                       | 0.00 %     | 1.141                 | 200                                | 0.00 %     | 10.062           | 200                                |
| Pilastro 109                                       | 0.00 %     | 2.237                 | 200                                | 0.00 %     | 15.682           | 200                                |
| Pilastro 121                                       | 0.00 %     | 1.629                 | 200                                | 0.00 %     | 15.097           | 200                                |
| Pilastro 122                                       | 0.00 %     | 1.214                 | 200                                | 0.00 %     | 9.863            | 200                                |
| Pilastro 110                                       | 0.00 %     | 2.985                 | 200                                | 0.00 %     | 15.898           | 200                                |
| Pilastro 89                                        | 0.00 %     | 3.616                 | 200                                | 0.00 %     | 27.356           | 200                                |
| Pilastro 90                                        | 0.00 %     | 2.537                 | 200                                | 0.00 %     | 21.899           | 200                                |
| Pilastro 91                                        | 0.00 %     | 4.764                 | 200                                | 0.00 %     | 22.443           | 200                                |
| Pilastro 92                                        | 0.00 %     | 3.384                 | 200                                | 0.00 %     | 33.517           | 200                                |
| Pilastro 93                                        | 0.00 %     | 6.210                 | 200                                | 0.00 %     | 27.161           | 200                                |

| Accelerazioni Sismiche di Collasso su Beam e Shell |            |                      |                                    |            |                  |                                    |
|----------------------------------------------------|------------|----------------------|------------------------------------|------------|------------------|------------------------------------|
| IdElm                                              | FLESSIONE  |                      |                                    | TAGLIO     |                  |                                    |
|                                                    | %LLI/Shell | PGA <sub>PF/RC</sub> | PGA <sub>c</sub> /PGA <sub>D</sub> | %LLI/Shell | PGA <sub>T</sub> | PGA <sub>c</sub> /PGA <sub>D</sub> |
|                                                    |            |                      | [%]                                |            |                  | [%]                                |
| Pilastro 57                                        | 0.00 %     | 3.269                | 200                                | 0.00 %     | 27.916           | 200                                |
| Pilastro 58                                        | 0.00 %     | 10.349               | 200                                | 0.00 %     | 28.522           | 200                                |
| Pilastro 59                                        | 0.00 %     | 6.214                | 200                                | 0.00 %     | 23.416           | 200                                |
| Pilastro 60                                        | 0.00 %     | 5.565                | 200                                | 0.00 %     | 57.939           | 200                                |
| Pilastro 61                                        | 0.00 %     | 3.519                | 200                                | 0.00 %     | 13.010           | 200                                |
| Pilastro 76                                        | 0.00 %     | 1.778                | 200                                | 0.00 %     | 10.255           | 200                                |
| Pilastro 74                                        | 0.00 %     | 2.582                | 200                                | 0.00 %     | 24.617           | 200                                |
| Pilastro 134                                       | 0.00 %     | 0.863                | 200                                | 0.00 %     | 2.119            | 200                                |
| Pilastro 127                                       | 0.00 %     | 43.351               | 200                                | -          | -                | -                                  |
| Pilastro 135                                       | 0.00 %     | 2.417                | 200                                | 0.00 %     | 27.335           | 200                                |
| Pilastro 128                                       | 0.00 %     | 3.922                | 200                                | 0.00 %     | 40.033           | 200                                |
| Pilastro 115                                       | 0.00 %     | 656.697              | 200                                | -          | -                | -                                  |
| Pilastro 116                                       | 0.00 %     | 3.968                | 200                                | 0.00 %     | 39.889           | 200                                |
| Pilastro 117                                       | 0.00 %     | 2.606                | 200                                | 0.00 %     | 18.988           | 200                                |
| Pilastro 130                                       | 0.00 %     | 1.989                | 200                                | 0.00 %     | 15.779           | 200                                |
| Pilastro 129                                       | 0.00 %     | 1.762                | 200                                | 0.00 %     | 10.300           | 200                                |
| Pilastro 136                                       | 0.00 %     | 0.526                | 200                                | 0.00 %     | 3.106            | 200                                |
| Pilastro 102                                       | 0.00 %     | 0.898                | 200                                | 0.00 %     | 8.169            | 200                                |
| Pilastro 104                                       | 0.00 %     | 0.255                | 117                                | 0.00 %     | 0.434            | 200                                |
| Pilastro 105                                       | 0.00 %     | 2.224                | 200                                | 0.00 %     | 11.343           | 200                                |
| Pilastro 114                                       | 0.00 %     | 3.716                | 200                                | 0.00 %     | 18.646           | 200                                |
| Pilastro 126                                       | 0.00 %     | 2.491                | 200                                | 0.00 %     | 20.845           | 200                                |
| Pilastro 127                                       | 0.00 %     | 1.758                | 200                                | 0.00 %     | 12.498           | 200                                |
| Pilastro 115                                       | 0.00 %     | 1.820                | 200                                | 0.00 %     | 16.606           | 200                                |
| Pilastro 3                                         | 0.00 %     | 0.732                | 200                                | 0.00 %     | 2.005            | 200                                |
| Pilastro 15                                        | 0.00 %     | 656.697              | 200                                | -          | -                | -                                  |
| Pilastro 2                                         | 0.00 %     | 2.430                | 200                                | 0.00 %     | 27.447           | 200                                |
| Pilastro 14                                        | 0.00 %     | 20.286               | 200                                | 0.00 %     | 117.280          | 200                                |
| Pilastro 28                                        | 0.00 %     | 656.697              | 200                                | -          | -                | -                                  |
| Pilastro 27                                        | 0.00 %     | 35.821               | 200                                | 0.00 %     | 144.501          | 200                                |
| Pilastro 26                                        | 0.00 %     | 2.311                | 200                                | 0.00 %     | 16.808           | 200                                |
| Pilastro 25                                        | 0.00 %     | 2.149                | 200                                | 0.00 %     | 15.267           | 200                                |
| Pilastro 12                                        | 0.00 %     | 1.602                | 200                                | 0.00 %     | 14.821           | 200                                |
| Pilastro 13                                        | 0.00 %     | 1.175                | 200                                | 0.00 %     | 9.695            | 200                                |
| Pilastro 1                                         | 0.00 %     | 0.836                | 200                                | 0.00 %     | 1.721            | 200                                |
| Pilastro 43                                        | 0.00 %     | 1.578                | 200                                | 0.00 %     | 11.067           | 200                                |
| Pilastro 42                                        | 0.00 %     | 0.458                | 200                                | 0.00 %     | 1.003            | 200                                |
| Pilastro 40                                        | 0.00 %     | 2.400                | 200                                | 0.00 %     | 17.869           | 200                                |
| Pilastro 29                                        | 0.00 %     | 2.662                | 200                                | 0.00 %     | 15.102           | 200                                |
| Pilastro 16                                        | 0.00 %     | 1.626                | 200                                | 0.00 %     | 14.778           | 200                                |
| Pilastro 15                                        | 0.00 %     | 1.233                | 200                                | 0.00 %     | 9.332            | 200                                |
| Pilastro 28                                        | 0.00 %     | 2.781                | 200                                | 0.00 %     | 16.220           | 200                                |
| Pilastro 6                                         | 0.00 %     | 0.749                | 200                                | 0.00 %     | 1.589            | 200                                |
| Pilastro 20                                        | 0.00 %     | 656.697              | 200                                | -          | -                | -                                  |
| Pilastro 5                                         | 0.00 %     | 2.298                | 200                                | 0.00 %     | 26.572           | 200                                |
| Pilastro 19                                        | 0.00 %     | 5.253                | 200                                | 0.00 %     | 45.973           | 200                                |
| Pilastro 33                                        | 0.00 %     | 656.697              | 200                                | -          | -                | -                                  |
| Pilastro 32                                        | 0.00 %     | 12.281               | 200                                | 0.00 %     | 289.630          | 200                                |
| Pilastro 31                                        | 0.00 %     | 3.534                | 200                                | 0.00 %     | 17.377           | 200                                |
| Pilastro 30                                        | 0.00 %     | 2.420                | 200                                | 0.00 %     | 14.632           | 200                                |
| Pilastro 17                                        | 0.00 %     | 1.581                | 200                                | 0.00 %     | 14.904           | 200                                |
| Pilastro 18                                        | 0.00 %     | 0.979                | 200                                | 0.00 %     | 8.080            | 200                                |
| Pilastro 4                                         | 0.00 %     | 0.811                | 200                                | 0.00 %     | 1.685            | 200                                |
| Pilastro 47                                        | 0.00 %     | 1.730                | 200                                | 0.00 %     | 17.442           | 200                                |
| Pilastro 46                                        | 0.00 %     | 0.289                | 133                                | 0.00 %     | 0.434            | 200                                |
| Pilastro 44                                        | 0.00 %     | 1.371                | 200                                | 0.00 %     | 10.778           | 200                                |
| Pilastro 34                                        | 0.00 %     | 2.077                | 200                                | 0.00 %     | 12.761           | 200                                |
| Pilastro 21                                        | 0.00 %     | 1.256                | 200                                | 0.00 %     | 12.650           | 200                                |
| Pilastro 20                                        | 0.00 %     | 0.824                | 200                                | 0.00 %     | 8.710            | 200                                |
| Pilastro 33                                        | 0.00 %     | 1.838                | 200                                | 0.00 %     | 16.476           | 200                                |
| Pilastro 8                                         | 0.00 %     | 0.222                | 103                                | 0.00 %     | 1.569            | 200                                |
| Pilastro 24                                        | 0.00 %     | 0.226                | 104                                | 0.00 %     | 2.606            | 200                                |
| Pilastro 37                                        | 0.00 %     | 0.250                | 115                                | 0.00 %     | 2.652            | 200                                |
| Pilastro 36                                        | 0.00 %     | 0.242                | 112                                | 0.00 %     | 1.174            | 200                                |
| Pilastro 35                                        | 0.00 %     | 0.217                | 100                                | 0.00 %     | 1.806            | 200                                |
| Pilastro 22                                        | 0.00 %     | 0.219                | 101                                | 0.00 %     | 1.859            | 200                                |
| Pilastro 23                                        | 0.00 %     | 0.247                | 114                                | 0.00 %     | 1.188            | 200                                |
| Pilastro 7                                         | 0.00 %     | 0.241                | 111                                | 0.00 %     | 1.290            | 200                                |
| Pilastro 49                                        | 0.00 %     | 0.257                | 118                                | 0.00 %     | 1.245            | 200                                |
| Pilastro 48                                        | 0.00 %     | 0.220                | 101                                | 0.00 %     | 1.203            | 200                                |
| Pilastro 53                                        | 0.00 %     | 0.515                | 200                                | 0.00 %     | 1.574            | 200                                |
| Pilastro 54                                        | 0.00 %     | 43.351               | 200                                | -          | -                | -                                  |
| Pilastro 69                                        | 0.00 %     | 71.826               | 200                                | -          | -                | -                                  |
| Pilastro 70                                        | 0.00 %     | 13.471               | 200                                | 0.00 %     | 318.731          | 200                                |
| Pilastro 55                                        | 0.00 %     | 656.697              | 200                                | -          | -                | -                                  |
| Pilastro 71                                        | 0.00 %     | 71.826               | 200                                | -          | -                | -                                  |
| Pilastro 87                                        | 0.00 %     | 2.617                | 200                                | 0.00 %     | 14.806           | 200                                |
| Pilastro 108                                       | 0.00 %     | 2.518                | 200                                | 0.00 %     | 14.413           | 200                                |
| Pilastro 107                                       | 0.00 %     | 1.412                | 200                                | 0.00 %     | 13.656           | 200                                |
| Pilastro 86                                        | 0.00 %     | 1.723                | 200                                | 0.00 %     | 14.324           | 200                                |
| Pilastro 85                                        | 0.00 %     | 0.876                | 200                                | 0.00 %     | 1.763            | 200                                |
| Pilastro 56                                        | 0.00 %     | 1.468                | 200                                | 0.00 %     | 10.330           | 200                                |
| Pilastro 73                                        | 0.00 %     | 0.233                | 107                                | 0.00 %     | 0.434            | 200                                |
| Pilastro 88                                        | 0.00 %     | 0.761                | 200                                | 0.00 %     | 8.049            | 200                                |
| Pilastro 39                                        | 0.00 %     | 1.050                | 200                                | 0.00 %     | 8.560            | 200                                |

| IdElm         | FLESSIONE  |                      |                                    |         | Accelerazioni Sismiche di Collasso su Beam e Shell |                  |     |
|---------------|------------|----------------------|------------------------------------|---------|----------------------------------------------------|------------------|-----|
|               | %LLI/Shell | PGA <sub>PF/RC</sub> | PGA <sub>c</sub> /PGA <sub>d</sub> | [%]     | TAGLIO                                             |                  | [%] |
|               |            |                      |                                    |         | %LLI/Shell                                         | PGA <sub>T</sub> |     |
| Pilastro 38   | 0.00 %     | 0.620                | 200                                | 0.00 %  |                                                    | 8.316            | 200 |
| Pilastro 54   | 0.00 %     | 0.810                | 200                                | 0.00 %  |                                                    | 7.559            | 200 |
| Pilastro 55   | 0.00 %     | 1.023                | 200                                | 0.00 %  |                                                    | 9.594            | 200 |
| Pilastro 94   | 0.00 %     | 3.634                | 200                                | 0.00 %  |                                                    | 16.244           | 200 |
| Pilastro 95   | 0.00 %     | 1.905                | 200                                | 0.00 %  |                                                    | 13.998           | 200 |
| Pilastro 77   | 0.00 %     | 2.023                | 200                                | 0.00 %  |                                                    | 11.661           | 200 |
| Pilastro 78   | 0.00 %     | 0.752                | 200                                | 0.00 %  |                                                    | 5.694            | 200 |
| Pilastro 62   | 0.00 %     | 4.361                | 200                                | 0.00 %  |                                                    | 17.786           | 200 |
| Pilastro 63   | 0.00 %     | 1.868                | 200                                | 0.00 %  |                                                    | 9.351            | 200 |
| Pilastro 80   | 0.00 %     | 0.276                | 127                                | 0.00 %  |                                                    | 0.650            | 200 |
| Pilastro 64   | 0.00 %     | 0.271                | 125                                | 0.00 %  |                                                    | 1.200            | 200 |
| Pilastro 68   | 0.00 %     | 0.218                | 101                                | 0.00 %  |                                                    | 1.082            | 200 |
| Pilastro 99   | 0.00 %     | 2.535                | 200                                | 0.00 %  |                                                    | 16.881           | 200 |
| Pilastro 103  | 0.00 %     | 3.008                | 200                                | 0.00 %  |                                                    | 15.505           | 200 |
| Pilastro 41   | 0.00 %     | 3.803                | 200                                | 0.00 %  |                                                    | 20.385           | 200 |
| Pilastro 45   | 0.00 %     | 2.021                | 200                                | 0.00 %  |                                                    | 20.435           | 200 |
| Pilastro 72   | 0.00 %     | 1.978                | 200                                | 0.00 %  |                                                    | 21.865           | 200 |
| Pilastro 106  | 0.00 %     | 2.532                | 200                                | 0.00 %  |                                                    | 16.342           | 200 |
| Pilastro 137  | 0.00 %     | 1.461                | 200                                | 0.00 %  |                                                    | 12.339           | 200 |
| Pilastro 118  | 0.00 %     | 5.053                | 200                                | 0.00 %  |                                                    | 32.324           | 200 |
| Pilastro 75   | 0.00 %     | 1.116                | 200                                | 0.00 %  |                                                    | 7.021            | 200 |
| Pilastro 66   | 0.00 %     | 0.267                | 123                                | 0.00 %  |                                                    | 1.618            | 200 |
| Pilastro 67   | 0.00 %     | 0.290                | 134                                | 0.00 %  |                                                    | 0.914            | 200 |
| Pilastro 50   | 0.00 %     | 0.250                | 116                                | 0.00 %  |                                                    | 1.222            | 200 |
| Pilastro 51   | 0.00 %     | 0.309                | 143                                | 0.00 %  |                                                    | 1.281            | 200 |
| Pilastro 52   | 0.00 %     | 0.263                | 121                                | 0.00 %  |                                                    | 0.774            | 200 |
| Pilastro 10   | 0.00 %     | 0.261                | 120                                | 0.00 %  |                                                    | 0.932            | 200 |
| Pilastro 9    | 0.00 %     | 0.282                | 130                                | 0.00 %  |                                                    | 0.960            | 200 |
| Pilastro 84   | 0.00 %     | 0.223                | 103                                | 0.00 %  |                                                    | 1.565            | 200 |
| Trave 82-83   | 100.00 %   | 0.249                | 115                                | 25.00 % |                                                    | 1.400            | 200 |
| Trave 119-138 | 87.50 %    | 0.265                | 122                                | 25.00 % |                                                    | 1.001            | 200 |
| Trave 96-97   | 100.00 %   | 0.503                | 200                                | 87.50 % |                                                    | 7.860            | 200 |
| Trave 120-139 | 100.00 %   | 0.297                | 137                                | 12.50 % |                                                    | 3.429            | 200 |
| Trave 81-97   | 0.00 %     | 0.423                | 195                                | 87.50 % |                                                    | 5.158            | 200 |
| Trave 121-122 | 87.50 %    | 0.407                | 188                                | 62.50 % |                                                    | 3.712            | 200 |
| Trave 109-110 | 87.50 %    | 0.429                | 198                                | 62.50 % |                                                    | 4.892            | 200 |
| Trave 124-125 | 12.50 %    | 0.461                | 200                                | 37.50 % |                                                    | 3.639            | 200 |
| Trave 112-113 | 12.50 %    | 0.433                | 200                                | 37.50 % |                                                    | 4.789            | 200 |
| Trave 100-101 | 12.50 %    | 0.493                | 200                                | 25.00 % |                                                    | 4.170            | 200 |
| Trave 98-100  | 87.50 %    | 0.521                | 200                                | 75.00 % |                                                    | 4.283            | 200 |
| Trave 20a-133 | 87.50 %    | 0.443                | 200                                | 75.00 % |                                                    | 2.003            | 200 |
| Trave 131-20a | 12.50 %    | 0.435                | 200                                | 25.00 % |                                                    | 2.190            | 200 |
| Trave 100-20a | 0.00 %     | 0.655                | 200                                | 12.50 % |                                                    | 12.216           | 200 |
| Trave 109-121 | 12.50 %    | 3.164                | 200                                | 25.00 % |                                                    | 18.144           | 200 |
| Trave 110-122 | 87.50 %    | 1.327                | 200                                | 75.00 % |                                                    | 12.820           | 200 |
| Trave 112-124 | 87.50 %    | 1.140                | 200                                | 75.00 % |                                                    | 11.168           | 200 |
| Trave 113-125 | 12.50 %    | 2.735                | 200                                | 25.00 % |                                                    | 15.871           | 200 |
| Trave 124-133 | 37.50 %    | 0.831                | 200                                | 37.50 % |                                                    | 12.841           | 200 |
| Trave 122-131 | 37.50 %    | 0.764                | 200                                | 37.50 % |                                                    | 11.964           | 200 |
| Trave 98-110  | 12.50 %    | 0.435                | 200                                | 62.50 % |                                                    | 3.554            | 200 |
| Trave 101-112 | 12.50 %    | 0.413                | 191                                | 37.50 % |                                                    | 2.763            | 200 |
| Trave 126-127 | 87.50 %    | 0.467                | 200                                | 62.50 % |                                                    | 3.685            | 200 |
| Trave 114-115 | 87.50 %    | 0.434                | 200                                | 62.50 % |                                                    | 4.833            | 200 |
| Trave 130-18a | 0.00 %     | 0.799                | 200                                | 12.50 % |                                                    | 16.298           | 200 |
| Trave 104-105 | 12.50 %    | 0.473                | 200                                | 25.00 % |                                                    | 4.963            | 200 |
| Trave 136-21a | 12.50 %    | 0.527                | 200                                | 25.00 % |                                                    | 2.392            | 200 |
| Trave 134-21a | 12.50 %    | 0.479                | 200                                | 25.00 % |                                                    | 2.587            | 200 |
| Trave 104-21a | 0.00 %     | 0.680                | 200                                | 12.50 % |                                                    | 14.310           | 200 |
| Trave 114-126 | 12.50 %    | 2.668                | 200                                | 25.00 % |                                                    | 15.827           | 200 |
| Trave 115-127 | 87.50 %    | 1.200                | 200                                | 75.00 % |                                                    | 10.418           | 200 |
| Trave 117-129 | 87.50 %    | 0.798                | 200                                | 75.00 % |                                                    | 8.401            | 200 |
| Trave 130-137 | 25.00 %    | 0.593                | 200                                | 37.50 % |                                                    | 3.461            | 200 |
| Trave 129-136 | 37.50 %    | 0.549                | 200                                | 37.50 % |                                                    | 5.223            | 200 |
| Trave 127-134 | 37.50 %    | 0.875                | 200                                | 37.50 % |                                                    | 16.832           | 200 |
| Trave 102-115 | 12.50 %    | 0.298                | 138                                | 37.50 % |                                                    | 2.115            | 200 |
| Trave 105-117 | 25.00 %    | 1.028                | 200                                | 62.50 % |                                                    | 7.008            | 200 |
| Trave 15-16   | 12.50 %    | 0.462                | 200                                | 37.50 % |                                                    | 3.644            | 200 |
| Trave 28-29   | 12.50 %    | 0.448                | 200                                | 37.50 % |                                                    | 4.876            | 200 |
| Trave 12-13   | 87.50 %    | 0.470                | 200                                | 62.50 % |                                                    | 3.716            | 200 |
| Trave 25-26   | 87.50 %    | 0.444                | 200                                | 62.50 % |                                                    | 4.963            | 200 |
| Trave 40-42   | 87.50 %    | 0.574                | 200                                | 75.00 % |                                                    | 4.549            | 200 |
| Trave 42-43   | 12.50 %    | 0.544                | 200                                | 25.00 % |                                                    | 4.489            | 200 |
| Trave 1-1a    | 12.50 %    | 0.434                | 200                                | 25.00 % |                                                    | 2.164            | 200 |
| Trave 1a-3    | 87.50 %    | 0.445                | 200                                | 75.00 % |                                                    | 2.017            | 200 |
| Trave 1a-42   | 100.00 %   | 0.673                | 200                                | 87.50 % |                                                    | 12.460           | 200 |
| Trave 16-29   | 87.50 %    | 2.797                | 200                                | 75.00 % |                                                    | 16.312           | 200 |
| Trave 15-28   | 12.50 %    | 1.054                | 200                                | 25.00 % |                                                    | 11.133           | 200 |
| Trave 13-26   | 12.50 %    | 1.221                | 200                                | 25.00 % |                                                    | 12.485           | 200 |
| Trave 12-25   | 87.50 %    | 3.143                | 200                                | 75.00 % |                                                    | 18.396           | 200 |
| Trave 1-13    | 62.50 %    | 0.855                | 200                                | 62.50 % |                                                    | 11.679           | 200 |
| Trave 3-15    | 62.50 %    | 0.937                | 200                                | 62.50 % |                                                    | 12.360           | 200 |
| Trave 28-43   | 87.50 %    | 0.316                | 146                                | 37.50 % |                                                    | 2.885            | 200 |
| Trave 26-40   | 100.00 %   | 0.501                | 200                                | 37.50 % |                                                    | 3.557            | 200 |
| Trave 20-21   | 12.50 %    | 0.400                | 185                                | 37.50 % |                                                    | 3.613            | 200 |
| Trave 33-34   | 12.50 %    | 0.454                | 200                                | 37.50 % |                                                    | 4.972            | 200 |

|               |            |                      |                                    | Accelerazioni Sismiche di Collasso su Beam e Shell |                  |                                    |
|---------------|------------|----------------------|------------------------------------|----------------------------------------------------|------------------|------------------------------------|
| IdElm         | FLESSIONE  |                      |                                    | TAGLIO                                             |                  |                                    |
|               | %LLI/Shell | PGA <sub>PF/RC</sub> | PGA <sub>c</sub> /PGA <sub>d</sub> | %LLI/Shell                                         | PGA <sub>T</sub> | PGA <sub>c</sub> /PGA <sub>d</sub> |
|               |            |                      | [%]                                |                                                    |                  | [%]                                |
| Trave 17-18   | 87.50 %    | 0.464                | 200                                | 62.50 %                                            | 3.711            | 200                                |
| Trave 30-31   | 87.50 %    | 0.442                | 200                                | 62.50 %                                            | 4.760            | 200                                |
| Trave 46-47   | 12.50 %    | 0.543                | 200                                | 25.00 %                                            | 4.601            | 200                                |
| Trave 4-2a    | 12.50 %    | 0.353                | 163                                | 25.00 %                                            | 1.551            | 200                                |
| Trave 2a-6    | 87.50 %    | 0.343                | 158                                | 75.00 %                                            | 1.757            | 200                                |
| Trave 2a-46   | 100.00 %   | 0.610                | 200                                | 87.50 %                                            | 9.608            | 200                                |
| Trave 21-34   | 87.50 %    | 2.706                | 200                                | 75.00 %                                            | 17.570           | 200                                |
| Trave 20-33   | 12.50 %    | 1.209                | 200                                | 25.00 %                                            | 12.675           | 200                                |
| Trave 18-31   | 12.50 %    | 1.104                | 200                                | 25.00 %                                            | 10.791           | 200                                |
| Trave 17-30   | 87.50 %    | 2.136                | 200                                | 75.00 %                                            | 14.064           | 200                                |
| Trave 4-18    | 62.50 %    | 0.818                | 200                                | 62.50 %                                            | 11.232           | 200                                |
| Trave 6-20    | 62.50 %    | 0.790                | 200                                | 62.50 %                                            | 9.342            | 200                                |
| Trave 33-47   | 12.50 %    | 0.542                | 200                                | 37.50 %                                            | 3.572            | 200                                |
| Trave 31-44   | 87.50 %    | 0.395                | 182                                | 37.50 %                                            | 2.352            | 200                                |
| Trave 22-23   | 87.50 %    | 0.290                | 134                                | 62.50 %                                            | 1.444            | 200                                |
| Trave 35-36   | 87.50 %    | 0.325                | 150                                | 62.50 %                                            | 1.541            | 200                                |
| Trave 48-49   | 12.50 %    | 0.320                | 148                                | 75.00 %                                            | 2.504            | 200                                |
| Trave 7-8     | 0.00 %     | 0.238                | 110                                | 75.00 %                                            | 2.117            | 200                                |
| Trave 37-49   | 100.00 %   | 0.432                | 199                                | 37.50 %                                            | 1.842            | 200                                |
| Trave 23-36   | 87.50 %    | 0.322                | 149                                | 25.00 %                                            | 2.187            | 200                                |
| Trave 22-35   | 12.50 %    | 0.352                | 162                                | 25.00 %                                            | 2.309            | 200                                |
| Trave 7-23    | 0.00 %     | 0.277                | 128                                | 62.50 %                                            | 1.949            | 200                                |
| Trave 36-48   | 0.00 %     | 0.286                | 132                                | 37.50 %                                            | 1.299            | 200                                |
| Trave 38-54   | 87.50 %    | 0.393                | 181                                | 62.50 %                                            | 3.231            | 200                                |
| Trave 39-55   | 87.50 %    | 0.436                | 200                                | 62.50 %                                            | 5.042            | 200                                |
| Trave 86-107  | 12.50 %    | 0.412                | 190                                | 37.50 %                                            | 3.224            | 200                                |
| Trave 87-108  | 12.50 %    | 0.428                | 198                                | 37.50 %                                            | 4.975            | 200                                |
| Trave 73-88   | 12.50 %    | 0.373                | 172                                | 25.00 %                                            | 3.358            | 200                                |
| Trave 56-73   | 87.50 %    | 0.526                | 200                                | 75.00 %                                            | 4.049            | 200                                |
| Trave 12a-85  | 87.50 %    | 0.389                | 180                                | 75.00 %                                            | 1.595            | 200                                |
| Trave 53-12a  | 12.50 %    | 0.360                | 166                                | 25.00 %                                            | 1.616            | 200                                |
| Trave 12a-73  | 100.00 %   | 0.535                | 200                                | 87.50 %                                            | 7.917            | 200                                |
| Trave 38-39   | 87.50 %    | 1.915                | 200                                | 75.00 %                                            | 10.733           | 200                                |
| Trave 54-55   | 12.50 %    | 0.969                | 200                                | 25.00 %                                            | 10.035           | 200                                |
| Trave 86-87   | 12.50 %    | 0.974                | 200                                | 25.00 %                                            | 9.151            | 200                                |
| Trave 107-108 | 0.00 %     | 4.049                | 200                                | 75.00 %                                            | 22.626           | 200                                |
| Trave 85-86   | 62.50 %    | 0.880                | 200                                | 62.50 %                                            | 13.688           | 200                                |
| Trave 53-54   | 75.00 %    | 0.725                | 200                                | 62.50 %                                            | 6.254            | 200                                |
| Trave 55-56   | 25.00 %    | 1.259                | 200                                | 37.50 %                                            | 7.355            | 200                                |
| Trave 87-88   | 100.00 %   | 0.327                | 151                                | 37.50 %                                            | 1.883            | 200                                |
| Trave 97-120  | 0.00 %     | 0.618                | 200                                | 12.50 %                                            | 13.600           | 200                                |
| Trave 119-120 | 0.00 %     | 0.478                | 200                                | 87.50 %                                            | 7.027            | 200                                |
| Trave 68-11a  | 87.50 %    | 0.501                | 200                                | 25.00 %                                            | 4.091            | 200                                |
| Trave 80-11a  | 0.00 %     | 0.251                | 116                                | 12.50 %                                            | 2.899            | 200                                |
| Trave 64-68   | 0.00 %     | 0.312                | 144                                | 87.50 %                                            | 3.065            | 200                                |
| Trave 64-80   | 100.00 %   | 0.231                | 107                                | 25.00 %                                            | 1.173            | 200                                |
| Trave 89-90   | 87.50 %    | 1.783                | 200                                | 75.00 %                                            | 15.027           | 200                                |
| Trave 57-58   | 12.50 %    | 2.565                | 200                                | 25.00 %                                            | 21.064           | 200                                |
| Trave 89-98   | 0.00 %     | 0.676                | 200                                | 12.50 %                                            | 7.863            | 200                                |
| Trave 57-74   | 87.50 %    | 1.415                | 200                                | 75.00 %                                            | 14.607           | 200                                |
| Trave 61-76   | 25.00 %    | 1.201                | 200                                | 25.00 %                                            | 6.352            | 200                                |
| Trave 76-93   | 12.50 %    | 1.090                | 200                                | 25.00 %                                            | 16.960           | 200                                |
| Trave 74-89   | 12.50 %    | 1.373                | 200                                | 25.00 %                                            | 15.178           | 200                                |
| Trave 90-99   | 50.00 %    | 2.772                | 200                                | 12.50 %                                            | 20.919           | 200                                |
| Trave 90-91   | 87.50 %    | 1.397                | 200                                | 75.00 %                                            | 18.114           | 200                                |
| Trave 91-101  | 100.00 %   | 0.765                | 200                                | 75.00 %                                            | 5.427            | 200                                |
| Trave 92-91   | 0.00 %     | 1.038                | 200                                | 12.50 %                                            | 22.105           | 200                                |
| Trave 92-102  | 100.00 %   | 0.674                | 200                                | 12.50 %                                            | 4.581            | 200                                |
| Trave 93-103  | 0.00 %     | 1.385                | 200                                | 12.50 %                                            | 22.349           | 200                                |
| Trave 40-57   | 0.00 %     | 0.930                | 200                                | 87.50 %                                            | 6.801            | 200                                |
| Trave 41-58   | 62.50 %    | 3.263                | 200                                | 87.50 %                                            | 21.822           | 200                                |
| Trave 43-59   | 0.00 %     | 0.661                | 200                                | 25.00 %                                            | 4.455            | 200                                |
| Trave 44-60   | 0.00 %     | 0.564                | 200                                | 87.50 %                                            | 3.878            | 200                                |
| Trave 45-61   | 100.00 %   | 1.649                | 200                                | 87.50 %                                            | 20.246           | 200                                |
| Trave 98-99   | 100.00 %   | 3.149                | 200                                | 87.50 %                                            | 161.827          | 200                                |
| Trave 101-102 | 0.00 %     | 1.169                | 200                                | 87.50 %                                            | 184.893          | 200                                |
| Trave 99-101  | 0.00 %     | 2.982                | 200                                | 12.50 %                                            | 131.358          | 200                                |
| Trave 102-104 | 87.50 %    | 0.519                | 200                                | 75.00 %                                            | 4.578            | 200                                |
| Trave 44-46   | 87.50 %    | 0.571                | 200                                | 75.00 %                                            | 4.427            | 200                                |
| Trave 60-59   | 0.00 %     | 1.008                | 200                                | 12.50 %                                            | 22.257           | 200                                |
| Trave 58-59   | 87.50 %    | 1.363                | 200                                | 75.00 %                                            | 18.534           | 200                                |
| Trave 60-61   | 12.50 %    | 0.832                | 200                                | 25.00 %                                            | 6.817            | 200                                |
| Trave 41-40   | 0.00 %     | 2.656                | 200                                | 12.50 %                                            | 301.456          | 200                                |
| Trave 43-41   | 100.00 %   | 2.741                | 200                                | 87.50 %                                            | 213.365          | 200                                |
| Trave 44-43   | 0.00 %     | 1.161                | 200                                | 87.50 %                                            | 296.056          | 200                                |
| Trave 4a-49   | 100.00 %   | 0.898                | 200                                | 87.50 %                                            | 32.069           | 200                                |
| Trave 88-89   | 0.00 %     | 0.541                | 200                                | 87.50 %                                            | 5.302            | 200                                |
| Trave 72-74   | 50.00 %    | 2.995                | 200                                | 87.50 %                                            | 34.518           | 200                                |
| Trave 7a-57   | 100.00 %   | 0.920                | 200                                | 87.50 %                                            | 57.781           | 200                                |
| Trave 7a-72   | 100.00 %   | 1.548                | 200                                | 87.50 %                                            | 90.747           | 200                                |
| Trave 92-93   | 12.50 %    | 0.852                | 200                                | 75.00 %                                            | 6.163            | 200                                |
| Trave 93-94   | 12.50 %    | 0.916                | 200                                | 25.00 %                                            | 7.076            | 200                                |
| Trave 61-62   | 12.50 %    | 1.143                | 200                                | 25.00 %                                            | 19.751           | 200                                |
| Trave 78-95   | 12.50 %    | 0.941                | 200                                | 25.00 %                                            | 8.266            | 200                                |
| Trave 63-78   | 12.50 %    | 0.937                | 200                                | 25.00 %                                            | 8.027            | 200                                |

| Accelerazioni Sismiche di Collasso su Beam e Shell |            |                      |                                    |            |                  |                                    |
|----------------------------------------------------|------------|----------------------|------------------------------------|------------|------------------|------------------------------------|
| Id <sub>Elm</sub>                                  | FLESSIONE  |                      |                                    | TAGLIO     |                  |                                    |
|                                                    | %LLI/Shell | PGA <sub>PF/RC</sub> | PGA <sub>C</sub> /PGA <sub>D</sub> | %LLI/Shell | PGA <sub>T</sub> | PGA <sub>C</sub> /PGA <sub>D</sub> |
|                                                    |            |                      | [%]                                |            |                  | [%]                                |
| Trave 94-105                                       | 0.00 %     | 1.605                | 200                                | 12.50 %    | 19.422           | 200                                |
| Trave 106-118                                      | 0.00 %     | 1.543                | 200                                | 12.50 %    | 12.360           | 200                                |
| Trave 102-103                                      | 100.00 %   | 3.318                | 200                                | 87.50 %    | 151.406          | 200                                |
| Trave 103-105                                      | 0.00 %     | 2.353                | 200                                | 12.50 %    | 322.371          | 200                                |
| Trave 118-130                                      | 12.50 %    | 0.597                | 200                                | 25.00 %    | 4.589            | 200                                |
| Trave 137-136                                      | 87.50 %    | 0.618                | 200                                | 75.00 %    | 8.693            | 200                                |
| Trave 19a-137                                      | 100.00 %   | 0.857                | 200                                | 87.50 %    | 9.556            | 200                                |
| Trave 129-130                                      | 87.50 %    | 0.717                | 200                                | 62.50 %    | 6.831            | 200                                |
| Trave 117-118                                      | 87.50 %    | 0.597                | 200                                | 62.50 %    | 4.581            | 200                                |
| Trave 95-106                                       | 0.00 %     | 1.415                | 200                                | 12.50 %    | 23.905           | 200                                |
| Trave 76-77                                        | 0.00 %     | 0.999                | 200                                | 12.50 %    | 52.869           | 200                                |
| Trave 63-6a                                        | 37.50 %    | 0.991                | 200                                | 12.50 %    | 106.508          | 200                                |
| Trave 77-94                                        | 0.00 %     | 1.016                | 200                                | 12.50 %    | 50.256           | 200                                |
| Trave 62-77                                        | 0.00 %     | 0.941                | 200                                | 12.50 %    | 31.974           | 200                                |
| Trave 9a-78                                        | 50.00 %    | 0.882                | 200                                | 87.50 %    | 45.330           | 200                                |
| Trave 78-77                                        | 0.00 %     | 0.986                | 200                                | 12.50 %    | 47.716           | 200                                |
| Trave 105-106                                      | 87.50 %    | 0.903                | 200                                | 62.50 %    | 9.538            | 200                                |
| Trave 118-17a                                      | 25.00 %    | 0.868                | 200                                | 37.50 %    | 10.113           | 200                                |
| Trave 17a-18a                                      | 0.00 %     | 0.701                | 200                                | 12.50 %    | 9.176            | 200                                |
| Trave 18a-19a                                      | 100.00 %   | 1.126                | 200                                | 87.50 %    | 5.149            | 200                                |
| Trave 79-96                                        | 87.50 %    | 0.316                | 146                                | 75.00 %    | 1.792            | 200                                |
| Trave 14a-15a                                      | 0.00 %     | 2.850                | 200                                | 25.00 %    | 85.313           | 200                                |
| Trave 106-14a                                      | 0.00 %     | 0.975                | 200                                | 12.50 %    | 54.201           | 200                                |
| Trave 13a-14a                                      | 100.00 %   | 3.721                | 200                                | 75.00 %    | 142.464          | 200                                |
| Trave 95-13a                                       | 0.00 %     | 0.843                | 200                                | 12.50 %    | 45.344           | 200                                |
| Trave 105-16a                                      | 0.00 %     | 1.196                | 200                                | 12.50 %    | 12.915           | 200                                |
| Trave 118-16a                                      | 0.00 %     | 1.559                | 200                                | 25.00 %    | 92.975           | 200                                |
| Trave 15a-118                                      | 100.00 %   | 0.951                | 200                                | 75.00 %    | 22.073           | 200                                |
| Trave 10a-9a                                       | 62.50 %    | 1.811                | 200                                | 87.50 %    | 148.902          | 200                                |
| Trave 9a-13a                                       | 100.00 %   | 2.005                | 200                                | 87.50 %    | 281.961          | 200                                |
| Trave 62-63                                        | 87.50 %    | 0.649                | 200                                | 62.50 %    | 7.014            | 200                                |
| Trave 47-62                                        | 100.00 %   | 0.793                | 200                                | 87.50 %    | 5.443            | 200                                |
| Trave 49-68                                        | 12.50 %    | 0.408                | 188                                | 62.50 %    | 1.267            | 200                                |
| Trave 4a-64                                        | 75.00 %    | 0.437                | 200                                | 62.50 %    | 3.002            | 200                                |
| Trave 3a-63                                        | 75.00 %    | 0.736                | 200                                | 62.50 %    | 8.416            | 200                                |
| Trave 44-45                                        | 100.00 %   | 3.255                | 200                                | 87.50 %    | 195.831          | 200                                |
| Trave 45-47                                        | 0.00 %     | 2.419                | 200                                | 12.50 %    | 282.770          | 200                                |
| Trave 47-3a                                        | 100.00 %   | 2.654                | 200                                | 87.50 %    | 121.811          | 200                                |
| Trave 5a-6a                                        | 100.00 %   | 1.470                | 200                                | 75.00 %    | 57.567           | 200                                |
| Trave 3a-5a                                        | 0.00 %     | 0.833                | 200                                | 12.50 %    | 138.991          | 200                                |
| Trave 10-11                                        | 100.00 %   | 0.241                | 111                                | 75.00 %    | 1.547            | 200                                |
| Trave 79-81                                        | 0.00 %     | 0.257                | 119                                | 12.50 %    | 1.994            | 200                                |
| Trave 6a-10a                                       | 0.00 %     | 0.914                | 200                                | 12.50 %    | 60.154           | 200                                |
| Trave 138-139                                      | 100.00 %   | 0.238                | 110                                | 12.50 %    | 2.101            | 200                                |
| Trave 94-95                                        | 87.50 %    | 0.913                | 200                                | 62.50 %    | 17.187           | 200                                |
| Trave 75-92                                        | 12.50 %    | 1.121                | 200                                | 25.00 %    | 18.718           | 200                                |
| Trave 60-75                                        | 87.50 %    | 1.680                | 200                                | 75.00 %    | 16.831           | 200                                |
| Trave 75-76                                        | 100.00 %   | 0.848                | 200                                | 87.50 %    | 29.644           | 200                                |
| Trave 11a-82                                       | 100.00 %   | 0.291                | 134                                | 87.50 %    | 4.962            | 200                                |
| Trave 65-82                                        | 100.00 %   | 0.390                | 180                                | 12.50 %    | 3.505            | 200                                |
| Trave 8-9                                          | 0.00 %     | 0.297                | 137                                | 12.50 %    | 3.486            | 200                                |
| Trave 66-83                                        | 100.00 %   | 0.226                | 104                                | 12.50 %    | 3.540            | 200                                |
| Trave 9-10                                         | 0.00 %     | 0.247                | 114                                | 75.00 %    | 1.525            | 200                                |
| Trave 49-50                                        | 0.00 %     | 0.653                | 200                                | 12.50 %    | 24.633           | 200                                |
| Trave 9-50                                         | 50.00 %    | 0.820                | 200                                | 87.50 %    | 8.549            | 200                                |
| Trave 10-51                                        | 0.00 %     | 0.752                | 200                                | 87.50 %    | 9.370            | 200                                |
| Trave 50-51                                        | 0.00 %     | 0.413                | 190                                | 12.50 %    | 7.890            | 200                                |
| Trave 8a-65                                        | 100.00 %   | 1.213                | 200                                | 87.50 %    | 24.163           | 200                                |
| Trave 50-65                                        | 100.00 %   | 0.221                | 102                                | 0.00 %     | 1.393            | 200                                |
| Trave 65-66                                        | 0.00 %     | 0.445                | 200                                | 12.50 %    | 7.173            | 200                                |
| Trave 51-66                                        | 0.00 %     | 0.219                | 101                                | 0.00 %     | 1.419            | 200                                |
| Trave 67-84                                        | 87.50 %    | 0.330                | 152                                | 25.00 %    | 1.526            | 200                                |
| Trave 51-52                                        | 100.00 %   | 0.303                | 140                                | 12.50 %    | 5.951            | 200                                |
| Trave 11-52                                        | 0.00 %     | 0.374                | 172                                | 87.50 %    | 2.452            | 200                                |
| Trave 66-67                                        | 100.00 %   | 0.320                | 147                                | 12.50 %    | 5.631            | 200                                |
| Trave 52-67                                        | 87.50 %    | 0.219                | 101                                | 37.50 %    | 0.544            | 200                                |
| Trave 96-119                                       | 100.00 %   | 0.406                | 187                                | 25.00 %    | 3.388            | 200                                |
| Trave 24-37                                        | 87.50 %    | 0.670                | 200                                | 75.00 %    | 3.050            | 200                                |
| Trave 8-24                                         | 25.00 %    | 0.324                | 149                                | 62.50 %    | 1.501            | 200                                |
| Trave 84-83                                        | 0.00 %     | 0.235                | 108                                | 75.00 %    | 1.300            | 200                                |

LEGENDA:

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Id<sub>Elm</sub></b>                | Identificativo dell'elemento strutturale.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>%LLI/Shell</b>                      | Nel caso di elementi Beam: %LLI = Posizione della sezione per la quale si registra la minima PGA, valutata come % della lunghezza libera d'inflessione dell'elemento (LLI), a partire dal suo estremo iniziale (0% = estremo iniziale, 100% = estremo finale).<br>Nel caso di elementi Shell: Shell = identificativo dei nodi della shell per la quale si registra la minima PGA.                                          |
| <b>PGA<sub>PF/RC</sub></b>             | Accelerazione sismica di collasso per PRESSOFLESSIONE o FLESSIONE/ROTAZIONE ALLA CORDA. [0] = l'elemento risulta non verificato già per i carichi verticali presenti nella combinazione sismica $[G_k + \sum_i (\psi_{2,i} \cdot Q_{k,i})]$ .<br>N.B.: per gli elementi beam (travi e pilastri), nel caso di calcolo Non Lineare, la PGA è quella relativa al meccanismo di collasso per verifica di rotazione alla corda. |
| <b>PGA<sub>T</sub></b>                 | Accelerazione sismica di collasso per TAGLIO. [0] = l'elemento risulta non verificato già per i carichi verticali presenti nella combinazione sismica $[G_k + \sum_i (\psi_{2,i} \cdot Q_{k,i})]$ .                                                                                                                                                                                                                        |
| <b>PGA<sub>C</sub>/PGA<sub>D</sub></b> | Rapporto tra la PGA di "capacità" (PGA <sub>C</sub> ) dell'elemento e quella di "domanda" (PGA <sub>D</sub> = S <sub>S</sub> · S <sub>T</sub> · a <sub>g</sub> /g). [200] = PGA <sub>C</sub> > 2 · PGA <sub>D</sub> .                                                                                                                                                                                                      |

## ACCELERAZIONI SISMICHE DI COLLASSO PER CARICO LIMITE

| Id <sub>Elm</sub> | Accelerazioni Sismiche di Collasso per Carico Limite |                                           |
|-------------------|------------------------------------------------------|-------------------------------------------|
|                   | PGA <sub>QI</sub>                                    | PGA <sub>C</sub> /PGA <sub>D</sub><br>[%] |
| <b>Fondazione</b> |                                                      |                                           |
| Platea 1          | 2.678                                                | 200                                       |
| Platea 2          | 0.902                                                | 200                                       |
| Platea 3          | 1.029                                                | 200                                       |
| Platea 4          | 1.013                                                | 200                                       |
| Platea 5          | 1.185                                                | 200                                       |

### LEGENDA:

**Id<sub>Elm</sub>** Identificativo dell'elemento strutturale.

**PGA<sub>QI</sub>** Accelerazione sismica di collasso per CAPACITA' LIMITE del TERRENO di FONDAZIONE. [0] = l'elemento risulta non verificato già per i carichi verticali presenti nella combinazione sismica  $[G_k + \sum_i (\psi_{2,i} \cdot Q_{k,i})]$ .

**PGA<sub>C</sub>/PGA<sub>D</sub>** Rapporto tra la PGA di "capacità" (PGA<sub>C</sub>) dell'elemento e quella di "domanda" (PGA<sub>D</sub> =  $S_S \cdot S_T \cdot a_g/g$ ). [200] = PGA<sub>C</sub> > 2·PGA<sub>D</sub>.

## ACCELERAZIONI SISMICHE DI COLLASSO PER SPOSTAMENTI INTERPIANO

| Id <sub>Piano</sub> | Accelerazioni Sismiche di Collasso per Spostamenti Interpiano |                                           |                    |                                           |
|---------------------|---------------------------------------------------------------|-------------------------------------------|--------------------|-------------------------------------------|
|                     | SLD                                                           |                                           | SLO                |                                           |
|                     | PGA <sub>Int</sub>                                            | PGA <sub>C</sub> /PGA <sub>D</sub><br>[%] | PGA <sub>Int</sub> | PGA <sub>C</sub> /PGA <sub>D</sub><br>[%] |
| <b>Fondazione</b>   |                                                               |                                           |                    |                                           |
| <b>Piano Terra</b>  |                                                               |                                           |                    |                                           |
| Piano Terra         | 0.562                                                         | 200                                       | -                  | -                                         |

### LEGENDA:

**Id<sub>Piano</sub>** Identificativo del livello o piano.

**PGA<sub>Int</sub>** Accelerazione sismica di collasso minima per SPOSTAMENTO D'INTERPIANO. [NS] = Non significativo per valori di PGA<sub>Int</sub> >= 1000.

**PGA<sub>C</sub>/PGA<sub>D</sub>** Rapporto tra la PGA di "capacità" (PGA<sub>C</sub>) dell'elemento e quella di "domanda" (PGA<sub>D</sub> =  $S_S \cdot S_T \cdot a_g/g$ ). [200] = PGA<sub>C</sub> > 2·PGA<sub>D</sub>.

|                                                                                               |      |    |
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