

## Reviewer's form for thesis evaluation

### 1. Identification of the student

|                |  |
|----------------|--|
| Student:       | JOSEPH ROMEO MATEO DIÑO  |
| Thesis:        | Numerical investigation of the robustness of extended end-plate bolted beam-to-column joints subjected to column removal |
| Institution:   | University of Napoli Federico II   |
| Academic year: | 2016/2017  |

### 2. Identification of the reviewer

|              |                                  |
|--------------|----------------------------------|
| Name:        | Attilio De Martino               |
| Institution: | University of Napoli Federico II |
| Position:    | Full Professor                   |

### 3. Fulfillment of thesis goals

excellent     above aver.     average     below aver.     weak

Comments: The work presented in this thesis fulfilled the expected objectives. The results are very interesting

### 4. Academic/scientific/technical quality

excellent     above aver.     average     below aver.     weak

Comments: The research activity developed in this thesis is well organized and well carried out. The candidate carried out comprehensive parametric finite element analyses on the behavior of stiffened joints under column loss. The Candidate investigated the influence of transverse beams on the joint robustness. The results are interesting.

### 5. Formal arrangement of the thesis and level of language

|  |                                      |                                  |                                      |                               |
|--|--------------------------------------|----------------------------------|--------------------------------------|-------------------------------|
| excellent <input checked="" type="checkbox"/>            | above aver. <input type="checkbox"/> | average <input type="checkbox"/> | below aver. <input type="checkbox"/> | weak <input type="checkbox"/> |
| Comments: The thesis is well written and well organized. |                                      |                                  |                                      |                               |

### 6. Further comments

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|---|
| For future extension of the work it is suggested to validate analytical models on the basis of the obtained finite element results. |
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### 7. Grade: B (very good)

Use the following scale

|               |               |          |                  |                |          |
|---------------|---------------|----------|------------------|----------------|----------|
| A (excellent) | B (very good) | C (good) | D (satisfactory) | E (sufficient) | F (fail) |
|---------------|---------------|----------|------------------|----------------|----------|

Place Napoli

14 February 2017

The Reviewer



Signature