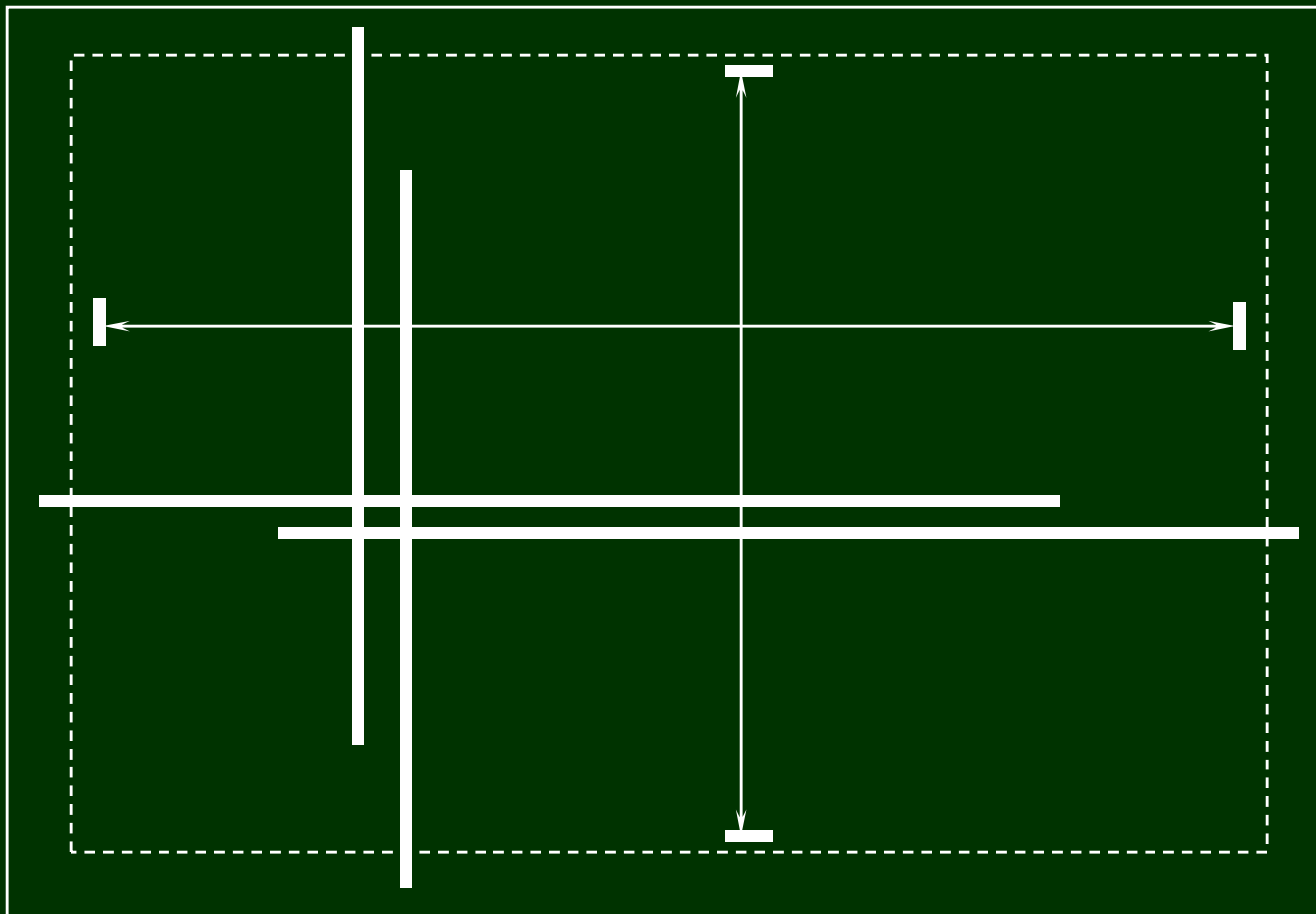


# CONCRETE REVIEW OF DESIGN OF STRUCTURE



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# GOVERNING SPECIFICATIONS

- *The basic set of instructions according to which structure had been designed must be known and evaluated at the outset.*
- *Loads and stresses must be governed by the same set of instructions.*
- *The review should be made in line with the agreed set of instructions.*



# BEAMS

*The following items should be reviewed carefully:*

- ❖ *Deflection (Thickness)* 9.5.2
- ❖ *Cover* 7.7
- ❖ *Minimum Steel and Ductility Requirement* 10.5
- ❖ *Shear Reinforcement* 11.3, .5
- ❖ *Torsion Steel where required* 11.6
- ❖ *Development of Steel at Critical Locations* 12.10-.14

# COLUMNS

*Supporting System*

*The load combinations for columns should be selected with utmost care.*

- ❖ *Specifications* [10.8-10.17](#)
- ❖ *Bearing of column on footing* [10.17](#)
- ❖ *Steel Limit* [10.9](#)
- ❖ *Splice Requirements* [12.16,.17](#)
- ❖ *Transfer of Moments* [11.11](#)
- ❖ *Development of Steel*

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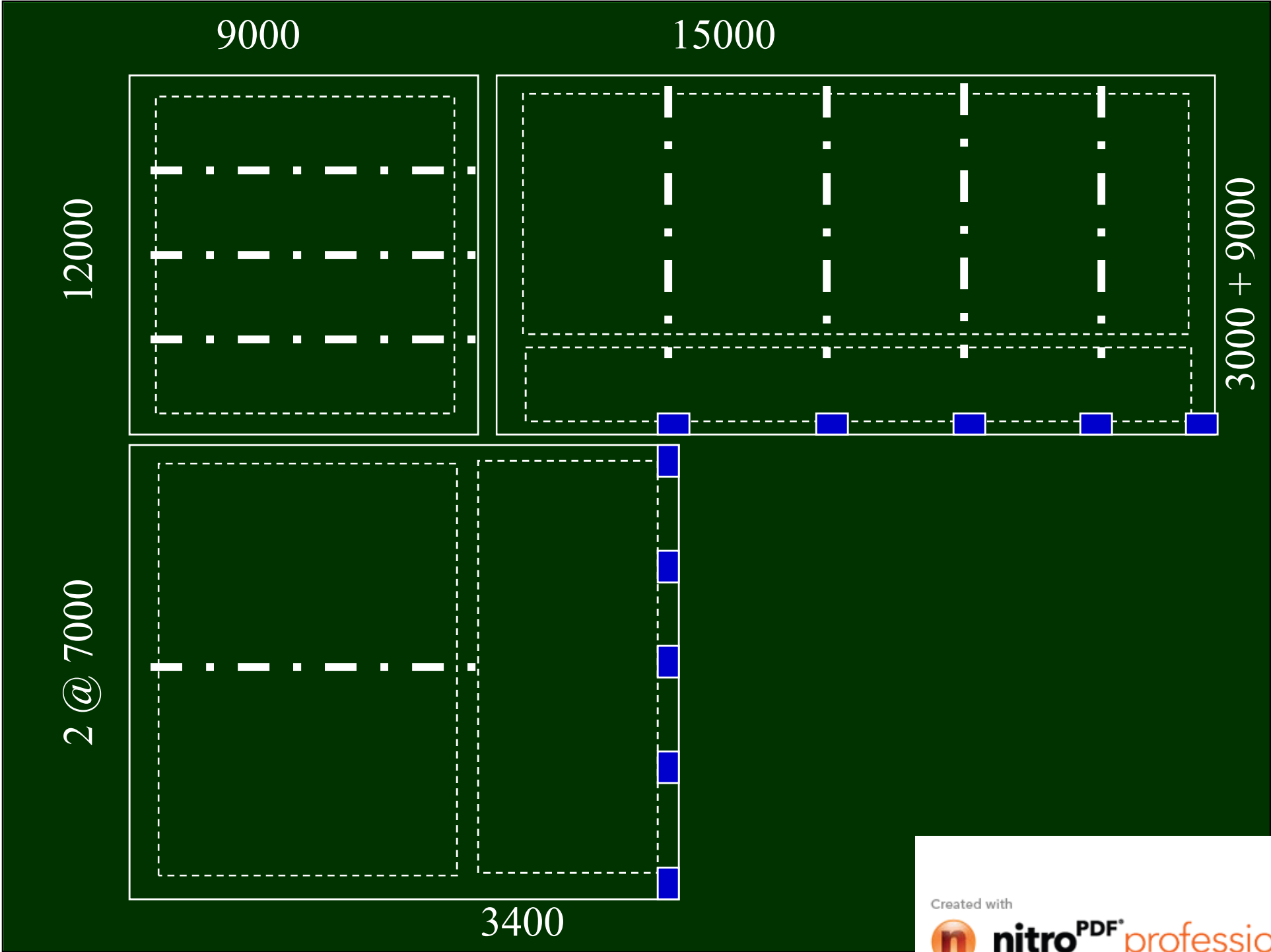
# CONNECTIONS *Joining System*

*The beam to column and column to footing connections should be detailed carefully paying attention to developing all the steels.*

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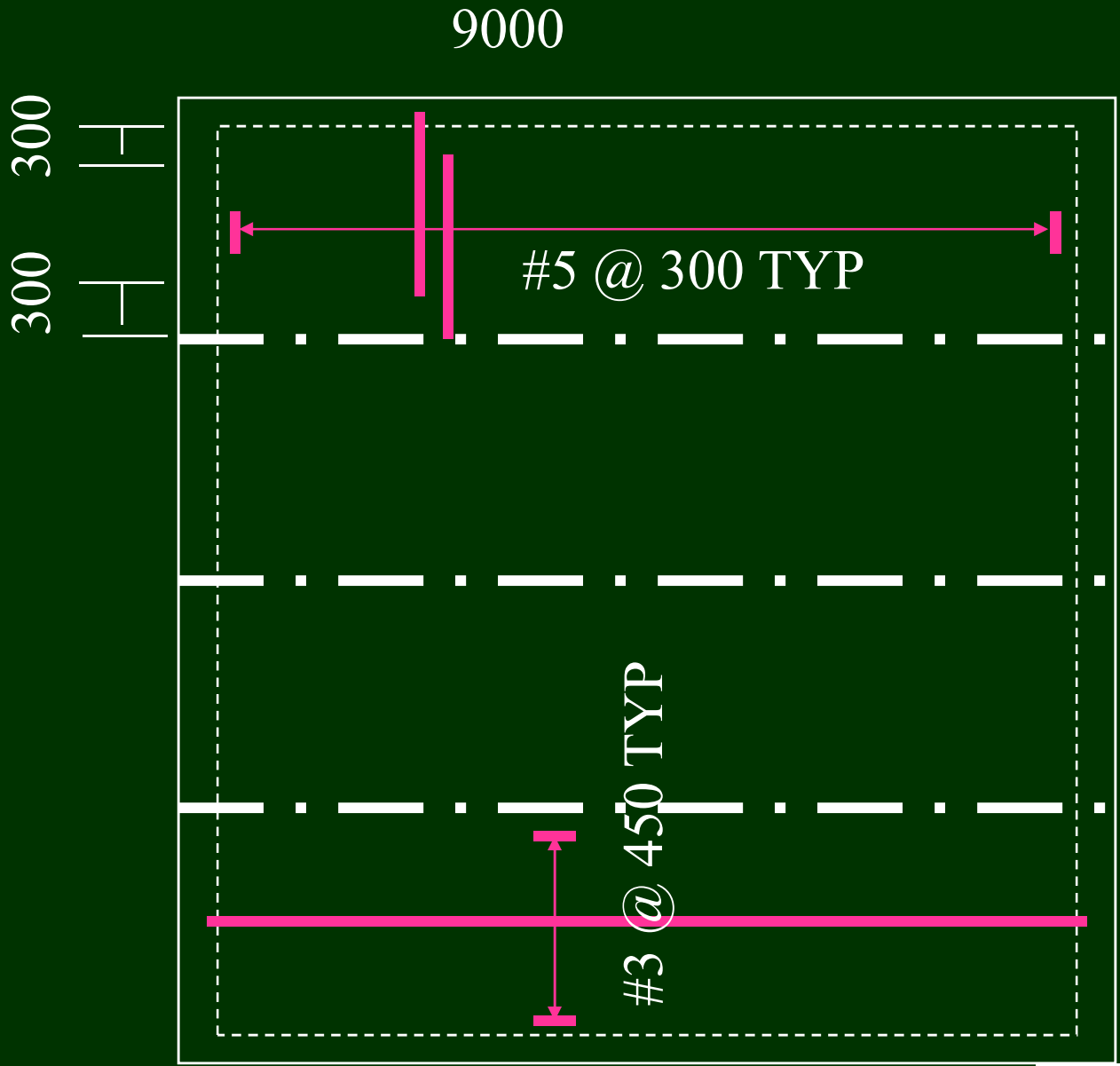
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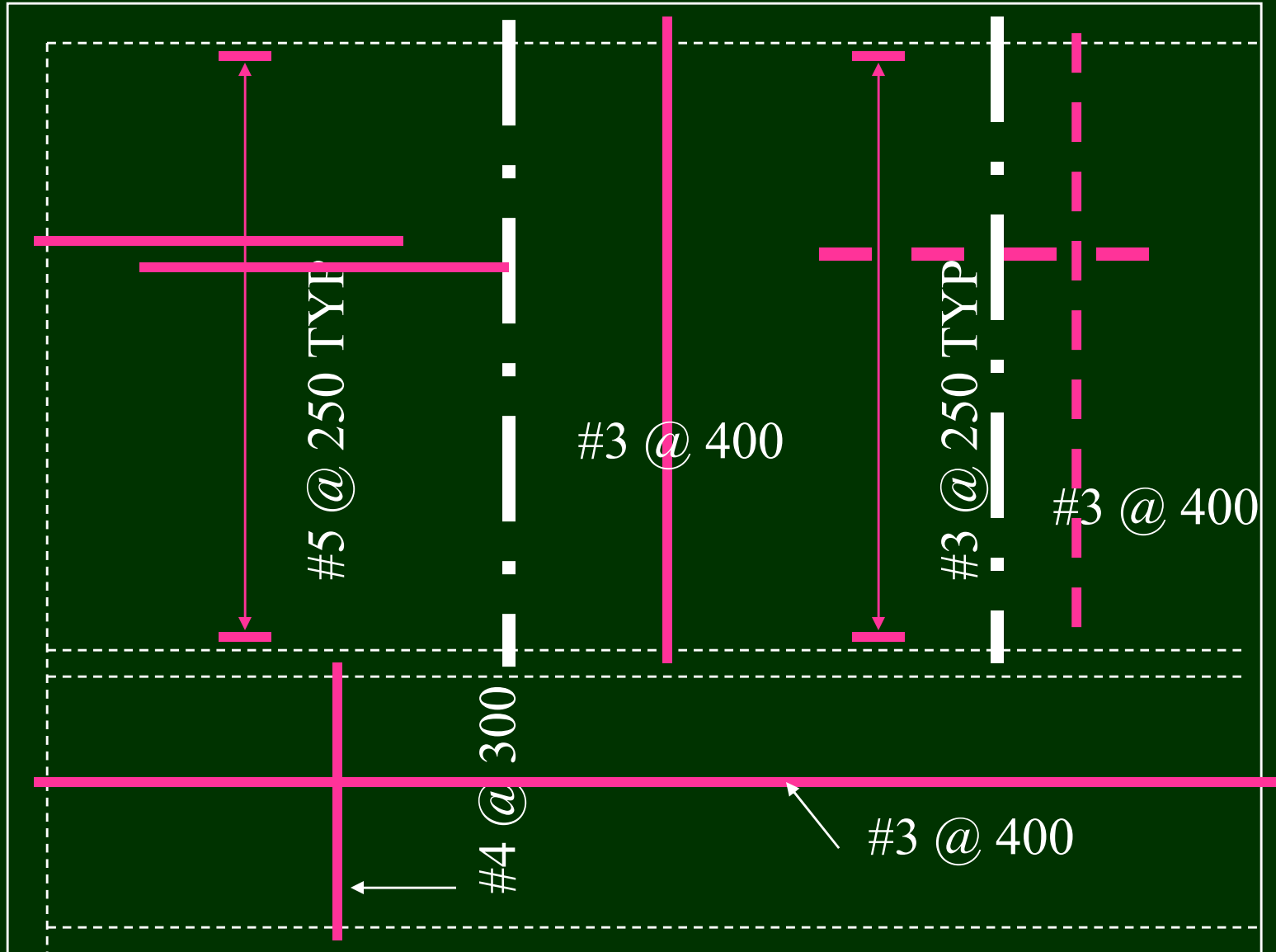
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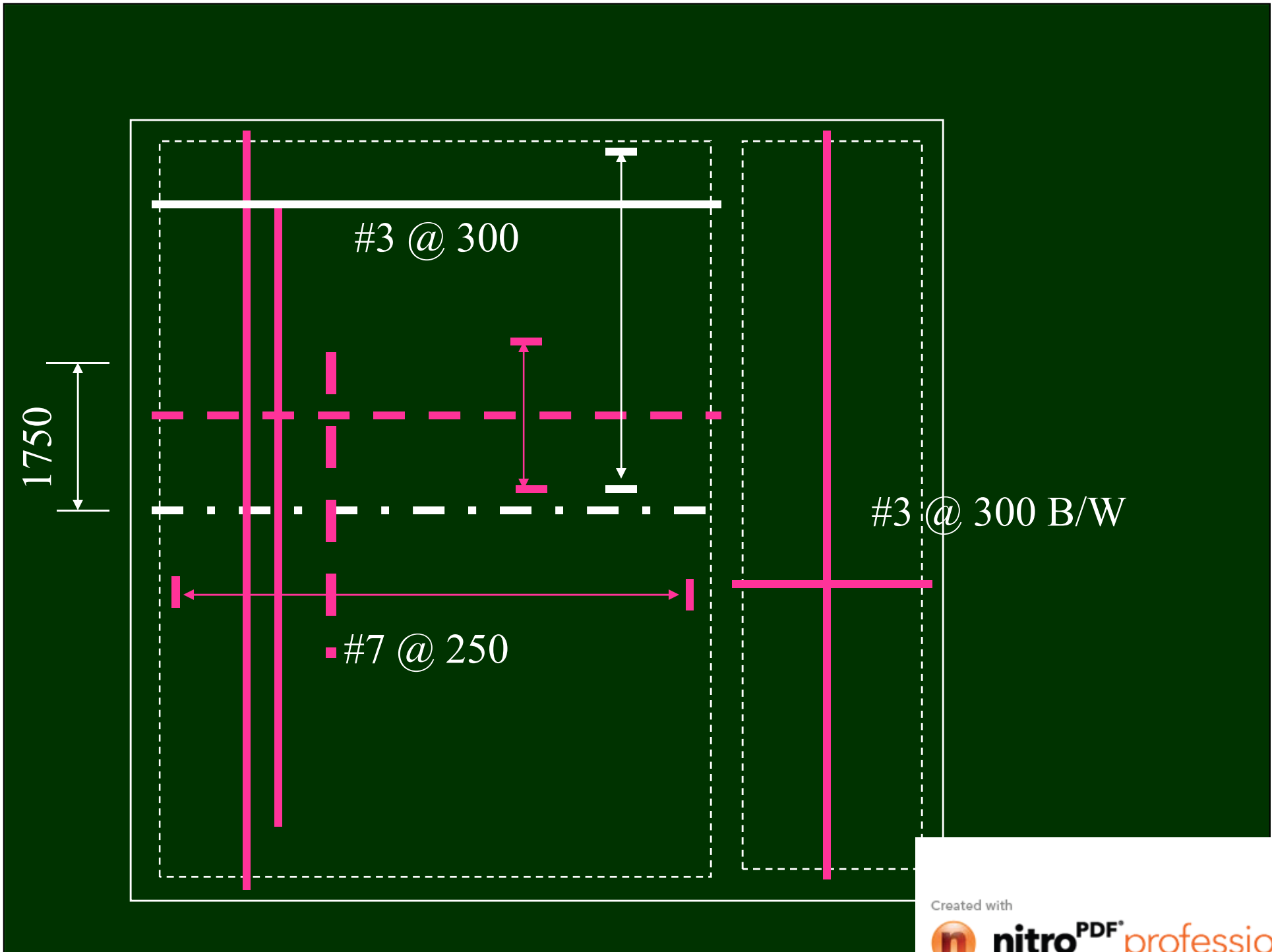


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***THE END***

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