**Module Title:** Technical and Professional Studies

**Building Technical Case Studies :**

**1.** The New Generation Youth and Community Centre / RCKa / London, Uk (800 words)

<https://www.archdaily.com/437112/the-new-generation-youth-and-community-centre-rcka>

2. Multi-Sport Pavilion and Classroom Complex / Alberto Campo Baeza / Spain(800 words)

<https://www.archdaily.com/875503/multi-sport-pavilion-and-classroom-complex-alberto-campo-baeza?ad_medium=gallery>

3. Multi-Purpose Sports Hall and Teaching Facility / PTW Architects (800 words)

<https://www.archdaily.com/151494/multi-purpose-sports-hall-and-teaching-facility-ptw-architects?ad_medium=gallery>

4. 5 Pancras Square King’s Cross Central / London (800 words)

https://www.bennettsassociates.com/assets/uploads/0918\_5-Pancras-Square\_booklet.pdf

Critical analysis and evaluation of case studies Introduction:

Critical evaluation does not only include negative aspects, however, it should include both negative and positive aspects; strengths and weaknesses – in other words provide an unbiased evaluation of a case study / project / etc. This task invites you to undertake a comprehensive critical analysis and evaluation of 5 case studies related to your design project brief: restaurant - café leisure centre - office building . Research and investigations should be used to support your work. This will be submitted in the format of a section within your design project report (using your InDesign A3 template but submitted as a pdf file).

Your critical analysis and evaluation should study the architect’s sustainable design approach, acknowledged socio-cultural, economic and environmental features of the case study, innovative construction materials and/or structural systems, etc. You will be expected to communicate the following aspects (as applicable) in each of your case study evaluation:

You should also ensure there is sufficient information available (concerning floor plans, sections, sustainability strategy, structure, materials, etc.).

PLEASE USE THE BELOW STRUCTURE FOR ALL CASE STUDIES(**1.** The New Generation Youth and Community Centre / RCKa / London, Uk (800 words), 2. Multi-Sport Pavilion and Classroom Complex / Alberto Campo Baeza / Spain(800 words), 3. Multi-Purpose Sports Hall and Teaching Facility / PTW Architects (800 words), 4. 5 Pancras Square King’s Cross Central / London (800 words)) !

Report Structure of EACH CASE STUDY:

Introduction: What issues/topics are you going to explore? What will be your focus? What

will your report show?

Main body: Critical Analysis and Evaluation of both case studies

Case study 1:

1. Project context: Location, size, brief, architect, completion date, etc.

2. Building design: Include building plans, sections and elevations of the building. Include annotated photos and sketches of unique features in the building.

3. Environmental attributes and environmental strategies: Explain the environmental attributes of the building (BREEAM / LEED / other environmental attributes such as awards / prizes) and why it has achieved this.

4. Building structure: Describe how the building structure works. Illustrate primary and secondary structures by using diagrams/technical drawings. Include annotated photos and sketches of unique features in the building.

5. Building technology: Investigate and describe materials and technologies employed in the building. Include annotated photos and sketches of unique features in the building.

CHAPTER 1- Introduction

CHAPTER 2 - The architect

CHAPTER 3 - Site Location

CHAPTER 4 - The building

CHAPTER 5 - Construction

CHAPTER 6 - Structural Systems and building technology

HAPTER 7 - Building materials

CHAPTER 8 - Building facades and cladding systems

CHAPTER 9 - Drawings

2x Floor Plans

4x Building Elevations

4 x Construction detail Drawing

CHAPTER 9 - Conclusions

CHAPTER 10 - Bibliography & Photo Credits

Similarly; use the above points for the all case studies .

Conclusion Summarise your ideas/argument. Restate what you consider to be the main points. Make it clear why those conclusions are important or significant.

References: Use the Harvard Referencing System to list all the books, articles, materials you have referred to in your report