CASE STUDY

- WE WILL ANALYZE THE LIGHTING EFFECTS PRODUCED BY THE TECHNIQUE OF WALL GRAZING

- BUILDING ELEMENTS OF WHICH TEXTURE, SURFACE AND MATERIAL ARE EMPHASIZED AND INFLUENCED BY CLOSELY PLACED LIGHTING

- THE AREAS OF ANALYSIS INCLUDE: LANDSCAPE, EXTERIOR/INTERIOR, WALLS, WATER, COLUMNS, DRAPERY AND FEATURED WALLS
- Light is used to emphasize the rough/horizontal texture of the palm tree truck.
- To bring out the leaf & branch structure of plants at ground level.
- Helps guide pedestrians visually along main routes of circulation.
- Four uplights are used to create a dramatic effect on the trees.

- Dark shadows behind and above provide contrast to the brightly illuminated items close to the base.

- Adds the sense of third dimension to the glowing objects in a dim lit space.
- The grazing effect is used to bring out the interesting texture of the stone.

- The three luminaires disperse light evenly up the wall to the ceiling.

- The wall washing in the background illuminates the wall in a more subtle manner.
EXTERIOR

- THE LARGE SCALE OF THE FACADE IS GRAZED WITH HIGH POWER LUMINAIRES

- A TEXTURED GRADIENT EFFECT IS ACHIEVED AS THE ILLUMINATION GRADUALLY DROPS OFF AS IT ASCENDS UP THE STRUCTURE

- THE UPLIGHTING HELPS DRAW ATTENTION TO THE SHELL OF THE BUILDING WHERE STONE IS METICULOUSLY USED
- WATER, GLASS AND LIGHT ARE USED TO CREATE A TRANSLUCENT SENSE OF SPACE AND ENCLOSURE

- LIGHT IS USED TO HIGHLIGHT AND ENHANCE THE VERTICAL SURFACE OF THE WATER-WALL

- THE REFLECTION POOL RECEIVES THE LIGHT INDIRECTLY FROM THE SURROUNDING ENVIRONMENT AND EMITS DIFFUSE LIGHT IN THE PROCESS
- The recessed light source in the stream emits directly on two different surfaces: water and rock.

- Spotlights point directly at the waterfall, which also act as a filter for the beam that travels through.

- The grazing effect on the vertical surface is enhanced through reflection and radiation emitted from the waterfall and stream.
INTERIOR

- The wall grazing effect is attained by a light fixture that has a variety of functions; the decorative lamp shown in this picture contributes both to wall grazing and task lighting.

- The lamp shade allows the light to have a wide beam spread due to the large diameter of the shade opening.

- This luminaire adds to the aesthetic qualities of the room.
- Wall graffiti is done with both up and down lighting.

- Uplights illuminate an opaque glass box where light escapes through slots and holes in the horizontal plane.

- The uplighting serves dual purposes: helping the box glow and grazing the stone.

- Downlights are used to flood the air and pick up the texture of the stone wall.
- A CIRCULAR ARRAY OF PIN LIGHTS ENCOMPASE THE COLUMN, GIVING OFF LIGHT AT FIXED HEIGHTS

- THE GRADATION OF LIGHT ON THE CURVED SURFACE PROVIDES POINTS OF SHARP CONTRAST, BETWEEN THE DIM-LIT WOOD PANELS AND THE WELL-LIT STONE FILLING

- THE WARM LIGHT ASSISTS IN VISUALLY SEPARATING THE TEXTURES ASSOCIATED WITH THE DIFFERENT MATERIALS
DRAPERY

- Several types of wall fixtures are used to achieve grazing on this curtain: decorative, floor and ceiling mounted fixtures.

- The elongated vertical surface is highlighted by the dramatic contrast between brightness and darkness.

- The emphasis on texture here provides a feeling of intimacy in the grand hotel lobby.
- The complex angular relationships of this featured wall are greatly emphasized by light

- The sharp edges of the wood are defined by the boundaries formed by shadow

- These elements can be perceived from up close and from a far thanks to the close proximity of the ceiling mounted luminaire
CONCLUSION

- THE TECHNIQUE OF GRAZING ENHANCES THE SCULPTURAL QUALITY OF THE ILLUMINATED OBJECTS

- THE USE OF LIGHT AND SHADOW IS IMPORTANT TO ARTICULATE THE RELATIONSHIPS BETWEEN SURFACE AND TEXTURE

- THE SPATIAL QUALITY OF AN AREA CAN BE DRAMATICALLY IMPROVED BY INCORPORATING THIS TYPE OF LIGHTING TECHNIQUE