GROSS FLOOR AREA: 2083.66m²
ROOF & ROOF TOP YARD AREA: 2807.40m²

Existing void is net 75.5 cm (under beams)
Existing ceiling height: 3.15 m
Requested ceiling height: 2.90 m
Required MEP void is net 100.5 cm (under beams)

Existing void is net 65.0 cm (under beams)
Existing ceiling height: 3.35 m
Requested ceiling height: 3.15 m
Required MEP void is net 85.0 cm (under beams)

LEVEL +6.600

SECTION 1-1
SCALE:1/50

SECTION 2-2
SCALE:1/50

SECTION 3-3
SCALE:1/50

SECTION 4-4
SCALE:1/50

CHANGES, LIST & ABBREVIATION

SQUARE SUPPLY DIFFUSER (with plenum box)

SQUARE RETURN GRILLE (with plenum box)

ACCESS PANEL DIMENSIONS

NOTES:

01- MECHANICAL SYSTEM DESIGNED ACCORDING TO 18.12.2019 DATED ARCHITECTURAL DRAWINGS.
02- MECHANICAL SYSTEM DESIGNED ACCORDING TO 17.02.2020 DATED KOTAISI DRAWINGS.
03- MECHANICAL SYSTEMS ARE DESIGNED ON THE BASIS OF ARCHITECTURAL, STRUCTURAL, ELECTRICAL, PLUMBING & FIRE FIGHTING DRAWINGS, INTERNATIONAL CODES AND CONSIDERATION, DURING AS FOR COMMENTS IN STANDARD:
ASHRAE HANDBOOK, 2016 HVAC SYSTEMS & EQUIPMENTS
ASHRAE HANDBOOK, 2015 HVAC APPLICATIONS
ASHRAE HANDBOOK, 2017 FUNDAMENTALS
ASHRAE HANDBOOK, 2017 FUNDAMENTALS
ASHRAE STANDARD 62.1-2010 VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY
04- ELECTRICAL, PLUMBING & FIRE FIGHTING DRAWINGS, ARCHITECTURAL DRAWINGS.
05- ELECTRICAL PLUMBING & FIRE FIGHTING DRAWINGS FOR COORDINATION, SUPERVISION OF ASSEMBLY, STRICT AND DAILY DETERMINATION OF ANY CONTRADICTIONS
06- ALL EQUIPMENTS SHALL BE SELECTED TO AVOID THE REQUIRED NOISE LEVEL.
07- ALL SIZES SHOWN ON DRAWINGS ARE IN MILIMETER
08- ALL DUCT DIMENSIONS INDICATE INNER DUCT DIMENSION
09- ALL SUPPLY RETURN AND EXHAUST AIR DUCTS PENETRATING FIRE AND SMOKE WALLS AND FLOORS SHALL BE PROTECTED BY FIRE DAMPERS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. FIRE DAMPERS SHALL BE A SHORT LOOP, WHERE THE DAMPER IS APPROVED TYPE WITH FREE HANGING DUCTWORK ON BOTH SIDES.
10- THE DRAWINGS ARE DIAGRAMMATIC AND ALL DUCTWORK AND PIPEWORK ARE NOT NECESSARILY EXACT. ALL DUCTWORK AND PIPEWORK SHALL BE CAREFULLY CO-ORDINATED WITH ALL OTHER SERVICES AND BUILDING WORK TO AVOID CLASHES AND OBSTRUCTIONS.
11- CONTRACTOR SHALL SUPPLY ALL MATERIAL, PIPING AND EQUIPMENT TO COMPLY WITH LOCAL AND STATE CODES REQUIREMENTS.
12- DUCT ACOUSTICAL INSULATION WILL BE USED INSIDE PLANTROOMS. EXCEPT PRECLASSROOMS FINING
13- DUCTS, PIPES CROSSING FIRE PARTITIONS SHALL BE INSULATED WITH FIRE STOPPING MATERIALS.

REFERENCE DRAWINGS AND DOCUMENTS:
01- MECHANICAL SYSTEMS CONSTRUCTION DESIGN REPORT
02- ENG NO KUC_M-CD-A-01 GH 3D DEVELOPMENT SYSTEM SCHEMATIC
03- ENG NO KUC_M-CD-A-02 GH 3D SAMPLE CONNECT SYSTEM SCHEMATIC
04- ENG NO KUC_M-CD-A-03 GH 3D PIPING SYSTEM AXONOMETRIC DETAILS

REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
5	06.03.2020	REVISION ACCORDING TO ARCH. PLANS DATED 18.02.2020			H.T.
4	15.01.2020	REVISION ACCORDING TO KITCHEN PLANS DATED 10.01.2020			H.T.
3	10.01.2020	REVISION ACCORDING TO COMMENTS SNIP NORMS DATE 30.10.2019			H.T.
2	28.10.2019	REVISION ACCORDING TO ARCH. PLANS DATED 30.09.2019			H.T.
1	20.09.2019	REVISION ACCORDING TO CLIENT REQUEST DATED 09.09.2019			H.T.

CONSTRUCTION DESIGN STAGE

PROJECT: KUTAISI UNIVERSITY COMPLEX
KUTAISI / GEORGIA

PROJECT DESIGN MECHANICAL:
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TITLE: ZONE 4 / BLOCK A / +7 FLOOR
HVAC DUCTING SYSTEM PLAN

DRAWN BY	N.K.	23/08/2019	DRAWING NO	SCALE / REV.NO
CHECKED BY	H.T.	23/08/2019	KUC_M-CD-A-603	1/100 / 5
APPROVED BY		23/08/2019		