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 Electrical/Mechanical/Plumbing
 B&K Engineering Group

Revisions/Issues

06/21/18 PERMIT SET

Key Plan

Seal

James L. Cohen AR0015903
 Project Title
 SOUTHERN PALM CROSSING
 BUILDING SHELL
 11001-11161 Southern Blvd.
 Royal Palm Beach, FL 33411

Job Number 017512.00

Drawing
 MECHANICAL PLAN

Scale AS SHOWN
 Drawing Date 05/16/18

Drawing No.

M1.1

Sheet Of

MECHANICAL NEW WORK NOTES:

- CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ROOF TOP UNIT WITH BUILDING JOISTS AND STRUCTURAL DRAWINGS.
- PROVIDE SERVICE ACCESS PER MANUFACTURER REQUIREMENTS AND NEC. (COORDINATE EXACT LOCATION OF UNIT WITH ARCHITECTURAL/STRUCTURAL DRAWINGS).
- CONTRACTOR SHALL EXTEND 30X14 SUPPLY AND RETURN DUCTWORK 24" BELOW ROOF STRUCTURE.
- PROVIDE PROGRAMMABLE THERMOSTAT WITH 60"-0" OF WIRE FOR FUTURE USE (COORDINATE WITH TI DRAWINGS FOR THERMOSTAT TYPE).
- CONTRACTOR SHALL EXTEND 32X16 SUPPLY AND RETURN DUCTWORK 24" BELOW ROOF STRUCTURE.

MECHANICAL GENERAL NOTES:

- THE CONTRACTOR SHALL VISIT THE SITE AND CAREFULLY EXAMINE THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELVES AS TO THE NATURE AND SCOPE OF WORK AND THE DIFFICULTIES REQUIRED FOR ITS EXECUTION. THE SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIAL REQUIRED, OR OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.
- THE CONTRACTOR SHALL TAKE THEIR OWN MEASUREMENTS AT THE BEGINNING OF THE PROJECT AND SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF THEIR WORK. ADJUST ALL WORK TO FIT ACTUAL JOB CONDITIONS. REPORT TO THE ENGINEER ALL MEASUREMENT DISCREPANCIES, SO THAT FIELD CORRECTIONS CAN BE MADE BEFORE FABRICATION OF PROJECT COMPONENTS.
- FURNISH & INSTALL ALL MOUNTING/SUPPORTING OF NEW ACCESSORIES INCLUDING HANGERS, SUPPORTS, CLAMPS, BRACKETS, ACCESS DOORS AND DAMPERS REQUIRED FOR THIS INSTALLATION.
- DUCTWORK CONTRACTOR SHALL INSPECT, EXAMINE AND TEST ALL EXISTING AND NEW AIR DISTRIBUTION DUCTWORK SHOWN ON THE DRAWING FOR AIR LEAKAGE. THE DUCTWORK CONTRACTOR SHALL PATCH AND REPAIR ALL LEAKS FOUND IN THE AIR DISTRIBUTION SYSTEM TO SATISFY SMACNA DUCT LEAKAGE LIMIT CRITERIA.
- CONTRACTOR SHALL REMOVE ALL EXISTING AC UNITS, AIR DISTRIBUTION EQUIP., AND DUCTWORK NOT BEING REUSED IN THE AREA OF WORK AND CAP THE REMAINING EQUIPMENT AS REQUIRED.

6. ALL MATERIALS AND EQUIPMENT SHALL BE PROPERLY AND EFFECTIVELY PROTECTED BY THE CONTRACTOR DURING THE EXECUTION OF THE WORK.

7. ALL INFORMATION SHOWN ON THESE PLANS WAS OBTAINED FROM ORIGINAL CONSTRUCTION DOCUMENTS, AND FROM THE DESIGN-BUILD CONTRACTOR. THE ENGINEER MAKES NO REPRESENTATION FOR THE ACCURACY OF SUCH INFORMATION AND/OR ALL THE EXISTING MATERIALS, DIMENSIONS, CONDITIONS, ETC.

8. PROVIDE DOOR UNDERCUTS TO ALLOW FOR BALANCED RETURN.

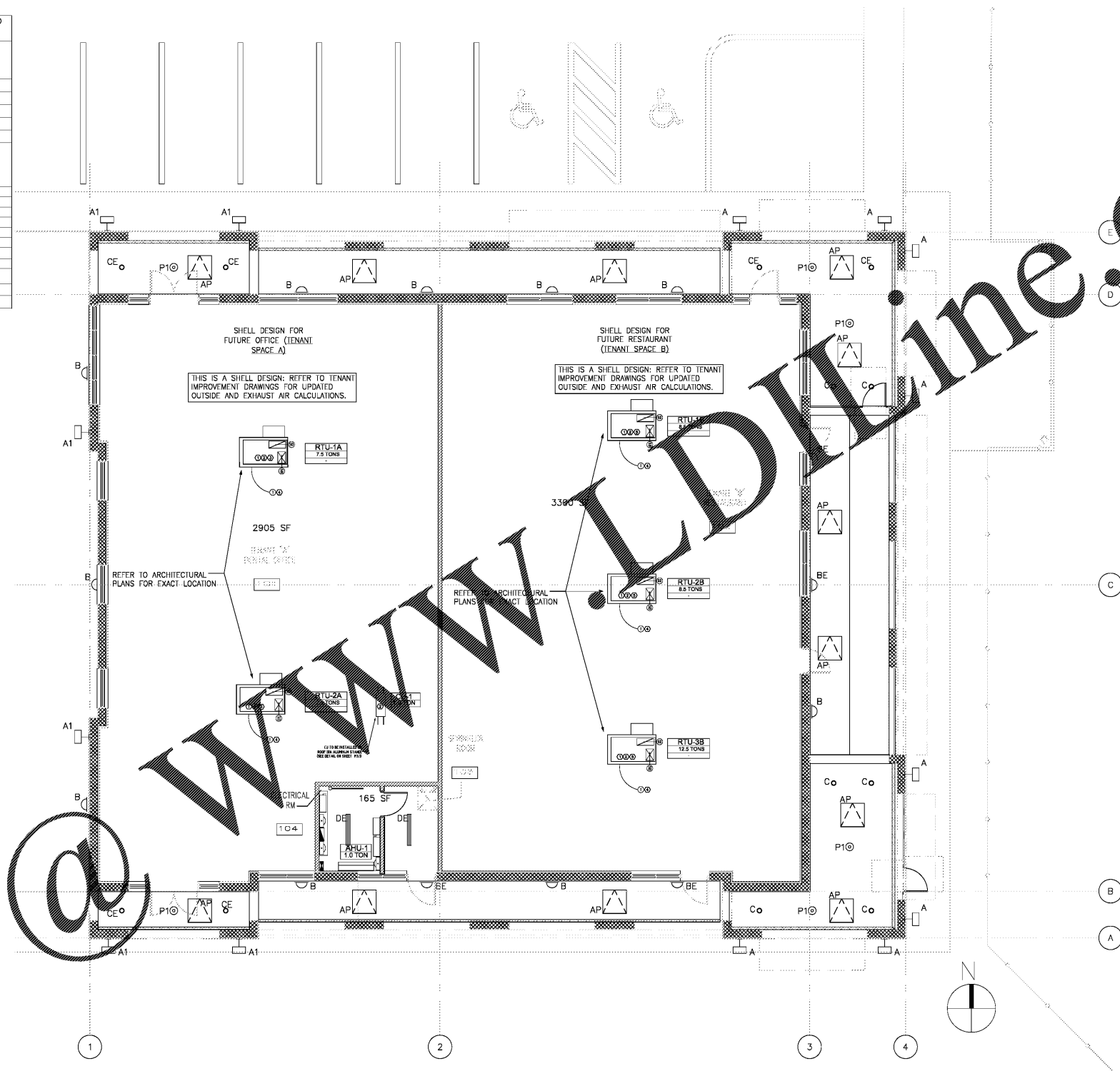
9. COORDINATE THE DUCTWORK MOUNTING HEIGHT WITH THE ARCHITECT.

10. PROVIDE TIUS DIFFUSERS/RETURN GRILLES (NOT EXCEED NC-30)

NEW EQUIPMENT SHOWN ON SOLID LINES : _____
 EXISTING EQUIPMENT SHOWN ON DASHED LINES : - - - - -

HVAC DESIGN REQUIRES	YES	NO
DUCT SMOKE DETECTOR	X	
FIRE DAMPER(S)		X
SMOKE DAMPER(S)		X
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		X
FIRE STOPPING		X
SMOKE CONTROL		X

MECHANICAL EQUIPMENT (RTUs, EFs, CUs, ETC. SHALL NOT BE INSTALLED WITHIN A MIN OF 10'-0" FROM ANY ROOF EDGE. EXHAUST SHALL NOT BE DISCHARGED CLOSER THAN 10'-0" FROM ANY INTAKES



Order Plans

1 MECHANICAL PLAN
 SCALE: 1/8" = 1'-0"

B&K PROJECT# 2018-0035
 PROJECT MANAGER: JAN J. BEDIYA
 DATE: 05/21/2018

B
 B&K Engineering Group

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CERTIFICATION OF AUTHORIZATION
 NO. 31989

BEFORE SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER IS NOT RESPONSIBLE FOR ANY ADDITIONAL CHANGES RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT OR ENGINEER. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT HAS BEEN ISSUED.