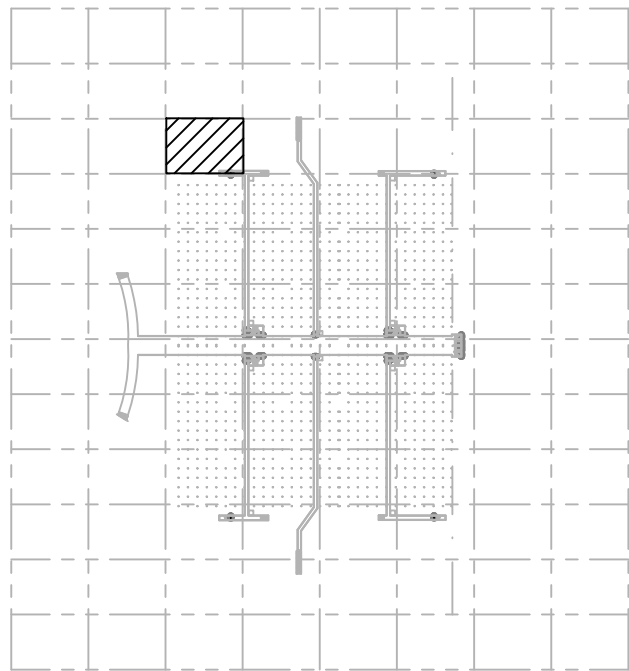
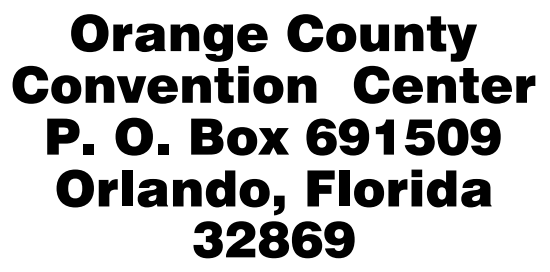


- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH MECHANICAL CONTRACTOR. PROVISION OF COOLING TO THE ADJACENT SPACES IS NOT ALLOWED. ANY COOLING OUTFALLS REQUIRES PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST REQUIRMENT ORIENTED SHALL APPLY.
- f. SCOPE OF WORK - VAV'S (TEMPERATURE 265): PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. EPB'S (TEMPERATURE 202): PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. ACUS (TEMPERATURE 47): PROVIDE NEW RA AND SA TEMPERATURE SENSOR, PROVIDE NEW ZONE TEMPERATURE SETPOINT AND OVERRIDE TO CONTROL SHEETS FOR DETAILS.



Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

[illegible]

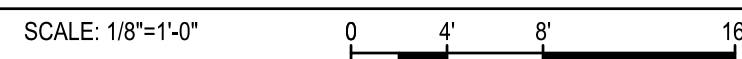
OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

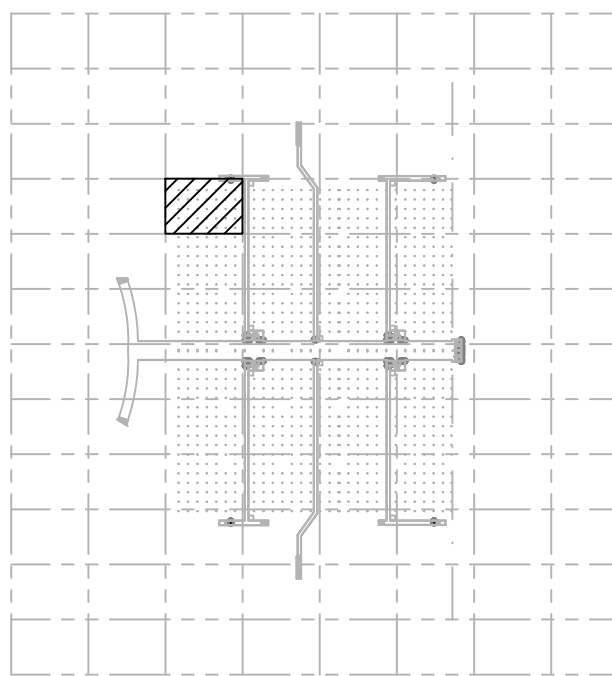
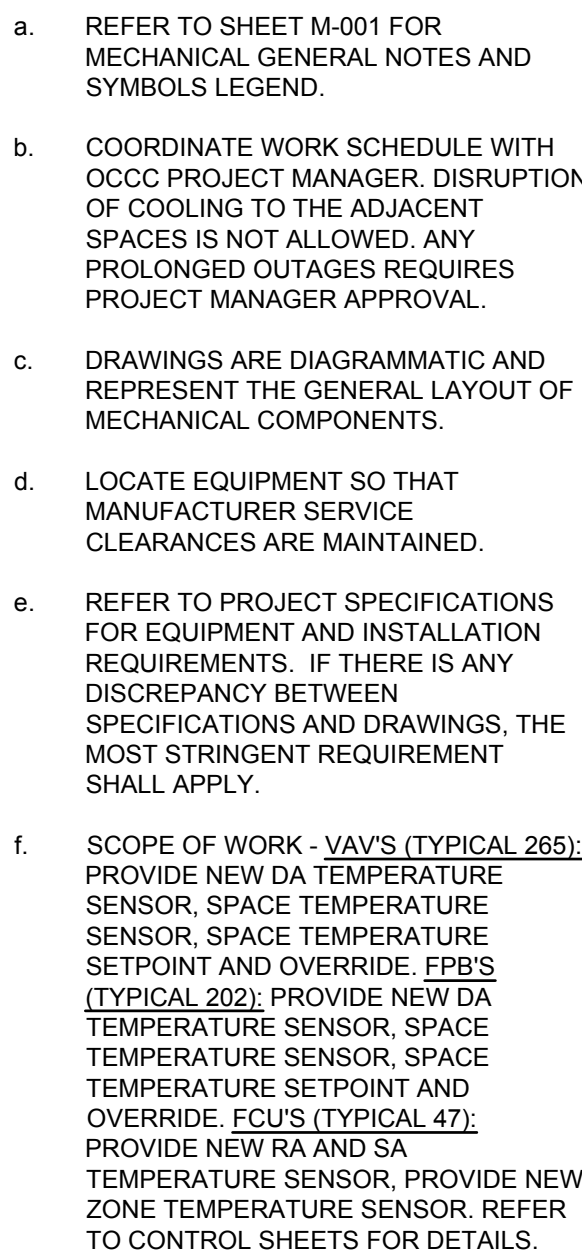
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Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record: CHULAM R. SHANMAMI	
License Number: FL41204	

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 14

M2.014

MECHANICAL TUNNEL LEVEL PARTIAL FLOOR PLAN - PART 14





KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

[illegible]

Project Name:

**OCCC NORTH SOUTH
BUILDINGS
BAS CONTROLS UPGRADE**

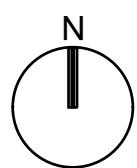
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Drawn By: CS	
Checked By: BBS	
Engineer of Record: CHULAM R. SHANMUGAM	
License Number: FL41204	

Sheet Name:

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 20

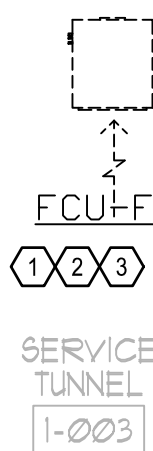
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M2.020



- PLAN KEY NOTES:
-

1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.



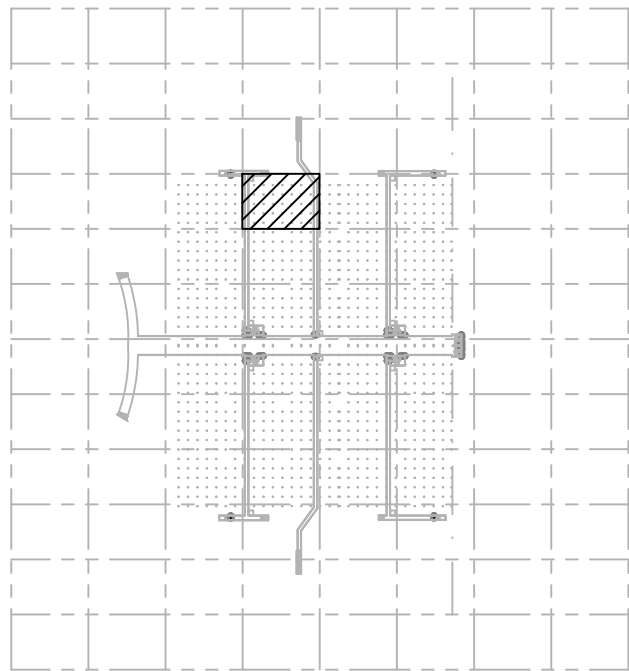
SGM
ENGINEERING
MEP CONSULTING ENGINEERS
CA-0006280

935 LAKE BALDWIN LANE
ORLANDO, FL 32814
TEL: 407-767-3188
FAX: 407-767-5772
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ent Name:



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Orlando, Florida
32869**



KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

[illegible]

Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
Scale: AS SHOWN	Seal:
Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record:	
GHULAM R. SHAHNAM	
License Number: FL41204	

Sheet Name:

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 21

Sheet Number:

M2.021



Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

[illegible]

Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
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Drawn By: CS	
Checked By: BBS	
Engineer of Record:	
GULAM R. SHAHNAM	
License Number: FL41204	

Sheet Name:

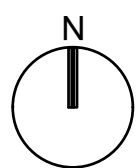
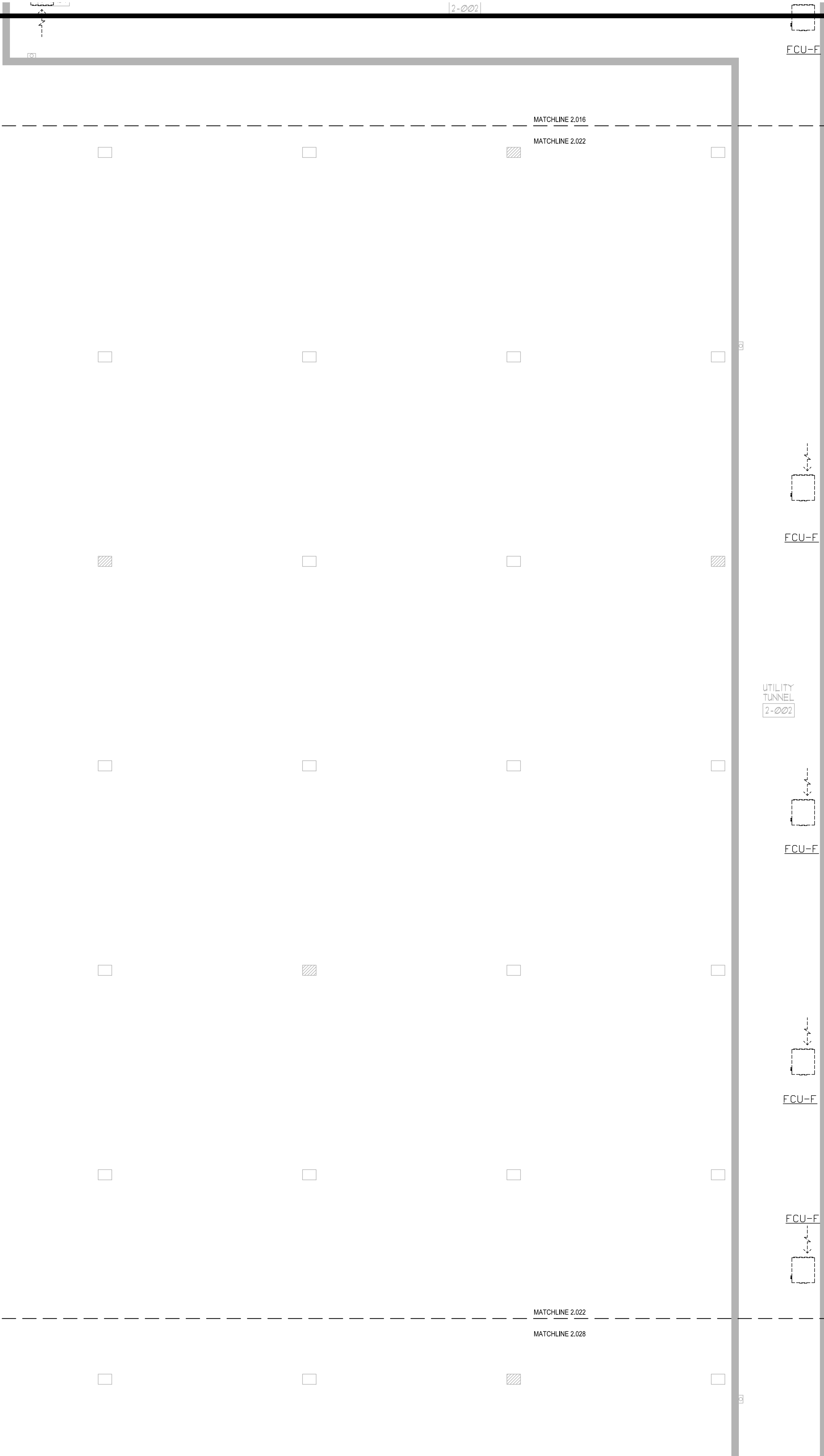
MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 22

Sheet Number:

M2.022

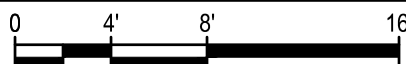
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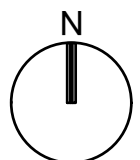
- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH CONTRACTOR TO AVOID DISRUPTION OF COOLING TO THE ADJACENT SPACES IS NOT ALLOWED. ANY DISRUPTION OF OUTGAS REQUIRES PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST RECENT REQUIREMENT SHALL APPLY.
- f. SCOPE OF WORK - VAV'S (TYPICAL 265) PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE REDUCING TEMPERATURE SETPOINT AND OVERIDE. FFB'S (TYPICAL 202) PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERIDE. ICLUS (TYPICAL 47) PROVIDE NEW RA AND SA TEMPERATURE SENSOR, PROVIDE NEW DA TEMPERATURE SENSOR, PROVIDE NEW CONTROL SHEETS FOR DETAILS.



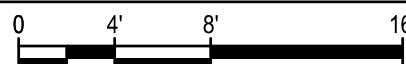
MECHANICAL TUNNEL LEVEL PARTIAL FLOOR PLAN - PART 22

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

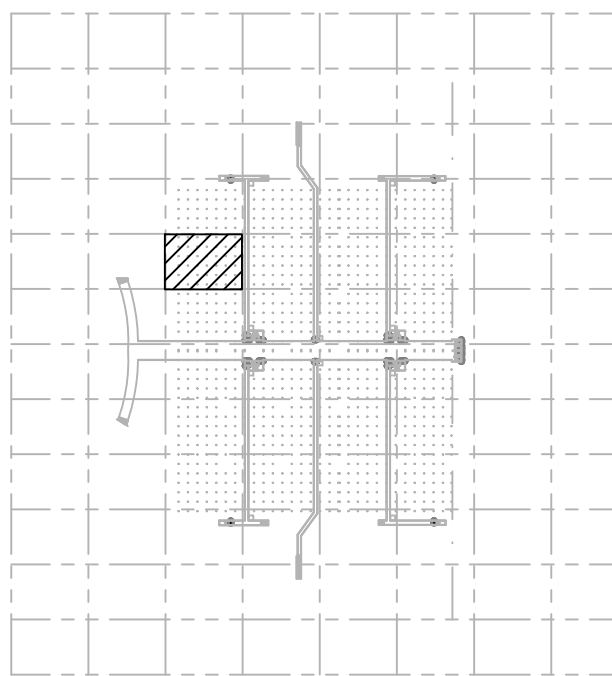




SCALE: 1/8"=1'-0"



1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.
4. PROVIDE NEW ZONE HUMIDITY SENSOR.



Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

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Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
Scale: AS SHOWN	Seal: 
Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record: GHULAM R. SHANAWI	
License Number: FL41204	

Sheet Name:

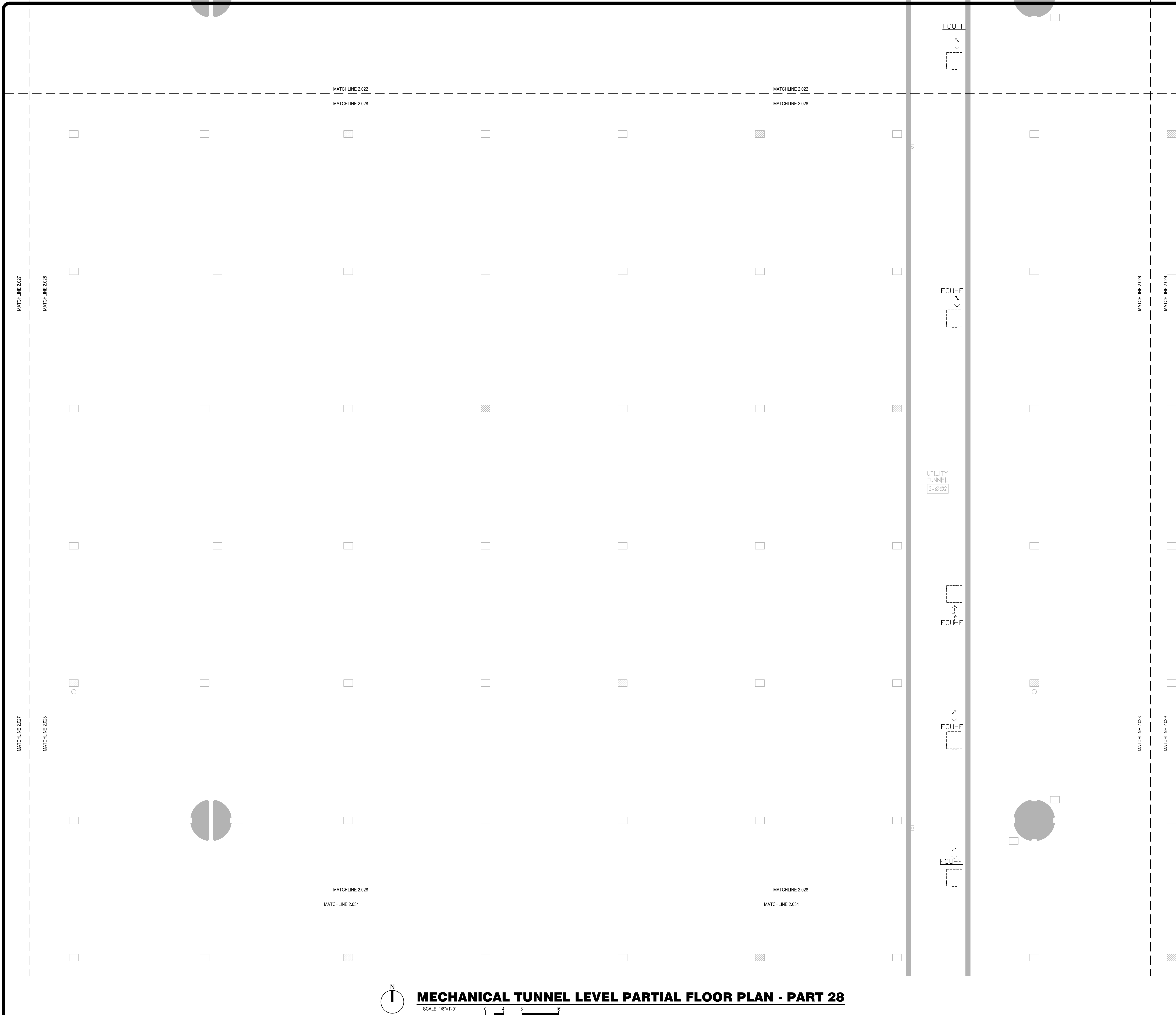
MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 26

Sheet Number:

M2.026

1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.
4. PROVIDE NEW ZONE HUMIDITY SENSOR.



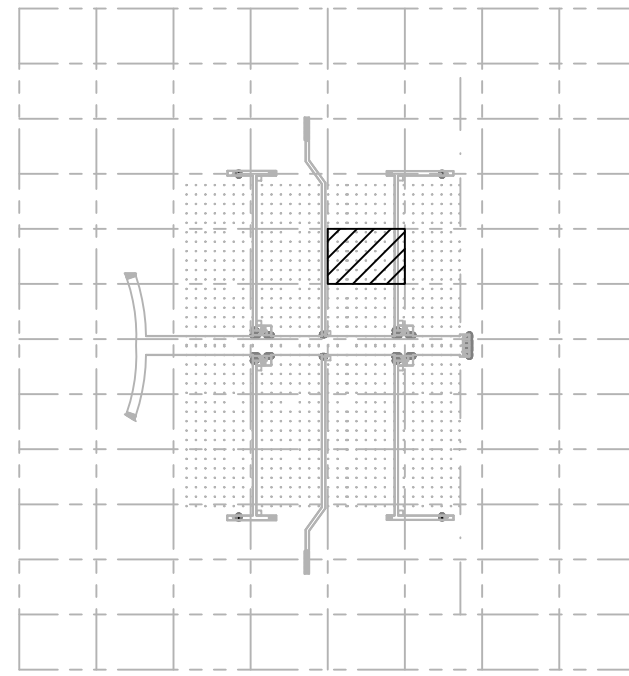


- a. REFER TO SHEET N-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH OCC PROJECT MANAGEMENT. DISRUPTION OF COOLING TO THE ADJACENT SPACE MUST ALLOW FOR ANY PROLONGED OUTAGES REQUIRES PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

SCOPE OF WORK - VAVS (TYPICAL 265), PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE, FFB5 (TYPICAL 262), PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE, ECJS (TYPICAL 47), PROVIDE NEW RA AND SA TEMPERATURE SENSOR, PROVIDE NEW ZONE TEMPERATURE SENSOR, REFER TO CONTROL SHEETS FOR DETAILS.



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KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

[illegible]

Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
Scale: AS SHOWN	Seal:
Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record:	
GHULAM R. SHAHNAMI	
License Number: FL41204	

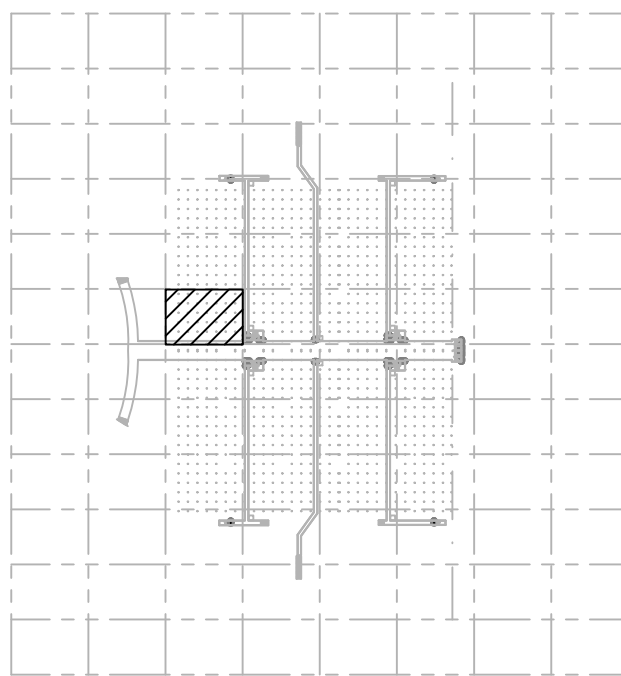
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MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 28

Sheet Number:

M2.028

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KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

[illegible]

Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

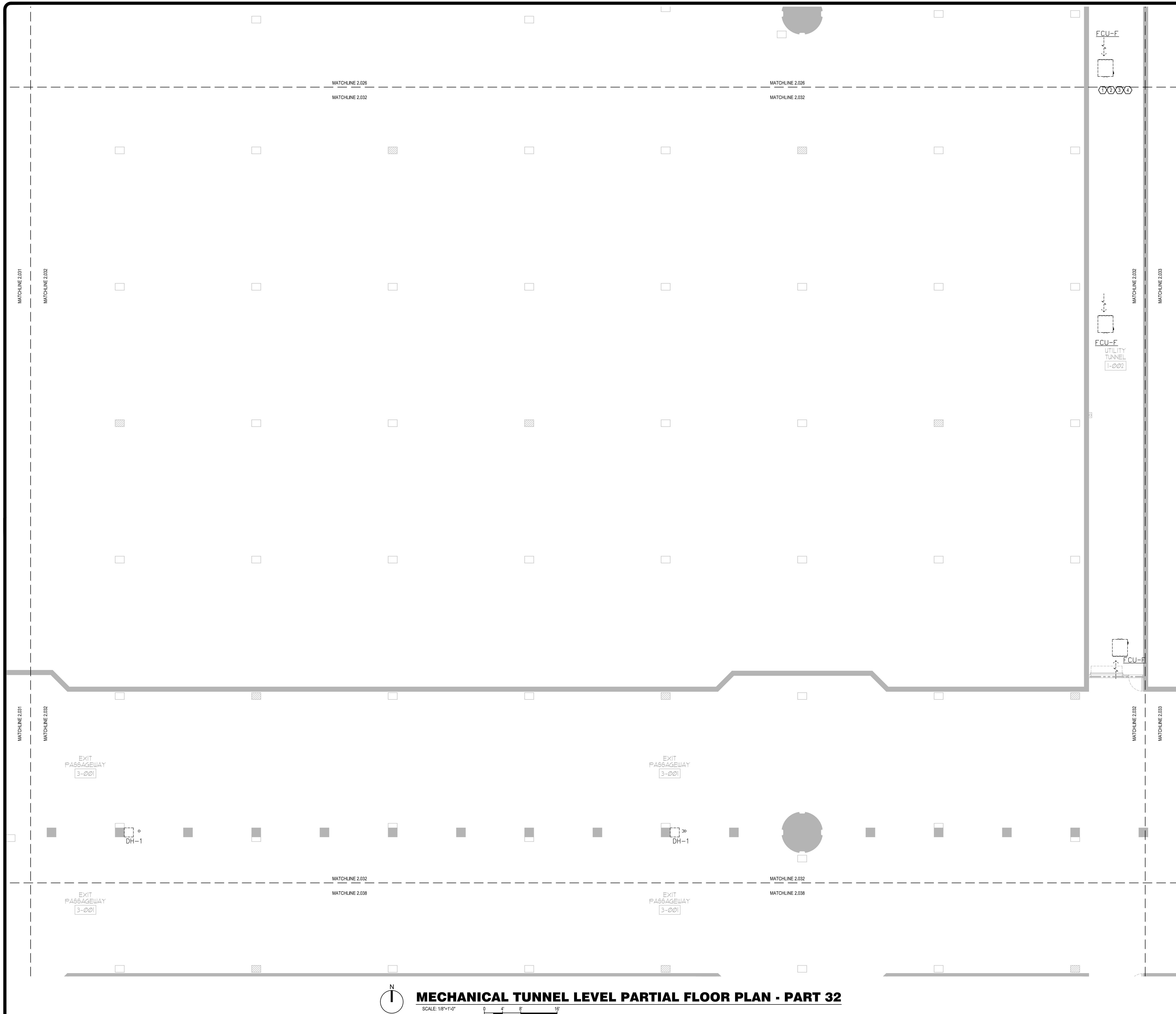
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Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record:	
GHULAM R. SHAHNAMEE	
License Number:	
FL41204	

Sheet Name:

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 32

Sheet Number:

M2.032



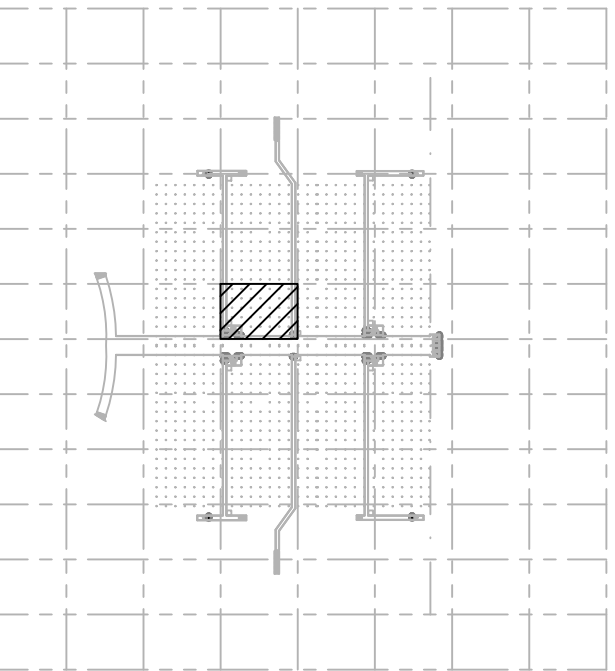
GENERAL NOTES:

- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH OCCC PROJECT MANAGER. DISRUPTION OF TRAFFIC TO THE ADJACENT SPACES IS NOT ALLOWED. ANY PROLONGED OUTAGES REQUIRES PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REFLECT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- f. SCOPE OF WORK - VAV'S (TYPICAL 265). PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. FPB'S (TYPICAL 202), PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. FCU'S (TYPICAL 47), PROVIDE NEW RA AND SA TEMPERATURE SENSOR, PROVIDE NEW RA TEMPERATURE SENSOR, REFER TO CONTROL SHEETS FOR DETAIL.

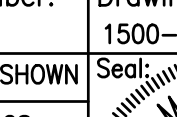
PLAN KEY NOTES:

1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.
4. PROVIDE NEW ZONE HUMIDITY SENSOR.

1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.
4. PROVIDE NEW ZONE HUMIDITY SENSOR.

[illegible]

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

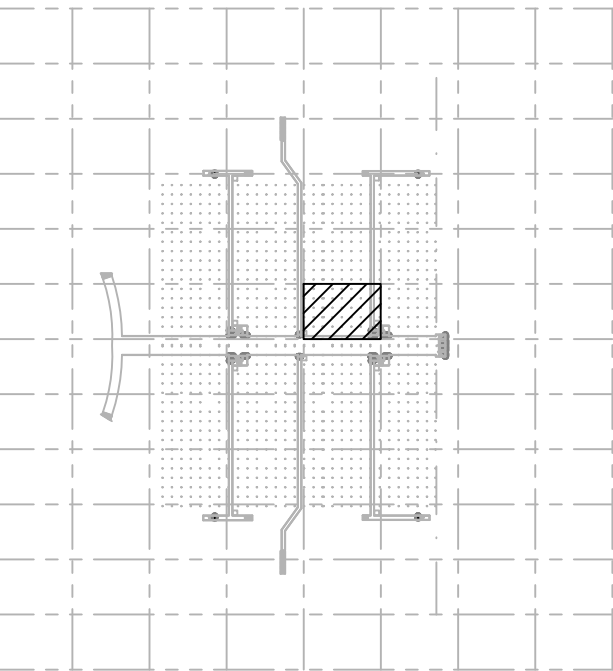
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MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 33

M2.033



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32869**



KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

[illegible]

Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
Scale: AS SHOWN	Seal:
Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record: GULAM R. SHAHNAM	
License Number: FL41204	

Sheet Name:

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 34

Sheet Number:

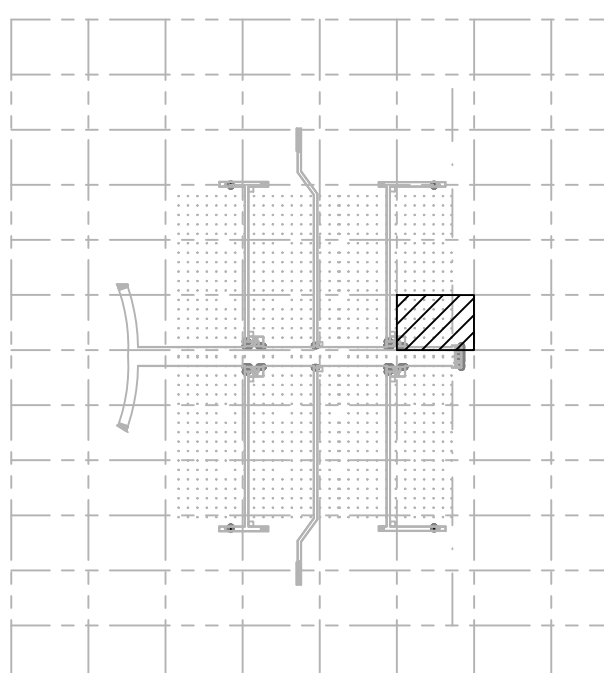
M2.034

GENERAL NOTES:

- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH OTHER PROJECT MANAGER TO PREVENT DISRUPTION OF COOLING TO THE ADJACENT SPACES IS NOT ALLOWED. ANY PROLONGED OUTAGES WILL REQUIRE PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND REQUIREMENTS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- f. SCOPE OF WORK - VAV'S (TYPICAL 265); PROVIDE NEW DA / TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE; EPB'S (TYPICAL 202); PROVIDE NEW DA / TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE; CLUS (TYPICAL 47); PROVIDE NEW RA AND SA TEMPERATURE SENSOR, PROVIDE NEW DA / TEMPERATURE SENSOR, REFER TO CONTROL SHEETS FOR DETAILS.

PLAN KEY NOTES:

1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.
4. PROVIDE NEW ZONE HUMIDITY SENSOR.



KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

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Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813		Drawing File Name: 1500-M2007-2017220.DWG	
Scale: AS SHOWN		Seal:	
Design By: CS			
Drawn By: CS			
Checked By: BBS			
Engineer of Record:			
GHULAM R. SHAHNAM			
License Number: FL41204			

Sheet Name:

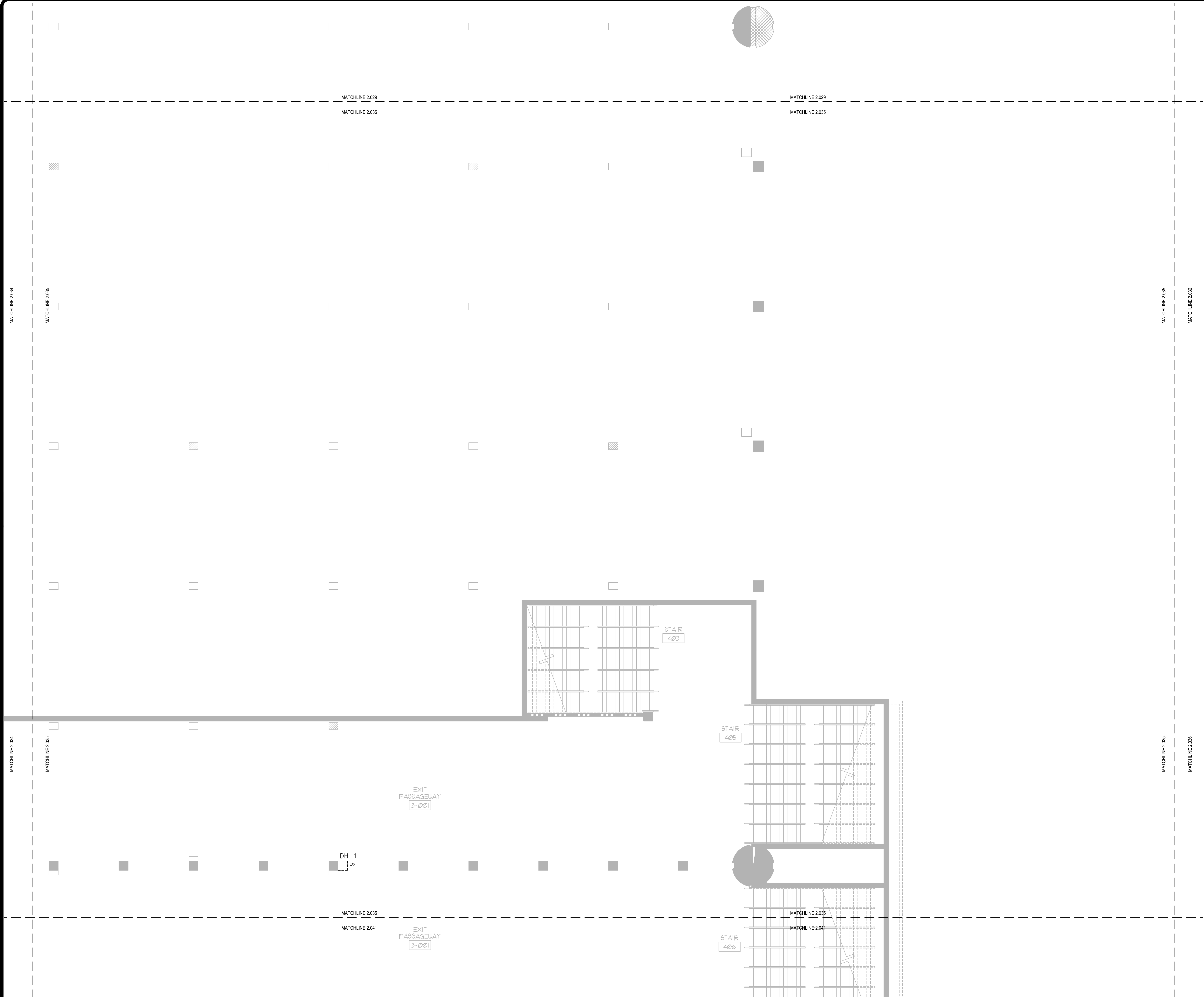
MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 35

Sheet Number:

M2.035

GENERAL NOTES:

- REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- COORDINATE WORK SCHEDULE WITH OTHER PROJECT WORK TO AVOID DISRUPTION OF COOLING TO THE ADJACENT SPACES IS NOT ALLOWED. ANY SUCH OUTAGES REQUIRE PROJECT MANAGER APPROVAL.
- DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST PRECEDENT REQUIREMENT SHALL APPLY.
- SCOPE OF WORK - VAVS (TYPICAL 265) PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE, EPPS (TYPICAL 202), PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE, FOCUS (TYPICAL 47), PROVIDE NEW RA AND SA TEMPERATURE SENSOR, PROVIDE NEW RA TEMPERATURE SETPOINT AND OVERRIDE, PROVIDE NEW RA TEMPERATURE SETPOINT TO CONTROL SHEETS FOR REFER

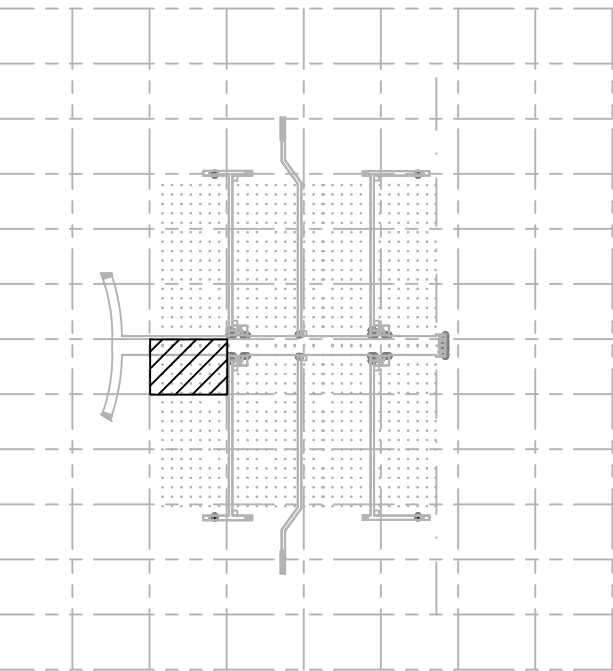


MECHANICAL TUNNEL LEVEL PARTIAL FLOOR PLAN - PART 35

SCALE: 1/8"=1'-0" 0 4' 8' 16'



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32869**



KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

[illegible]

Project Name

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OSCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
Scale: AS SHOWN	Seal
Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record:	
GULAM R. SHAFINANI	
License Number: FL41204	

Sheet Name:

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 38

Sheet Number:

M2.038

GENERAL NOTES:

- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH COOLING TOWER MAINTENANCE DISRUPTION OF COOLING TO THE ADJACENT SPACES IS NOT ALLOWED. ANY DISRUPTION OF COOLING TO ADJACENT SPACES PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- f. SCOPE OF WORK - VAVS (TYPE 265):
PROVIDE NEW DA/TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. FPE'S (TYPE 202): PROVIDE NEW DA/TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. FOCUS (TYPE 47): PROVIDE NEW RA AND SA TEMPERATURE SENSOR. PROVIDE NEW RA TEMPERATURE SENSOR. REFER TO CONTROL SHEETS FOR DETAILS.



Issue: 12-6-18 100% CONSTRUCTION DOCUMENT

[illegible]

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
Scale: AS SHOWN	Seal:
Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record: GHULAM R. SHAHNAMI	
License Number: FL41204	

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 39

M2.039

1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.
4. PROVIDE NEW ZONE HUMIDITY SENSOR.

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

FILE: Q:\PROJECT FILES\2017\2017-220_OCCC NORTH SOUTH BLDG BAS UPGRADE\DRAWINGS\1500-M2007-2017220.DWG
 PRINTED: 12/03/2018 LAST SAVED BY: CAMILA



MATCHLINE 2.045

MATCHLINE 2.044

MATCHLINE 2.045

MATCHLINE 2.039

MATCHLINE 2.045

MATCHLINE 2.035

MATCHLINE 2.045

MATCHLINE 2.045

MATCHLINE 2.051

MATCHLINE 2.043

MATCHLINE 2.051

- b. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- c. COORDINATE WORK SCHEDULE WITH OTHER PROJECTS TO AVOID DISRUPTION OF COOLING TO THE ADJACENT SPACES IS NOT ALLOWED. ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST PREVALENT REQUIREMENT SHALL APPLY.
- d. LOCATE EQUIPMENT TO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST PREVALENT REQUIREMENT SHALL APPLY.
- f. SCOPE OF WORK - VAVS (TYPE 265):
PROVIDE NEW DA TEMPORARY SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE, FPE'S (TYPE 262); PROVIDE NEW DA TEMPORARY SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE, FPE'S (TYPE 47); PROVIDE NEW RA AND SA TEMPERATURE SENSOR, PROVIDE NEW RA TEMPERATURE SENSOR, REFER TO CONTROL SHEETS FOR DETAILS.

1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.
4. PROVIDE NEW ZONE HUMIDITY SENSOR.



Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

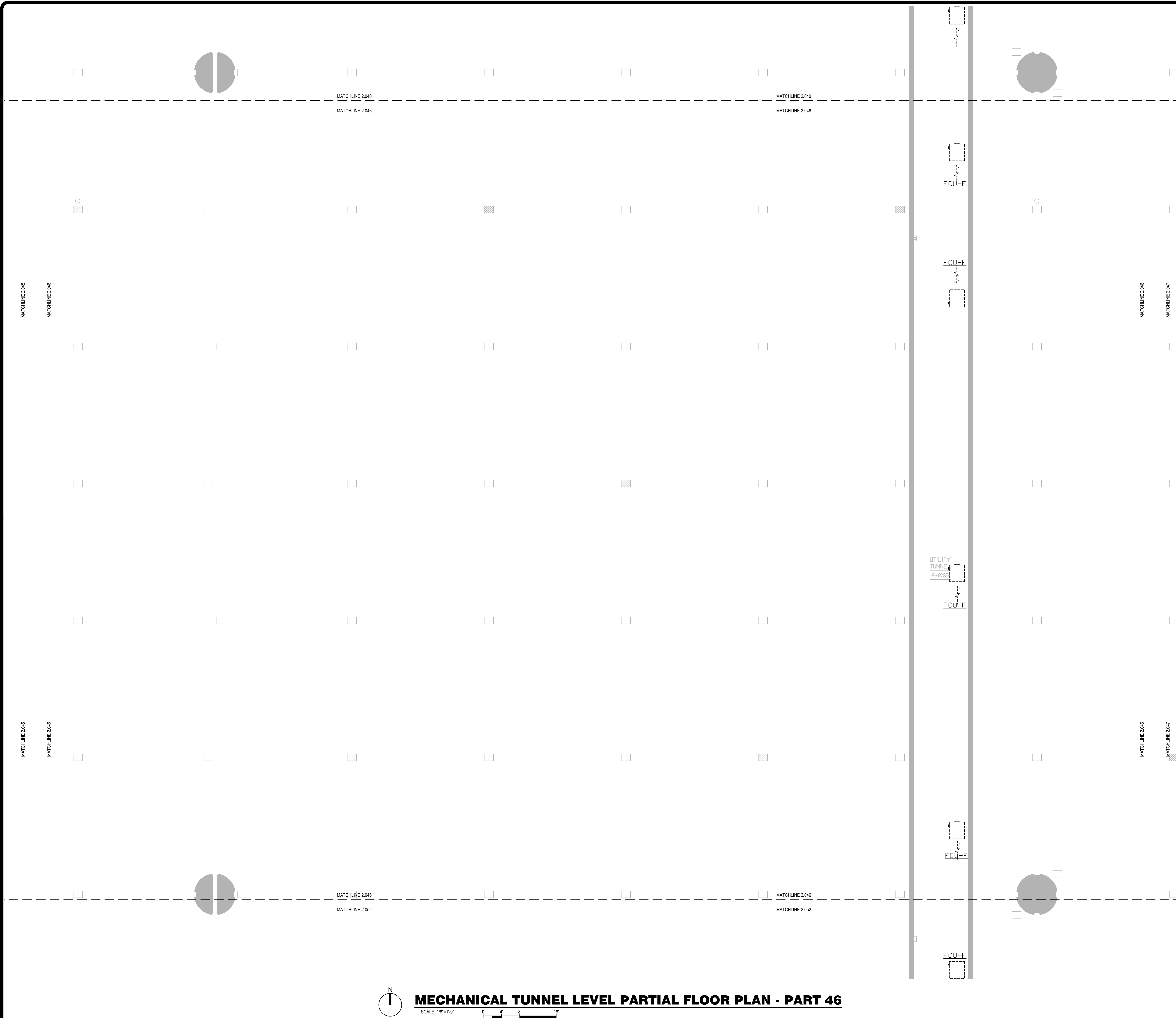
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OCCC Project Number: Y17-813
 Scale: AS SHOWN
 Design By: CS
 Drawn By: CS
 Checked By: BBS
 Engineer of Record:
 GHULAM R. SHAHANI
 License Number: FL41204

Drawing File Name: 1500-M2007-2017220.DWG
 Seal:
 GHULAM R. SHAHANI
 LICENSE
 No. 41204
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

Sheet Number:

M2.045



GENERAL NOTES:

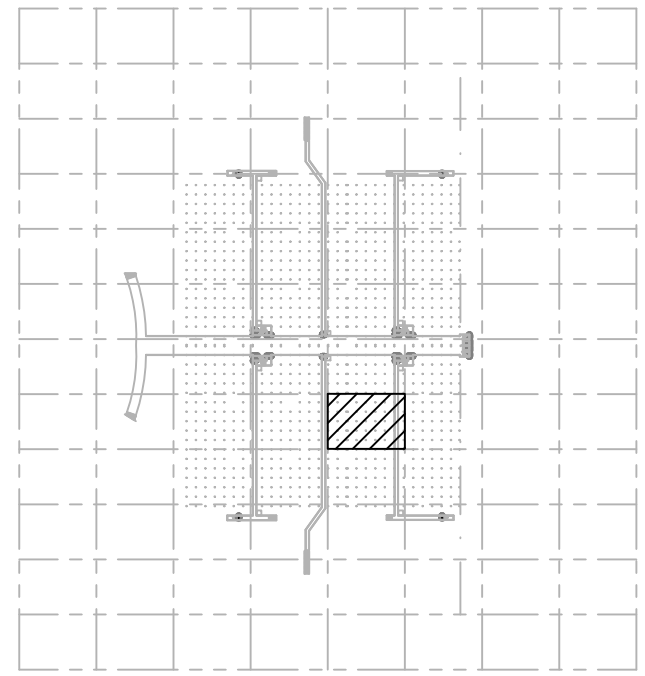
- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH OCCP PROJECT MANAGER. DISRUPTION OF WORK TO THE ADJACENT SPACES IS NOT ALLOWED. ANY PROLONGED OUTAGES REQUIRES PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE NEWER/STRONGER REQUIREMENT SHALL APPLY.
- f. SCOPE OF WORK - VAVS (TYPICAL 269). PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. FUS (TYPICAL 202). PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. FCUs (TYPICAL 47). PROVIDE NEW RA AND SA TEMPERATURE SENSOR. PROVIDE NEW ZONE TEMPERATURE SENSOR. REFER TO CONTROL SHEETS FOR DETAILS.



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32869**



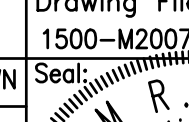
KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

[illegible]

Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

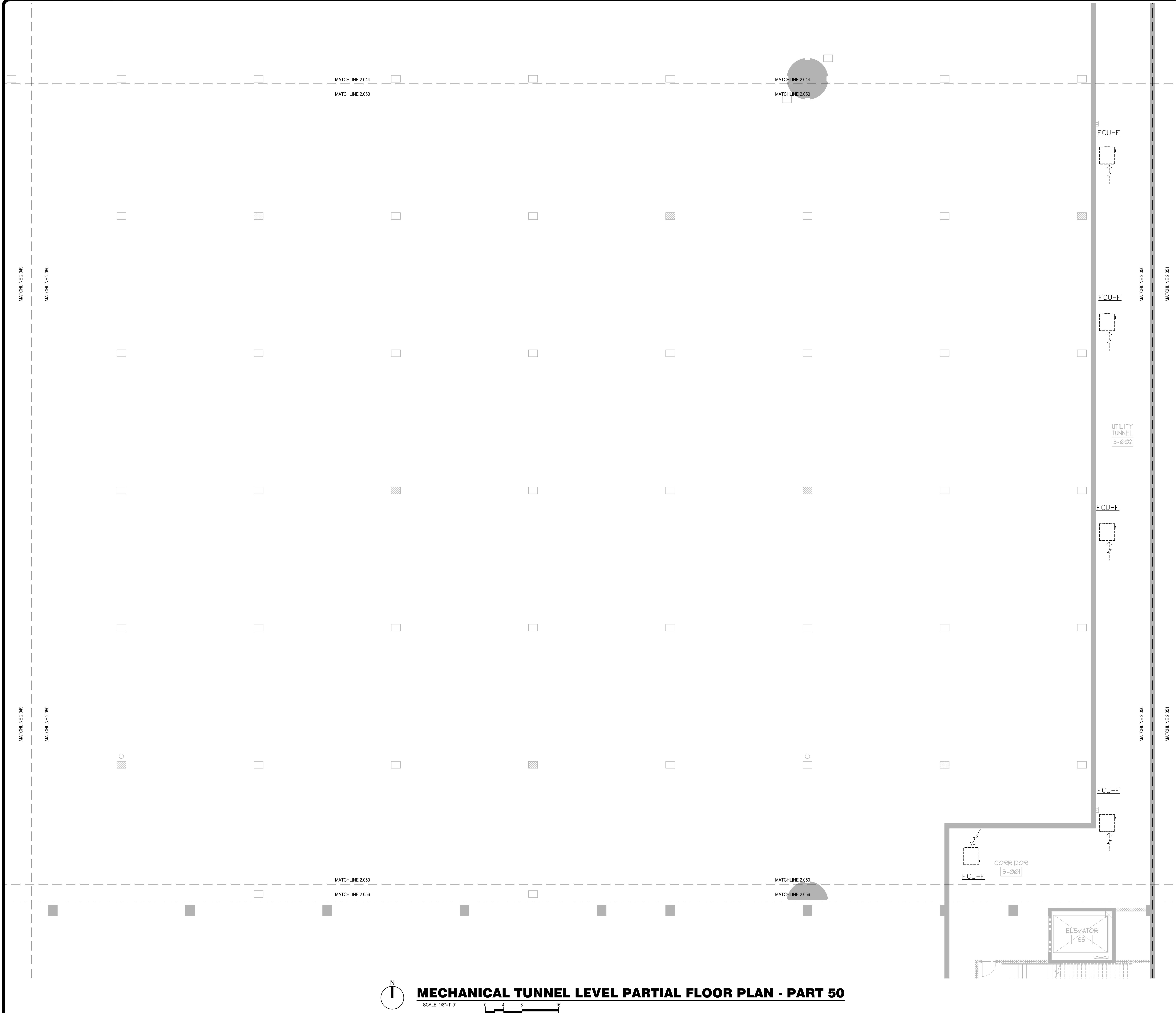
OCCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
Scale: AS SHOWN	Seal: 
Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record: GHULAM R. SHAHNAMI	
License Number: FL41204	

Sheet Name:

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 46

Sheet Number:

M2.046



GENERAL NOTES:

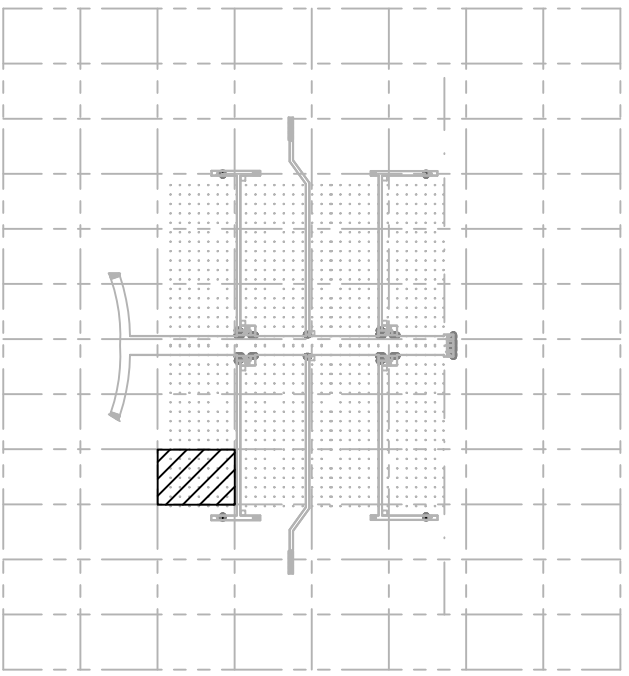
- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH OTHER TRADES TO AVOID DISRUPTION OF COOLING TO THE ADJACENT SPACES IS NOT ALLOWED. ANY DISCREPANCY BETWEEN THE PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SPECIFIED CLEARANCES ARE MAINTAINED.
- e. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MANUFACTURER REQUIREMENT SHALL APPLY.
- f. SCOPE OF WORK - VAVS (TYPICAL 285); PROVIDE NEW DA TEMP/SPACE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. FPEBS (TYPICAL 202); PROVIDE NEW DA TEMP/SPACE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. FOCUS (TYPICAL 47); PROVIDE NEW IRA AND SA TEMPERATURE SENSOR, PROVIDE NEW DA TEMPERATURE SENSOR, REFER TO CONTROL SHEETS FOR DETAILS.



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Orlando, Florida
32869**



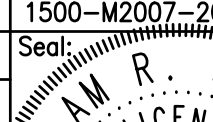
KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

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Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
Scale: AS SHOWN	Seal: 
Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record:	
GHULAM R. SHAHNAMI	
License Number:	
FL41204	

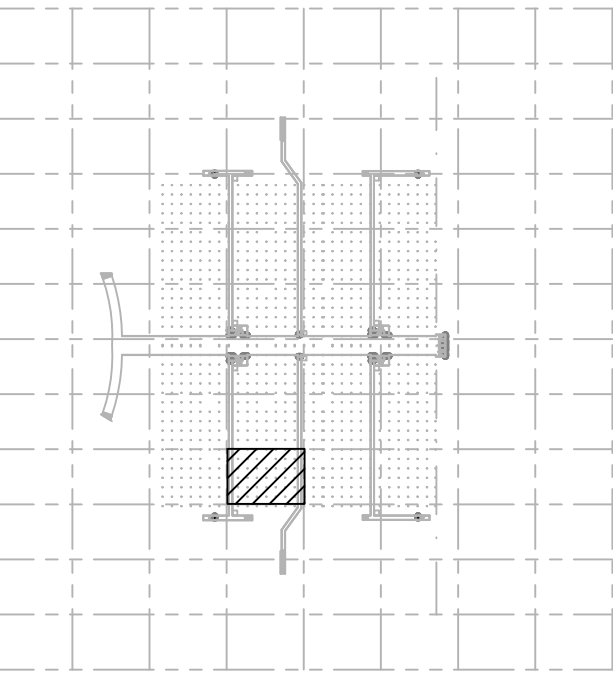
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MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 50

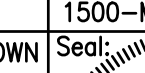
Sheet Number:

M2.050

1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.
4. PROVIDE NEW ZONE HUMIDITY SENSOR.

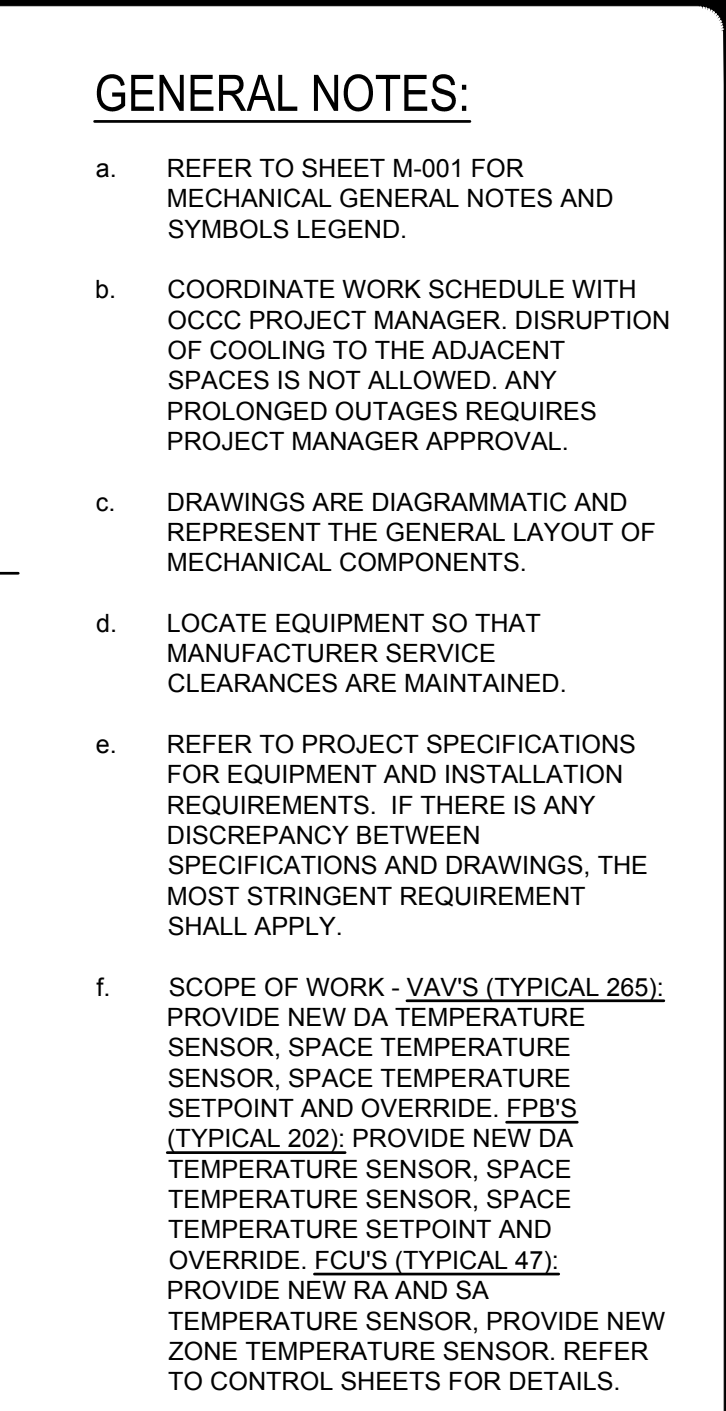
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OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2007-2017220.DWG
Scale: AS SHOWN	Seal: 
Design By: CS	
Drawn By: CS	
Checked By: BBS	
Engineer of Record: GHULAM R. SHAHNAMI	
License Number: FL41204	

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 51

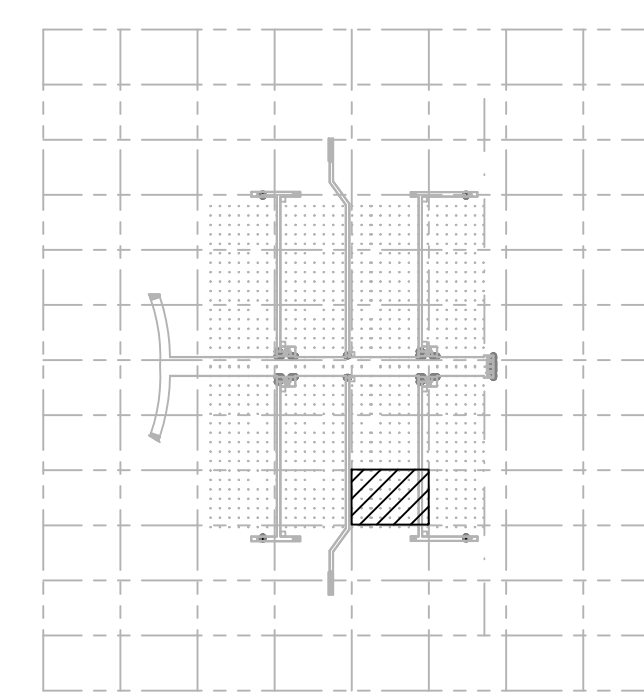
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Client Name:



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Convention Center
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Orlando, Florida
32869**



KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENT

[illegible]

Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

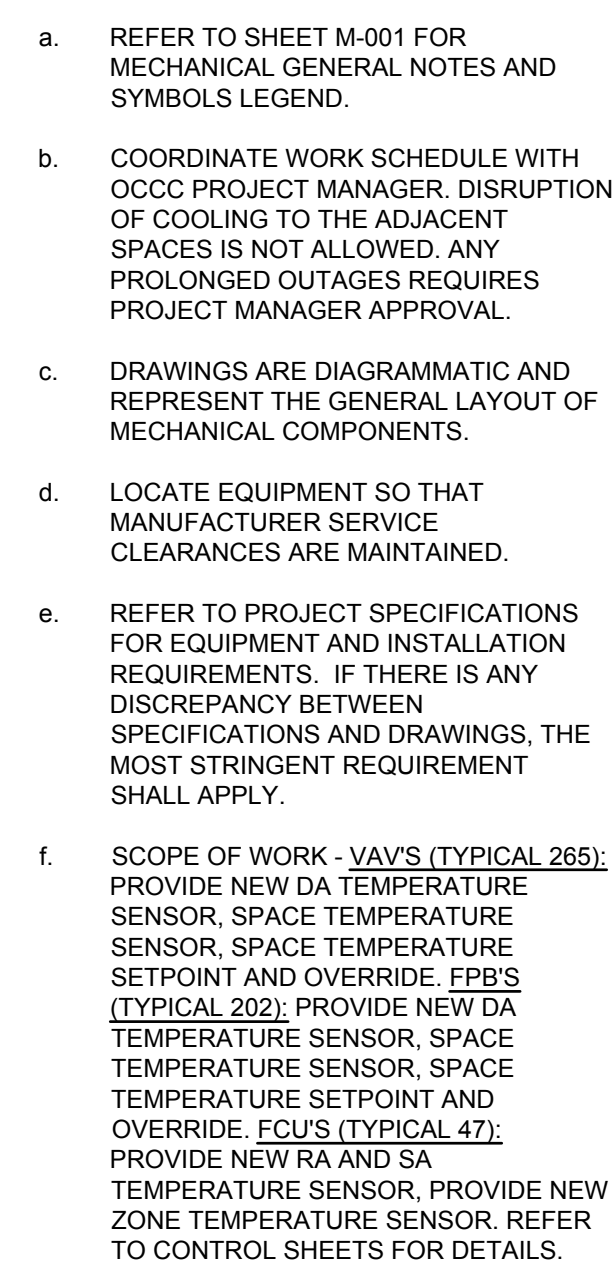
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Engineer of Record:	
GHULAM R. SHAHNAMI	
License Number:	
FL41204	

Sheet Name:

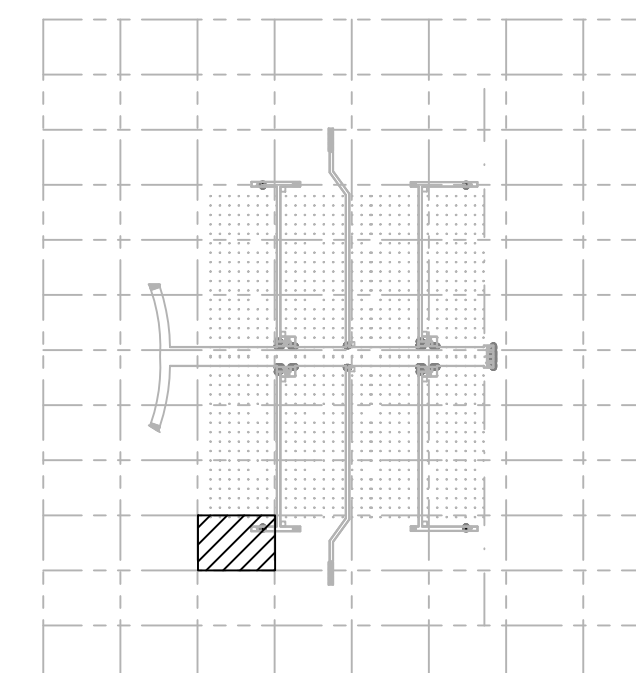
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TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 52

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Orlando, Florida
32869**



KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

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Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

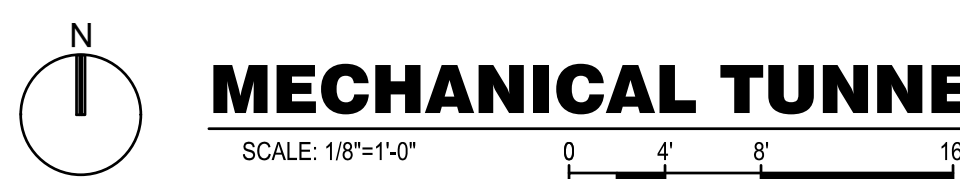
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Drawn By: CS			
Checked By: BBS			
Engineer of Record:			
GHULAM R. SHAHNAMEE			
License Number: FL41204			

Sheet Name:

MECHANICAL
TUNNEL LEVEL
PARTIAL FLOOR
PLAN - PART 56

Sheet Number:

M2.056



- SGM** 
ENGINEERING
MEP CONSULTING ENGINEERS
CA-00006208
935 LAKE BALDWIN LANE
ORLANDO, FL 32814
TEL: 407-767-5188
FAX: 407-767-5772
WWW.SGMENGINEERING.COM
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SGM # 2017-220

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

Project Name: **OCCC NORTH SOUTH BUILDINGS
BAS CONTROLS UPGRADE**

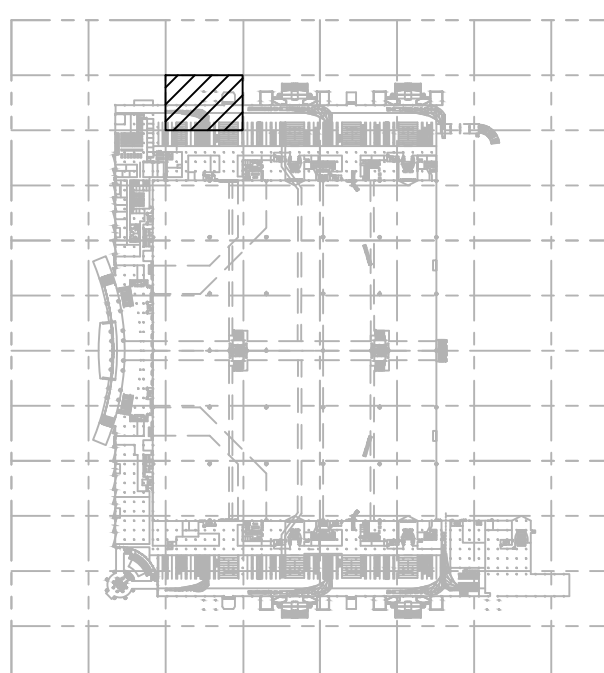
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Seal: 

M2.058

ent Name:



**Orange County
Convention Center
P. O. Box 691509
Orlando, Florida
32869**



KEY PLAN

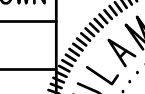
Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

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Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2107-2017220.DWG
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Scale:	AS SHOWN	Seal:	
Design By:	CS		
Drawn By:	CS		
Checked By:	BBS		
Engineer of Record:			
GHULAM R. SHANMAMI			
License Number:			
FL 41204			

Sheet Name:

MECHANICAL
EXHIBIT LEVEL
PARTIAL FLOOR
PLAN - PART 8

Sheet Number:

M2.108

GENERAL NOTES:

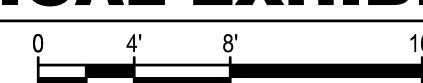
- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH OCCC PROJECT MANAGER. DISRUPTION OF COOLING TO THE ADJACENT SPACES IS NOT ALLOWED. ANY PROLONGED OUTAGES REQUIRES PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. COORDINATE WITH ELECTRICAL ENGINEER FOR LOCATION OF DISCONNECTS. DO NOT BLOCK SERVICE CLEARANCE TO EQUIPMENT.
- f. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- g. ALL EXISTING DUCTWORK, REGISTER GRILLS, EQUIPMENT AND PIPING IS SHOWN FOR REFERENCE ONLY.
- h. SCOPE OF WORK - VAWS (TYPICAL 265): PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. SPRBS (TYPICAL 202): PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE. FCUS (TYPICAL 47): PROVIDE NEW RA AND DA TEMPERATURE SENSOR, PROVIDE NEW ZONE TEMPERATURE SENSOR, EP'S AND TYPICAL 117: EXISTING DEVICES TO REMAIN, REFER TO MECHANICAL CONTROL SHEETS, M-000-M626, FOR DETAILS.
- i. REPLACE BAS CABINET WITH NEW. PROVIDE NEW CAT6 PLENUM CABLE AT THE BACK OF CABINET.

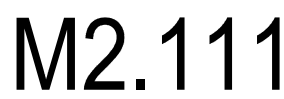
PLAN KEY NOTES:

1. PROVIDE NEW RA TEMPERATURE SENSORS.
2. PROVIDE NEW ZONE TEMPERATURE SENSOR.
3. REFER TO CONTROLS SHEETS FOR DETAILS.

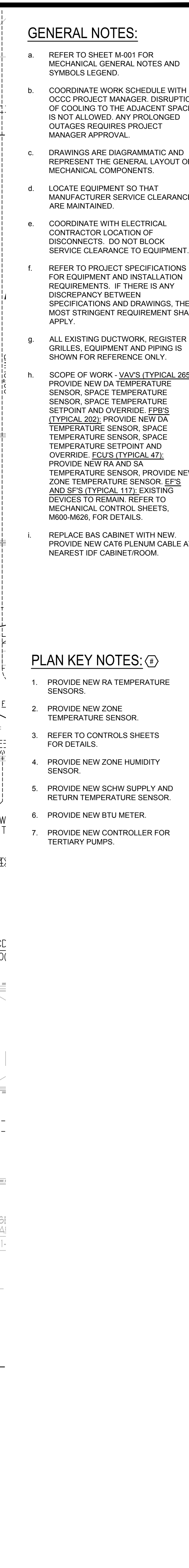
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SCALE: 1/8"=1'-0"

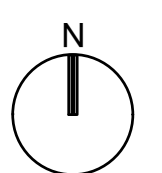
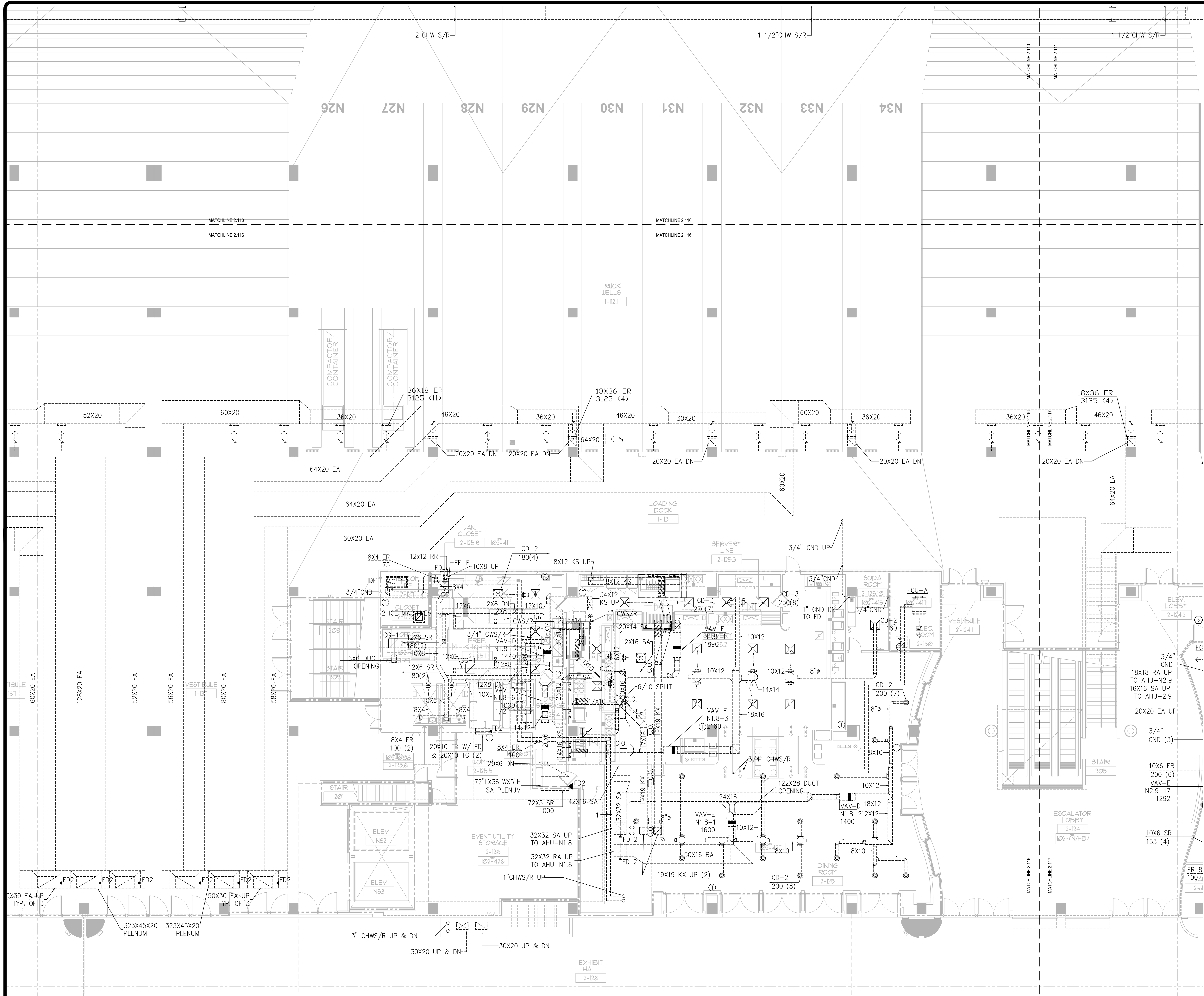




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MECHANICAL EXHIBIT LEVEL PARTIAL FLOOR PLAN - PART 16

GENERAL NOTES:

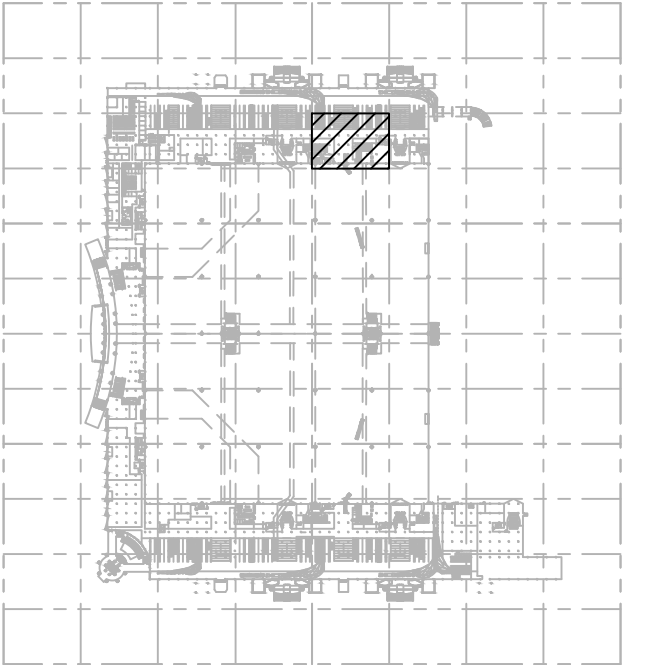
- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH OCCC PROJECT MANAGER. DISRUPTION OF COOLING TO THE ADJACENT SPACES IS NOT ALLOWED. ANY PROLONGED OUTAGES REQUIRES PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MANUFACTURER SERVICE CLEARANCES ARE MAINTAINED.
- e. COORDINATE WITH ELECTRICAL CONTRACTOR LOCATION OF DISCONNECTS. DO NOT BLOCK SERVICE CLEARANCE TO EQUIPMENT.
- f. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN SPECIFICATIONS AND DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- g. ALL EXISTING DUCTWORK, REGISTER GRILLES, EQUIPMENT AND PIPING IS SHOWN FOR REFERENCE ONLY.
- h. SCOPE OF WORK - VAV'S (TYPICAL 265); PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE: EPBS (TYPICAL 262); PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE: ECUS (TYPICAL 47); PROVIDE NEW RA AND SA TEMPERATURE SENSOR, PROVIDE NEW ZONE TEMPERATURE SENSOR, EPBS AND SFS (TYPICAL 117); EXISTING DEVICES TO REMAIN. REFER TO MECHANICAL CONTROL SHEETS, M600-M626, FOR DETAILS.
- i. REPLACE BAS CABINET WITH NEW. PROVIDE NEW CAT6 PLENUM CABLE AT NEAREST IDF CABINET ROOM.

SGM ENGINEERING
MEP CONSULTING ENGINEERS
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FAX: 407-767-5772
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S.G.M. # 2017-220

Client Name:



Orange County Convention Center
P. O. Box 691509
Orlando, Florida 32869



KEY PLAN

Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

No.	Date	Description

Project Name:
OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2107-2017220.DWG
Scale: AS SHOWN	Design By: CS
Drawn By: CS	Checked By: BBS
Engineer of Record: OULAM R. SHANNUM	Professional Engineer License Number: FL41204

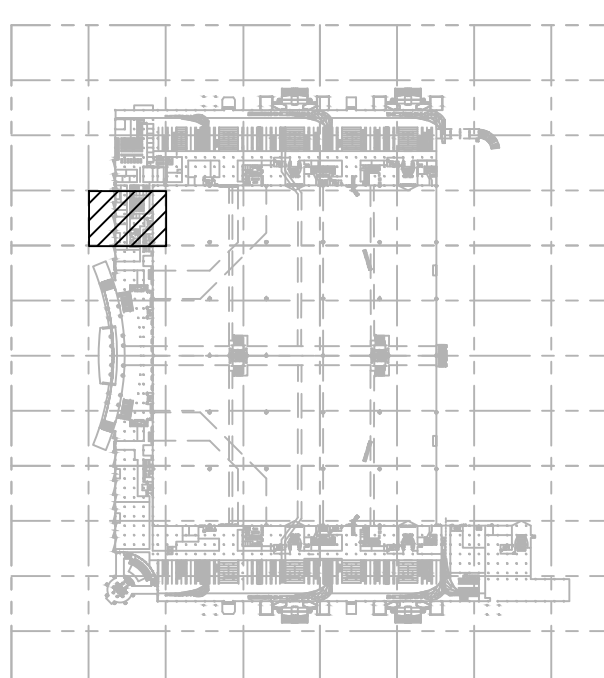
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MECHANICAL EXHIBIT LEVEL PARTIAL FLOOR PLAN - PART 16

Sheet Number:
M2.116

ent Name:



**Orange County
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Orlando, Florida
32869**



KEY PLAN

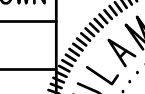
Issue: 12-6-18 100% CONSTRUCTION DOCUMENTS

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Project Name:

OCCC NORTH SOUTH BUILDINGS BAS CONTROLS UPGRADE

OCCC Project Number: Y17-813	Drawing File Name: 1500-M2107-2017220.DWG
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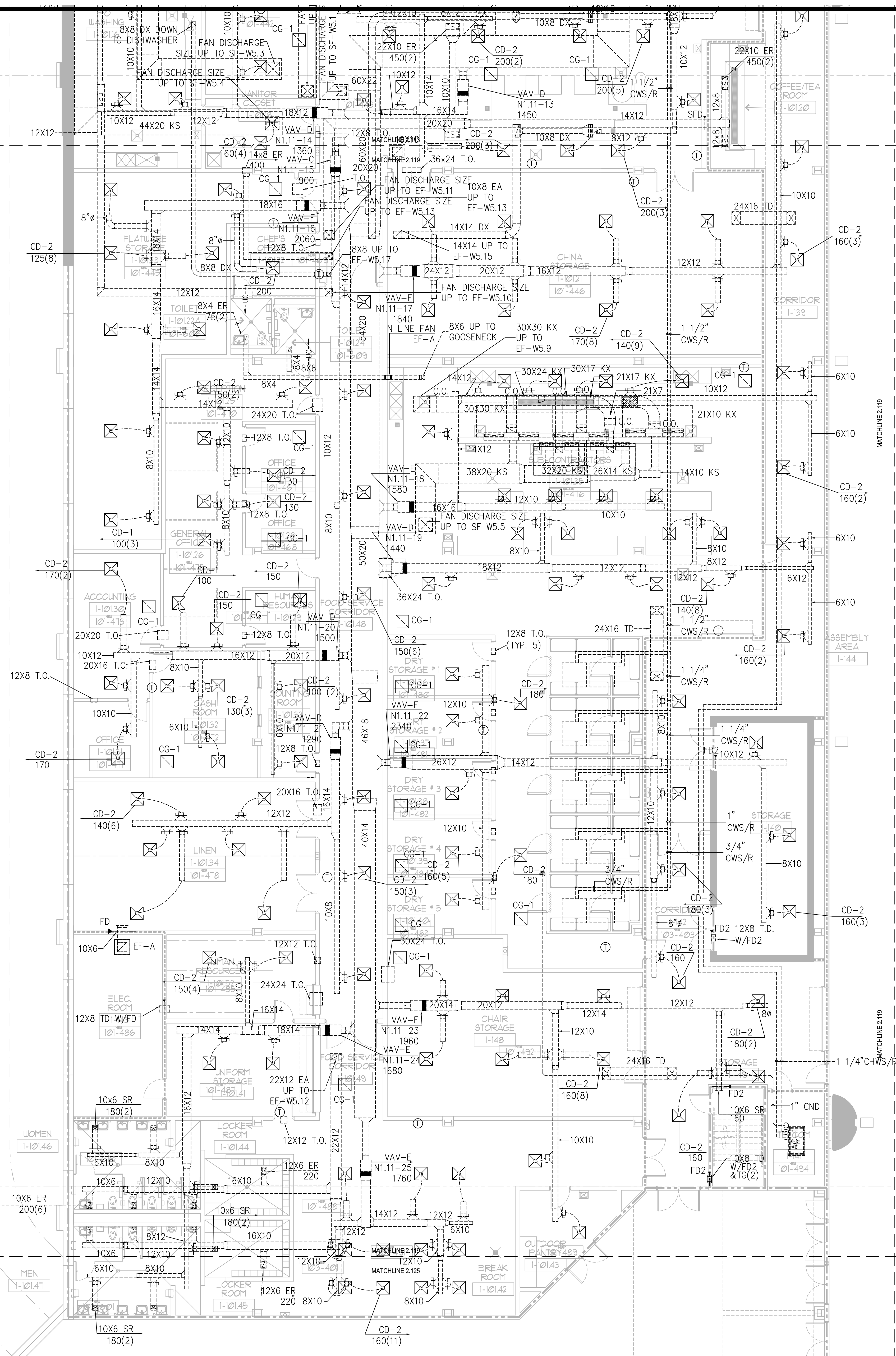
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Design By:	CS		
Drawn By:	CS		
Checked By:	BBS		
Engineer of Record:			
GHULAM R. SHANMAMI			
License Number:			
FL 41204			

Sheet Name

MECHANICAL
EXHIBIT LEVEL
PARTIAL FLOOR
PLAN - PART 19

Sheet Number

M2.119



GENERAL NOTES

- a. REFER TO SHEET M-001 FOR MECHANICAL GENERAL NOTES AND SYMBOLS LEGEND.
- b. COORDINATE WORK SCHEDULE WITH OCCP PROJECT MANAGER, DISRUPTION TO THE WORKING SPACE IS NOT ALLOWED. ANY PROLONGED OUTAGES REQUIRES PROJECT MANAGER APPROVAL.
- c. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE GENERAL LAYOUT OF MECHANICAL COMPONENTS.
- d. LOCATE EQUIPMENT SO THAT MAINTENANCE SERVICE CLEARANCES ARE MAINTAINED.
- e. COORDINATE WITH ELECTRICAL CONTRACTOR LOCATION OF DISCONNECTS. DO NOT BLOCK SERVICE CLEARANCE TO EQUIPMENT.
- f. REFER TO PROJECT SPECIFICATIONS FOR EQUIPMENT AND INSTALLATION REQUIREMENTS. IF THERE IS ANY DISCREPANCY BETWEEN THE SPECIFICATIONS AND DRAWINGS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- g. ALL EXISTING DUCTWORK, REGISTER GRILLES, EQUIPMENT AND PIPING IS SHOWN FOR REFERENCE ONLY.
- h. SCOPE OF WORK - VAWS (TYPICAL 265)
PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE, FBPS (TYPICAL 202), PROVIDE NEW DA TEMPERATURE SENSOR, SPACE TEMPERATURE SENSOR, SPACE TEMPERATURE SETPOINT AND OVERRIDE, FCUS (TYPICAL 47), PROVIDE NEW RA AND TEMPERATURE SENSOR, PROVIDE NEW ZONE TEMPERATURE SENSOR, FFS AND TYPICAL 112, EXISTING DEVICES TO REMAIN. REFER TO MECHANICAL CONTROL SHEETS, M800-M826, FOR DETAILS.
- i. REPLACE BAS CABINET WITH NEW. PROVIDE NEW CABINET X RUMUM CABLE AT NEAR END OF CABINET.

MECHANICAL EXHIBIT LEVEL PARTIAL FLOOR PLAN - PART 19

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

