UTHSC
MSB OFFICE AIR DISTRIBUTION - FLOORS 1-4
E&C PROJECT # 3300.02

DATE: 07-25-2019

DRAWING: A-167E
REVISION: Addendum #1
SCALE: 1/8" = 1'-0"

General Notes:
- All new sprinklers installed 2'-0" from adjacent walls, unless noted otherwise.
- Center of all shower heads, pull station heads, and wall controls to center of ceiling (unless noted otherwise).
- Exposed to exterior, protected from interior by existing fire sprinklers, smoke detectors, speakers, etc. (Per parade with tenant).

Addendum #1

- Existing Fire Sprinkler
- Existing Emergency Shower Head
- Existing Speaker
- Existing Projector
- Existing Video/Camera
- Existing Exposed. Not shown.

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

E&C Engineering & Consultant Inc.
12400 Clay Rd., Suite 200
Houston, TX 77024
Phone: 281-370-9900
Fax: 281-370-9911
www.eceng.com

Phil Wilke
Project Manager

Level 2 - Area 1 - New

Redrawn by: A-167E

E&C Project # 3300.02

DATE: 07-25-2019
General Notes:
- All new ceiling tile to be 2" x 2" type. Coved ceiling tile to be 2" x 2" x 1/2", unless noted otherwise, to be manufactured for open manway ceiling.
- Center all downlights, sprinkler heads, and wall washers in center of existing tile unless noted otherwise.
- Coordinate smoke, pressure and sound to existing ceiling tile areas, parking, emergency lighting, speakers, or other, as required. Coordinate with owner.

Addendum #1

UTHSC
MSB OFFICE AIR DISTRIBUTION - FLOORS 1-4
E&C PROJECT #3300.02

DATE: 07-25-2019

REVISION/Addendum #1

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

DRAWING: A-171F

www.eceng.com
www.pwarch.com
GENERAL NOTES:

A. THE INTENT OF THE DRAWING IS NOT TO RELOCATE SPRINKLER HEADS OR FA DEVICES.

DRAWING NOTES:

1. REMOVE SMOKE DETECTOR.
2. DEMOLISH THE LIGHT FIXTURES. CIRCUITING TO BE REUSED.
3. DEMOLISH THE LIGHT FIXTURES IN THE HALLWAY. CIRCUITING TO BE REUSED.
4. SMOKE DETECTOR IN FRONT OF ELEVATOR TO REMAIN.
5. PROVIDE ALTERNATE TO DEMOLISH EXISTING STRIP FIXTURES IN THE CHASES.
GENERAL NOTES:

1. THE INTENT OF THE DRAWINGS IS NOT TO RELOCATE SPRINKLER HEADS OR FA DEVICES. IF THE USER OF OFFICE LOCATION DOES NOT WORK WITH EXISTING SPRINKLER/DETECTOR EXISTING LOCATIONS OF DEVICES ARE SHOWN.

2. DRAWINGS NOTED:

   1. REMOVE SMOKE DETECTOR.
   2. DEMOLISH THE LIGHT FIXTURES. CIRCUITING TO BE REUSED.
   3. DEMOLISH THE LIGHT FIXTURES IN THE HALLWAY. CIRCUITING TO BE REUSED.
   4. PROVIDE ALTERNATE TO DEMOLISH EXISTING STRIP FIXTURES IN THE CHASES.
   5. SMOKE DETECTOR IN FRONT OF ELEVATOR TO REMAIN.

N.I.C.

30/05/19 ADDED: #01
GENERAL NOTES:
A. THE INTENT OF THE DRAWINGS IS NOT TO RELOCATE SPRINKLER HEADS OR FIRE APIPES.
   IF NEW LIGHT OR DIFFUSER LOCATION DOES NOT WORK WITH EXISTING SPRINKLER/FA
   DEVICE, PLEASE CONTACT ENGINEER OF RECORD FOR FURTHER DIRECTION.
   APPROXIMATE LOCATIONS OF DEVICES ARE SHOWN.

REMOVAL NOTES:
1. REMOVE SMOKE DETECTORS.
2. REMOVE THE LIGHT FIXTURES, CIRCUITING TO BE PRODUCED.
3. REMOVE SMOKE DETECTORS IN THE MALLETS, CIRCUITING TO BE PROVIDING.
4. SMOKE DETECTOR IN FRONT OF ELEVATOR TO REMAIN.
5. PROVIDE ALTERNATE TO DEMOLISH EXISTING STRIP FIXTURES IN THE CHASES.
6. DEMOLISH THE LIGHT FIXTURES IN THE HALLWAY. CIRCUITING TO BE REMOVED.
7. DEMOLISH THE LIGHT FIXTURES. CIRCUITING TO BE REUSED.
8. DEMOLISH THE LIGHT FIXTURES IN THE HALLWAY. CIRCUITING TO BE REUSED.
9. REMOVAL SMOKE DETECTOR.

DRAWING NOTES:
6. ADDENDUM #01
7. DRAWINGS NOTES:
   1. REMOVE SMOKE DETECTOR.
   2. REMOVE IT ABOVE CEILING & EGG CRATE GRILLES.
   3. PROVIDE ALTERNATE TO DEMOLISH EXISTING STRIP FIXTURES IN THE CHASES.
   4. SMOKE DETECTOR IN FRONT OF ELEVATOR TO REMAIN.
   5. DEMOLISH THE LIGHT FIXTURES IN THE HALLWAY. CIRCUITING TO BE REMOVED.
   6. DEMOLISH THE LIGHT FIXTURES. CIRCUITING TO BE REUSED.
   7. DEMOLISH THE LIGHT FIXTURES IN THE HALLWAY. CIRCUITING TO BE REUSED.
   8. DEMOLISH THE LIGHT FIXTURES. CIRCUITING TO BE REUSED.
   9. REMOVAL SMOKE DETECTOR.
<drawings_notes>

APPROXIMATE LOCATIONS OF DEVICES ARE SHOWN. IF NEW LIGHT OR DIFFUSER LOCATION DOES NOT WORK WITH EXISTING SPRINKLER/FA A. THE INTENT OF THE DRAWINGS IS NOT TO RELOCATE SPRINKLER HEADS OR FA DEVICES.

GENERAL NOTES:
A. THE ORDER OF THE DRAWINGS IS NOT TO SCALE. Specified heights or PA details are not intended for construction purposes or are not reviewed by the primary engineer of record. Approximate locations of devices are shown.

DRAWINGS NOTES:
1. PROVIDE ALTERNATE TO DEMOLISH EXISTING STRIP FIXTURES IN THE CHASES.
2. DEMOLISH THE LIGHT FIXTURES. CIRCUITING TO BE REUSED.
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5. PROVIDE ALTERNATE TO DEMOLISH EXISTING STRIP FIXTURES IN THE CHASES.
01  2ND FLOOR ELECTRICAL/CEILING DEMO AREA A PLAN

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

GENERAL NOTES:

DRAWINGS NOTES:
1. REMOVE SMOKE DETECTORS.
2. DEMOLISH THE LIGHT FIXTURES IN THE HALLWAY. CIRCUITING TO BE REUSED.
3. DEMOLISH THE LIGHT FIXTURES. CIRCUITING TO BE REUSED.
4. DEMOLISH THE LIGHT FIXTURES IN THE HALLWAY, CIRCUITING TO BE REUSED.

APPROXIMATE LOCATIONS OF DEVICES ARE SHOWN.

PROVIDE ALTERNATE TO DEMOLISH EXISTING STRIP FIXTURES IN THE CHASES.

2ND FLOOR ELECTRICAL/CEILING DEMO AREA A PLAN

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

E&C PROJECT # 3300.02

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E&C ENGINEERS & CONSULTANTS INC.
1010 LAMAR, SUITE 650
HOUSTON, TEXAS 77002
TELEPHONE 713/580-8800
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WWW.ECENG.COM

TX FIRM REGISTRATION NO: F-003068

THE SEAL APPEARING ON THIS DRAWING WAS AUTHORIZED BY:
E&C ENGINEERS & CONSULTANTS INC.

Digitally signed
by Heather
Camden
Date: 2019.07.24
19:05:26-05'00'
GENERAL NOTES:
A. THE INCREASE OF THE DRAWINGS IS NOT TO PRESCRIBE EXACT PLACEMENTS OF FIXTURES OR DOCUMENT SPECIFIC ROOF PLACED FIXTURES. APPROXIMATE LOCATIONS OF FIXTURES ARE SHOWN.

WORK AREA NOTES:
1. REMOVE SMOKE DETECTORS.
2. DEMOLISH THE LIGHT FIXTURES, EXISTING TO BE REUSED.
3. DEMOLISH THE LIGHT FIXTURES IN THE HALLWAY, CIRCUITING TO BE REUSED.
4. PROVIDE ALTERNATE TO DEMOLISH EXISTING STRIP FIXTURES IN THE CHASES.
5. SMOKE DETECTOR IN FRONT OF ELEVATOR TO REMAIN. TO BE REUSED.

DRAWING NOTES:
7/25/2019   ADDENDUM #01

THE SEAL APPEARING ON THIS DRAWING WAS AUTHORIZED BY:
E&C Engineers & Consultants Inc.
Texas Firm Registration No: F-003068

STATE OF TEXAS
PROFESSIONAL ENGR.

Digitally signed by Heather Camden
Date: 2019.07.24 19:05:26-05'00'

2ND FLOOR ELECTRICAL/CEILING DEMO AREA D PLAN

2.2 H 1
2.2 H 3
2.6 H 1
2.4 H 1

1/8"=1'-0"
DRAWINGS NOTES:

1. PROVIDE LED FIXTURES IN OFFICE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K. REPLACE FIXTURES MANUFACTURED BY ECO with 3-WAY TIMER SWITCH. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH.

2. PROVIDE SYSTEM PER THE SPECIFICATION.

3. CONTRACTOR MAY PROVIDE CIRCUIT THAT IS MOST CONVENIENT TO THE LOCATION. NOTE FREE CIRCUITS AT THE TIME OF WALK-THRU ARE:

   PROVIDE TWO NEW CIRCUITS FOR CONTROLS POWER FROM THE CHASE.

   PROVIDE SYSTEM PER THE SPECIFICATION.

4. ADD AND RELOCATE FIRE ALARM DEVICES AS REQUIRED TO PROVIDE PROPER COVERAGE.

GENERAL NOTES:

1. LED FIXTURE MANUFACTURER BY CREE MODEL S-WR ESSENTIA LED LIGHT FIXTURES. MANUFACTURED WITH 3-WAY TOGGLE SWITCH. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH.

2. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH.

3. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH.

4. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH.

5. PROVIDE SYSTEM PER THE SPECIFICATION.

6. ADD AND RELOCATE FIRE ALARM DEVICES AS REQUIRED TO PROVIDE PROPER COVERAGE.

COORDINATE ADJUSTMENT IN CEILING GRID AS NEEDED TO ALIGN WITH RA DUCT IN CORRIDOR.

THE AREA RECENTLY RENOVATED, NO work will be performed in this area.

A. LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH.

B. PROVIDE SYSTEM PER THE SPECIFICATION.

C. ADD AND RELOCATE FIRE ALARM DEVICES AS REQUIRED TO PROVIDE PROPER COVERAGE.

D. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH.

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F. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH.

G. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH.
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E&C PROJECT # 3300.02

01 1ST FLOOR ELECTRICAL/CEILING RENO AREA D PLAN

DRAWINGS REVIEW

1. SERVICE LOOP IN OFFICES WILL USE LED FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. INSTALL 2X2 CEILING TILES TO REPLACE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: ZR24T-40L-40K. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: S-WR ESSENTIAL LED FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH. PROVIDE SYSTEM PER THE SPECIFICATION.

2. INSTALL MOTION SENSORS IN RESTROOM TO COVER ALL AREAS. WATTSTOPPER DT-300/BZ150. WHICH IT IS LOCATED. NOTE THESE LIGHTS ARE 3" DEEP.

3. ELECTRICAL LIGHTS SHALL REPLACE WITHIN THE CURRENT LIGHTING Fixtures. Some Sprinkler pipe routed tight to the ceiling may need to be relocated.

4. PROVIDE AND INSTALL THREE-WAY LIGHTING FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. INSTALL 2X2 CEILING TILES TO REPLACE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: ZR24T-40L-40K. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: S-WR ESSENTIAL LED FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH. PROVIDE SYSTEM PER THE SPECIFICATION.

5. ELECTRICAL LIGHTS SHALL REPLACE WITHIN THE CURRENT LIGHTING Fixtures. Some Sprinkler pipe routed tight to the ceiling may need to be relocated.

6. PROVIDE AND INSTALL THREE-WAY LIGHTING FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. INSTALL 2X2 CEILING TILES TO REPLACE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: ZR24T-40L-40K. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: S-WR ESSENTIAL LED FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH. PROVIDE SYSTEM PER THE SPECIFICATION.

7. ELECTRICAL LIGHTS SHALL REPLACE WITHIN THE CURRENT LIGHTING Fixtures. Some Sprinkler pipe routed tight to the ceiling may need to be relocated.

8. PROVIDE AND INSTALL THREE-WAY LIGHTING FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. INSTALL 2X2 CEILING TILES TO REPLACE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: ZR24T-40L-40K. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: S-WR ESSENTIAL LED FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH. PROVIDE SYSTEM PER THE SPECIFICATION.

9. ELECTRICAL LIGHTS SHALL REPLACE WITHIN THE CURRENT LIGHTING Fixtures. Some Sprinkler pipe routed tight to the ceiling may need to be relocated.

10. PROVIDE AND INSTALL THREE-WAY LIGHTING FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. INSTALL 2X2 CEILING TILES TO REPLACE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: ZR24T-40L-40K. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: S-WR ESSENTIAL LED FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH. PROVIDE SYSTEM PER THE SPECIFICATION.

11. ELECTRICAL LIGHTS SHALL REPLACE WITHIN THE CURRENT LIGHTING Fixtures. Some Sprinkler pipe routed tight to the ceiling may need to be relocated.

12. PROVIDE AND INSTALL THREE-WAY LIGHTING FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. INSTALL 2X2 CEILING TILES TO REPLACE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: ZR24T-40L-40K. PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE. MODEL: S-WR ESSENTIAL LED FIXTURES MANUFACTURED BY CREE. MODEL: LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH 3-WAY TOGGLE SWITCH. PROVIDE SYSTEM PER THE SPECIFICATION.

13. ELECTRICAL LIGHTS SHALL REPLACE WITHIN THE CURRENT LIGHTING Fixtures. Some Sprinkler pipe routed tight to the ceiling may need to be relocated.
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E&C PROJECT # 3300.02

1. LM4

FUME HOOD
1.304
1.304B
1.028
1.195
1.193
1.191
1.190
1.192
1.194
1.196
1.006
1.006A
1.204
1.200
1.000
1.002
1.004
1.008
1.2 M1
1.0 M1
1.0 E1

N.I.C.
N.I.C.
N.I.C.
N.I.C.
N.I.C.
N.I.C.

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

DRAWINGS NOTES:

1. REPLACE/RELOCATE DOWNLIGHT WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH WITH ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL LS4-40L-40K. PROVIDE SYSTEM PER THE SPECIFICATION.

2. PROVIDE TWO NEW CIRCUITS FOR CONTROLS POWER FROM THE CHASE. ADD AND RELOCATE FIRE ALARM DEVICES AS REQUIRED TO PROVIDE PROPER COVERAGE. PROVIDE SYSTEM PER THE SPECIFICATION.

3. PROVIDE WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING. RECONNECT TO CIRCUIT SERVING AND WIRELESS COMMUNICATION. LAMP TYPE 4000 LM 4000K K 90 CRI LED < 10% THD MODEL ZR24T-40L-40K-CMA WITH CMC-1 SMARTCAST INTEGRAL MOTION AND AMBIENT SENSORS REPLACE LIGHT FIXTURES WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL LS4-40L-40K. PROVIDE SYSTEM PER THE SPECIFICATION.

4. WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING. THE AREA AND REPLACE EXISTING SWITCHES WITH CRE NO. CFP-IWN WALL SWITCH WITH DIMMING LED DRIVER 120/277V, 44W LAY -IN MOUNT. RECONNECT TO CIRCUIT SERVING AND WIRELESS COMMUNICATION. LAMP TYPE 4000 LM 4000K K 90 CRI LED <10% THD MODEL ZR24T-40L-40K-CMA WITH CMC-1 SMARTCAST INTEGRAL MOTION AND AMBIENT SENSORS REPLACE LIGHT FIXTURES WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL LS4-40L-40K. PROVIDE SYSTEM PER THE SPECIFICATION.

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6. REPLACE LIGHT FIXTURES MANUFACTURED BY CREE MODEL LS4-40L-40K. PROVIDE SYSTEM PER THE SPECIFICATION.

7. PROVIDE TWO NEW CIRCUITS FOR CONTROLS POWER FROM THE CHASE. ADD AND RELOCATE FIRE ALARM DEVICES AS REQUIRED TO PROVIDE PROPER COVERAGE. PROVIDE SYSTEM PER THE SPECIFICATION.

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GENERAL NOTES:

1. THE EFFECT OF THE CONSTRUCTION IS NOT TO INDIRECTLY AFFECT MATH OR TO DEFINE. IF ANY DRAWING INSTRUCTIONS ARE NOT CONFIRMED AN OFFICIAL E&C LETTER, THESE DRAWING INSTRUCTIONS ARE NOT TO BE CONSIDERED PART OF THE CONTRACT.

2. PROVIDE TWO NEW CIRCUITS FOR CONTROLS POWER FROM THE CHASE. ADD AND RELOCATE FIRE ALARM DEVICES AS REQUIRED TO PROVIDE PROPER COVERAGE. PROVIDE SYSTEM PER THE SPECIFICATION.

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2ND FLOOR ELECTRICAL/CEILING RENO AREA A PLAN

01

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E&C
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7991 Registered No. F-003068
1010 Lamp; Suite 350
Houston, Texas 77002
Tel: 713/580-8888
Fax 713/580-8889
www.eceng.com

07/25/2019 ADNYM #21
REVISION: CONSTRUCTION
SCALE: 1/8"=1'-0"
DATE: 05-17-2019

THE SEAL APPEARING ON THIS DRAWING WAS AUTHORIZED BY:
E&C Engineers & Consultants Inc.

NORTH AND SOUTHERNstormy DERECTION

E: NORTH
F: SOUTH
R: EAST
S: WEST

U:

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R: EAST
S: WEST

U:

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NORTH AND SOUTHERNstormy DERECTION

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F: SOUTH
R: EAST
S: WEST

U:

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INSTALL MOTION SENSORS IN RESTROOM TO COVER ALL AREAS. WATTSTOPPER DT-300/BZ150. WRAP-40L-40K. INSERTS SHALL BE SWITCHED WITH THE HALLWAY IN LED FIXTURES MANUFACTURER BY CREE MODEL S-WR ESSENTIA LED IN LOCATIONS WITH HARD CEILING INSETS REPLACE FIXTURES WITH NEW WITH 3-WAY TOGGLE SWITCH. FIXTURES MANUFACTURED BY CREE MODEL LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH PULL CIRCUITS FROM ANOTHER CHASE. IF NO CIRCUITS ARE AVAILABLE, NOTIFY THE ENGINEER ASAP. CONTRACTOR MAY NEED TO THE LOCATION. NOTE CIRCUITS USED ON AS-BUILTS. CONTRACTOR MAY PROVIDE CIRCUIT THAT IS MOST CONVENIENT TO FREE CIRCUITS AT THE TIME OF WALK-THRU ARE: PROVIDE SYSTEM PER THE SPECIFICATION. TROFFER. EGG CRATE TO REPLACE WITH 2X2 CEILING TILES. 5. REMOTE CONTROLLED MOTION SENSORS IN HALLWAY TO CONTROL LIGHTING. DIMMING LED DRIVER 120/277V, 44W RECESSED MOUNTING. RECONNECT TO EXISTING LD6A20-DE010TE-ERMA20-80-40 WITH 3000 LM 4000 K 90 CRI LED <10% THD REPLACE/RELOCATE DOWNLIGHT WITH NEW PORTFOLIO AND GRILLES. COORDINATE ADJUSTMENT IN CEILING GRID AS NEEDED TO ALIGN WITH RA DUCT WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING. DIMMING LED DRIVER 120/277V,44W LAY-IN MOUNT. RECONNECT TO CIRCUIT SERVING AND WIRELESS COMMUNICATION. LAMP TYPE 4000 LM 4000K K 90 CRI LED <10% THD MODEL ZR24T-40L-40K-CMA WITH CMC-1 SMARTCAST INTEGRAL MOTION AND AMBIENT SENSORS REPLACE LIGHT FIXTURES IN OFFICES WITH NEW LED FIXTURES MANUFACTURED BY CREE DRAWINGS NOTES: TO BE RELOCATED. LIGHTS ARE 3" DEEP. SOME SPRINKLER PIPE ROUTED TIGHT TO THE CEILING MAY NEED DEVICE, PLEASE CONTACT ENGINEER OF RECORD FOR FURTHER DIRECTION. NOTE NEW IF NEW LIGHT OR DIFFUSER LOCATION DOES NOT WORK WITH EXISTING SPRINKLER/FA DEVICE. THE INTENT OF THE DRAWINGS IS NOT TO RELOCATE SPRINKLER HEADS OR FA DEVICES. THE INTENT OF THE DRAWINGS IS NOT TO RELOCATE SPRINKLER HEADS OR FA DEVICES.
MSB OFFICE AIR DISTRIBUTION - FLOORS 1-4

E&C PROJECT # 3300.02

01 2ND FLOOR ELECTRICAL/CEILING RENO AREA E PLAN

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

WITH 3-WAY TOGGLE SWITCH. FIXTURES MANUFACTURED BY CREE MODEL LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED FIXTURES MANUFACTURED BY CREE.

THE LOCATION. NOTE CIRCUITS USED ON AS-BUILTS.

CONTRACTOR MAY PROVIDE CIRCUIT THAT IS MOST CONVENIENT TO LOCATION. PROVIDE TWO NEW CIRCUITS FOR CONTROLS POWER FROM THE CHASE.

FREE CIRCUITS AT THE TIME OF WALK-THRU ARE:

PROVIDE SYSTEM PER THE SPECIFICATION.

ADD AND RELOCATE FIRE ALARM DEVICES AS REQUIRED TO PROVIDE PROPER COVERAGE. PROVIDE SYSTEM PER THE SPECIFICATION.

THE AREA AND REPLACE EXISTING SWITCHES WITH CRE NO. CFP-IWN WALL SWITCH WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.

THE AREA AND REPLACE EXISTING SWITCHES WITH CRE NO. CFP-IWN WALL SWITCH WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.

REPLACE LIGHT FIXTURES IN OFFICES WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K-CMA WITH CMC-1 SMARTCAST INTEGRAL MOTION AND AMBIENT SENSORS AND WIRELESS COMMUNICATION. LAMP TYPE 4000 LM 4000K 90 CRI LED <10% THD.

REPLACE/RELOCATE DOWNLIGHT WITH NEW PORTFOLIO LED DRIVER 120/277V, 44W LAY-IN MOUNT. RECONNECT TO CIRCUIT SERVING AND WIRELESS COMMUNICATION. LAMP TYPE 4000 LM 4000K 90 CRI LED <10% THD.

NO NEW LIGHT FIXTURES SHALL REPLACE WITHIN THE CURRENT LIGHTING TROFFER. FIXTURES TO REPLACE WITHIN THE CEILING TILES.

LED DRIVER 120/277V, 44W RECESSED MOUNTING. RECONNECT TO EXISTING CIRCUIT SERVING AND WIRELESS COMMUNICATION. LAMP TYPE 4000 LM 4000K 90 CRI LED <10% THD.

REPLACE LIGHT FIXTURES IN OFFICES WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K-CMA WITH CMC-1 SMARTCAST INTEGRAL MOTION AND AMBIENT SENSORS IN CORRIDOR.

REPLACE LIGHT FIXTURES WITH NEW LED FIXTURES MANUFACTURED BY CREE WITH WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.

NOTE CIRCUITS USED ON AS-BUILTS.

IF NEW LIGHT OR DIFFUSER LOCATION DOES NOT WORK WITH EXISTING SPRINKLER/FA DEVICE, PLEASE CONTACT ENGINEER OF RECORD FOR FURTHER DIRECTION. NOTE NEW LIGHT FIXTURE LOCATION.

LIGHTS ARE 3" DEEP. SOME SPRINKLER PIPE ROUTED TIGHT TO THE CEILING MAY NEED TO BE RELOCATED. NOTE NEW LIGHT FIXTURE LOCATION. WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.

THE INTENT OF THE DRAWINGS IS NOT TO RELOCATE SPRINKLER HEADS OR FA DEVICES. THE LOCATION SHOULD WORK WITH EXISTING SPRINKLER/FA DEVICES. NOTE NEW LIGHT FIXTURE LOCATION.

IF NEW LIGHT OR DIFFUSER LOCATION DOES NOT WORK WITH EXISTING SPRINKLER/FA DEVICE, PLEASE CONTACT ENGINEER OF RECORD FOR FURTHER DIRECTION. NOTE NEW LIGHT FIXTURE LOCATION.
INSTALL MOTION SENSOR IN RESTROOMS TO COVER ALL AREAS. WATTSTOPPER DT-300/BZ-150. AND GRILLES.
COORDINATE ADJUSTMENT IN CEILING GRID AS NEEDED TO ALIGN WITH RA DUCT WITH 3-WAY TOGGLE SWITCH.
FIXTURES MANUFACTURED BY CREE MODEL LS4-40L-40K. REPLACE 3-WAY TIMER SWITCH PROVIDE ALTERNATE PRICING TO REPLACE CURRENT STRIP FIXTURE WITH NEW LED THE LOCATION. NOTE CIRCUITS USED ON AS-BUILTS.
CONTRACTOR MAY PROVIDE CIRCUIT THAT IS MOST CONVENIENT TO 4LR - 21/23 SPARE 2 POLE BREAKER THAT MAY BE REPLACED, 27, 33 & 35 SPACE 4LN - NO SPARES OR SPACES. FREE CIRCUITS AT THE TIME OF WALK-THRU ARE: PROVIDE TWO NEW CIRCUITS FOR CONTROLS POWER FROM THE CHASE.
PROPER COVERAGE. PROVIDE SYSTEM PER THE SPECIFICATION.
ADD AND RELOCATE FIRE ALARM DEVICES AS REQUIRED TO PROVIDE TROFFER. EGG CRATE TO REPLACE WITH 2X2 CEILING TILES.
NO NEW LIGHT FIXTURES SHALL REPLACE WITHIN THE CURRENT LIGHTING HALLWAY SWITCH.
LED DRIVER 120/277V, 44W RECESSED MOUNTING. RECONNECT TO EXISTING LD6A20-DE010TE-ERMA20-80-40 WITH 3000 LM 4000 K 90 CRI LED <10% THD REPLACE/RELOCATE DOWNLIGHT WITH NEW PORTFOLIO THE HALLWAY IN WHICH IT IS LOCATED. NOTE THESE LIGHTS ARE 3" DEEP.
S-WR ESSENTIA LED WRAP-40L-40K. INSERTS SHALL BE SWITCHED WITH NEW LED FIXTURES MANUFACTURED BY CREE MODEL ZR24T-40L-40K-CMA WITH CMC-1 SMARTCAST INTEGRAL MOTION AND AMBIENT SENSORS IN CORRIDOR REPLACE LIGHT FIXTURES WITH NEW LED FIXTURES MANUFACTURED BY CREE WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.
THE AREA AND REPLACE EXISTING SWITCHES WITH CRE NO. CFP-IWN WALL SWITCH WITH DIMMING LED DRIVER 120/277V, 44W LAY-IN MOUNT. RECONNECT TO CIRCUIT SERVING AND WIRELESS COMMUNICATION. LAMP TYPE 4000 LM 4000K K 90 CRI LED< 10% THD MODEL ZR24T-40L-40K-CMA WITH CMC-1 SMARTCAST INTEGRAL MOTION AND AMBIENT SENSORS REPLACE LIGHT FIXTURES IN OFFICES WITH NEW LED FIXTURES MANUFACTURED BY CREE WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.
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THE AREA AND REPLACE EXISTING SWITCHES WITH CRE NO. CFP-IWN WALL SWITCH WITH DIMMING LED DRIVER 120/277V, 44W LAY-IN MOUNT. RECONNECT TO CIRCUIT SERVING AND WIRELESS COMMUNICATION. LAMP TYPE 4000 LM 4000K K 90 CRI LED< 10% THD MODEL ZR24T-40L-40K-CMA WITH CMC-1 SMARTCAST INTEGRAL MOTION AND AMBIENT SENSORS REPLACE LIGHT FIXTURES IN OFFICES WITH NEW LED FIXTURES MANUFACTURED BY CREE WIRELESS DIMMING CAPABILITY TO CONTROL ROOM LIGHTING.
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01 TYPICAL FLOOR PLUMBING PLAN

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

DRAWING NOTES:
A. RE: MEP-000 FOR ADDITIONAL GENERAL NOTES.

GENERAL NOTES:
4. FOR ADDITIONAL GENERAL NOTES.

1. PROVIDE ISOLATION ON USERS EXHAUST.
   WATER AND WASTE PIPING FOR ALL THREE SANITARY IN TWO
   RESTROOMS TO COMPLY WITH 2012 TEXAS ACCESSIBILITY STANDARDS.

2. DISCONNECT POWER FROM EXISTING HAND DRYER AND
   DISCONNECT FROM EXISTING HAND DRYER LOCATION SHOWN ON
   ARCHITECTURAL DRAWINGS TO COMPLY WITH 2012
   ACCESSIBILITY STANDARDS AND RECONNECT POWER TO NEW HAND
   DRYER.

3. REPLACE THE EXISTING HANDICAPPED HEIGHT
   DRAWER UNIT.6'-0" WHICH IS COMPLIANT WITH
   THE 2006 TEXAS ACCESSIBILITY STANDARDS, INSTALLING AS A
   NEWLY CONCEIVED UNIT 5'-11-1/2" WHICH IS COMPLIANT WITH THE
   2012 TEXAS ACCESSIBILITY STANDARDS. INSTALL UNIT AT A
   HEIGHT COMPLIANT WITH THE 2012 TEXAS ACCESSIBILITY
   STANDARDS, INSTALLATION OF HANDLE ON EXISTING FRAME AND
   REPLACE THE EXISTING FRAME WITH A NEW FRAME, THE
   INSTALLATION LOCATED AS SHOWN ON THE ARCHITECTURAL
   DRAWINGS FOR ADDITIONAL INFORMATION.

4. PROVIDE INSULATION ON UNDER LAVATORY
   WATER AND WASTE PIPING FOR ALL THREE LAVATORIES IN THIS
   RESTROOM TO COMPLY WITH 2012 TEXAS ACCESSIBILITY STANDARDS.

5. DISCONNECT POWER FROM EXISTING HAND
   DRYER, RELOCATE ROUGH-IN TO NEW HAND DRYER LOCATION SHOWN ON
   ARCHITECTURAL DRAWINGS TO COMPLY WITH 2012 TEXAS
   ACCESSIBILITY STANDARDS.

6. REPLACE THE EXISTING HANDICAPPED HEIGHT
   DRAWER UNIT.6'-0" WHICH IS COMPLIANT WITH
   THE 2006 TEXAS ACCESSIBILITY STANDARDS, INSTALLING AS A
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   REPLACE THE EXISTING FRAME WITH A NEW FRAME, THE
   INSTALLATION LOCATED AS SHOWN ON THE ARCHITECTURAL
   DRAWINGS FOR ADDITIONAL INFORMATION.

DRAWING: MSB OFFICE AIR DISTRIBUTION - FLOORS 1-4

E&C PROJECT # 3300.02

E&C

Engineers & Consultants Inc.
TX Firm Registration No: F-003068
1010 Lamar, Suite 650
Houston, Texas 77002
Tel  713/580-8800
Fax 713/580-8888
www.eceng.com

STATE OF TEXAS
PROFESSIONAL ENGINEER

Digitally signed
by Heather
Camden
Date: 2019.07.24
19:05:26-05'00'

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E&C Engineers & Consultants Inc.

Texas Firm Registration No: F-003068

Digitally signed
by Heather
Camden
Date: 2019.07.24
19:05:26-05'00'
**PLUMBING FIXTURES SCHEDULE**

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**SHOCK ARRESTOR SCHEDULE**

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