



December 19, 2016

Craig A. Miller Sr
Webster University
470 East Lockwood Ave
St. Louis, MO 63119-3194

Via Email

Re: Paric Corporation Project No. 15051
15051-Webster University Interdisciplinary Science Building
CP-055 - ASI#35 - A/V Revisions

Dear Craig A. Miller Sr:

Paric Corporation proposes to complete the following additional work for the additive sum of Twenty-Nine Thousand Eighty-Three Dollars And Zero Cents \$29,083.00 .

This change will impact the scheduled completion date by 0 days.

- PCI-E-0060 (ASI#35 - AV Revisions), Total \$ 29,083.00

The owner contingency will be utilized for this change proposal.

Proposed Change Proposal Total: \$29,083.00

If this change proposal meets with your approval, please sign and return this proposal for our records by December 26, 2016 at the latest. If accepted this scope will be incorporated into a change order.

Sincerely,

Paric Corporation

Jason Szachnieski
Project Manager

Accepted:

Declined:

Date: _____

Craig A. Miller Sr
Webster University

Date: _____

Craig A. Miller Sr
Webster University

Paric Corporation

PROJECT MANAGEMENT - CHANGE ITEM DETAIL REPORT

15051 - 15051-Webster University Interdisciplinary Science Building

Page: 1 of 1

Date: 19-DEC-16

Time: 12:10 PM

Status: EXT EXT

CI Type	CI Number	Description	Estimated Amount	Quoted Amount	Final Amount	Due to Owner	Notes	Date Sent	Date Received	Date Closed	Budgeted Amount	Billing Amount	Owner CO
EXT	PCI-E-0060	ASI#35 - AV Revisions			29,083.00	19-DEC-16					29,083.00	29,083.00	
Vendor Name			Description										
	Guarantee Electrical Construction Co	15051	16000.001	S	Electrical Sub		26,522.00	ASI#35 - AV Revisions		Provide ASI#35 A/V Revisions per GECO Proposal dated 12/15/16 Add \$26,522			
	Carroll Seating Company, Inc.	15051	12350.002	S	Manufactured Casework - Labs		1,200.00	ASI#35 - AV Revisions		Provide casework modifications per ASI#35 - finished end panel and venting accomodations			
	PARIC	15051	23150.005	M	Contractor Default Insurance (1.25%)		347.00	ASI#35 - AV Revisions		Contractor Default Insurance			
	PARIC	15051	23300.001	F	Fee (2.5%)		709.00	ASI#35 - AV Revisions		Contractor Fee			
	PARIC	15051	23100.001	M	Risk Management (1.1%)		305.00	ASI#35 - AV Revisions		Risk Management			
Total For EXT			0.00	0.00	29,083.00						29,083.00	29,083.00	
Grand Total:			0.00	0.00	29,083.00						29,083.00	29,083.00	

END OF REPORT

Report Parameters

Job:	15051	Project Code:	
From Change Order:		Run Date:	19-DEC-16
To Change Order:		Run Time:	12:10 PM
Status Code:		Operator:	JAS39SZA
Report Type:	DETAIL	Posting Status:	Unposted CI
Print Notes:	Y	Report Code:	PM5000
Group By:	STATUS		

CP-55
E-0060



ELECTRICAL CONSTRUCTION

3415 Bent Avenue St. Louis, MO 63116 ph (314) 772-5400 fx (314) 772-2526 web geco.com

PROPOSED CHANGE ORDER

Client Address:

PARIC CORPORATION
Contact: Jason Szachnieski
77 W PORT PLAZA # 250
ST. LOUIS, MO 63146

CCN #

Date:

Project Name:

Project Number:

Page Number:

ASI - 035 AV ROUGH IN CHANGES

12/15/2016

WEBSTER GROVES ISB BUILDING

WEBSTER GROVES ISB BUILDING

1

Work Description

WEBSTER ISB ASI - 035

Description of work

- * Remove AV rack receptacles per ASI.
- * Add and extend circuitry for added receptacles per ASI.
- * Provide additional rough in & cabling for revised AV infrastructure.

Base bid shall increase by: \$ 26,522.00

We reserve the right to correct this quote for errors and omissions.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 30 days from the date of receipt.

We request a time extension of 20 days.

We will supply and install all materials, labor, and equipment.

Itemized Breakdown

Description	Qty	Total Mat.	Total Hrs.
3/4" EMT CONDUIT	260	126.72	20.27
1" EMT CONDUIT	40	33.78	4.42
1 1/2" EMT CONDUIT	51	85.67	4.52
1" EMT DC SS CONN	-10	-5.90	-1.13
3/4" EMT STL SS CONN	2	0.38	0.44
1" EMT STL SS CONN	16	5.28	2.40
1 1/2" EMT STL SS CONN	5	5.11	1.25
3/4" EMT STL SS CPLG	29	6.86	2.12
1 1/2" EMT STL SS CPLG	1	1.19	0.12
1 1/2" EMT INSUL STL SS CONN	0	0.00	0.00
1 1/2" EMT 90 DEG ELBOW	0	0.00	0.00
3/4" EMT 1-H STEEL STRAP	-4	-0.63	-0.15
1" EMT 1-H STEEL STRAP	8	2.23	0.65
1 1/2" EMT 1-H STEEL STRAP	10	15.93	0.53
1-1/2" EMT BUSHING HAMMER ON	14	12.60	0.42

ORIGINAL

PROPOSED CHANGE ORDER

Client Address:

PARIC CORPORATION
77 W PORT PLAZA # 250
ST. LOUIS, MO 63146

CCN #

Date:

Project Name:

Project Number:

Page Number:

ASI - 035 AV ROUGH IN CHANGES

12/15/2016

WEBSTER GROVES ISB BUILDING

WEBSTER GROVES ISB BUILDING

2

Description	Qty	Total Mat.	Total Hrs.
1 1/2" STEEL FLEX	100	313.78	18.70
1 1/2" STL FLEX CONN	9	54.47	2.79
1 1/2" STL 90 DEG FLEX CONN	9	278.15	3.42
3/4" PLASTIC BUSHING	-2	-0.32	-0.21
1" PLASTIC BUSHING	4	1.13	1.11
#12 THHN BLACK	50	5.22	0.87
#10 THHN BLACK	1,321	210.90	14.39
#12 WIRE POWER TERM	9	0.09	1.80
#12/2C CU MC CABLE AL ARMOR	65	32.45	2.11
3/8" MC CABLE DC SS CONN	-10	-5.03	-1.20
B2-1 RED WIRE CONN	27	5.88	2.16
1/4 PLATED T-ROD	67	25.02	11.21
1/4-20 HEX NUT - PLTD STL	24	0.36	0.94
1/4 FLAT WASHER - PLTD STL	4	0.06	0.04
#10x 3/4 P/H SELF-TAP SCREW	20	2.19	1.24
#10x 1 P/H SELF-TAP SCREW	18	2.08	0.71
#8x 3/4 WAFER HEAD SELF-TAP STUD SCREW - 12G	16	0.77	0.62
#8x 1/2 WAFER HEAD SELF-TAP STUD SCREW - 20G	30	1.10	1.88
#10x 1 WAFER HEAD SELF-TAP STUD SCREW - 20G	46	1.83	2.88
6M58 CABLE SUPPORT (MC minnie+7/16 flange clip p.53)	13	26.20	0.65
812M41 1/2-3/4" CONDUIT/ROD CLIP	20	9.51	2.04
812M24 1/2-3/4" CONDUIT 1/4" FLNG	12	19.70	0.90
BC200CD3B 1 1/2" EMT/1 1/4" GRC	1	2.61	0.08
H23 SQ BOX MTG BRKT p.126	-21	-20.39	-1.35
TSGB16 ADJ BOX MTG BRKT	7	12.56	0.22
TSGB24 ADJ BOX MTG BRKT	4	9.57	0.12
4TI24 1/4" ROD 1/4" FLNG HNGR	22	29.10	1.67
4" SQ BOX 1 1/2"D COMB KO	2	2.37	1.75
4" SQ BOX 2 1/8"D COMB KO	-11	-22.88	-3.85
4" SQ 1G PLSTR RING 5/8" RISE	1	0.83	0.20
4" SQ 2G PLSTR RING 5/8" RISE	-10	-10.63	-1.40
4 11/16" SQ BOX 2 1/8"D COMB KO	11	24.99	3.85
4 11/16" SQ BOX 2 1/8"D 1 1/4" KO	1	5.90	0.35
4 11/16" SQ BLANK COVER	11	39.33	0.99
4 11/16" SQ 2G PLSTR RING 1/2" RISE	1	2.98	0.20
4 11/16" SQ 2G PLSTR RING 5/8" RISE	1	4.47	0.20
GROUND SCREW W/ INSUL #12 LEAD	2	3.34	0.16
1 1/2" FIELD CUT KNOCKOUT	0	0.00	0.00
1G DUPLEX REC PLATE - PLASTIC IVY	1	0.26	0.13
2G DUPLEX REC PLATE - PLASTIC IVY	-12	-8.72	-1.80
20A 125V DUPLEX REC - IVY (SG)	-23	-70.30	-8.63
INSTALL TST 902 BOX FBO	1	0.01	0.50
4 GANG J - BOX	2	112.50	1.00
MODIFY AV CABINET	9	50.67	4.50
Totals	2,274	1,443.30	103.80

Summary

General Materials

1,443.30

Material Total

LU 1 - GF - ST - ELEC (6/1-3/1/16)* @ 66.60/hr

1,443.30

449.45

ORIGINAL

PROPOSED CHANGE ORDER

Client Address:

PARIC CORPORATION
77 W PORT PLAZA # 250
ST. LOUIS, MO 63146

CCN #

Date:

Project Name:

Project Number:

Page Number:

ASI - 035 AV ROUGH IN CHANGES

12/15/2016

WEBSTER GROVES ISB BUILDING

WEBSTER GROVES ISB BUILDING

3

Summary (Cont'd)

LU 1 - F - ST - ELEC (6/1-3/1/16)* @ 81.10/hr	420.91
LU 1 - JW - ST - ELEC (6/1-3/1/16)* @ 75.60/hr	7,454.92
AS-BUILT DRAWINGS	150.00
EXPENDABLES	28.87
SMALL TOOLS	249.76
Subtotal	10,197.21
Markup	1,019.72
Subtotal	11,216.93
SYSTEMS	15,305.85
Subtotal	26,522.78
Adjustment #1	-0.78
Final Amount	\$26,522.00

CONTRACTOR CERTIFICATION

Name: _____

Date: _____

Signature: _____

I hereby certify that this quotation is complete and accurate based on the information provided.

CLIENT ACCEPTANCE

CCN #: ASI - 035 AV ROUGH IN CHANGES

Final Amount: \$26,522.00

Name: _____

Date: _____

Signature: _____

Change Order #: _____

I hereby accept this quotation and authorize the contractor to complete the above described work.

ORIGINAL



ELECTRICAL CONSTRUCTION

3415 Bent Avenue St. Louis, MO 63116 ph (314) 772-5400 fx (314) 772-2526 web geco.com

PROPOSED CHANGE ORDER

Client Address:

CCN#

PCO#003 ASI #035

Date:

12/15/2016

Project Name:

Webster University ISB Low Voltage

Project Number:

71841

Page Number:

1

PCO#003 ASI #035

Description of work

Drawing T0101.A dated 11/10/16

Furnish and install:

(12) Cat6A data cables

Deleted:

(1) Dual Cat6A data locations.

(1) Single A/V Cat6A in ceiling data location.

(6) Single A/V Cat6A in ceiling data locations.

Drawing T0101.B

(1) Dual Cat6A data location.

(2) Single Cat6A data location to existing locations.

Drawing T0102.A

(5) Dual Cat6A data locations.

(3) Single Cat6A data location to existing locations.

Deleted:

(1) Quad Cat6A data location.

Drawing T0102.B

(2) Dual Cat6A cables to existing locations

(2) Dual Cat6A locations.

(2) Quad Cat6A locations.

Drawing T0103.A

ORIGINAL

PROPOSED CHANGE ORDER

Client Address:

CCN#

PCO#003 ASI #035

Date:

12/15/2016

Project Name:

Webster University ISB Low Voltage

Project Number:

71841

Page Number:

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(4) Single Cat6A data cables to existing locations.

Deleted:

(2) Quad Cat6A data locations.

Termiante and test all locations...

We reserve the right to correct this quote for errors and omissions.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 30 days from the date of receipt.

We request a time extension of 20 days.

We will supply and install all materials, labor, and equipment.

Description	Qty	Total Mat.	Total Hrs.
CMP - CAT. 6A - WHITE	4,250	2,819.88	85.00
4 PORT FACEPLATE	4	26.12	0.20
BLANK INSERT	-5	-1.25	-0.25
DATA INSERT CAT6A GREY WORKSTATION	30	324.30	7.50
DATA INSERT CAT6A GREY CLOSET	30	324.30	7.50
CABLE TEST: 4PR(DATA)	30	0.00	18.90
7' PATCH CORDS	36	492.48	1.80
9' PATCH CORDS	36	550.44	1.80
Totals	4,411	4,536.27	122.45

General Materials

4,536.27

Material Total

4,536.27

LU 1 - F - ST - COMM

4,338.15

LU 1 - JW - ST - COMM

4,035.06

EXPENDABLES 2% OF MATERIAL

90.73

SMALL TOOLS 3% OF LABOR

251.20

Subtotal

13,251.41

Overhead

1,325.14

Subtotal

14,576.55

Adjustment #1

0.45

Final Amount

\$14,577.00

ORIGINAL

PROPOSED CHANGE ORDER

Client Address:

CCN#

PCO#003 ASI #035

Date:

12/15/2016

Project Name:

Webster University ISB Low Voltage

Project Number:

71841

Page Number:

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CONTRACTOR CERTIFICATION

Name: _____

Date: _____

Signature: _____

I hereby certify that this quotation is complete and accurate based on the information provided.

CLIENT ACCEPTANCE

CCN #: PCO#003 ASI #035

Final Amount: \$14,577.00

Name: _____

Date: _____

Signature: _____

Change Order #: _____

I hereby accept this quotation and authorize the contractor to complete the above described work.

ORIGINAL

Architect's Supplemental Instructions

Architect's Project No:
04561.01

Architect's ASI No: 035

Project:
Webster University
Interdisciplinary Science
Building

Date Issued: 11/10/2016

Contract Date:

Reason Code: 06 Owner's Scope

Discipline Code: 03 Electrical

St. Louis
Baltimore
Boston
Buffalo
Calgary
Chicago
Houston
Los Angeles
Mumbai
New York
Phoenix
San Francisco
Shanghai
Toronto
Vancouver
Victoria
Washington DC

Owner:
Webster University

Architect:
Cannon Design
1100 Clark Avenue
St. Louis, MO 63102

Contractor:
Paric Construction

Contract For: General Construction

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect within fourteen (14) business days of the date of issuance of these instructions. If you feel a change in Contract Sum or Contract Time is warranted, please submit an itemized quotation for the changes for approval within fourteen (14) business days of the date of issuance of these instructions prior to proceeding on the Work. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change.

Attachments:

Drawings:

**E0101.A, E0101.B, E0102.A, E0102.B, E0103.A, E0103.B, & E0104.A.
T0001, T0101.A, T0101.B, T0102.A, T0102.B, T0103.A, T0104.A.
A0101.B, A0201, A0601, A0611, A0901, A0912.**

1100 Clark Avenue
St. Louis, Missouri
63102
T: 314.241.6250
F: 314.241.2570
www.cannondesign.com

Reason Codes:
#1. Jurisdictional Agency
#2. Constructor Driven
#3. Document Inconsistency
#4. Fast Track Driven
#5. A/E Scope
#6. Owners Scope
#7. Unforeseeable Conditions
#8. Other

Discipline Codes
#1. Demo-demolition
#2. Div1-Division 1 items on the spec book
(this item is not used)
#3. Electrical
#4. Elevator
#5. Equipment (Changes in equipment,
Owner Purchased)
#6. Fire Protection

Discipline Codes
#7. General Construction (Architectural)
#8. General Conditions (Div. 1)
#9. HVAC
#10. Other
#11. Plumbing
#12. Site Work/Landscaping
#13. Structural

Architect's Supplemental Instructions

Page 2

Description:

Please submit an itemized proposal for changes in contract Sum and Contract Time for proposed modifications to the Contract Documents described herein:

SHEET E0101.A LEVEL 01 AREA A FLOOR PLAN – ELECTRICAL

- Add quadruplex outlet and associated circuit in Cylinder Room 187 for AV rack.

SHEET E0101.B LEVEL 01 AREA B FLOOR PLAN – ELECTRICAL

- Add duplex receptacle in Lecture Hall 160 and connect to adjacent circuit.
- Move four quadruplex receptacles and associated circuits from Control 160B to Lecture Hall storage room.
- Add two quadruplex receptacles and associated circuits in Lecture Hall storage room for AV rack.

SHEET E0102.A LEVEL 02 AREA A FLOOR PLAN – ELECTRICAL

- Delete AV rack quadruplex receptacle and associated circuit in Classroom 276.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 283.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 284.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 291.

SHEET E0102.B LEVEL 02 AREA A FLOOR PLAN – ELECTRICAL

- Delete AV rack quadruplex receptacle and associated circuit in Conf 203.

SHEET E0103.A LEVEL 03 AREA A FLOOR PLAN – ELECTRICAL

- Delete AV rack quadruplex receptacle and associated circuit in Lab 378.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 383.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 388.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 391.
- Add Keyed Note E08 to receptacle in Corridor C370.

SHEET E0103.B LEVEL 03 AREA A FLOOR PLAN – ELECTRICAL

- Delete AV rack quadruplex receptacle and associated circuit in Lab 353.
- Add floor box in Conf 352 and connect to circuit serving adjacent floor box.

SHEET E0104.A LEVEL 04 AREA A FLOOR PLAN – ELECTRICAL

- Delete AV rack quadruplex receptacle and associated circuit in Lab 472.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 483.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 480.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 488.
- Delete AV rack quadruplex receptacle and associated circuit in Lab 491.
- Add Keyed Note E08 to receptacle in Corridor C470.

Architect's Supplemental Instructions

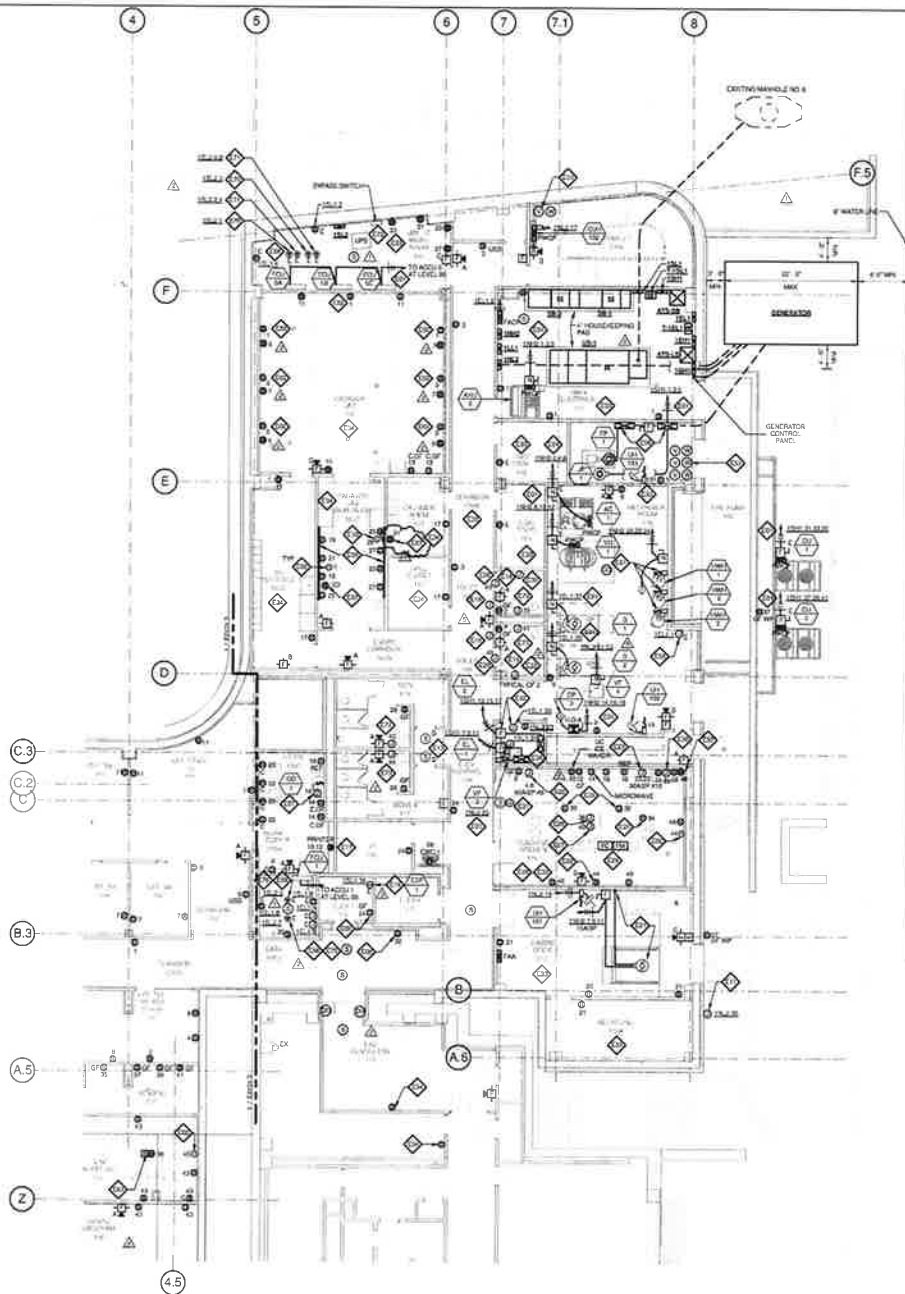
Page 3

1. T0001 – SYMBOLS AND ABBREVIATIONS
 - A. Revised symbol description.
2. T0101.A – LEVEL 01 FLOOR PLAN – AREA A
 - A. Revised AV infrastructure in several locations.
3. T0101.B – LEVEL 01 FLOOR PLAN – AREA B
 - A. Revised AV infrastructure in several locations.
4. T0102.A – LEVEL 02 FLOOR PLAN – AREA A
 - A. Revised AV infrastructure in several locations.
5. T0102.B – LEVEL 02 FLOOR PLAN – AREA B
 - A. Revised Keyed Note.
6. T0103.A – LEVEL 03 FLOOR PLAN – AREA A
 - A. Revised AV infrastructure in several locations.
7. T0104.A – LEVEL 04 FLOOR PLAN – AREA A
 - A. Revised AV infrastructure in several locations.

A0101.B, A0201, A0601, A0611, A0901, A0912:
Casework revisions based on AV package.

Issued by Architect: Mark de la Fuente, William Tao & Associates, Inc.;
Tom Becker, Faith Group; Kelvin Patel, CannonDesign.

Accepted by Contractor:



1 LEVEL 01 - AREA A - FLOOR PLAN - POWER AND AUXILIARY
1/8" = 1' 0"

GENERAL NOTES:

- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION AND ORIENTATION OF DEVICES. WHERE LOCATIONS ARE NOT INDICATED ON ARCHITECTURAL DRAWINGS, COORDINATE LOCATION AND ORIENTATION OF DEVICES IN FIELD WITH ARCHITECT PRIOR TO ROUGH IN.
- ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.
- ALL DEVICES TO REMAIN ARE INDICATED WITH A THIN SOLID LINE WEIGHT AND SUBSCRIPT 'EX'.
- CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS AFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACCQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.
- PROVIDE FACE PLATES ON ALL J-BOXES ABANDONED IN FINISHED FLOOR WALL OR CEILINGS. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.
- WHERE EXPOSED CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO ROUGH IN. EXPOSED CONDUIT SHALL BE ROUTED TO FIT STRUCTURE.
- ALL SINGLE PHASE BRANCH CIRCUITS SHOWN SHALL HAVE DEDICATED NEUTRALS TO MEET NEC SECTION 210.4 MULTI-WIRE BRANCH CIRCUIT REQUIREMENTS.
- ALL 120V BRANCH CIRCUITS ON THIS SHEET SHALL BE FED FROM PANEL 11L1 UNLESS NOTED OTHERWISE.

KEYED NOTES

- REFER TO EQUIPMENT DATA SCHEDULE FOR BRANCH CIRCUIT INFORMATION.
- PROVIDE NEW RECEPTACLE FOR MONITOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND TECHNOLOGY PLANS.
- PROVIDE NEW TWO SECTION ALUMINUM RACKWAY WIREMOLD ALONG WITH RECEPTACLES MOUNTED 24" ON CENTER UNLESS NOTED OR SHOWN OTHERWISE. PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND LENGTH. SEE DETAILS ON SHEET 6402.
- OUTLET SHALL BE MOUNTED TO THE BACK SIDE OF THE TELECOMMUNICATION RACK AND FED FROM ABOVE. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH TELECOMMUNICATIONS CONTRACTOR PRIOR TO INSTALLATION.
- OUTLET FOR RACK MOUNTED AV EQUIPMENT. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND AV DRAWINGS.
- OUTLET FOR DIGITAL SIGNAGE. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND AV DRAWINGS.
- MOUNT RECEPTACLE IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR CONTRACTOR.
- UNDERCOUNTER REFRIGERATOR. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL PLANS AND ELEVATIONS.
- PROVIDE POWER AND FINAL CONNECTION TO WALL MOUNTED BLUE LIGHT EMERGENCY INTERCOM STATION.
- PROVIDE A DUCT MOUNTED (SMOKE DETECTORS) AT RETURN AIR GRILLE OF AHU 1 AND AHU 2. BOTH AIR HANDLING UNITS SHALL SHUT DOWN UPON ACTIVATION OF THE DUCT MOUNTED (SMOKE DETECTORS). PROVIDE REMOTE INDICATOR LIGHT(S) IN CEILING BELOW.
- PROVIDE NEMA LS 20R, 30A, 200V RECEPTACLE FOR PRINTER. CONTRACTOR SHALL VERIFY PRINTER PLUG TYPE WITH OWNERS REPRESENTATIVE PRIOR TO ROUGH IN.
- PROVIDE POWER AND FINAL CONNECTION TO ELEVATOR SLUMP PUMP. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH IN.
- PROVIDE POWER AND FINAL CONNECTION TO ELECTRIC DOOR OPENER. COORDINATE POWER REQUIREMENTS WITH DOOR INSTALLER PRIOR TO ROUGH IN.
- PROVIDE POWER AND FINAL CONNECTION TO ELECTRIC DOOR OPENER CONTROLS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH IN.
- PROVIDE POWER AND FINAL CONNECTION TO DOCK LEVELER AND CONTROLS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. COORDINATE CONTROL AND DISCONNECT LOCATION WITH DOCK LEVELER INSTALLER PRIOR TO INSTALLATION.
- PROVIDE POWER AND FINAL CONNECTION TO DISH WASHER. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE POWER AND FINAL CONNECTION TO DOUBLE OVEN. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- RECEPTACLE MOUNTED IN COUNTER APRON. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR EXACT LOCATION.
- RECEPTACLE MOUNTED INSIDE CABINET FOR COMPUTER. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR ADDITIONAL INFORMATION.
- PROVIDE POWER AND FINAL CONNECTION TO DROP IN COOK TOP. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE POWER AND FINAL CONNECTION TO ISLAND HOOD. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- REFER TO KITCHEN EQUIPMENT DRAWINGS FOR MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES IN THIS ROOM AND FOR POWER REQUIREMENTS PRIOR TO ROUGH IN.
- PROVIDE FIRE ALARM MONITOR MODULE AND CONTROL MODULE CONNECTED TO FIRE ALARM SYSTEM AT HOOD. PROVIDE WIRING BETWEEN HOOD AND FIRE SUPPRESSION SYSTEM. REFER TO KITCHEN HOOD EXTINGUISHING SYSTEM WIRING DIAGRAM ON SHEET 6402.
- PROVIDE POWER FOR HOOD FIRE PROTECTION SYSTEM. INTERCONNECT EXHAUST FANS AND MAKE UP AIR FANS TO MICRO SWITCH IN FIRE PROTECTION CABINET. REFER TO KITCHEN HOOD EXTINGUISHING SYSTEM WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
- PROVIDE J BOX AND CONDUIT IN WALL FOR REMOTE MANUAL PULL STATION. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE POWER MODULE SWITCH FOR ELEVATOR AND A JUNCTION BOX WITH A 120V BRANCH CIRCUIT FOR CONNECTION OF ELEVATOR CONTROLS. PROVIDE ALL FINAL CONNECTIONS TO ELEVATOR CONTROLS AND ELEVATOR CAB PER MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 11L2.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 11L1.
- COORDINATE QUANTITY AND LOCATION OF TAMPER AND FLOW SWITCHES WITH FIRE PROTECTION CONTRACTOR.
- EXTEND CIRCUIT FROM EXISTING RECEPTACLES SERVING THIS AREA.
- PROVIDE POWER TO BUILDING AUTOMATION SYSTEM PANEL. COORDINATE LOCATION WITH AUTOMATION CONTRACTOR.
- SEE ELEVATOR DETAIL ON SHEET 6402 FOR ADDITIONAL POWER & FIRE ALARM REQUIREMENTS.
- FIRE PUMP CONTROLLER AND JOCKEY PUMP CONTROLLER SEE ONE LINE DIAGRAM FOR FEEDER INFORMATION.
- PROVIDE A 48V FIRE CLASSIFIED 4 GANG MULTI SERVICE STEEL RECESSED FLOOR BOX EQUAL TO WIREMOLD CAT NO. HP-BAL-PC WITH A BRASS FLANGED COVER CAT NO. F100-05-NA. THE FLOOR BOX SHALL HAVE ALL NECESSARY PRE-DRILLED SPOKES FOR 250 AMP RECEPTACLE (1) GANG DATA VOICE (SEE TECHNOLOGY DRAWINGS FOR DEVICE TYPE) (1) GANG. AV (SEE AV DRAWINGS FOR DEVICE TYPE). THE BOX SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR.
- PROVIDE NEMA LS 20R, 30A, 120V TWIST LOCK RECEPTACLE FOR RACK MOUNTED PDU. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY CONTRACTOR.
- PROVIDE NEMA LS 20R, 30A, 200V TWIST LOCK RECEPTACLE FOR RACK MOUNTED PDU. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY CONTRACTOR.
- UPS AND EXTERNAL BYPASS SWITCH FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. REFER TO TECHNOLOGY DRAWINGS AND ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- PROVIDE POWER AND FINAL CONNECTIONS FOR ELECTRIC WAG DOOR.

THIS SHEET AND DRAWINGS APPLY ONLY TO THE PROJECT TO WHICH THEY ARE APPLIED AND REPEATEDLY FOR ANY REVISIONS FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, ORDERS, OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO THIS PROJECT ARE VOID OR NULL ON THE ARCHITECTURAL OR ENGINEERING PROJECT.

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Rev.	Description	Date
1	ADD 600	10 NOV 2016
2	ADD 600	10 NOV 2016
3	ADD 600	10 NOV 2016
4	ADD 600	10 NOV 2016
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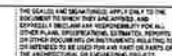
LEVEL 01 AREA A FLOOR PLAN - ELECTRICAL & AUXILIARY

Project No: E0101.01 Drawn by:

E0101.A

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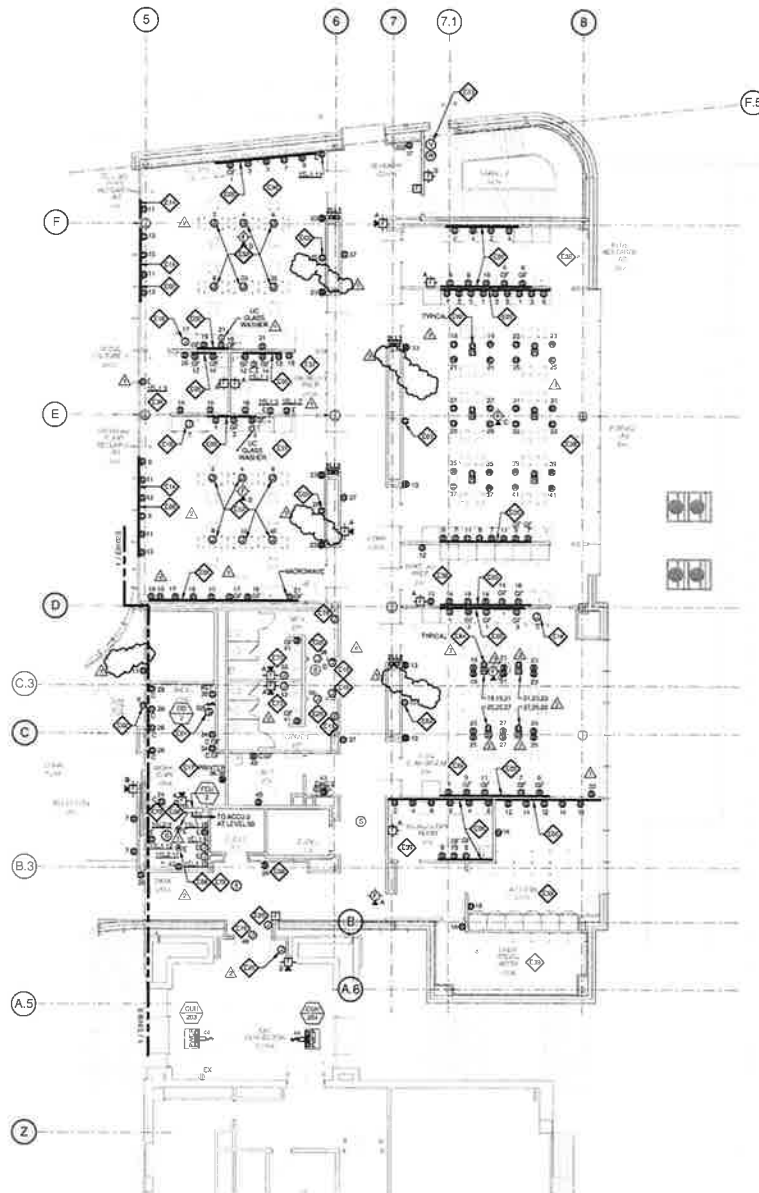
GENERAL NOTES:

- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION AND ORIENTATION OF DEVICES. WHERE LOCATIONS ARE NOT INDICATED ON ARCHITECTURAL DRAWINGS, COORDINATE LOCATION AND ORIENTATION OF DEVICES IN FIELD WITH ARCHITECT PRIOR TO ROUGH IN.
- ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.
- ALL DEVICES TO REMAIN ARE INDICATED WITH A THIN SOLID LINE, WEIGHT AND SUBSCRIPT "X".
- CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS EFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.
- PROVIDE FACE PLATES ON ALL J BOXES ABANDONED IN FINISHED FLOOR, WALL OR CEILING. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.
- WHERE EXPOSED CONDUITS ARE NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO ROUGH IN. EXPOSED CONDUIT SHALL BE ROUTED TO THE STRUCTURE.
- ALL SINGLE PHASE BRANCH CIRCUITS SHOWN SHALL HAVE DEDICATED NEUTRALS TO MEET NEC SECTION 410.4 MULTI-WIRE BRANCH CIRCUIT REQUIREMENTS.
- REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT SCHEDULE, IN-OF-DATE, VOICE AND DATA.

- ALL 120V BRANCH CIRCUITS ON THIS SHEET SHALL BE FED FROM PANEL 2LL1 UNLESS NOTED OTHERWISE.

KEYED NOTES

- REFER TO EQUIPMENT DATA SCHEDULE FOR BRANCH CIRCUIT INFORMATION.
- PROVIDE NEW RECEPTACLE FOR MONITOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND TECHNOLOGY PLANS.
- PROVIDE NEW RECEPTACLE FOR WALL MOUNTED PROJECTOR. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND ANY DRAWINGS.
- PROVIDE NEW TWO SECTION ALUMINUM RACEWAY W/IRMSD ALICED WITH RECEPTACLES MOUNTED BY ON CENTER UNLESS NOTED OR SHOWN OTHERWISE. PROVIDE ALL ACCESSORIES FOR A COMPLETE INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND LENGTH. SEE DETAIL ON SHEET E402.
- OUTLET SHALL BE MOUNTED TO THE BACK SIDE OF THE TELECOMMUNICATION RACK AND FEED FROM ABOVE. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH TELECOMMUNICATIONS CONTRACTOR PRIOR TO INSTALLATION.
- OUTLET FOR DIGITAL SIGNAGE. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND ANY DRAWINGS.
- SURFACE RACEWAY AT EXTERIOR WINDOWS SHALL BE FED FROM BELOW OR FROM ADJACENT WALL OR COLUMN.
- PROVIDE POWER AND FINAL CONNECTIONS TO FLUO HODD.
- PROVIDE NEMA 6 30P, 30A 208V RECEPTACLE FOR PRINTER. CONTRACTOR SHALL VERIFY PRINTER PLUS TYPE WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN.
- PROVIDE POWER AND FINAL CONNECTION TO ELECTRIC DOOR OPENER. COORDINATE POWER REQUIREMENTS WITH DOOR INSTALLER PRIOR TO ROUGH IN.
- PROVIDE POWER AND FINAL CONNECTION TO ELECTRIC DOOR OPENER CONTROLS. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH IN.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 2LL1.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 2LL2.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 2LL3.
- ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 2LL4.
- PROVIDE POWER AND FINAL CONNECTIONS TO OVERHEAD SERVICE CARRIER. REFER TO LIGHTING PLANS FOR LIGHTING CIRCUITS. COORDINATE WITH ARCHITECTURAL PLANS AND ELEVATIONS.
- COORDINATE QUANTITY AND LOCATION OF TAMPER AND FLOW SWITCHES WITH FIRE PROTECTION CONTRACTOR.
- PROVIDE A 2HR FIRE CLASSIFIED 2 GANG MULTI-SERVICE STEEL RECESSED FLOOR BOX EQUAL TO WIRMSD CAT NO. RFB25 FC WITH A BRASS FLANGED COVER CAT NO. PFB25 MA. THE FLOOR BOX SHALL HAVE ALL NECESSARY MOUNTING BRACKETS FOR (2) 20A STANDARD DUPLEX RECEPTACLES, NEMA 5 20R. THE BOX SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR.
- PROVIDE A 2HR FIRE CLASSIFIED 4 GANG MULTI-SERVICE STEEL RECESSED FLOOR BOX EQUAL TO WIRMSD CAT NO. RFB45 FC WITH A BRASS FLANGED COVER CAT NO. PFB45 MA. THE FLOOR BOX SHALL HAVE ALL NECESSARY MOUNTING BRACKETS FOR (2) 20A STANDARD DUPLEX RECEPTACLES, NEMA 5 20R. THE BOX SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR.
- PROVIDE A 2HR FIRE CLASSIFIED 4 GANG MULTI-SERVICE STEEL RECESSED FLOOR BOX EQUAL TO WIRMSD CAT NO. RFB25 FC WITH A BRASS FLANGED COVER CAT NO. PFB25 MA. THE FLOOR BOX SHALL HAVE ALL NECESSARY MOUNTING BRACKETS FOR (2) 20A STANDARD DUPLEX RECEPTACLES, NEMA 5 20R. THE BOX SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR.
- PROVIDE NEMA 5 30P, 30A 120V TWIST LOCK RECEPTACLE FOR RACK MOUNTED PDU. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY CONTRACTOR.
- PROVIDE POWER AND FINAL CONNECTIONS FOR ELECTRIC HANG DRIVER.



1 LEVEL 02 - AREA A - FLOOR PLAN - POWER AND AUXILIARY

1/4" = 1'-0"

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AS1 021 24/OCT/2015
AS1 017 14/OCT/2015
AS2000M2 18/SEP/2015
AS2000M2 18/SEP/2015

REVISION FOR CONSTRUCTION (15) 01/NOV/2015

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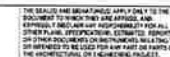


LEVEL 02 AREA A FLOOR PLAN - ELECTRICAL & AUXILIARY

Printed: 10/24/2015 Created by:

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4. DO NOT SCALE DIMENSIONS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION AND ORIENTATION OF DEVICES. WHERE LOCATIONS ARE NOT INDICATED ON ARCHITECTURAL DRAWINGS, COORDINATE LOCATION AND ORIENTATION OF DEVICES IN FIELD OF THE ROOM OR SPACE.

5. ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.

6. ALL DEVICES TO REMAIN ARE INDICATED WITH A THIN SOLID LINE AND CIRCUMFERENCE OF THE DEVICE.

7. CONTRACTOR SHALL VISIT PRIOR TO SUBMITTALS TO DETERMINE SITE CONDITIONS EFFECTING THE EXTENSION OF WORK. FAILURE TO BE ACQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICE.

8. PROVIDE FACE PLATES ON ALL DEVICES ABANDONED IN FINISHED FLOOR, WALL, OR CEILINGS. COORDINATE COLOR AND FINISH WITH CONTRACTOR. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.

9. WHERE EXPOSED CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL FOR ROUTING. REPORT TO ARCHITECT ALL ROUTES TO BE USED FOR STRUCTURE.

10. ALL SINGLE PHASE BRANCH CIRCUITS, CONTRACTOR SHALL HAVE DEDICATED NEUTRALS TO MEET NEC SECTION 210.4 (MULTI WIRE BRANCH CIRCUIT REQUIREMENTS).

11. REFER TO TECHNICAL DRAWINGS FOR CONDUIT SIZES, RATED FROM DATA PANEL AND ANY LOW VOLTAGE CIRCUITS ON THE SAME SHALL BE PROTECTED BY THE SAME. ALL UNLESS NOTED OTHERWISE.

421 REFER TO EQUIPMENT DATA SCHEDULE FOR BRANCH CIRCUIT INFORMATION

423 PROVIDE NEW RECEPTACLE FOR WALL MOUNTED PROJECTOR. VERIFY EXIST LOCATION AND MEASURE HEIGHT TO ARCHITECTURAL ELEVATIONS AND AIR DRUMINGS

425 PROVIDE NEW TWO SECTION ALUMINUM FRAMED WINDMILL GLASS WITH RECEPTACLES MOUNTED ON CEILING. SEE WINDMILL FOR SHOWN ORIENTATION. PROVIDE ALL ACCESSORIES FOR THE GLASS INSTALLATION REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT AND LENGTH. SEE CEILING FOR EXIST LIGHT FIXTURE

427 OUTLET SHALL BE MOUNTED TO THE BACK SIDE OF THE COMMUNICATION RACK AND FEED FROM ABOVE. COORDINATE EXIST MOUNTING HEIGHT AND LOCATION WITH TELECOMMUNICATIONS CONTRACTOR PRIOR TO INSTALLATION

429 OUTLET FOR DIGITAL SIGNAL: COORDINATE MOUNTING HEIGHT AND EXIST LOCATION WITH ARCHITECTURAL ELEVATIONS AND AIR DRUMINGS

431 PROVIDE 2x4 MOUNTED SMOKE DETECTOR(S) AT RETURN AIR GRILLE OF AHU 1 AND AHU 2. PROVIDE 2x4 MOUNTED SMOKE DETECTOR(S) AT RETURN AIR GRILLE OF AHU 3. PROVIDE 2x4 MOUNTED SMOKE DETECTOR(S) PROVIDE REMOTE INDICATOR LIGHT(S) IN CEILING BELOW

434 SURFACE DETECTION AT EXTERIOR WINDOWS SHALL BE FED FROM BELOW OR FROM ADJACENT WALL OR COLUMN

436 PROVIDE FIREARMED FINAL CONNECTIONS TO FLAME HOOD

437 PROVIDE 2x4x8x1/2" 200' RECEPTACLE FOR PRINTER. CONTRACTOR SHALL VERIFY PRINTER PULS 1/2" WITH OWNERS REPRESENTATIVE PRIOR TO ROUGH IN

440 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 3.B.1

441 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 3.B.2

442 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 3.B.3

443 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FED FROM PANEL 3.B.4

450 COORDINATE QUANTITY RECEPTACLE WITH AUDIBLE ALARM OR EMERGENCY CIRCUIT FOR FIRE-TEAM. COORDINATE EXIST LOCATION WITH ARCHITECTURAL PLANS AND ELEVATIONS

453 PROVIDE 2x4x8x1/2" 200' RECEPTACLE FOR TAMP ROLL AND SWITCH WITH FIRE PROTECTION CONTRACTOR

458 PROVIDE 2x4x8x1/2" CLASSIFIED 2 GANG MALL SERVICE/ SLEW, FLUSH COVERED BOX END BOX END TO WINDMILL GLASS. NO REPAIRS WITH A WINDMILL FRAMED COVER AND C/2. PROVIDE 2x4x8x1/2" 200' RECEPTACLE FOR TAMP ROLL AND SWITCH WITH FIRE PROTECTION CONTRACTOR FOR 2X STANDARD DUPLEX RECEPTACS. NEW 2x4x8x1/2" BOX SHALL BE INSTALLED PER MANUFACTURER WRITTEN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR

459 PROVIDE 2x4x8x1/2" 200' TWIST LOCK RECEPTACLE FOR TAMP ROLL. PROVIDE LOCK COORDINATE EXIST LOCATION AND MOUNTING HEIGHT WITH TELECOMMUNICATIONS CONTRACTOR

461 PROVIDE POWER AND FINAL CONNECTIONS FOR ELECTRIC HANG DEVICE

471 PROVIDE POWER TO EVAPORATOR COIL. LIGHTS CONTROLS ETC FOR A COMPLETE INSTALLATION OF WALK-IN COOLER

1 LEVEL 03 - AREA A - FLOOR PLAN - POWER AND AUXILIARY

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6	ADD 015	10 NOV 2011
2	ADD 017	14 OCT 2011
3	ADD ONE UM 11	19 APRIL 2011
1	ADD ONE UM 11	17 MAR 2011
	ISSUED FOR CONSTRUCTION (20)	09 MAR 2011

No.	Description	Size
		



**LEVEL 03 AREA A FLOOR
PLAN - ELECTRICAL &
AUXILIARY**

Project No. 04561-01 Checked By:

E0103.A

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A DO NOT SCALE DRAWINGS. REFERENCE ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION AND ORIENTATION OF DEVICES WHERE LOCATIONS ARE NOT INDICATED IN ARCHITECTURAL DRAWINGS. COORDINATE LOCATION AND ORIENTATION OF DEVICES TO BUILDING AND TO OTHER DEVICES.

B ALL DEVICES SHOWN ARE NEW UNLESS NOTED OTHERWISE.

C ALL DEVICES TO REMAIN ARE INDICATED WITH A THIN SOLID LINE WEIGHT & SUBSCRIPT 'EX'.

D CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS EFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACCQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.

E PROVIDE FACE PLATES ON ALL BOXES ABANDONED IN FINISHED FLOOR, WALL OR CEILING. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.

F WHERE EXISTING DEVICES ARE NOTED, CONTRACTOR SHALL IDENTIFY ADDITIONAL FIELD AND SUBMIT TO ARCHITECTS' APPROVAL OF ROUTING PRIOR TO CONSTRUCTION. CONTRACTOR SHALL ROUTE AND SUBMIT TO ARCHITECTS' APPROVAL OF ROUTING PRIOR TO CONSTRUCTION.

G ALL SINGLE PHASE BRANCH CIRCUITS SHOWN SHALL HAVE DEDICATED NEUTRALS TO MEET NEC SECTION 240.4 (MULTI-PHASE SPECIFIC REQUIREMENTS).

H ALL 120V BRANCH CIRCUITS FOR CONDUIT RIGID OR IN PANEL, DATA, VOICE AND AV.

I NEW 120V BRANCH CIRCUITS ON THIS SHEET SHALL BE FED FROM PANEL. ALL UNLESS NOTED OTHERWISE.

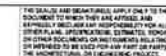
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B ALL DEVICES SHOWN ARE NEW UNLESS NOT OTHERWISE SHOWN.

C ALL DEVICES TO REMAIN ARE INDICATED WITH A THIN SOLID LINE WEIGHT AND SUBSCRIPT "EX".

D CONTRACTOR SHALL VISIT PRIOR TO BID SUBMITTALS TO DETERMINE SITE CONDITIONS EFFECTING THE EXECUTION OF WORK. FAILURE TO BE ACOQUAINTED WITH EXISTING CONDITIONS WILL NOT BE JUSTIFICATION FOR ADDITIONAL SERVICES.

E PROVIDE FACE PLATES ON ALL BONES ABANDONED IN FINISHED FLOOR, WALL OR CEILINGS. COORDINATE COLOR AND FINISH WITH ARCHITECT. CONTRACTOR TO VERIFY QUANTITY IN THE FIELD.

F WHERE DEVICES ARE CONDUIT IS NOTED, CONTRACTOR SHALL IDENTIFY ROUTING IN FIELD AND OBTAIN ARCHITECT'S APPROVAL OF ROUTING PRIOR TO CONSTRUCTION. DEVICES NOT TO BE REROUTED THRU STRUCTURE.

G ALL SINGLE PHASE BRANCH CIRCUITS SHOWN SHALL HAVE IDENTIFIED NEUTRALS TO MEET NEC SECTION 214.6(A) MULTI-PHASE CIRCUIT REQUIREMENTS.

H REFER TO TECHNOLOGY DRAWINGS FOR CONDUIT ROUTING ON DC, DATA, VIDEO AND AV.

I ALL 120V BRANCH CIRCUITS ON THIS SHEET SHALL BE FED FROM PANELS. UNLESS NOTED OTHERWISE.

0231 REPAIR TO EQUIPMENT DATA ACCESSIBLE FOR BRANCH CIRCUIT INFORMATION

0232 PROVIDE NEW RECEPTACLE FOR WALL MOUNTED PROJECTOR. VERIFY EXIST LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS AND AIR DRAWINGS

0233 PROVIDE NEW TWO SECTION ALUMINUM RACEWAY W/INSUL. 2" ALONG WITH RECEPTACLE MOUNTED 24" ON CENTER. UNLESS NOTED OR SHOWN OTHERWISE, PROVIDE ALL ACCESSORIES FOR A COVER AND PROVIDE ALL NECESSARY MOUNTING BRACKETS FOR MOUNTING HEIGHT AND LENGTH. SEE DETAILS ON SHEET E402

0236 OUTLET SHALL BE COORDINATE TO THE BACK SIDE OF THE TELECOMMUNICATION RACK. FEED FROM ABOVE. COORDINATE EXIST MOUNTING HEIGHT AND LOCATION WITH ARCHITECTURAL ELEVATIONS. PROVIDE REMOTE POWER FROM THE RACK

0238 OUTLET FOR DIGITAL SIGNAL. COORDINATE MOUNTING HEIGHT AND EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS AND AIR DRAWINGS

0241 PROVIDE 4" DIA MOUNTED SMOKE DETECTORS AT RETURN AIR GRILLE OF AHU 1 & AHU 20. ALL HANDLING UNITS SHALL STOP DOWN UPON ACTIVATION OF SMOKE DETECTOR SMOKE DETECTORS PROVIDE REMOTE INDICATOR LIGHTS IN CEILING BELOW

0242 ADJACENT RACKWAY AT EXTERIOR WINDOWS SHALL BE FEED FROM BELOW FROM DRAM UNDER FLOOR OR CLAMM

0246 PROVIDE POWER AND FAN CONNECTIONS TO FLUKE ROOM

0247 PROVIDE NEMA 3-20R 30A 208V RECEPTACLE FOR PRINTER. CONTRACTOR SHALL VERIFY PRINTER CORD PLUG TYPE WITH CONELOGS REBENT AIRLINE. PRINTER CORD SHALL

0248 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FEED FROM PANEL 4LL1

0249 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FEED FROM PANEL 4LL2

0250 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FEED FROM PANEL 4LL3

0251 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FEED FROM PANEL 4LL4

0252 ALL 120V BRANCH CIRCUITS IN THIS ROOM SHALL BE FEED FROM PANEL 4LL5

0253 PROVIDE POWER AND FAN CONNECTIONS TO OVERHEAD SERVICE CARRIER. REFER TO LIGHTING PLAN FOR LIGHTING CIRCUITS. COORDINATE WITH ARCHITECTURAL PLANS AND ELEVATIONS

0254 COORDINATE QUANTITY AND LOCATION OF TAMPER AND FUSE SWITCHES WITH FIRE PROTECTION CONTRACTOR

0255 PROVIDE 3/4" HX 1/4" FLASER 3" GANG MOUNT STEEL, RECESSED 1" DOOR BUSH RECESSED 1/4" HX 1/4" FLASER 3" GANG MOUNT WITH 3" STRAPS FLASER COVER 3" HX 1/4" FLASER 3" GANG MOUNT SHALL HAVE ALL NECESSARY MOUNTING BRACKETS FOR (4) 1/4" FLASER 3" GANG MOUNT. PROVIDE REMOTE INDICATOR LIGHTS IN CEILING BELOW. MANUFACTURED WITHIN INSTRUCTIONS SO THAT THE COVER IS FLUSH WITH THE FLOOR

0256 PROVIDE NEMA 3-20R 30A 120V TWIST LOCK RECEPTACLE FOR RACK MOUNTED PDU. COORDINATE EXIST LOCATION AND MOUNTING HEIGHT WITH TID-NOLOGY CONTRACTOR

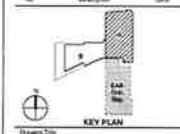
0257 PROVIDE POWER AND FAN CONNECTIONS FOR ELECTRIC HANG DOWN

0258 FEED PDU FROM FURNITURE BELOW AND MAKE ALL FAN LINE CONNECTIONS TO

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1984-1985

1	AG 03E	18 NOV 2011
2	AG 037	14 OCT 2011
3	ADDENDUM 1	18 APR 2011
4	ADDENDUM 2	07 MAR 2011
ISSUED FOR CONSTRUCTION ONLY		21 MAR 2011
Rev	Description	Date



LEVEL 04 AREA A FLOOR
PLAN - ELECTRICAL &
AUXILIARY

Project No. 04581-01 Checked by:

E0104.A

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[illegible]

CONDUIT RUN CONCEALED IN CEILING OR WALL
CONSTRUCTION

CONDUIT RUN IN FLOOR CONSTRUCTION OR UNDERGROUND

CONDUIT RUN EXPOSED

CONDUIT TURNING UP

CONDUIT TURNING DOWN

CONDUIT ELBOW

CONDUIT TRAY

SOFT 3/4"

SOFT 1/4" = BOTTOM OF BASKET TRAY ELEVATION ABOVE FINISH FLOOR

[illegible]

CR	MAGNETIC STRIPE TYPE CARD READER, MOUNT AT 40 A.F.F.
CR	MAGNETIC STRIPE TYPE CARD READER, MOUNT AT 40 A.F.F.
AC	ACCESS CONTROL PANEL
DB	DOOR INTERFACE BOX
DB	DOOR CONTACT SWITCH
PS	POWER SUPPLY
ES	ELECTRIC STRIKE
EP	ELECTRIFIED PANIC BAR

TMCA	TELECOM WORKS GROUND BUS BAR
TGB	TELECOM GROUND BUS BAR

DETAIL NUMBER

PLAN DETAIL REFERENCE TITLE

DRAWING NUMBER

KEYED NOTE DESIGNATION

SECTION NUMBER

SECTION REFERENCE TITLE

DRAWING NUMBER

SECURED DOOR DETAIL REFERENCE

1 - DOOR DETAIL

Y - DOOR DETAIL SHEET NUMBER

DOOR NUMBER

SECURITY AND DETAIL REFERENCE

A- RECESSED ACCESSIBLE CEILING
B- RECESSED INACCESSIBLE CEILING
C- OUTDOOR WALL MOUNTED CCE
DETAIL ON SHEET T602

EXM 1/1 **FIXED CAMERA**
EXM 1/1 **CAM 1/1 - CAMERA TAG**

EXM 1/1 **FRONT-TO-ZOOM CAMERA**
EXM 1/1 **CAM 1/1 - CAMERA TAG**

 FIXED CAMERA

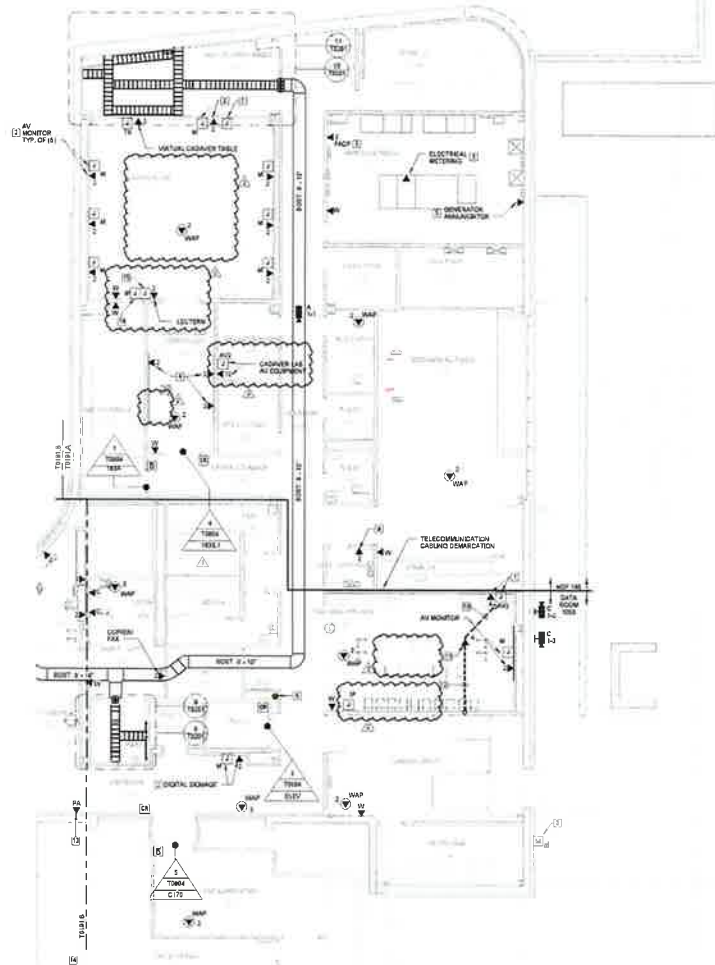
 PAN/TILT/ZOOM CAMERA

[illegible]

☐ PUBLIC ADDRESS SYSTEM SPEAKER
☒ FLUSH VOLUME CONTROL - 48" A.T.F.

(E) WALL MOUNT (WISCONSIN INTERCOM) STATION WITH BLUE LIGHT STRONG

[illegible]



GENERAL NOTES:

THIS SHEET ONLY

- DATA OUTLETS IN OFFICE SHALL BE LOCATED ADJACENT TO AND AT THE SAME MOUNTING HEIGHT AS THE POWER RECEPTACLES UNLESS OTHERWISE NOTED. COORDINATE LOCATION WITH THE ELECTRICAL CONTRACTOR.
- SEE TELECOMMUNICATIONS CABLEING SCHEDULE FOR CABLE ROUTING FOR ROUTING OF CABLES TO SPECIFIC DATA POINTS.

KEYED NOTES:

THIS SHEET ONLY

- CABINET MOUNTED EQUIPMENT COPIES
- CONDUIT EXIST LOC PRIOR TO DATA OUTLET AND MOUNTING BOX WITH APPROVED TYPICAL DRAWING PRIOR TO INSTALLATION
- WALL MOUNT BLUE LIGHT EMERGENCY INTERCOM STATION WITH WIRELESS RADIO COMMUNICATION SHALL BE PROVIDED BY OWNER AND INSTALLED BY SECURITY CONTRACTOR. UNIT SHALL BE MOUNTED 50 INTERCOM STATION IN 40' ABOVE GROUND. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
- INSTALL COMMUNICATION OUTLET IN THE COMMUNICATIONS SIDE OF THE 2-CORNER HALLWAY. SEE ELECTRICAL DRAWINGS FOR RACEWAY INFORMATION.
- CONFIRM EXIST LOCATION AND TERMINATION REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- PROVIDE 4" PIPED RATED CABLE IN TUBING THROUGH FLOOR FOR TELECOM CABLES TO LEVEL 2. SEE SPECIFICATIONS SECTION 27.00.00 FOR TUBING REQUIREMENTS.
- PROVIDE 4" 1/2" CONDUIT 1" 1/2" O.D. WALL MOUNTED BOX WITH 2" DIA. RING FOR PIPED CABLE WITH 1" CONDUIT WITH 1/2" DIA. RING FOR PIPED CABLE WITH 1" CONDUIT. COORDINATE WITH ARCHITECTURAL AND LOCATION WITH PIPED CABLE INSTALLER.
- NOT USED
- CONDUIT EXIST LOC PRIOR TO TERMINATION REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- PROVIDE 4" CONDUIT IN SLAB FOR EQUIPMENT CABLES TO THE LIFTUP LOCATION. VERIFY STAIRUP LOCATION.
- DATA OUTLET FOR LAPTOP. COORDINATE EXIST LOC WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
- PROVIDE (1) 1" PIPED CONDUIT IN THE SLAB FOR DATA CABLES STAIRUP HALLWAY. VERIFY STAIRUP ACCESSIBLE CLOSET. INSTALLER.
- COORDINATE EXIST LOC AND LOCATION WITH PIPED CABLE INSTALLER.
- WALL MOUNT BLUE LIGHT EMERGENCY INTERCOM STATION WITH WIRELESS RADIO COMMUNICATION SHALL BE PROVIDED BY OWNER AND INSTALLED BY SECURITY CONTRACTOR. UNIT SHALL BE MOUNTED 50 INTERCOM STATION IN 40' ABOVE GROUND. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
- WALL MOUNT BLUE LIGHT EMERGENCY INTERCOM STATION WITH WIRELESS RADIO COMMUNICATION SHALL BE PROVIDED BY OWNER AND INSTALLED BY SECURITY CONTRACTOR. UNIT SHALL BE MOUNTED 50 INTERCOM STATION IN 40' ABOVE GROUND. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.

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2. ASBIL 10/NOV/2010
3. ASBIL 10/NOV/2010
4. ASBIL 10/NOV/2010

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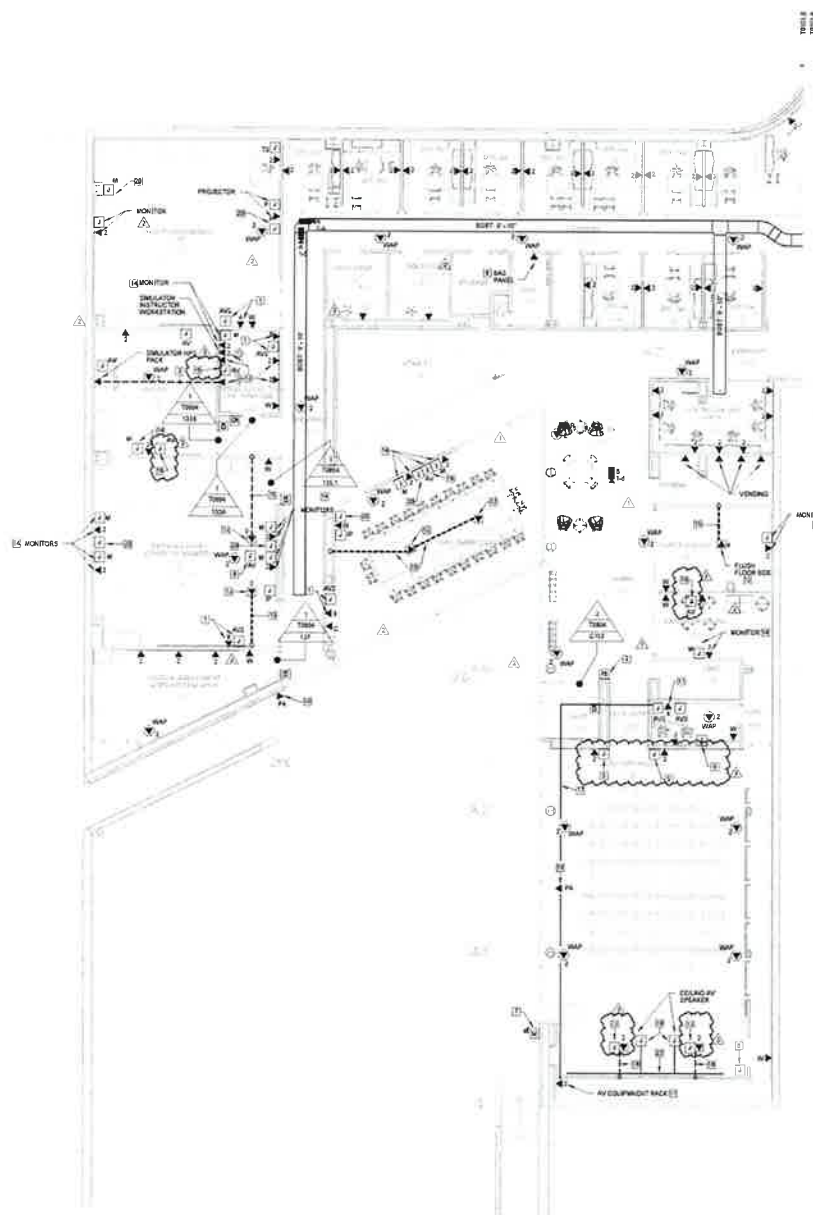


LEVEL 01 FLOOR PLAN - AREA A

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T0101.A

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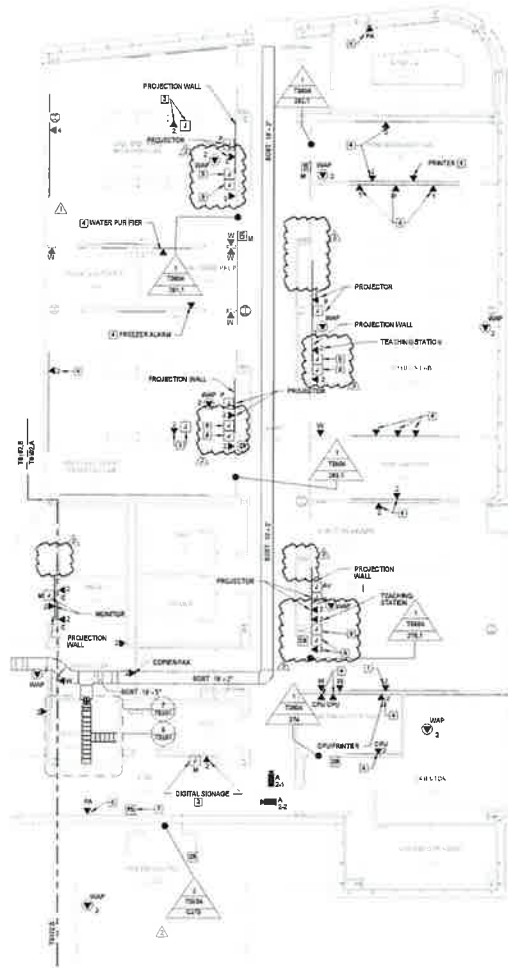


GENERAL NOTES:

1. DATA OUTLETS IN OFFICES SHALL BE LOCATED ADJACENT TO AND AT THE SAME MOUNTING HEIGHT AS THE POWER RECEPTACLES. COORDINATE LOCATION WITH THE ELECTRICAL CONTRACTOR.
2. TELECOMMUNICATION CABLEING ON THIS SHEET SHALL BE RUN TO LEVEL 01 DATA ROOM 105B.
3. FLOOR BOXES ARE SPECIFIED ON THE ELECTRICAL DRAWINGS UNLESS OTHERWISE NOTED.

KEYED NOTES:

- 1 CABINET MOUNTED AV EQUIPMENT (E.g., COORDINATE DEVICE LOCATION WITH CABINET AND AV EQUIPMENT INSTALLATION)
- 2 LOCAL POWER LOSS PROOF SUPPLY
- 3 PROVIDE 1" C-CHANNEL RAIL IN 1" PITCH CONDUIT SLAB COORDINATE TERMINATION REQUIREMENTS WITH SIGNALER EQUIPMENT INSTALLER
- 4 PROVIDE A FLUSH MOUNTED WALL BOX (MIN. 14.25" W/TH) WITH A DOUBLE GANGED PORT FOR AV CABLES. 1" C-CHANNEL IN ACCESSIBLE CEILING (E.G., 2")
- 5 PROVIDE 1" GANG AND 1" C-CHANNEL IN ACCESSIBLE CEILING (E.G., 2") FOR AV CABLES. MIN. 14.25" W/TH. MIN. 14.25" H/TH. MIN. 14.25" D/TH. MIN. 14.25" R/TH. MIN. 14.25" T/TH. MIN. 14.25" B/TH. MIN. 14.25" L/TH. MIN. 14.25" S/TH. MIN. 14.25" U/TH. MIN. 14.25" V/TH. MIN. 14.25" W/TH. MIN. 14.25" X/TH. MIN. 14.25" Y/TH. MIN. 14.25" Z/TH. MIN. 14.25" AA/TH. MIN. 14.25" AB/TH. MIN. 14.25" AC/TH. MIN. 14.25" AD/TH. MIN. 14.25" AE/TH. MIN. 14.25" AF/TH. MIN. 14.25" AG/TH. MIN. 14.25" AH/TH. MIN. 14.25" AI/TH. MIN. 14.25" AJ/TH. MIN. 14.25" AK/TH. MIN. 14.25" AL/TH. MIN. 14.25" AM/TH. MIN. 14.25" AN/TH. MIN. 14.25" AO/TH. MIN. 14.25" AP/TH. MIN. 14.25" AQ/TH. MIN. 14.25" AR/TH. MIN. 14.25" AS/TH. MIN. 14.25" AT/TH. MIN. 14.25" AU/TH. MIN. 14.25" AV/TH. MIN. 14.25" AW/TH. MIN. 14.25" AX/TH. MIN. 14.25" AY/TH. MIN. 14.25" AZ/TH. MIN. 14.25" BA/TH. MIN. 14.25" BB/TH. MIN. 14.25" BC/TH. MIN. 14.25" BD/TH. MIN. 14.25" BE/TH. MIN. 14.25" BF/TH. MIN. 14.25" BG/TH. MIN. 14.25" BH/TH. 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GENERAL NOTES: THIS SHEET ONLY

1. DATA OUTLETS IN OFFICE SHALL BE LOCATED ADJACENT TO AND AT THE SAME MOUNTING HEIGHT AS THE POWER RECEPTACLES. COORDINATE LOCATION WITH THE ELECTRICAL CONTRACTOR.
2. TELECOMMUNICATIONS CABLING ON THIS SHEET SHALL BE RUN TO LEVEL 02 DATA ROOM 208.

KEYED NOTES: THIS SHEET ONLY

1. CABINET MOUNTED AS EQUIPMENT OFFICE
2. CLAMP END OF CABLE OUTLET AND MOUNTING BRACKET AND MOUNTING BRACKET TO WALL/CEILING.
3. MOUNT DEVICES BY THE OVERHEAD SERVICE CARRIER SYSTEM. PROVIDE AN EMPTY 1" CONDUIT WITH PULL STRIPS FROM EACH SERVICE TO CLEARANCE SPACE. COORDINATE SERVICE LOCATION AND MOUNTING REQUIREMENTS WITH CARRIER SYSTEM INSTALLER.
4. MOUNT TELECOMMUNICATIONS (TYPICAL) OF 2 GIGABIT RACKS WITH RED ELECTRICAL ORANGE TOP AND RED INFORMATION.
5. MOUNT DEVICES
6. COORDINATE HEIGHT AND SPACING LOCATION WITH THE SPEAKER INSTALLER.
7. LOCAL ROOM LINE POWER SUPPLY
8. PROVIDE (1) MOUNT SQUARE IN 3" HOLE DEEP WITH 2 GALLONS (MAX) OF 1" CONDUIT TUBING WITH ACCESSIBLE 230V SPACE FOR AIR VENT. PROVIDE TO CAT 6A CABLE TO DATA ROOM 208/209 ON PLAN. MOUNT AT LIGHT MOUNT HEIGHT.
9. PROVIDE (1) MOUNT SQUARE IN 3" HOLE DEEP WITH 2 GALLONS (MAX) FOR THE AIR INPUT PLATE. MOUNT AT RECEPTACLE HEIGHT. PROVIDE (1) 1" CONDUIT TO THE MOUNTING AREA. (SEE KEYED NOTE 8).

1. ADDRESS	10 NOV 2015
2. ADDENDUM #1	18 APR 2016
3. ADDENDUM #2	17 MAR 2016
4. REQUIRED FOR CONSTRUCTION (R/C)	21 MAR 2016



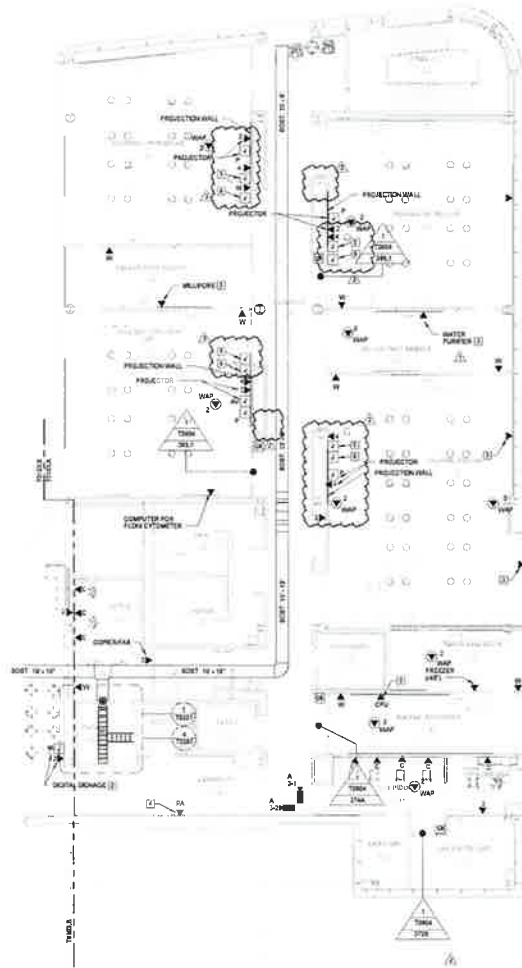
LEVEL 02 FLOOR PLAN - AREA A

Project No. 30011311 Checked by

T0102.A

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GENERAL NOTES:

THIS SHEET ONLY

1. DATA OUTLETS IN OFFICE SHALL BE LOCATED ADJACENT TO AND AT THE SAME MOUNTED HEIGHT AS THE POWER RECEPTACLE. COORDINATE LOCATION WITH THE ELECTRICAL CONTRACTOR.
2. TELECOMMUNICATION CABLEING ON THIS SHEET SHALL BE RUN TO LEVEL 03 DATA ROOM SUIT.

KEYED NOTES:

THIS SHEET ONLY

1. CABLE MOUNTED AV EQUIPMENT, OPEN.
2. CONFIRM EXACT LOCATION OF DATA OUTLET AND MONITOR WITH AV VENDOR PRIOR TO INSTALLATION.
3. INSTALL COMMUNICATIONS OUTLET IN THE COMMUNICATIONS USE OF THE 2 CHANNEL RACEWAY. SEE ELECTRICAL DRAWINGS FOR RACEWAY INFORMATION.
4. COORDINATE HEIGHT AND LOCATION WITH AV SPEAKER INSTALLER.
5. PROVIDE (1) 4'-11 1/8" SQUARE X 2'-9" DEEP BOX WITH 2 GANG RING AND (1) 1" CONDUIT RUN INTO ACCESSIBLE CEILING SPACE FOR AV KEYPAD. PROVIDE (1) CAT 6A CABLE TO DATA ROOM IDENTIFIED ON PLANS. MOUNT AT LIGHT SWITCH HEIGHT.
6. PROVIDE (1) 4'-11 1/8" SQUARE X 2'-9" DEEP BOX WITH 2 GANG RING FOR THE AV INPUT PLATE. MOUNT AT RECEPTACLE HEIGHT. PROVIDE (1) 1" CONDUIT UP TO THE AV KEYPAD AND (1) 1/2" KEYED WIRE IN.



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1. ASB405 15 NOV 2016
2. ASB405W-1 19 APR 2016
3. ASB405W-2 17 APR 2016
4. ISSUED FOR CONSTRUCTION (SPC) 27 MAR 2016

Rev. Description Date



KEY PLAN

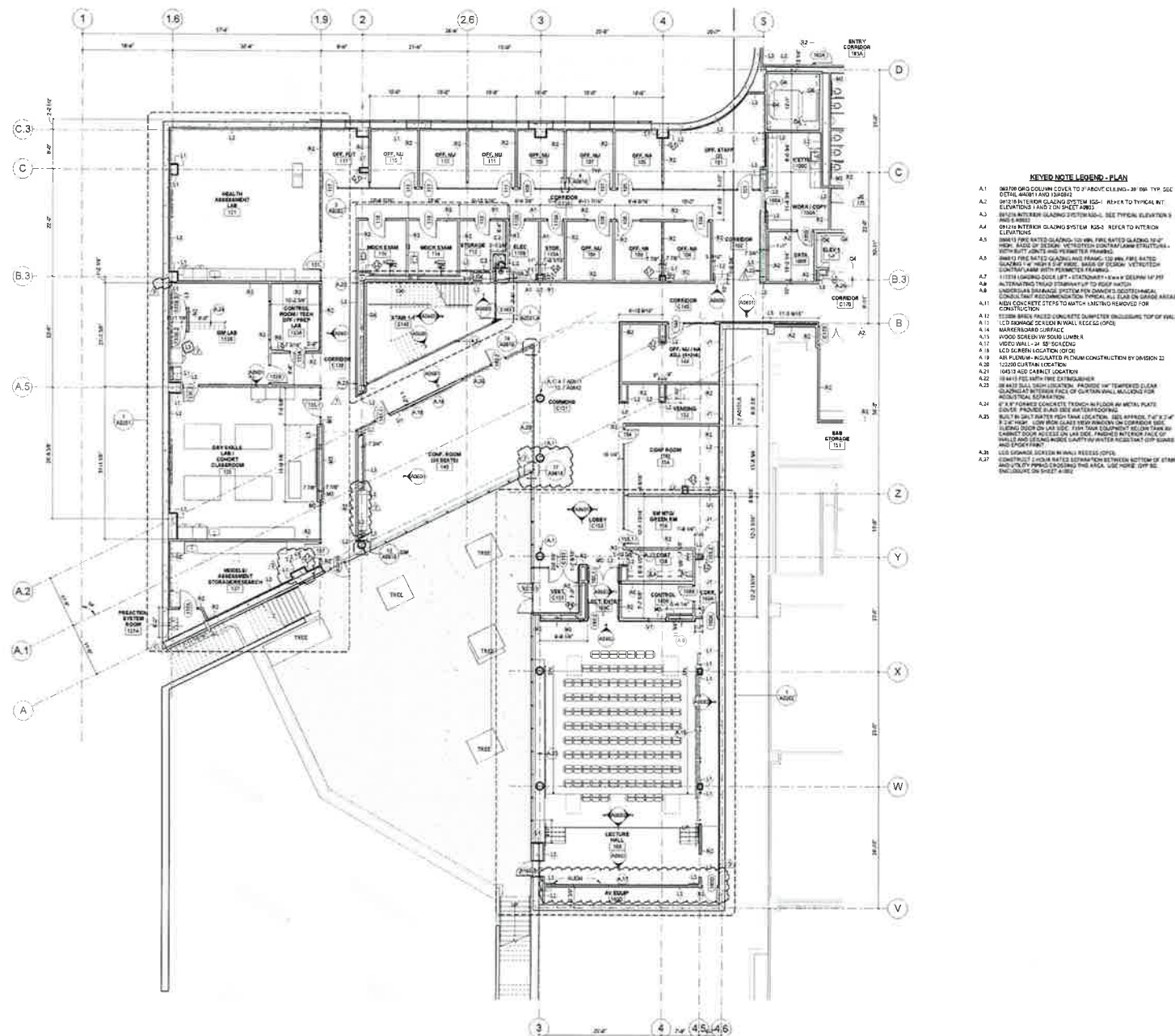
LEVEL 03 FLOOR PLAN - AREA A

Project No. 04051.01 Checked by

T0103.A

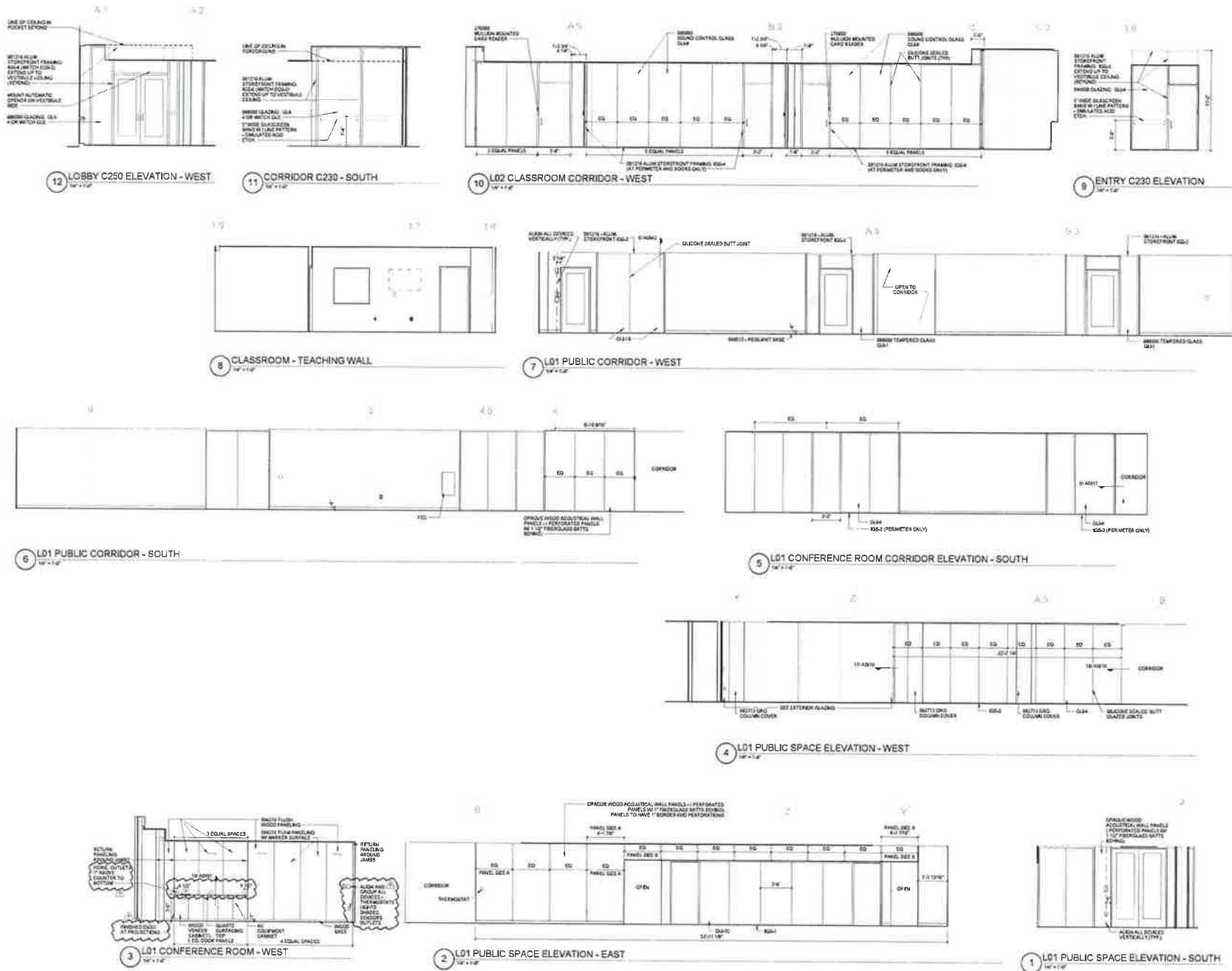
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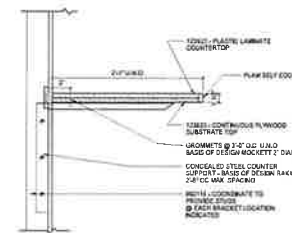




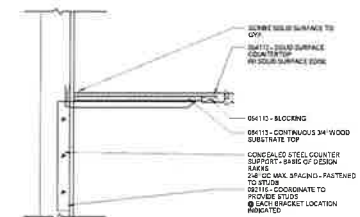
1 LEVEL 01 AREA B FLOOR PLAN-WEST
18' x 12'

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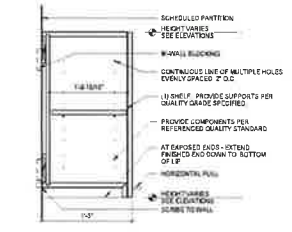




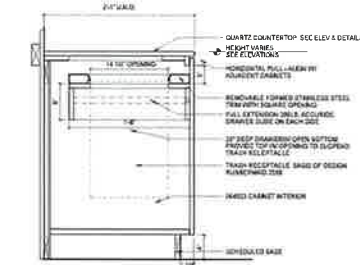
8 SUSPENDED PLAM WORKSURFACE
1'12" x 1'12"



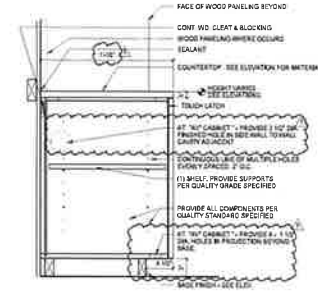
4 SUSPENDED COUNTERTOP
1 W x 12"



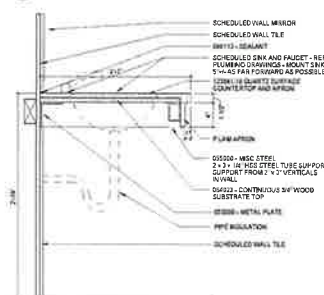
7 UPPER CABINET
14" x 14"



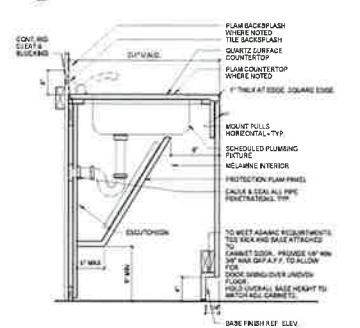
3 BASE CABINET WASTE DRAWER
1 1/2" x 2 1/4"



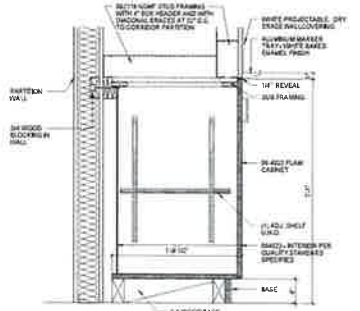
10 CONF ROOM BASE CABINET
1.132" x 1.48"



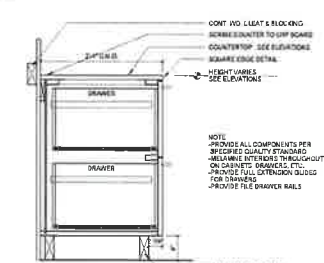
6 COUNTERTOP W LAV



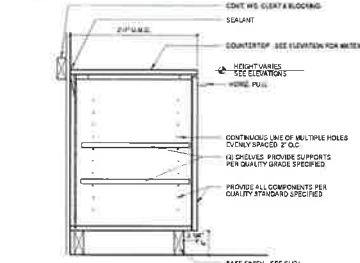
2 ACCESSIBLE BASE CABINET W/SINK
31 1/2" x 24"



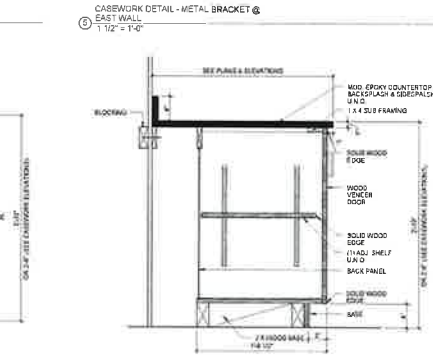
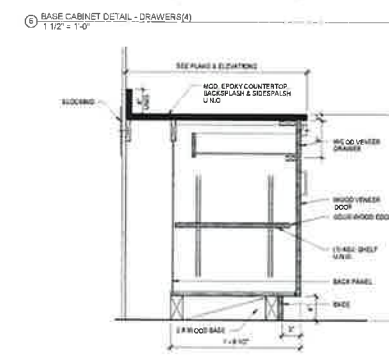
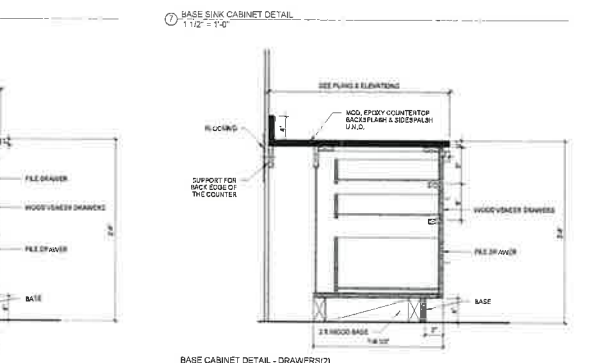
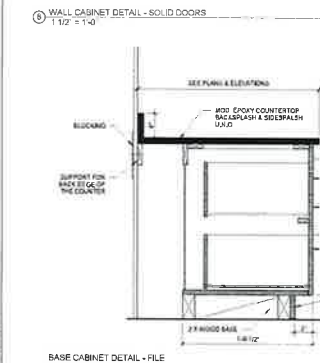
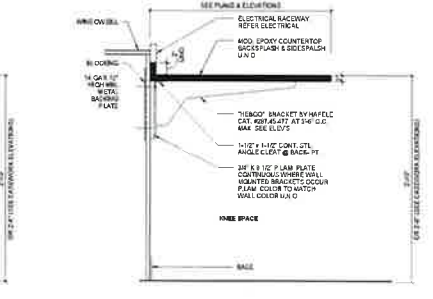
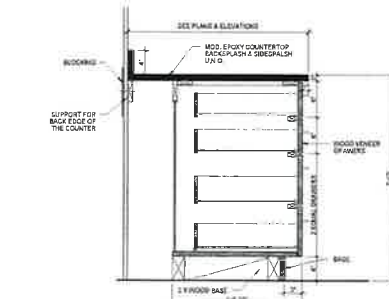
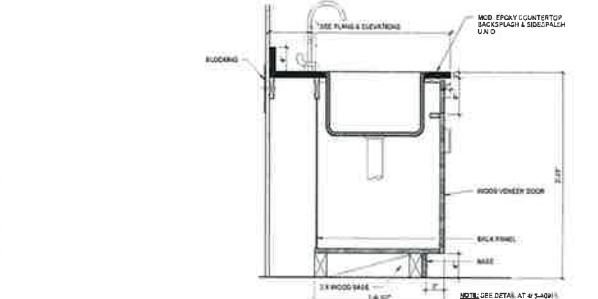
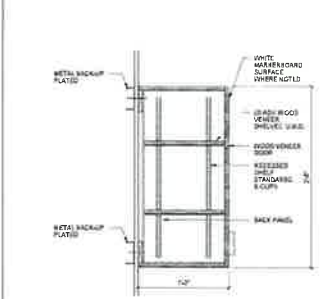
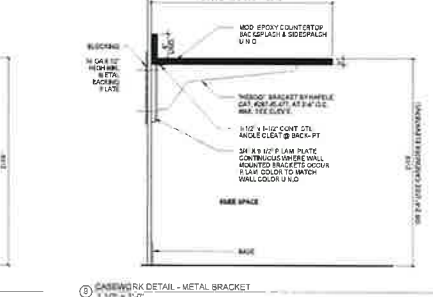
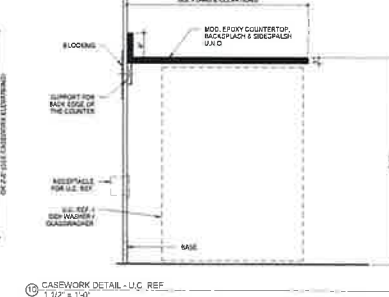
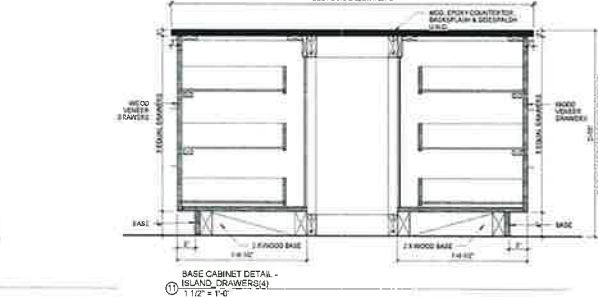
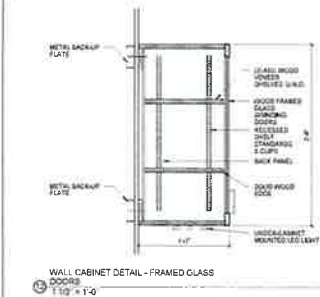
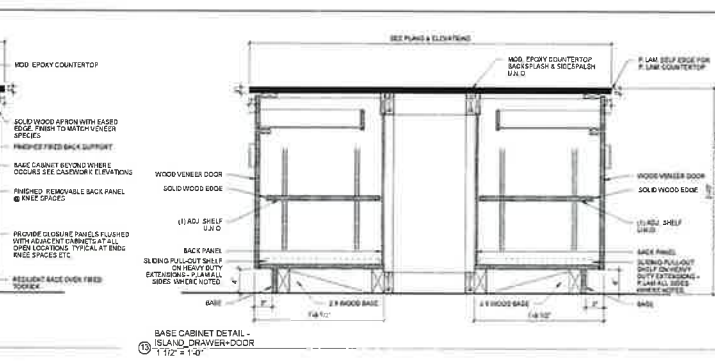
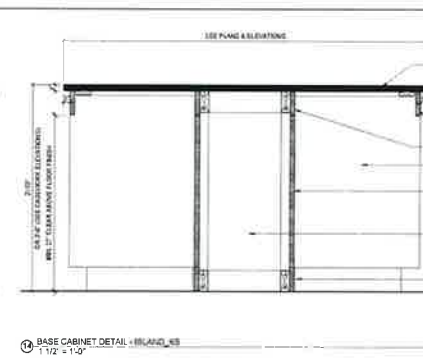
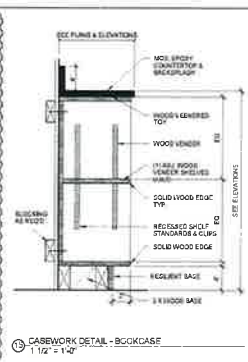
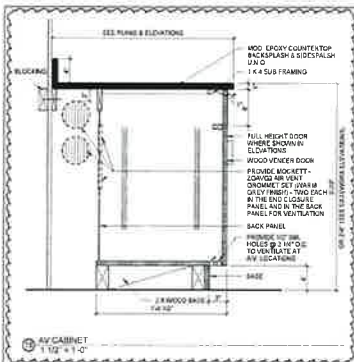
9 BASE CABINET DETAIL BELOW MARKER BOARD
1 1/2" x 1 1/2"



5 BASE CABINET W/ DRAWERS NO BACKSPLASH
132" x 14"



1 BASE CABINET W/ SHELVES NO BACKSPLASH
1 1/2" x 1 1/2"



Webster ISB ASI - 035**E0101.A**

Length

Count

TSGB24 ADJ BOX MTG BRKT		1
#8x 3/4 WAFER HEAD SELF-TAP STUD SCREW - 12G		4
20A QUADRAPLEX RECEPTACLE		1
3 #12 3/4" EMT ON STEEL FLANGE	100	1
#12 WIRE POWER TERM		3

E0101.B

TSGB24 ADJ BOX MTG BRKT		1
#8x 3/4 WAFER HEAD SELF-TAP STUD SCREW - 12G		4
20A DUPLEX RECEPTACLE		1
#12/2 MC CABLE - CADDY HAMMER-ON SUPPORT	45	1
TSGB24 ADJ BOX MTG BRKT		1
#8x 3/4 WAFER HEAD SELF-TAP STUD SCREW - 12G		4
TSGB24 ADJ BOX MTG BRKT		1
#8x 3/4 WAFER HEAD SELF-TAP STUD SCREW - 12G		4
20A QUADRAPLEX RECEPTACLE		2
4 11/16" SQ BOX THRD ROD ON STEEL FLANGE 3' DROP		2
7 #10 3/4" RACEWAY	105	1
7 #10 3/4" RACEWAY	105	1
9 #10 3/4" RACEWAY	-30	-1
#12 WIRE POWER TERM		6

E0102.A

20A QUADRAPLEX RECEPTACLE		-4
#12/2 MC CABLE - CADDY HAMMER-ON SUPPORT	-40	-4
#12 THHN BLACK	-80	

E0102.B

20A QUADRAPLEX RECEPTACLE		-1
#12/2 MC CABLE - CADDY HAMMER-ON SUPPORT	-10	-1
#12 THHN BLACK	-120	

E0103.A

20A QUADRAPLEX RECEPTACLE		-4
#12/2 MC CABLE - CADDY HAMMER-ON SUPPORT	-40	-4
#12 THHN BLACK	-80	

E0103.B

20A QUADRAPLEX RECEPTACLE		-1
#12/2 MC CABLE - CADDY HAMMER-ON SUPPORT	-20	-1

E0104.A

20A QUADRAPLEX RECEPTACLE PLASTIC PLATE		-5
#12/2 MC CABLE - CADDY HAMMER-ON SUPPORT	-50	-5

T0101.A

SYSTEMS ROUGH-IN BOX WITH 3/4" STUB-UP		-2
SYSTEMS ROUGH-IN BOX WITH 1 1/2" STUB-UP		1
INSTALL TST 902 BOX FBO ASSY		1
4 11/16" SQ 2G PLSTR RING 1/2" RISE		1

T0101.B

SYSTEMS ROUGH-IN BOX WITH 1" STUB-UP		4
4 GANG BOX ASSY		2
1 1/2" EMT ON STL	30	2

T0102.A

SYSTEMS ROUGH-IN BOX WITH 1" STUB-UP		9
1 1/2" EMT ON STL	-20	-2

T0102.B

SYSTEMS ROUGH-IN BOX WITH 1" STUB-UP		1
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T0103.A

SYSTEMS ROUGH-IN BOX WITH 1" STUB-UP		-4
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T0104.A

2G TELE/DATA ROUGH-IN BOX WITH 1" STUB-UP		-6
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MODIFY AV CABINETS FOR RACEWAY ROUGH INS

MODIFY AV CABINET		9
#12/2 MC CABLE - CADDY HAMMER-ON SUPPORT	180	9
1 1/2" STEEL FLEX	100	
1 1/2" STL 90 DEG FLEX CONN		9
1 1/2" STL FLEX CONN		9

4 11/16" SQUARE BOX ON CONCRETE		9
1-1/2" EMT BUSHING HAMMER ON		9