FLOOR PLAN GENERAL NOTES

1. REFER TO A600 FOR PARTITION SCHEDULE AND DETAILS
2. REFER TO A602 FOR DOOR, FRAME AND INTERIOR WINDOW DETAILS
3. REFER TO INTERIOR ELEVATIONS AND ENLARGED PLANS FOR ADDITIONAL TAGS NOT SHOWN IN A100 PLANS.
4. REFER TO S500 FOR STRUCTURAL DETAILS
5. REFER TO CONTROL PLANS FOR SLAB EDGES, DEPRESSIONS AND OPENING LOCATIONS.
6. PROVIDE CONCEALED SUPPORT ABOVE CEILINGS FOR CEILING MOUNTED EQUIPMENT, SPECIALTY LIGHTING, ETC. INCLUDING OWNER FURNISHED EQUIPMENT. REFER TO ALL DISCIPLINES DRAWINGS FOR EQUIPMENT, ACCESSORIES AND OTHER CEILING MOUNTED ITEMS
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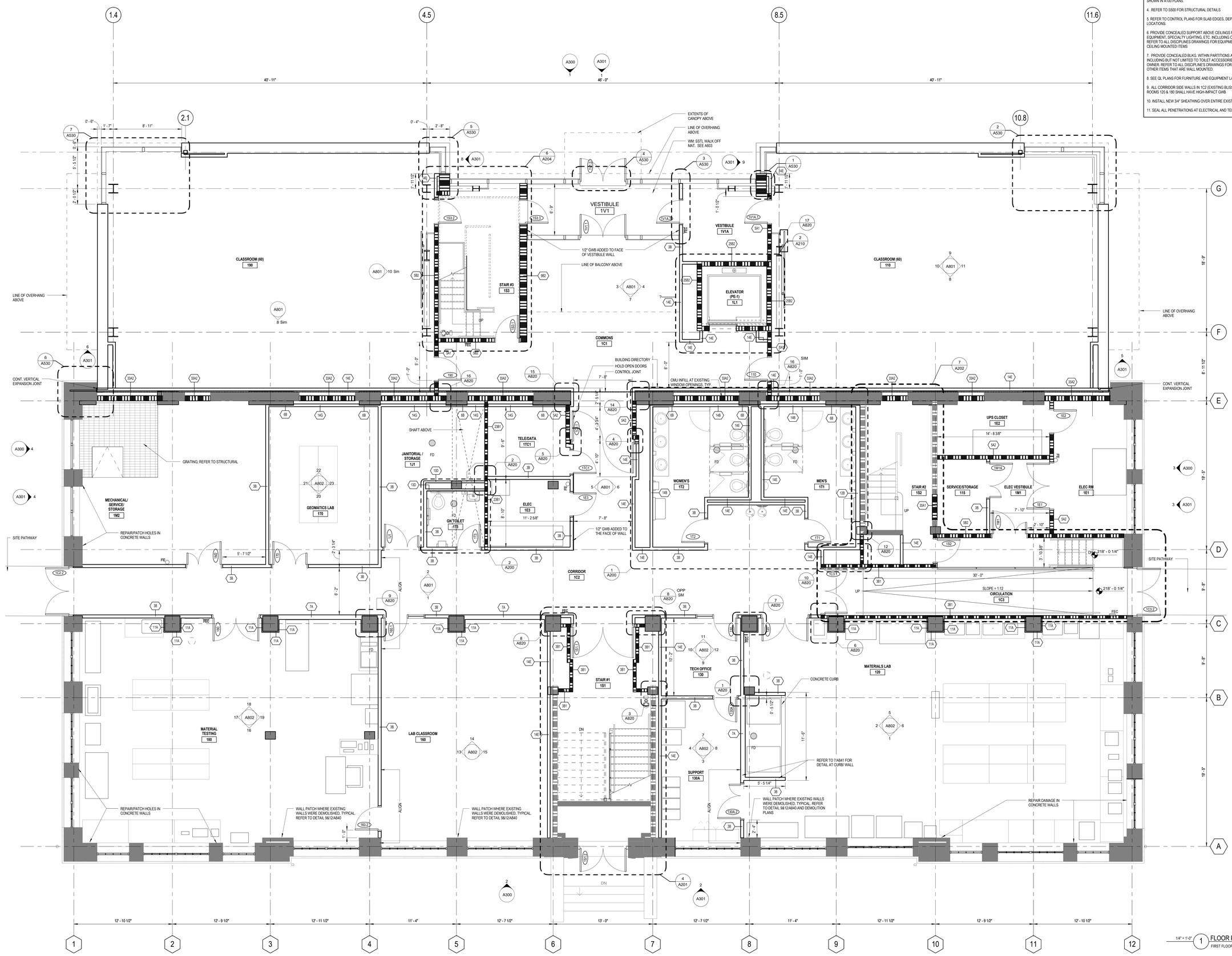
8. SEE QL PLANS FOR FURNITURE AND EQUIPMENT LAYOUTS IN TEACHING LAB ROOMS
9. ALL CORRIDOR SIDE WALLS IN 1C2 (EXISTING BLISS HALL) AND INTERIOR WALLS OF ROOMS 120 & 180 SHALL HAVE HIGH-IMPACT GWB
10. INSTALL NEW 3/4" SHEATHING OVER ENTIRE EXISTING THIRD AND FOURTH FLOORS.
11. SEAL ALL PENETRATIONS AT ELECTRICAL AND TEL/DATA CLOSETS.



THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11

SCALE: As indicated

ARCHITECTURE

TITLE:

FIRST FLOOR PLAN

NUMBER:

A101

FLOOR PLAN GENERAL NOTES

1. REFER TO A600 FOR PARTITION SCHEDULE AND DETAILS

2. REFER TO A602 FOR DOOR, FRAME AND INTERIOR WINDOW DETAILS

3. REFER TO INTERIOR ELEVATIONS AND ENLARGED PLANS FOR ADDITIONAL TAGS NOT SHOWN IN A100 PLANS.

4. REFER TO S500 FOR STRUCTURAL DETAILS

5. REFER TO CONTROL PLANS FOR SLAB EDGES, DEPRESSIONS AND OPENING LOCATIONS.

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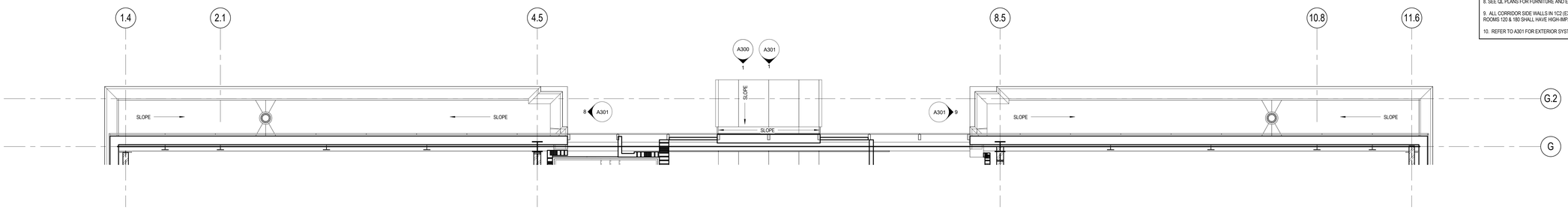
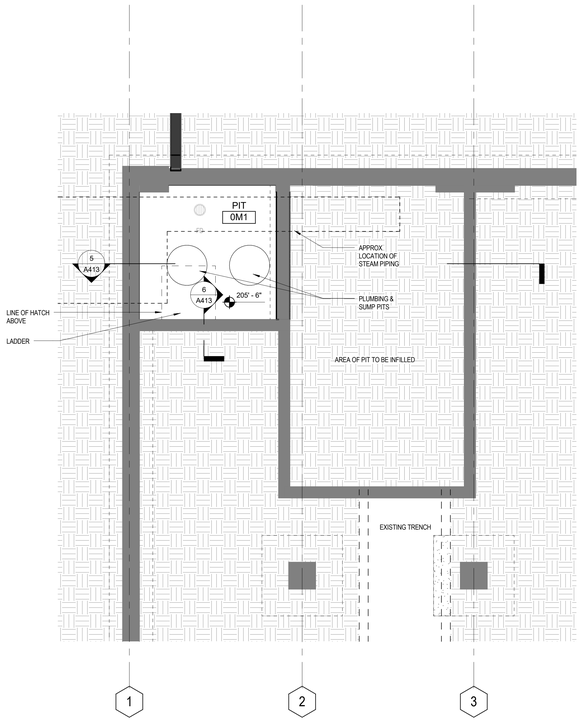
10. REFER TO A301 FOR EXTERIOR SYSTEM ABBREVIATION DESCRIPTIONS



1/4" = 1'-0" 2 FLOOR PLAN
LOW ROOF PLAN



1/4" = 1'-0" 1 FLOOR PLAN
BASEMENT PIT

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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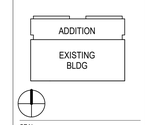

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07/05/18 ISSUE 5
D R A W I N G I S S U E

PROJECT: 15085.11

SCALE: As indicated

A R C H I T E C T U R E

TITLE:

BASEMENT PIT & LOW ROOF FLOOR PLAN

NUMBER:

A101.1

FLOOR PLAN GENERAL NOTES

1. REFER TO A600 FOR PARTITION SCHEDULE AND DETAILS

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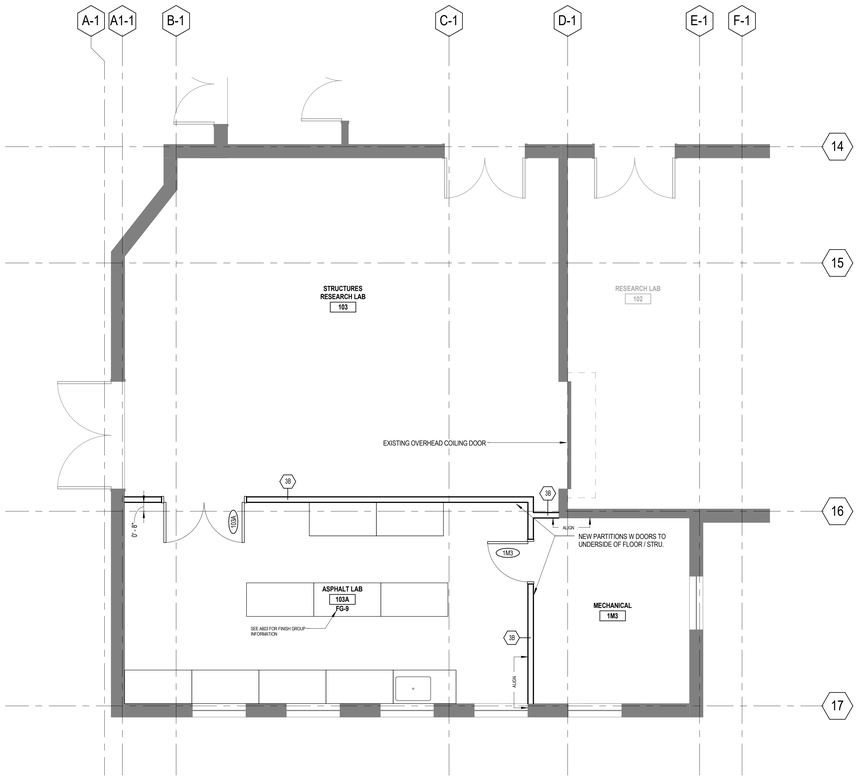

1/4" = 1'-0" 1 FLOOR PLAN
ASPHALT LAB - FIRST FLOOR PLAN

THE UNIVERSITY OF RHODE ISLAND

KIRK CAT RENOVATION

KINGSTON, RI

PROJECT NO.: KC.G.ENGR.2017.001

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07/05/18 ISSUE 5
D R A W I N G I S S U E

PROJECT: 15085.11

SCALE: As indicated

A R C H I T E C T U R E

TITLE:

FIRST FLOOR PLAN (KIRK)

NUMBER:

A101.2

FLOOR PLAN GENERAL NOTES

1. REFER TO A600 FOR PARTITION SCHEDULE AND DETAILS
2. REFER TO A602 FOR DOOR, FRAME AND INTERIOR WINDOW DETAILS
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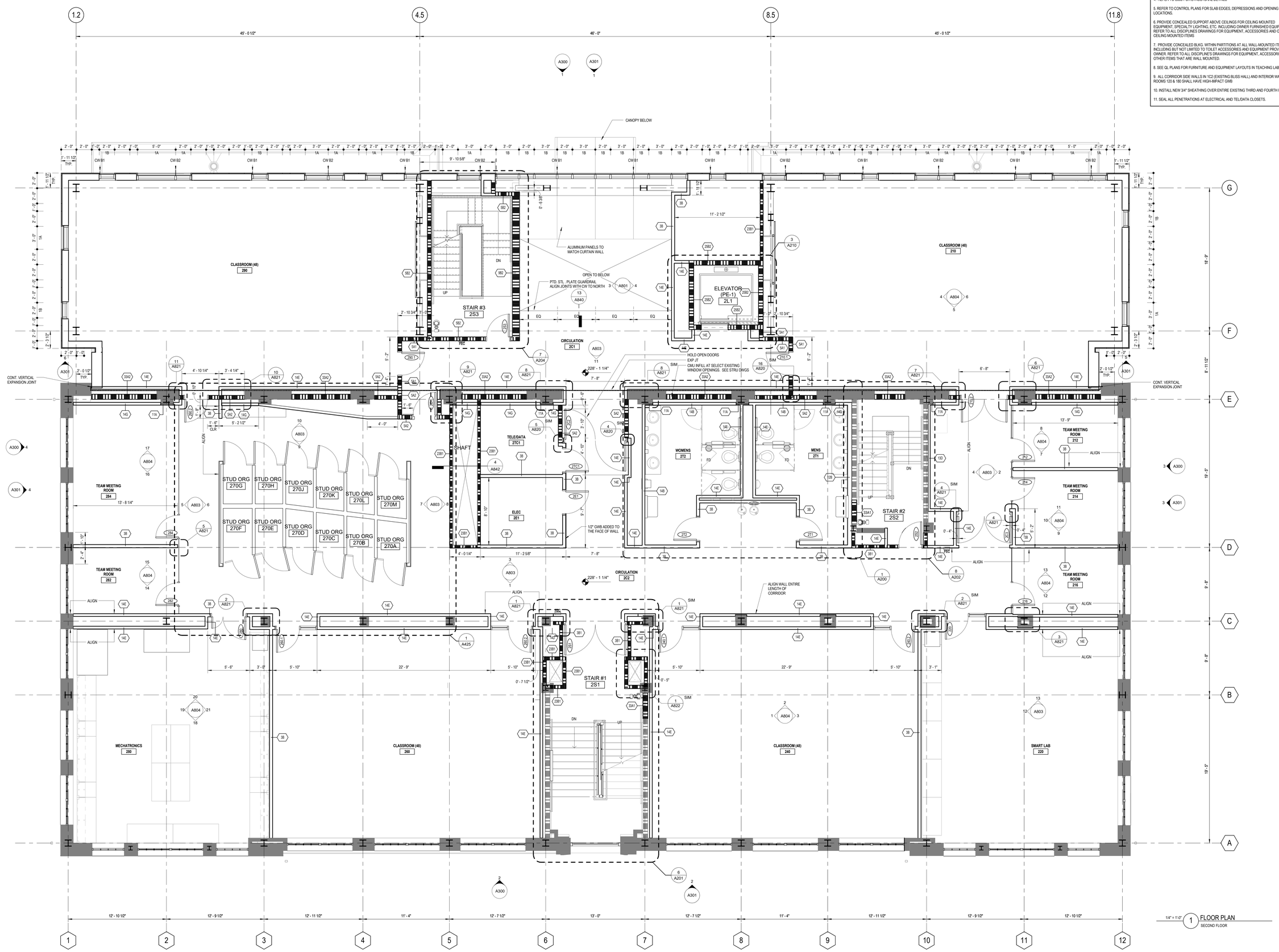

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11
SCALE: As indicated

ARCHITECTURE

TITLE:

SECOND FLOOR PLAN

NUMBER:

A102

FLOOR PLAN GENERAL NOTES

1. REFER TO A600 FOR PARTITION SCHEDULE AND DETAILS
2. REFER TO A602 FOR DOOR, FRAME AND INTERIOR WINDOW DETAILS
3. REFER TO INTERIOR ELEVATIONS AND ENLARGED PLANS FOR ADDITIONAL TAGS NOT SHOWN IN A100 PLANS.
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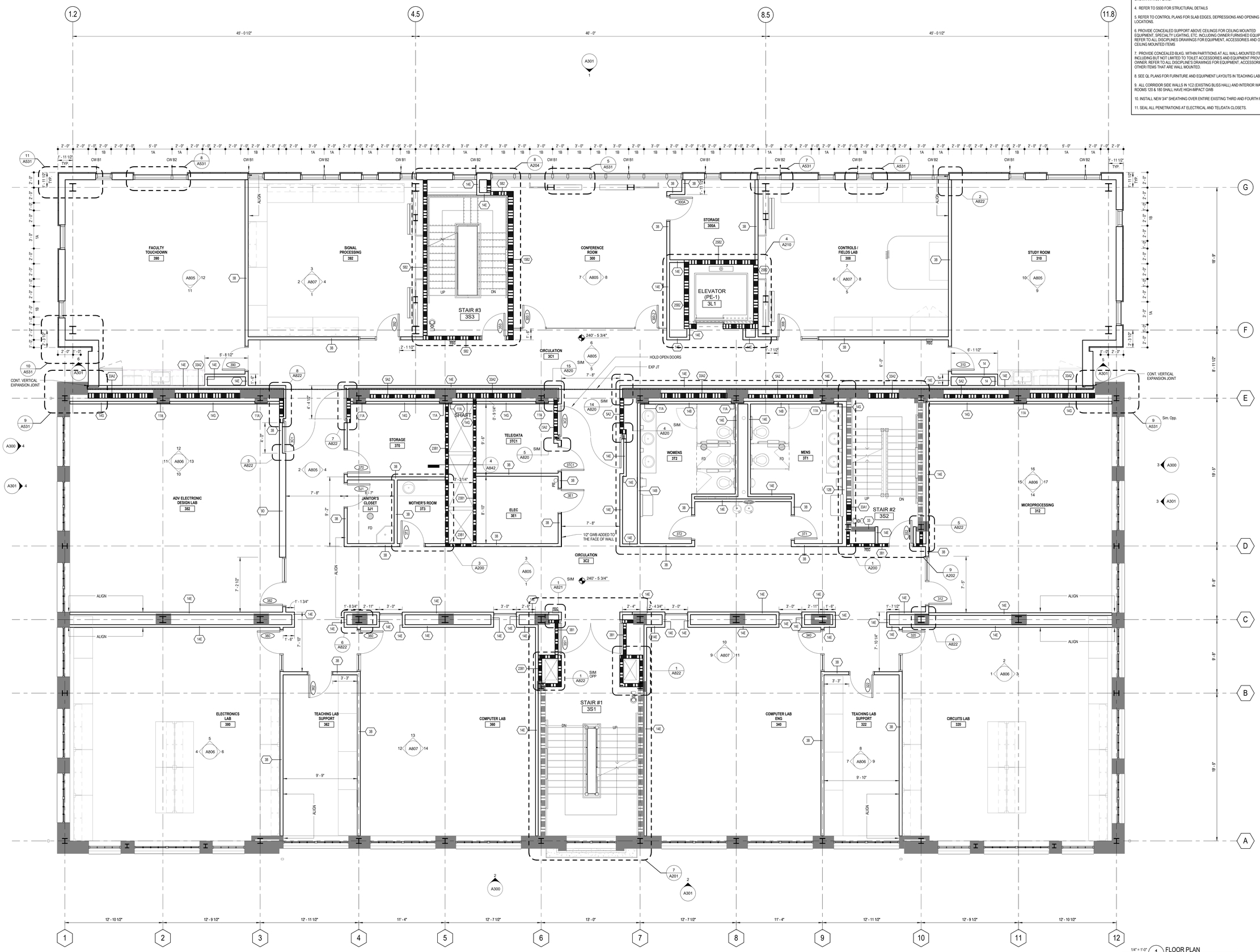
10. INSTALL NEW 3/4" SHEATHING OVER ENTIRE EXISTING THIRD AND FOURTH FLOORS.
11. SEAL ALL PENETRATIONS AT ELECTRICAL AND TEL/DATA CLOSETS.



1/4" = 1'-0" 1 FLOOR PLAN
THIRD FLOOR

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11
SCALE: As indicated
ARCHITECTURE

TITLE:

THIRD FLOOR PLAN

NUMBER:

A103

FLOOR PLAN GENERAL NOTES

1. REFER TO A600 FOR PARTITION SCHEDULE AND DETAILS
2. REFER TO A602 FOR DOOR, FRAME AND INTERIOR WINDOW DETAILS
3. REFER TO INTERIOR ELEVATIONS AND ENLARGED PLANS FOR ADDITIONAL TAGS NOT SHOWN IN A100 PLANS.
4. REFER TO S500 FOR STRUCTURAL DETAILS
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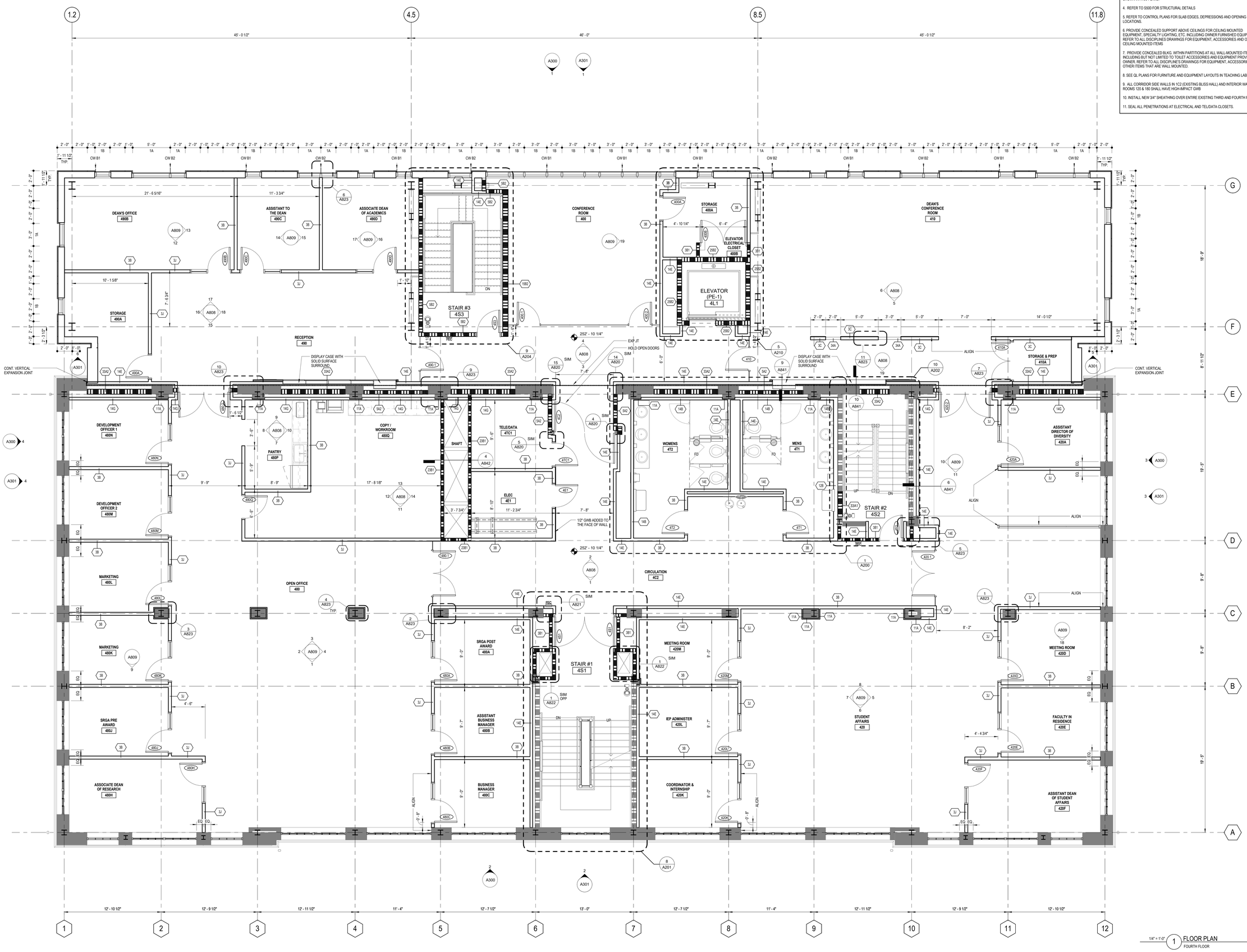

1/4" = 1'-0" 1 FLOOR PLAN
FOURTH FLOOR

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11

SCALE: As indicated

ARCHITECTURE

TITLE:

FOURTH FLOOR PLAN

NUMBER:

A104

ROOF LEGEND:

RD	ROOF DRAIN
	ROOF TIE-BACK EQUIPMENT, TYP.
	WALL ANCHOR TIE-BACK EQUIPMENT, TYP.
+2"	TAPERED INSULATION THICKNESS
	DIRECTION OF WATER FLOW SLOPE 1/4" PER FOOT, MIN.
	24" WALKWAY PAD W/ PROTECTIVE MEMBRANE UNDERLAYMENT

FLOOR PLAN GENERAL NOTES

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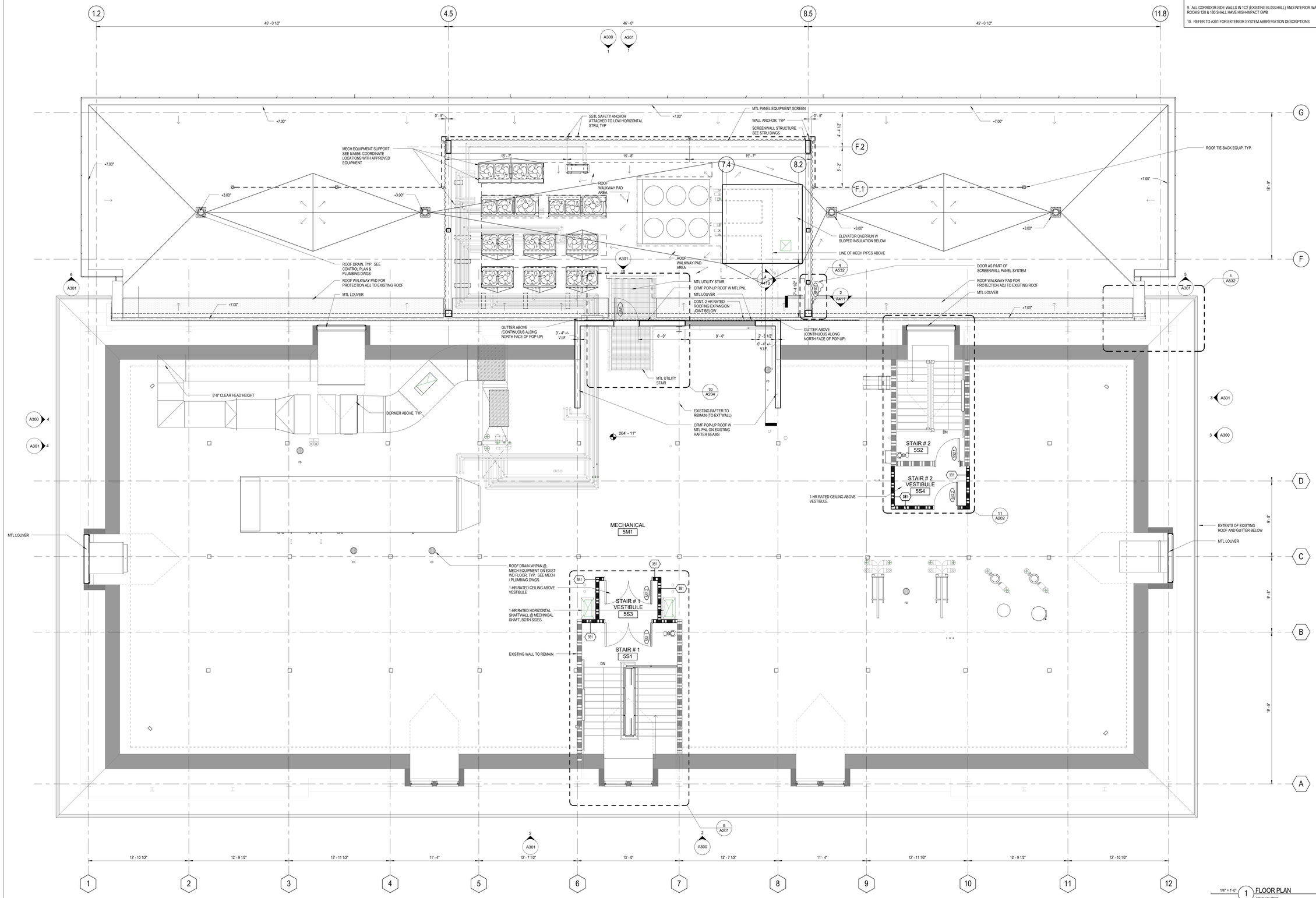

1/4" = 1'-0" 1 FLOOR PLAN
FIFTH FLOOR

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11

SCALE: As indicated

ARCHITECTURE

TITLE:

FIFTH FLOOR PLAN

NUMBER:

A105

FLOOR PLAN GENERAL NOTES

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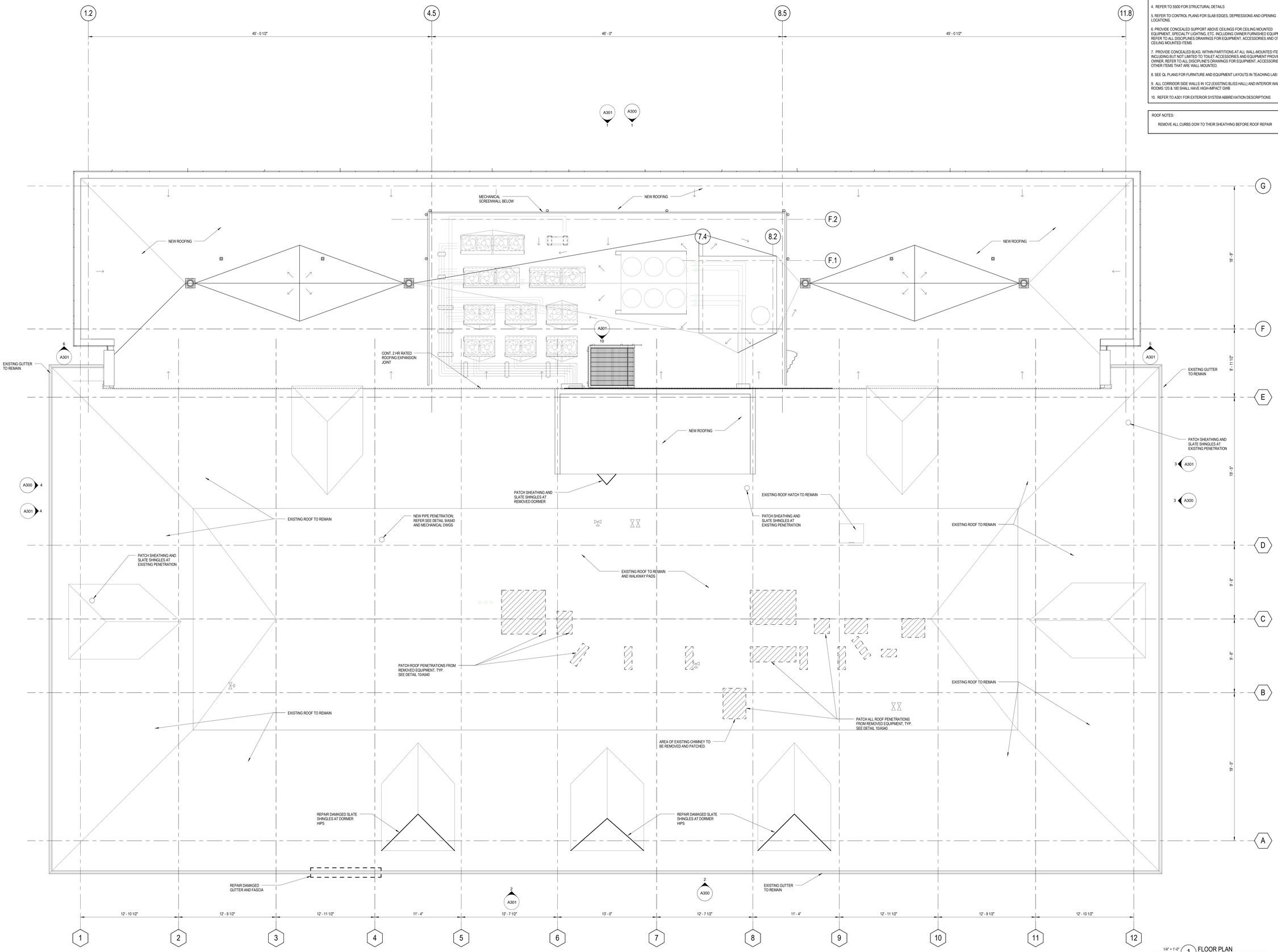
6. PROVIDE CONCEALED SUPPORT ABOVE CEILINGS FOR CEILING MOUNTED EQUIPMENT, SPECIALTY LIGHTING, ETC. INCLUDING OWNER FURNISHED EQUIPMENT. REFER TO ALL DISCIPLINES DRAWINGS FOR EQUIPMENT, ACCESSORIES AND OTHER CEILING MOUNTED ITEMS
7. PROVIDE CONCEALED BLKG. WITHIN PARTITIONS AT ALL WALL-MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO TOILET ACCESSORIES AND EQUIPMENT PROVIDED BY OWNER. REFER TO ALL DISCIPLINE'S DRAWINGS FOR EQUIPMENT, ACCESSORIES AND OTHER ITEMS THAT ARE WALL MOUNTED.
8. SEE QL PLANS FOR FURNITURE AND EQUIPMENT LAYOUTS IN TEACHING LAB ROOMS
9. ALL CORRIDOR SIDE WALLS IN 1C2 (EXISTING BLISS HALL) AND INTERIOR WALLS OF ROOMS 120 & 180 SHALL HAVE HIGH-IMPACT GWB
10. REFER TO A301 FOR EXTERIOR SYSTEM ABBREVATION DESCRIPTIONS

ROOF NOTES:

REMOVE ALL CURBS DOW TO THEIR SHEATHING BEFORE ROOF REPAIR



1/4" = 1'-0" 1 FLOOR PLAN
ROOF PLAN

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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KEYPLAN:

ADDITION

EXISTING BLDG

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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11

SCALE: As indicated

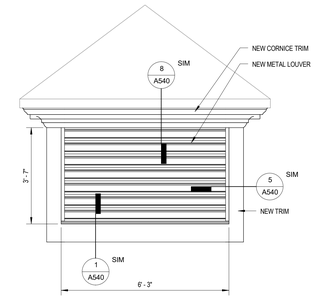
ARCHITECTURE

TITLE:

ROOF PLAN

NUMBER:

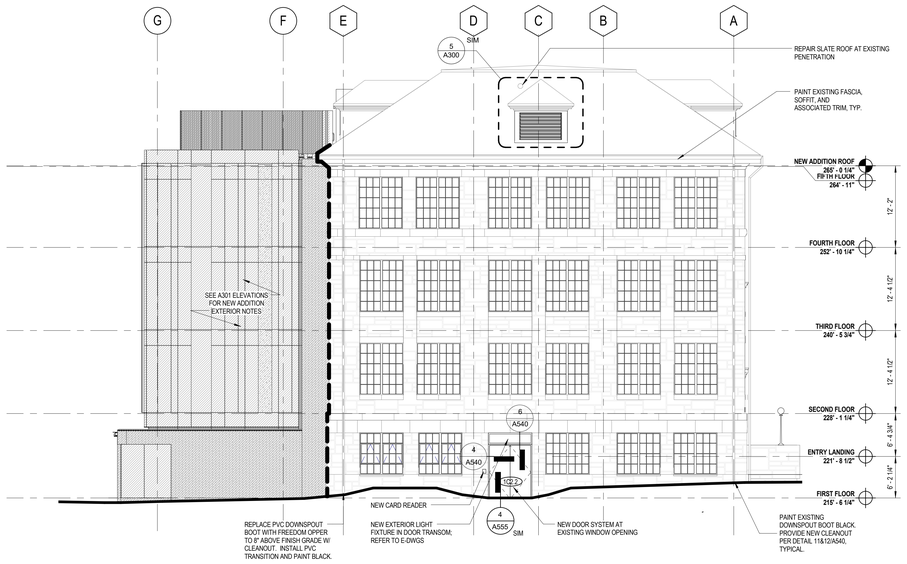
A106



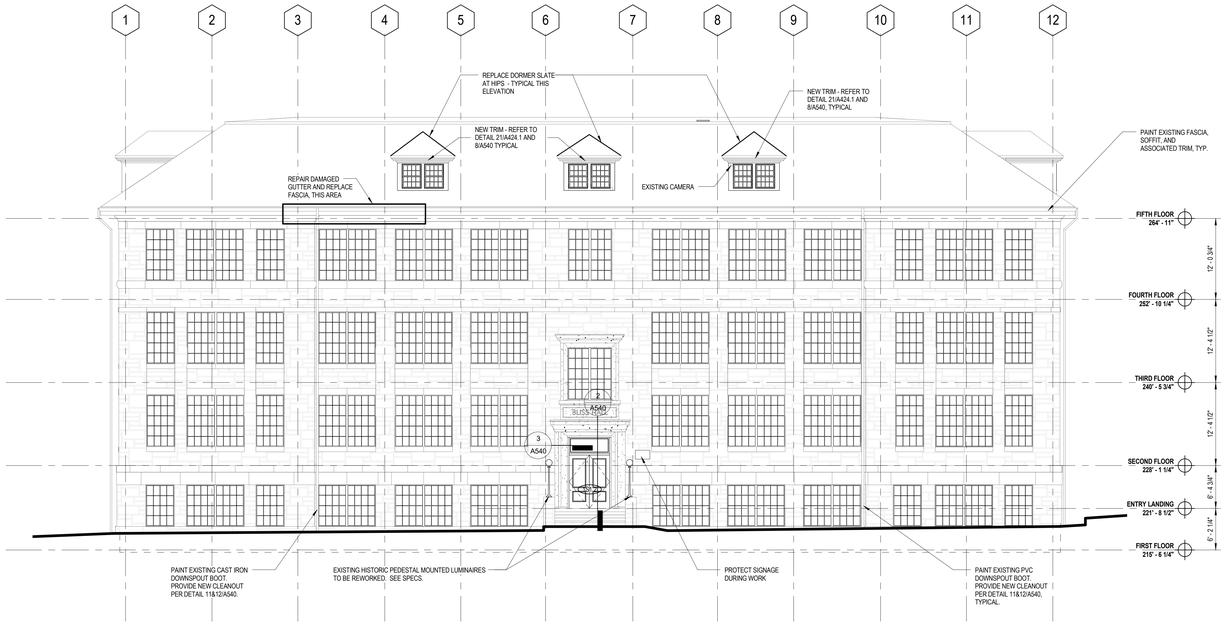
1/2" = 1'-0" 5 ELEVATION DETAIL
TYPICAL LOUVER ELEVATION

NOTES

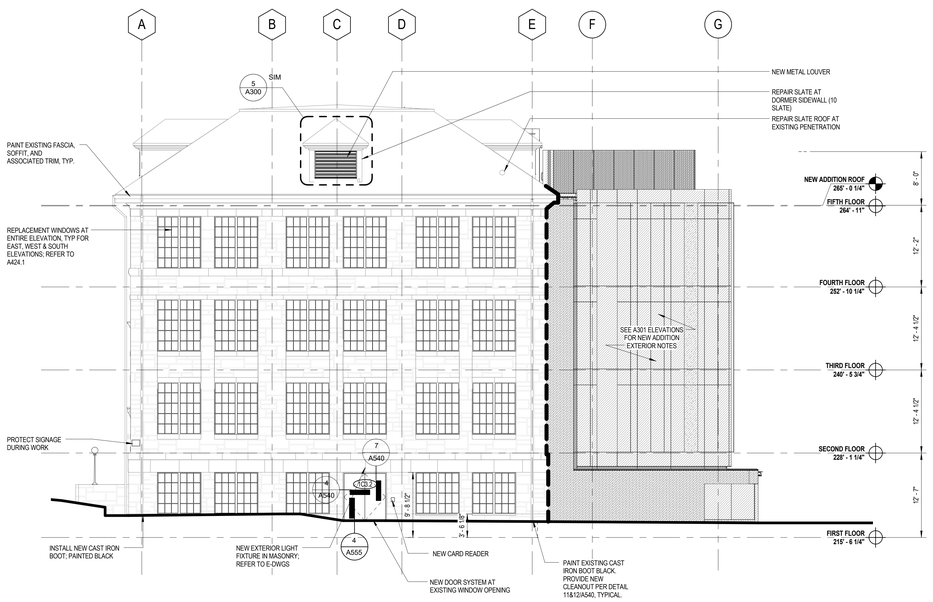
1. REFER TO WINDOW REPLACEMENT PACKAGE (SHEET A424.1) FOR WINDOW SCOPES.
2. REFER TO MASONY REPAIR PACKAGE (SHEETS A424.2, A424.3, A424.4) FOR MASONRY SCOPE.
3. COORDINATE ALL EXTERIOR SCOPE. SEE A301.
4. SEE SLATE SHINGLE REPAIR AND EXTERIOR FINISH CARPETNRY SPECS FOR MISC. REPAIR QUANTITIES.



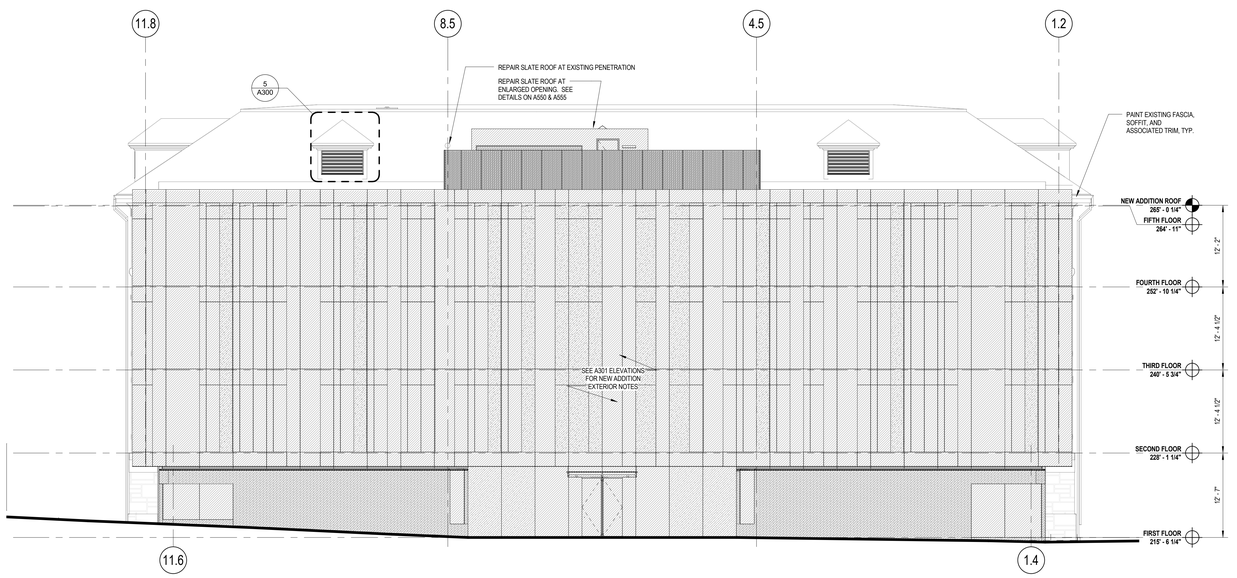
1/8" = 1'-0" 4 ELEVATION
WEST ELEVATION



1/8" = 1'-0" 2 ELEVATION
SOUTH ELEVATION



1/8" = 1'-0" 3 ELEVATION
EAST ELEVATION



1/8" = 1'-0" 1 ELEVATION
NORTH ELEVATION

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

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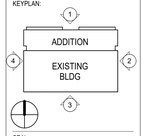
KEYPLAN:



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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11

SCALE: As indicated

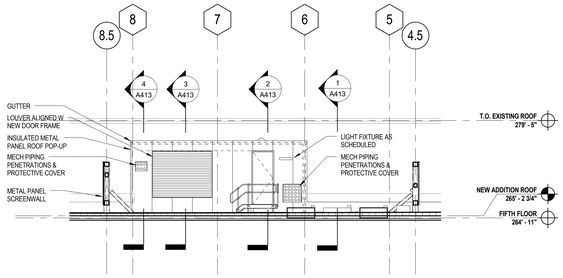
ARCHITECTURE

TITLE:

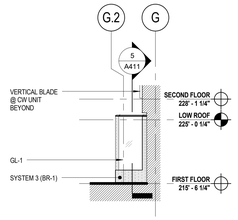
ELEVATIONS - EXISTING BUILDING

NUMBER:

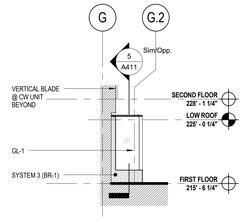
A300



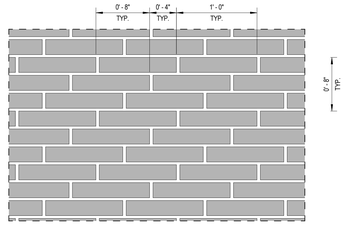
1/8" = 1'-0" 10 ELEVATION
MTL ROOF POP-UP



1/8" = 1'-0" 9 ELEVATION
BRICK RETURN @ NORTH ENTRY - EAST



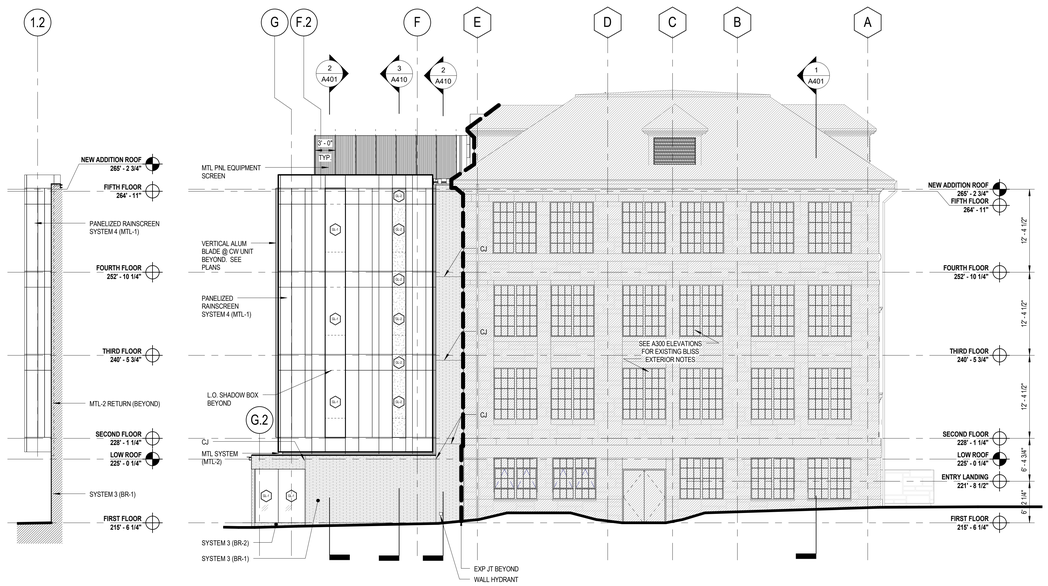
1/8" = 1'-0" 8 ELEVATION
BRICK RETURN @ NORTH ENTRY - WEST



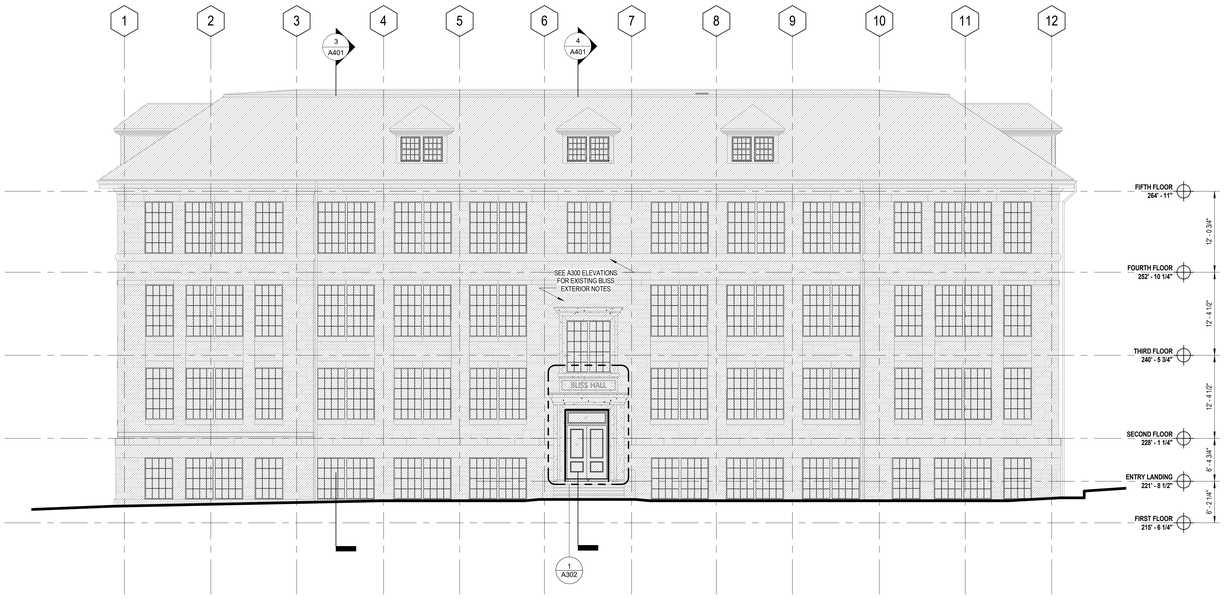
1 1/2" = 1'-0" 7 ELEVATION DETAIL
ENLARGED BRICK ELEVATION / PATTERN

EXTERIOR SYSTEMS (NEW ADDITION). SEE PLANS FOR LOCATIONS	
SYSTEM 1A:	CURTAINWALL W/ HORIZONTAL MULLION TRIM AT FLOOR LINE
SYSTEM 1B:	CURTAINWALL W/ NO EXTERIOR EXPOSED TRIM
SYSTEM 3:	BRICK WALL SYSTEM BR-1 BRICK TYPE 1 BR-2 BRICK TYPE 2
SYSTEM 4:	PANELIZED ALUMINUM RAINSCREEN (SEE A100 PLANS FOR VERT MODULE LOCATIONS)
CW B1:	4" CURTAINWALL BLADE 1 (SEE PLANS & A531 FOR DETAIL)
CW B2:	8" CURTAINWALL BLADE 2 (SEE PLANS& A531 FOR DETAIL)
SB 1:	CW SHADOW BOX FINISHED ON TWO SIDES (FRONT & BOTTOM)
SB 2:	CW SHADOW BOX FINISHED ON THREE SIDES (FRONT, BOTTOM & BACK). SB 2 IS TYPICAL U.N.O.

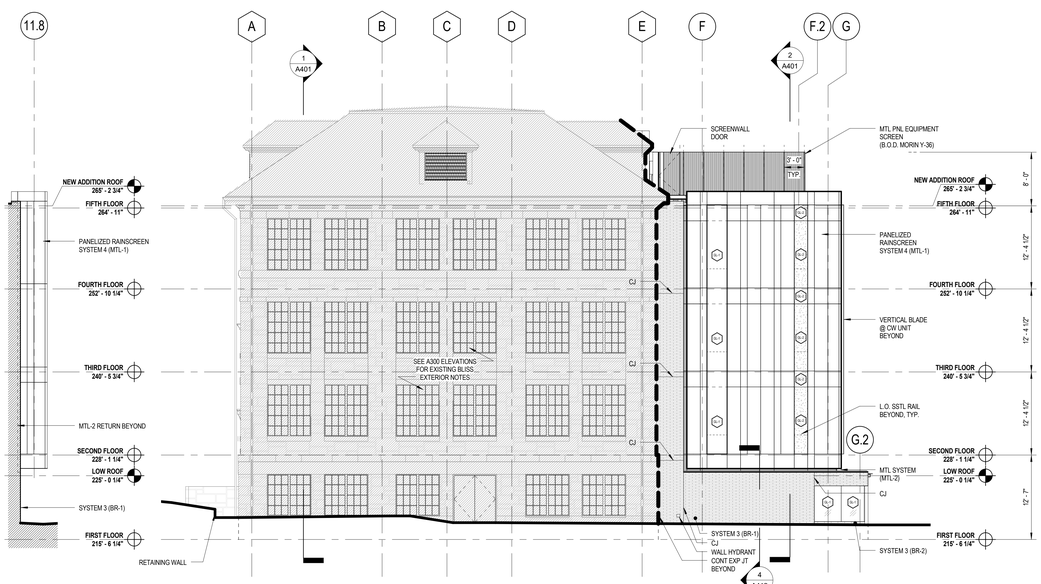
EXTERIOR GLASS TYPES (NEW ADDITION)	
GL-1	1" VE1-2M INSULATING HS/HS 1/4" (6mm) CLEAR HS VE-2M #2 1/2 (13.2mm) AIRSPACE-BLACK 1/4" (6mm) CLEAR HS *NOTE: MATCHES OFFICE BAR GLASS IN NEB
GL-2	1" LOW IRON VELOUR/CLEAR INSULATING SILKSCREEN HS/HS 1/4" (6mm) LOW IRON VELOUR #1 HS 1/2 (13.2mm) AIRSPACE-BLACK 1/4" (6mm) CLEAR HS SCREEN #S953 #3 V175-HIGH OPACITY WHITE VIRASPAN #3 *NOTE: MATCHES ACID GLASS OVER TRUSS ON NEB
GL-4	1/4" (6mm) OPTI-WHITE VE24-2M #2 1/2 (13.2mm) AIRSPACE 1/4" (6mm) OPTI-WHITE *NOTE: MATCHES GLASS AT SECTIONAL LOUNGES IN NEB. CURRENT LOCATION: ENTRY



1/8" = 1'-0" 6 ELEVATION
SOUTHWEST PARTIAL ELEVATION

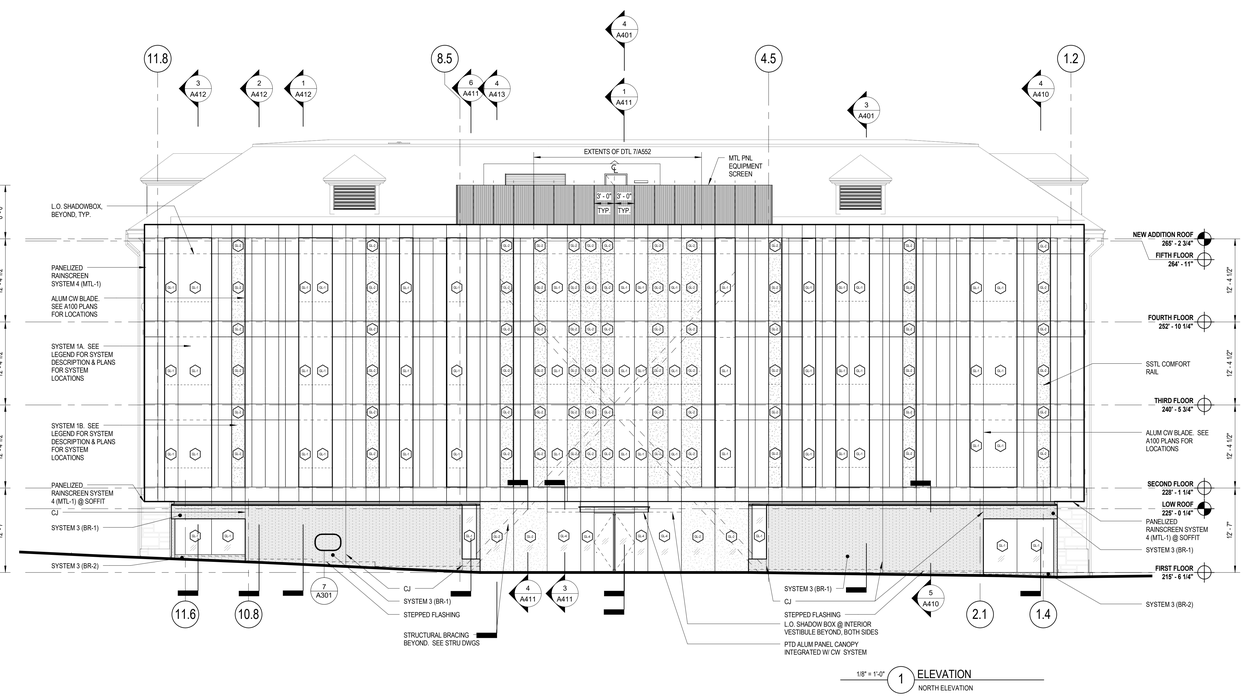


1/8" = 1'-0" 2 ELEVATION
SOUTH ELEVATION



1/8" = 1'-0" 5 ELEVATION
SOUTHEAST PARTIAL ELEVATION

1/8" = 1'-0" 4 ELEVATION
WEST ELEVATION



1/8" = 1'-0" 3 ELEVATION
EAST ELEVATION

1/8" = 1'-0" 1 ELEVATION
NORTH ELEVATION

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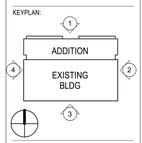

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DRAWING ISSUE

PROJECT: 15085.11

SCALE: As indicated

ARCHITECTURE

TITLE:

ELEVATIONS - NEW ADDITION

NUMBER:

A301

DOOR & FRAME NOTES

1. ALL DOOR GLASS TYPES ARE G-01, UNLESS NOTED OTHERWISE

2. ALL DEMOUNTABLE PARTITION FRAMES TO HAVE CUSTOM COLOR / FINISH TO MATCH CURTAINWALL

3. SEE DOOR SCHEDULE FOR DOORS WITH LARGER THAN TYPICAL UNDERCUTS.

4. ALL ALUM FRAMES PART OF DEMOUNTABLE PARTITION SYSTEM

Door Schedule

Door Number	Room	Door Panel Type	Door Panel Type (Minor)	Door Glass Type	Door Panel Material	Panel Width	Panel Width (Minor)	Panel Height	Door Panel Finish	Door Frame Type	Door Frame Material	Door Fire Rating	Door Hardware	Comments
FIRST FLOOR														
1C2.1	CORRIDOR	H	H		HM	4' - 0"	4' - 0"	9' - 0"	PTD	F7	HM	90 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
1C2.2	CORRIDOR	B	B	G-01	HM	3' - 1"	3' - 1"	7' - 10 1/2"	PTD	F1	HM		02	CR, FULL-LENGTH/CONTINUOUS ROTON HINGE
1C3.1	CORRIDOR	B	B	GR-01	HM	2' - 11"	2' - 11"	7' - 10 1/2"	PTD	F1	HM	45 MIN.	03	
1C3.2	CORRIDOR	B	B	G-01	HM	3' - 1"	3' - 1"	7' - 0 1/2"	PTD	F1	HM		02	CR, FULL-LENGTH/CONTINUOUS ROTON HINGE
1E1	ELEC RM	A	A		HM	3' - 0"	3' - 0"	7' - 10 1/2"	PTD	F1	HM	90 MIN.	04	LHR Active, RHR Inactive with 180° swing
1E2	UPS CLOSET	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	05	
1E3	ELEC	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	06	
1J1	JANITORIAL / STORAGE	A	A		HM	3' - 0"	1' - 6"	7' - 10 1/2"	PTD	F1	HM		07	
1M1	ELEC VESTIBULE	A	A		HM	3' - 0"	1' - 6"	7' - 10 1/2"	PTD	F1	HM	90 MIN.	08	
1M2	MECHANICAL/ SERVICE/ STORAGE	A	A		HM	3' - 0"	1' - 6"	7' - 10 1/2"	PTD	F1	HM		09	
1S1.1	STAIR #1	A	A		HM	4' - 0"	4' - 0"	8' - 6"	PTD		HM	45 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
1S2	STAIR #2	B		GR-01	HM	3' - 0"		7' - 10 1/2"	PTD	F2	HM	45 MIN.	10	
1S3.1	STAIR #3	B		GR-02	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	11	
1S3.2	STAIR #3	A			HM	3' - 0"		6' - 10 1/2"	PTD	F1	HM	90 MIN.	12	
1S3.3	STAIR #3	A			HM	3' - 0"		6' - 10 1/2"	PTD	F1	HM	90 MIN.	13	
1T1	MEN'S	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		14	
1T2	WOMEN'S	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		14	
1T3	GN TOILET	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		15	
1TC1	TELE/DATA	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	06	
1V1.1	VESTIBULE	D	D		GL	3' - 0"	3' - 0"	9' - 0"			ALUM		16	CR, ONE LEAF AUTOMATIC
1V1.2	VESTIBULE	D	D		GL	3' - 0"	3' - 0"	9' - 0"			ALUM		17	ONE LEAF AUTOMATIC
1V1A.1	VESTIBULE	A			HM	3' - 0"		6' - 10 1/2"	PTD	F1	HM	45 MIN.	18	
1V1A.2	VESTIBULE	A			HM	3' - 0"		6' - 10 1/2"	PTD	F1	HM	90 MIN.	19	
110	CLASSROOM (60)	B		GR-01	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	45 MIN.	20	CR
115	SERVICE/ STORAGE	A	A		HM	3' - 0"	1' - 6"	7' - 10 1/2"	PTD	F1	HM		21	
120	MATERIALS LAB	B	B	G-01	HM	3' - 0"	3' - 0"	7' - 10 1/2"	PTD	F1	HM		22	CR
130	TECH OFFICE	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR, 1" DOOR UNDERCUT
130A.1	SUPPORT	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		24	
130A.2	MATERIALS LAB	A	A		HM	3' - 0"	1' - 6"	7' - 10 1/2"	PTD	F1	HM		34	
160.1	LAB CLASSROOM	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR
160.2	LAB CLASSROOM	B			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		25	
170	GEOMATICS LAB	A	A		HM	3' - 0"	1' - 6"	7' - 10 1/2"	PTD	F1	HM		26	CR
180	MATERIAL TESTING	B	B	G-01	HM	3' - 0"	3' - 0"	7' - 10 1/2"	PTD	F1	HM		22	CR
190	CLASSROOM (60)	B		GR-01	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	45 MIN.	20	CR
ENTRY LANDING														
1S1.2	STAIR #1	*	*		WD/GL	3' - 1 1/4"	3' - 1 1/4"	8' - 0"	PTD		WD		27	WHITE BRONZE PULLS, 2 1/4" DOOR PANEL THICKNESS, FULL-LENGTH/CONTINUOUS ROTON HINGE, * SEE ELEVATION ON A302
KIRK HALL - FIRST FLOOR														
103A	ASPHALT LAB	B	B	G-01	HM	3' - 0"	3' - 0"	7' - 10 1/2"	PTD	F1	HM		22	CR
1M3	MECHANICAL	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		35	
SECOND FLOOR														
2C1	CIRCULATION	H			HM	3' - 0"		9' - 0"	PTD	F9	HM	90 MIN.	28	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
2C2	CIRCULATION	H	H		HM	4' - 0"	4' - 0"	9' - 0"	PTD	F7	HM	90 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
2C3	CIRCULATION	H	H		HM	3' - 6"	3' - 6"	9' - 0"	PTD	F8	HM	90 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
2E1	ELEC	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	06	
2S1	STAIR #1	H	H		HM	4' - 0"	4' - 0"	9' - 0"	PTD	F8	HM	45 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
2S2	STAIR #2	B		GR-01	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	45 MIN.	11	
2S3	STAIR #3	B		GR-02	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	11	
2T1	MENS	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		14	
2T2	WOMENS	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		14	
2TC1	TELE/DATA	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	06	
210.1	CLASSROOM (48)	B		GR-02	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	36	CR
210.2	CLASSROOM (48)	A	A		HM	3' - 0"	3' - 0"	7' - 10 1/2"	PTD	F1	HM	90 MIN.	54	CR
212	TEAM ROOM MEETING	C		G-01	ALUM/GL	3' - 0"		8' - 10 1/2"	PTD	F6	ALUM		29	CR, 1" DOOR UNDERCUT
214	TEAM ROOM MEETING	C		G-01	ALUM/GL	3' - 0"		8' - 10 1/2"	PTD	F6	ALUM		29	CR, 1" DOOR UNDERCUT
216	TEAM ROOM MEETING	C		G-01	ALUM/GL	3' - 0"		8' - 10 1/2"	PTD	F6	ALUM		29	CR, 1" DOOR UNDERCUT
220	SMART LAB	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		30	CR
240.1	CLASSROOM (48)	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR
240.2	CLASSROOM (48)	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	
260.1	CLASSROOM (48)	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	
260.2	CLASSROOM (48)	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR
270A	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		31	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270B	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		32	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270C	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		32	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270D	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		32	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270E	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		32	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270F	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		33	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270G	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		31	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270H	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		32	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270I	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		32	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270K	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		32	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270L	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		32	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
270M	STUD ORG	A			PLYWD	3' - 0"		6' - 8"	PTD		PLYWD		33	FINISH GRADE PLYWOOD DOOR W/ PIVOT HINGES AND SURFACE MOUNTED BOLTS
280	MECHATRONICS	B	B	G-01	WD	3' - 0"	1' - 6"	7' - 10 1/2"	PTD	F1	HM		38	CR
282	TEAM MEETING ROOM	C		G-01	ALUM/GL	3' - 0"		8' - 10 1/2"	PTD	F6	ALUM		29	CR, 1" DOOR UNDERCUT
284	TEAM MEETING ROOM	C		G-01	ALUM/GL	3' - 0"		8' - 10 1/2"	PTD	F6	ALUM		29	CR
290.1	CLASSROOM (48)	B		GR-02	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	36	CR
290.2	CLASSROOM (48)	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	37	CR
THIRD FLOOR														
3C1	CIRCULATION	H	H		HM	4' - 0"	4' - 0"	9' - 0"	PTD	F7	HM	90 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
3C2	CIRCULATION	H	H		HM	4' - 0"	4' - 0"	9' - 0"	PTD	F7	HM	90 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
3E1	ELEC	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	06	
3I1	CIRCULATION	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		39	
3S1	STAIR #1	H	H		HM	4' - 0"	4' - 0"	9' - 0"	PTD	F8	HM	45 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
3S2	STAIR #2	B		GR-01	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	45 MIN.	11	
3S3	STAIR #3	B		GR-02	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	11	
3T1	MENS	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		14	
3T2	WOMENS	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		14	
3T3	MOTHER'S ROOM	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		15	
3TC1	TELE/DATA	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	06	
300.1	CONFERENCE ROOM	C		G-01	ALUM/GL	3' - 0"		8' - 10 1/2"	PTD	F6	ALUM		29	CR
300.2	CONFERENCE ROOM	C		G-01	ALUM/GL	3' - 0"		8' - 10 1/2"	PTD	F6	ALUM		29	
300A	STORAGE	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		41	
308	CONTROLS / FIELDS LAB	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		30	CR
310	STUDY ROOM	A			WD	3' - 0"		7' - 10 1/2"	PTD	F1	HM		23	CR
312	CIRCULATION	C		G-01	WD/GL	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR
320	CIRCUITS LAB	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR
322	TEACHING LAB SUPPORT	A			WD	3' - 0"		7' - 10 1/2"	PTD	F1	HM		35	
340	COMPUTER LAB ENG	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR
360	COMPUTER LAB	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR
362	TEACHING LAB SUPPORT	A			WD	3' - 0"		7' - 10 1/2"	PTD	F1	HM		35	
370	STORAGE	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		40	
380	ELECTRONICS LAB	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR
382	ADV ELECTRONIC DESIGN LAB	C		G-01	WD/GL	3' - 0"		7' - 10 1/2"	PTD	F5	HM		23	CR
390	FACULTY TOUCHDOWN	B		G-01	WD	3' - 0"		7' - 10 1/2"	PTD	F1	HM		23	CR
392	SIGNAL PROCESSING	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		30	CR
FOURTH FLOOR														
4C2	CIRCULATION	H	H		HM	4' - 0"	4' - 0"	9' - 0"	PTD	F7	HM	90 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
4E1	ELEC	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	06	
4S1	STAIR #1	H	H		HM	4' - 0"	4' - 0"	9' - 0"	PTD	F8	HM	45 MIN.	01	PROVIDE HOLD-OPEN HARDWARE AND WIRING AND INTEGRATED, FLUSH PANIC BARS
4S2	STAIR #2	B		GR-01	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	45 MIN.	11	
4S3	STAIR #3	B		GR-02	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	11	
4T1	MENS	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		14	
4T2	WOMENS	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		14	
4TC1	TELE/DATA	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	90 MIN.	06	
400.1	CONFERENCE ROOM	C		G-01	ALUM/GL	3' - 0"		8' - 10 1/2"	PTD	F6	ALUM		29	CR
400.2	CONFERENCE ROOM	C		G-01	ALUM/GL	3' - 0"		8' - 10 1/2"	PTD	F6	ALUM		29	
400A	STORAGE	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM		49	
400B	ELEVATOR ELECTRICAL CLOSET	A	A		HM	3' - 0"	3' - 0"	7' - 10 1/2"	PTD	F1	HM	45 MIN.	55	
410	DEAN'S CONFERENCE ROOM	C		G-01	ALUM/GL	3' - 0"		7' - 10 1/2"	PTD	F6	ALUM		45	CR
410A	STORAGE & PREP	A	A		WD	2' - 6"	2' - 6"	7' - 10 1/2"	PTD	F1	HM		48	
420.1	STUDENT AFFAIRS	C	C	G-01	ALUM/GL	3' - 0"	3' - 0"	8' - 10 1/2"	PTD	F6	ALUM		44	CR, BEVELED EDGES
420.2	STUDENT AFFAIRS	A	A		HM	3' - 4"	3' - 4"	7' - 10 1/2"	PTD	F1	HM	90 MIN.	47	
420A	DIVERSITY SUITE	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
420D	STUDENT AFFAIRS	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		24	1" DOOR UNDERCUT
420E	FACULTY IN RESIDENCE	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
420F	ASST DEAN OF STUDENT AFFAIRS	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
420K	COORDINATOR & INTERNSHIP	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
420L	IEP ADMINISTER	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
420M	MEETING ROOM	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		24	
480.1	OPEN OFFICE	C	C	G-01	ALUM/GL	3' - 0"	3' - 0"	8' - 10 1/2"	PTD	F6	ALUM		44	CR
480.2	OPEN OFFICE	B	B	GR-02	HM	3' - 4"	3' - 4"	7' - 10 1/2"	PTD	F1	HM	90 MIN.	47	
480A	SRGA POST AWARD	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
480B	ASSISTANT BUSINESS MANAGER	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
480C	BUSINESS MANAGER	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
480H	ASSOCIATE DEAN OF RESEARCH	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
480I	SRGA PRE AWARD	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
480K	MARKETING	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
480L	MARKETING	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
480M	DEVELOPMENT OFFICER 2	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
480N	DEVELOPMENT OFFICER 1	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
480Q	COPY / WORKROOM	A			WD	3' - 0"		7' - 10 1/2"	PTD	F1	HM		46	
490.1	RECEPTION	C		G-01	ALUM/GL	3' - 0"		7' - 10 1/2"	PTD	F6	ALUM		45	CR
490A	STORAGE	A			WD	3' - 0"		7' - 10 1/2"	PTD	F1	HM		41	
490B	DEAN'S OFFICE	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	
490C	ASSISTANT TO THE DEAN	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		42	1" DOOR UNDERCUT
490D	ASSOCIATE DEAN OF ACADEMICS	A			WD	3' - 0"		7' - 10 1/2"	PTD	F5	HM		43	1" DOOR UNDERCUT
FIFTH FLOOR														
5M1	MECHANICAL	A			HM	3' - 0"		7' - 10 1/2"	PTD	F1A	HM		53	FOUR SIDED DOOR FRAME
5S1.1	STAIR # 1	B	B	GR-01	HM	3' - 0"	3' - 0"	7' - 10 1/2"	PTD	F1	HM	45 MIN.	50	
5S1.2	STAIR # 1 VESTIBULE	B	B	GR-01	HM	3' - 0"	3' - 0"	7' - 10 1/2"	PTD	F1	HM	45 MIN.	51	
5S2.1	STAIR # 2	B		GR-01	HM	3' - 0"		7' - 0"	PTD	F1	HM	45 MIN.	52	DOOR & FRAME TO MATCH EXISTING OPENING V.I.F.
5S2.2	STAIR # 2 VESTIBULE	B		GR-01	HM	3' - 0"		7' - 10 1/2"	PTD	F1	HM	45 MIN.	51	
RF001	ADDITION ROOF	*			*	3' - 2"					*			*CORRUGATED PANEL ON MTL FRAME, SEE A500 DETAILS

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

BALLINGER

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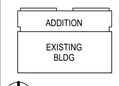
CONSULTANTS:

KEYPLAN:



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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11

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

ARCHITECTURE

TITLE:

DOOR SCHEDULE

NUMBER:

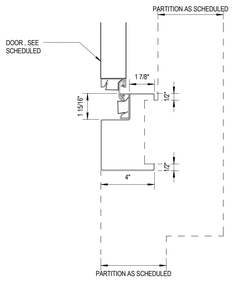
A601

DOOR & FRAME NOTES

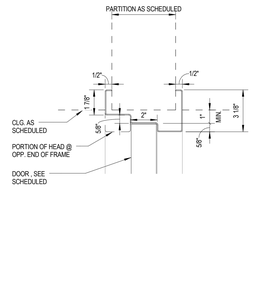
1. ALL DOOR GLASS TYPES ARE G-01, UNLESS NOTED OTHERWISE
2. ALL DEMOUNTABLE PARTITION FRAMES TO HAVE CUSTOM COLOR / FINISH TO MATCH CURTAINWALL
3. SEE DOOR SCHEDULE FOR DOORS WITH LARGER THAN TYPICAL UNDERCUTS.
4. ALL ALUM FRAMES PART OF DEMOUNTABLE PARTITION SYSTEM

INTERIOR GLASS TYPES

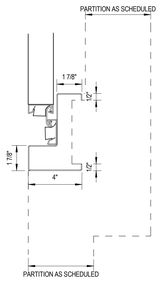
MONOLITHIC GLASS TYPES		FIRE-RATED GLASS TYPES	
G-01	1/4" TEMPERED CLEAR GLASS	GR-01	FIRE-RATED GLASS @ 45 MIN. SEE SPECIFICATIONS
G-02	1/2" TEMPERED CLEAR GLASS	GR-02	FIRE-RATED GLASS @ 90 MIN. SEE SPECIFICATIONS
G-03	1/2" TEMPERED CLEAR GLASS W/ ACID ETCH FINISH (B.O.D. McGRORY BA-1042)		



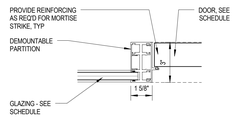
J13
HOLD OPEN DOOR JAMB @ HINGE



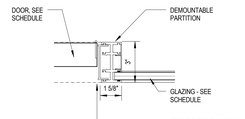
H11
DOUBLE EGRESS HOLD OPEN DOOR HEAD



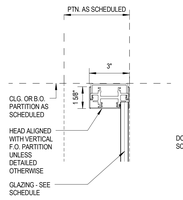
J12
DOUBLE EGRESS HOLD OPEN DOOR JAMB



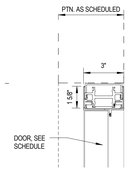
J7
DEMOUNTABLE PARTITION DOOR JAMB @ STRIKE



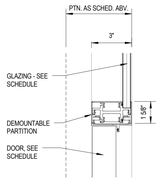
J6
DEMOUNTABLE PARTITION DOOR JAMB @ HINGE



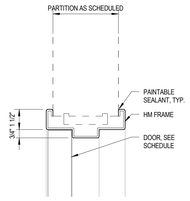
H7
DEMOUNTABLE PARTITION HEAD @ CLG.



H6
DEMOUNTABLE PARTITION HEAD @ CLG.

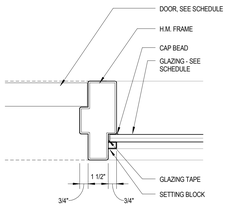


H4
DEMOUNTABLE PARTITION @ DOOR HEAD

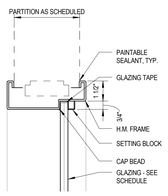


H1/J1
H.M. FRAME @ GWB

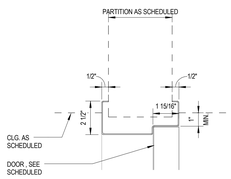
HEAD AND JAMB TYPES



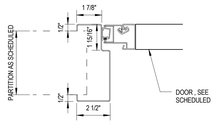
J16
H.M. FRAME DOOR W/ GLASS LITE @ STRIKE



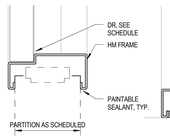
H15/J15
H.M. FRAME GLASS LITE @ GWB



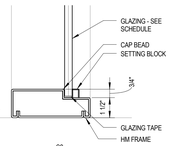
H12
HOLD OPEN DOOR HEAD



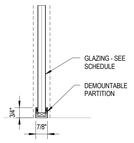
J14
HOLD OPEN DOOR JAMB @ STRIKE



S3
H.M. FRAME SILL @ EXTERIOR PARTITION

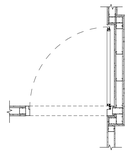


S2
H.M. FRAME SILL @ GLAZING

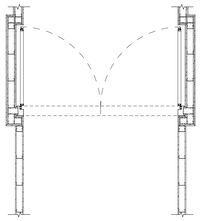


S1
DEMOUNTABLE PARTITION SILL

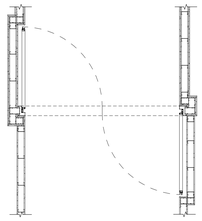
SILL TYPES



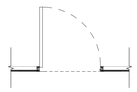
SEE A800 PLAN DETAILS

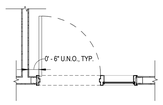


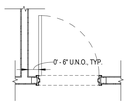
SEE A800 PLAN DETAILS

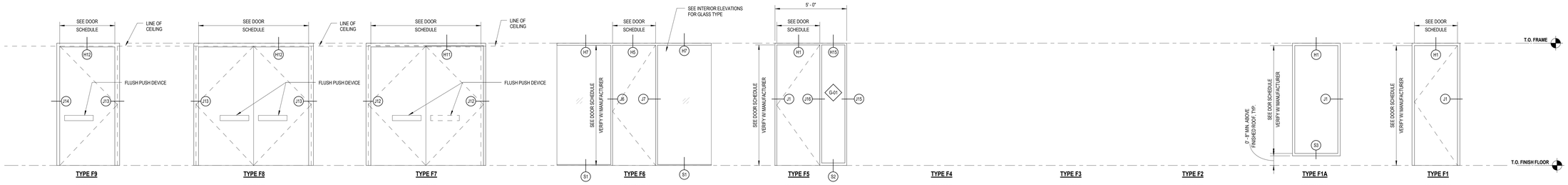


SEE A800 PLAN DETAILS









TYPE F9
HM FRAME SINGLE DOOR HOLD OPEN

TYPE F8
HM FRAME DOUBLE DOOR HOLD OPEN

TYPE F7
HM FRAME DOUBLE EGRESS HOLD OPEN

TYPE F6
ALUM FRAME @ IGS PARTITION

SEE GENERAL DOOR & FRAME NOTE 4

TYPE F5
HM FRAME W/ GLASS LITE

TYPE F4
NOT USED

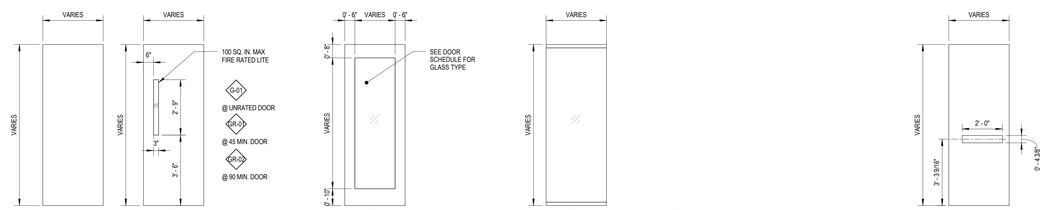
TYPE F3
NOT USED

TYPE F2
NOT USED

TYPE F1A
HM FRAME @ EXTERIOR PARTITION

TYPE F1
HM FRAME @ PARTITION

FRAME TYPES



A
SOLID PANEL

B
NARROW LITE

C
FULL LITE

D
FRAMELESS GLASS

E
NOT USED

F
NOT USED

G
NOT USED

H
HOLD OPEN

DOOR PANEL TYPES

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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ADDITION

EXISTING BLDG

SEAL:

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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11

SCALE: As indicated

ARCHITECTURE

TITLE:

DOOR DETAILS & INTERIOR GLASS SCHEDULE

NUMBER:

A602

ABBREVIATIONS

@	AT
A	AMPERE
ABV.	ABOVE
AE.	AERIAL ELECTRIC
AF	AMP FRAME
A.F.C.	ABOVE FINISHED CEILING
A.F.F.	ABOVE FINISHED FLOOR
A.I.C.	AMPERE INTERRUPTING CAPACITY
A.W.C.	AMPERE WITHSTAND CAPACITY
Al.	ALUMINUM
ALT.	ALTERNATE
AM	AMMETER
AMP.	AMPERE
ANNUN.	ANNUNCIATOR
ANT.	ANTENNA
A.S.	AMMETER SWITCH
A.T.	AMP TRIP
A.T.C.	AUTOMATIC TEMPERATURE CONTROL
A.T.S.	AUTOMATIC TRANSFER SWITCH
AUX.	AUXILIARY
B.D.	BUS DUCT
B.I.L.	BASIC IMPULSE LEVEL
BKBD.	BACKBOARD
BKR.	BREAKER
BLDG.	BUILDING
BSMT.	BASEMENT
C.	CONDUIT
CAB.	CABINET
C/B	CIRCUIT BREAKER
CBL.	CABLE
CDT.	CONDUIT
CKT.	CIRCUIT
CLG.	CEILING
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
C.T.	CURRENT TRANSFORMER
CU.	COPPER
DEMO.	DEMOLITION
D.C.	DIRECT CURRENT
DIA.	DIAMETER
DIC.	DICTATION
DISC.	DISCONNECT
DIST.	DISTRIBUTION
DWG.	DRAWING
E	EMERGENCY
EA.	EACH
E.C.	ELECTRICAL CONTRACTOR
EHH.	ELECTRICAL HANDHOLE
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMERG.	EMERGENCY
EMH.	ELECTRICAL MANHOLE
EMT	ELECTRICAL METALLIC TUBING
ENCL.	ENCLOSURE
E.O.	ELECTRICALLY OPERATED
E.R.	EXISTING RELOCATED
EQUIP.	EQUIPMENT
E.W.C.	ELECTRIC WATER COOLER
(E)	EXISTING TO REMAIN
F.	FUSE(D)
F/A	FIRE ALARM
F.A.T.B	FIRE ALARM TERMINAL BOX
F.B.O.	FURNISHED BY OWNER
FDR.	FEEDER
F.H.C.	FIRE HOSE CABINET
F.I.	FILM ILLUMINATOR
FL.	FLOOR
FLUOR.	FLUORESCENT
F.S.	FLOW SWITCH
FSD	FIRE SMOKE DAMPER
FUT.	FUTURE
GA.	GAUGE
G.C.	GENERAL CONTRACTOR
G.F.I.	GROUND FAULT INTERRUPTER
G.F.S.C.	GROUND FAULT SENSING RELAY COIL
GND.	GROUND
HH.	HANDHOLE
H.I.D.	HIGH INTENSITY DISCHARGE
HORZ.	HORIZONTAL
H.P.	HORSEPOWER
HT.	HEIGHT
H.V.	HIGH VOLTAGE
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HWP	HOSPITAL GRADE RECEPTACLE WITH WEATHER PROOF COVER
ILL.	ILLUMINATION
IMC	INTERMEDIATE METAL CONDUIT
J.B.	JUNCTION BOX
KVA.	KILOVOLT AMPERE
KW.	KILOWATT
KWH.	KILOWATT HOUR
L.A.	LIGHTNING ARRESTER
LP	LIGHTNING PROTECTION
L.I.M.	LINE ISOLATION MONITOR
LSIG*	LONG,SHORT,INSTATANIUS TIME & GROUND FAULT PICKUP.
L.S.	LIMIT SWITCH
LT.	LIGHT
LTG.	LIGHTING
L.V.	LOW VOLTAGE
MC	METAL-CLAD (CABLE)
M.C.B.	MAIN CIRCUIT BREAKER
M.C.C.	MOTOR CONTROL CENTER
M.C.P.	MOTOR CONTROL PROTECTOR
MFR.	MANUFACTURER
MH.	ELECTRICAL/TELECOMMUNICATION MANHOLE
MIN.	MINIMUM
M.L.O.	MAIN LUGS ONLY
M.O.	MECHANICALLY OPERATED
M.S.P.	MOTOR STARTER PANEL
MTD.	MOUNTED
M.T.S.	MANUAL TRANSFER SWITCH
N.C.	NORMALLY CLOSED
N.I.C.	NOT IN CONTRACT
N.O.	NORMALLY OPEN
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.C.B.	OIL CIRCUIT BREAKER
O.C.P.	OVERCURRENT PROTECTION
O.S.&Y.	OPEN STEM AND YOKE
P.	POLE
PB	PULL BOX
P.C.	PLUMBING CONTRACTOR
P.F.	POWER FACTOR
PH.	PHASE
P.L.	PILOT LIGHT
PNL.	PANEL
PRI.	PRIMARY
P.S.	PULL STATION
P.S.I.	POUNDS PER SQUARE INCH
P.T.	POTENTIAL TRANSFORMER
PWR.	POWER
RCVR	RECEIVER
RE	REMOVE EXISTING
REC.	RECEPTACLE
REF	REFERENCE
REQ.	REQUIRED
SEC.	SECONDARY
SPEC.	SPECIFICATION
SS.	SUBSTATION
S.T.	SHUNT TRIP
STD.	STANDARD
STR.	STARTER
SW.	SWITCH
SWGR.	SWITCHGEAR
SYS.	SYSTEM
TEL.	TELEPHONE
TEMP.	TEMPERATURE
THH.	TELEPHONE HAND HOLE
TMH.	TELEPHONE MANHOLE
TP.	TAMPERPROOF
TV.	TELEVISION
TYP.	TYPICAL
U.C.	UNDERCOUNTER
U.E.	UNDERGROUND ELECTRIC
U/F	UNFUSED
U.L.	UNDERWRITER'S LABORATORY
U.O.N.	UNLESS OTHERWISE NOTED
UPS	UNITERRUPTIBLE POWER SUPPLY
U.R.I.	UNIVERSITY OF RHODE ISLAND
U.T.	UNDERGROUND TELEPHONE
U.V.	UNDER VOLTAGE
V.	UNDERWRITERS' LABORATORY
VERT.	UNDERGROUND TELEPHONE
VM	VOLTMETER
VS	VOLTMETER SWITCH
W	WATT
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFR	TRANSFER
XMTR	TRANSMITTER
XPDR	TRANSPONDER
XP	EXPLOSION PROOF
Ø	PHASE

GENERAL NOTES

1. THIS IS A STANDARD SYMBOL LIST. ALL DEVICE SYMBOLS AND ABBREVIATIONS MAY NOT NECESSARILY APPEAR ON THE FLOOR PLANS OR DETAIL SHEET. ONLY THOSE SYMBOLS INDICATED ON THE FLOOR PLANS ARE USED FOR THIS PROJECT. ALL OTHERS ARE TO BE CONSIDERED NOT USED AND SHOULD BE DISREGARDED.
2. REFER TO DIVISION 26 SPECIFICATIONS SECTIONS.
3. DIMENSIONS MARKED "+/-" ARE TO BE VERIFIED IN THE FIELD. THOSE MARKED N.T.S. ARE SHOWN NOT TO SCALE, ALL OTHERS ASSUMED TO BE CORRECT AND SHOULD BE CHECKED WITH OTHER TRADE DRAWINGS AND VERIFIED BY THE CONTRACTOR.
4. FOR EXACT LOCATION OF REMOVABLE PARTITIONS, FOR MOUNTING HEIGHT OF UNDER-COUNTER LIGHTING FIXTURES AND OTHER TASK LIGHTING, REFER TO ARCHITECTURAL DRAWINGS.
5. CONTRACTOR SHALL VERIFY ALL DOOR SWINGS BEFORE INSTALLING SWITCH BOXES. FOR EXACT LOCATION OF LIGHTING FIXTURES SEE REFLECTED CEILING PLAN DRAWINGS.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF SUSPENDED LIGHTING FIXTURES IN MECHANICAL AND STORAGE AREAS WITH OTHER TRADES.
7. FOR EXACT LOCATION AND RATING OF MECHANICAL EQUIPMENT (AC UNITS, FANS, PUMPS, ETC.) REFER TO RESPECTIVE TRADES DRAWINGS.
8. REFER TO HEATING, VENTILATING, AIR CONDITIONING AND PLUMBING SECTIONS OF SPECIFICATIONS FOR REQUIRED CONTROL WIRING OF MECHANICAL EQUIPMENT.
9. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EXPANSION FITTINGS IN ALL RACEWAYS CROSSING CONSTRUCTION OR EXPANSION JOINTS, REFER TO STRUCTURAL DRAWINGS FOR LOCATION OF JOINTS.
10. UNLESS INDICATED OTHERWISE ALL PANELS, CABINETS, AND THE LIKE, IN ELECTRIC CLOSETS OR EQUIPMENT ROOMS SHALL BE MOUNTED ON STRUCTURAL CHANNEL FRAMING AND FRAMED FLOOR-TO-CEILING AS REQUIRED, STRUCTURAL SLAB-TO-SLAB.
11. WIRE AND CONDUIT SIZE IN SCHEDULES AND AS SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY. THE ELECTRICAL CONTRACTOR MAY INSTALL MULTIPLE CIRCUITS IN A SINGLE RACEWAY WHERE PRACTICABLE. PROVIDE WIRE AND CONDUIT SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
12. ALL ITEMS REMOVED SHALL BECOME PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS PER THE OWNER'S INSTRUCTIONS, UNLESS INDICATED OTHERWISE. ALL ITEMS WHICH ARE NOT TO BE STORED ON SITE BY OWNER SHALL BE REMOVED FROM THE BUILDING IMMEDIATELY, AT CONTRACTORS EXPENSE.
13. USE OF THE OWNER'S ELEVATORS AND BUILDING CORRIDORS FOR HANDLING OF THE REMOVED EQUIPMENT AND MATERIALS SHALL BE AT THE DIRECTION OF THE OWNER AND SHALL BE COORDINATED WITH HIS OPERATIONS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF HIS OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES AGAINST FIRE, THEFT AND ENVIRONMENTAL CONDITIONS.
15. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL."
16. ALL CIRCUITS SHALL BE PROVIDED WITH A SEPARATE NEUTRAL CONDUCTOR. SHARED NEUTRAL CONDUCTORS SHALL NOT BE PERMITTED
17. HORIZONTAL CROSS RUNS OF CONDUIT AND/OR CABLE IN PARTITIONS SHALL NOT BE PERMITTED, UNLESS ALLOWED IN SPECIFIC INSTANCES, BY THE ENGINEER.

PANELBOARD NAME CONVENTIONS

EL-LP-2 -1

MULTIPLE PANELBOARD DESIGNATION (AS REQUIRED)

BUILDING FLOOR NUMBER
- 1: FIRST FLOOR
- 2: SECOND FLOOR
- 3: THIRD FLOOR
- 4: FOURTH FLOOR
- 5: FIFTH FLOOR

PANELBOARD TYPE
- LP: LIGHTING PANEL
- RP: POWER AND/OR RECEPTACLE PANEL
- DP: DISTRIBUTION PANEL
- MDP: MAIN DISTRIBUTION PANEL
- LCP: LIGHTING CONTROL PANEL

PANELBOARD PREFIX (IF REQUIRED)
(IF PREFIX NOT PRESENT,
PANEL TYPE IS NORMAL POWER)

- E: EMERGENCY POWER
- EOS: EMERGENCY OPTIONAL STANDBY (PORTABLE GENERATOR)

FLOORBOX / POKETHRU SCHEDULE

TYPE		GANG QUANTITY					LEGRAND
		POWER	DATA	A/V	BLANK	TOTAL	WIREMOLD SERIES
FO	2E	2	1	5	2	10	EFB10S
P	1A	1	0	0	2	3	6AT
	2A	2	0	0	1	3	6AT
	2B	2	1	0	0	3	6AT
	2E	2	1	2	0	5	8AT
	2ET	2	1	2	0	5	8AT
	3B	3	1	0	4	8	10AT
	3BT	3	1	0	4	8	10AT
	F	1	1	0	0	2	6AT FURNITURE FEED
NOTES:							
ALL FLOORBOXES ARE ON GRADE							
SUFFIX "-T" INDICATES DATA/AV PASSTHROUGH IN LEIU OF TERMINATION							
REFER TO A/V DRAWINGS FOR PATHWAYS TO BE PROVIDED BY E.C.							

MOUNTING HEIGHTS

9" BELOW FINISH CEILING	WALL-MOUNTED CLOCKS, PROGRAM BELLS, FIRE ALARM GONGS AND ILLUMINATED FIRE SIGNALS (OR AS SHOWN ON ARCHITECTURAL DETAILS).
10'-0"	BATTERY LIGHTING UNITS AND REMOTE WALL MOUNTED LIGHT HEADS (OR 1'-0" BELOW FINISHED CEILING TO TOP OF UNIT).
8'-6"	PENDANT-HUNG INDUSTRIAL AND STRIP LIGHTING FIXTURES.
CENTERED ABOVE DOOR OR WINDOW OPENING	WARNING AND SIGNALING FIXTURES/SIGNS.
7'-6"	OR 6" BELOW FINISHED CEILING WHICHEVER IS LOWER. AUDIBLE FIRE ALARM SIGNAL DEVICES.
6'-8"	OR 6" BELOW FINISHED CEILING WHICHEVER IS LOWER. VISUAL FIRE ALARM SIGNAL DEVICES AND COMBINATION AUDIBLE/VISUAL FIRE ALARM SIGNALS.
6'-6"	TOP OF FLUSH AND SURFACE MOUNTED ELECTRICAL LIGHTING OR POWER PANELBOARDS AND TELEPHONE CABINETS.
6'-3"	TOP OF BACK-MOUNTED WALL EXIT FIXTURES (NOT MOUNTED ABOVE DOORS).
6'-0"	TOP OF HIGHEST ELECTRICAL SAFETY DISCONNECT SWITCHES, MAGNETIC STARTERS, CONTACTORS.
4'-6"	WALL-MOUNTED TELEPHONES, PAY STATIONS (3'-6" AT HANDICAP LOCATIONS) AND TOILET ROOM RECEPTACLES.
4'-0"	WALL MOUNTED ELECTRICAL DEVICE LIGHTING SWITCHES, MANUAL MOTOR STARTERS, THERMOSTATS, FIRE ALARM PULL STATIONS, CARD READERS, AND WIREMOLD
3'-6"	ELECTRICAL RECEPTACLES TELEPHONE OUTLETS
2'-0"	ELECTRICAL RECEPTACLES WITHIN MECHANICAL SPACES, ELECTRICAL AND ELEVATOR ROOMS.
18"	ELECTRICAL RECEPTACLES TELEPHONE OUTLETS TELEVISION OUTLETS COMPUTER OUTLETS
00"	FINISHED FLOOR

MOUNTING HEIGHT NOTES:

1. MOUNTING HEIGHTS TO CENTER OF OUTLETS UNLESS OTHERWISE NOTED. IN MASONRY CONSTRUCTION THE ABOVE MOUNTING HEIGHTS SHALL BE USED FOR REFERENCE TO NEAREST BLOCK OR BRICK COURSING.
2. THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE ON THE DRAWING OR SPECIFICATIONS. ALL DEVICE MOUNTING SHALL BE COORDINATED WITH ARCHITECT'S ELEVATION DRAWINGS.
3. A + BESIDE A DEVICE INDICATES THAT DEVICE IS MOUNTED ABOVE A COUNTER OR CASEWORK. A - BESIDE A DEVICE INDICATES THAT DEVICE IS MOUNTED BELOW COUNTER OR CASEWORK. COORDINATE WITH ARCHITECTURAL DETAILS AND CASEWORK CONTRACTOR.

CIRCUITING NOTES:

1. CONDUCTORS FOR POWER CIRCUITS SHALL BE MINIMUM #12 AWG.
2. WHERE CONDUCTORS RUNS ARE LONG, THEY SHALL BE SIZED FOR VOLTAGE DROP AS FOLLOWS:

2.1. 20-AMP CIRCUITS:
2.1.1. CONDUCTORS FOR 20A POWER CIRCUITS SHALL BE MINIMUM #12 AWG.

2.2. 120V, 1-PHASE, 20A CIRCUITS:
2.2.1. CIRCUITS EXCEEDING 100 LINEAR FEET SHALL BE #10 AWG, MINIMUM.
2.2.2. CIRCUITS EXCEEDING 150 LINEAR FEET SHALL BE #8 AWG, MINIMUM.
2.2.3. CIRCUITS EXCEEDING 250 LINEAR FEET SHALL BE #6 AWG, MINIMUM.

2.3. 208V, 1-PHASE, 20A CIRCUITS:
2.3.1. CIRCUITS EXCEEDING 170 LINEAR FEET SHALL BE #10 AWG, MINIMUM.
2.3.2. CIRCUITS EXCEEDING 275 LINEAR FEET SHALL BE #8 AWG, MINIMUM.
2.3.3. CIRCUITS EXCEEDING 425 LINEAR FEET SHALL BE #6 AWG, MINIMUM.

2.4. 208V, 3-PHASE, 20 CIRCUITS:
2.4.1. CIRCUITS EXCEEDING 200 LINEAR FEET SHALL BE #10 AWG, MINIMUM.
2.4.2. CIRCUITS EXCEEDING 300 LINEAR FEET SHALL BE #8 AWG, MINIMUM.
2.4.3. CIRCUITS EXCEEDING 500 LINEAR FEET SHALL BE #6 AWG, MINIMUM.

2.5. FOR CIRCUITS SERVING MULTIPLE RECEPTACLES WHERE THE CIRCUIT LENGTH BETWEEN THE FIRST ELECTRICAL DEVICE AND THE LAST ELECTRICAL DEVICE IS 18 LINEAR FEET OR LESS, THE INCREASED WIRE SIZE MAY BE INSTALLED FOR THE HOMERUN FROM THE PANELBOARD AND #12 AWG WIRES MAY BE INSTALLED FOR BETWEEN DEVICES.

2.6. 30-AMP CIRCUITS:
2.6.1. CONDUCTORS FOR 30A POWER CIRCUITS SHALL BE MINIMUM #10 AWG.

2.7. 120V, 1-PHASE, 30A CIRCUITS:
2.7.1 CIRCUITS EXCEEDING 100 LINEAR FEET SHALL BE #8 AWG, MINIMUM.
2.7.2. CIRCUITS EXCEEDING 150 LINEAR FEET SHALL BE #6 AWG, MINIMUM.

2.8. 208V, 1-PHASE, 30A CIRCUITS:
2.8.1. CIRCUITS EXCEEDING 175 LINEAR FEET SHALL BE #8 AWG, MINIMUM.
2.8.2. CIRCUITS EXCEEDING 250 LINEAR FEET SHALL BE #6 AWG, MINIMUM.

2.9. 208V, 3-PHASE, 30A CIRCUITS:
2.9.1. CIRCUITS EXCEEDING 200 LINEAR FEET SHALL BE #8 AWG, MINIMUM.
2.9.2. CIRCUITS EXCEEDING 300 LINEAR FEET SHALL BE #6 AWG, MINIMUM.

2.10. 277V, 1-PHASE, 20A CIRCUITS:
2.10.1. CIRCUITS EXCEEDING 165 LINEAR FEET SHALL BE #10 AWG, MINIMUM.
2.10.2. CIRCUITS EXCEEDING 275 LINEAR FEET SHALL BE #8 AWG, MINIMUM.
2.10.3. CIRCUITS EXCEEDING 420 LINEAR FEET SHALL BE #6 AWG, MINIMUM.

2.11. WHERE CIRCUITS ARE RE-SIZED TO COMPENSATE FOR VOLTAGE DROP, ALL PHASE AND NEUTRAL CONDUCTORS SHALL BE RE-SIZED SIMILARLY, AND THE GROUND CONDUCTOR SHALL BE RE-SIZED PER THE REQUIREMENTS OF NEC 250.122 (B).

3. ALL EMERGENCY CIRCUITS SHALL BE INSTALLED IN CONDUIT, IN ACCORDANCE WITH NEC REQUIREMENTS.

ACCESS CONTROL AND CCTV SYMBOLS

CR X	CARD READER W - AD400 LOCKING DEVICE
J	JUNCTION BOX - DOUBLE GANG BOX
PS	POWER SUPPLY
ML	MAGNETIC LOCK
DC	DOOR CONTACT
EL	ELECTRIC LOCKSET
ELR	ELECTRIC LATCH RETRACTION
RX	REQUEST TO EXIT SWITCH
PT	POWER TRANSFER HINGE
HO	MAGNETIC HOLD-OPEN DEVICE - SINGLE GANG BOX
PP	AUTO-OPEN PUSH PLATE - SINGLE GANG BOX
AO	AUTO-OPENER
XXX	DOOR NUMBER
A	3/4" CONDUIT
D	18/2
X-X	CCTV CAMERA X-X = CAMERA ID NUMBER
MS	MOTION SENSOR - SINGLE GANG BOX
LR	EMERGENCY LOCK RELEASE - SINGLE GANG BOX
CX	CHEXIT DEVICE
AI	AUDIO INTERCOM - SINGLE GANG BOX
VI	VIDEO INTERCOM - SINGLE GANG BOX

TELECOM SYMBOLS

- CEILING MOUNTED DATA OUTLET - DOUBLE GANG JUNCTION BOX WITH SINGLE GANG OPENING, FACEPLATE WITH FOUR OPENINGS, AND TWO DATA JACKS.
  - AP - WIRELESS ACCESS POINT
- VOICE/DATA COMBINATION - DOUBLE GANG JUNCTION BOX WITH SINGLE GANG OPENING, AND EMPTY 1-1/4" CONDUIT W/PULLSTRING, SEE SPECIFICATIONS. REFER TO TELECOM DRAWINGS FOR NUMBER OF DATA DROPS REQUIRED AT OUTLET
- DATA - DOUBLE GANG JUNCTION BOX WITH SINGLE GANG OPENING, AND EMPTY 1-1/4" CONDUIT W/PULLSTRING, SEE SPECIFICATIONS. REFER TO TELECOM DRAWINGS FOR NUMBER OF DATA DROPS REQUIRED AT OUTLET
- R: DATA - FACEPLATE WITH GROMMET FOR CABLE PASSTHROUGH TO TERMINATE IN FURNITURE MOUNTED DATA OUTLET.
- X: TELEPHONE - SINGLE GANG JUNCTION BOX WITH SINGLE GANG OPENING, AND EMPTY 3/4" CONDUIT W/PULLSTRING, SEE SPECIFICATIONS
  - PS - PAY STATION
  - W - WALL
  - WP - WEATHER PROOF
  - HP - HANDICAPPED PHONE
- S: STANCHION MOUNTED CAMPUS EMERGENCY TELEPHONE - (2) EMPTY 1" PVC CONDUITS - ONE FOR POWER AND ONE FOR VOICE - W/PULLSTRING.
- PX: POKE THRU TO BE PURCHASED BY ELECTRICAL CONTRACTOR - REFERENCE FLOORBOX/POKE THRU SCHEDULE ON THIS SHEET AND POWER SERIES DRAWINGS FOR TYPE - CABLE QUANTITIES AS NOTED ON FLOOR PLANS
- FBX: FLOORBOX TO BE PURCHASED BY ELECTRICAL CONTRACTOR - REFERENCE FLOOR BOX/POKE THRU SCHEDULE ON THIS SHEET AND POWER SERIES DRAWINGS FOR TYPE - CABLE QUANTITIES AS NOTED ON FLOOR PLANS
- CT: CABLE TRAY - SEE RACEWAY PLANS

FIRE ALARM SYMBOLS

- WALL MOUNTED FIRE EVACUATION SPEAKER
- CEILING MOUNTED FIRE EVACUATION SPEAKER
- FIRE ALARM MANUAL PULL STATION
- FIRE ALARM HORN
- FIRE ALARM HORN/STROBE
- FIRE ALARM STROBE
- FIRE ALARM SIREN
- WALL MOUNTED FIRE EVACUATION SPEAKER AND STROBE
- CEILING MOUNTED FIRE ALARM HORN/STROBE
- F: FIREMEN'S PHONE JACK
- ELECTRIC DOOR HOLDER
- ELECTRONIC PROGRAMMABLE ALARM WITH STROBE
- S: AUTOMATIC DETECTOR
[DETECTOR CONTROL FUNCTION]
  - B - BEAM DETECTOR
  - D - DUCT MOUNTED, SMOKE IONIZATION (INSTALLED BY DIV. 15 CONTRACTOR)
  - F - THERMAL, FIXED TEMPERATURE
  - FR - THERMAL, COMBINATION RATE OF RISE PLUS FIXED TEMPERATURE
  - PE - SMOKE REFRACTION, PHOTO ELECTRIC
  - R - THERMAL, RATE OF RISE
  - S - AREA SMOKE, IONIZATION
- REMOTE ANNUNCIATOR INDICATOR LED
- FS: ALARM INITIATING CONTACT
[CONTACT CONTROL FUNCTION]
  - EP - ELECTRIC PNEUMATIC SWITCH
  - ETL - ELECTRIC THERMAL LINK
  - FS - FLOW SWITCH "ALARM"
  - FA - FIRST AID (HOSE SYSTEM) "ALARM"
  - G - GAS ALARM PANEL
  - GM - GAS MANIFOLD
  - R - REFRIGERATION UNIT
  - OS&Y - ALARM CHECK VALVE "TROUBLE"
  - TS - TAMPER SWITCH "TROUBLE"
- C: FIRE ALARM ADDRESSABLE RELAY
[RELAY FUNCTION]
  - C - CONTROL
  - M - MONITOR
- ED: ELECTRIC DAMPER WITH DIVISION 23 LOCKOUT DISCONNECT
- T: FIRE ALARM TERMINATION BOARD
- FIRE ALARM MASTER BOX
- RAS: RESCUE ASSISTANCE SYSTEM - TWO WAY CALL BOX

AUDIOVISUAL SYSTEMS SYMBOL LEGEND

SYMBOL	DESCRIPTION	BOX TYPE (H" x W" x D")	MOUNTING LOCATION
A1	ANTENNA BOX, FOR ALS	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT 8'-0" AFF
A2	ANTENNA BOX, FOR WIRELESS MICROPHONE	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT 8'-0" AFF
BP	CONTROL PANEL BACK BOX	3-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT SWITCH HEIGHT
CB	CEILING MOUNTED EQUIPMENT ENCLOSURE	FSR CB-22P	FLUSH MOUNT IN CEILING
CP	CONTROL PANEL BACK BOX	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT SWITCH HEIGHT
C1	CAMERA BACK BOX	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT BELOW DISPLAY. SEE AV DRAWINGS FOR MOUNTING HEIGHT.
D1	DISPLAY BACK BOX, TYPE 1	CHIEF PAC526 BACK BOX	FLUSH MOUNT IN WALL AT 5'-6" AFF TO CENTER OF BOX BEHIND DISPLAY
D2	DISPLAY BACK BOX, TYPE 2	CHIEF PAC526 BACK BOX	FLUSH MOUNT IN WALL AT 5'-0" AFF TO CENTER OF BOX BEHIND DISPLAY
D3	DISPLAY BACK BOX, TYPE 3	CHIEF PAC526 BACK BOX	FLUSH MOUNT IN WALL AT 6'-0" AFF TO CENTER OF BOX BEHIND DISPLAY
J1	JUNCTION BOX, 1-GANG	12" x 12" x 4" NEMA 1 ENCLOSURE WITH COVER	FLUSH MOUNT IN WALL AT 2'-0" AFF
J2	JUNCTION BOX, 2-GANG	12" x 12" x 4" NEMA 1 ENCLOSURE WITH COVER	FLUSH MOUNT IN WALL AT 2'-0" AFF
J3	JUNCTION BOX, 3-GANG	12" x 12" x 4" NEMA 1 ENCLOSURE WITH COVER	FLUSH MOUNT IN WALL AT 2'-0" AFF
LV	LOW VOLTAGE MOTOR CONTROLLER	4" SQUARE METAL BOX WITH COVER	RECESSED INTO CEILING AS PART OF PROJECTION SCREEN CASE
M1	CEILING MICROPHONE BOX, TYPE 1	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN CEILING
R1	RECEPTACLE PANEL, TYPE 1	3-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT
R2	RECEPTACLE PANEL, TYPE 2	3-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT RECEPTACLE HEIGHT
R3	RECEPTACLE PANEL, TYPE 3	3-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL ABOVE COUNTER AT 3'-8" AFF
S1	CEILING LOUDSPEAKER, TYPE 1	CONDUIT STUB	CONDUIT STUB TO ABOVE ACCESSIBLE CEILING
S2	WALL MOUNTED LOUDSPEAKER	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT 8'-0" AFF
SS	VIDEO PROJECTION SCREEN SWITCH	1-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT SWITCH HEIGHT
T1	CABLE TROUGH	6" x 6" x 24" METAL TROUGH	MOUNTED AT 78" AFF ABOVE AV EQUIPMENT RACK
TP	TOUCH PANEL	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT SWITCH HEIGHT
V1	VIDEO PROJECTOR CABLING BACK BOX	4" SQUARE METAL BOX WITH COVER	FLUSH MOUNT IN WALL IN VIDEO PROJECTOR NICHE
VP	VIDEO PROJECTOR CABLING BACK BOX	4" SQUARE METAL BOX WITH COVER	FLUSH MOUNT IN CEILING
RS1	DATA DROP FOR ROOM SCHEDULING PANEL ON GLAZING	CRESTRON TSS-752-MUMK MULLION KIT	MOUNT TO WINDOW MULLION AT SWITCH HEIGHT
RS2	DATA DROP FOR ROOM SCHEDULING PANEL ON WALL	2-GANG DEEP METAL BOX WITH COVER	FLUSH MOUNT IN WALL AT SWITCH HEIGHT

LIGHTING SYMBOLS

LIGHTING FIXTURE NOMENCLATURE:
- A1 INDICATES LIGHTING FIXTURE TYPE
- a,b INDICATES SWITCH DESIGNATION
- 1 INDICATES CIRCUIT DESIGNATION
- 1es INDICATES CIRCUIT DESIGNATION ON EMERGENCY POWER
- D#X INDICATES PRIMARY OR SECONDARY SIDELIGHTED AREA AND CARDINAL DIRECTION

- 2 x 2 RECESSED OR SURFACE MOUNTED
- 2 x 4 RECESSED OR SURFACE MOUNTED
- RECESSED SLOT FIXTURE
- PENDANT MOUNTED LINEAR FIXTURE
- WALL MOUNTED LINEAR FIXTURE
- PERIMETER RECESSED LINEAR FIXTURE
- RECESSED DOWNLIGHT FIXTURE
- RECESSED ACCENT LIGHT
- RECESSED WALL WASH
- WALL OR SURFACE MOUNTED FIXTURE
- COVE LIGHTING
- TRACK LIGHTING SYSTEM
- SURFACE MOUNTED LINEAR FLUORESCENT STRIP, UNDER CABINET TASK LIGHT OR CASEWORK MOUNTED LIGHT
- PENDANT HUNG INDUSTRIAL FLUORESCENT STRIP
- ENCLOSED INDUSTRIAL FLUORESCENT FIXTURE
- EXIT FIXTURE - CEILING MOUNTED - FACES AND ARROWS AS INDICATED
- EXIT FIXTURE - WALL OR SURFACE MOUNTED - FACES AND ARROWS AS INDICATED
- E: FIXTURE ON EMERGENCY POWER
- # - REFER TO LIGHTING CONTROL SEQUENCE OF OPERATIONS SCHEDULE

AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR SIDELIGHTING:
- HATCH DEPICTS PRIMARY SIDELIGHTED AREA
- HATCH DEPICTS SECONDARY SIDELIGHTED AREA

- RMCx: ROOM CONTROLLER
- "x" SUBSCRIPT NOTES NUMBER OF RELAYS/CONTROL ZONES
- EM: EMERGENCY LIGHTING AUTOMATIC LOAD CONTROL RELAY
- S: SINGLE POLE, WALL SWITCH (SHOWN WITHOUT SUBSCRIPT)
OTHER SWITCHES SHALL BE COORDINATED WITH SUBSCRIPT
[SUBSCRIPT INDICATES TYPE OF SWITCH]
  - 3 - THREE WAY SWITCH
  - 4 - FOUR WAY SWITCH
  - L - LOW VOLTAGE SWITCH
  - D - LINE VOLTAGE DIMMING SWITCH
  - SD - LOW VOLTAGE PRESET DIMMING SCENE CONTROLLER
  - P - SWITCH WITH PILOT LIGHT
  - K - KEY OPERATED MOMENTARY CONTACT
  - LD - LOW VOLTAGE DIMMING SWITCH
  - OR - WALL CONTROL OVERRIDE SWITCH
  - M - MANUAL MOTOR STARTER
  - TS - TOUCH SCREEN SCENE CONTROLLER
  - MR - MOTOR RATED SWITCH
  - VS - VACANCY SENSOR SWITCH
  - T - COUNTDOWN TIMER SWITCH
  - VD - VACANCY SENSOR LOW VOLTAGE DIMMING SWITCH
- OS: CEILING MOUNTED OCCUPANCY SENSOR
OCCUPANCY SENSOR TECHNOLOGY SHALL BE COORDINATED WITH SUBSCRIPT
[SUBSCRIPT INDICATES TYPE OF OCCUPANCY SENSOR]
  - A1 - IR TECHNOLOGY 180 DEGREE
  - A2 - IR TECHNOLOGY 360 DEGREE
  - A3 - IR TECHNOLOGY CORRIDOR
  - B1 - DUAL TECHNOLOGY 180 DEGREE
  - B2 - DUAL TECHNOLOGY 360 DEGREE
  - B3 - DUAL TECHNOLOGY CORRIDOR
- PC: CEILING MOUNTED PHOTO CELL

POWER DEVICE SYMBOLS

- SINGLE RECEPTACLE - 125V,2P,3W
- DUPLEX RECEPTACLE - 125V,2P,3W
- QUADRUPLEX RECEPTACLE CONNECTED TO NORMAL POWER- 125V,2P,3W
- DUPLEX GROUND FAULT MASTER RECEPTACLE - 125V,2P,3W
- QUADRUPLEX GROUND FAULT MASTER RECEPTACLE - 125V,2P,3W
- DUPLEX GROUND FAULT SLAVE RECEPTACLE - 125V,2P,3W
- IG: ISOLATED GROUND RECEPTACLE
- CEILING MOUNTED RECEPTACLE, TYPE AS INDICATED
- FLOOR MOUNTED RECEPTACLE, TYPE AS INDICATED
- WP: GFCI DUPLEX RECEPTACLE WITH WEATHERPROOF COVER CONNECTED TO NORMAL POWER.
- GFCI: GFCI DUPLEX RECEPTACLE CONNECTED TO EMERGENCY POWER.
- XP: EXPLOSION PROOF HAZARDOUS LOCATION DUPLEX RECEPTACLE - 125V,2P,3W
- PEDESTAL MOUNTED RECEPTACLE(S)
- L5-20R: SPECIAL PURPOSE NORMAL POWER RECEPTACLE NEMA CONFIGURATION AS INDICATED
- L5-20R: SPECIAL PURPOSE EMERG. POWER RECEPTACLE NEMA CONFIGURATION AS INDICATED
- 13: DUPLEX RECEPTACLE ON EMERGENCY POWER - 125V,2P,3W
- 13: QUADRUPLEX RECEPTACLE ON EMERGENCY POWER - 125V,2P,3W
- +: INDICATES WIRING DEVICE MOUNTED ABOVE COUNTER, BACKSPLASH OR CASEWORK.
- CR: CORD REEL AND DUPLEX RECEPTACLE
- B: BACK BOX WITH BLANK COVER
- J: JUNCTION BOX
- CP: CONTROL PANEL
- PB: PULL BOX
- PUSH BUTTON
- EMERGENCY POWER OFF
- A: WALL CLOCK
[CLOCK FUNCTIONS]
  - A - ANALOG
  - D - DIGITAL
  - ET - ELAPSED TIMER
  - M - MASTER
  - 2 - DOUBLE FACE
- CSG: CLOCK SIGNAL GENERATOR
- POWER FURNITURE FEED (FROM WALL)
- COMMUNICATIONS FURNITURE FEED (FROM WALL)
- FO2E s: FLOOR BOX, 'S' INDICATES WIRING DEVICE SWITCHED WITH ROOM OCCUPANCY SENSORS. PROVIDE LOAD CONTROL RELAY.
  - COMMUNICATION GANGS
    - A: NO COMMUNICATIONS
    - B: (1) DATA GANG
    - C: (1) A/V GANG
    - D: (1) DATA GANG, (1) A/V GANG
    - E: SPECIAL - SEE SCHEDULE
  - DUPLEX RECEPTACLE QUANTITY
  - FLOOR BOX TYPE
    - F: FURNITURE FEED
    - O: ON GRADE
    - R: FIRE RATED
    - S: STANDARD
- PX#: SEE FLOOR BOX/POKE THRU SCHEDULE ON THIS SHEET.
- J W#: SURFACE MOUNTED RACEWAY (2-CHANNEL)
  - DEVICE TYPES & QUANTITIES
    - 1: (1) DUPLEX RECEPTACLE EVERY 2'-0" U.O.N.
    - 2: (2) DUPLEX RECEPTACLE AND (1) DATA GANG EVERY 4'-0" U.O.N.
    - 3: POWER AND DATA WHERE INDICATED ON DRAWING.

SINGLE LINE SYMBOLS

- POTHEAD
- A: AMMETER
- AMMETER SWITCH
- M: UTILITY METERING
- (CT) CURRENT TRANSFORMER
- (PT) POTENTIAL TRANSFORMER
- 51: RELAY
[NUMBER INDICATES RELAY TYPE]
- DRAW OUT DEVICE
- CIRCUIT BREAKER
- DISCONNECT SWITCH
- FUSE
- NORMALLY OPEN CONTACTOR/ NORMALLY CLOSED CONTACTOR
- CAPACITOR
- VACUUM CIRCUIT BREAKER
- DISCONNECT SWITCH WITH AUXILIARY CONTACTS TO DE-ENERGIZE LOADS
- V: VOLTMETER
- V: VOLTMETER SWITCH
- KWH: WATT HOUR METER
- X51 RELAY: SOLID STATE RELAY
- TIE: TIE CIRCUIT BREAKER
- FUSED SF6 SWITCH WITH GROUND
- COMBINATION MOTOR STARTER AND CIRCUIT BREAKER OR MOTOR CIRCUIT PROTECTOR
- INDICATING LIGHT
- H O A: HAND, OFF, AUTO SWITCH
- CONTROL POWER TRANSFORMER
- LA: LIGHTNING ARRESTOR
- CONTROL INTERLOCK
- K: KEY INTERLOCK
- TRANSFORMER
- ISOLATION TRANSFORMER
- H X Y: THREE WINDING TRANSFORMER
- A B C: DELTA/WYE CONNECTION
- GENERATOR
- PANEL NAME: PANEL
- HEATER
- 25: MOTOR [NUMBER INDICATES MOTOR HORSEPOWER]
- A1: POWER FEEDER DESIGNATION
- TVSS: TRANSIENT VOLT SURGE SUPPRESSOR
- UNINTERRUPTIBLE POWER SUPPLY
- RECTIFIER/INVERTER
- AUTOMATIC THROW-OVER: AUTOMATIC THROW-OVER
- CONTROL PANEL: CONTROL PANEL

SINGLE LINE SYMBOLS (CONTINUED)

- M.T.S.: MANUAL TRANSFER SWITCH
- A.T.S. (N, E): AUTOMATIC TRANSFER SWITCH
- DOUBLE THROW DISCONNECT SWITCH
- XXX AF / XXX AT, H O A: VARIABLE FREQUENCY DRIVE WITHOUT BYPASS
- XXX AF / XXX AT, H O A: VARIABLE FREQUENCY DRIVE WITH BARRIERED BYPASS SECTION
- LINE REACTOR
- HARMONIC FILTER: HARMONIC FILTER
- GF / GFSC: GROUND FAULT
- VAULT OR HANDHOLE
- BPIS: BYPASS ISOLATION SWITCH
- DEAD BREAK JUNCTION

POWER EQUIPMENT SYMBOLS

- MOTOR
- UNFUSED SAFETY DISCONNECT SWITCH
- FUSED SAFETY DISCONNECT SWITCH
- CIRCUIT BREAKER
- MOTOR STARTER
- COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
- COMBINATION MOTOR STARTER AND CIRCUIT BREAKER
- COMBINATION MOTOR STARTER AND FUSED DISCONNECT SWITCH
- ELECTRICAL PANEL - SURFACE MOUNTED
- ELECTRICAL PANEL - FLUSH MOUNTED
- DISTRIBUTION PANEL
- T: TRANSFORMER
- BD: BUS DUCT
- BD: BUS DUCT WITH PLUG IN SWITCH

CONDUIT WIRING SYMBOLS

- GROUND LOOP DROP TO LOWER LEVEL
- GROUND CONDUCTOR THROUGH ROOF TO STEEL
- ONE INCH PVC CONDUIT (ROOF-TO-GRADE)
- HT: ELECTRICAL HEAT TRACING
- EG: EXISTING GROUND CABLE
- G: GROUNDING CABLE
- GB: GROUNDING BUS BAR
- AE: AERIAL SERVICE CABLE
[INDICATES TYPE OF SERVICE]
  - AE - AERIAL ELECTRIC
  - AT - AERIAL TELEPHONE
  - AC - AERIAL COMMUNICATIONS
- UE: UNDERGROUND CONDUIT OR DUCTBANK
[INDICATES TYPE OF SERVICE]
  - E: E - UNDERGROUND ELECTRIC
  - UT: T - UNDERGROUND TELEPHONE
  - UTC: TC - UNDERGROUND COMMUNICATIONS
- EMH: MANHOLE OR HANDHOLE
[INDICATES TYPE OF SERVICE]
  - MH OR HH - ELECTRIC MANHOLE OR HANDHOLE
  - TMH OR THH - TELEPHONE MANHOLE OR HANDHOLE
  - CMH OR CHH - COMMUN. MANHOLE OR HANDHOLE
- DUCTBANK
- LIGHTNING PROTECTION AIR TERMINAL
- GROUND ROD
- LP: LIGHTNING PROTECTION DOWN CONDUCTOR IN PVC SLEEVE
- CONDUIT STUB-UP FROM FLOOR SLAB
- CONDUIT STUB-UP WITH DEVICE AS SHOWN
- CONDUIT RISE
- CONDUIT DROP
- CONDUIT FLOOR TO FLOOR
- CONDUIT STUBBED OUT OR INTO HUNG CEILING SPACE
- THROUGH WALL CONDUIT SEALING FITTING
- BRANCH CIRCUIT WIRING RUN EXPOSED
- BRANCH CIRCUIT WIRING CONCEALED IN WALL OR ABOVE CEILING
- E: EMERGENCY SYSTEM BRANCH CIRCUIT WIRING
- BRANCH CIRCUIT WIRING IN OR BELOW FLOOR CONSTRUCTION
- BRANCH CIRCUIT WIRING TO PANEL
- 5(20/3)
  - NUMBER OF POLES OF O.C. DEVICE
  - AMPERE RATING OF O.C. DEVICE (IF NOT INDICATED ASSUME 20/1)
  - CIRCUIT NUMBER OF PANELBOARD

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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07/05/18	ISSUE 5
07/17/18	ISSUE 6

DRAWING ISSUE

PROJECT: 15085.11

SCALE: N. T. S.

ELECTRICAL

TITLE:

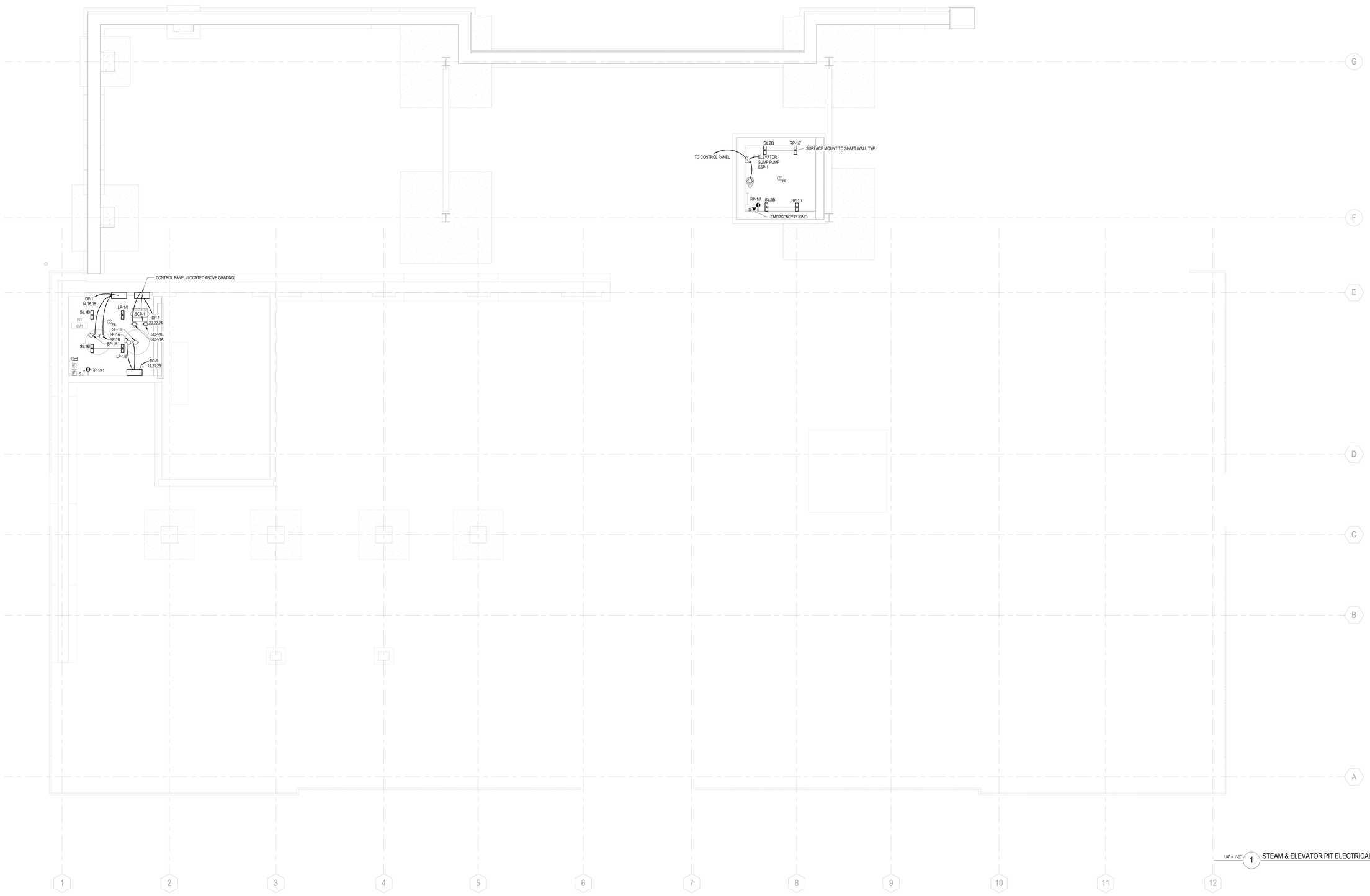
COVER SHEET

NUMBER:

E001

GENERAL ELECTRICAL PLAN NOTES:

1. FOR DRAWING NOTES, ABBREVIATIONS, MOUNTING HEIGHTS, AND SYMBOLS, REFER TO SHEET E001.
2. FOR ADDITIONAL GENERAL POWER PLAN NOTES, REFER TO SHEET E101.



1/4" = 1'-0" (1) STEAM & ELEVATOR PIT ELECTRICAL PLAN

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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07/05/18 ISSUE 5

D R A W I N G I S S U E

PROJECT: 15085.11

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

E L E C T R I C A L

TITLE:

STEAM & ELEVATOR PIT ELECTRICAL PLAN

NUMBER:

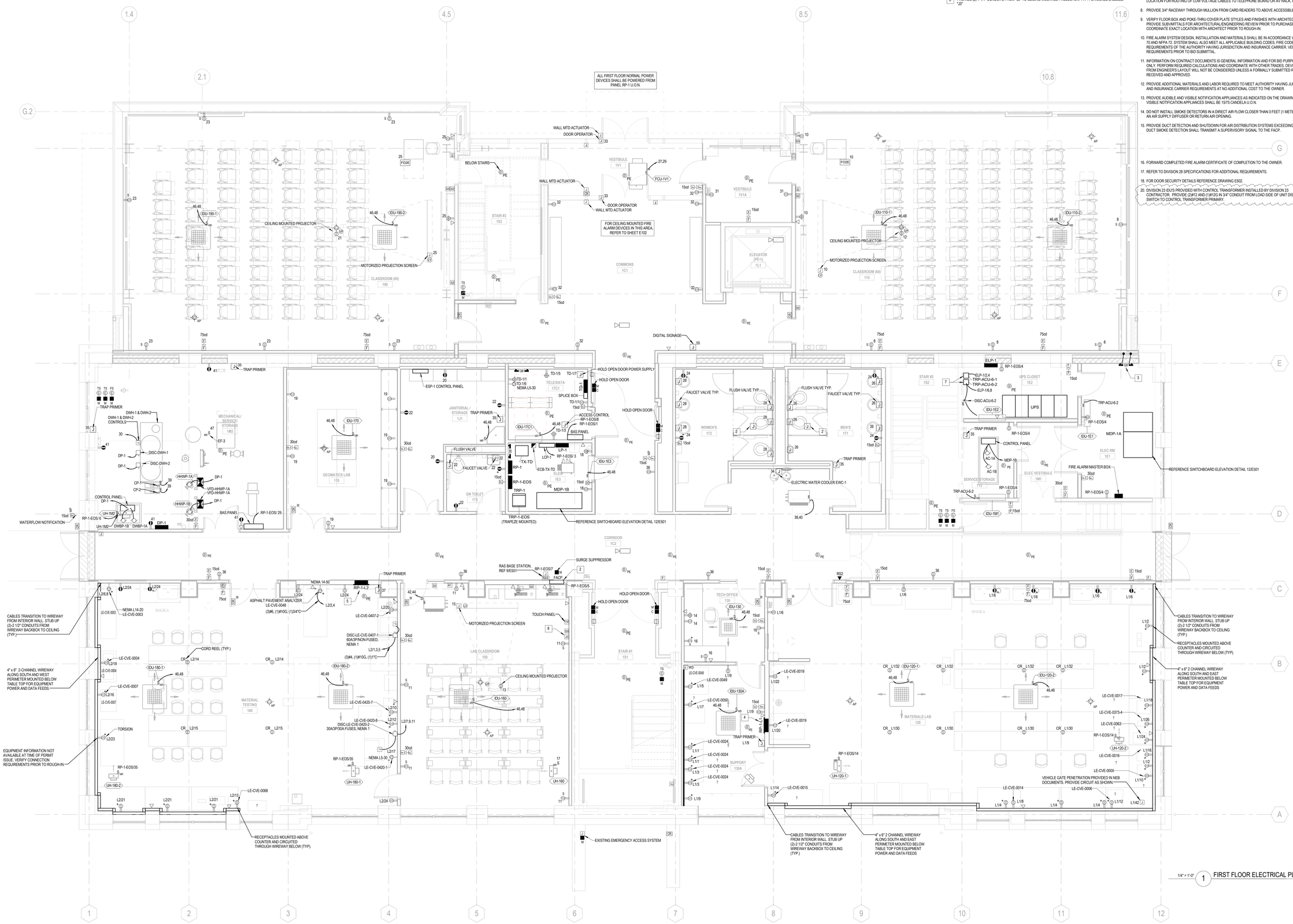
E10

ELECTRICAL PLAN KEYED NOTES:

1. NOT USED.
2. PROVIDE EXTERNALLY MOUNTED 60-HOUR BATTERY BACKUP AND DTK-120SRD SURGE SUPPRESSOR WITH MONITOR MODULE. REFER TO DIV 28 SPECIFICATIONS. RECESS PANEL IN WALL AND RUN ALL ASSOCIATED CONDUITS IN WALL TO ABOVE CEILING. COORDINATE WALL DEPTH WITH DEPTH OF SUBMITTED FACP.
3. PROVIDE CONCEALED CONNECTION FROM MAIN ELECTRICAL GROUNDING BUSBAR TO CONCRETE ENCASED ELECTRODE IN BUILDING FOOTER AND METAL FRAME OF BUILDING. FOR FURTHER INFORMATION AND INSTRUCTION, REF 1ES0301.
4. ALL ELECTRICAL DEVICES WITH CIRCUIT NAME PREFIX "L1" SHALL BE CIRCUITED TO PANEL RP-1-L1.
5. ALL ELECTRICAL DEVICES WITH CIRCUIT NAME PREFIX "L2" SHALL BE CIRCUITED TO PANEL RP-1-L2.
6. PROVIDE (1) LINE VOLTAGE TRANSFORMER TO FEED ALL FLUSH VALVES IN RESTROOM.
7. PROVIDE 3-WIRE CONNECTION TO TRANSFORMER AND LOAD. DISC-ACU-6-1 LOCATED ON ADDITION ROOF.
8. PROVIDE (2) 1-1/4" CONDUITS FROM "J3" TO CEILING MOUNTED PROJECTOR. TYP. FOR BOXES LABELED "J3".

GENERAL ELECTRICAL PLAN NOTES:

1. FOR DRAWING NOTES, ABBREVATIONS, MOUNTING HEIGHTS, AND SYMBOLS, REFER TO SHEET E001.
2. COORDINATE LOCATION OF ALL WIRING DEVICES INSTALLED IN MILLWORK WITH MILLWORK CONTRACTOR.
3. COORDINATE LOCATIONS, MOUNTING HEIGHTS AND FINISHES OF ALL DEVICES WITH ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS PRIOR TO ROUGH-IN. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO ROUGH-IN.
4. COORDINATE LOCATIONS AND REQUIREMENTS OF ALL DISCONNECT SWITCHES AND POWER CONNECTIONS TO HVAC AND PLUMBING EQUIPMENT WITH DIVISION 22 AND 23 CONTRACTORS PRIOR TO ROUGH-IN.
5. COORDINATE ROUTING OF CONDUITS TO ROOF TOP EQUIPMENT WITH CONSTRUCTION MANAGER AND DIVISION 23 CONTRACTOR.
6. CONFIRM ALL OVER CURRENT PROTECTION DEVICE RATINGS WITH DIVISION 22 AND 23 EQUIPMENT SUBMITTALS PRIOR TO INSTALLATION.
7. PROVIDE (1) 1" CONDUIT WITH PULLSTRING FROM ALL AV BOXES AND (1) 1-1/4" CONDUIT WITH PULLSTRING FROM ALL TELEDATA BOXES STUBBED UP WALL AND TO ACCESSIBLE CEILING LOCATION FOR ROUTING OF LOW VOLTAGE CABLES TO TELEPHONE BOARD OR AV RACK, U.O.N.
8. PROVIDE 3/4" RACEWAY THROUGH MULLION FROM CARD READERS TO ABOVE ACCESSIBLE CEILING.
9. VERIFY FLOOR BOX AND POKE-THRU COVER PLATE STYLES AND FINISHES WITH ARCHITECT AND PROVIDE SUBMITTALS FOR ARCHITECTURAL/ENGINEERING REVIEW PRIOR TO PURCHASE. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
10. FIRE ALARM SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH NFPA 70 AND NFPA 72. SYSTEM SHALL ALSO MEET ALL APPLICABLE BUILDING CODES, FIRE CODES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER. VERIFY REQUIREMENTS PRIOR TO BID SUBMITTAL.
11. INFORMATION ON CONTRACT DOCUMENTS IS GENERAL INFORMATION AND FOR BID PURPOSES ONLY. PERFORM REQUIRED CALCULATIONS AND COORDINATE WITH OTHER TRADES. DEVIATIONS FROM ENGINEERS LAYOUT WILL NOT BE CONSIDERED UNLESS A FORMALLY SUBMITTED RFI IS RECEIVED AND APPROVED.
12. PROVIDE ADDITIONAL MATERIALS AND LABOR REQUIRED TO MEET AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
13. PROVIDE AUDIBLE AND VISIBLE NOTIFICATION APPLIANCES AS INDICATED ON THE DRAWINGS. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE 15/75 CANDELA U.O.N.
14. DO NOT INSTALL SMOKE DETECTORS IN A DIRECT AIR FLOW CLOSER THAN 3 FEET (1 METER) FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
15. PROVIDE DUCT DETECTION AND SHUTDOWN FOR AIR DISTRIBUTION SYSTEMS EXCEEDING 2000 CFM. DUCT SMOKE DETECTION SHALL TRANSMIT A SUPERVISORY SIGNAL TO THE FACP.
16. FORWARD COMPLETED FIRE ALARM CERTIFICATE OF COMPLETION TO THE OWNER.
17. REFER TO DIVISION 28 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
18. FOR DOOR SECURITY DETAILS REFERENCE DRAWING E502.
20. DIVISION 23 IDU'S PROVIDED WITH CONTROL TRANSFORMER INSTALLED BY DIVISION 23 CONTRACTOR. PROVIDE (2)#12 AND (1)#12G IN 3/4" CONDUIT FROM LOAD SIDE OF UNIT DISCONNECT SWITCH TO CONTROL TRANSFORMER PRIMARY.



1/4" = 1'-0" (1) FIRST FLOOR ELECTRICAL PLAN

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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KEYPLAN:

ADDITION

EXISTING BLDG

SEAL:

CONDITION OF USE

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07/05/18	ISSUE 5
07/17/18	ISSUE 6
07/25/18	ISSUE 7

DRAWING ISSUE

PROJECT: 15085.11

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

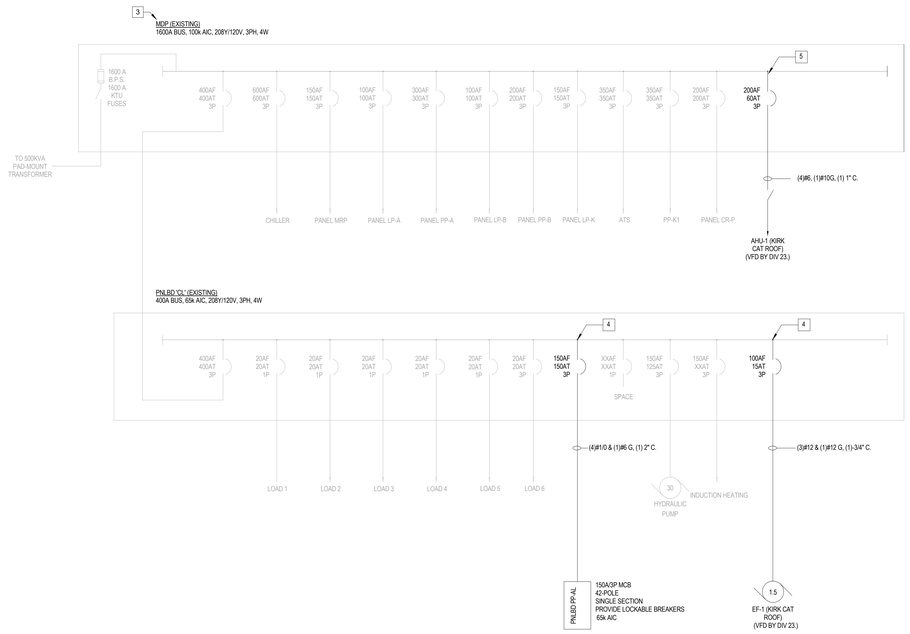
ELECTRICAL

TITLE:

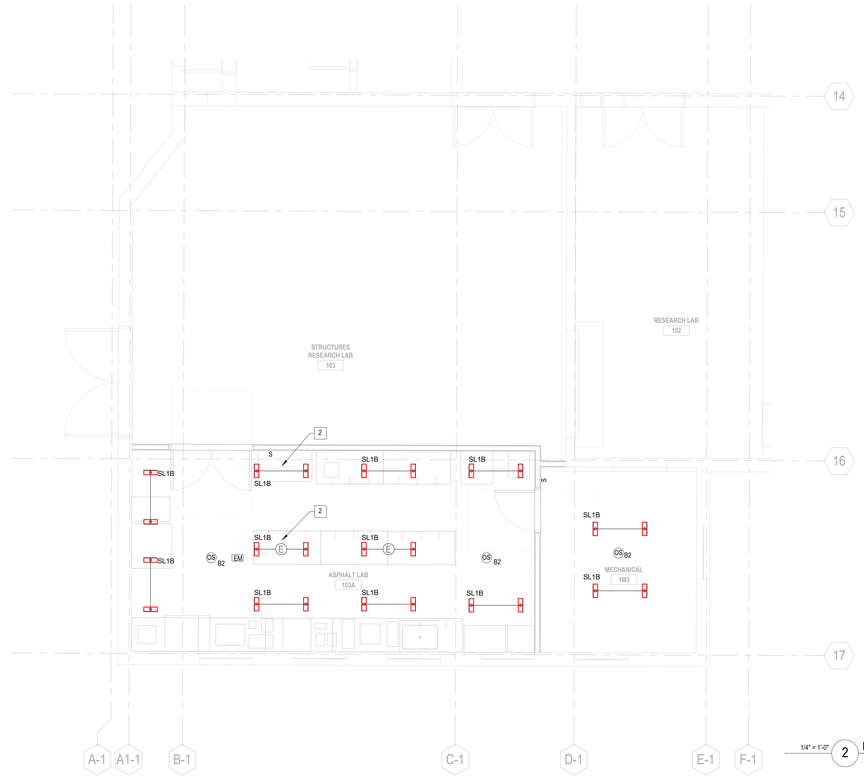
FIRST FLOOR ELECTRICAL PLAN

NUMBER:

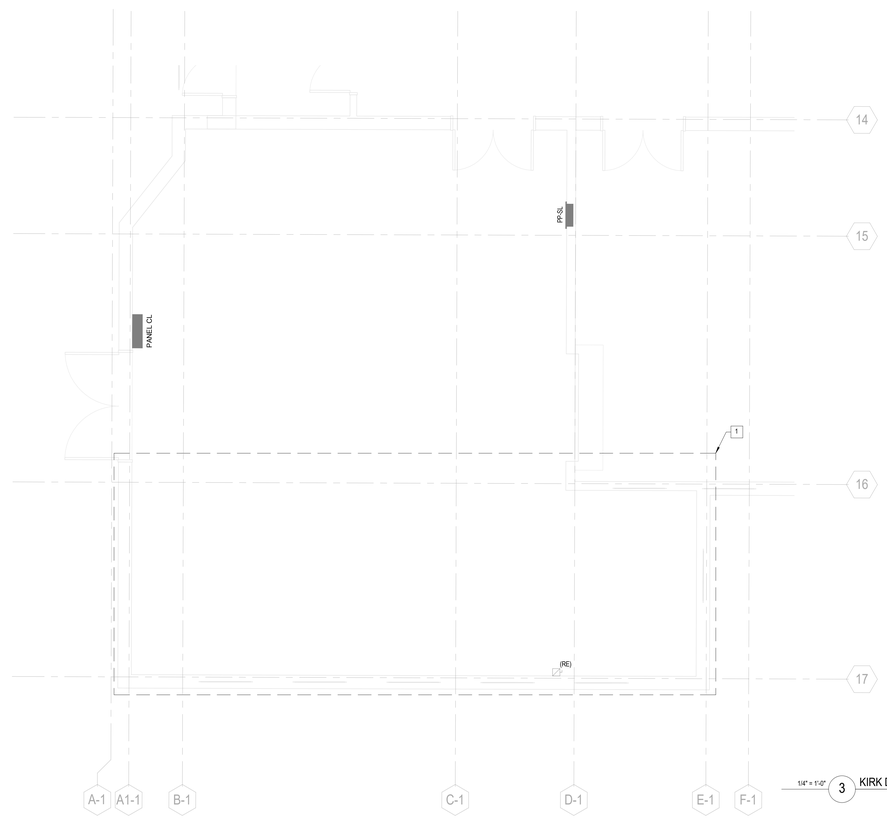
E101



1/2" = 1'-0" 4 KIRK ELECTRICAL SINGLE LINE DIAGRAM



1/4" = 1'-0" 2 KIRK LIGHTING PLAN



1/4" = 1'-0" 3 KIRK DEMOLITION

GENERAL ELECTRICAL PLAN NOTES:

1. FOR DRAWING NOTES, ABBREVIATIONS, MOUNTING HEIGHTS, AND SYMBOLS, REFER TO SHEET E001.
2. FOR ADDITIONAL GENERAL POWER PLAN NOTES, REFER TO SHEET E101.

GENERAL DEMOLITION NOTES:

1. COORDINATE DEMOLITION AND NEW WORK WITH ALL DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. PERFORM ALL WORK IN ACCORDANCE WITH THE ELECTRICAL CODE, O.S.H.A., PERTINENT NFPA CODES. THE RULES AND REGULATIONS OF ALL LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTIONS, AND ALL STANDARDS APPLIED BY THE BUILDING MANAGEMENT. PROVIDE OWNER WITH CERTIFICATES OF INSPECTION.
3. REFER TO ARCHITECTURAL DRAWINGS FOR AREAS OF DEMOLITION. EXISTING LIGHTING FIXTURES, EXIT SIGNS, AND OTHER CEILING MOUNTED DEVICES TO BE REMOVED IN THESE AREAS SHALL BE DISCONNECTED FROM THEIR EXISTING SOURCES TO ALLOW FOR REMOVAL UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS. WIRING AND CONDUIT SHALL BE REMOVED BACK TO SOURCE/PANEL.
4. MISCELLANEOUS WIRING DEVICES, TELE/COMMUNICATION DEVICES, EXIT LIGHTS, LIGHTING FIXTURES, ETC. MOUNTED ON PARTITIONS TO BE REMOVED OR CONCEALED BY NEW CONSTRUCTION SHALL BE DISCONNECTED FROM THEIR SERVICE SOURCE TO ALLOW FOR REMOVAL.
5. MAINTAIN CONTINUITY OF ALL ACTIVE LIGHTING & POWER CIRCUITS. INTERRUPT WIRING AND REROUTE WHERE REQUIRED TO POWER EXISTING DEVICES TO REMAIN. PROVIDE AS-BUILT DRAWINGS INDICATING ALL RELOCATIONS AND CIRCUIT ADJUSTMENTS IN PANELBOARDS. UPDATE PANELBOARD CIRCUIT DIRECTORIES FOR ALL PANELBOARDS AFFECTED BY THE WORK.
6. OWNER RETAINS RIGHTS OF SALVAGE FOR ELECTRICAL EQUIPMENT AND LIGHT FIXTURES TO BE REMOVED. COORDINATE WITH OWNER THE EQUIPMENT AND FIXTURES TO BE SALVAGED AND THE LOCATION FOR STORAGE. AVOID DAMAGE TO SALVAGED EQUIPMENT, FIXTURES AND DEVICES DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION.
7. ALL PREVIOUSLY ABANDONED OR OBSOLETE CONDUIT AND WIRING SHALL BE REMOVED IN ITS ENTIRETY.
8. REVIEW EXISTING CONDITIONS PRIOR TO START OF DEMOLITION AND COORDINATE ANY POWER INTERRUPTIONS WITH OWNER'S REPRESENTATIVE.
9. SEAL ALL PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS, AND ROOF WHERE ELECTRICAL COMPONENTS ARE REMOVED AND WHERE THE EXISTING PENETRATION IS NOT USED FOR THE NEW INSTALLATION. REPAIR DAMAGED SURFACES TO MATCH ADJACENT AREAS.
10. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, FIXTURES, SYSTEMS, CONDUIT AND WIRING NO LONGER REQUIRED AFTER PROJECT COMPLETION.

ELECTRICAL PLAN KEYED NOTES:

1. REMOVE EXISTING LIGHTING FIXTURES, LIGHTING CONTROLS, FIRE ALARM, ELECTRICAL EQUIPMENT AND DEVICES WITHIN THIS AREA (NOT SHOWN) BACK TO ORIGINATING JUNCTION BOX OR PANELBOARD. ALL SPARE CIRCUIT BREAKERS SHALL BE TURNED OFF AND LABELED "SPARE". DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS.
2. POWER NORMAL LIGHTING FROM EXISTING CIRCUITS LOCATED IN SPACE. POWER EMERGENCY LIGHTING FROM PANEL 'EL-A' LOCAL CIRCUIT IN 1ST FLOOR CORRIDOR.
3. PRIOR TO CONNECTING NEW LOADS TO THE BUILDING DISTRIBUTION SYSTEM, PROVIDE A CONTINUOUSLY RECORDED DEMAND METERING OF MDP FOR A MINIMUM OF 30 DAYS ACCORDING TO RHODE ISLAND STATE ELECTRICAL CODE 220.76 (1) EXCEPTION. RECORDING INFORMATION SHALL BE SENT TO ENGINEER OF RECORD TO VERIFY EXISTING DISTRIBUTION SYSTEM HAS SUFFICIENT CAPACITY FOR ADDITIONAL LOAD.
4. CIRCUIT BREAKER MUST MATCH EXISTING EQUIPMENT MANUFACTURER (SIEMENS TYPE S4 SWITCHBOARD), BREAKER TYPE, AND SCCR RATING
5. CIRCUIT BREAKER MUST MATCH EXISTING EQUIPMENT MANUFACTURER (SIEMENS TYPE SB3 SWITCHBOARD), BREAKER TYPE, AND SCCR RATING

THE UNIVERSITY OF RHODE ISLAND

KIRK HALL RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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07/05/18 ISSUE 5

D R A W I N G I S S U E

PROJECT: 15085.11

SCALE: As indicated

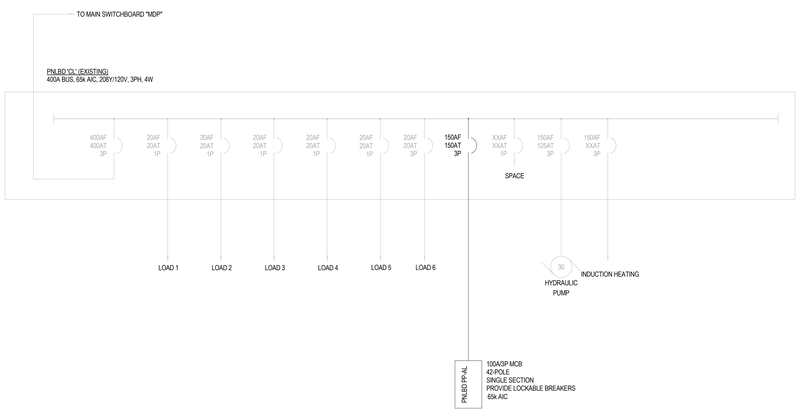
E L E C T R I C A L

TITLE:

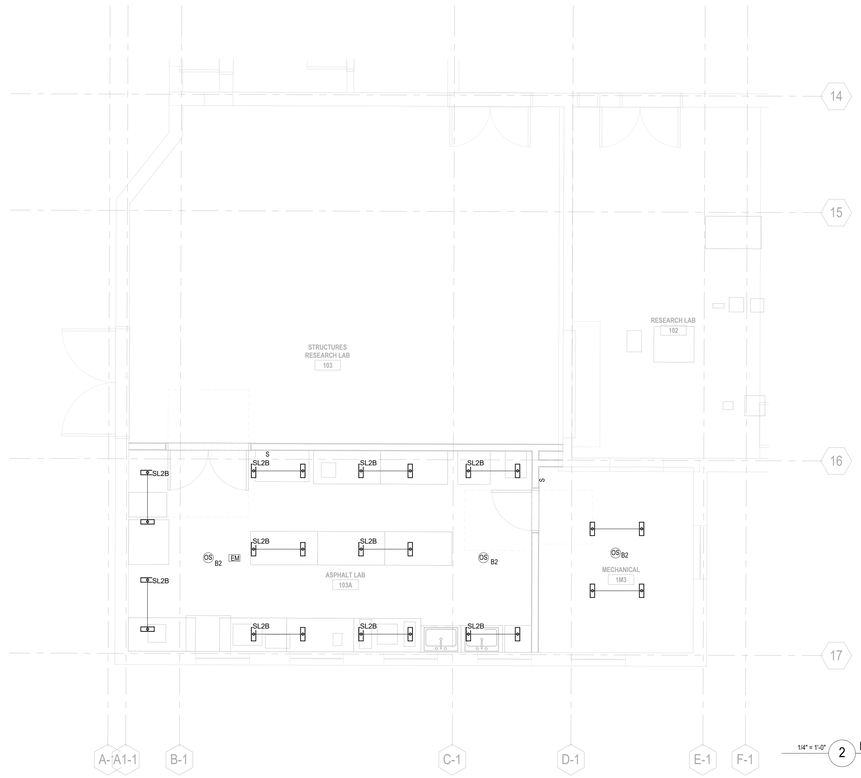
FIRST FLOOR (KIRK) DEMO AND LIGHTING PLAN

NUMBER:

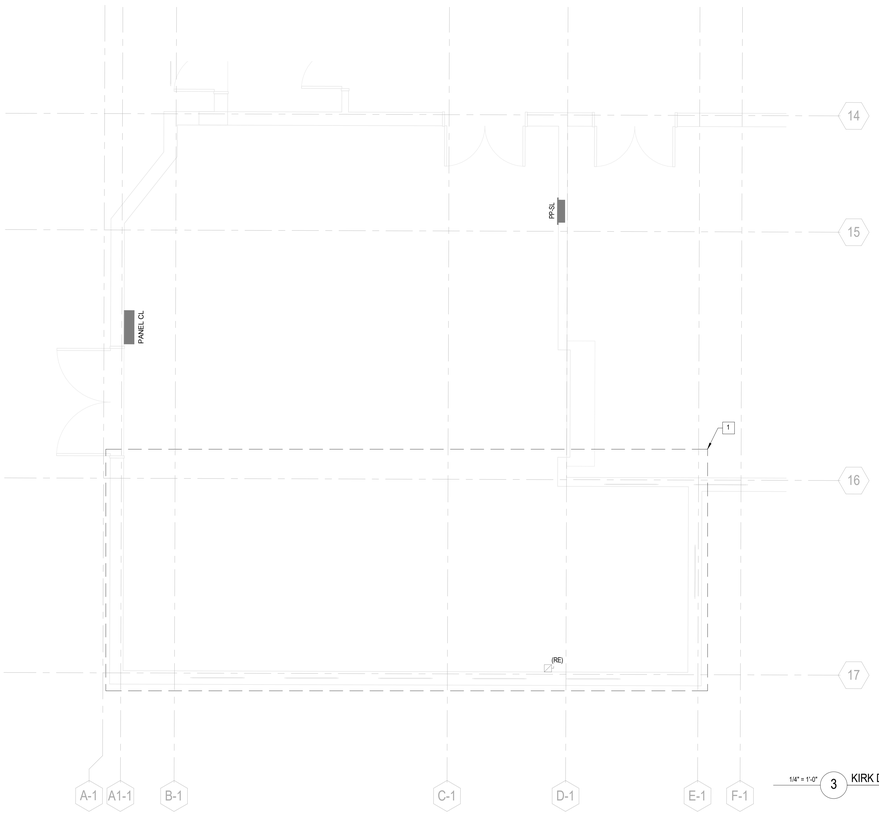
E101.1



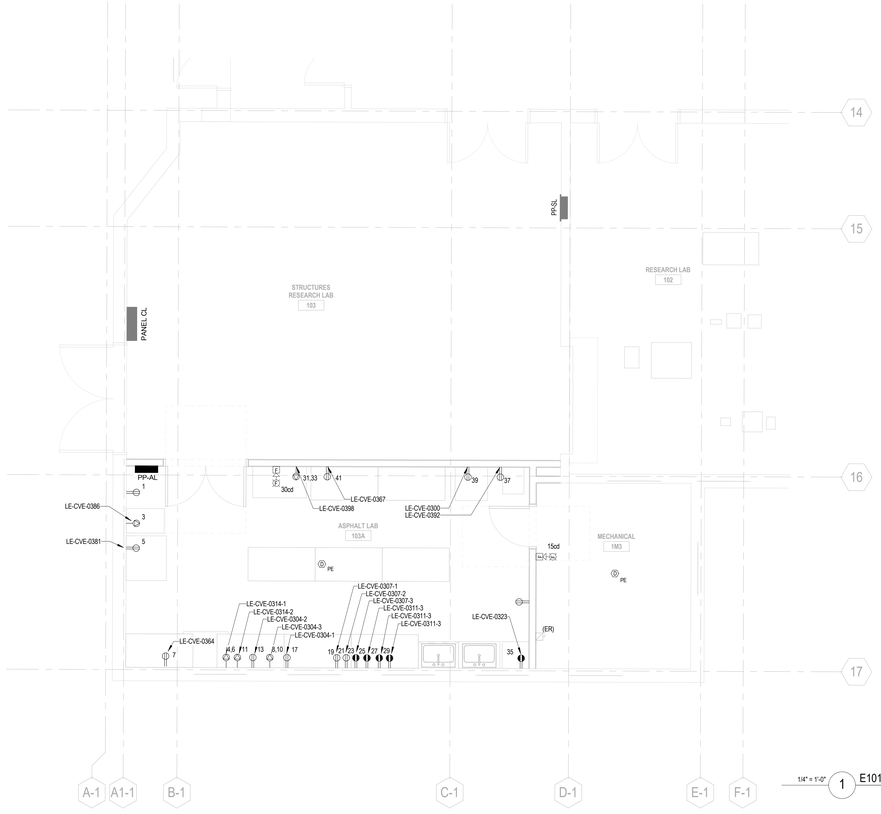
12" = 1'-0" 4 KIRK ELECTRICAL SINGLE LINE DIAGRAM



1/4" = 1'-0" 2 KIRK LIGHTING PLAN



1/4" = 1'-0" 3 KIRK DEMOLITION



1/4" = 1'-0" 1 E101.2 - KIRK POWER PLAN

GENERAL ELECTRICAL PLAN NOTES:

1. FOR DRAWING NOTES, ABBREVATIONS, MOUNTING HEIGHTS, AND SYMBOLS, REFER TO SHEET E001.
2. FOR ADDITIONAL GENERAL POWER PLAN NOTES, REFER TO SHEET E100.

GENERAL DEMOLITION NOTES:

1. COORDINATE DEMOLITION AND NEW WORK WITH ALL DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. PERFORM ALL WORK IN ACCORDANCE WITH THE ELECTRICAL CODE, O.S.H.A., PERTINENT NFPA CODES. THE RULES AND REGULATIONS OF ALL LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTIONS, AND ALL STANDARDS APPLIED BY THE BUILDING MANAGEMENT. PROVIDE OWNER WITH CERTIFICATES OF INSPECTION.
3. REFER TO ARCHITECTURAL DRAWINGS FOR AREAS OF DEMOLITION. EXISTING LIGHTING FIXTURES, EXIT SIGNS, AND OTHER CEILING MOUNTED DEVICES TO BE REMOVED IN THESE AREAS SHALL BE DISCONNECTED FROM THEIR EXISTING SOURCES TO ALLOW FOR REMOVAL UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS. WIRING AND CONDUIT SHALL BE REMOVED BACK TO SOURCE/PANEL.
4. MISCELLANEOUS WIRING DEVICES, TELE/COMMUNICATION DEVICES, EXIT LIGHTS, LIGHTING FIXTURES, ETC. MOUNTED ON PARTITIONS TO BE REMOVED OR CONCEALED BY NEW CONSTRUCTION SHALL BE DISCONNECTED FROM THEIR SERVICE SOURCE TO ALLOW FOR REMOVAL.
5. MAINTAIN CONTINUITY OF ALL ACTIVE LIGHTING & POWER CIRCUITS. INTERRUPT WIRING AND REROUTE WHERE REQUIRED TO POWER EXISTING DEVICES TO REMAIN. PROVIDE AS-BUILT DRAWINGS INDICATING ALL RELOCATIONS AND CIRCUIT ADJUSTMENTS IN PANELBOARDS. UPDATE PANELBOARD CIRCUIT DIRECTORIES FOR ALL PANELBOARDS AFFECTED BY THE WORK.
6. OWNER RETAINS RIGHTS OF SALVAGE FOR ELECTRICAL EQUIPMENT AND LIGHT FIXTURES TO BE REMOVED. COORDINATE WITH OWNER THE EQUIPMENT AND FIXTURES TO BE SALVAGED AND THE LOCATION FOR STORAGE. AVOID DAMAGE TO SALVAGED EQUIPMENT, FIXTURES AND DEVICES DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION.
7. ALL PREVIOUSLY ABANDONED OR OBSOLETE CONDUIT AND WIRING SHALL BE REMOVED IN ITS ENTIRETY.
8. REVIEW EXISTING CONDITIONS PRIOR TO START OF DEMOLITION AND COORDINATE ANY POWER INTERRUPTIONS WITH OWNER'S REPRESENTATIVE.
9. SEAL ALL PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS, AND ROOF WHERE ELECTRICAL COMPONENTS ARE REMOVED AND WHERE THE EXISTING PENETRATION IS NOT USED FOR THE NEW INSTALLATION. REPAIR DAMAGED SURFACES TO MATCH ADJACENT AREAS.
10. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, FIXTURES, SYSTEMS, CONDUIT AND WIRING NO LONGER REQUIRED AFTER PROJECT COMPLETION.

ELECTRICAL PLAN KEYED NOTES:

1. REMOVE EXISTING LIGHTING FIXTURES, LIGHTING CONTROLS, FIRE ALARM, ELECTRICAL EQUIPMENT AND DEVICES WITHIN THIS AREA (NOT SHOWN) BACK TO ORIGINATING JUNCTION BOX OR PANELBOARD. ALL SPARE CIRCUIT BREAKERS SHALL BE TURNED OFF AND LABELED "SPARE". DEMOLITION SHALL NOT AFFECT ACTIVE CIRCUITS.

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION
KINGSTON, RI

PROJECT NO: KC.G.ENGR.2015.002

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DRAWING ISSUE

PROJECT: 15085.11

SCALE: As indicated

ELECTRICAL

TITLE:

FIRST FLOOR (KIRK) ELECTRICAL PLAN

NUMBER:

E101.2

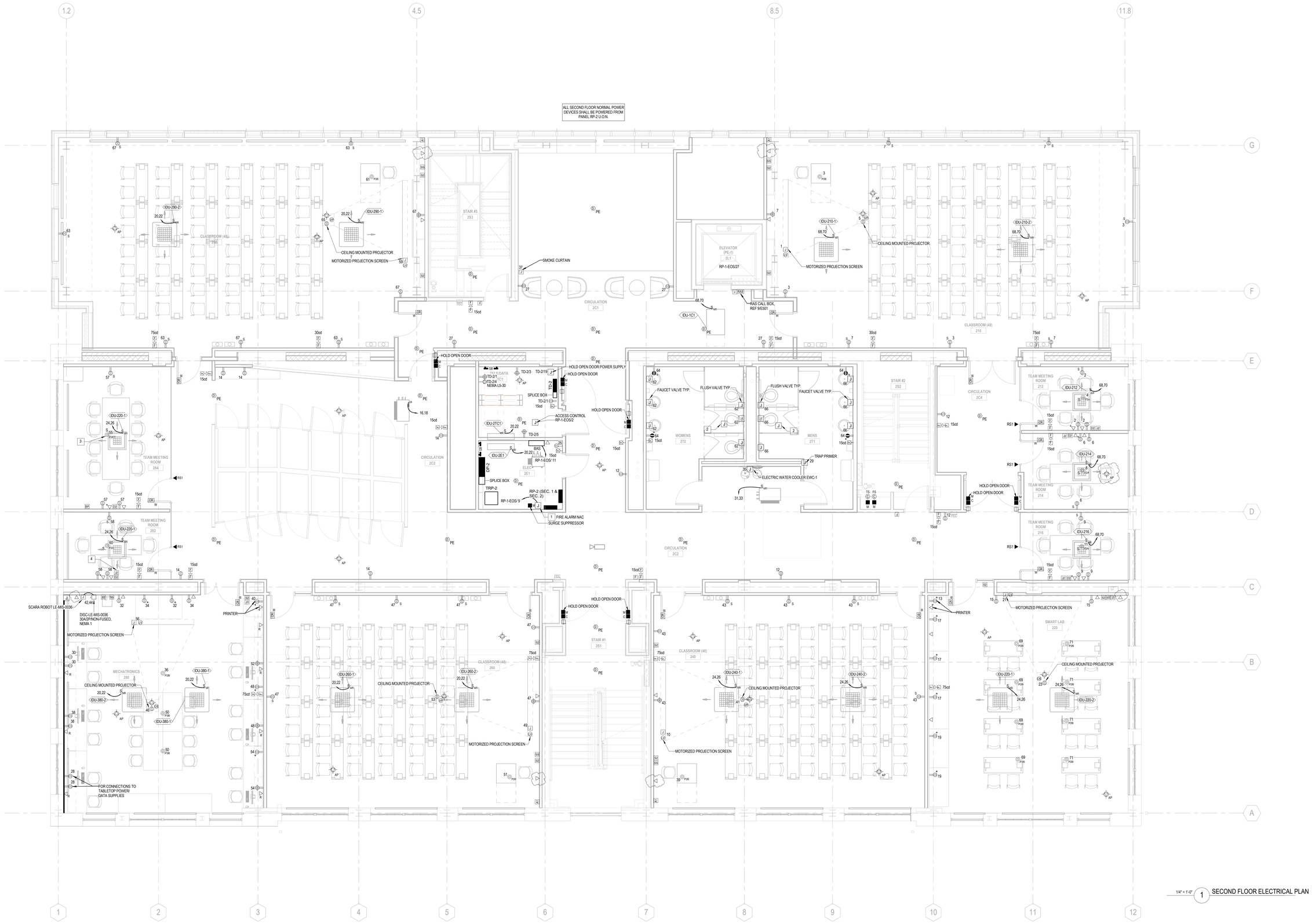
50% CONSTRUCTION DOCUMENTS PROGRESS - 05/02/18

ELECTRICAL PLAN KEYED NOTES:

1. PROVIDE EXTERNALLY MOUNTED 60-HOUR BATTERY BACKUP AND DTK-120SRD SURGE SUPPRESSOR WITH MONITOR MODULE, REFER TO DIV 28 SPECIFICATIONS.
2. PROVIDE (1) LINE VOLTAGE TRANSFORMER TO FEED ALL FLUSH VALVES IN RESTROOMS.
3. PROVIDE 1-1/4" CONDUIT FROM POKE-THRU TO WALL MOUNTED "D2" TV BACK BOX
4. MOUNT "J2" 18" BELOW "D2" AND PROVIDE 1-1/4" CONDUIT BETWEEN THE BOXES.

GENERAL ELECTRICAL PLAN NOTES:

1. FOR DRAWING NOTES, ABBREVATIONS, MOUNTING HEIGHTS, AND SYMBOLS, REFER TO SHEET E001.
2. FOR ADDITIONAL GENERAL POWER PLAN NOTES, REFER TO SHEET E101.



1/4" = 1'-0" (1) SECOND FLOOR ELECTRICAL PLAN

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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07/05/18	ISSUE 5
07/17/18	ISSUE 6

DRAWING ISSUE

PROJECT: 15085.11

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

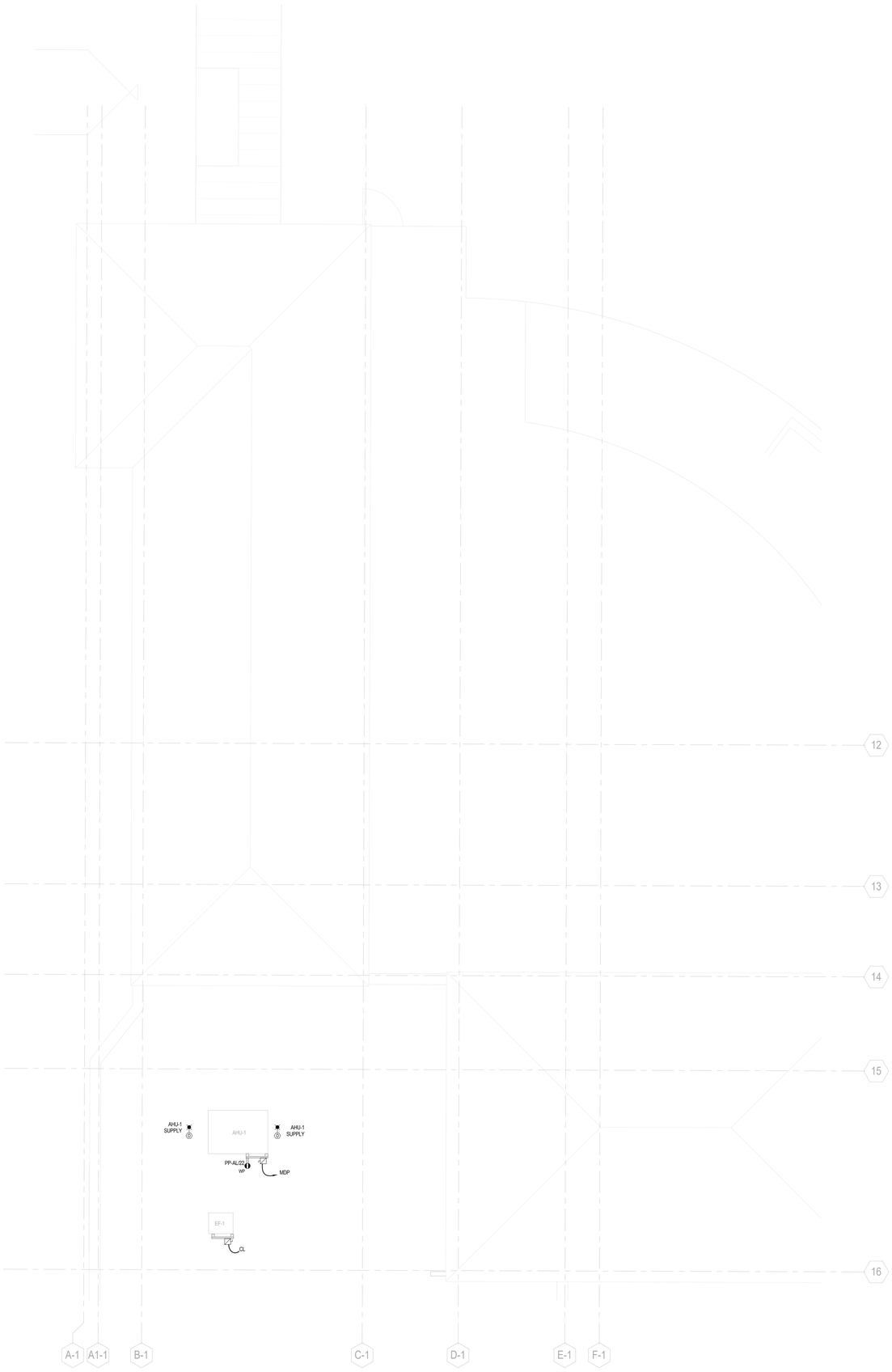
ELECTRICAL

TITLE:

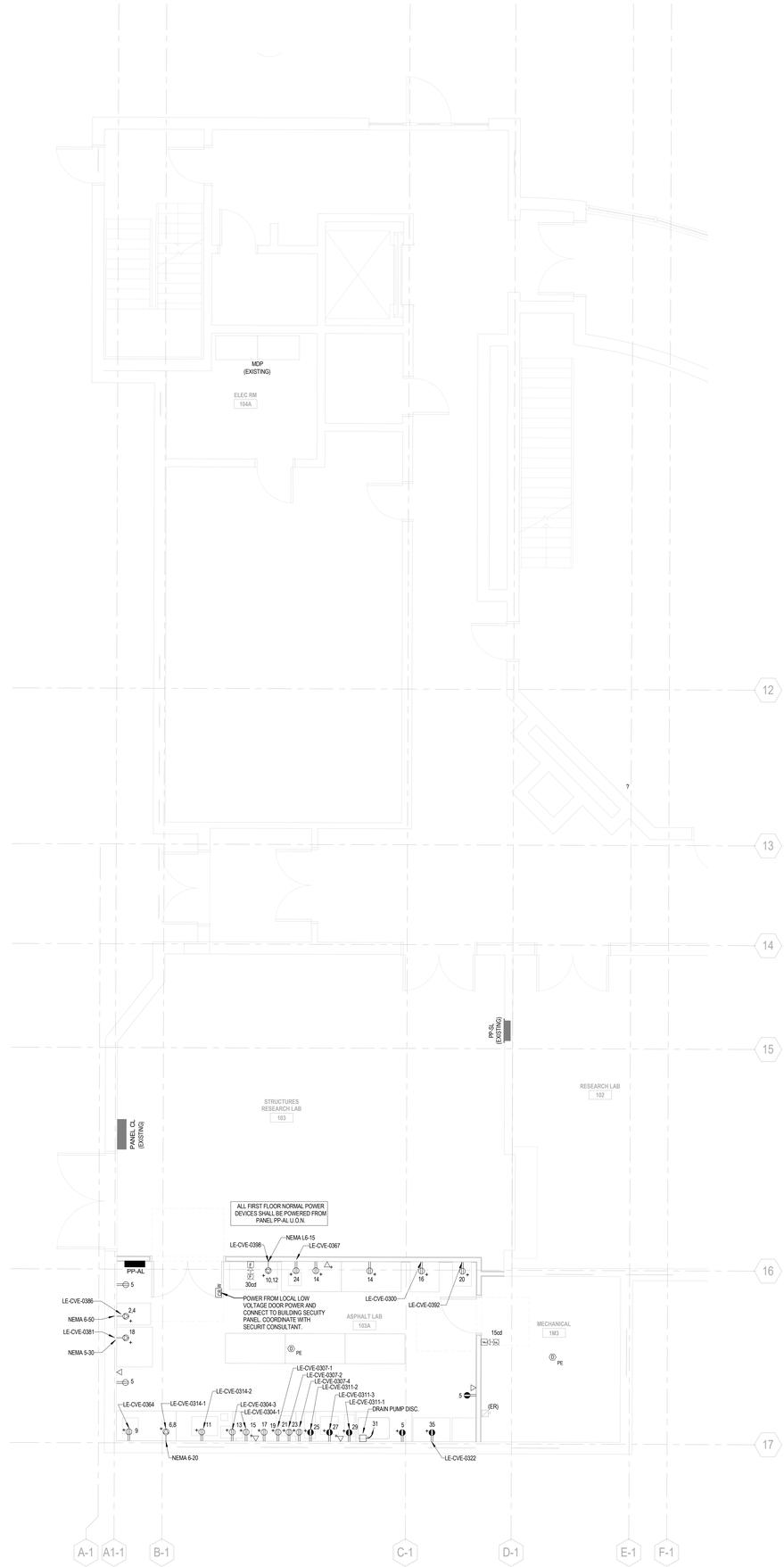
SECOND FLOOR ELECTRICAL PLAN

NUMBER:

E102



1/4" = 1'-0" 2 KIRK ELECTRICAL PLAN - ROOF



1/4" = 1'-0" 1 KIRK ELECTRICAL PLAN - FIRST FLOOR

THE
UNIVERSITY
OF RHODE ISLAND

KIRK HALL RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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07/05/18 ISSUE 5

D R A W I N G I S S U E

PROJECT: 15085.11

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

E L E C T R I C A L

TITLE:

FIRST FLOOR + ROOF (KIRK) ELECTRICAL PLAN

NUMBER:

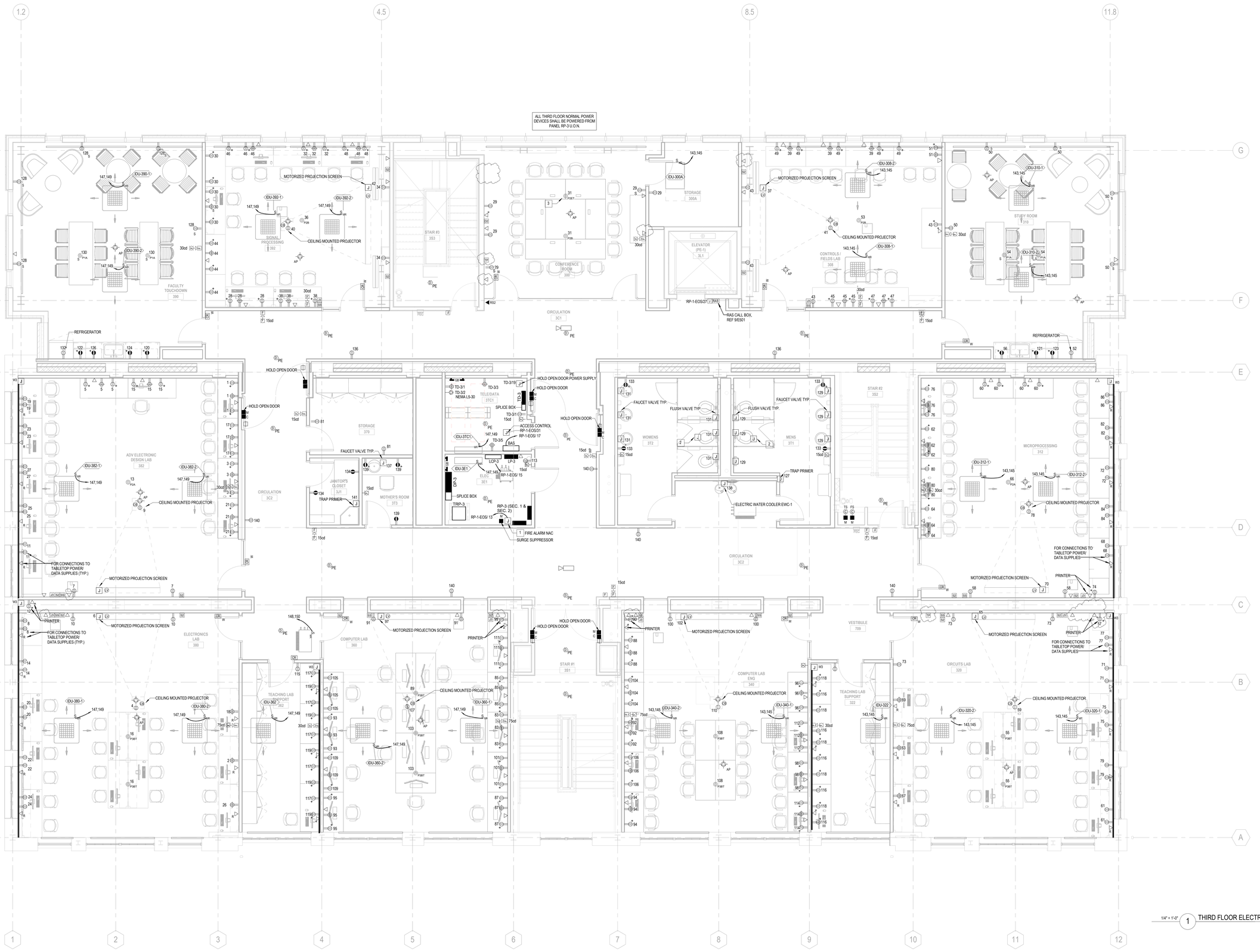
E102.1

ELECTRICAL PLAN KEYED NOTES:

1. PROVIDE EXTERNALLY MOUNTED 60-HOUR BATTERY BACKUP AND DTK-120SRD SURGE SUPPRESSOR WITH MONITOR MODULE, REFER TO DIV 28 SPECIFICATIONS.
2. PROVIDE (1) LINE VOLTAGE TRANSFORMER TO FEED ALL FLUSH VALVES IN RESTROOMS.
3. PROVIDE 1-1/4" CONDUIT FROM POKE-THRU TO WALL MOUNTED "D2" TV BACK BOX

GENERAL ELECTRICAL PLAN NOTES:

1. FOR DRAWING NOTES, ABBREVATIONS, MOUNTING HEIGHTS, AND SYMBOLS, REFER TO SHEET E001.
2. FOR ADDITIONAL GENERAL POWER PLAN NOTES, REFER TO SHEET E101.



1/4" = 1'-0" (1) THIRD FLOOR ELECTRICAL PLAN

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

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07/05/18	ISSUE 5
07/17/18	ISSUE 6

DRAWING ISSUE

PROJECT: 15085.11

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

ELECTRICAL

TITLE:

THIRD FLOOR ELECTRICAL PLAN

NUMBER:

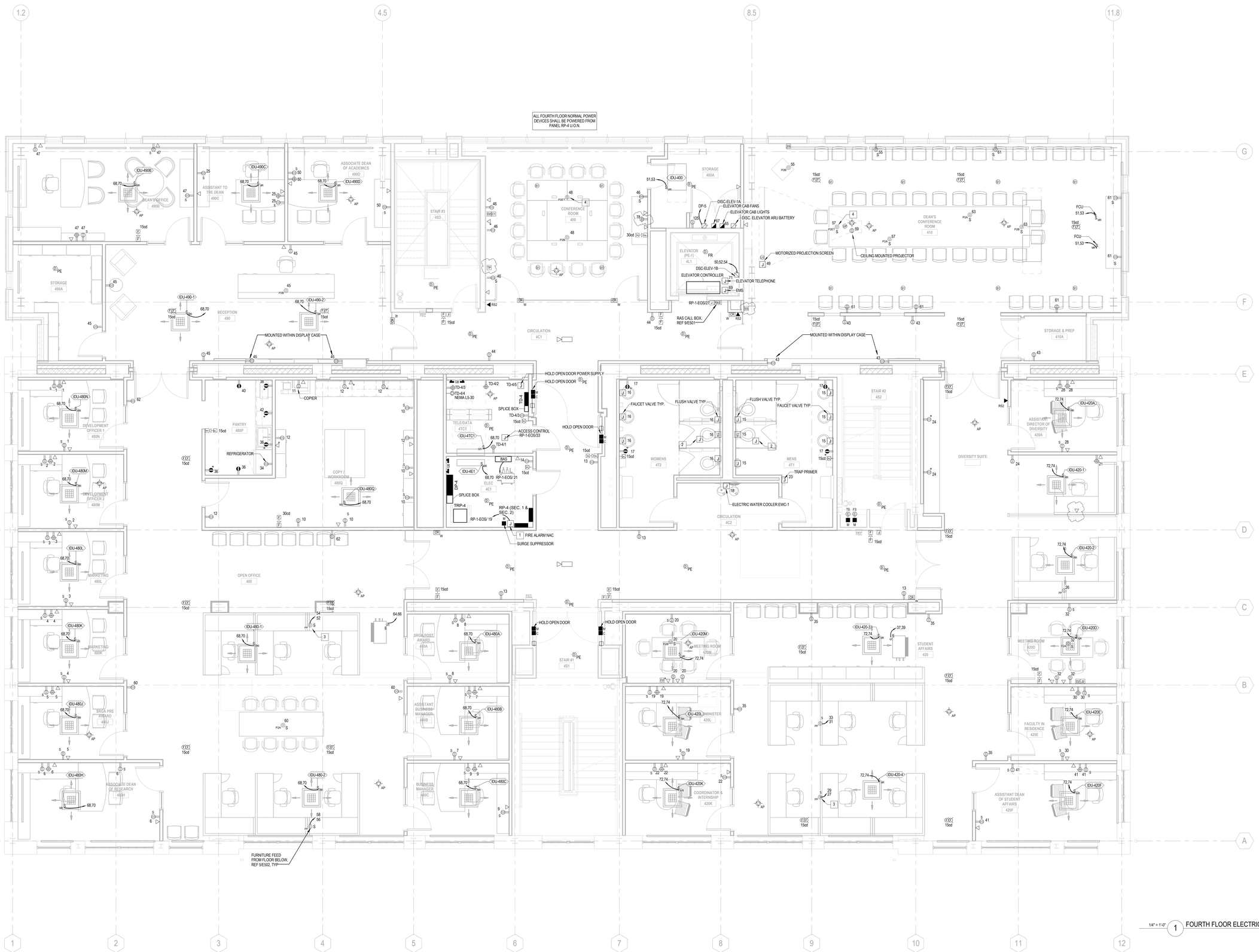
E103

ELECTRICAL PLAN KEYED NOTES:

1. PROVIDE EXTERNALLY MOUNTED 60-HOUR BATTERY BACKUP AND DTK-120SRD SURGE SUPPRESSOR WITH MONITOR MODULE, REFER TO DIV 28 SPECIFICATIONS.
2. PROVIDE (1) LINE VOLTAGE TRANSFORMER TO FEED ALL FLUSH VALVES IN RESTROOMS.
3. SWITCH 50% OF BRANCH CIRCUIT FEEDERS FOR MODULAR FURNITURE. (TYP.)
4. PROVIDE 1-1/4" CONDUIT FROM POKE-THRU TO PODIUM. STUB UP BENEATH PODIUM. COORDINATE WITH A/V DRAWINGS. TYP.
5. PROVIDE 1-1/4" CONDUIT FROM POKE-THRU TO AV CREDENZA.

GENERAL ELECTRICAL PLAN NOTES:

1. FOR DRAWING NOTES, ABBREVIATIONS, MOUNTING HEIGHTS, AND SYMBOLS, REFER TO SHEET E001.
2. FOR ADDITIONAL GENERAL POWER PLAN NOTES, REFER TO SHEET E101.



1/4" = 1'-0" 1 FOURTH FLOOR ELECTRICAL PLAN

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

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07/05/18	ISSUE 5
07/17/18	ISSUE 6

DRAWING ISSUE

PROJECT: 15085.11

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

ELECTRICAL

TITLE:

FOURTH FLOOR ELECTRICAL PLAN

NUMBER:

E104

ELECTRICAL PLAN KEYED NOTES:

1. PROVIDE EXTERNALLY MOUNTED 60-HOUR BATTERY BACKUP AND DTK-120SRD SURGE SUPPRESSOR WITH MONITOR MODULE, REFER TO DIV 28 SPECIFICATIONS.
2. PROVIDE POWER CONNECTION FROM DP-5 AND DISCONNECT SWITCHON DIVISION 23 EQUIPMENT SIZED AS SHOWN ON SINGLE LINE DIAGRAM.

GENERAL ELECTRICAL PLAN NOTES:

1. FOR DRAWING NOTES, ABBREVATIONS, MOUNTING HEIGHTS, AND SYMBOLS, REFER TO SHEET E001.
2. FOR ADDITIONAL GENERAL POWER PLAN NOTES, REFER TO SHEET E101.

1/4" = 1'-0" 1 FIFTH FLOOR ELECTRICAL PLAN

THE UNIVERSITY OF RHODE ISLAND

BLISS HALL ADDITION AND RENOVATION

KINGSTON, RI

PROJECT NO: KC.G.ENGR.2017.001

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07/05/18 ISSUE 5
DRAWING ISSUE

PROJECT: 15085.11

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

ELECTRICAL

TITLE:

FIFTH FLOOR ELECTRICAL PLAN

NUMBER:

E105