CCRI FLANAGAN COMMONS

1762 Old Louisquisset Pike, Lincoln, RI 02865

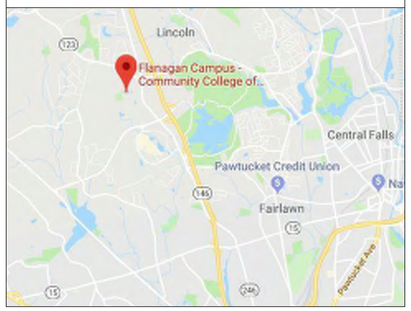
ISSUED FOR BID

02/14/2025

BL PROJECT No.: 2400014

REV	SHEET NUMBER	SHEET NAME
GENERAL		
	G000	COVER
ARCHITECTURAL		
	A001	GENERAL INFORMATION & CODE ANALYSIS
	AD101.1	FIRST FLOOR DEMOLITION PLAN
	AD101.2	SECOND FLOOR DEMOLITION PLAN
	AD102.2	RCP SECOND FLOOR DEMOLITON PLAN
	AD102.1	RCP FIRST FLOOR DEMOLITON PLAN
	A101.1	FIRST FLOOR PLAN
	A101.2	SECOND FLOOR PLAN
	A102.1	FIRST FLOOR REFLECTED CEILING PLAN
	A102.2	SECOND FLOOR REFLECTED CEILING PLAN
	A201	INTERIOR ELEVATIONS
	A202	INTERIOR ELEVATIONS
	A301	BUILDING SECTIONS
	A311	WALL SECTIONS
	A601	DOOR SCHEDULE, ELEVATIONS, AND DETAILS
	A701	STAIR PLAN/ SECTION AND DETAILS
	A801.1	FINISH PLAN - FIRST FLOOR
	A801.2	GRAPHICS
	A802.1	FIRST FLOOR FURNITURE PLAN
FIRE PROTECTION		
	FP001	FIRE PROTECTION NOTES, DESIGN CRITERIA, SYMBOL LEGEND, & ABBREVIATIONS
	FP101.1	OVERALL FIRST FLOOR FIRE PROTECTION PLAN
	FP101.2	OVERALL SECOND FLOOR FIRE PROTECTION PLAN
FIRE ALARM		
	FA001	FIRE ALARM NOTES, SYMBOL LEGEND, & ABBREVIATIONS
	FA101.1	OVERALL FIRST FLOOR FIRE ALARM PLAN
	FA101.2	OVERALL SECOND FLOOR FIRE ALARM PLAN
MECHANICAL		
	M001	MECHANICAL NOTES, SYMBOL LEGEND, & ABBREVIATIONS
	MD101.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN
	M101.1	OVERALL FIRST FLOOR AND PARTIAL SECOND FLOOR MECHANICAL PLANS
	M501	MECHANICAL DETAILS
	M601	MECHANICAL SCHEDULES
ELECTRICAL		
	E001	ELECTRICAL NOTES, SYMBOL LEGEND, & ABBREVIATIONS
	ED101.1	OVERALL FIRST FLOOR ELECTRICAL POWER DEMOLITION PLAN
	ED102.1	OVERALL FIRST FLOOR ELECTRICAL LIGHTING DEMOLITION PLAN
	ED102.2	OVERALL SECOND FLOOR ELECTRICAL LIGHTING DEMOLITION PLAN
	E101.1	OVERALL FIRST FLOOR ELECTRICAL POWER PLAN
	E101.2	OVERALL SECOND FLOOR ELECTRICAL POWER PLAN
	E102.1	OVERALL FIRST FLOOR ELECTRICAL LIGHTING PLAN
	E102.2	OVERALL SECOND FLOOR ELECTRICAL LIGHTING PLAN
	E601	LIGHTING CONTROLS
	E603	ELECTRICAL PANELBOARD SCHEDULES
	E604	ELECTRICAL DETAILS
TECHNOLOGY		
	T000	SYMBOL LEGEND & GENERAL NOTES TECHNOLOGY
	T001	TECHNOLOGY NOTES, SYMBOL LEGEND, & ABBREVIATIONS
	T101.1	OVERALL FIRST FLOOR TECHNOLOGY PLAN - DEMO AND NEW
	T101.2	OVERALL SECOND FLOOR TECHNOLOGY PLAN
	T200	ELEC. ROM #1428 & AV CLOSET #103 DETAILS
	T201	TECHNOLOGY DETAILS
	TA000	SYMBOL LEGEND & GENERAL NOTES AUDIO VISUAL
	TA101.1	OVERALL FIRST FLOOR AUDIO VISUAL PLAN
	TA101.2	OVERALL FIRST FLOOR RCP AUDIO VISUAL PLAN
	TA200	AUDIO VISUAL ELEVATIONS
	TA201	AUDIO VISUAL ELEVATIONS
	TA300	AUDIO VISUAL SIGNAL FLOW
	TA301	AUDIO VISUAL SIGNAL FLOW
	TA302	TYPICAL DISPLAY WALL SIGNAL ROUTING
	TA400	AUDIO VISUAL DETAILS

PROJECT LOCATION



ARCHITECT / MEP ENGINEER / STRUCTURAL ENGINEER

Architecture
Engineering
Environmental
Land Surveying

BL Companies

www.blcompanies.com

BUILDING PLAN

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed:	Designer
Drawn:	Author
Reviewed:	Approver
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
COVER

Sheet No.
G000

C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt
2/14/2025 4:10:51 PM

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

CODE SUMMARY

APPLICABLE CODES

Rhode Island State Building Code (SBC-1-2021 (International Building Code, 2018 amended)
Rhode Island Fire Safety Code 2018 (RIFC: Rhode Island NFPA 1 - Fire Code (NFPA1, 2018 amended)
(RILSC: Rhode Island Life Safety Code (NFPA 101, 2018 amended)
Rhode Island Accessibility Code (ADAAG 2010: Accessible and Usable Buildings (ICC A117.1-2009)

OCCUPANCY CLASS

Use/Occupancy	Business (B)
Accessory Use	Assembly (A3) Less Than 10%
Incidental Uses	N/A
Occupancy Separation	None Required

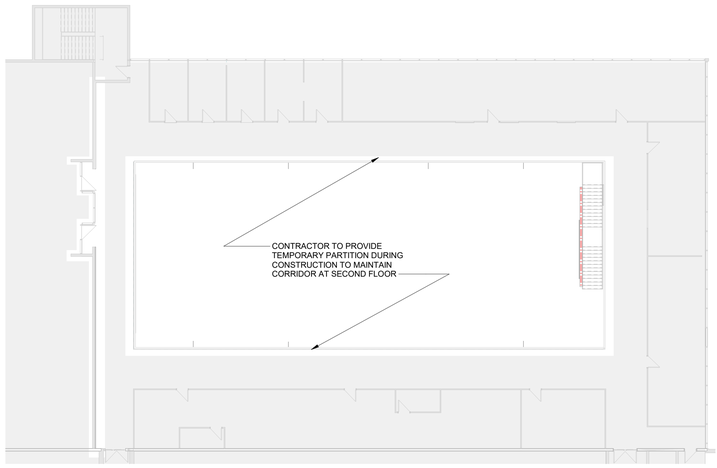
TYPES OF CONSTRUCTION

Construction Type:	Type IIB (111)	Non-combustible Building Elements	SBC Table 601 RILSC Table A8.2.1.2

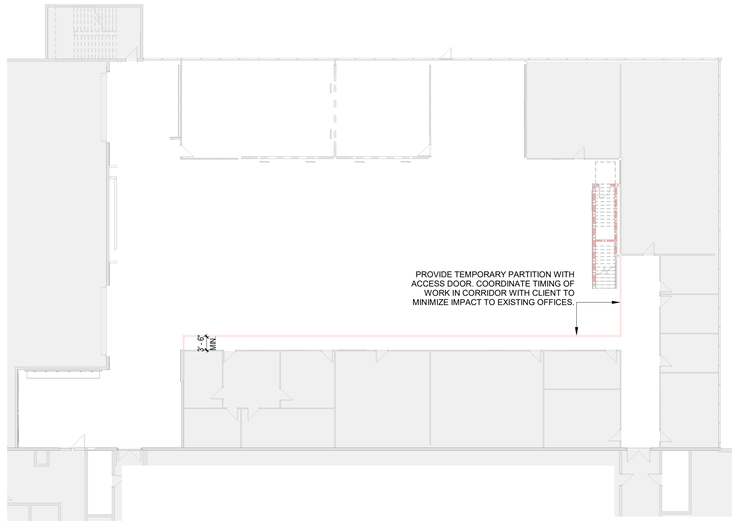
MEANS OF EGRESS

Egress Widths	REQUIRED	PROVIDED	REFERENCE
Stairways (w/ sprinkler)	.3"/occupant, but not less than 44" (36" if occupant load is less than 50)	Minimum clear width provided is 60".	SBC 1009
Corridors (w/ sprinkler)	.2"/occupant, but not less than 44" (36" if occupant load is less than 50)	Minimum clear width provided is 72"	SBC 1018.2
Doors	32" minimum clear width	36" minimum at each door	SBC 1008
Minimum Number of Exits	REQUIRED	PROVIDED	REFERENCE
	Occupant load 1-500 requires minimum of 2 exits per story.	Minimum 2 exits per story	SBC Table 1021.1
		N/A	SBC Table 1015.1
	Occupant load of greater than 50 requires minimum of 2 exits per space.		SBC 1018.4 & FSC Table A7.6
Travel Requirements	REQUIRED	PROVIDED	REFERENCE

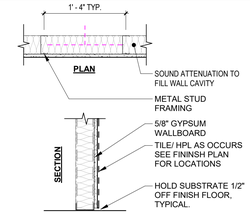
NOTE: EXIT LOCATIONS AND QUANTITIES ARE NOT BEING CHANGED



5 A001 SECOND FLOOR PLAN
Scale: 1/16" = 1'-0"



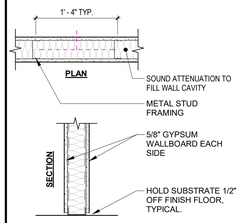
4 A001 FIRST FLOOR PHASING PLAN
Scale: 1/16" = 1'-0"



TAG	STUD SIZE	OVERALL WIDTH	UL DESIGN	STC RATING
A0a	7/8"	1 1/2"	N/A	N/A
A1a	1 5/8"	2 1/4"	N/A	N/A
A2a	2 1/2"	3 1/8"	N/A	N/A
A3a	3 5/8"	4 1/4"	N/A	N/A

REFER TO PARTITON TAG FOR HEAD CONDITION DETAIL, INSULATION INFORMATION (SHOWN HERE FOR REFERNCE ONLY - MAY NOT EXIST), AND FIRE RATING.

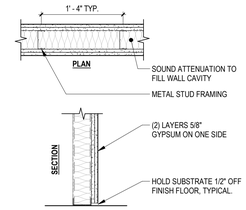
3 A001 PARTITION TYPE - A_a 1" = 1'-0"



TAG	STUD SIZE	OVERALL WIDTH	UL DESIGN	STC RATING
A3aa	3 5/8"	4 7/8"		
A6aa	6"	7 1/4"	N/A	N/A

REFER TO PARTITON TAG FOR HEAD CONDITION DETAIL, INSULATION INFORMATION (SHOWN HERE FOR REFERNCE ONLY - MAY NOT EXIST), AND FIRE RATING.

1 A001 PARTITION TYPE - A_aa 1" = 1'-0"

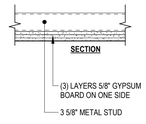


REFER TO PARTITON TAG FOR HEAD CONDITION DETAIL, INSULATION INFORMATION (SHOWN HERE FOR REFERNCE ONLY - MAY NOT EXIST), AND FIRE RATING.

TAG	STUD SIZE	OVERALL WIDTH	UL DESIGN	STC RATING
A6b	6"	7 1/4"	V497	N/A

6 A001 PARTITION TYPE - A_b 1" = 1'-0"

CEILING UL ASSEMBLY I504



- 1 HR. HORIZONTAL CEILING MEMBRANE FIRE RESISTANCE RATING
- 3 LAYERS OF GOLD BOND® FIRE-SHIELD® GYPSUM BOARD (TYPE X) FASTENED TO 3-5/8" STEEL STUDS AT 16" O.C. (20 GAUGE, .30 MIL)
- SPANS 8'-0" MAX. WITH SUSPENDED HANGER ASSEMBLY OPTION FOR SPANS OVER 8'-0"

7 A001 CEILING ASSEMBLY - UL I504

CORE TYPES

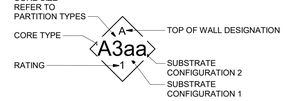
A	METAL STUD FRAMING / METAL FURRING
B	DOUBLE METAL STUD
C	STAGGERED METAL STUD
W	WOOD STUD FRAMING / WOOD FURRING
Y	STAGGERED WOOD STUD FRAMING

TOP OF WALL CONDITION

A	TO DECK / STRUCTURE ABOVE
B	6" ABOVE CEILING
C	CEILING HEIGHT

2 A001 PARTITION KEY

PARTITION TYPE TAG

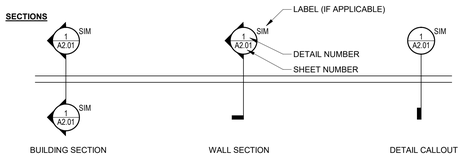


SUBSTRATE CONFIGURATIONS

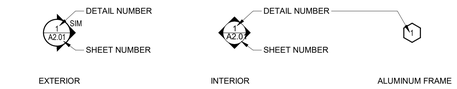
(none)	CORE ONLY
a.	5/8" GYPSUM WALL BOARD (1 LAYER)
b.	5/8" GYPSUM WALL BOARD (2 LAYERS)

STANDARD GRAPHIC LEGEND

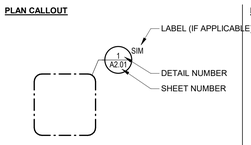
SECTIONS



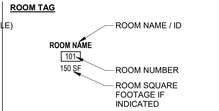
ELEVATIONS



PLAN CALLOUT

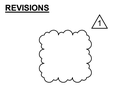


ROOM TAG



GRIDS

REVISIONS



LEVEL MARKER

SPOT ELEVATION

MASTER ABBREVIATION LIST

A.F.F.	ABOVE FINISH FLOOR	FB.	FIRE BLANKET	RAFL	RUBBERIZED ASPHALT FABRIC LAMINATE
AWP	ACOUSTIC WALL PANEL	F.E.	FIRE EXTINGUISHER		
AC	ACOUSTIC, ACOUSTICAL	F.T.R.	FIRE RETARDANT TREATED		
ACT	ACOUSTICAL TILE	FPRFG.	FIREPROOFING	SND	SANITARY NAPKIN DISPENSER
ADDN	ADDITION	FIXT.	FIXTURE	SNR	SANITARY NAPKIN RECEPTICAL
A/C.	AIR CONDITIONING	FLASH.	FLASHING	SCHED.	SCHEDULE
A.H.U.	AIR HANDLING UNIT	FLR.	FLOOR	SC	SCUPPER
ALT	ALTERNATE	F.D.	FLOOR DRAIN	SECT.	SECTION
ALUM.	ALUMINUM	FLR. FIN.	FLOOR FINISH	S.J.	SEISMIC JOINT
AB	ANCHOR BOLTS	FTG.	FOOTING	SHT.	SHEET
ANCH	ANCHOR, ANCHORAGE	FDN.	FOUNDATION	SIM.	SIMILAR
&	AND	FURN.	FURNISH, FURNISHED	S.H.	SMOKE HATCH
L	ANGLE	FURR.	FURRED, FURRING	SD	SOAP DISPENSER
ANOD.	ANODIZED			S.T.C.	SOUND TRANSMISSION CLASS
APPR.	APPROVED	GALV.	GALVANIZED	SPEC.	SPECIFICATIONS
ARCH.	ARCHITECT, ARCHITECTURAL	GA.	GAUGE	S.B.	SPLASH BLOCK
ASB.	ASBESTOS	G.B.	GRAB BAR	SQ.	SQUARE
ASPH.	ASPHALT	GYP. BD.	GYPSUM WALLBOARD	S.F.	SQUARE FEET (FOOT)
ASSY	ASSEMBLY			S.S.	STAINLESS STEEL
ASST	ASSISTANT	H.C.	HANDICAPPED	STD	STANDARD
@	AT	H.R.	HANDRAIL	STL	STEEL
AVN	AT VARIANCE WITH	HGT	HEIGHT	STOR.	STORAGE
AUTO.	AUTOMATIC	H.P.	HIGH POINT	STRUCT.	STRUCTURAL
		H.M.	HOLLOW METAL	SGFT	STRUCTURAL GLAZED FACING TILE
BM	BEAM	HORIZ.	HORIZONTAL		
BRG	BEARING	H.B.	HOSE BIBB	S.STL.	STRUCTURAL STEEL
BET.	BETWEEN			SUSP.	SUSPEND, SUSPENSION
BEV.	BEVEL,BEVELED	IN. OR "	INCH OR INCHES	SCB	SWING UP GRAB BAR
BIT.	BITUMINOUS	INCL.	INCLUDE, INCLUDING		
BLK.	BLOCK	INFO.	INFORMATION	TBD	TACKBOARD
BLKG	BLOCKING	I.D.	INSIDE DIAMETER	THRU	THROUGH
BD	BOARD	INSUL.	INSULATION	TPD	TOILET PAPER DISPENSER
BOTT.	BOTTOM	INT.	INTERIOR	T. & G.	TONGUE AND GROOVE
B.O.	BOTTOM OF			T.O.	TOP OF
B.F.	BRACE FRAME	K.P.	KICK PLATE	T.	TREAD
B.E.J.	BRICK EXPANSION JOINT			TYP.	TYPICAL
BLDG.	BUILDING	LAB.	LABORATORY		
B.U.R.	BUILT-UP-ROOFING	LAV.	LAVATORY	UCR	UNDER COUNTER REFRIGERATOR
		L.C.C.	LEAD COATED COPPER	UL	UNDERWRITERS' LABORATORIES, INC.
CAB.	CABINET	LTG.	LIGHTING		
C.U.H.	CABINET UNIT HEATER	L.P.	LOW POINT	U.H.	UNIT HEATER
CAP.	CAPACITY			U.V.	UNIT VENTILATOR
C.G.	CEILING	MACH.	MACHINE	U.O.N.	UNLESS OTHERWISE NOTED
CLG. HT.	CEILING HEIGHT	MAINT.	MAINTENANCE		
CEM.	CEMENT	MFR	MANUFACTURER	VTS	VENT STACK
CTR	CENTER	MBD	MARKER BOARD	VTR	VENT THROUGH ROOF
45	CENTERLINE	MAS.	MASONRY	VERT.	VERTICAL
CPB	CERAMIC PROJECTION BOARD	M.O.	MASONRY OPENING	VEST.	VESTIBULE
CER. T.	CERAMIC TILE	MATL	MATERIAL	VCT	VINYL COMPOSITION TILE
C.BD	CHALKBOARD	MAX.	MAXIMUM		
C	CHANNEL	MECH.	MECHANICAL	W.H.	WALL HYDRANT
CL.	CLOSET	MTL.	METAL	WPK	WALL PACK
C.F.M.F.	COLD FORMED METAL FRAME	MEZZ.	MEZZANINE	WP	WATERPROOFING
COL.	COLUMN	MIN.	MINIMUM	W.W.F.	WELDED WIRE FABRIC
CONC.	CONCRETE	M.W.F.	MIRROR WITH FRAME	W.BD.	WHITE BOARD
CONF.	CONFERENCE	MISC.	MISCELLANEOUS	W	WITH
CONT.	CONTINUOUS			WD	WOOD
CONTR.	CONTRACTOR	N	NORTH		
C.J.	CONTROL/CONSTRUCTION JOINT	N.I.C.	NOT IN CONTRACT	Z.C.C.	ZINC COATED COPPER
CORR.	CORRIDOR	N.T.S.	NOT TO SCALE		
CNL	COULD NOT LOCATE	NO. OR #	NUMBER		
CRS.	COURSE, COURSES				
D.H.	DOUBLE HUNG	OFF.	OFFICE		
		OAI.	OK AS IS		
DMPFG	DAMPPROOFING	O.C.	ON CENTER		
DEG.	DEGREE	O.H.	OPPOSITE HAND		
DEMO.	DEMOLITION	O.D.	OUTSIDE DIAMETER		
DEPT.	DEPARTMENT	O.R.D. / O.T.D.	OVERFLOW ROOF DRAIN		
DET.	DETAIL				
DIA.	DIAMETER				
DIM.	DIMENSION	PTD	PAINTED		
DIST.	DISTANCE	PR	PAIR		
DR	DOOR	PTD	PAPER TOWEL DISPENSER		
DBL.	DOUBLE	PASS.	PASSAGE		
DN	DOWN	PERP.	PERPENDICULAR		
D.S.	DOWNSPOUT	PLAS.	PLASTER		
DWG	DRAWING	PL. LAM.	PLASTIC LAMINATE		
D.F.	DRINKING FOUNTAIN	PL.	PLATE		
		PLBG	PLUMBING		
EA.	EACH	PLYWD	PLYWOOD		
EWC.	ELECTRIC WATER COOLER	PVC	POLYVINYL CHLORIDE		
ELEC.	ELECTRIC, ELECTRICAL	P/C	PRECAST		
ELEV.	ELEVATION	P.E.J.	PRECAST EXPANSION JOINT		
EL.	ELEVATOR	PREFAB.	PREFABRICATED		
EMERG.	EMERGENCY	P.T.	PRESSURE TREATED		
EQ.	EQUAL				
EQUIP.	EQUIPMENT	QTY	QUANTITY		
E.P.D.M.	ETHYLENE PROPYLENE DIENE MONOMER	Q.T.	QUARRY TILE		
E.F.	EXHAUST FAN	R.P.	RADIANT PANEL		
EXIST.	EXISTING	RAD.	RADIUS		
EFB	EXISTING FIRE BLANKET	R.W.C.	RAIN WATER CONDUCTOR		
EFE	EXISTING FIRE EXISTINGUISHER	R.W.L.	RAIN WATER LEADER		
E.R.D.	EXISTING ROOF DRAIN	RECV.	RECEIVING		
E.T.R.	EXISTING TO REMAIN	REFR.	REFRIGERATOR		
EVS	EXISTING VENT STACK	REINF.	REINFORCE		
EXP.	EXPANSION	R.A.	RELIEVING ANGLE		
E.J.	EXPANSION JOINT	REQ'D	REQUIRED		
EXT.	EXTERIOR	REV.	REVISED, REVISION		
E.I.	EXTERIOR INSULATION	R.	RISER		
		RAH	ROOF ACCESS HATCH/SCUTTLE		
FT	FEET, FOOT	R.D.	ROOF DRAIN		
F.R.G.P.	FIBER REINFORCED GYPSUM PANEL	R.F.	ROOF FAN		
		R.T.U.	ROOF TOP UNIT		
F.S.	FINISH SYSTEM	RM	ROOM		
FIN.	FINISH, FINISHED				

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

NO	DESCRIPTION	DATE
REVISIONS		

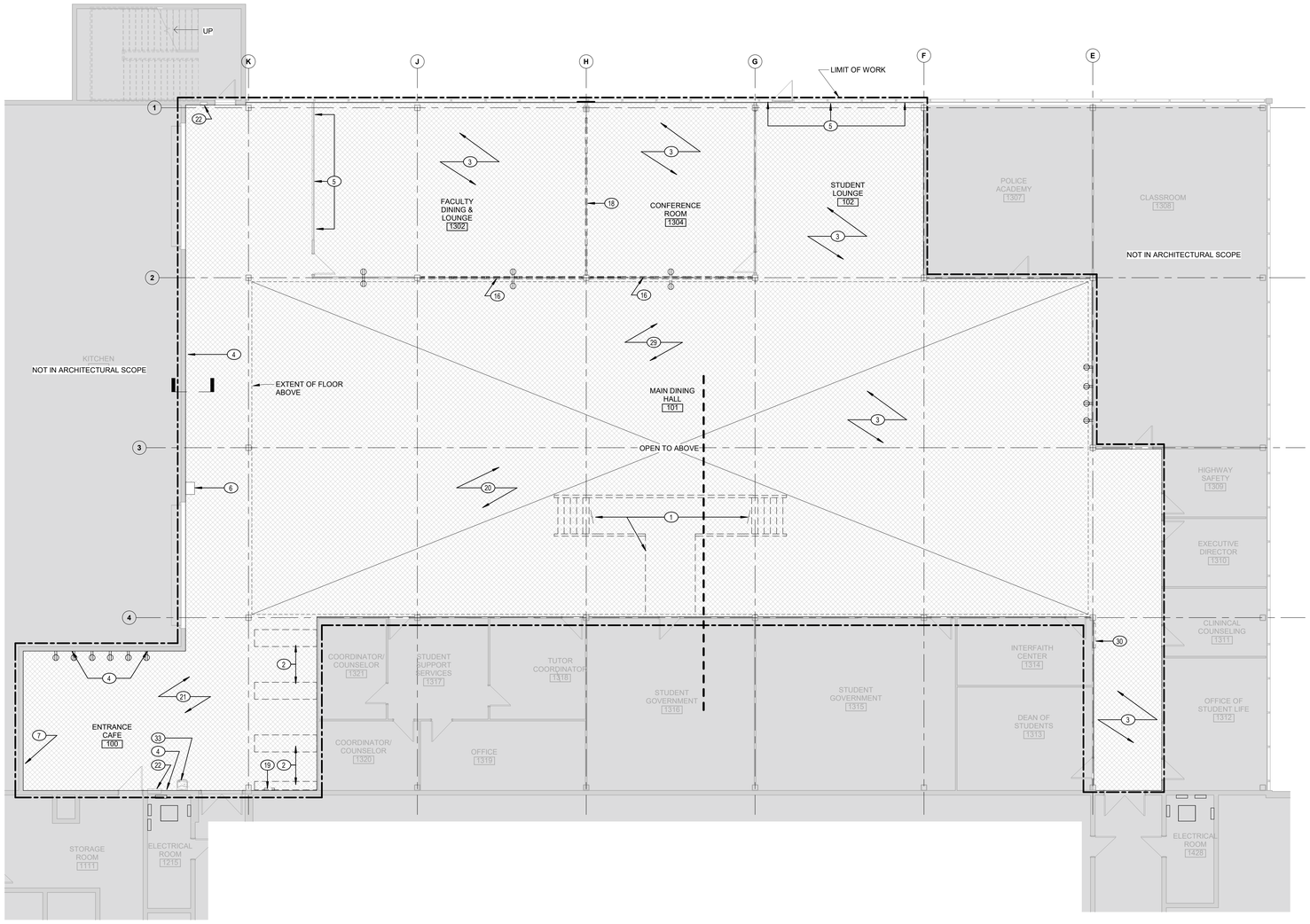
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title: GENERAL INFORMATION & CODE ANALYSIS

Sheet No.: A001

2/14/2025 4:10:53 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 AD101.1 FIRST FLOOR DEMOLITION PLAN
Scale: 1/8" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL, INCLUDING ALL COSTS FOR CARRYING AND DUMPING, OF ALL MATERIAL DEMOLISHED FROM THE PROJECT. THE CONTRACTOR SHALL PROVIDE OWNER WITH FIRST RIGHTS TO ALL MATERIALS, INCLUDING DOORS, HARDWARE, WINDOWS, ETC., BEFORE REMOVING FROM SITE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL EXISTING, TO REMAIN AREAS AND SURFACES AS NOTED AND/OR SHOWN. THIS INCLUDES ALL WORK NECESSARY TO READY SURFACES FOR NEW FINISH (N.I.C.) TO FOLLOW IN CONSTRUCTION PHASE. MATCH ALL ADJACENT MATERIALS WHERE PATCHING OCCURS.

3. ALL WALLS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED, UNLESS OTHERWISE NOTED. ANY WALL OR SURFACE BEING WORKED ON SHALL BE PATCHED AND REPAIRED WITH A COMPLETE FINISH TO THE NEAREST CORNER, CHANGE OF PLANE OR OTHER JUNCTURE WHICH ALLOWS FOR A SMOOTH AND CLEAN TRANSITION FROM THE NEWLY FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACES (THE INTENT IS TO AVOID THE APPEARANCE OF A PATCHED CONDITION).

4. UNLESS NOTED OTHERWISE, ALL FLOOR SURFACES/ FINISHES AND FLOORING BASE TRIM ARE TO BE REMOVED TO FLOOR SLAB AND DISCARDED. CLEAN AND PREPARE CONCRETE AS NECESSARY FOR REFINISHING.

5. IT IS NOT THE INTENT TO SHOW EVERY PIECE OR ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL AND OR OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL SHALL BE PERFORMED WHETHER SO NOTED OR NOT. PROTECT ALL ITEMS INTENDED FOR SALVAGE AND REUSE OR SCHEDULED TO REMAIN.

6. PRESERVE AND PROTECT ALL FLOOR, WALL, AND CEILING FINISHES TO REMAIN WHERE POSSIBLE IN AREAS OF DEMOLITION. PATCH TO MATCH AS REQUIRED.

7. REPAIR ALL REMAINING WALLS, CEILINGS AND FLOOR SURFACES WHERE DEMOLITION OCCURS. THIS INCLUDES MEP AND OTHER NECESSARY WORK IN CEILINGS AND WALLS AT FLOOR BELOW. SEE MEP DRAWINGS FOR PROBABLE EXTENT.

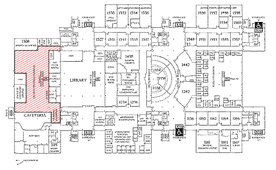
REFER TO MEP PLANS AND OR SPECS FOR SCOPE OF ALL MEP DEMOLITION.

DEMOLITION LEGEND

- EXISTING WALL
- EXISTING WALL TO BE REMOVED
- EXISTING WALL W/ WALL FINISH TO BE REMOVED
- EXISTING WINDOW AND FRAME TO BE REMOVED
- EXISTING DOOR
- EXISTING DOOR TO BE REMOVED
- EXISTING CEILING TO REMAIN
- EXISTING CEILING TO BE REMOVED
- FLOOR FINISH TO BE REMOVED
- EXTENT OF CARPET
- NOT IN ARCHITECTURAL SCOPE
- EXISTING 5'x5' METAL CEILING TO BE REMOVED

DEMOLITION KEYNOTES

1 REMOVE AND DISPOSE OF EXISTING STAIR AND RAIL IN ITS ENTIRETY, INCLUDING SUPPORT. FILL FASTENER HOLES, PATCH WALL AND FLOOR AND PREPARE FOR NEW FINISH.
2 REMOVE WITH CARE AND SALVAGE EXISTING LOCKERS. CLEAN AND PREPARE FOR RELOCATION. SEE CONSTRUCTION FLOOR PLAN FOR RELOCATION. TURN OVER REMAINING LOCKERS TO OWNER. FILL FASTENER HOLES, PATCH WALL AND FLOOR. PREPARE FOR NEW FINISH.
3 REMOVE EXISTING CARPET FLOORING SYSTEM, WALL BASE, TRANSITION STRIP AND ADHESIVE. PATCH, LEVEL WHERE NEEDED AND PREPARE FOR INSTALLATION OF NEW FLOORING.
4 REMOVE WITH CARE EXISTING DISPLAY CASES, SALVAGE AND TURN OVER TO OWNER. PATCH WALLS, FILL FASTENER HOLES AND PREPARE FOR REFINISHING.
5 REMOVE AND DISPOSE EXISTING WINDOW TREATMENT.
6 REMOVE WITH CARE AND SALVAGE EXISTING AED CABINET. COORDINATE NEW LOCATION WITH OWNER.
7 EXISTING VENDING MACHINES TO BE RELOCATED BY OWNER'S VENDOR. PATCH WALL & FLOORS, FILL FASTENER HOLES FOR REFINISHING.
16 REMOVE AND DISPOSE OF EXISTING STOREFRONT IN ITS ENTIRETY. FILL HOLES, LEVEL AND PREPARE FOR INSTALLATION OF NEW DOORS.
18 REMOVE AND DISPOSE OF ACCORDION PARTITION, TRACK & MECHANISM. PATCH ALL AFFECTED SURFACES AND PREPARE FOR INSTALLATION OF NEW DOOR.
19 REMOVE AND DISPOSE OF WATCHMAN PANEL. PATCH HOLES AND PREPARE WALL FOR NEW FINISH.
20 REMOVE EXISTING RUBBER FLOORING SYSTEM, WALL BASE,TRANSITION STRIP AND ADHESIVE. PATCH, LEVEL WHERE NEEDED AND PREPARE FOR INSTALLATION OF NEW FLOORING.
21 REMOVE EXISTING TILE FLOORING SYSTEM, WALL BASE, TRANSITION STRIP AND ADHESIVE. PATCH, LEVEL WHERE NEEDED AND PREPARE FOR INSTALLATION OF NEW FLOORING.
22 EXISTING FEC TO REMAIN.
29 CLIENT TO REMOVE USABLE FURNITURE PRIOR TO START OF WORK. GC TO REMOVE THE REMAINDER FURNITURE FOR DISPOSAL.
30 REMOVE EXISTING CORK BOARD.
33 REMOVE AND DISPOSE OF DRINKING WATER FOUNTAIN. PREPARE FOR INSTALLATION OF WATER BOTTLE FILLER.



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

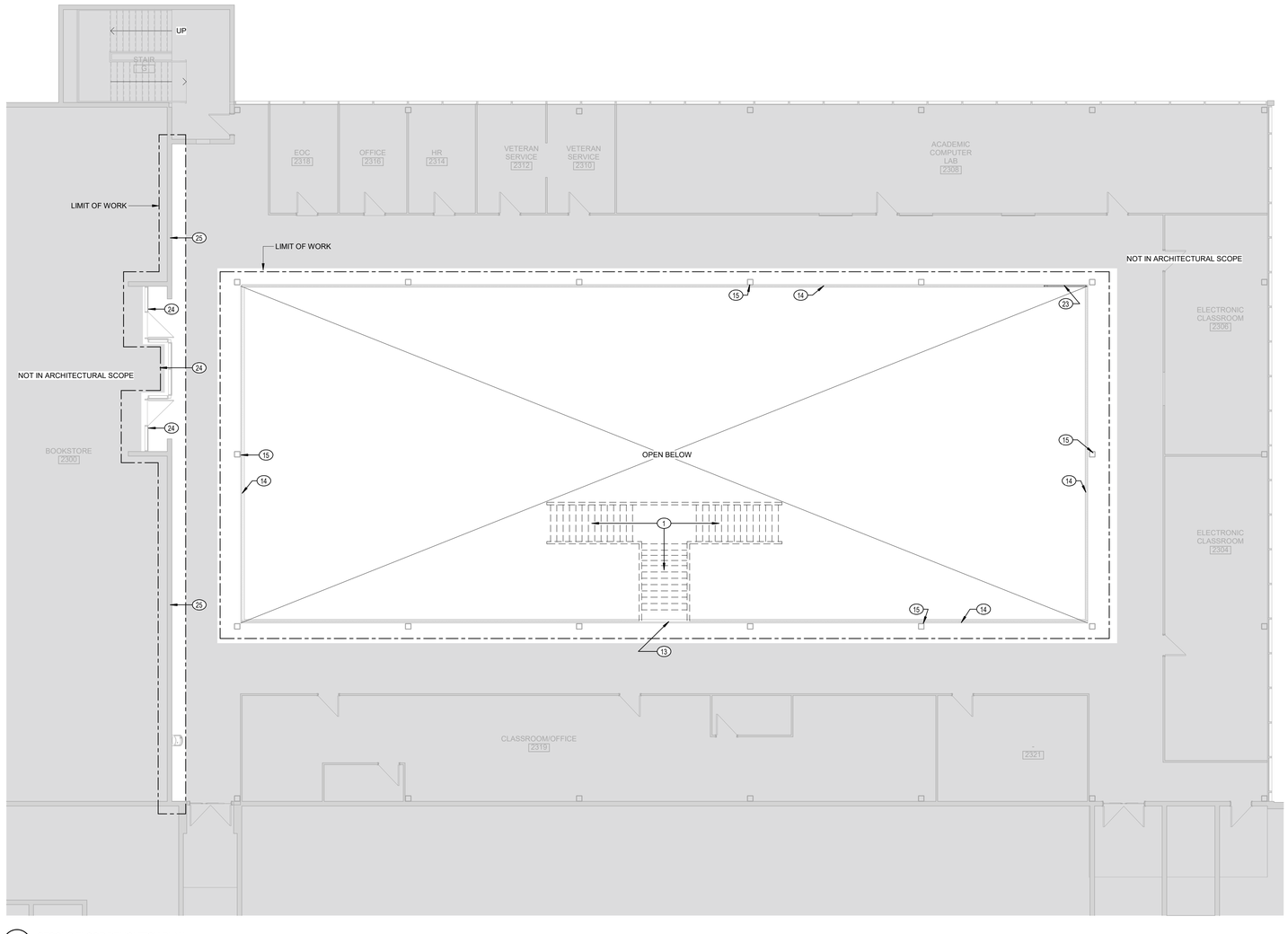
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
FIRST FLOOR DEMOLITION PLAN

Sheet No.
AD101.1

2/14/2025 4:10:54 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 / AD101.2 SECOND FLOOR DEMOLITION PLAN
Scale: 1/8" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL, INCLUDING ALL COSTS FOR CARRYING AND DUMPING, OF ALL MATERIAL DEMOLISHED FROM THE PROJECT. THE CONTRACTOR SHALL PROVIDE OWNER WITH FIRST RIGHTS TO ALL MATERIALS, INCLUDING DOORS, HARDWARE, WINDOWS, ETC., BEFORE REMOVING FROM SITE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL EXISTING, TO REMAIN AREAS AND SURFACES AS NOTED AND/OR SHOWN. THIS INCLUDES ALL WORK NECESSARY TO READY SURFACES FOR NEW FINISH (N.I.C.) TO FOLLOW IN CONSTRUCTION PHASE. MATCH ALL ADJACENT MATERIALS WHERE PATCHING OCCURS.

3. ALL WALLS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED, UNLESS OTHERWISE NOTED. ANY WALL OR SURFACE BEING WORKED ON SHALL BE PATCHED AND REPAIRED WITH A COMPLETE FINISH TO THE NEAREST CORNER, CHANGE OF PLANE OR OTHER JUNCTURE WHICH ALLOWS FOR A SMOOTH AND CLEAN TRANSITION FROM THE NEWLY FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACES (THE INTENT IS TO AVOID THE APPEARANCE OF A PATCHED CONDITION).

4. UNLESS NOTED OTHERWISE, ALL FLOOR SURFACES/ FINISHES AND FLOORING BASE TRIM ARE TO BE REMOVED TO FLOOR SLAB AND DISCARDED. CLEAN AND PREPARE CONCRETE AS NECESSARY FOR REFINISHING.

5. IT IS NOT THE INTENT TO SHOW EVERY PIECE OR ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL AND OR OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL SHALL BE PERFORMED WHETHER SO NOTED OR NOT. PROTECT ALL ITEMS INTENDED FOR SALVAGE AND REUSE OR SCHEDULED TO REMAIN.

6. PRESERVE AND PROTECT ALL FLOOR, WALL, AND CEILING FINISHES TO REMAIN WHERE POSSIBLE IN AREAS OF DEMOLITION. PATCH TO MATCH AS REQUIRED.

7. REPAIR ALL REMAINING WALLS, CEILINGS AND FLOOR SURFACES WHERE DEMOLITION OCCURS. THIS INCLUDES MEP AND OTHER NECESSARY WORK IN CEILINGS AND WALLS AT FLOOR BELOW. SEE MEP DRAWINGS FOR PROBABLE EXTENT.

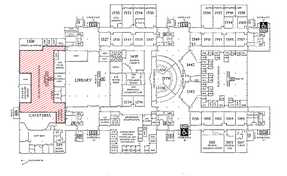
REFER TO MEP PLANS AND OR SPECS FOR SCOPE OF ALL MEP DEMOLITION.

DEMOLITION LEGEND

EXISTING WALL	EXISTING WALL TO BE REMOVED
EXISTING WALL W/ WALL FINISH TO BE REMOVED	EXISTING WINDOW AND FRAME TO BE REMOVED
EXISTING DOOR	EXISTING DOOR TO BE REMOVED
EXISTING CEILING TO REMAIN	EXISTING CEILING TO BE REMOVED
FLOOR FINISH TO BE REMOVED	EXTENT OF CARPET
NOT IN ARCHITECTURAL SCOPE	EXISTING 5'x5' METAL CEILING TO BE REMOVED

DEMOLITION KEYNOTES

1	REMOVE AND DISPOSE OF EXISTING STAIR AND RAIL IN ITS ENTIRETY, INCLUDING SUPPORT. FILL FASTENER HOLES, PATCH WALL AND FLOOR AND PREPARE FOR NEW FINISH.
13	PATCH AND REPAIR ALL SURFACES DAMAGED DUE TO REMOVAL OF STAIR, MATCH ADJOINING SURFACES.
14	PREPARE METAL RAILING FOR NEW FINISH. PREPARE WOOD RAILING FOR NEW STAIN AND FINISH.
15	PREPARE METAL COLUMN TO RECEIVE NEW FINISH, TYPICAL.
23	REMOVE AND DISPOSE OF EXISTING PORTION OF RAIL IN ITS ENTIRETY, INCLUDING SUPPORT. FILL FASTENER HOLES, PATCH WALL AND FLOOR AND PREPARE FOR NEW FINISH.
24	PREPARE STOREFRONT FRAME TO RECEIVE NEW FINISH.
25	PREPARE WALL TO RECEIVE NEW FINISH.



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

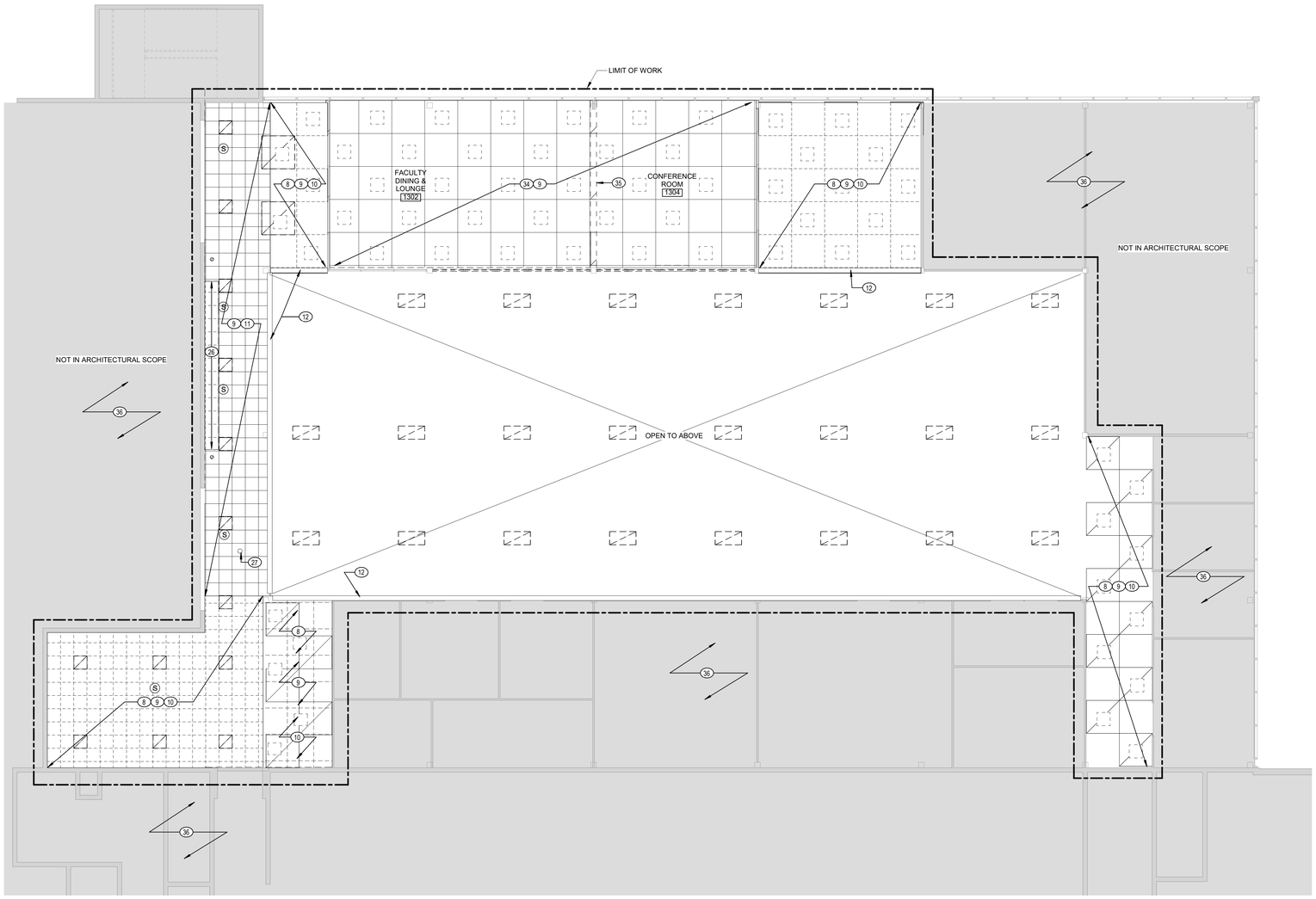
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
SECOND FLOOR DEMOLITION PLAN

Sheet No.
AD101.2

2/14/2025 4:10:55 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 AD102.1 RCP FIRST FLOOR DEMOLITON PLAN
Scale: 1/8" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL, INCLUDING ALL COSTS FOR CARRYING AND DUMPING, OF ALL MATERIAL DEMOLISHED FROM THE PROJECT. THE CONTRACTOR SHALL PROVIDE OWNER WITH FIRST RIGHTS TO ALL MATERIALS, INCLUDING DOORS, HARDWARE, WINDOWS, ETC., BEFORE REMOVING FROM SITE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL EXISTING, TO REMAIN AREAS AND SURFACES AS NOTED AND/OR SHOWN. THIS INCLUDES ALL WORK NECESSARY TO READY SURFACES FOR NEW FINISH (N.I.C.) TO FOLLOW IN CONSTRUCTION PHASE. MATCH ALL ADJACENT MATERIALS WHERE PATCHING OCCURS.

3. ALL WALLS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED, UNLESS OTHERWISE NOTED. ANY WALL OR SURFACE BEING WORKED ON SHALL BE PATCHED AND REPAIRED WITH A COMPLETE FINISH TO THE NEAREST CORNER, CHANGE OF PLANE OR OTHER JUNCTURE WHICH ALLOWS FOR A SMOOTH AND CLEAN TRANSITION FROM THE NEWLY FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACES (THE INTENT IS TO AVOID THE APPEARANCE OF A PATCHED CONDITION).

4. UNLESS NOTED OTHERWISE, ALL FLOOR SURFACES/ FINISHES AND FLOORING BASE TRIM ARE TO BE REMOVED TO FLOOR SLAB AND DISCARDED. CLEAN AND PREPARE CONCRETE AS NECESSARY FOR REFINISHING.

5. IT IS NOT THE INTENT TO SHOW EVERY PIECE OR ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL AND OR OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL SHALL BE PERFORMED WHETHER SO NOTED OR NOT. PROTECT ALL ITEMS INTENDED FOR SALVAGE AND REUSE OR SCHEDULED TO REMAIN.

6. PRESERVE AND PROTECT ALL FLOOR, WALL, AND CEILING FINISHES TO REMAIN WHERE POSSIBLE IN AREAS OF DEMOLITION. PATCH TO MATCH AS REQUIRED.

7. REPAIR ALL REMAINING WALLS, CEILINGS AND FLOOR SURFACES WHERE DEMOLITION OCCURS. THIS INCLUDES MEP AND OTHER NECESSARY WORK IN CEILINGS AND WALLS AT FLOOR BELOW. SEE MEP DRAWINGS FOR PROBABLE EXTENT.

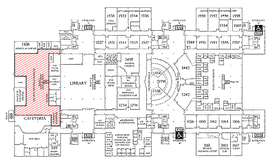
REFER TO MEP PLANS AND OR SPECS FOR SCOPE OF ALL MEP DEMOLITION.

DEMOLITION LEGEND

EXISTING WALL	EXISTING WALL TO BE REMOVED
EXISTING WALL W/ WALL FINISH TO BE REMOVED	EXISTING WINDOW AND FRAME TO BE REMOVED
EXISTING DOOR	EXISTING DOOR TO BE REMOVED
EXISTING CEILING TO REMAIN	EXISTING CEILING TO BE REMOVED
FLOOR FINISH TO BE REMOVED	EXTENT OF CARPET
NOT IN ARCHITECTURAL SCOPE	EXISTING 5'x5' METAL CEILING TO BE REMOVED

DEMOLITION KEYNOTES

8	REMOVE & DISPOSE CEILING IN ITS ENTIRETY.
9	REMOVE & DISPOSE LIGHT FIXTURES. CAREFULLY REMOVE EXISTING EXIT SIGNS AND REINSTALL IN NEW CEILING.
10	REMOVE & DISPOSE MECHANICAL GRILLES AND REGISTERS - SEE MECHANICAL PLANS.
11	REMOVE & DISPOSE OF ACT TILES. PREPARE FOR REINSTALLATION ON NEW TILES.
12	EXISTING SOFFIT WITH MECHANICAL REGISTER TO REMAIN.
26	REMOVE AND DISPOSE OF EXISTING PORTION OF ACT CEILING. PATCH WALLS ANE PREPARE FOR INSTALLATION ON NEW SOFFIT.
27	EXISTING SECURITY CAMERA TO REMAIN.
34	CAREFULLY REMOVE AND DISPOSE OF GRID PANELS. CLEAN GRID AND PREPARE FOR INFILLING WITH NEW GRID.
35	REMOVE AND DISPOSE OF WOOD SOFFIT. PREPARE FOR INSTALLATION OF NEW SOFFIT.
36	PROVIDE TEMPORARY PROTECTION ABOVE CEILING TO ISOLATE THE RETURN AIR PLENUM TO PROTECT AREAS OUTSIDE THE LIMIT OF SCOPE.



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

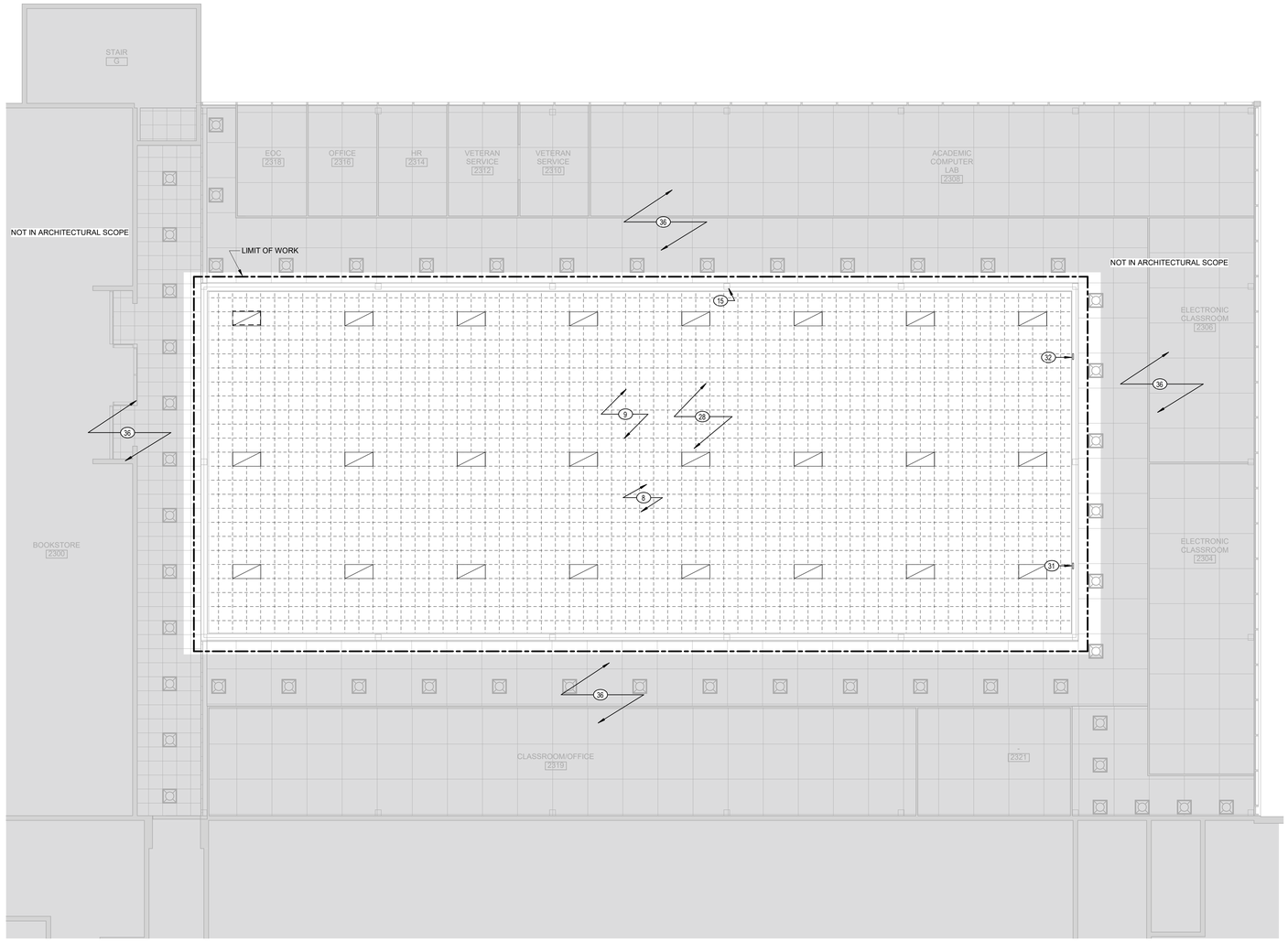
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
RCP FIRST FLOOR DEMOLITON PLAN

Sheet No.
AD102.1

2/14/2025 4:10:55 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 AD102.2 RCP SECOND FLOOR DEMOLITON PLAN
Scale: 1/8" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL, INCLUDING ALL COSTS FOR CARRYING AND DUMPING, OF ALL MATERIAL DEMOLISHED FROM THE PROJECT. THE CONTRACTOR SHALL PROVIDE OWNER WITH FIRST RIGHTS TO ALL MATERIALS, INCLUDING DOORS, HARDWARE, WINDOWS, ETC., BEFORE REMOVING FROM SITE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL EXISTING, TO REMAIN AREAS AND SURFACES AS NOTED AND/OR SHOWN. THIS INCLUDES ALL WORK NECESSARY TO READY SURFACES FOR NEW FINISH (N.I.C.) TO FOLLOW IN CONSTRUCTION PHASE. MATCH ALL ADJACENT MATERIALS WHERE PATCHING OCCURS.
3. ALL WALLS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED, UNLESS OTHERWISE NOTED. ANY WALL OR SURFACE BEING WORKED ON SHALL BE PATCHED AND REPAIRED WITH A COMPLETE FINISH TO THE NEAREST CORNER, CHANGE OF PLANE OR OTHER JUNCTURE WHICH ALLOWS FOR A SMOOTH AND CLEAN TRANSITION FROM THE NEWLY FINISHED SURFACE TO THE SURROUNDING EXISTING SURFACES (THE INTENT IS TO AVOID THE APPEARANCE OF A PATCHED CONDITION).
4. UNLESS NOTED OTHERWISE, ALL FLOOR SURFACES/ FINISHES AND FLOORING BASE TRIM ARE TO BE REMOVED TO FLOOR SLAB AND DISCARDED. CLEAN AND PREPARE CONCRETE AS NECESSARY FOR REFINISHING.
5. IT IS NOT THE INTENT TO SHOW EVERY PIECE OR ITEM TO BE REMOVED IN DEMOLITION WORK. MECHANICAL, ELECTRICAL AND OR OTHER WORK RELATED TO A WALL OR AREA SCHEDULED FOR DEMOLITION AND REMOVAL SHALL BE PERFORMED WHETHER SO NOTED OR NOT. PROTECT ALL ITEMS INTENDED FOR SALVAGE AND REUSE OR SCHEDULED TO REMAIN.
6. PRESERVE AND PROTECT ALL FLOOR, WALL, AND CEILING FINISHES TO REMAIN WHERE POSSIBLE IN AREAS OF DEMOLITION. PATCH TO MATCH AS REQUIRED.
7. REPAIR ALL REMAINING WALLS, CEILINGS AND FLOOR SURFACES WHERE DEMOLITION OCCURS. THIS INCLUDES MEP AND OTHER NECESSARY WORK IN CEILINGS AND WALLS AT FLOOR BELOW. SEE MEP DRAWINGS FOR PROBABLE EXTENT.

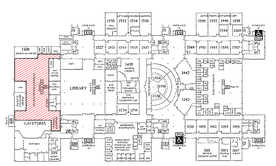
REFER TO MEP PLANS AND OR SPECS FOR SCOPE OF ALL MEP DEMOLITION.

DEMOLITION LEGEND

- EXISTING WALL
- EXISTING WALL TO BE REMOVED
- EXISTING WALL W/ WALL FINISH TO BE REMOVED
- EXISTING WINDOW AND FRAME TO BE REMOVED
- EXISTING DOOR
- EXISTING DOOR TO BE REMOVED
- EXISTING CEILING TO REMAIN
- EXISTING CEILING TO BE REMOVED
- FLOOR FINISH TO BE REMOVED
- EXTENT OF CARPET
- NOT IN ARCHITECTURAL SCOPE
- EXISTING 5'x5' METAL CEILING TO BE REMOVED

DEMOLITION KEYNOTES

8	REMOVE & DISPOSE CEILING IN ITS ENTIRETY.
9	REMOVE & DISPOSE LIGHT FIXTURES. CAREFULLY REMOVE EXISTING EXIT SIGNS AND REINSTALL IN NEW CEILING.
15	PREPARE METAL COLUMN TO RECEIVE NEW FINISH, TYPICAL.
28	EXISTING MECHANICAL EQUIPMENT AND ACCESSORIES TO REMAIN.
31	EXISTING BEAM DETECTOR TO REMAIN.
32	EXISTING BEAM DETECTOR TO BE RELOCATED. SEE A102.2 FOR NEW LOCATION.
36	PROVIDE TEMPORARY PROTECTION ABOVE CEILING TO ISOLATE THE RETURN AIR PLENUM TO PROTECT AREAS OUTSIDE THE LIMIT OF SCOPE.



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

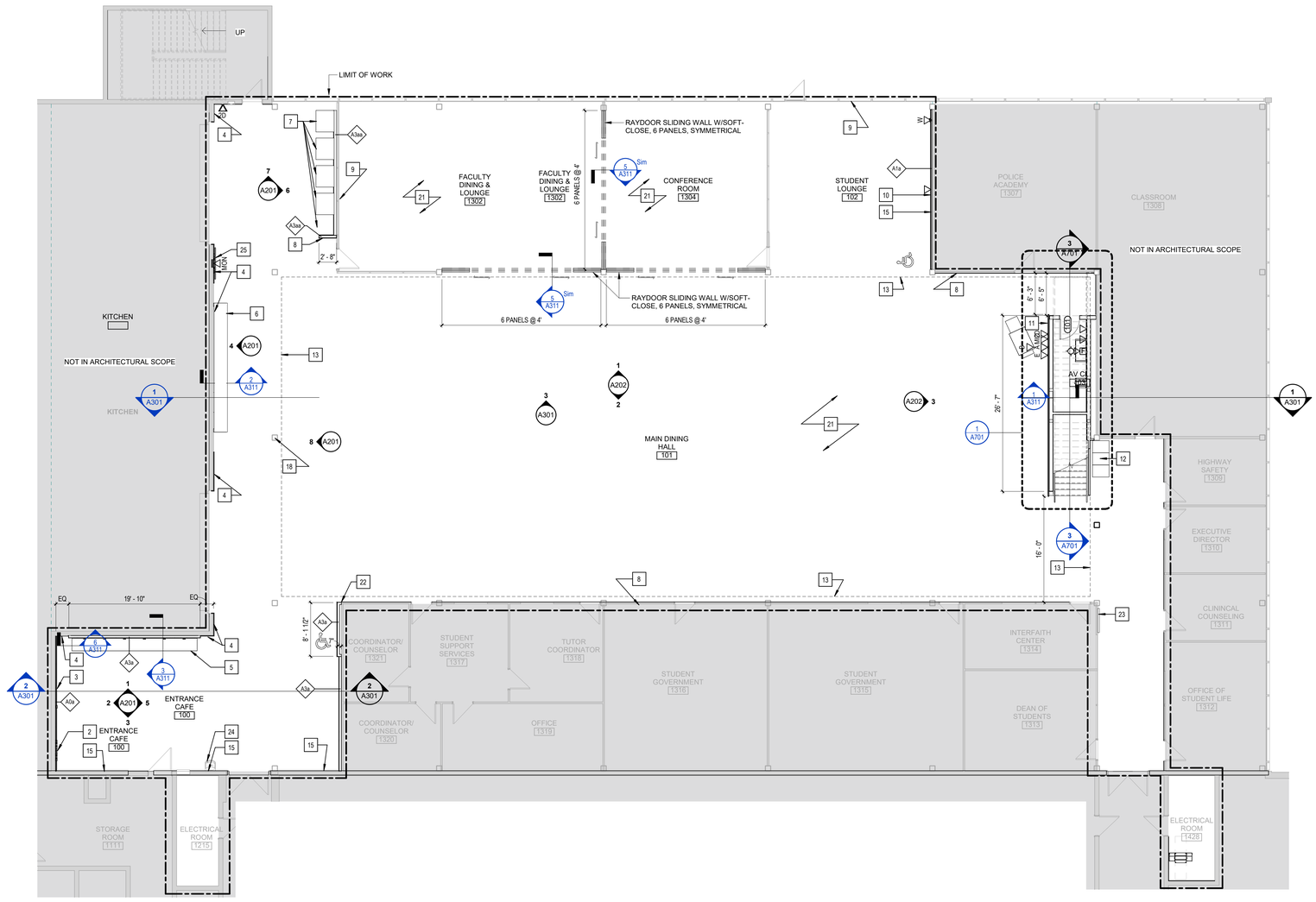
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
RCP SECOND FLOOR DEMOLITON PLAN

Sheet No.
AD102.2

2/14/2025 4:10:56 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 FIRST FLOOR PLAN
1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. REFER TO DRAWING A001 FOR TYPICAL ABBREVIATIONS AND TYPICAL GRAPHIC LEGEND
2. REFER TO DRAWING A001 FOR INTERIOR PARTITION SCHEDULE
3. REFER TO DRAWING A601 FOR DOOR AND FRAME INFORMATION
4. REFER TO DRAWING SERIES A800 FOR FINISH SCHEDULE AND ADDITIONAL FINISH INFORMATION
5. REFER TO ENLARGE PLANS FOR ADDITIONAL DIMENSIONS
6. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF METAL STUD, AND TO THE CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE.
7. PROVIDE FLOOR TRANSITION STRIPS AT ALL FLOOR FINISH CHANGES REFER TO FINISH DRAWINGS FOR DETAILS
8. REFER TO ENLARGE PLANS FOR ADDITIONAL DIMENSIONS
9. PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING OR STEEL FLAT STRAP AND BACKING PLATE AT ALL CASEWORK, MILLWORK AND ALL OTHER WALL MOUNTED EQUIPMENT AND DEVICES.
10. ALL EXISTING TO REMAIN ITEMS ADJACENT TO OR DISTURBED BY NEW CONSTRUCTION ARE TO BE PATCHED / REPAIRED TO MATCH EXISTING OR ADJACENT NEW CONSTRUCTION.
11. WHERE NEW PARTITIONS ARE ALIGNED WITH EXISTING, ALIGN FROM FINISH FACE OF BOTH. IF PARTITIONS ARE TO ATTACH, MAKE TRANSITION SMOOTH UNIFORM SURFACE.
12. PROVIDE ANY OPENINGS REQUIRED FOR MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY INSTALLATION OF NEW CONSTRUCTION AND REPAIR TO MATCH EXISTING.
13. PATCH AND LEVEL EXISTING FLOOR / CONCRETE SLAB AT ALL LOCATIONS AS REQUIRED.
14. PREPARE ALL EXISTING SURFACES TO RECIEVE NEW FINISHES AS REQUIRED.

CONSTRUCTION LEGEND

- EXISTING WALL
- NEW WALL
- EXISTING DOOR
- FLOOR FINISH TO BE REPLACED
- 101A — DOOR TAG
- 11 — WINDOW TAG
- 1 / 1 — PARTITION TAG
- NOT IN ARCHITECTURAL SCOPE

PLAN KEYNOTES

2 CAST ALUMINUM SIGNAGE LETTERS MOUNTED ON PRIMED AND STAINED WOOD SLATS, SEE ELEVATIONS.
3 DIGITAL PRINT APPLIED TO ALUMINUM OVER LAMINATE.
4 WALL TILE OVER EXISTING CMU. PREPARE BLOCK SURFACE TO ENSURE IT IS FREE OF ANY CRACKS, CLEAN AND PLUMB. INSTALL PER TCNA HANDBOOK. SYSTEM W202E. USE CEMENTITIOUS BOND COAT AGAINST THE CMU WALL AND TILE OVER BOND.
5 SOLID SURFACE COUNTERTOP ON WALL MOUNTED BRACKETS.
6 SOLID SURFACE COUNTERTOP OVER PLAM ON PLYWOOD BASE CABINETS.
7 VENDING MACHINES RELOCATED BY OWNER'S VENDORS. PROVIDE ELECTRICAL OUTLETS - SEE ELECTRICAL. COORDINATE RELOCATION WITH OWNER.
8 WALL MOUNTED CAST ALUMINUM SIGNAGE LETTERS.
9 FULL HEIGHT WINDOW TREATMENT.
10 LCD SCREEN - SEE AV. PROVIDE BLOCKING.
11 HORIZONTAL WOOD WORKS GRILLE FORTE AT/AND AROUND LED DISPLAY SCREEN. SEE AV DRAWINGS FOR SCREEN.
12 (3) SALVAGED LOCKERS. COORDINATE WITH OWNER.
13 EXTENT OF FLOOR ABOVE.
15 PAINT WALL AS SCHEDULED.
18 PAINT ALL EXISTING STEEL COLUMNS IN SCOPE AREA.
21 INSTALL NEW CARPET, SEE FINISH PLAN. INSTALL TRANSITION STRIPS PER MANUFACTURER'S SPECIFICATIONS AT ALL FLOORING TRANSITIONS IN SCOPE AREAS.
22 1/2" REVEAL AT CONNECTION BETWEEN NEW AND EXISTING WALL
23 ENCASED BULLETIN BOARD
24 WATER BOTTLE FILLER ELKAY EZH2O.
25 WALL MOUNTED MONITOR. SEE TECHNOLOGY SERIES. COORDINATE WITH OWNER MOUNTING HEIGHT.

KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DESCRIPTION	DATE

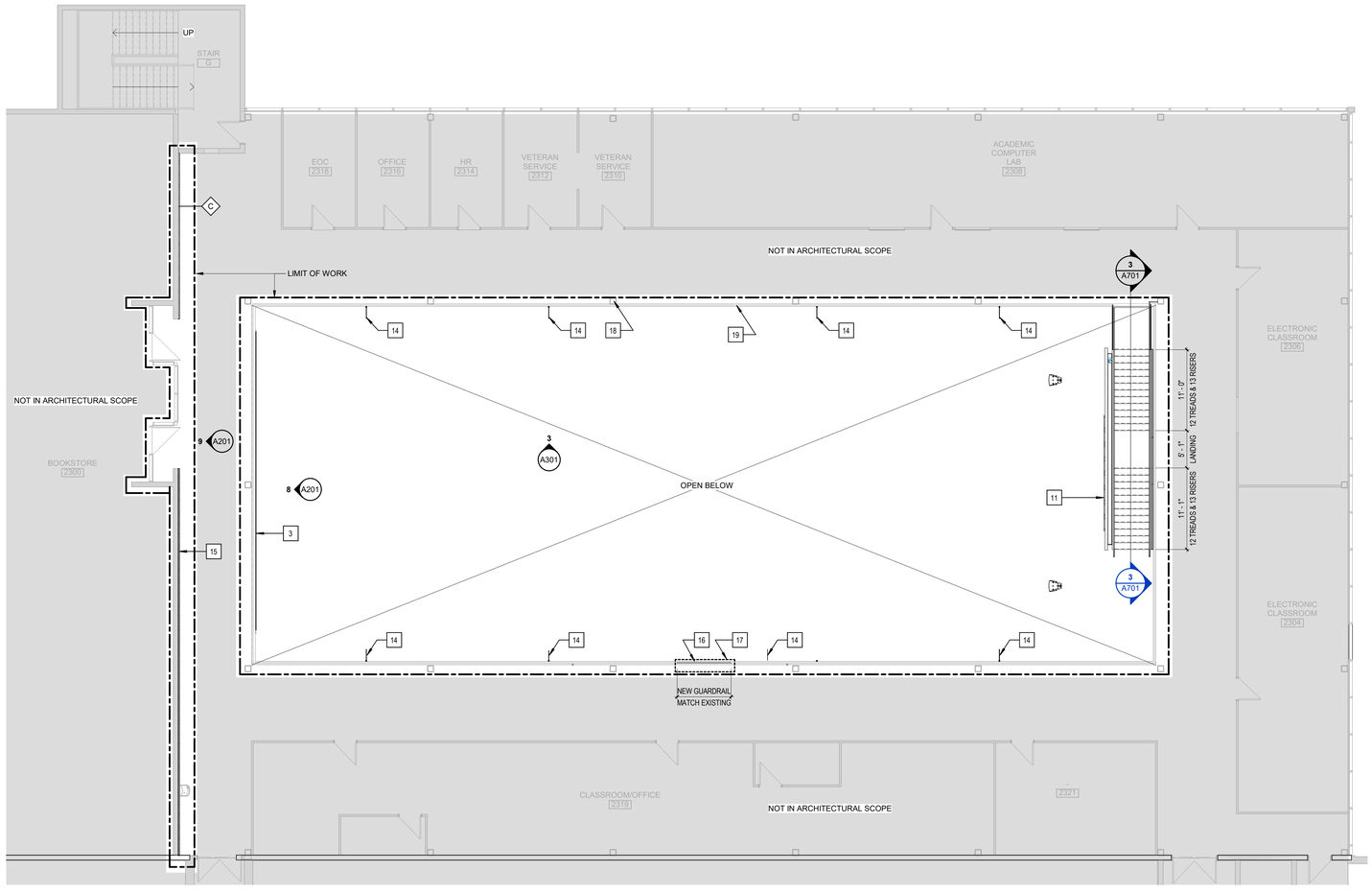
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
FIRST FLOOR PLAN

Sheet No.
A101.1

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

2/14/2025 4:10:57 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt



1 A101.2 SECOND FLOOR PLAN
Scale: 1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

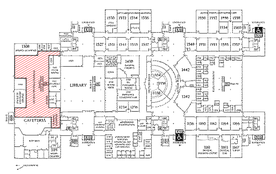
1. REFER TO DRAWING A001 FOR TYPICAL ABBREVIATIONS AND TYPICAL GRAPHIC LEGEND
2. REFER TO DRAWING A001 FOR INTERIOR PARTITION SCHEDULE
3. REFER TO DRAWING A601 FOR DOOR AND FRAME INFORMATION
4. REFER TO DRAWING SERIES A800 FOR FINISH SCHEDULE AND ADDITIONAL FINISH INFORMATION
5. REFER TO ENLARGE PLANS FOR ADDITIONAL DIMENSIONS
6. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF METAL STUD, AND TO THE CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE.
7. PROVIDE FLOOR TRANSITION STRIPS AT ALL FLOOR FINISH CHANGES REFER TO FINISH DRAWINGS FOR DETAILS
8. REFER TO ENLARGE PLANS FOR ADDITIONAL DIMENSIONS
9. PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING OR STEEL FLAT STRAP AND BACKING PLATE AT ALL CASEWORK, MILLWORK AND ALL OTHER WALL MOUNTED EQUIPMENT AND DEVICES.
10. ALL EXISTING TO REMAIN ITEMS ADJACENT TO OR DISTURBED BY NEW CONSTRUCTION ARE TO BE PATCHED / REPAIRED TO MATCH EXISTING OR ADJACENT NEW CONSTRUCTION.
11. WHERE NEW PARTITIONS ARE ALIGNED WITH EXISTING, ALIGN FROM FINISH FACE OF BOTH. IF PARTITIONS ARE TO ATTACH, MAKE TRANSITION SMOOTH UNIFORM SURFACE.
12. PROVIDE ANY OPENINGS REQUIRED FOR MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY INSTALLATION OF NEW CONSTRUCTION AND REPAIR TO MATCH EXISTING.
13. PATCH AND LEVEL EXISTING FLOOR / CONCRETE SLAB AT ALL LOCATIONS AS REQUIRED.
14. PREPARE ALL EXISTING SURFACES TO RECIEVE NEW FINISHES AS REQUIRED.

CONSTRUCTION LEGEND

EXISTING WALL
NEW WALL
EXISTING DOOR
FLOOR FINISH TO BE REPLACED
101A DOOR TAG
11 WINDOW TAG
1 PARTITION TAG
NOT IN ARCHITECTURAL SCOPE

PLAN KEYNOTES

3 DIGITAL PRINT APPLIED TO ALUMINUM OVER LAMINATE.
11 HORIZONTAL WOOD WORKS GRILLE FORTE AT/AND AROUND LED DISPLAY SCREEN. SEE AV DRAWINGS FOR SCREEN.
14 WALL MOUNTED BLADE SIGNS WITH INTEGRAL LIGHTING.
15 PAINT WALL AS SCHEDULED.
16 INFILL GUARDRAIL TO MATCH EXISTING.
17 REPLACE ANY FLOOR FINISH DAMAGED DUE TO REMOVAL OF STAIRS, MATCH EXISTING.
18 PAINT ALL EXISTING STEEL COLUMNS IN SCOPE AREA.
19 STAIN AND FINISH ALL EXISTING WOOD RAILING ON SECOND FLOOR.



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

NO	DATE	DESCRIPTION

REVISIONS

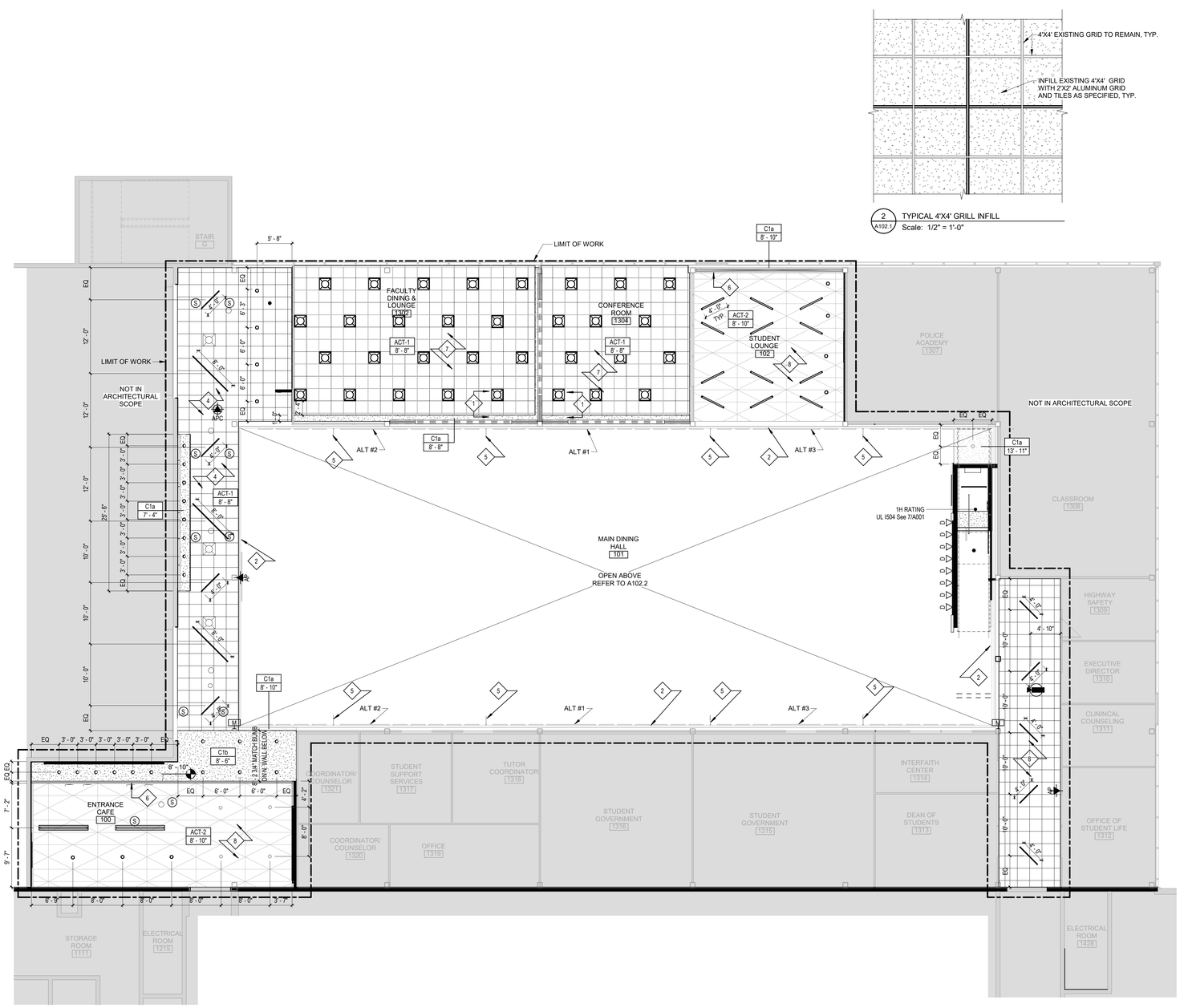
Designed: CR
Drawn: LA
Reviewed: CR
Project No.: 2400014
Date: 02/14/2025
Issued for: BID

Title: SECOND FLOOR PLAN

Sheet No. A101.2

2/14/2025 4:10:58 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

2 TYPICAL 4'X4' GRILL INFILL
A102.1 Scale: 1/2" = 1'-0"

CEILING PLAN GENERAL NOTES

1. "EXP" OR "EXPOSED" CEILING INDICATES THE STRUCTURE AND ANY MEP ELEMENTS IN THIS SPACE ARE TO BE EXPOSED AND PAINTED TO CREATE A FINISHED SPACE
2. REFLECTED CEILING PLANS ARE INTENDED FOR COORDINATION PURPOSES FOR MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND ARCHITECTURAL ELEMENTS. REFER TO RESPECTIVE DRAWINGS FOR SPECIFIC REQUIREMENTS.
3. LIGHT FIXTURE SYMBOLS ON REFLECTED CEILING PLANS ARE DIAGRAMMATIC AND FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR TYPE OF LIGHT FIXTURES. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR QUANTITY OF LIGHT FIXTURES AS INDICATED ON ELECTRICAL DRAWINGS.
4. REFER TO FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR LOCATION OF SPRINKLER PIPING AND ADDITIONAL SPRINKLER HEADS. ALL SPRINKLER PIPING SHALL BE LOCATED ABOVE FINISHED CEILING UNLESS NOTED OTHERWISE. ADVISE ARCHITECT OF ANY CONFLICTS WHICH MUST BE RESOLVED PRIOR TO INSTALLATION.
5. ANY CEILING MOUNTED DEVICES INSTALLED ON A PANELIZED CEILING SHALL BE CENTERED ON PANELS OR GRIDS UNLESS OTHERWISE NOTED.
6. SEE A311 FOR CEILING AND SOFFIT DETAILS
7. FOR REGISTER AND DIFFUSER SCHEDULES, REFER TO MECHANICAL DRAWINGS.
8. CONTRACTOR TO LOCATE MEP AND AVIT COMPONENTS THAT REQUIRE SERVICING INTO ACCESSIBLE CEILING AREAS TO THE GREATEST EXTENT POSSIBLE.
9. COORDINATE ACCESS PANEL LOCATIONS WITH MECHANICAL TRADES; SUBMIT PROPOSED LOCATIONS TO ARCHITECT FOR APPROVAL.
10. SEE SPECIFICATIONS FOR INFORMATION ON SEISMIC RESTRAINT OF CEILING SYSTEMS

CEILING LEGEND

EXISTING WALL
NEW WALL

CEILING TAG
CEILING TYPE DESIGNATION
CEILING HEIGHT

CEILING DESIGNATIONS
C1a PAINTED GWB (WHITE)
C1b PAINTED GWB (OTHER)
ACT-1 ACOUSTIC CEILING TILE (24 X 24)
ACT-2 ACOUSTICAL CEILING TILE (CUSTOM)
LACT-1 LINEAR ACOUSTICAL CEILING

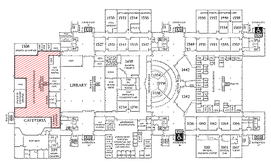
- 2'X2' ACOUSTICAL CEILING TILE
- 2'X4' ACOUSTICAL CEILING TILE
- GYPSUM BOARD CEILING
- SOUND ABSORPTION PANEL SYSTEM
- ACT DESIGN FLEX CEILING
- NOT IN ARCHITECTURAL SCOPE
- LINEAR SURFACE MOUNTED LIGHT FIXTURE (VARIOUS LENGTHS)
- RECESSED DOWNLIGHT
- DOUBLE HEIGHT CEILING
- H1 BOTTOM OF SOUNDSCAPE BLADE 21' - 2"
- H2 BOTTOM OF SOUNDSCAPE BLADE 22' - 6"
- G1 BOTTOM OF LIGHT FIXTURE 15' - 11"
- G2 BOTTOM OF LIGHT FIXTURE 17' - 8"
- G3 BOTTOM OF LIGHT FIXTURE 19' - 8"

ALTERNATES

ALTERNATE #1 - (2) LED SCREENS
ALTERNATE #2 - (2) LED SCREENS
ALTERNATE #3 - (2) LED SCREENS

RCP KEYNOTES

1 ALIGN ACT WITH GYPSUM BOARD CEILING.
2 PAINT SOFFIT AT PERIMETER OF DOUBLE HEIGHT SPACE
4 NEW ACT CEILING TILES.
5 WALL MOUNTED FIN WITH INTEGRAL LIGHTING & CUSTOM DIGITAL PRINT. SEE GRAPHICS PACKAGE.
6 CONTINUOUS LINEAR DIFFUSER.
7 NEW 2x2 ACT INFILL IN EXISTING GRID PER DETAIL 2/A102.1
8 NEW ACT TILE AND GRID.



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

NO	DATE	DESCRIPTION

REVISIONS

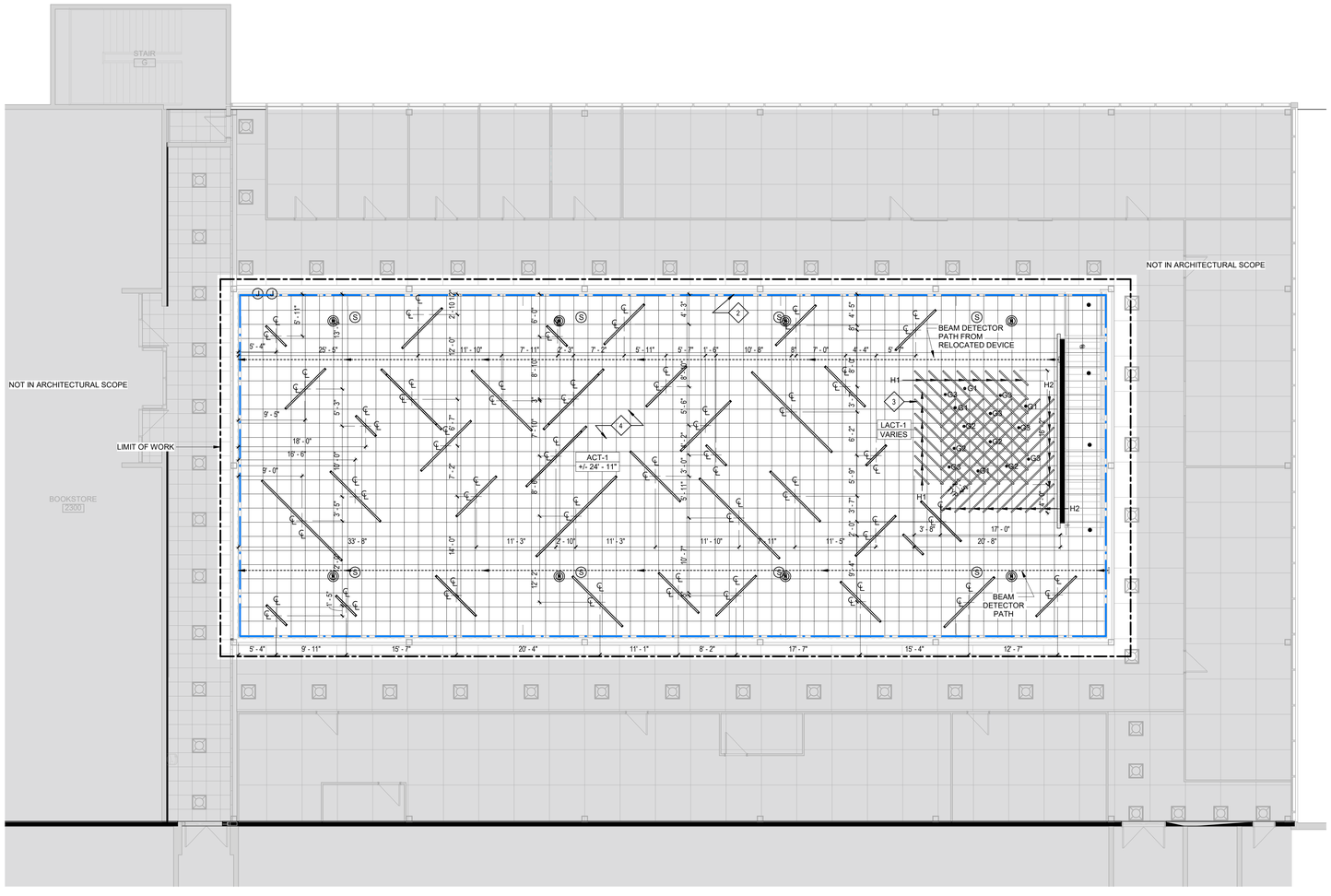
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title: FIRST FLOOR REFLECTED CEILING PLAN

Sheet No. A102.1

2/14/2025 4:10:59 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 SECOND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

CEILING PLAN GENERAL NOTES

1. "EXP" OR "EXPOSED" CEILING INDICATES THE STRUCTURE AND ANY MEP ELEMENTS IN THIS SPACE ARE TO BE EXPOSED AND PAINTED TO CREATE A FINISHED SPACE
2. REFLECTED CEILING PLANS ARE INTENDED FOR COORDINATION PURPOSES FOR MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND ARCHITECTURAL ELEMENTS. REFER TO RESPECTIVE DRAWINGS FOR SPECIFIC REQUIREMENTS.
3. LIGHT FIXTURE SYMBOLS ON REFLECTED CEILING PLANS ARE DIAGRAMMATIC AND FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR TYPE OF LIGHT FIXTURES. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR QUANTITY OF LIGHT FIXTURES AS INDICATED ON ELECTRICAL DRAWINGS.
4. REFER TO FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR LOCATION OF SPRINKLER PIPING AND ADDITIONAL SPRINKLER HEADS. ALL SPRINKLER PIPING SHALL BE LOCATED ABOVE FINISHED CEILING UNLESS NOTED OTHERWISE. ADVISE ARCHITECT OF ANY CONFLICTS WHICH MUST BE RESOLVED PRIOR TO INSTALLATION.
5. ANY CEILING MOUNTED DEVICES INSTALLED ON A PANELIZED CEILING SHALL BE CENTERED ON PANELS OR GRIDS UNLESS OTHERWISE NOTED.
6. SEE A311 FOR CEILING AND SOFFIT DETAILS
7. FOR REGISTER AND DIFFUSER SCHEDULES, REFER TO MECHANICAL DRAWINGS.
8. CONTRACTOR TO LOCATE MEP AND AVIT COMPONENTS THAT REQUIRE SERVICING INTO ACCESSIBLE CEILING AREAS TO THE GREATEST EXTENT POSSIBLE.
9. COORDINATE ACCESS PANEL LOCATIONS WITH MECHANICAL TRADES; SUBMIT PROPOSED LOCATIONS TO ARCHITECT FOR APPROVAL.
10. SEE SPECIFICATIONS FOR INFORMATION ON SEISMIC RESTRAINT OF CEILING SYSTEMS

CEILING LEGEND

EXISTING WALL

NEW WALL

CEILING TAG
CEILING TYPE DESIGNATION
CEILING HEIGHT

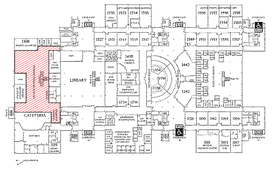
CEILING DESIGNATIONS
C1a PAINTED GWB (WHITE)
C1b PAINTED GWB (OTHER)
ACT-1 ACOUSTIC CEILING TILE (24 X 24)
ACT-2 ACOUSTICAL CEILING TILE (CUSTOM)
LACT-1 LINEAR ACOUSTICAL CEILING

2'X2' ACOUSTICAL CEILING TILE
2'X4' ACOUSTICAL CEILING TILE
GYPSUM BOARD CEILING
SOUND ABSORPTION PANEL SYSTEM
ACT DESIGN FLEX CEILING
NOT IN ARCHITECTURAL SCOPE
LINEAR SURFACE MOUNTED LIGHT FIXTURE (VARIOUS LENGTHS)
RECESSED DOWNLIGHT
DOUBLE HEIGHT CEILING

H1 BOTTOM OF SOUNDSCAPE BLADE 21' - 2"
H2 BOTTOM OF SOUNDSCAPE BLADE 22' - 6"
G1 BOTTOM OF LIGHT FIXTURE 15' - 11"
G2 BOTTOM OF LIGHT FIXTURE 17' - 8"
G3 BOTTOM OF LIGHT FIXTURE 19' - 8"

RCP KEYNOTES

2 PAINT SOFFIT AT PERIMETER OF DOUBLE HEIGHT SPACE
3 ARMSTONG SOUNDSCAPES BLADES SUSPENDED IN LAYOUT AS INDICATED.
4 NEW ACT CEILING TILES.



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DESCRIPTION	DATE

Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

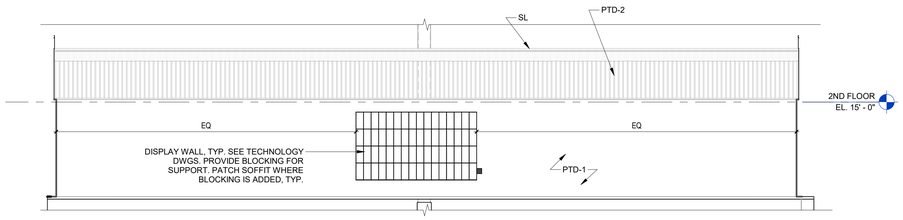
Title:
SECOND FLOOR REFLECTED CEILING PLAN

Sheet No.
A102.2

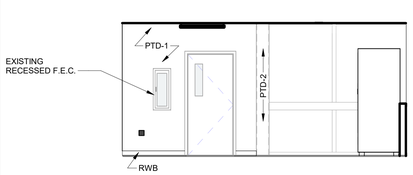
2/14/2025 4:11:06 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

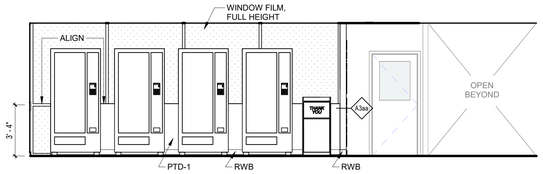
9 SOUTH INTERIOR ELEVATION @ SECOND FLOOR MAIN DINING
1/4" = 1'-0"



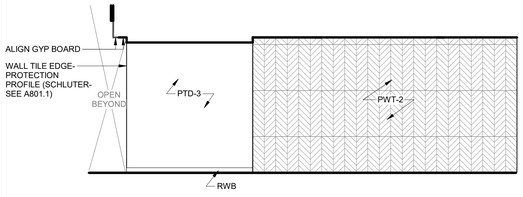
8 SOUTH SOFFIT INTERIOR ELEVATION @ MAIN DINING
1/4" = 1'-0"



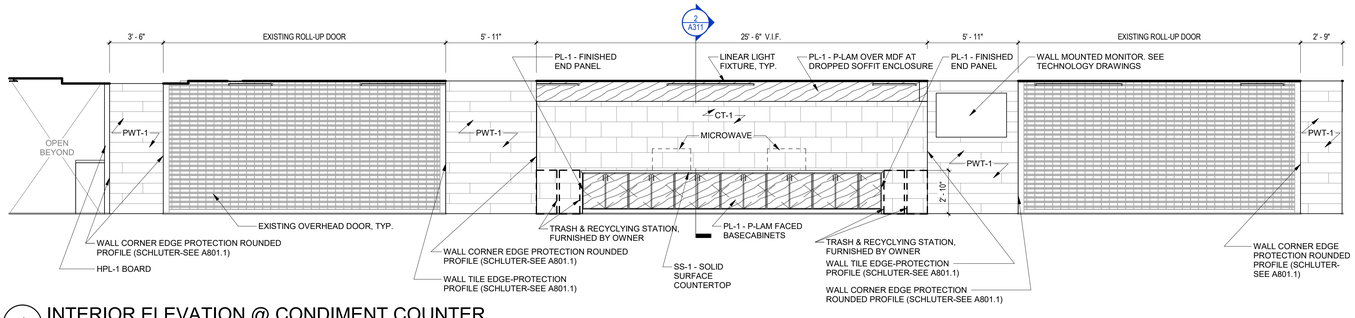
7 INTERIOR ELEVATION
1/4" = 1'-0"



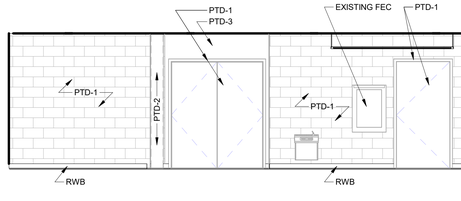
6 INTERIOR ELEVATION
1/4" = 1'-0"



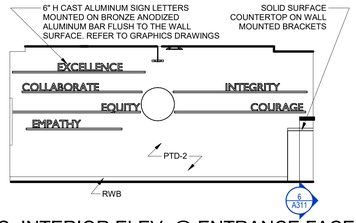
5 N. INTERIOR ELEVATION @ ENTRANCE CAFE
1/4" = 1'-0"



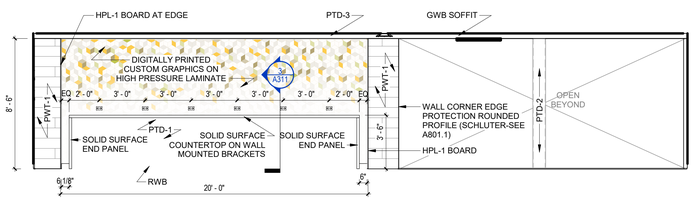
4 INTERIOR ELEVATION @ CONDIMENT COUNTER
1/4" = 1'-0"



3 INTERIOR ELEVATION
1/4" = 1'-0"



2 S. INTERIOR ELEV. @ ENTRANCE FACE
1/4" = 1'-0"



1 W. INTERIOR ELEVATION @ ENTRANCE CAFE
1/4" = 1'-0"

MATERIAL LEGEND

PTD-# PAINTED
RWB RUBBER WALL BASE
SL STAINED AND LAQUER
CT-# CERAMIC TILE
PWT-# PORCELAIN WALL TILE

ALTERNATES

ALTERNATE #1 - (2) LED SCREENS
ALTERNATE #2 - (2) LED SCREENS
ALTERNATE #3 - (2) LED SCREENS

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

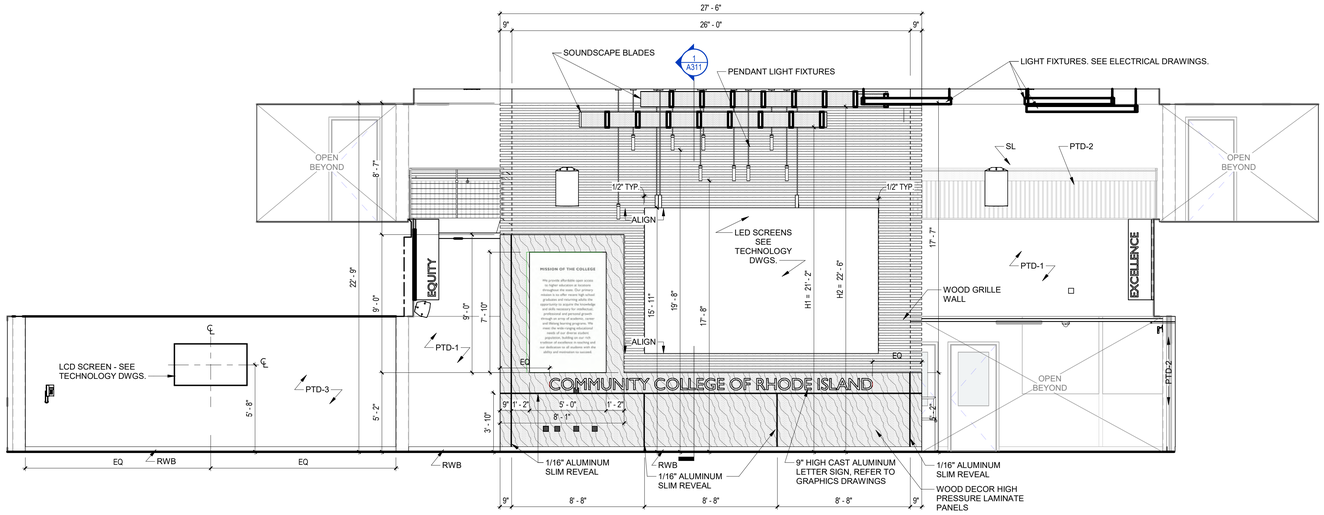
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title: INTERIOR ELEVATIONS

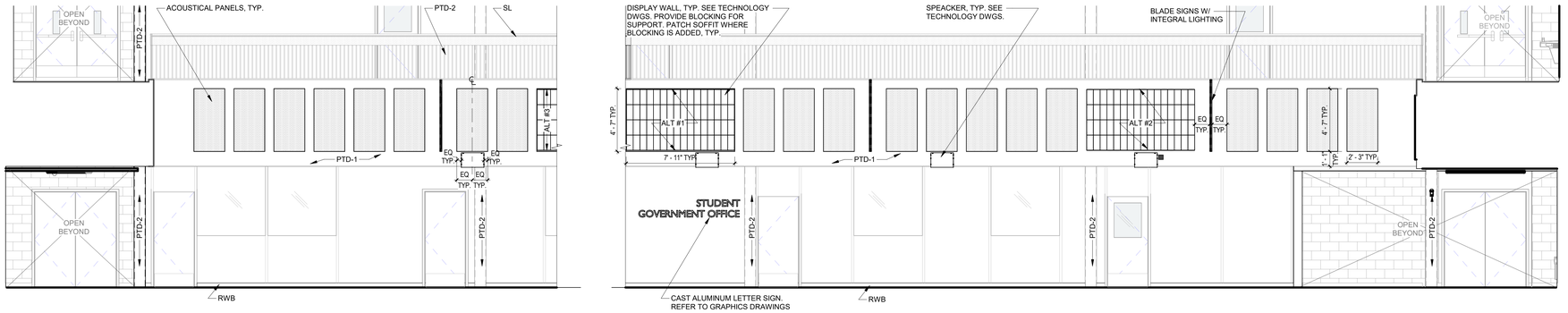
Sheet No.: A201

2/14/2025 4:11:08 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

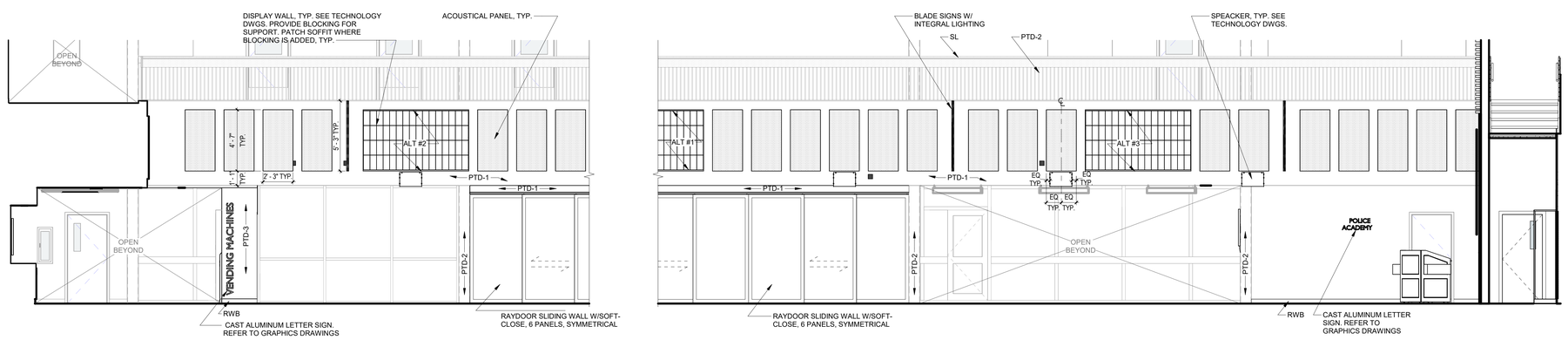
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



3 INTERIOR ELEVATION
1/4" = 1'-0"



2 INTERIOR ELEVATION
1/4" = 1'-0"



1 INTERIOR ELEVATION
1/4" = 1'-0"

MATERIAL LEGEND

PTD-# PAINTED
RWB RUBBER WALL BASE
SL STAINED AND LAQUER
CT-# CERAMIC TILE
PWT-# PORCELAIN WALL TILE

ALTERNATES

ALTERNATE #1 - (2) LED SCREENS
ALTERNATE #2 - (2) LED SCREENS
ALTERNATE #3 - (2) LED SCREENS

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS
NO | DESCRIPTION | DATE

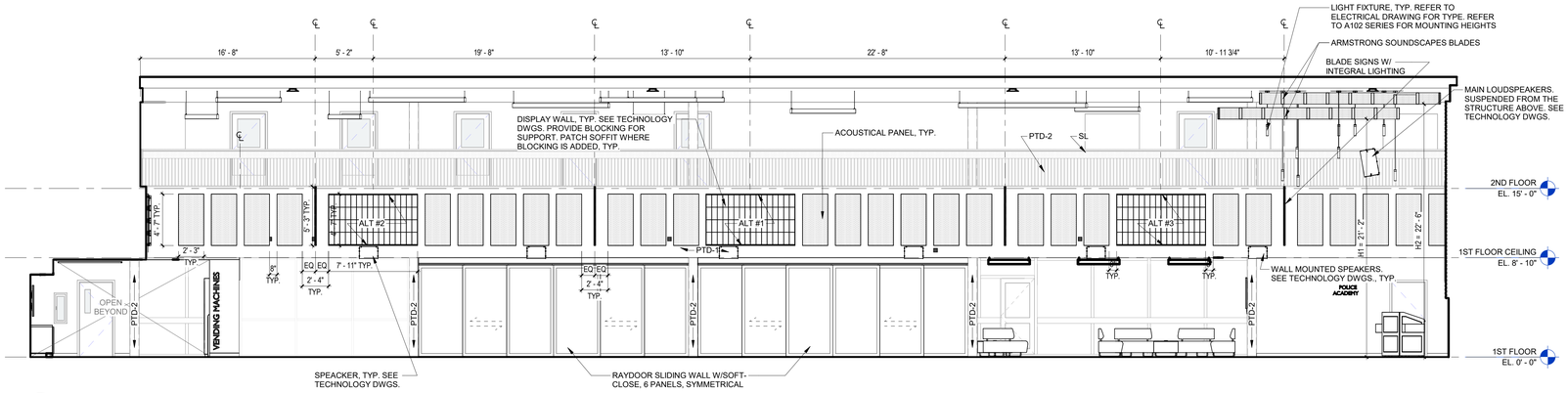
Designed: CR
Drawn: LA
Reviewed: CR
Project No.: 2400014
Date: 02/14/2025
Issued for:
BID

Title:
INTERIOR ELEVATIONS

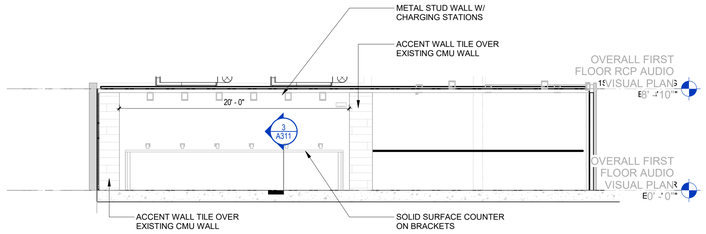
Sheet No.
A202

2/14/2025 4:11:10 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

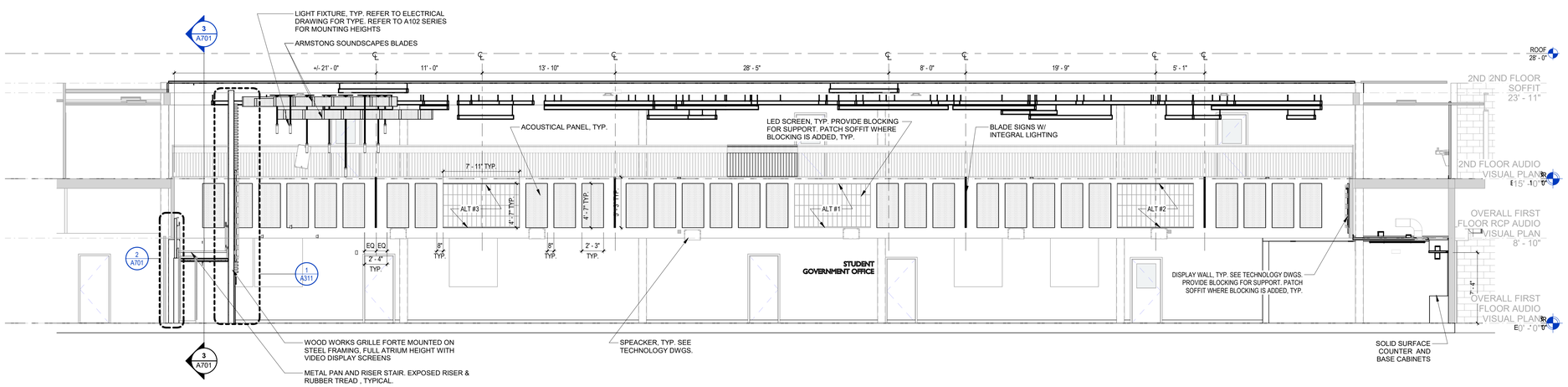
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



3 / A301 INTERIOR ELEVATION
Scale: 3/16" = 1'-0"



2 / A301 SECTION AT ENTRANCE
Scale: 3/16" = 1'-0"



1 / A301 LONGITUDINAL SECTION
Scale: 3/16" = 1'-0"

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

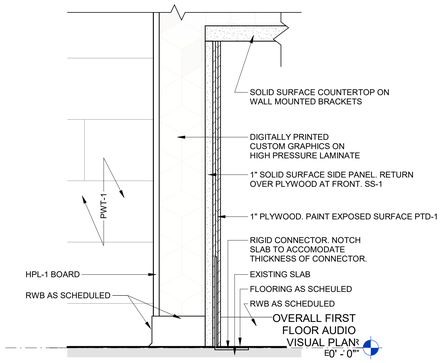
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
BUILDING SECTIONS

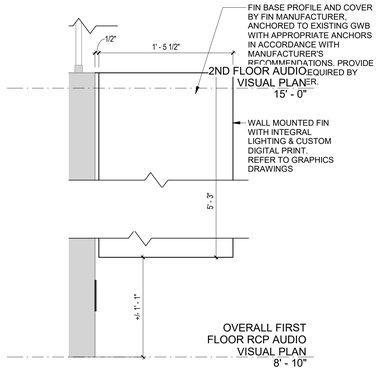
Sheet No.
A301

2/14/2025 4:11:12 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

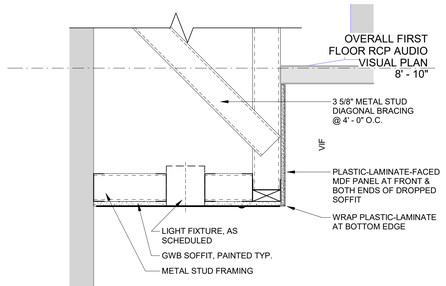
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

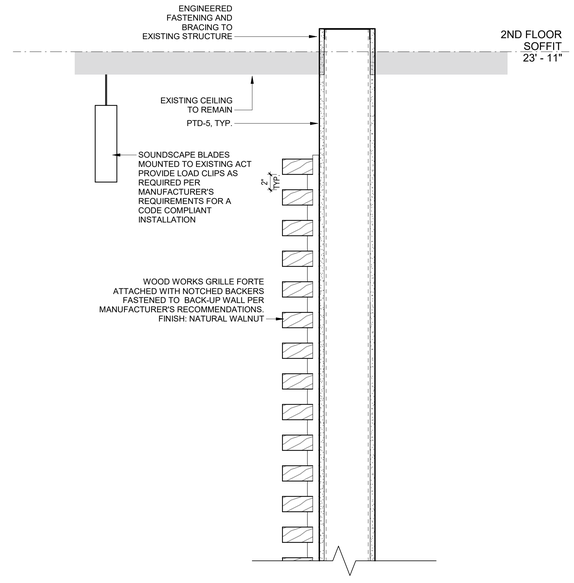


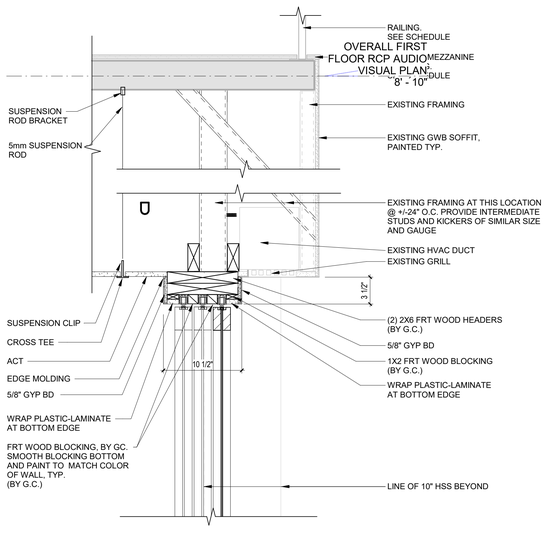
6 A311 DETAIL @ CHARGING TABLE SIDE PANEL
Scale: 1 1/2" = 1'-0"



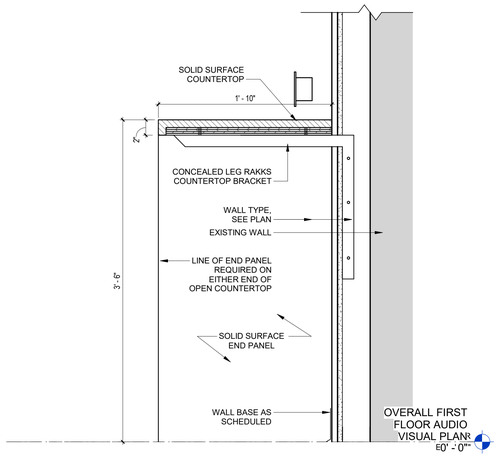
4 A311 BLADE SIGN W/ INTEGRAL LIGHTING - ELEVATION
Scale: 1 1/2" = 1'-0"



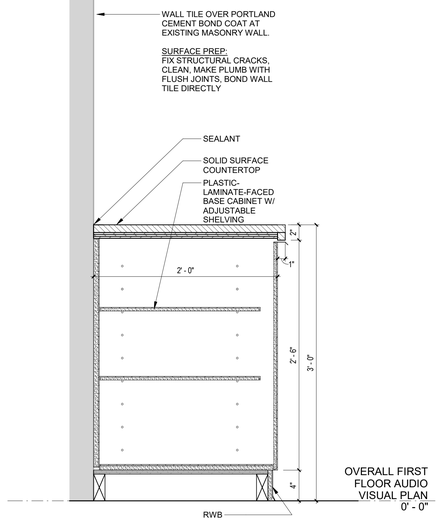




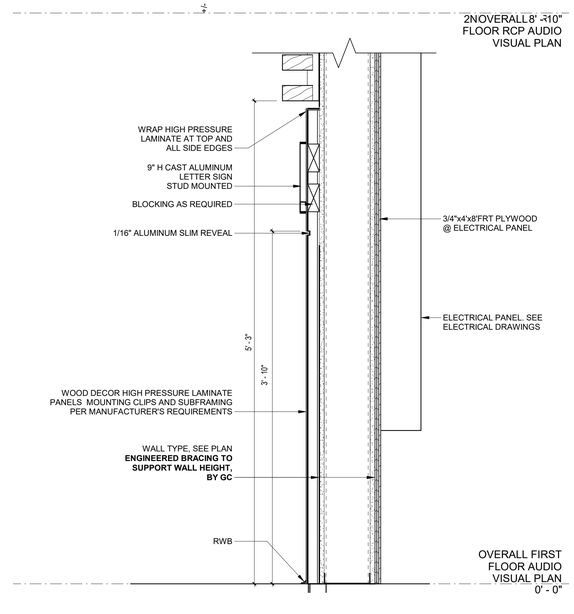
5 A311 RAYDOOR SLIDING WALL (SW6S-SC)
Scale: 1 1/2" = 1'-0"



3 A311 ENTRANCE CAFE CHARGING STATION - SECTION
Scale: 1 1/2" = 1'-0"



2 A311 CONDIMENTS STATION - SECTION
Scale: 1 1/2" = 1'-0"



1 A311 TYPICAL SECTION AT AV WALL
Scale: 1 1/2" = 1'-0"

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS
NO | DESCRIPTION | DATE

Designed: CR
Drawn: LA, PI
Reviewed: CR
Project No.: 2400014
Date: 02/14/2025
Issued for: BID

Title: WALL SECTIONS

Sheet No. A311

2/14/2025 4:11:13 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

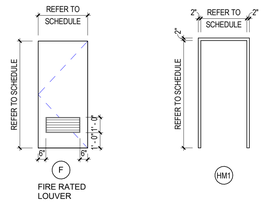
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

DOOR AND FRAME SCHEDULE

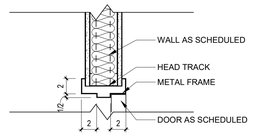
ROOM NAME	DOOR NUMBER	RATINGS	DOOR					FRAME					HARDWARE SET	REMARKS
								DESCRIPTION		DETAILS				
		FIRE RATING	HEIGHT	MATERIAL	WIDTH	FINISH		TYPE	MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL		
New Construction														
AV CL.	101	45 min.	6' - 8"	H.M.	3' - 0"	PTD		F	H.M.	H1/A601	J1/A601	S1/A601	HW-1	HARDWARE SET 45 MIN RATED.

DOOR AND FRAME GENERAL NOTES

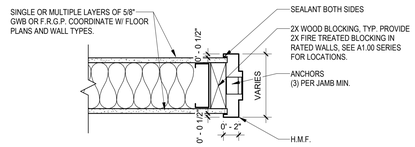
1. REFER TO SPECIFICATION FOR HARDWARE SET DESCRIPTIONS.
2. ALL DOORS TO HAVE STANDARD 5/16" UNDERCUT UNLESS OTHERWISE INDICATED OR REQUIRED TO RECIEVE SCHEDULED THRESHOLD.



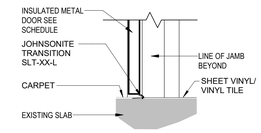
HM DOOR TYPES & HM FRAMES



H1 HEAD DETAIL @HM DOOR
1 1/2" = 1'-0"



J1 JAMB DETAIL @ HM DOOR
1 1/2" = 1'-0"



S1 SILL DETAIL @HM DOOR
1 1/2" = 1'-0"

FINISH PRODUCT LIST

MARK	TYPE	SPECIFICATION	REMARKS	FLAME SPREAD/ CLASS
FLOORING				
CPT-1	CARPET	MANUF: FORBO COLLECTION: FLOTEX SEAGRASS COLOR: ALMOND (111003)		
CPT-2	CARPET	MANUF: FORBO COLLECTION: FLOTEX SEAGRASS COLOR: CUSTOM COLOR OVER ALMOND (111003)	CUSTOM COLOR: 50 % INTENSITY R:183 G:188 B:40	
CPT-3	CARPET	MANUF: FORBO COLLECTION: FLOTEX SEAGRASS COLOR: CUSTOM COLOR OVER ALMOND (111003)	CUSTOM COLOR: 50 % INTENSITY R:179 G:164 B:115	
CPT-4	CARPET	MANUF: FORBO COLLECTION: FLOTEX SEAGRASS COLOR: CUSTOM COLOR OVER ALMOND (111003)	CUSTOM COLOR: 50 % INTENSITY R: 110 G:117 B:28	
VCT-1	VINYL COMPOSITION TILE	MANUF: ARMSTRONG COLLECTION: STANDARD EXCELON IMPERIAL TEXTURE COLOR: SMOKEY BROWN (51868)		
RT-1	RUBBER STAIR TREAD	MANUF: ROPPE COLLECTION: FIESTA 3 COLOR: F333 PIEDRA	STAIRS & LANDING	
VERTICAL SUFACES				
PTD-1	PAINT 1	MANUF: SHERWIN WILLIAMS COLOR: SW 7004 - SNOWBOUND	WALL FIELD COLOR	
PTD-2	PAINT 2	MANUF: SHERWIN WILLIAMS COLOR: SW 6254 - LAZY GRAY	METAL PART OF RAILING @ SECOND FLOOR, COLUMNS & ALL EXPOSED RACEWAYS AND RECEPTACLES	
PTD-3	PAINT 3	MANUF: SHERWIN WILLIAMS COLOR: SW 6902 - DECISIVE YELLOW		
PTD-4	PAINT 4	MANUF: SHERWIN WILLIAMS COLOR: CEILING WHITE		
PTD-5	PAINT 5	MANUF: SHERWIN WILLIAMS COLOR: SW6258 - TRICORN BLACK	NORTH WALL @ ROOM 101: AV WALL	
SL	STAIN	MANUF: SHERWIN WILLIAMS COLOR: MW 2716 - DARK WALNUT	WOOD PROFILE @ STAIR AND SECOND FLOOR GUARDRAIL	
PWT-1	PORCELAIN WALL TILE	MANUF: DALTILE STYLE: SADDLE BROOK - HORIZONTAL LAYED COLOR: WALNUT CREEK SD15		
PWT-2	PORCELAIN WALL TILE	MANUF: DALTILE STYLE: SADDLE BROOK - HERRINGBONE LAYED COLOR: WALNUT CREEK SD15		CLASS A
CT-1	CERAMIC TILE	MANUF: DALTILE STYLE: COMPOSITION - HORIZONTAL LAYED COLOR: PROVIDENTIAL GLOSS CP06, GLOSSY		CLASS A
RWB	RESILIENT WALL BASE	MANUF: TARKETT STYLE: JOHNSONITE - 4" COLOR: 82 BLACK PEARL		CLASS B
SS-1	COUNTER TOPS	MANUF: CORIAN COLOR: CIRRUS WHITE	COUNTERS @ ROOM 101: CONDIMENT STATION; ROOM 100: CHARGING STATION COUNTER & END PANELS	CLASS C
HPL-1	HIGH PRESSURE LAMINATE	MANUF: MARLITE COLOR: 280 F/C WALNUT	ROOM 100 @ WEST WALL EITHER SIDE OF CHARGE STATION GRAPHIC WALL	CLASS C
PL-1	PLASTIC LAMINATE	MANUF: WILSONART COLOR: WALNUT HEIGHTS - 7965K-12		
WG	WOOD GRILLE	MANUF: ARMSTRONG STYLE: WOOD WORKS GRILLE FORTE COLOR: NATURAL WALNUT		CLASS C
LP	LAMINATE PANELS	MANUF: MARLITE STYLE: MARLITE SIEVA LARGE PANEL WALL SYSTEM COLOR: 280 F/C WALNUT		CLASS C
CG	CORNER GUARD	MANUF: CONSTRUCTION SPECIALTIES STYLE: ACROVYN COLOR: TO MATCH WALL MOUNTED ON		CLASS C
CEILINGS (SEE A102 FOR LOCATIONS)				
C1	PAINTED GYPSUM	COLOR: PAINT - PTD-3 & PTD-4	REFER TO RCP	
ACT-1	2x2 ACOUSTIC CEILING	MANUF: ARMSTONG STYLE: ULTIMA LAY-IN COLOR: WHITE		CLASS A
ACT-2	CUSTOM SHAPE ACOUSTIC CEILING	MANUF: ARMSTONG STYLE: ULTIMA, DESIGNFLEX COLOR: WHITE		CLASS A
LACT-1	LINEAR ACOUSTICAL CEILING	MANUF: ARMSTONG STYLE: SOUNDSCAPES BLADES WOOD LOOKS COLOR: BROWN SUGAR WALNUT		CLASS A

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

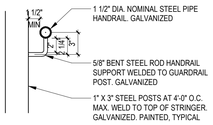
Designed: Designer
Drawn: Author
Reviewed: Approver
Project No.: 2400014
Date: 02/14/2025
Issued for: BID

Title: DOOR SCHEDULE, ELEVATIONS, AND DETAILS

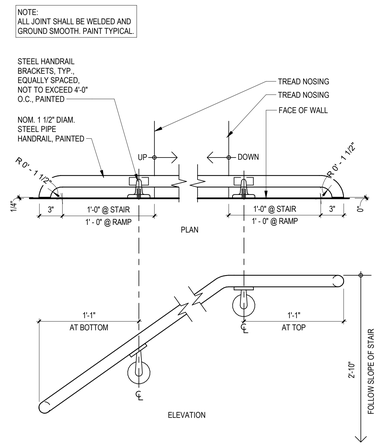
Sheet No.: A601

2/14/2025 4:11:13 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

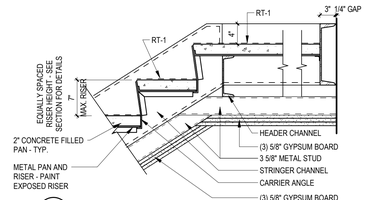
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



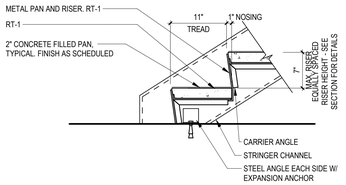
8 A701 ENLARGED WALL MOUNTED HANDRAIL DETAIL
Scale: 1 1/2" = 1'-0"



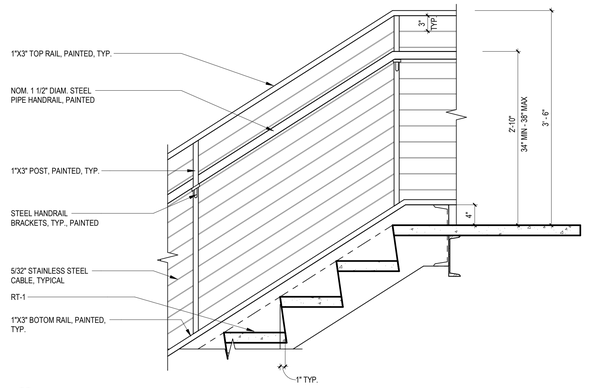
7 A701 TYP. WALL MOUNTED HANDRAIL DETAIL
Scale: 1 1/2" = 1'-0"



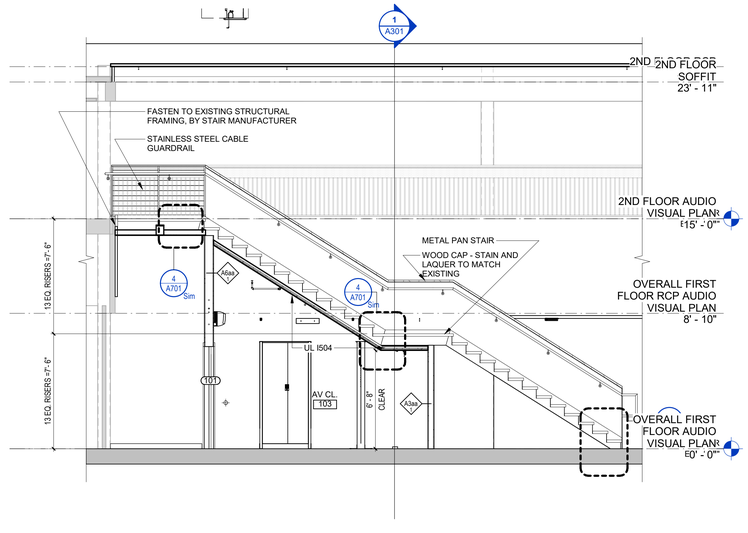
4 A701 TYP. METAL PAN STAIR TOP
Scale: 1" = 1'-0"



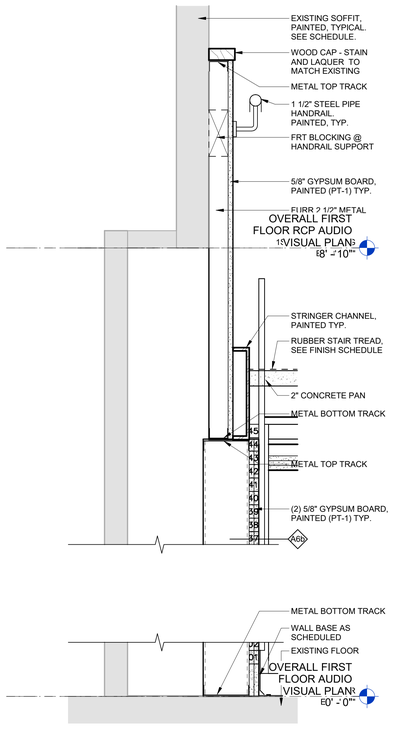
6 A701 TYP. METAL PAN STAIR BASE
Scale: 1" = 1'-0"



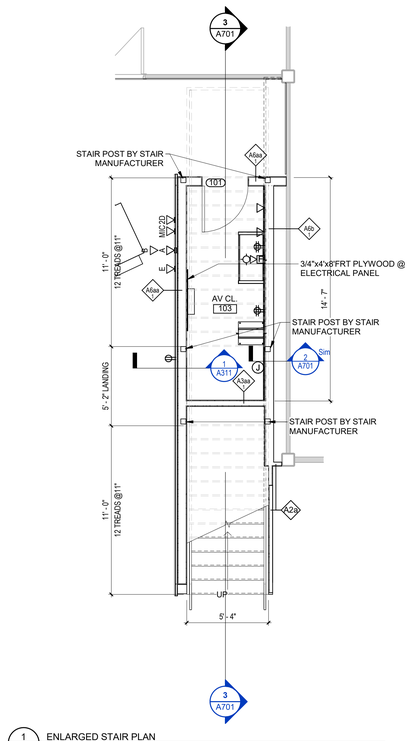
44 A701 TYP. TOP FLOOR LANDING STAIR DETAIL
Scale: 1" = 1'-0"



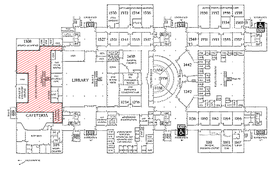
3 A701 STAIR SECTION
Scale: 1/4" = 1'-0"



2 A701 WALL SECTION AT STAIR GUARDRAIL
Scale: 1 1/2" = 1'-0"



1 A701 ENLARGED STAIR PLAN
Scale: 1/4" = 1'-0"



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DESCRIPTION	DATE

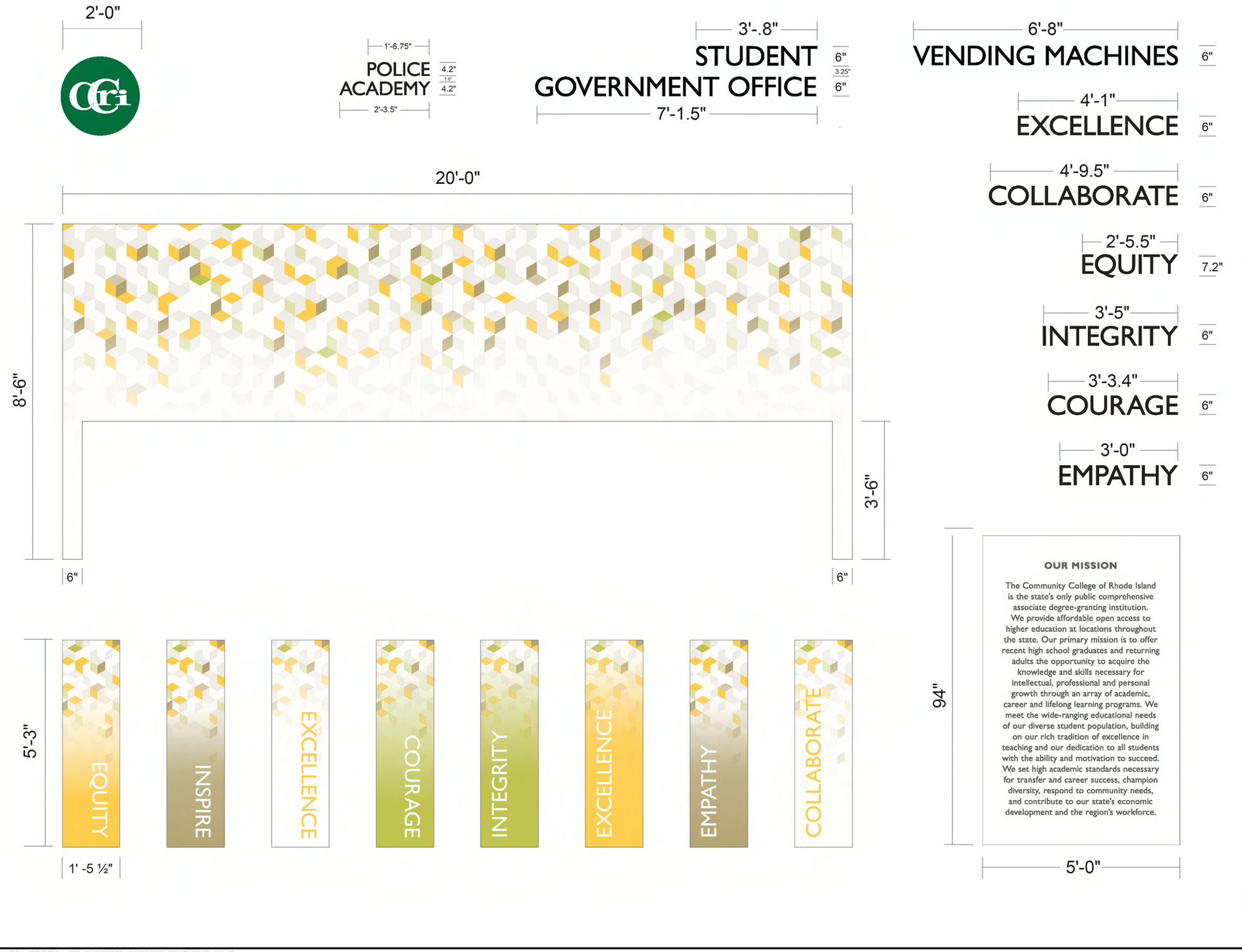
Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
STAIR PLAN/ SECTION AND DETAILS

Sheet No.
A701

2/14/2025 4:11:15 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

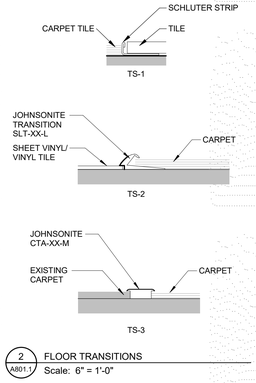
Designed:	CR
Drawn:	LA, JS
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
GRAPHICS

Sheet No.
A801.2

2/14/2025 4:11:16 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



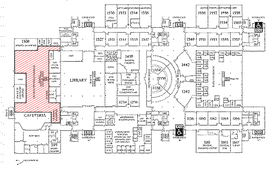
2 / A801.1 FLOOR TRANSITIONS
Scale: 6" = 1'-0"

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOORING		WALL				CEILING	
		FINISH	BASE	EAST WALL	NORTH WALL	SOUTH WALL	WEST WALL	CEILING TYPE	FINISH
100	ENTRANCE CAFE	CPT-1, CPT-2, CPT-3	RWB	PTD-1, PTD-3	PTD-3, PWT-2	PTD-2	PTD-3, PTD-2, PWT-1	C1B, C4	PTD-3, ACT-2
101	MAIN DINING HALL	CPT-1, CPT-2, CPT-3	RWB	PTD-1, PTD-2, SL	PTD-1, PTD-3, PTD-3, SL	PTD-1, PTD-3, PWT-1, CT-1	PTD-1,PTD-2, SL	EXISTING, C1a	ACT-1, EXISTING,PT-4
102	STUDENT LOUNGE	CPT-1, CPT-2, CPT-3	RWB	N/A	PTD-3	PTD-2	PTD-4	ACT-2, C1a	ACT-2, PTD-4
103	AV CL	VCT-1	RWB	PTD-1	PTD-1	PTD-1	PTD-1	C1a	PT-4

CORNER SCHLUTER - RONDEC OUT CORNER 1/4" BURSH STAINLESS STEEL - EV/ RO60EB
EDGE-PROTECTION SCHLUTER - RONDEC END CAP 5/16" BRUSH STN STEEL - EK/RO80EB

1 FIRST FLOOR FINISH PLAN
1/8" = 1'-0"



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS

NO	DESCRIPTION	DATE

Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title: FINISH PLAN - FIRST FLOOR

Sheet No.: A801.1

2/14/2025 4:11:28 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

FURNITURE FINISH SCHEDULE

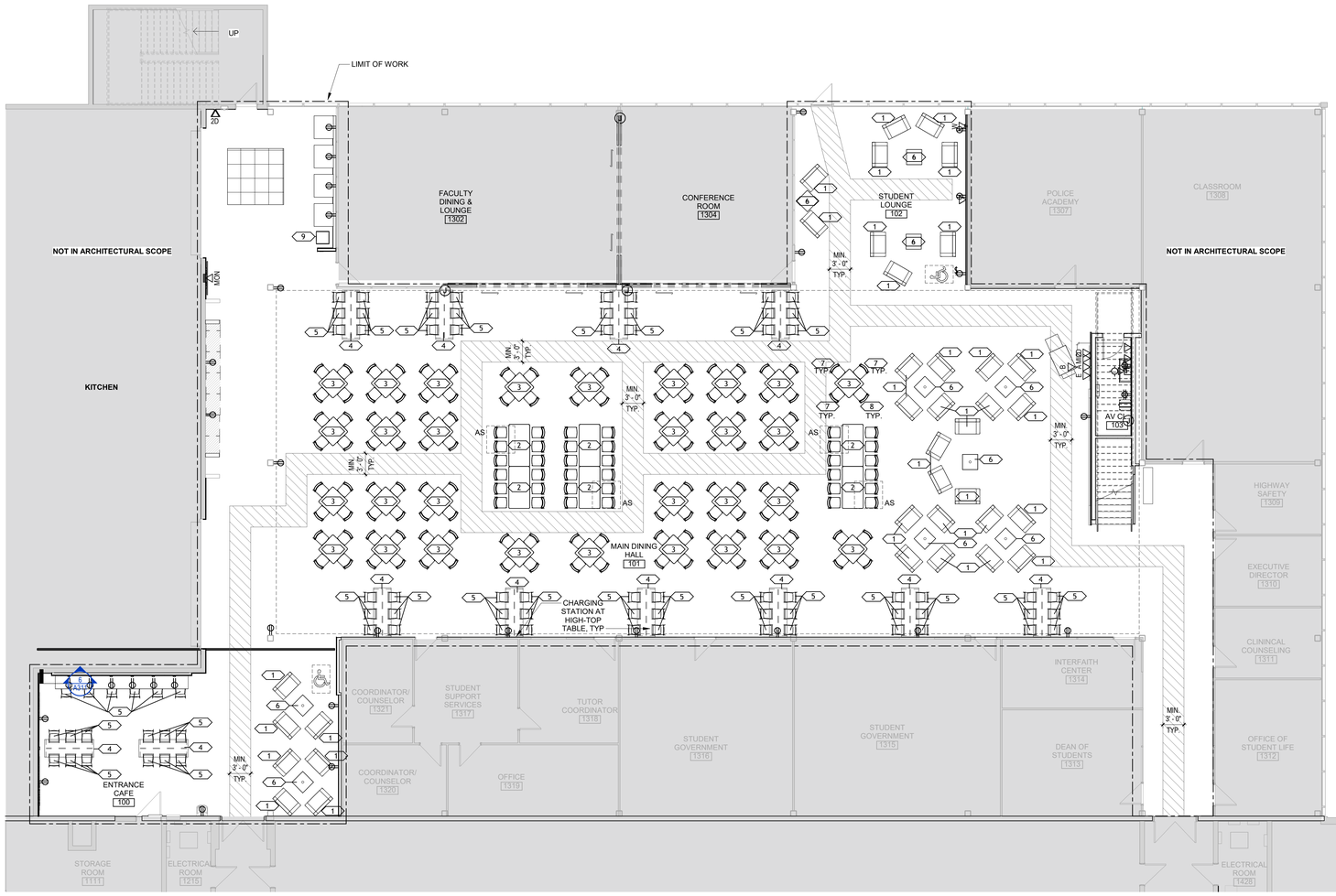
TYPE	SPECIFICATION	FURNITURE MARK #	REMARKS
FABRIC	MANUF: PALAS COLLECTION: VIA COLOR: VEER/FOSSIL	1	HUB ARMLESS LOUNGE CHAIR - SEAT
FABRIC	MANUF: PALAS COLLECTION: MANTRA COLOR: NUANCE/ASPHALT	1	HUB ARMLESS LOUNGE CHAIR - BACK
LAMINATE	MANUF: WILSONART COLOR: MARKERBOARD WHITE 459-90	4	SERENADE GATHERING TABLE
LAMINATE	MANUF: WILSONART COLOR: KENSINGTON MAPLE 10776-60	2,3 & 5	HUB LAMINATE TABLE, APPLY FOUR-LEG LOW BACK STOOL (ROOM 101), PIROUETTE SQUARE (36"X36"), PIROUETTE RECTANGULAR (36"X72")
POLYPROPYLENE	COLOR: ZESTY LIME	8	STRIVE SLED BASE ARMLLESS CHAIR - ACCENT CHAIR
POLYPROPYLENE	COLOR: COTTONWOOD	7	STRIVE SLED BASE ARMLLESS CHAIR - FIELD CHAIR
POLYPROPYLENE	COLOR: WARM GREY	5	APPLY FOUR-LEG LOW BACK STOOL (ROOM 100)
METAL	COLOR: CHROME FINISH	1, 2, 3, 5, 6, 7 & 8	POLY CHAIR LEGS, HUB TABLE LEGS, PIROUETTE TABLES LEGS, HUB LOUNGE CHAIR, APPLY LOW BACK STOOL

FURNITURE SCHEDULE

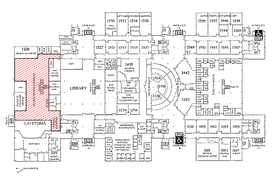
Mark	Type	Manufacturer	Model	Description
1	39" W, Armless	KI, Inc.	H33/FC	Hub™ Armless Lounge Loveseat - No Privacy Screen, No Moisture Barrier
2	1 1/4" Top, 72" x 36"	KI, Inc.	PINR3672T-74P	Pirouette,Nesting Training,Rectangular,36x72",74P Edge
3	1 1/4" Top, 36" x 36"	KI, Inc.	PIFXSQ36-74P	Pirouette,Square,Fixed,36x36",29H,74P Edge
4	42Hx30Dx84W,Non-Contrast,Half Modesty,No Power	KI, Inc.	SEGH3084L/NC	Serenade Gathering Table - Non-Contrast Laminate, 30D x 84W x 42H, Half Modesty, No Footrest, No Power, MARKERBOARD WHITE
5	Chair Stool KI Apply Low	KI, Inc.	ALLSNAU	Apply Four-Leg Low Back Stool,Wood Laminate Shell,Upholstered Seat Pad
6	Lounge-Table-KI-Hub_opaque	KI, Inc.	H24T	Hub Laminate Table,26x26"
7	Stack_Chair-Sled_Base-Armless-KI-Strive-COTTONWOOD	KI	SSNAP	Strive Sled Base Armless Chair,Poly
8	Stack_Chair-Sled_Base-Armless-KI-Strive-ZESTY LIME	KI	SSNAP	Strive Sled Base Armless Chair,Poly

NOTE:
'AS' DENOTES ACCESSIBLE SEATING

ALL FURNITURE TO BE PROVIDED AND INSTALLED BY CONTRACTOR. COORDINATE WITH CORRECTIONAL INDUSTRIES.



1 A802.1 1ST FLOOR FURNITURE PLAN
Scale: 1/8" = 1'-0"



KEY PLAN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI FLANAGAN COMMONS
1762 Old Louisquisset Pike, Lincoln, RI 02865

REVISIONS		
NO	DATE	DESCRIPTION

Designed:	CR
Drawn:	LA
Reviewed:	CR
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
FIRST FLOOR FURNITURE PLAN

Sheet No.
A802.1

2/14/2025 4:11:46 PM C:\Users\landreianu\Documents\2400014_Flanagan Commons_Arch_R24_Central_landreianu.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

FIRE PROTECTION ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
CONN	CONNECTION	MIN	MINIMUM
DCVA	DOUBLE CHECK VALVE ASSEMBLY	N	NEW
D	DEMO	NTS	NOT TO SCALE
D	DRY PIPE SYSTEM	PD	PUMP DISCHARGE
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DR	DRAIN	PRV	PRESSURE REDUCING VALVE
EX	EXISTING	R	RELOCATE
ETR	EXISTING TO REMAIN	RV	RELIEF VALVE
FDC	FIRE DEPARTMENT CONNECTION	SQFT	SQUARE FEET
FDV	FIRE DEPARTMENT VALVE	SP	SPRINKLER
FHV	FIRE HOSE VALVE	TS	TAMPER SWITCH
FL	FLOOR	UP	(PENETRATES FLOOR SLAB)
FP	FIRE PROTECTION PIPING	VIF	VERIFY IN FIELD
FS	FLOW SWITCH	WS	AUTOMATIC WET SYSTEM
FT	FEET	ZCA	ZONE CONTROL ASSEMBLY
FSP	FIRE STANDPIPE		
GV	GATE VALVE		
GAL	GALLONS		
GALV	GALVANIZED		
GPM	GALLONS PER MINUTE		

FIRE PROTECTION PIPING SYSTEMS LEGEND

——WS——	WS	WET SYSTEM
——DRY——	DRY	DRY SYSTEM
——DR——	DR	SPRINKLER DRAIN
——FDC——	FDC	FIRE DEPARTMENT CONNECTION LINE

FIRE PROTECTION SYMBOLS LEGEND

	EXISTING SPRINKLER PIPING
	NEW SPRINKLER PIPING
○	UPRIGHT PENDENT SPRINKLER
●	NEW PENDENT SPRINKLER
⊠	EXISTING PENDENT SPRINKLER
◀	SIDEWALL SPRINKLER
◔	SPRINKLER LOCATED BELOW OR IN OBSTRUCTION/FLOATING CEILING
	FLOOR/ZONE CONTROL VALVE ASSEMBLY
	RISER CONTROL VALVE WITH TAMPER SWITCH
FS TS PS	FLOW/TAMPER/PRESSURE SWITCH
	FIRE DEPARTMENT CHECK VALVE
	PRESSURE REDUCING VALVE
	FIRE DEPARTMENT HOSE VALVE CONNECTION
	FIRE DEPARTMENT HOSE VALVE CABINET
	AUTOMATIC WET ALARM CHECK VALVE
	AUTOMATIC DRY ALARM CHECK VALVE
(SIAMESE) (SINGLE INLET)	FIRE DEPARTMENT CONNECTION(S)
	FIRE SERVICE BACKFLOW PREVENTER
	INLINE JOCKEY PUMP
	FIRE PUMP TEST HEADER
	FIRE PUMP - REFER TO PLANS FOR EQUIPMENT TYPE, SELECTION AND CONFIGURATION
	FIRE PUMP EQUIPMENT CONTROLLERS (REFER TO SHEET FOR CALLOUTS)

"N" = DENOTES NEW SPRINKLER
"R" = DENOTES NEW SPRINKLER RELOCATED FROM EXISTING OUTLET
"D" = DENOTES EXISTING SPRINKLER TO BE REMOVED
"ETR" = DENOTES EXISTING SPRINKLER TO REMAIN
"EC" = DENOTES EXTENDED COVERAGE LISTED TYPE SPRINKLER
"DRY" = DENOTES DRY TYPE LISTED SPRINKLER
"286°" = DENOTES SPRINKLER TEMPERATURE RATING

GENERAL NOTES

1. THESE DRAWING SHALL SERVE AS DESIGN CRITERIA CONTRACT DRAWINGS, AND ARE NOT PERMITTED TO BE ISSUED AS SHOP SUBMITTAL DRAWINGS.
2. THE FIRE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE REQUIRED FIRE SPRINKLER SYSTEM. THESE CRITERIA DRAWINGS REPRESENT THE OWNER'S MINIMUM REQUIREMENTS, AND RELAY THE DESIGN INTENT OF THE SYSTEM AS SPECIFIED BY THE FIRE PROTECTION ENGINEER. THE FIRE SPRINKLER CONTRACTOR SHALL GENERATE THEIR OWN SHOP DRAWINGS AS REQUIRED BY, CORI, THE STATE OF RHODE ISLAND, NFPA 13, AND THESE PROJECT CRITERIA DRAWINGS AND SPECIFICATIONS.
3. THE FIRE SPRINKLER CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL TO THE LOCAL AHJ (IF REQUIRED) THREE (3) SETS OF SHOP DRAWINGS AND HYDRAULIC CALCULATIONS INDICATING THE SPRINKLER SYSTEM LAYOUT INCLUDING FINAL SPRINKLER HEAD LAYOUT. THE ENTIRE FIRE PROTECTION SYSTEM DESIGN, LAYOUT, AND INSTALLATION SHALL BE IN ACCORDANCE THE REQUIREMENTS OF THE GOVERNING STATE AND LOCAL FIRE AND BUILDING CODES, NFPA, OSHA, AND THE OWNER'S INSURANCE AGENT.
4. SHOP DRAWINGS SHALL INCLUDE ALL PIPING MATERIAL SPECIFICATIONS AND ARRANGEMENT, VALVES, WATER SERVICE, ETC, FOR THE COMPLETE INSTALLATION OF A CODE COMPLIANT SPRINKLER SYSTEM. UNLESS OTHERWISE INDICATED, PROVIDE A COMPLETE AND OPERATIONAL SPRINKLER SYSTEM, INCLUDING ALL NECESSARY MATERIAL, LABOR AND EQUIPMENT.
5. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE SPRINKLER SHOP DRAWINGS FOR THE REVIEW AND APPROVAL OF THE ENGINEER, ARCHITECT. THE ENGINEER SHALL REVIEW THE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS PRIOR TO SUBMISSION TO THE AHJ AND PROVIDE NOTATION ON THE DRAWINGS INDICATING THEY WERE REVIEWED AND APPROVED BY THE PROFESSIONAL. SUBMIT APPROVED DRAWINGS AND CALCULATIONS WITH THE REQUIRED APPLICATION FEE PRIOR TO INSTALLATION TO THE AHJ.
6. FIRE SPRINKLER CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE FOR ALL REQUIRED INSPECTIONS IN ACCORDANCE WITH THE STATE AND LOCAL GOVERNING CODES.
7. IN THE EVENT OF A DISCREPANCY BETWEEN CONTRACT DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT SHALL GOVERN.
8. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON DRAWINGS BUT MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR OPERATION AS DETERMINED BY GOOD TRADE PRACTICE EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED, DELIVERED AND INSTALLED UNDER THEIR RESPECTIVE DIVISIONS WITHOUT ANY ADDITIONAL EXPENSE TO THE OWNER.

FIRE PROTECTION CONSTRUCTION NOTES

1. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE A COMPLETE AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH DRAWINGS, SPECIFICATIONS, AND NFPA 13. ONLY UL APPROVED AND NFPA LISTED EQUIPMENT SHALL BE USED.
2. FIRE SPRINKLER CONTRACTOR SHALL HYDRAULICALLY PROVE THE REMOTE AREA OF EACH SEPARATE HAZARD GROUP OF EACH SYSTEM.
3. FIRE SPRINKLER CONTRACTOR SHALL PERFORM HYDRAULIC CALCULATIONS BASED ON A FIRE FLOW TEST NO MORE THAN 12 MONTHS OLD PER NFPA 13.
4. PROVIDE AN NFPA 13 COMPLIANT AUTOMATIC SPRINKLER SYSTEM TO PROTECT ALL AREAS; ALL ATTIC AREAS ARE SUBJECT TO FREEZING. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE A DRY-PIPE SYSTEM PER NFPA 13 REQUIREMENTS. PIPING FOR THE DRY PIPE SYSTEM SHALL BE BLACK STEEL AND GALVANIZED BLACK STEEL WHERE EXPOSED TO EXTERIOR CONDITIONS. DRY PIPE SYSTEMS WILL BE PROVIDED WITH A WALL MOUNTED AIR COMPRESSOR AND UTILIZE VAPOR SHIELD PIPE TECHNOLOGY BY GERNEAL AIR TO MITIGATE CORROSION. ENSURE DRY SYSTEM DELIVERY TIME PER NFPA 13 AND PROVIDE WATER DELIVERY CALCULATIONS AS NECESSARY. CONTRACTOR TO PROVIDE A LISTED QUICK OPENING DEVICE PER NFPA AND PROVIDE AN ANTI-FLOODING DEVICE, IF REQUIRED.
5. INSTALL EQUIPMENT AND MATERIALS TO PRESENT A NEAT APPEARANCE. RUN PIPING PARALLEL WITH OR PERPENDICULAR TO BUILDING PLANES. RUN ALL SPRINKLER PIPING ABOVE THE STRUCTURE TO THE GREATEST EXTENT POSSIBLE IN ORDER TO MAINTAIN CLEAR HEIGHT.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES, UNIT HEATERS, DIFFUSERS, GRILLES, DUCTS, CONDUIT, PIPING. AND ALL OTHER OBSTRUCTIONS ENCOUNTERED. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL, ELECTRICAL, PLUMBING AND MECHANICAL WORK. ANY DEVIATIONS FROM APPROVED SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.
7. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE THE POSITION AND HANGING METHOD OF ALL SPRINKLER PIPING 4 IN. AND LARGER WITH THE STRUCTURAL DRAWINGS.
8. FIRE SPRINKLER CONTRACTOR SHALL ENSURE ALL HORIZONTAL PIPING RUNS ARE LOCATED ABOVE THE BOTTOM CHORD OF ROOF TRUSSES.
9. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE ALL NECESSARY MAIN AND/OR AUXILIARY DRAINS (DRUM DRIPS) IN THE SPRINKLER SYSTEMS AND ON RISERS AS REQUIRED BY NFPA 13. TO THE MAXIMUM EXTENT POSSIBLE, ALL DRAINS SHALL TERMINATE ON EXTERIOR WALLS WITHIN 8 IN. OF GRADE AND SHALL BE PAINTED WITH A RUST PROHIBITIVE PRIMER AND FINISH COAT TO MATCH THE ADJACENT SURFACES. CONCRETE SPLASH BLOCKS SHALL BE PROVIDED UNDER EACH DRAIN OUTLET WHERE NECESSARY TO PREVENT EROSION.
10. THE SPRINKLER RISER, DRY PIPE VALVE, AND COMPRESSOR, SHALL BE LOCATED AS SHOWN ON THE DESIGN CRITERIA CONTRACT DRAWINGS.
11. ALL MECHANICAL FITTINGS SHALL BE HELD IN PLACE WITH MECHANICAL COUPLINGS OF THE SAME MANUFACTURER.
12. SPRINKLER HANGERS SHALL BE DESIGNED, LOCATED, AND INSTALLED IN ACCORDANCE WITH NFPA 13. PROVIDE SEISMIC BRACING OF ALL FIRE PROTECTION PIPING IN ACCORDANCE WITH NFPA 13 AND THE STATE BUILDING CODE. EARTHQUAKE BRACING TO BE PROVIDED WHERE REQUIRED. NO OTHER PIPING AND/OR DEVICES ARE TO BE ATTACHED TO THE SPRINKLER PIPE HANGER SYSTEM UNLESS THE HANGER HAS BEEN SPECIFICALLY DESIGNED FOR THE ADDITIONAL LOADING. THIS CONTRACT DOES NOT INCLUDE ANY MATERIAL OR DEVICE TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO ENABLE IT TO CARRY THE LOAD OF THE FIRE PROTECTION SYSTEM.
13. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE AND INSTALL WATERFLOW ALARM DEVICES ON ALL SPRINKLER SYSTEMS FOR MONITORING BY THE FACU. THE FIRE SPRINKLER CONTRACTOR SHALL COMMUNICATE/COORDINATE AS NECESSARY WITH THE FIRE ALARM CONTRACTOR TO ENSURE ALL DEVICES ARE MONITORED.
14. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE AND INSTALL VALVE SUPERVISORY TAMPER DEVICES ON ALL INTERIOR FIRE PROTECTION CONTROL VALVES FOR MONITORING BY THE FACU. THE FIRE SPRINKLER CONTRACTOR SHALL COMMUNICATE/ COORDINATE AS NECESSARY WITH THE FIRE ALARM CONTRACTOR TO ENSURE ALL DEVICES ARE MONITORED.
15. SPRINKLER HEAD TEMPERATURE RATINGS TO BE IN ACCORDANCE WITH NFPA 13 OR OTHER GOVERNING CODE.
16. NEW SPRINKLER MAIN & CROSSMAIN PIPING SHALL BE SCH-10 WITH ROLL GROOVED FITTINGS (OR EQUAL).
17. NEW SPRINKLER BRANCHLINE PIPING SHALL BE SCH-10 WITH ROLL GROOVED FITTINGS OR EQUAL FOR SIZES 1-1/4" - 2", AND SCH-40 WITH CLASS 125 CAST IRON FITTINGS FOR SIZES 1" - 1-1/4".
18. RETAIN ALL PIPE CUTOUT DISKS. ATTACH DISKS TO CORRESPONDING PIPE JOINT FOR INSPECTION. AFTER INSPECTION REMOVE AND DISPOSE OF ALL DISKS. CONCEAL PIPING IN FINISHED AREAS. INSTALL WORK SO AS TO REQUIRE A MINIMUM AMOUNT OF FURRING.
19. FIRE DEPARTMENT CONNECTIONS (FDC) SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 AND THE AUTHORITY HAVING JURISDICTION (AHJ).
20. ALL SPRINKLERS SHALL BE INSTALLED AFTER THE PIPING HAS BEEN INSTALLED AT CEILING LEVEL, AND NOT WHILE THE PIPING IS ON GROUND LEVEL.
21. CONTRACTOR'S MATERIAL AND TEST CERTIFICATES FOR ABOVE GROUND AND UNDER GROUND PIPE SHALL BE SUBMITTED TO THE FIRE MARSHAL PRIOR TO APPROVAL OF THE INSTALLATION.
22. SPRINKLER SYSTEM SHALL BE TESTED AS PER NFPA. PROVIDE AND LOCATE INSPECTORS TEST DRAIN IN ACCORDANCE WITH NFPA-13.
23. PRIOR TO SUBMISSION OF SHOP DRAWINGS, THE SPRINKLER CONTRACTOR SHALL THOROUGHLY CHECK EACH SHOP DRAWING TO ASCERTAIN THAT IT COMPLIES WITH THE CONTRACT REQUIREMENTS AND THAT THE DIMENSIONS OF WORK SUBMITTED FIT THE AVAILABLE SPACE. ANY DEVIATIONS FROM THE CONTRACT REQUIREMENTS SHALL BE CLEARLY NOTED ON THE SHOP DRAWINGS. THE SPRINKLER CONTRACTOR SHALL STAMP EACH SUBMITTAL WITH HIS FIRM'S NAME, DATE AND APPROVAL, THEREBY REPRESENTING THAT THE ABOVE HAS BEEN COMPLIED WITH. SHOP DRAWINGS NOT SO CHECKED AND STAMPED SHALL BE RETURNED WITHOUT BEING EXAMINED BY THE ARCHITECT. REVIEW OF THE SHOP DRAWINGS SHALL NOT RELIEVE THE SPRINKLER CONTRACTOR FROM THE RESPONSIBILITY FOR DEPARTURES FROM THE CONTRACT DOCUMENTS. ERRORS IN SHOP DRAWINGS SHALL BE THE SOLE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR WHETHER THE DRAWINGS ARE REVIEWED OR NOT.

FIRE PROTECTION COORDINATION NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE BUILDING CODE AND REFERENCE STANDARD, NFPA, THE LOCAL FIRE PREVENTION DEPARTMENT, THE INSURANCE UNDERWRITER AND ALL LOCAL CODES AND ORDINANCES.
2. BEFORE STARTING WORK OF THIS SECTION, VISIT SITE AND EXAMINE CONDITIONS UNDER WHICH WORK MUST BE PERFORMED INCLUDING PREPARATORY WORK DONE UNDER OTHER SECTIONS OR CONTRACTS OR BY OWNER. REPORT CONDITIONS THAT MIGHT AFFECT WORK ADVERSELY IN WRITING THROUGH CONTRACTOR TO ARCHITECT. DO NOT PROCEED WITH WORK UNTIL DEFECTS HAVE BEEN CORRECTED AND CONDITIONS ARE SATISFACTORY. COMMENCEMENT OF WORK SHALL BE CONSTRUED AS COMPLETE ACCEPTANCE OF EXISTING CONDITIONS AND PREPARATORY WORK.
3. AFTER VISIT TO SITE, CONTRACTOR SHALL STUDY BUILDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, REFLECTED CEILING AND ELECTRICAL PLANS AND PREPARE "SPRINKLER WORKING DRAWINGS" IN CONFORMANCE WITH NFPA, THE OWNER'S INSURANCE UNDERWRITER AND THE UNDERWRITER'S INTERPRETATION OF NFPA.
4. FULLY COORDINATE WITH OTHER TRADES AT NO ADDITIONAL COST TO THE OWNER. MAKE ALL REASONABLE CHANGES AND ADDITIONS TO LOCATION OF MATERIALS AND EQUIPMENT AND COORDINATION ISSUES, NECESSARY TO ACCOMMODATE THE STRUCTURAL AND ARCHITECTURAL CONDITIONS AND THE SYSTEMS. IT SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES AND PARTIES TO AVOID CONFLICTS. NO ADDITIONAL CHARGES WILL BE APPROVED DUE TO LACK OF COORDINATION.
5. INSTALL ALL PIPING TO AVOID ARCHITECTURAL FRAMING, STRUCTURAL MEMBERS, AND OTHER OBSTRUCTIONS. COORDINATE ALL SPRINKLER PIPING WITH THE BUILDING STRUCTURE TO AVOID CONFLICTS AND MAINTAIN THE HIGHEST POSSIBLE CLEAR HEIGHT. COORDINATE PIPING LOCATIONS WITH ALL APPLICABLE CONTRACT DRAWINGS PRIOR TO PLACING SLEEVES IN FLOORS OR WALLS. ALL HOLES IN WALLS AND FLOORS SHALL BE CORE DRILLED OR HAVE METALLIC PIPE SLEEVES INSTALLED.
6. INSTALL ALL PIPING TO BEST SUIT FIELD CONDITIONS AND COORDINATE WITH THE INSTALLATION WORK OF OTHER TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE EXACT LOCATIONS OF PIPING. CONTRACTOR IS TO REPORT CONDITIONS REQUIRING CHANGES FROM PLANS TO THE ENGINEER PRIOR TO STARTING WORK.
7. COORDINATE SPRINKLER ZONES WITH FIRE ALARM ZONES.
8. BEFORE SELECTING MATERIAL AND EQUIPMENT, AND PROCEEDING WITH WORK, INSPECT AREAS WHERE MATERIAL AND EQUIPMENT ARE TO BE INSTALLED TO INSURE SUITABILITY, AND CHECK NEEDED SPACE FOR PLACEMENT AND CLEARANCES.
9. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATINGS OF WALLS AND SLABS. ALL PENETRATIONS IN FIRE RESISTIVE RATED ASSEMBLIES SHALL BE FIRE STOPPED BY APPROVED MEANS AND THE ASSEMBLY SHALL BE RESTORED TO ITS REQUIRED FIRE RESISTANCE RATING.
10. SEE ARCHITECTURAL PLANS FOR CEILING TYPES AND HEIGHTS.
11. CONTRACTOR TO COORDINATE WITH STRUCTURAL ENGINEER FOR ALLOWABLE BEAM PENETRATION LOCATIONS, SIZES, AND DETAILS (IF APPLICABLE).
12. CONTRACTOR SHALL AVOID RUNNING MAJOR SPRINKLER MAINS AND LARGE PIPING IN ELECTRICAL UTILITY SPACES AND MAIN ELECTRIC SERVICE ROOM. COORDINATE SPRINKLER BRANCHLINES AND HEADS WITH ALL EQUIPMENT IN THOSE SPACES.
13. WATER DAMAGE CANNOT BE TOLERATED. TAKE ANY NECESSARY MEASURES TO KEEP THE PREMISES DRY AT ALL TIMES. REPAIR WATER DAMAGE RESULTING FROM THE WORK, WHETHER INTENTIONAL OR NOT, AT NO COST TO AND TO THE SATISFACTION OF THE OWNER.
14. PRIOR TO THE OPERATION (OPEN OR CLOSE) OF ANY VALVE CONTROLLING WATER TO THE DOMESTIC OR FIRE SYSTEMS, NOTIFICATION SHALL BE GIVEN TO, AND APPROVAL OBTAINED FROM, THE GENERAL CONTRACTOR.
15. NEITHER THE ARCHITECT, OWNER, NOR ENGINEER SHALL BE RESPONSIBLE FOR PROVIDING A SAFE WORKING PLACE FOR THE CONTRACTOR, SUBCONTRACTORS, OR THEIR EMPLOYEES, OR ANY INDIVIDUAL RESPONSIBLE TO THEM FOR THE WORK. THIS RESPONSIBILITY RESTS WITH THE CONTRACTOR.

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

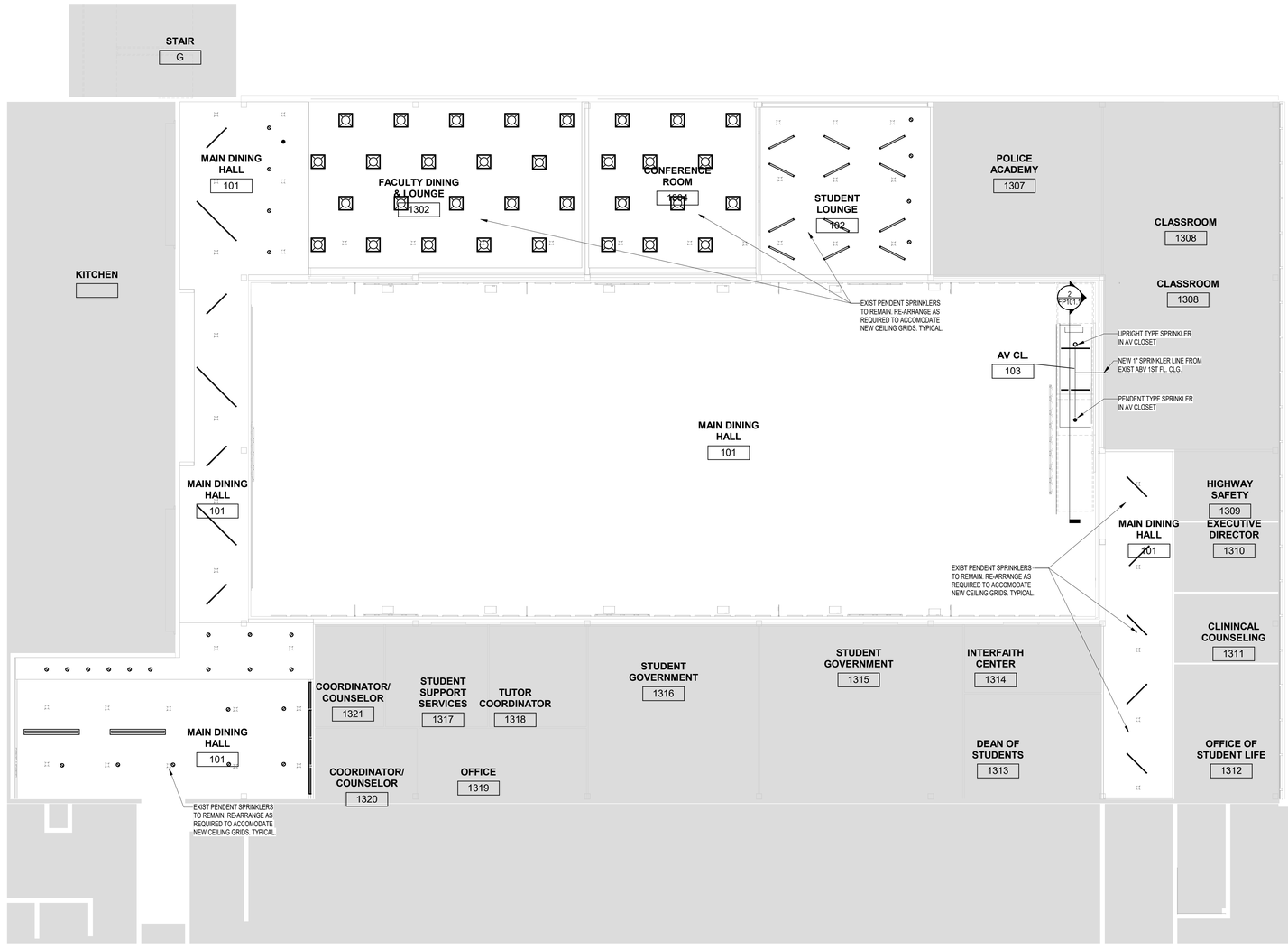
NO	DATE	DESCRIPTION

Designed:	RB
Drawn:	BJ
Reviewed:	SP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

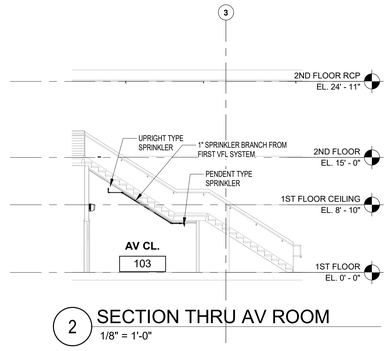
Title:
FIRE PROTECTION NOTES, DESIGN CRITERIA, SYMBOL LEGEND, & ABBREVIATIONS

Sheet No.
FP001

2/14/2025 9:26:56 AM C:\Users\tbjorkman\Documents\2400014_Flanagan Commons_MEP_R24_Central_tbjorkmanU67AY.rvt
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERAL FIRST FLOOR FIRE PROTECTION RCP
1/8" = 1'-0"



2 SECTION THRU AV ROOM
1/8" = 1'-0"

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed:	RB
Drawn:	BJ
Reviewed:	SP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

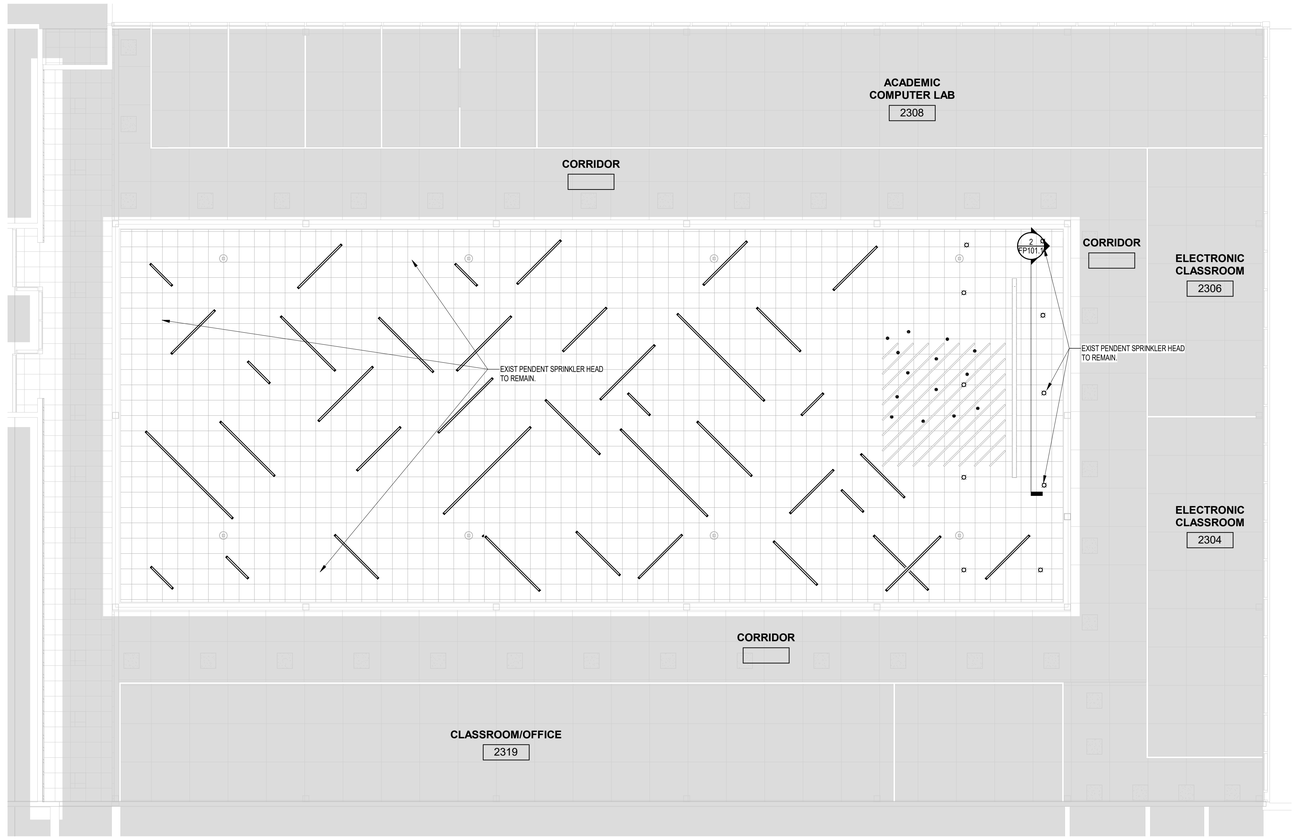
Title:
OVERALL FIRST FLOOR FIRE PROTECTION PLAN

Sheet No.
FP101.1

TRUE NORTH

2/14/2025 9:26:58 AM C:\Users\tbjorkman\Documents\2400014_Flanagan Commons_MEP_R24_Central_tbjorkmanU67AY.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERAL SECOND FLOOR FIRE PROTECTION RCP
1/8" = 1'-0"

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed: RB
Drawn: BJ
Reviewed: SP
Project No.: 2400014
Date: 02/14/2025
Issued for:
BID

Title:
OVERALL SECOND FLOOR
FIRE PROTECTION PLAN

Sheet No.
FP101.2

2/14/2025 9:26:59 AM C:\Users\rbjorkman\Documents\2400014_Flanagan Commons_MEP_R24_Central_rbjorkmanU67AY.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

FIRE ALARM SYSTEM OPERATIONAL MATRIX

INPUT		OUTPUT: ALARM AT FACP (A)	ALARM AT ANNUNCIATOR (B)	ALARM AT SUPERVISING STATION (C)	ACTIVATE NOTIFICATION APPLIANCES (D)	SUPERVISORY AT FACP (E)	SUPERVISORY AT ANNUNCIATOR (F)	SUPERVISORY AT SUPERVISING STATION (G)	TROUBLE AT FACP (H)	TROUBLE AT ANNUNCIATOR (I)	TROUBLE AT SUPERVISING STATION (J)	DEACTIVATE NOTIFICATION APPLIANCES (K)	RESET CONTROL PANEL AND ALL DEVICES (L)	SHUT DOWN HVAC FAN UNITS (M)	ACTIVATE ELEVATOR PRIMARY RECALL FUNCTION (N)	ACTIVATE ELEVATOR ALTERNATE RECALL FUNCTION (O)	ACTIVATE ELEVATOR SHUNT TRIP FUNCTION (P)	ACTIVATE HVLS FAN SHUTDOWN (Q)	(R)	(S)	
MANUAL PULL STATION	1	X	X	X	X																1
AREA SMOKE DETECTOR	2	X	X	X	X																2
AREA HEAT DETECTOR	3	X	X	X	X																3
ELEVATOR LOBBY FIRST FLOOR SMOKE DETECTOR	4	X	X	X	X											X					4
ELEVATOR LOBBY SECOND FLOOR SMOKE DETECTOR	5	X	X	X	X										X						5
ELEVATOR MACHINE ROOM SMOKE DETECTOR	6	X	X	X	X											X					6
ELEVATOR MACHINE ROOM HEAT DETECTOR	7	X	X	X	X												X				7
ELEVATOR HOISTWAY HEAT DETECTOR	8	X	X	X	X												X				8
DUCT MOUNTED SMOKE DETECTOR	9					X	X	X						X							9
FIRE SPRINKLER FLOW ALARM	10	X	X	X	X													X			10
FIRE SPRINKLER TAMPER ALARM	11					X	X	X													11
FIRE PUMP RUNNING	12					X	X	X													12
FIRE PUMP CONTROLLER OFF/MANUAL MODE	13					X	X	X													13
FIRE PUMP CONTROLLER/ENGINE TROUBLE	14								X	X	X										14
POWER FAILURE	15								X	X	X										15
TROUBLE CONDITION	16								X	X	X										16
SYSTEM SILENCE	17											X									17
SYSTEM RESET	18												X								18
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	

NOTE: VERIFY SEQUENCE CONFORMS TO LOCATION SPECIFIC REQUIREMENTS.

DESIGN CRITERIA TABLE FOR FIRE ALARM AUDIBILITY IN VARIOUS SPACE USES

SPACE USES	AVERAGE AMBIENT SOUND LEVEL (dBA)	AVERAGE AMBIENT SOUND LEVEL (dBA)
OPEN SPACES	30	60 (MIN)
ASSEMBLY AREAS	55	70
MECHANICAL/ ELECTRICAL ROOMS	85	100

NOTE:

DESIGNED CRITERIA FOR FIRE ALARM AUDIBILITY IN VARIOUS OCCUPANCIES AS PER APPROVED CERTIFICATE OF OCCUPANCY OR SCHEDULE-A, WHICH COMPLIES WITH LATEST EDITION OF RHODE ISLAND CODE WHICH STATES: " THE AUDIBLE ALARM NOTIFICATION APPLIANCES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING. "THE MAXIMUM SOUND PRESSURE LEVEL FOR AUDIBLE ALARM NOTIFICATION APPLIANCES SHALL BE 110 DBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. WHERE THE AVERAGE AMBIENT NOISE IS GREATER THAN 95 DBA. VISIBLE ALARM NOTIFICATION APPLIANCES SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 72 AND AUDIBLE ALARM NOTIFICATION APPLIANCES SHALL NOT BE REQUIRED".

FIRE ALARM SHEET LIST

SHEET NUMBER	SHEET NAME
FA001	FIRE ALARM NOTES, SYMBOL LEGEND, & ABBREVIATIONS
FA101.1	OVERALL FIRST FLOOR FIRE ALARM PLAN
FA101.2	OVERALL SECOND FLOOR FIRE ALARM PLAN

FIRE ALARM SYMBOLS LEGEND

- FACP — FIRE ALARM CONTROL PANEL
- FAA — FIRE ALARM ANNUNCIATOR
- FAEP — FIRE ALARM EXTENDER PANEL
- F — FIRE ALARM MASTER BOX
- F — MANUAL PULL STATION
- F — COMBINATION AUDIBLE AND VISUAL ALARM DEVICE
- F — VISUAL ALARM DEVICE
- B — ELECTRIC ALARM BELL FOR SPRINKLER SYSTEM
- Fs — FLOW SWITCH - FURNISHED & INSTALLED BY OTHERS, WIRED BY DIV. 16.
- Ts — TAMPER SWITCH - FURNISHED & INSTALLED BY OTHERS, WIRED BY DIV. 16.
- Ps — PRESSURE SWITCH - FURNISHED & INSTALLED BY OTHERS, WIRED BY DIV. 16.
- MM — MONITOR MODULE
- CM — CONTROL MODULE
- S — SMOKE DETECTOR
- H CT — FIXED TEMPERATURE HEAT DETECTOR. "CT" WHERE SPECIFIED INDICATES MELTABLE ALLOY TYPE FOR COLD TEMPERATURE APPLICATION
- H — WALL MOUNTED FIXED TEMPERATURE HEAT DETECTOR.
- S R — SMOKE DETECTOR, ELEVATOR RECALL.
- H R — FIXED TEMPERATURE HEAT DETECTOR, ELEVATOR SHUNT TRIP.
- H R — WALL MOUNTED FIXED TEMPERATURE HEAT DETECTOR, ELEVATOR SHUNT TRIP
- S — DUCT SMOKE DETECTOR - SUPPLY & RETURN
- S F — DUCT FIRE/SMOKE DAMPER - SUPPLY & RETURN
- SD — SMOKE DAMPER (FBO)
- RPTR — FIRE ALARM UHF/VHF RADIO REPEATER
- RT — REMOTE TEST SWITCH
- KB — KNOX BOX
- RTS — DUCT SMOKE DETECTOR TEST SWITCH.

FLOOR PLAN GENERAL NOTES

1. ALL INSTALLATION WORK SHALL BE COMPLETED BY A LICENSED ELECTRICAL CONTRACTOR, WHO SHALL BE REFERRED TO AS "CONTRACTOR" WHERE REFERENCED ELSEWHERE WITHIN THESE DOCUMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL FIRE ALARM SYSTEM COMPONENTS & DEVICES, WIRING, CONDUIT, MOUNTING HARDWARE, SYSTEM TESTING AND TRAINING.
3. THE NEW ADDRESSABLE INITIATION DEVICES AND NEW NOTIFICATION DEVICES SHALL BE CONNECTED TO THE APPROPRIATE FAS CIRCUITS AT THE FIRE COMMAND STATION/DATA GATHERING PANEL SERVING EACH PORTION OF THE BUILDING. PROVIDE AND INSTALL END OF LINE DEVICES AS REQUIRED. INSTALL LINE ISOLATION MODULES FOR EVERY 30 DEVICES ON EACH ADDRESSABLE INITIATING CIRCUIT. EXACT LOCATIONS OF ISOLATION MODULES SHALL BE DETERMINED IN THE FIELD, DOCUMENTED AND LABELED AS SUCH.
4. ALL FIRE ALARM LOW VOLTAGE WIRING SHALL BE CERTIFIED TEFLON JACKETED FIRE ALARM CABLE. FIRE ALARM CABLE MAY BE INSTALLED UNPROTECTED BY CONDUIT WHEN CONCEALED FROM VIEW, PROTECTED BY THE BUILDING CONSTRUCTION. WHEN CONDUITS RUN WITHIN 8 FT. OF FINISHED FLOOR, THE CONDUIT SHALL BE RIGID GALVANIZED STEEL. PROVIDE APPROVED FIRE STOPPING MATERIAL FOR ALL FLOOR, WALL AND BARRIER PENETRATIONS TO MAINTAIN FIRE/SMOKE RATINGS. ALL FAS CONDULETS, JUNCTION BOXES AND TERMINAL BOXES SHALL BE PAINTED FIRE DEPARTMENT RED, IN ACCORDANCE WITH CODE.
5. DURING INSTALLATION THE ELECTRICAL CONTRACTOR SHALL TEST ALL WIRING FOR INTEGRITY (CONDUCTOR TO CONDUCTOR/CONDUCTOR TO GROUND) AFTER EACH PHASE OF WORK AFTER ALL EQUIPMENT IS COMPLETELY INSTALLED, TESTED AND OPERATIONAL, THE FCS SHALL BE PROGRAMMED AND ALL TRANSPONDER PANELS SHALL BE TESTED AND THE WIRING RE-TESTED FOR INTEGRITY.
6. THE CONTRACTOR SHALL PROVIDE, PROGRAM AND INSTALL ALL DEVICES, EQUIPMENT, AND WIRING NECESSARY TO TRANSMIT ALL FIRE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED CENTRAL STATION MONITORING STATION STATION SERVICE.
7. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL APPLICABLE RHODE ISLAND STATE ELECTRICAL CODES FOR POWER AND FIRE ALARM SYSTEM WIRING, CONDUCTORS, TERMINATIONS, GROUNDS, LABELING, CONDUCTOR INSULATION, CONDUCTOR COLOR CODING, RACEWAY INSTALLATION, RACEWAY COLOR CODING, DISCONNECT INSTALLATION, DISCONNECT COLOR CODING, AND ALL OTHER NYC CODES, RULES, REGULATIONS, BULLETINS, AND STANDARDS.
8. WALL MOUNTED HORNS SHALL BE INSTALLED BETWEEN 80" AND 96" O.C. AFF. CEILING MOUNTED HORNS SHALL NOT BE INSTALLED ABOVE 20 FT. PROVIDE ADEQUATE WATT TAPPING TO MEET 15 DBA ABOVE AVERAGE AMBIENT SOUND LEVELS.
9. THE NUMBER OF NOTIFICATION AND SIGNALING CIRCUITS SHALL BE DETERMINED BY CONTRACTOR BASED ON CALCULATIONS RELATED TO CABLE RESISTANCE AND CAPACITANCE. PROVIDE SYNCHRONIZED VISUAL ALARM STROBES ON ALL FLOORS AS SHOWN ON THE DRAWINGS. ALL VISUAL DEVICES WITHIN THE FIELD OF VIEW SHALL BE SYNCHRONIZED.
10. PROVIDE COMBINATION HORN/STROBES DEVICE AS SHOWN ON DRAWINGS. INSTALL DEVICES BETWEEN 80" AND 96" O.C. AFF OR 6" O.C. BELOW CEILING WHICHEVER IS LOWER WHERE WALL MOUNTED DEVICES ARE INDICATED. PROVIDE CEILING MOUNTED DEVICES WHERE INDICATED.
11. CONTRACTOR SHALL DETERMINE THE MEANS OF ROUTING THE NEW CONDUCTORS TO/FROM EACH NEW PANEL, CONTROL WIRING, INITIATING DEVICES AND NOTIFICATION APPLIANCES.
12. ALL DEVICES SHALL BE SUITABLE FOR THE INTENDED ENVIRONMENT. ALL AREAS WHERE THE TEMPERATURE MAY BE LESS THAN 32°F OR MORE THAN 100°F NON ADDRESSABLE DEVICES SHALL BE USED WITH ADDRESSABLE MONITOR MODULES LOCATED IN THE CLOSEST ENVIRONMENTALLY CONTROLLED LOCATION. OUTDOOR DEVICES AND APPLIANCES SHALL BE LISTED FOR SUCH OR ENCASED IN NEMA 4 WEATHER PROOF ENCLOSURES. SMOKE DETECTORS SHALL BE PLACED AT LEAST 36 INCHES FROM SUPPLY REGISTERS.
13. INSTALLATION OF COMPONENTS AND PANELS SHALL MEET THE REQUIRED SPACING (3 FT CLEARANCE) AND ACCESSIBILITY FOR FUTURE SERVICING AND/OR TROUBLESHOOTING. LOCATIONS FOR ALL COMPONENTS (DGP, POWER SUPPLIES, ETC) SHALL BE FIELD VERIFIED AND MEASURED OUT BY THE CONTRACTOR PRIOR TO ANY INSTALLATION.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING ALL CONFLICTS WITH LIGHTING FIXTURES, DIFFUSERS, GRILLS, DUCTS, STRUCTURAL MEMBERS, PIPES AND OTHER OBSTRUCTIONS ENCOUNTERED. SMOKE AND HEAT DETECTORS SHALL NOT BE LOCATED WITHIN 36" OF SUPPLY REGISTERS.
15. ALL FIRE ALARM SYSTEM COMPONENTS SHALL EACH BE PROVIDED WITH A PERMANENT LABEL INDICATING THE IDENTIFICATION NUMBER FOR THE PANEL (EXAMPLE: DGP#1, DGP#2) AND CLEARLY IDENTIFY THE AREA THAT IS BEING COVERED BY EACH PANEL. THE WIRING LABELING SYSTEM PROPOSED BY THE CONTRACTOR SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEING USED.
16. NO CONDUITS ARE TO ENTER THE TOP OF A FIRE COMMAND STATION PANEL/DATA GATHERING PANEL/STROBE POWER SUPPLY PANEL, REGARDLESS OF SYSTEM TYPE OR SIZE.
17. ALL WIRE SHALL BE IN STEEL CONDUIT WITHIN UNFINISHED AREAS (INCLUDING TUNNELS AND CORRIDORS WITHOUT FINISHED CEILINGS). WHERE CONDUIT IS SUBJECT TO PHYSICAL DAMAGE, ALL CONDUIT BELOW 8 FT SHALL BE RMC AS PER NFPA 70. CONDUIT ABOVE 8 FT SHALL BE ELECTRICAL METAL TUBING (EMT) WITH COMPRESSION FITTINGS. WITHIN FINISHED AREAS ALL EXPOSED CONDUIT SHALL BE SURFACE MOUNTED RACEWAY PAINTED TO MATCH ADJACENT SURFACES.
18. ALL NEW FIRE ALARM CABLE SHALL BE RUN PARALLEL AND PERPENDICULAR- NO DIAGONAL RUNS. SUPPORTS SHALL BE PROVIDED EVERY 5'-0" ON CENTER.
19. CONTRACTOR SHALL OBSERVE ALL POLARITY ON ALL FIRE ALARM CIRCUITS. NO TEE TAPPING IS PERMITTED ON FIRE ALARM CIRCUITS.
20. ALL FIRE ALARM CONDUCTOR TERMINATIONS SHALL BE WITHIN JUNCTION BOXES, DEVICE BACKBOXES, TERMINAL CABINETS, CONTROL PANELS OR OTHER SUITABLE METAL ENCLOSURES.
21. ALL TERMINATIONS ARE TO BE SUPERVISED BY MANUFACTURER'S REPRESENTATIVE PRIOR TO POWERING EQUIPMENT.
22. THE CONTRACTOR SHALL IDENTIFY THE LOCATION AND QUANTITIES OF JUNCTION BOXES, TERMINAL BOXES, SPARE CONDUCTORS, COLOR CODING OF CONDUCTORS, SPLICES, DEVICE BACKBOXES, AND TERMINAL STRIPS. THESE DRAWINGS SHALL INCLUDE A SCHEDULE OF ALL CONNECTIONS/TERMINALS, INDEXED BY JUNCTION BOX, DEVICE BACKBOX AND TERMINAL STRIP AND SHALL REFERENCE WIRE IDENTIFICATION TAPED NUMBERS AS INSTALLED AT EACH TERMINATION OR INTERCONNECTION.
23. ALL WIRES IN A PULL BOX CONTAINING MORE THAN TWO WIRES SHALL BE LABELED.
24. ALL CIRCUITS SHALL BE SUPERVISED. ALL SHIELDS TO BE CONTINUOUS AND ISOLATED FROM GROUND.
25. ALL DEVICES INSTALLED AS DESCRIBED ABOVE SHALL BE PROGRAMMED, TESTED AND MADE FULLY OPERATIONAL AT THE FACP TO IMPLEMENT THE FIRE MANAGEMENT SEQUENCE OF OPERATION AS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS. THE ENTIRE FIRE ALARM SYSTEM SHALL BE TESTED IN ACCORDANCE WITH NFPA-72 (CHAPTER 7 INSPECTION, TESTING AND MAINTENANCE). THE CONTRACTORS SHALL BE RESPONSIBLE FOR COMMISSIONING A PRE-TEST PRIOR TO FDNY INSPECTION.
26. CONTRACTOR SHALL COORDINATE ALL TESTING WITH THE OWNER AND THE ENGINEER.
27. CORRECTIVE MAINTENANCE: NECESSARY REPAIRS AND/OR REPROGRAMMING FOR DEFICIENT OR INOPERABLE DEVICES SUCH AS THOSE FOUND DURING THE COURSE OF TESTING, INSPECTION, OR HAVE FAILED DURING OPERATION WILL BE PROVIDED BY CONTRACTOR.
28. CONTRACTOR SHALL SUBMIT THE REQUEST FOR FORMAL TEST / INSPECTION AT LEAST 15 DAYS PRIOR TO THE DATE OF THE TEST / INSPECTION IS TO TAKE PLACE. CONTRACTOR SHALL HAVE CONDUCTED A FULL PRETEST OF THE FAS AND ITS COMPONENTS IN ACCORDANCE WITH NFPA 72 AND APPLICABLE CITY REQUIREMENTS, AND SUBMITTED THE NFPA 72 RECORD OF COMPLETION FORM FOR REVIEW PRIOR TO SCHEDULING THE ACCEPTANCE TEST. AN EXPERIENCED TECHNICIAN WITH NICET III CERTIFICATION SHALL BE PRESENT DURING THE ACCEPTANCE TEST. THE ACCEPTANCE TEST SHALL BE CONDUCTED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. ANY DEFICIENCIES NOTED SHALL BE CORRECTED AND A NEW RECORD OF COMPLETION FORM AND TEST REPORT SHALL BE PROVIDED TO THE ENGINEER AND OWNER.
29. A STAMPED SET OF APPROVED DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR INSTALLATION. A SECOND SET SHALL BE USED FOR RED LINING AS-BUILT CHANGES.
30. PROJECT CLOSE OUT SHALL CONSIST OF PROVIDING THE FOLLOWING:
    A. FULLY ADDRESSED AND CORRECT AS-BUILT DRAWINGS SHOWING LOCATION OF ALL NEW WIRING, PANELS AND DEVICES ALONG WITH THEIR ADDRESSES AS PROGRAMMED INTO THE NEW SYSTEM. A HARD COPY AND ELECTRONIC POINTS LIST.
    B. FULL SYSTEM OPERATIONS AND MAINTENANCE MANUAL INCLUSIVE OF ALL PRODUCT DATA SHEETS, OPERATIONS MANUALS, WIRING DIAGRAMS, SEQUENCE OF OPERATIONS, NFPA MAINTENANCE SCHEDULE, SYSTEM PASSWORDS, COMPLETE SYSTEM PROGRAM INCLUDING BUT NOT LIMITED TO SYSTEMS DEFINITION UTILITY DATABASE APPLICATION (HARD COPY AND ELECTRONIC), WARRANTY, INSTALLER CERTIFICATIONS, NFPA 72 RECORD OF COMPLETION, AND NEW LETTER OF APPROVAL.
31. ALL FIRE ALARM WORK TO BE COMPLETED BY CCRI WARRANTEE VENDOR AT THE TIME OF THE ENTIRE SCOPE OF WORK. ALL COSTS FOR THIS VENDOR ARE TO BE PART OF THE BASE BID PROPOSAL.

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

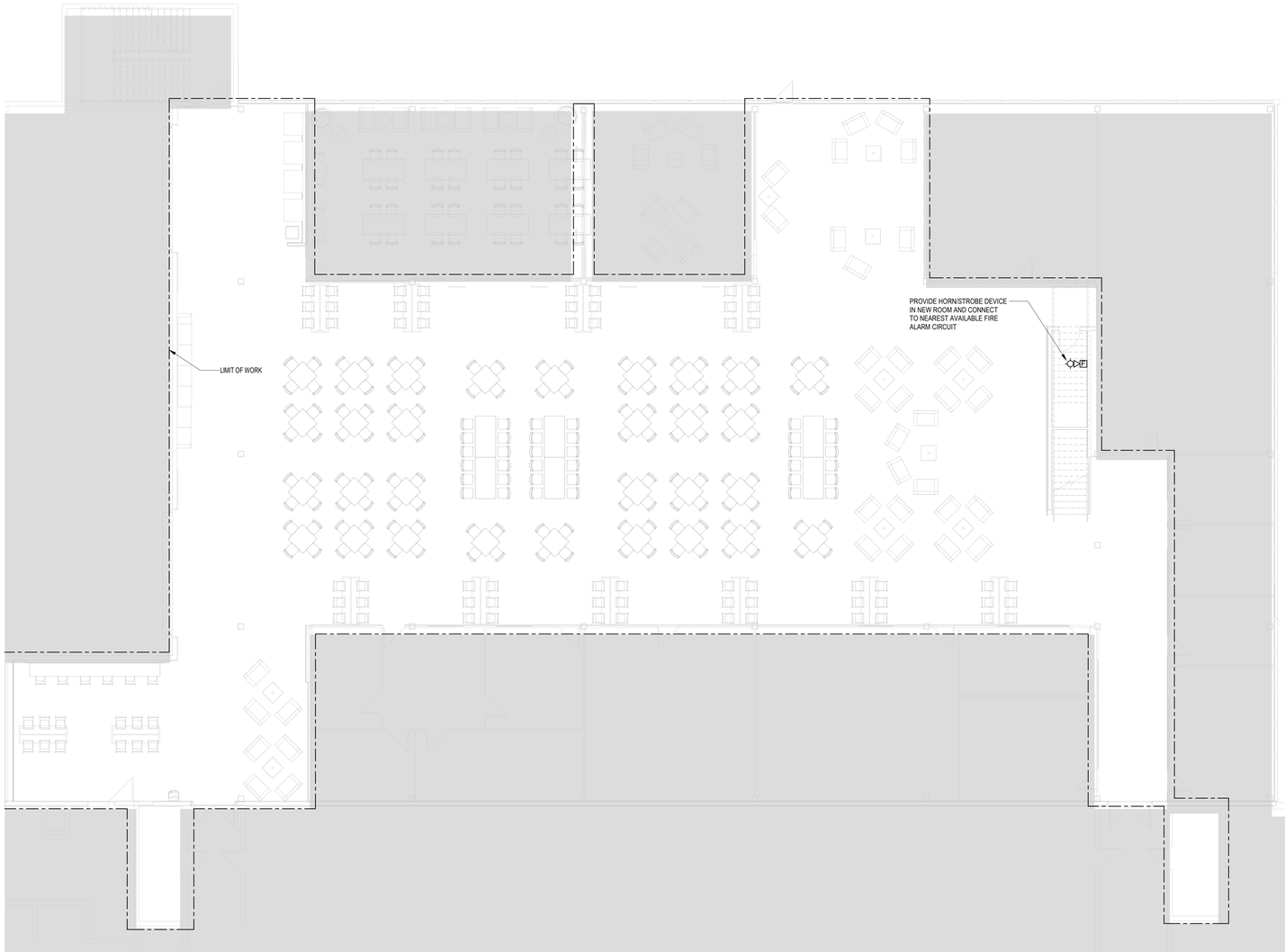
Designed: BP
Drawn: BP
Reviewed: BP
Project No.: 2400014
Date: 02/14/2025
Issued for: BID

Title: FIRE ALARM NOTES, SYMBOL LEGEND, & ABBREVIATIONS

Sheet No.: FA001

2/13/2025 5:08:16 PM C:\Users\BpoelitlDocuments\2400014_Flanagan Commons_MEP_R24_Central_bpoelitl.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 FIRE ALARM PLAN - FIRST FLOOR
1/8" = 1'-0"

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

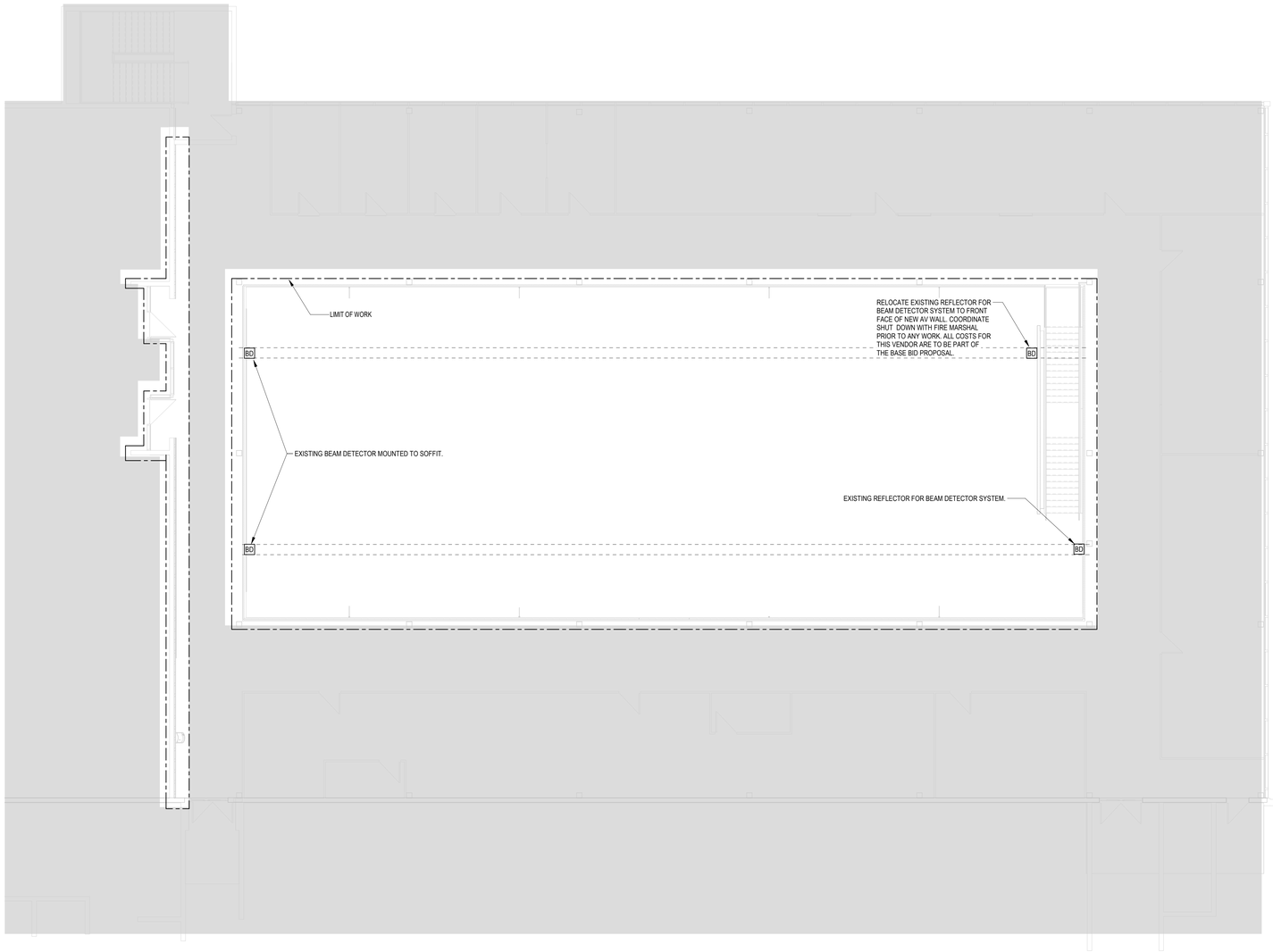
Designed:	BP
Drawn:	BP
Reviewed:	BP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
OVERALL FIRST FLOOR FIRE ALARM PLAN

Sheet No.
FA101.1

2/13/2025 5:08:23 PM C:\Users\BpoeltI\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpoeltl.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 FIRE ALARM PLAN - SECOND FLOOR
1/8" = 1'-0"

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed: BP
Drawn: BP
Reviewed: BP
Project No.: 2400014
Date: 02/14/2025
Issued for:
BID

Title:
OVERALL SECOND FLOOR FIRE ALARM PLAN

Sheet No.
FA101.2

2/13/2025 5:08:24 PM C:\Users\BpoeltI\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpoeltl.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

MECHANICAL GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND FOLLOWING OWNERS RULES AND STANDARDS PRIOR TO BID, WORK AND COMPLETION OF PROJECT.
3. THE CONTRACTOR SHALL DO THIS WORK IN ACCORDANCE WITH LOCAL LAWS AND ORDINANCES HAVING JURISDICTION. IN ADDITION TO THE BUILDING PERMIT, THE CONTRACTOR SHALL OBTAIN ALL OTHER PERMITS AND APPROVALS AS REQUIRED BY LAW FOR THE COMPLETION OF THE WORK AND ISSUANCE OF A FULL CERTIFICATE OF OCCUPANCY.
4. INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
5. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
6. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
7. DUCTWORK AND PIPING LAYOUTS ARE SCHEMATIC AND ARE INTENDED TO SHOW GENERAL ARRANGEMENT, SIZE, AND CAPACITY AND DO NOT INDICATE WHICH DUCT OR PIPE IS ABOVE OR BELOW THE OTHER. ALL OFFSETS ARE NOT NECESSARILY SHOWN. THE MC SHALL ARRANGE AND COORDINATE THE WORK, PROVIDE NECESSARY OFFSETS AND FITTINGS TO AVOID CONFLICT WITH OTHER MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL SERVICES AND STRUCTURAL AND ARCHITECTURAL ELEMENTS WITHOUT ADDITIONAL COST TO THE OWNER. IF AREAS OF CONFLICT ARE ENCOUNTERED, THE MC SHALL SUBMIT RECOMMENDATIONS FOR CORRECTIVE ACTION TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO WORK BEING PERFORMED.
8. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
9. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK OR PIPING INSULATION IS APPLIED.
10. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). TESTING, ADJUSTING, AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH THE AABC STANDARDS.
11. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
12. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
13. WHEN MECHANICAL WORK (HVAC, PLUMBING, SHEET METAL, FIRE PROTECTION, ETC.) IS SUBCONTRACTED, IT SHALL BE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE SUBCONTRACTORS AND THE ASSOCIATED CONTRACTS. WHEN DISCREPANCIES ARISE PERTAINING TO WHICH CONTRACTOR PROVIDES A PARTICULAR ITEM OF THE MECHANICAL CONTRACT OR WHICH CONTRACTOR PROVIDES FINAL CONNECTIONS FOR A PARTICULAR ITEM OF THE MECHANICAL CONTRACT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE MECHANICAL CONTRACTOR, WHOSE DECISION SHALL BE FINAL.
14. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
15. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. ALL STEEL SHALL BE GALVANIZED WITH (2) COATS OF A RUST PROHIBITIVE PRIMER.
16. WHERE ANY MECHANICAL COMPONENTS REQUIRING MAINTENANCE OR ADJUSTMENT, (I.E. VOLUME & CONTROL DAMPERS, VALVES, PIPING SPECIALTIES, FIRE, SMOKE & COMBINATION FIRE/SMOKE DAMPERS, MECHANICAL EQUIPMENT, ETC.), ARE LOCATED IN INACCESSIBLE AREAS, FURNISH APPROPRIATELY SIZED ACCESS DOORS OR PANELS AND TURN OVER TO THE GENERAL CONTRACTOR (GC) FOR INSTALLATION. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GC FOR THE PROPER LOCATIONS.
17. SEISMICALLY RESTRAIN ALL MECHANICAL EQUIPMENT, PIPING AND DUCT AS REQUIRED BY CODE.
18. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING AND DUCT SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
19. UNLESS OTHERWISE NOTED, ELEVATIONS AS SHOWN ON THE DRAWINGS FOR PIPING ARE TO THE CENTERLINE OF ALL PRESSURE PIPING AND TO THE INVERT OF ALL GRAVITY PIPING. ELEVATIONS AS SHOWN ON THE DRAWINGS FOR DUCTWORK ARE TO BE THE "BOTTOM-OF-DUCT" (BOD).
20. OTHERWISE NOTED, ALL PIPING AND DUCTS ARE OVERHEAD, TIGHT TO UNDERSIDE OF STRUCTURE OR SLAB WITH SPACE FOR INSULATION IF REQUIRED.
21. UNLESS OTHERWISE NOTED, THE LOCATION OF LIGHTING AND SPRINKLER HEADS TAKES PRECEDENCE OVER THE LOCATIONS OF REGISTER, GRILLES & DIFFUSERS (RGDs). ALSO, CONTRACTOR SHALL COORDINATE WITH OWNER SUPPLIED AND/OR INSTALLED EQUIPMENT. COORDINATION DRAWINGS MUST BE SUBMITTED BEFORE ANY MECHANICAL, PLUMBING, FIRE PROTECTION EQUIPMENT IS INSTALLED, IF NOT, THE MECHANICAL CONTRACTOR WILL BE REQUIRED TO REMOVE/RELOCATE AT THEIR EXPENSE.
22. PROVIDE CABLE OPERATED VOLUME DAMPERS AT ALL LOCATIONS WHERE THE DAMPER IS IN AN INACCESSIBLE LOCATION AND ACCESS DOORS CANNOT BE PROVIDED. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF THE OPERATORS TO ALLOW FOR CONVENIENT OPERATION.
23. FIRE SEAL AROUND ALL DUCT AND PIPING PENETRATIONS THROUGH FIRE RATED ASSEMBLIES. COORDINATE WITH ARCH. DWGS. FOR ASSEMBLY TYPES AND LOCATIONS. PROVIDE ALL NECESSARY MATERIALS/COMPONENTS AND INSTALL IN STRICT ACCORDANCE WITH U.L. REQUIREMENTS BASED ON THE ASSEMBLIES COMPOSITION. REFER TO DIV. 23 SPECIFICATIONS AND DIV. 07 SPEC. FOR ADDITIONAL INFORMATION.
24. HANGERS FOR PIPES, DUCTS, CONDUITS, PANELS, TRANSFORMERS, MECHANICAL AND PLUMBING EQUIPMENT, ETC... ARE INTENDED TO BE SUPPORTED BY MISC. GALV. STEEL ANGELS OR CHANNELS OR SIMILAR DEVICES MEETING MSS STANDARDS AND SECURELY ATTACHED TO BUILDING STRUCTURAL STEEL COMPONENTS. IT IS NOT INTENDED FOR HANGERS TO BE PRIMARILY SUPPORTED FROM THE FLOOR SLAB. WHERE UNAVOIDABLE, REFER TO DIV. 05, STEEL DECKING, FOR REQUIREMENTS PERTAINING TO HANGERS SUPPORTED BY THE FLOOR DECK. DO NOT INSTALL ANY HANGERS DIRECTLY TO THE ROOF DECK. ALL ATTACHMENTS TO STEEL BAR JOISTS, TRUSSES, OR JOIST GIRDERS SHALL BE AT PANEL POINTS. ALL CONNECTIONS SHALL BE COORDINATED WITH GENERAL CONTRACTOR. WELDING TO STRUCTURAL MEMBERS SHALL NOT BE PERMITTED.

MECHANICAL ABBREVIATIONS

A	AMPS, AMPERE
ABC	ABOVE COUNTER
ABV	ABOVE
AC	AIR CONDITIONING UNIT
AC	ALTERNATING CURRENT
ACU	AIR-COOLED CONDENSING UNIT
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AFR	ABOVE FINISHED ROOF
AHU	AIR HANDLING UNIT
AL	ACOUSTIC LINING
AMB	AMBIENT
AUX	AUXILIARY, AUXILIARIES
AV	AUDIO VISUAL
BDD	BACKDRAFT DAMPER
BLDG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CAT	CATALOGUE
CD	CONDENSATE DRAIN
CF	CIRCULATION FAN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CKT	CIRCUIT
CLG	CEILING
CO	CLEAN OUT, CARBON MONOXIDE
CO2	CARBON DIOXIDE
COD	CABLE OPERATED VOLUME DAMPER
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONN	CONNECT
CONST	CONSTRUCTION
CONT	CONTINUOUS
COP	COEFFICIENT OF PERFORMANCE
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
CT	COOLING TOWER
CU	CONDENSING UNIT
CVO	COLD WATER VALVED OPENING
CW	COLD WATER
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DEPTH
DB	DRY BULB
DCV	DEMAND CONTROLLED VENTILATION
DEMARC	TELECOMMUNICATION DEMARCATION BOARD
DIA	DIAMETER
DIFF	DIFFUSER
DN	DOWN
DOAS	DEDICATED OUTSIDE AIR SYSTEM
DTL	DETAIL
DTL	DETAIL
DWG	DRAWING
EA	EACH
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECH	ELECTRIC CEILING HEATER
EDH	ELECTRIC DUCT HEATER
EER	ENERGY EFFICIENCY RATIO
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
EQUIP	EQUIPMENT
ER	EXISTING TO BE REMOVED
ERV	ENERGY RECOVERY VENTILATOR
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EWH	ELECTRIC WALL HEATER
EWT	ENTERING WATER TEMPEARTURE
EXH	EXHAUST
EXIST, EXG	EXISTING
EXP	EXPANSION
F	DEGREES FAHRENHEIT
F/A	FROM ABOVE
F/B	FROM BELOW
FA	FREE AREA
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FPB	FAN POWERED VAV TERMINAL UNIT
FPM	FEET PER MINUTE
FSD	COMBINATION FIRE/SMOKE DAMPER
FT	FEET
G	GROUND
GA	GAUGE
GAL	GALLONS
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HEIGHT, HYDROGEN
HD	HEAD
HORIZ	HORIZONTAL
HP	HORSEPOWER
HTG	HEATING
HUM	HUMIDITY
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HVLS	HIGH VOLUME LOW SPEED
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IDF	INDIVIDUAL DISTRIBUTION FRAME - DATA
IN	INCHES
IN WC	INCHES WATER COLUMN
KVA	KILOVOLT AMPERES

MECHANICAL ABBREVIATIONS

KW	KILOWATT
KWH	KILOWATT - HOUR
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LAT	LATENT (BTU)
LB	POUNDS (WEIGHT)
LD	LINEAR DIFFUSER
LIN FT	LINEAR FOOT
LPR	LOW PRESSURE STEAM RETURN
LPS	LOW PRESSURE STEAM SUPPLY
LTG	LIGHTING
LWT	LEAVING WATER TEMPERATURE
mA	MILI AMPS
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNIT PER HOUR
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN DISTRIBUTION FRAME - DATA
MECH	MECHANICAL
MH	METHANE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MTR	MOTOR
MTRZD	MOTORIZED
#	NUMBER
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO2	NITROGEN DIOXIDE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OCC	OCCUPANCY
OD	OUTSIDE DIAMETER
OED	OPEN-ENDED DUCT
OZ	OUNCE
PD	PRESSURE DROP
PD	PUMPED DISCHARGE
PE	PHOTO-ELECTRIC
PERF	PERFORATED
PF	POWER FACTOR
PH	PHASE
PLBG	PLUMBING
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
PSIG	POUNDS PER SQUARE INCH - GAUGE
PVC	POLYVINYL CHLORIDE
PWR	POWER
RA	RETURN AIR
RCP	REFLECTED CEILING PLAN
REC	RECEPTACLE
REF	REFERENCE
REFR	REFRIGERATOR
REQ	REQUIRED
RH	RELATIVE HUMIDITY
RLA	RUNNING LOAD AMPS
RLFA	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RQ	REQUIREMENT
RT	RAINTIGHT
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SD	SMOKE DETECTOR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SEF	SMOKE EXHAUST FAN
SENS	SENSIBLE (BTU)
SHT	SHEET
SHT MTL	SHEET METAL
SP	STATIC PRESSURE
SPECS	SPECIFICATIONS
SPEF	SMOKE PURGE EXHAUST FAN
SPKR	SPEAKER
SQ	SQUARE
SQFT, SF	SQUARE FEET
STD	STANDARD
SURF	SURFACE
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
T-STAT	THERMOSTAT
TC	TIMECLOCK
TELE	TELEPHONE
TOT	TOTAL (BTU)
TYP	TYPICAL
UF	UNDERFLOOR
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VALVE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VERT	VERTICAL
VT	VENT
VTL	VENTILATION
VV	VARIABLE VOLUME TERMINAL UNIT
W	WATTS
W	WIDTH
WB	WET BULB
WH	WATER HEATER
WMS	WIRE MESH SCREEN
WP	WEATHERPROOF
WT	WEIGHT

MECHANICAL PIPING LEGEND

(NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS)

SYMBOL	DESCRIPTION
CD	CONDENSATE PIPING
HWS	HOT WATER SUPPLY PIPING
HWR	HOT WATER RETURN PIPING
CHS	CHILLED WATER SUPPLY PIPING
CHR	CHILLED WATER RETURN PIPING
CHWS	CHILLED/HOT WATER SUPPLY
CHWR	CHILLED/HOT WATER RETURN
	GATE VALVE
	BALL VALVE
	CHECK VALVE
	T&P SAFETY RELIEF VALVE
	BUTTERFLY VALVE
	UNION
	2-WAYCONTROL VALVE
	3-WAYCONTROL VALVE
	CONCENTRIC REDUCER

MECHANICAL DRAWING LIST

SHEET NO.	SHEET TITLE
M001	MECHANICAL NOTES, SYMBOL LEGEND, & ABBREVIATIONS
MD101.1	FIRST FLOOR MECHANICAL DEMOLITION PLAN
M101.1	OVERALL FIRST FLOOR AND PARTIAL SECOND FLOOR MECHANICAL PLANS
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES

MECHANICAL LEGEND

(NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS)

SYMBOL	DESCRIPTION
	90° ELBOW DOWN
	90° ELBOW UP
	ROUND RADIUS ELBOW
	45° ELBOW
	90° ELBOW DOWN
	90° ELBOW UP
	RECTANGULAR RADIUS ELBOW
	RECTANGULAR ELBOW WITH TURNING VANES
	BRANCH TAKE-OFF WITH ANGLED TAP & VOLUME DAMPER
	REDUCER, ECCENTRIC
	REDUCER, CONCENTRIC
	INTERNAL ACOUSTICALLY LINED DUCTWORK
	INSULATED DUCTWORK
	SUPPLY DUCT
	RETURN DUCT
	EXHAUST DUCT
⌀	ROUND DUCT
	FLEXIBLE DUCT CONNECTION
	EXISTING DUCT TO REMAIN
	EXISTING DUCT TO BE REMOVED
	NEW DUCT
	SUPPLY AIR DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
	MANUAL VOLUME DAMPER
M	MOTERIZED DAMPER
BD	BACKDRAFT DAMPER
FD	FIRE DAMPER
SD	SMOKE DAMPER
FSD	COMBINATION FIRE-SMOKE DAMPER
NO2 CO2	SPACE COMBINATION NITROGEN DIOXIDE AND CARBON MONOXIDE SENSOR
FCP	FAN CONTROL PANEL
T/H	COMBINATION TEMPERATURE AND RELATIVE HUMIDITY SENSOR
SD	DUCT SMOKE DETECTOR
CO2	SPACE OR DUCT CARBON DIOXIDE SENSOR
CO	SPACE CARBON MONOXIDE SENSOR
H	SPACE HYDROGEN SENSOR
T	SPACE OR DUCT TEMPERATURE THERMOSTAT
RH	SPACE OR DUCT RELATIVE HUMIDITY SENSOR
NO2	SPACE NITROGEN DIOXIDE SENSOR
OCC	SPACE OCCUPANCY SENSOR
1/2"	UNDERCUT DOOR - NUMBER DENOTES DOOR UNDERCUT
	RETURN / EXHAUST AIRFLOW DIRECTION
	SUPPLY AIRFLOW DIRECTION
	WATER FLOW DIRECTION
	PIPING GUIDE
	PIPING ANCHOR
	DISCONNECTION POINT
	CONNECTION POINT
#	KEYNOTE

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

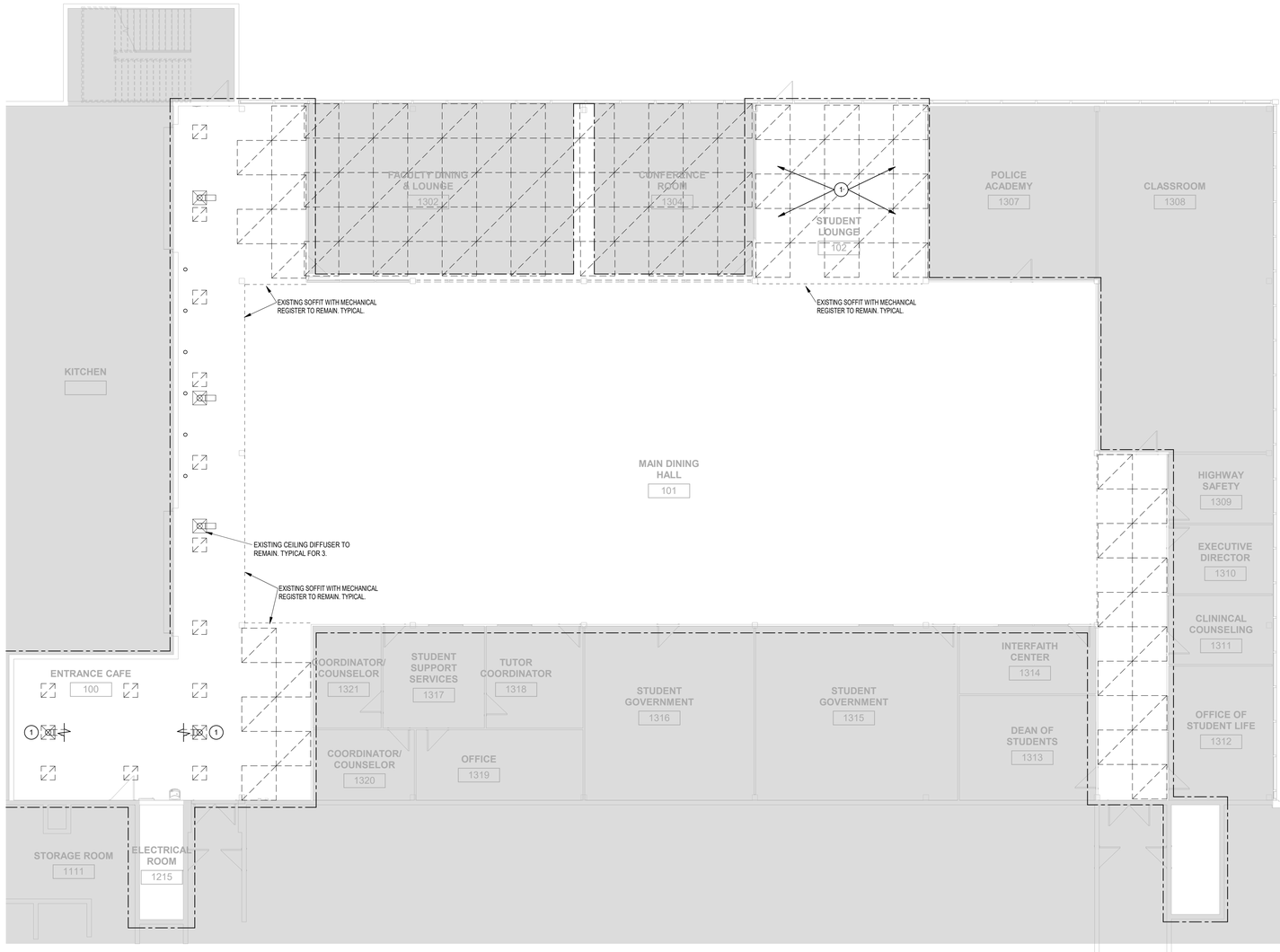
Designed:	PMS
Drawn:	PMS
Reviewed:	SP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
MECHANICAL NOTES, SYMBOL LEGEND, & ABBREVIATIONS

Sheet No.
M001

2/13/2025 6:44:38 PM C:\Users\pmscofield\Documents\2400014_Flanagan Commons_MEP_R24_Central_pmscofield4GXCV.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 FIRST FLOOR MECHANICAL DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION PLAN GENERAL NOTES:

1. ALL WORK NOT SPECIFICALLY INDICATED AS BEING REMOVED SHALL REMAIN.
2. THE CONTRACTOR SHALL VISIT THE SITE AND ADJOINING AREAS, EXAMINE, AND BE FAMILIAR WITH ALL EXISTING CONDITIONS AND DETERMINE THE IMPACT ON THE EXECUTION OF WORK OF THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ARCHITECT OF ANY DISCREPANCIES. THE CONTRACTOR SHALL PERFORM THIS PRIOR TO THE SUBMISSION OF HIS PROPOSAL. SUBMISSION OF PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT, MATERIALS, ETC... REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
3. CONTRACTORS SHALL TAKE SPECIAL CARE TO DEMOLISH ONLY THAT WORK WHICH IS REQUIRED TO BE DEMOLISHED AND NOT TO DISTURB ANY WORK WHICH IS TO REMAIN. IF IN THE COURSE OF THE DEMOLITION, THE CONTRACTOR DESTROYS OR DISTURBS ANY WORK WHICH IS TO REMAIN, THEN HE SHALL, AT HIS OWN EXPENSE, REPAIR OR REPLACE SUCH WORK AS NECESSARY.
4. THE DEMOLITION WORK SHALL INCLUDE PROVIDING ALL MATERIALS AND LABOR FOR, EXTENSIONS, CONNECTIONS, CUTTING, PATCHING, REPAIRING, ELECTRICAL WORK, AND TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. NOTES AND GRAPHIC REPRESENTATION SHALL NOT LIMIT THE EXTENT OF DEMOLITION REQUIRED. EXTENT OF THE DEMOLITION WORK SHALL BE COORDINATED WITH THE ARCHITECT.
5. PRIOR TO ANY WORK BEING PREFORMED, THIS CONTRACTOR SHALL COORDINATE WITH ALL APPROPRIATE TRADES AND BUILDING MANAGEMENT TO ENSURE THAT WORK WILL BE IN HARMONY WITH OTHER WORK AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING MANAGEMENT PRIOR TO PROCEEDING.
6. GENERAL CONTRACTOR TO REMOVE ALL CEILING IN AREAS WHERE NEW WORK IS TO BE INSTALLED OR EXISTING IS ALTERED, AS PER ARCHITECT'S INSTRUCTIONS.
7. THE CONTRACTOR SHALL DOCUMENT ALL EXISTING DUCTWORK, PIPING, FEEDERS, LOW VOLTAGE CONTROL WIRING, ETC... WHICH PASS THROUGH THE DEMOLITION SPACE SERVICING EXISTING OCCUPIED ADJOINING AREAS. ANY EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH NEW WORK SHALL BE RELOCATED AND RECONNECTED USING LIKE MATERIALS AND METHODS OF THE EXISTING SERVICE AND SHALL CONFORM TO STANDARDS OF THIS CONTRACT. THIS WORK MAY NOT BE REPRESENTED IN THE DRAWINGS, BUT SHOULD BE TAKEN INTO ACCOUNT BY THE CONTRACTOR IN HIS PROPOSAL. COORDINATE WITH BUILDING MANAGEMENT PRIOR TO ANY SHUTDOWN OR DISRUPTION OF SERVICES THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
8. EQUIPMENT REQUIRED TO BE TEMPORARILY DISCONNECTED AND RELOCATED SHALL BE CAREFULLY REMOVED, STORED, CLEANED, REINSTALLED, RECONNECTED AND MADE OPERATIONAL.
9. ALL NECESSARY CUTTING AND PATCHING TO ACCOMMODATE THE NEW HVAC WORK SHALL BE PREFORMED BY THIS CONTRACTOR AND COORDINATED WITH BUILDING MANAGEMENT SO AS TO MINIMIZE DISRUPTION OF EXISTING TENANTS AND SERVICES. RESTORE ALL ITEMS TO MATCH EXISTING CONDITIONS.
10. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING DUCTWORK, PIPING, CONDUITS, LOW VOLTAGE CABLING AND DEVICES TO REMAIN, WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
11. PROTECT THE INTEGRITY OF ALL ITEMS (I.E. EQUIPMENT, DUCTWORK, PIPING, FINTUBE ENCLOSURE, INSULATION, ETC...) THAT ARE INDICATED TO REMAIN. MAINTAIN THE FULL FUNTIONALITY OF ALL ITEMS THAT ARE TO REMAIN. REPLACE AND/OR REPAIR ANY DAMAGE TO THE ABOVE MENTIONED ITEMS RESULTING FROM THEIR WORK. WHERE ITEMS THAT ARE INDICATED TO REMAIN ARE NOT IN PROPER WORKING ORDER PRIOR THE THE START OF THE MC'S WORK, REPORT ANY ISSUES IMMEDIATELY TO THE ENGINEER OF RECORD AND THE OWNER'S REPRESENTATIVE. UNLESS OTHERWISE NOTED, REMOVE CONDUIT AND WIRING TO POINTS OF ORIGIN WITHIN THE DESIGNATED AREA OF CONSTRUCTION FOR ALL EXISTING EQUIPMENT TO BE REMOVED.
12. ANY DEMOLITION MATERIALS, EQUIPMENT, ETC... REQUIRED TO BE TURNED OVER TO THE OWNER SHALL BE PLACED IN A MUTUALLY ACCEPTABLE LOCATION. THE ITEMS TO BE TURNED OVER AND LOCATION FOR THEIR STORAGE SHALL BE COORDINATED WITH THE OWNER'S REP. OTHERWISE, THE DEMOLITION MATERIALS SHALL BE REMOVED FROM THE BUILDING AFTER REGULAR BUSINESS HOURS AND SHALL BE TAKEN OFF-SITE NO LATER THAN THE START OF THE NEXT BUSINESS DAY. NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE. THE CONSTRUCTION SITE SHALL BE SWEPT CLEAN EACH DAY AND NO DUST OR DEBRIS SHALL BE PERMITTED TO ENTER THE AREA DRAINS SERVING THE BUILDING.
13. ALL MATERIALS AND EQUIPMENT SLATED TO BE REMOVED AND IS NOT DESIGNATED TO BE TURNED OVER TO THE OWNER, SHALL BE TAKEN FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND ENVIRONMENTAL REGULATIONS.
14. WHERE PORTIONS OF ANY EXISTING SERVICE IS TO BE DEMOLISHED, THE CONTRACTOR SHALL PROVIDE A TEMPORARY CAP TO THE EXISTING SERVICE AND MAKE SAFE ANY UNPROTECTED EXPOSED ELECTRICAL WIRING AT POINT OF DEMOLITION. CAPS SHALL BE AIRTIGHT OR WATERTIGHT DEPENDING ON TYPE OF SERVICE.

DEMOLITION PLAN KEY NOTES:

(1) EXISTING DIFFUSER TO BE REMOVED. THE EXISTING BRANCH RUNOUT AND ALL APPURTENANCES THEREOF SERVING THE DIFFUSER SHALL BE REMOVED BACK TO ITS SOURCE SUBMAIN/MAIN. PROVIDE A NEW BRANCH RUNOUT AND CONNECT TO THE EXISTING TAP AND RUN TO THE NEW LINEAR DIFFUSER. THE NEW BRANCH RUNOUT SHALL BE THE SAME SIZE. SEE DWG M101.1 AND M401 FOR ADDITIONAL INFORMATION.
1. THE MC SHALL DOCUMENT THE AIRFLOW FROM THE EXISTING DIFFUSER PRIOR TO REMOVAL AND BALANCE THE NEW LINEAR DIFFUSER TO MATCH.

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

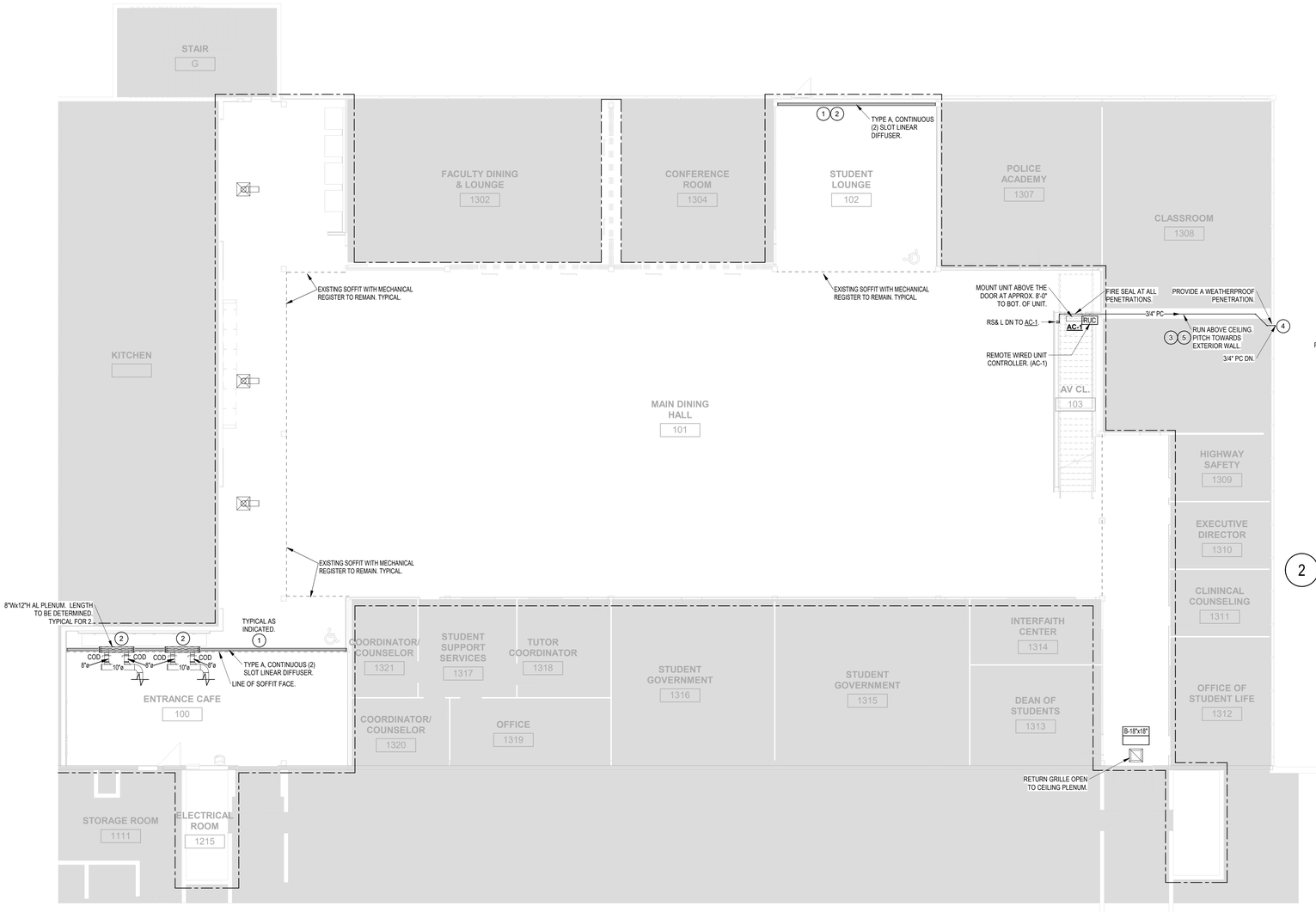
Designed:	PMS
Drawn:	PMS
Reviewed:	SP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
FIRST FLOOR MECHANICAL DEMOLITION PLAN

Sheet No.
MD101.1

2/13/2025 6:44:40 PM C:\Users\pmscofield\Documents\2400014_Flanagan Commons_MEP_R24_Central_pmscofield4GXCV.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERALL FIRST FLOOR MECHANICAL PLAN
1/8" = 1'-0"

2 PARTIAL SECOND FLOOR MECHANICAL PLAN
1/8" = 1'-0"

MECHANICAL GENERAL NOTES:

1. PROVIDE CABLE OPERATED VOLUME DAMPERS (COD) AT ALL LOCATIONS WHERE THE DAMPER IS LOCATED BEHIND AN INACCESSIBLE ASSEMBLY. THE MECHANICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF THE OPERATORS TO ALLOW FOR CONVENIENT OPERATION. INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
2. USE OF COMBUSTIBLE MATERIALS IS NOT ALLOWED IN THE RETURN AIR PLENUM. MATERIALS USED IN THE PLENUM SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25, AND A SMOKE DEVELOPED RATING NOT TO EXCEED 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84. ALL EXPOSED WIRING IN THE PLENUM SHALL BE PLENUM RATED.
3. PROVIDE NECESSARY LOW VOLTAGE WIRING, POWER SUPPLIES TO CONTROLLER, & TRANSFORMERS TO SUPPLY POWER TO THE REMOTE SENSORS AS REQUIRED BY MANUFACTURER.

MECHANICAL KEY NOTES:

(NOT ALL KEY NOTES APPEAR ON ALL SHEETS)

(1) UNUSED PORTION OF THE NEW LINEAR DIFFUSER SHALL BE USED FOR RETURN AIR OPEN TO THE CEILING PLENUM.

(2) PROVIDE A NEW BRANCH RUNOUT AND CONNECT TO THE EXISTING TAP ON THE EXISTING SUBMAIN/MAIN OF THE CEILING DIFFUSER THAT WAS REMOVED. THE NEW BRANCH RUNOUT SHALL BE THE SAME SIZE. SEE DWG MD101.1 AND M401 FOR ADDITIONAL INFORMATION.
   1. THE MC SHALL DOCUMENT THE AIRFLOW FROM THE EXISTING DIFFUSER PRIOR TO ITS REMOVAL AND BALANCE THE NEW LINEAR DIFFUSER (LD) SUPPLY AIRFLOW TO MATCH.
   2. THE MC SHALL DETERMINE THE "ACTIVE LENGTH" OF THE LD NECESSARY ONCE THE EXISTING AIRFLOW HAS BEEN DOCUMENTED. THE ACTIVE LENGTH, AND THEREFORE THE PLENUM LENGTH, SHALL BE BASED ON 60 CFM/LF.
   3. THE MC SHALL DETERMINE NUMBER AND SPACING OF BRANCH DUCTS TO THE PLENUM PER THE LD DETAIL ON THE MS SERIES DWGS.

(3) PITCH COOLING COIL CONDENSATE (PC) 1/4" PER FOOT IN DIRECTION OF FLOW. SIZE AS FOLLOWS: 3/4" UP TO 2 TONS, 1" UP TO 5 TONS, 1-1/4" UP TO 30 TONS. WHERE PITCH IS LESS THAN ABOVE, INCREASE THE ABOVE VALUES ONE PIPE SIZE. INSULATE PIPING CONSISTENT WITH PIPING CONVEYING FLUIDS THAT ARE BELOW AMBIENT TEMPERATURE. PROVIDE WITH A CONTINUOUS VAPOR BARRIER. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

(4) RUN THE COOLING COIL CONDENSATE (PC) , EXPOSED, DOWN TO APPROX. 6" AFG AND RUN TO ATMOSPHERE. EXTEND A MIN. OF 2" BEYOND THE FACE OF THE WALL TO SPILL TO GRADE.

(5) THE MECHANICAL CONTRACTOR SHALL SIZE ALL REFRIGERANT (I.E. SUCTION, LIQUID, HOT-GAS, ETC...) LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. INSULATE ALL PIPING. REFER TO SPECS FOR ADDITIONAL INFO.

(6) AIR-COOLED CONDENSING UNIT SHALL BE MOUNTED ON A 124" HIGH GALV. STRUCTURAL MANUFACTURED STEEL STAND. STAND LENGTH AND WIDTH TO MATCH UNIT FOOTPRINT. COORDINATE WITH UNIT MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. LOCATION IS APPROXIMATE.

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed:	PMS
Drawn:	PMS
Reviewed:	SP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

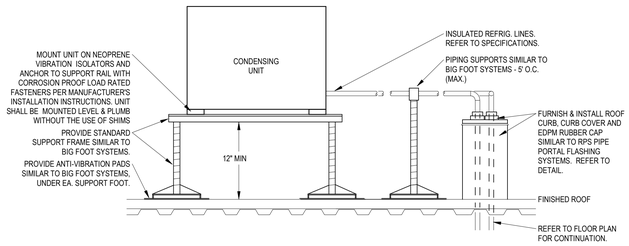
Title:
OVERALL FIRST FLOOR AND PARTIAL SECOND FLOOR MECHANICAL PLANS

Sheet No.
M101.1

TRUE NORTH

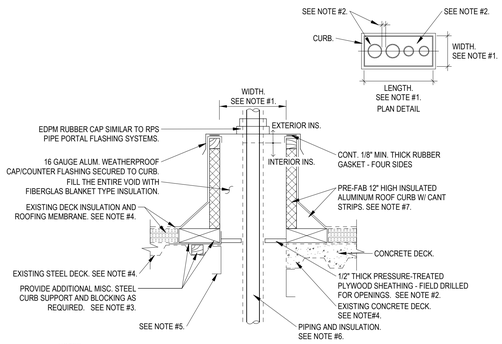
2/13/2025 6:44:43 PM C:\Users\pmscofield\Documents\2400014_Flanagan Commons_MEP_R24_Central_pmscofield4GXCV.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



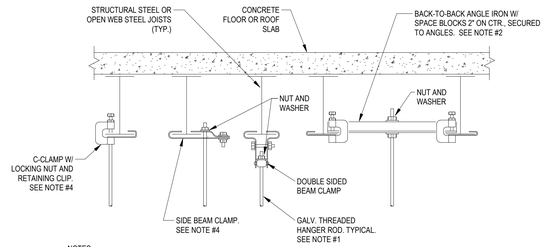
NOTES:
1. CONTRACTOR SHALL PROVIDE MANUFACTURER DESIGNED EQUIPMENT SUPPORT SYSTEM FOR SUBMITTAL REVIEW.
2. FURNISH & INSTALL REFRIGERANT PIPING FROM CONDENSING UNIT TO INDOOR FAN COILS. NOTE THAT CONTRACTOR SHALL PRESSURE TEST THE REFRIGERANT PIPING WITH NITROGEN AT A PRESSURE & TIME RECOMMENDED BY MANUFACTURER & INDUSTRY PRACTICE TO ASSURE ALL PIPING IS FREE OF LEAKS.

7 CONDENSING UNIT ARRANGEMENT - ROOF
NOT TO SCALE



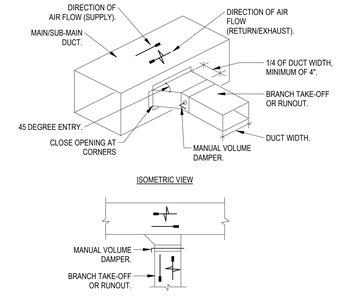
NOTES:
1. INSIDE CLEAR DIMENSIONS OF THE CURB SHALL BE AS FOLLOWS:
   - WIDTH: SHALL BE EQUAL TO THE O.D. OF THE LARGEST PIPE, INCLUDING INSULATION, PLUS 4" OF CLEARANCE MINIMUM.
   - LENGTH: SHALL BE EQUAL TO THE OVERALL WIDTH OF THE PIPING RACK AND ITS INSULATION, PLUS 4".
2. SHEATHING SHALL BE THE SAME DIMENSIONS AS THE CURB INSIDE CLEAR DIMENSIONS, AS INDICATED ABOVE. PIPE PENETRATIONS IN THE SHEATHING SHALL BE A MAX. OF 1/4" LARGER THAN THE O.D. OF THE PIPE AND ITS INSULATION. PROVIDE A MIN. OF 2" IN BETWEEN THE PIPE PENETRATIONS IN THE SHEATHING.
3. PROVIDE ANY PRESSURE-TREATED BLOCKING NECESSARY, UNDER THE CURB, TO RAISE THE CURB TO ACCOMMODATE THE THICKNESS OF THE ROOF INSULATION. SECURE BLOCKING TO THE ROOF STRUCTURE WITH LOAD RATED, RUSTPROOF FASTENERS. COORDINATE ALL NECESSARY COMPONENTS WITH THE WORK BY OTHER TRADES.
4. EXISTING ROOFING TO REMAIN. ALL NEW ROOFING COMPONENTS SHALL BE INSTALLED TO MAINTAIN WEATHERPROOF INTEGRITY AND ROOFING WARRANTY IN ACCORDANCE WITH THE EXISTING ROOFING MANUFACTURER'S INSTRUCTIONS.
5. ROOF OPENING SHALL BE 2" SMALLER THAN THE INSIDE CURB DIMENSION IN BOTH DIRECTIONS.
6. EXTERIOR PIPE INSULATION AND JACKET SHALL EXTEND INTO THE PIPING ENCLOSURE. SEAL THE BUTT JOINT BETWEEN THE INTERIOR AND EXTERIOR INSULATION, AS REQUIRED, BASED ON PIPE SERVICE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. WHEN THE ENCLOSURE IS TO BE INSTALLED ON A PITCHED ROOF, COORDINATE WITH THE CURB MANUFACTURER TO PROVIDE A PITCHED CURB TO MATCH THE PITCH OF THE ROOF. THE ENCLOSURE SHALL BE INSTALLED LEVEL AND PLUMB.

8 ROOFTOP WEATHERPROOF PIPING PENTRATION
NOT TO SCALE



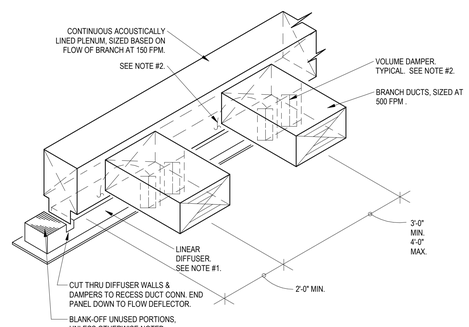
NOTES:
1. FOR CEILING SUSPENDED EQUIPMENT PROVIDE MIN. 3/8" DIA. HANGER ROD (REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS).
2. FOR PIPES UNDER 2" USE A SINGLE 1-1/2"x1-1/2"x1/4" ANGLE IRON WITH C-CLAMP. FOR PIPES 2-1/2" AND LARGER USE 3"x3"x1/4" ANGLE IRON BACK TO BACK AS SHOWN.
3. REPAIR OF FIREPROOFING IN ORDER TO FACILITATE THE INSTALLATION OF HANGER RODS IN EXISTING CONSTRUCTION SHALL BE BY THE G.C.
4. USE OF C-CLAMPS AND SIDE BEAM CLAMPS IS LIMITED TO PIPING 2-1/2" AND UNDER.

4 TYPICAL METHOD OF SECURING HANGER RODS TO STRUCTURAL STEEL
NOT TO SCALE



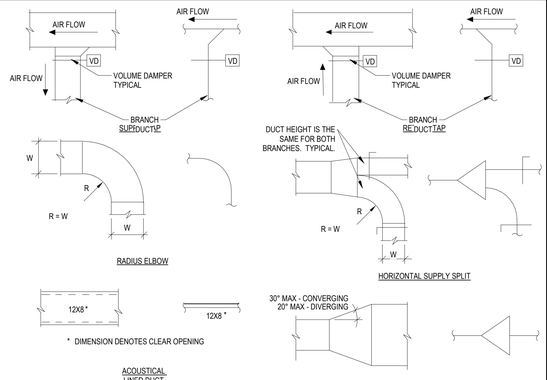
NOTE:
ALL INSULATED SUPPLY AND RETURN DUCTWORK SHALL BE FURNISHED AND INSTALLED WITH STAND-OFF MOUNTING BRACKETS FOR VOLUME/BALANCING DAMPER OPERATORS. ALLOW CLEARANCE BETWEEN DUCT AND OPERATOR OF NOT LESS THAN INSULATION THICKNESS.

5 DUCT TAKE OFF
NOT TO SCALE



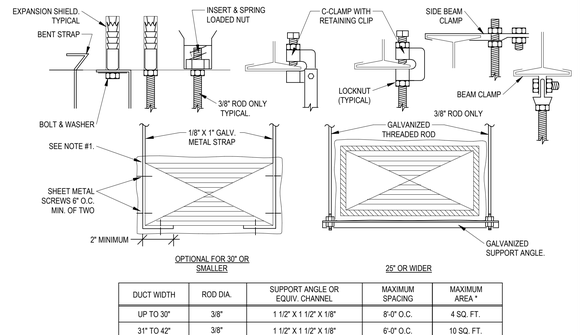
NOTES:
1. WHERE THE DIFFUSER IS REQUIRED TO BE CURVED, THE MECH. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS TO DETERMINE THE RADIUS DIMENSIONS AND COORDINATE THE REQUIREMENTS WITH THE UNIT MANUFACTURER. THE DIFFUSER SHALL BE CONTINUOUS AND ALL SECTIONS SHALL BE FURNISHED AND INSTALLED TO PROVIDE A SEAMLESS APPEARANCE.
2. WHERE THE BRANCH DUCTS ARE LOCATED ABOVE AN INACCESSIBLE CEILING, PROVIDE CABLE OPERATED VOLUME DAMPERS (COD) AND LOCATE THE DAMPER OPERATORS BEHIND THE FACE OF THE DIFFUSER. THE DAMPER OPERATORS CAN BE LOCATED IN THE CEILING OR OTHER NEARBY BUILDING SURFACES. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR RESTRICTIONS ON THE OPERATOR LOCATIONS. THE MECH. CONTRACTOR SHALL COORDINATE OPERATOR LOCATIONS WITH THE GC.

6 LINEAR DIFFUSER INSTALLATION
NOT TO SCALE



NOTES:
1. SPECIFICATIONS EXCEED SMACNA STANDARDS IN SOME INSTANCES.
2. SMACNA SHALL BE CONSIDERED THE MINIMUM STANDARD UNLESS OTHERWISE INDICATED.

1 RECTANGULAR DUCT CONSTRUCTION
NOT TO SCALE

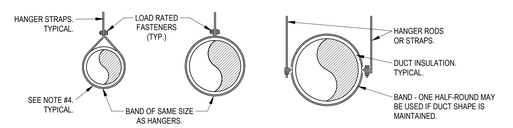


DUCT WIDTH	ROD DIA.	SUPPORT ANGLE OR EQUIV. CHANNEL	MAXIMUM SPACING	MAXIMUM AREA *
UP TO 30"	3/8"	1 1/2" X 1 1/2" X 1/8"	8'-0" O.C.	4 SQ. FT.
31" TO 42"	3/8"	1 1/2" X 1 1/2" X 1/8"	6'-0" O.C.	10 SQ. FT.
43" TO 60"	1/2"	1 1/2" X 1 1/2" X 1/8"	6'-0" O.C.	10 SQ. FT.
61" TO 84"	1/2"	2" X 2" X 1/4"	4'-0" O.C.	-------
85" AND UP	1/2"	2" X 2" X 1/4"	4'-0" O.C.	-------

* REDUCE SPACING TO NEXT SMALLER INTERVAL IF DUCT AREA EXCEEDS MAXIMUM.

NOTES:
1. HANGERS MUST NOT DEFORM DUCT SHAPE.
2. STRAPS AND RODS SHALL BE GALV. STEEL.
3. WHERE HANGERS ARE INSTALLED UNDER THE INSULATION AND PENETRATE THROUGH THE INSULATION, SEAL ALL PENETRATIONS WITH APPROVED SEALING MASTIC. BUILD-UP MASTIC AT BASE (PENETRATION) AND EXTEND AND TAPER BEYOND PENETRATION TO A MIN. OF 6".

2 RECTANGULAR DUCT SUPPORT
NOT TO SCALE



DUCT DIA.	ROD DIA.	STRAP	MAXIMUM SPACING
UP TO 10"	1/4"	1" x 22 GA.	12'-0" O.C.
11" - 18"	1/4"	1" x 22 GA.	12'-0" O.C.
19" - 24"	1/4"	1" x 22 GA.	12'-0" O.C.
25" - 36"	3/8"	1" x 20 GA.	12'-0" O.C.
37" - 50"	(2) 3/8"	(2) 1" x 20 GA.	12'-0" O.C.
51" - 60"	(2) 3/8"	(2) 1" x 18 GA.	12'-0" O.C.
61" - 84"	(2) 3/8"	(2) 1" x 16 GA.	12'-0" O.C.

NOTES:
1. HANGERS MUST NOT DEFORM DUCT SHAPE.
2. STRAPS AND RODS SHALL BE GALV. STEEL. REFER TO "RECTANGULAR DUCT SUPPORT DETAIL" FOR ATTACHING DUCTWORK TO THE BUILDING STRUCTURE.
3. WHERE HANGERS ARE INSTALLED UNDER THE INSULATION AND PENETRATE THROUGH THE INSULATION, SEAL ALL PENETRATIONS WITH APPROVED SEALING MASTIC. BUILD-UP MASTIC ON THE HANGER AT BASE (PENETRATION) AND EXTEND AND TAPER UP THE HANGER TO A MIN. OF 6".

3 ROUND DUCT SUPPORT
NOT TO SCALE

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed: PMS
Drawn: PMS
Reviewed: SP
Project No.: 2400014
Date: 02/14/2025
Issued for: BID

Title: MECHANICAL DETAILS

Sheet No. M501

2/13/2025 6:44:44 PM C:\Users\pmscofield\Documents\2400014_Flanagan Commons_MEP_R24_Central_pmscofield4GXCV.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

INDOOR AIR-CONDITIONING UNITS

MARK	ASSOCIATED UNIT	MANUFACTURER	MODEL	AREA SERVED	ARRANGEMENT	REFRIG. TYPE	AIRFLOW (CFM @ HIGH)	DESIGN COOLING OUTDOOR TEMP. (DB °F)	COOLING CAPACITY (BTUH)	COOLING EFFICIENCY (EER2 / SEER2)	DESIGN HEATING OUTDOOR TEMP. (DB °F)	HEATING CAPACITY (BTUH)	HEATING EFFICIENCY (COP)	ELEC DATA				WEIGHT (LBS)	REMARKS
														VOLTS	PHASE	MCA	MOP		
AC-1	CU-1	MITSUBISHI ELEC TRANE HVAC US	PKA-AK24NL	AV CL. 103	WALL SURFACE	R454B	775	95	24000	12.2 / 21.3	-	-	-	208	1	0.00	0	50	ALL

REMARKS:
1. INSTALL IN ACCORDANCE WITH MANUF. INSTALLATION INSTRUCTIONS.
2. INSTALL ALL SHIPPED LOOSE ITEMS IN ACCORDANCE WITH MANUF. INSTALLATION INSTRUCTIONS.
3. NAMEPLATE SHALL INCLUDE UNIT DESIGNATION AND AREA SERVED BY THE UNIT.
4. MOTORS SHALL MEET THE MOTOR EFFICIENCY REQUIREMENTS SET FORTH IN ANSI/ASHRAE/IES STANDARD 90.1
5. COORDINATE SERVICE ACCESS PER MFG'S REQUIRED CLEARANCES.
6. THE TOTAL RUNS OF REFRIGERANT PIPING WILL BE BASED ON MANUFACTURERS APPLICATION DATA AND SHALL NOT COMPROMISE WARRANTY PERIOD. PROVIDE REFRIGERANT SIDE ACCESSORIES AS RECOMMENDED BY THE MANUFACTURER. INSULATE REFRIG. LINES, RL & RS, IN ACCORDANCE WITH UNIT MANUF. INSTALLATION INSTRUCTIONS. INSTALLING CONTRACTOR MUST VERIFY ACTUAL PIPING LENGTHS AND UPDATE SELECTION FILE AS NECESSARY TO CHECK FOR ERRORS AND CALCULATE CORRECT ADDITIONAL REFRIGERANT CHARGE.
7. PROVIDE AN INTELLIGENT COMMUNICATIONS AND MONITORING CONTROL SYSTEM INDEPENDENT OF THE MAIN BUILDING BMS THAT INCORPORATES THE FOLLOWING; 7-DAY PROGRAMMABLE CONTROLLER WITH AUTO CHANGEOVER, LEAD/LAG FUNCTION, UNIT TO UNIT COMMUNICATION, A WALL MOUNTED GRAPHICAL DISPLAY CONTROL PANEL AND A BACNET INTERFACE TO THE CENTRAL BMS SYSTEM. ATC CONTRACTOR SHALL COORDINATE ALL MANUFACTURER AVAILBLE OPERATIONS FOR UNIT STATUS, START/STOP AND ALARMS TO INTEGRATE INTO THE CENTRAL BMS.
8. INDOOR UNITS (ACs) ARE POWERED FROM THEIR RESPECTIVE OUTDOOR UNITS (CUs). PROVIDE ALL WIRING, LINE & LOW VOLTAGE BETWEEN UNITS AS REQUIRED PER MANUF. INSTALLATION INSTRUCTIONS.
9. PROVIDE WITH MATCHING MINI CONDENSATE PUMP AND DRAIN PAN LEVEL SENSOR.

OUTDOOR AIR-COOLED CONDENSING UNITS

MARK	ASSOCIATED UNIT	MANUFACTURER	MODEL	REFRIG. TYPE	DESIGN COOLING OUTDOOR TEMP. (DB °F)	COOLING CAPACITY (BTUH)	COOLING EFFICIENCY (EER2 / SEER)	DESIGN HEATING OUTDOOR TEMP. (DB °F)	HEATING CAPACITY (BTUH)	HEATING EFFICIENCY (COP)	ELEC DATA				WEIGHT (LBS)	REMARKS
											VOLTS	PHASE	MCA	MOP		
CU-1	AC-1	MITSUBISHI ELEC TRANE HVAC US	RUY-A24NL	R454B	95	24000	13.2 / 17	-	-	-	208	1	22.0	37	155	ALL

REMARKS:
1. INSTALL IN ACCORDANCE WITH MANUF. INSTALLATION INSTRUCTIONS.
2. INSTALL ALL SHIPPED LOOSE ITEMS IN ACCORDANCE WITH MANUF. INSTALLATION INSTRUCTIONS.
3. NAMEPLATE SHALL INCLUDE UNIT DESIGNATION AND AREA SERVED BY THE UNIT.
4. MOTORS SHALL MEET THE MOTOR EFFICIENCY REQUIREMENTS SET FORTH IN ANSI/ASHRAE/IES STANDARD 90.1
5. COORDINATE SERVICE ACCESS PER MFG'S REQUIRED CLEARANCES.
6. UNIT PROVIDES POWER TO ITS PERSPECTIVE INDOOR UNIT(S). PROVIDE ALL INTERCONNECTING REFRIG. PIPING AND LOW/LINE VOLTAGE WIRING PER MANUFACTURERS INSTALLATION INSTRUCTIONS. COORDINATE WITH DIV 26.
7. PROVIDE WITH WIND BAFFLE AND EQUIPMENT STAND.
7. BACNET INTEGRATION FOR REMOTE, FULL MONITORING AND CONTROL. PROVIDE MEANS TO INTERFACE WITH THE OWNER'S EXISTING CENTRAL BMS, INCLUDING BUT NOT LIMITED TO: HARDWARE, SOFTWARE, WIRING, ETC...
8. EQUIPMENT SELECTIONS BASED ON PRODUCTS BY DAIKIN, EQUAL PRODUCTS SUBJECT TO COMPLIANCE WITH ALL CRITERIA.

AIR DEVICES

MARK	MANUFACTURER	MODEL	SERVICE	MATERIAL	MOUNTING TYPE	MAX NC LEVEL	COLOR	SIZE		DAMPER	REMARKS
								FACE	NECK		
A	TITUS	ML-39	SUPPLY	ALUMINUM	SURFACE - TYPE 9A	25	WHITE	(2) 1" SLOTS	-	-	2,3
B	TITUS	350FL	RETURN	ALUMINUM	LAY IN / PANEL	30	WHITE	-	SEE TAG	OBD	1,3

REMARKS:
1. TYPE #3, PANEL MOUNTED. (GRID MOUNTING).
2. PROVIDE THE FOLLOWING: END BORDERS, HANGER BRACKETS, & SPLINES FOR ALIGNMENT IF LINEARS REQUIRE MULTIPLE SECTIONS.
3. SELECTIONS SCHEDULED ARE BASIS OF DESIGN. APPROVED EQUAL PRODUCTS BY METALAIRE OR PRICE, PROVIDED THEY MEET OR EXCEED THE BASIS OF DESIGN PERFORMANCE AND SPECIFICATIONS.

SEQUENCE OF OPERATIONS:
1. SPLIT SYSTEMS AIR CONDITIONERS: (AC/CU) (CLG ONLY)
   A. GENERAL:
      1. PROVIDE FACTORY PACKAGED AUTOMATIC TEMPERATURE CONTROLS (ATC) SYSTEM WITH FULL INTEGRATION WITH THE OWNERS ATC/BMS WITH FORWARD AND BACKWARD COMMUNICATIONS FOR UNIT MONITORING AND START/STOP AT THE ATC/BMS OPERATOR'S WORKSTATION. SEE SCHEDULE FOR ADDITIONAL INFO.
      2. THE AC/CU SHALL BE OPERATED THROUGH ITS RESPECTIVE REMOTE PROGRAMMABLE CONTROLLER. THE CONTROLLER SHALL BE CAPABLE OF SCHEDULING OPERATION WITH 2-HOUR OCCUPANT OVERRIDE, AND 10-HOUR BACKUP. THE CONTROLLER SHALL BE LOCATED AS DIRECTED BY THE CLIENT'S REPRESENTATIVE.
      3. THE AC/CU SHALL OPERATE IN SEQUENCE PROVIDING ALL SYSTEM SAFETIES ARE SATISFIED.
      4. THE AC/CU SHALL OPERATE IN A SINGLE ZONE CV MODE OF OPERATION.
      5. ALL SETPOINTS SHALL BE ADJUSTABLE.
      6. EMERGENCY SHUTDOWN: THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL.
      7. SMOKE DETECTION: THE UNIT SHALL SHUT DOWN AND GENERATE AN ALARM UPON RECEIVING A SMOKE DETECTOR STATUS FOR SYSTEMS 2000 CFM OR GREATER.
   B. SPACE TEMPERATURE SETPOINTS:
      1. 75°F DB @ 50% RH (SUM.), 75°F (WIN.).
   C. COOLING MODE:
      1. WHEN THE AC/CU IS INDEXED RUN, THE SUPPLY FAN SHALL BE ENABLED AND RUN CONTINUOUSLY
      2. THE CONTROLLER SHALL MEASURE THE ZONE TEMPERATURE AND CYCLE THE COMPRESSOR TO MAINTAIN ITS SETPOINT. TO PREVENT SHORT CYCLING, THE STAGE SHALL HAVE A USER DEFINABLE (ADJ.) MINIMUM RUNTIME. THE COMPRESSOR SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS.
      3. THE COOLING SHALL BE ENABLED WHENEVER:
         a. OUTSIDE AIR TEMPERATURE IS ≥ 60°F (ADJ.).
         b. AND THE SPACE TEMPERATURE IS ABOVE COOLING SETPOINT.
         c. AND THE FAN STATUS IS ON.
   D. ALARMS:
      1. SPACE:
         a. HIGH ZONE TEMP: IF THE ZONE TEMPERATURE IS GREATER THAN THE COOLING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).
         b. LOW ZONE TEMP: IF THE ZONE TEMPERATURE IS LESS THAN THE HEATING SETPOINT BY A USER DEFINABLE AMOUNT (ADJ.).
      2. FAN STATUS: THE CONTROLLER SHALL MONITOR THE FAN STATUS.
         a. ALARMS SHALL BE PROVIDED AS FOLLOWS:
            1. FAN FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
            2. FAN IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
            3. FAN RUNTIME EXCEEDED: FAN STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT (ADJ.).
      3. SPACE HUMIDITY: THE CONTROLLER SHALL MONITOR THE SPACE HUMIDITY.
         a. ALARMS SHALL BE PROVIDED AS FOLLOWS:
            1. HIGH ZONE HUMIDITY: IF THE ZONE HUMIDITY IS GREATER THAN 70% (ADJ.).
            2. LOW ZONE HUMIDITY: IF THE ZONE HUMIDITY IS LESS THAN 35% (ADJ.).

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed:	PMS
Drawn:	PMS
Reviewed:	SP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
MECHANICAL SCHEDULES

Sheet No.
M601

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

2/13/2025 6:44:44 PM C:\Users\pmscofield\Documents\2400014_Flanagan Commons_MEP_R24_Central_pmscofield4GXCV.rvt

POWER SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
⊖	DUPLEX RECEPTACLE. (18" A.F.F. UNLESS NOTED OTHERWISE).	⊛	SPECIAL RECEPTACLE. L6-30R. COORDINATE FINAL LOCATION WITH AV/ IT EQUIPMENT
⊕	QUAD RECEPTACLE. (18" A.F.F. UNLESS NOTED OTHERWISE).		SURFACE RACEWAY.
$\ominus_{GFI}$	DUPLEX RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT INTERRUPTER. (18" A.F.F. UNLESS NOTED OTHERWISE).		POWER POLE
$\ominus_{USB}$	DUPLEX RECEPTACLE. (CONTAINS (2) USB PORTS).	J J	JUNCTION BOX
$\ominus_{MW}$	SIMPLEX RECEPTACLE MOUNTED ABOVE COUNTER. (MICROWAVE REFER TO ARCHITECTURAL DRAWINGS FOR COUNTER HEIGHT).		SURFACE MOUNTED PANELBOARD
$\ominus_{VM}$	SIMPLEX RECEPTACLE. (VENDING MACHINE GFI RECEPTACLE, MOUNT AT 42" UNLESS NOTED OTHERWISE, COORDINATE EXACT RECEPTACLE CONFIGURATION WITH SUPPLIED VENDING EQUIPMENT).		RECESSED MOUNTED PANELBOARD
			CONTROLLED BRANCH CIRCUIT WIRING.
$\ominus_{WC}$	DUPLEX RECEPTACLE. (WATER COOLER GFI RECEPTACLE COORDINATE LOCATION WITH BOTTLE FILLER. GFCI BREAKER TO BE USED IF REFRIGERATED TYPE FOUNTAIN IS INSTALLED).		BRANCH CIRCUIT WIRING.
$\ominus_{TV}$	DUPLEX RECEPTACLE. (TV REFER TO ARCHITECTURAL DRAWINGS FOR TV HEIGHT).		HOME RUN.
S_T	THERMAL OVERLOAD SWITCH FOR FAN DISCONNECT		

NOTE:
NOT ALL SYMBOLS MAY APPEAR ON THE DRAWINGS.

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	RECESSED 2X2 LED LIGHT FIXTURE	E	UL 924 EMERGENCY LIGHTING RELAY
	RECESSED LINEAR LED LIGHT FIXTURE	LCP	LIGHTING CONTROL PANEL
	SUSPENDED LINEAR LED LIGHT FIXTURE	S	SINGLE POLE TOGGLE SWITCH. (48" A.F.F. UNLESS NOTED OTHERWISE)
	RECESSED LED DOWN LIGHT FIXTURE	S_{OC}	OCCUPANCY SWITCH, SENSOR SWITCH WSD SERIES. (48" A.F.F. UNLESS NOTED OTHERWISE).
		S_{LV}	LOW VOLTAGE SWITCH. SEE LIGHTING CONTROL DETAIL (48" A.F.F. UNLESS NOTED OTHERWISE).
		S_K	SINGLE POLE KEY SWITCH. (48" A.F.F. UNLESS NOTED OTHERWISE).
		OC	CEILING MOUNT OCCUPANCY SENSOR
		PP	LOW VOLTAGE POWER PACK
		PP EM	LOW VOLTAGE POWER PACK WITH EMERGENCY BYPASS RELAY
		BD	FIRE ALARM BEAM DETECTOR

NOTE:
NOT ALL SYMBOLS MAY APPEAR ON THE DRAWINGS.

ELECTRICAL GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH AND SHALL CONFORM IN ALL ASPECTS TO THE NATIONAL ELECTRICAL CODE (NFPA CODES & LOCAL BUILDING CODES).
2. ALL PERMITS, LICENSES AND CERTIFICATES COVERING THE COMPLETE INSTALLATION OF THE ELECTRICAL WORK SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.
3. THESE DRAWINGS ARE DIAGRAMMATIC ONLY; EXACT LOCATIONS OF ALL CONDUIT, ETC. MUST BE FIELD DETERMINED AND RUN TO AVOID OBSTRUCTIONS AND MECHANICAL EQUIPMENT.
4. SITE VISITATION.- PRIOR TO SUBMITTING A BID FOR HIS WORK, THE CONTRACTOR SHALL VISIT THE SITE TO INSPECT THE NATURE AND EXTENT OF THE EXISTING CONDITIONS AND EQUIPMENT, AND DETERMINE HOW THEY WILL AFFECT THE INSTALLATION OF ELECTRICAL WORK. NO ADDITIONAL PAYMENT IN EXCESS OF THE CONTRACT PRICE WILL BE AUTHORIZED FOR "EXTRA" WORK PERFORMED DUE TO EXISTING CONDITIONS WHICH ARE OBVIOUS UPON INSPECTION.
5. WORKMANSHIP- ONLY THE BEST IN WORKMANSHIP IN ACCORDANCE WITH PRESENT STANDARDS WILL BE ACCEPTABLE. ANY WORK INSTALLED AND ADJUDGED BY THE ENGINEER TO BE BELOW STANDARDS SHALL BE TAKEN OUT AND REPLACED WITH PROPERLY DONE WORK AT CONTRACTOR'S EXPENSE.
6. SUBSTITUTIONS OF EQUIPMENT: SPECIFIED PRODUCTS SHALL BE USED AS THE BASIS OF BID AND SHALL BE PROVIDED; WHERE 2 OR MORE MANUFACTURERS ARE LISTED, THE CHOICE IS AT THE CONTRACTOR'S OPTION. AN APPROVED EQUAL SHALL BE DETERMINED BY ENGINEER.
7. AT THE COMPLETION OF THE JOB, IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO TURN OVER TO THE BUILDING MANAGER AN AS-BUILT-DRAWING IN REPRODUCIBLE FORM. THIS DRAWING DOES NOT HAVE TO BE MADE FROM SCRATCH; THE CONTRACT REFLECTED CEILING AND POWER PLANS MAY BE USED AS BACKGROUNDS WITH THE ACTUAL CIRCUITING CHANGES ADDED. CONTRACTOR SHALL PROVIDE HARD COPY AND ELECTRONIC COPY ON (2) SEPARATE USB DRIVES.
8. WORK NOT INCLUDED IN CONTRACT ("N.I.C."); ANY WIRING OR EQUIPMENT NOT TO BE FURNISHED BY CONTRACTOR SHALL BE INDICATED ON PLANS AS N.I.C.
9. GUARANTEE: CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND WIRING TO BE FREE FROM INHERENT MECHANICAL AND ELECTRICAL DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION OF PROJECT. ALL DEFECTS SHALL BE REPAIRED, DURING THIS PERIOD, AT NO CHARGE TO OWNER (MISUSE OR ABUSE CAUSED PROBLEMS EXCEPTED).
10. PRIOR TO THE CONTRACTOR BEING RELEASED FROM ALL OBLIGATIONS, HE WILL OBTAIN AND TURN OVER TO THE BUILDING MANAGER THE ORIGINAL COPY OF THE "CERTIFICATE OF ELECTRICAL INSPECTION".
11. CONTRACTOR MUST PRODUCE A LETTER ATTESTING THAT WORK HAS BEEN COMPLETED TO THE SATISFACTION OF THE BUILDING MANAGER WHO WILL CONFIRM HIS ACCEPTANCE BY AFFIXING HIS SIGNATURE TO THE LETTER IN A SPACE PROVIDED FOR THIS PURPOSE. WORK WILL NOT BE CONSIDERED AS BEING COMPLETE WITHOUT THIS LETTER.
12. ALL CORE-BORING, BACKFILLING AND RESURFACING REQUIRED FOR THE ELECTRICAL WORK SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
13. ALL CUTTING PATCHING AND REFINISHING OF WALLS, FLOORS & CEILINGS REQUIRED FOR THE ELECTRICAL WORK SHALL BE PROVIDED FOR BY THE ELECTRICAL CONTRACTOR.
14. CONTRACTOR SHALL SEAL ALL ELECTRICAL PENETRATIONS THRU FIRE RATED PARTITIONS WITH FIRE RATED MATERIAL EQUAL TO DOW CORNING SILICONE RTV FOAM AS A MINIMUM. MATERIAL SELECTION SHALL BE BASED ON RATING OF PARTITION PENETRATED.
15. ALL WIRING SHALL BE WITH COPPER CONDUCTORS UNLESS OTHERWISE NOTED.
16. PROVIDE INSULATED GROUNDING CONDUCTOR IN ALL CONDUITS AND CABLE ASSEMBLIES..
17. UNLESS OTHERWISE NOTED, MINIMUM WIRE SIZE SHALL BE #12 AWG, THWN OR THHN; MINIMUM CONDUIT SIZE SHALL BE 3/4"C. UNLESS OTHERWISE SPECIFIED 20A, 120/208V AND 277/480V BRANCH CIRCUIT WIRING SHALL BE 3#12, #12G.
18. ALL WIRING SHALL BE CONCEALED AND RUN IN WALLS OR ABOVE CEILINGS. WIRE MOLDING AND EXPOSED CONDUIT IS NOT PERMITTED.
19. STEEL JACKETED METAL CLAD CABLE, "MC CABLE" IS ACCEPTABLE ON THIS PROJECT AND MAY BE USED AS APPROVED BY NEC, WHERE RUN CONCEALED IN WALLS, ABOVE CEILINGS, OR IN BASEMENTS.
20. ALL 15A/20A, 120V HOMERUNS GREATER THAN 75' SHALL BE #10AWG MINIMUM; GREATER THAN 120' SHALL BE # 8AWG MINIMUM. ALL 15A/20A 277V HOMERUNS GREATER THAN 175' SHALL BE #10AWG MINIMUM; GREATER THAN 280' SHALL BE #8AWG MINIMUM. ALL 15/20A, 480V, SINGLE PHASE HOMERUNS GREATER THAN 300' SHALL BE #10AWG MINIMUM; GREATER THAN 450' SHALL BE #8AWG MINIMUM. EC SHALL PERFORM VOLTAGE DROP CALCULATIONS FOR BRANCH CIRCUITS LONGER THAN SPECIFIED ABOVE AS PER NEC.
21. ALL WIRE IN CEILING MUST BE PLENUM RATED.
22. NO TELEPHONE WIRE SHALL BE RUN EXPOSED ON BASEBOARDS OR WALLS.
23. WIRING FOR LOW VOLTAGE SYSTEMS SHALL BE RUN CONCEALED WITHIN WALLS AND ABOVE CEILINGS.
24. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF EQUIPMENT AND DEVICES WITH ARCHITECT.
25. ALL EQUIPMENT AND DEVICES SHALL BE NEW & BEAR U.L. LABEL. ALL DEVICES SHALL BE "SPECIFICATION" GRADE.
26. CONTRACTOR SHALL FIELD VERIFY NAMEPLATE LOADS OF ALL EQUIPMENT (MECHANICAL AND OWNER SUPPLIED) TO INSURE PROPER WIRE SIZING AND OVERCURRENT PROTECTION AND SHALL NOTIFY ENGINEER OF DISCREPANCIES.
27. THE ELECTRICAL CONTRACTOR SHALL INSURE FINAL COORDINATION OF THE MANUFACTURERS RECOMMENDED FUSE SIZES FOR THE INSTALLED MECHANICAL EQUIPMENT WITH THE SIZE DISCONNECT PRIOR TO OR DURING ROUGH-IN. ADVISE ENGINEER IF CHANGES IN THE FINAL SELECTION OF MECHANICAL EQUIPMENT HAS IMPACTED DISCONNECT SWITCH, BREAKER OF CONDUCTOR SIZES.
28. ALL SUPPLEMENTARY STEEL REQUIRED FOR ELECTRICAL WORK SHALL BE PROVIDED BY THE CONTRACTOR.
29. ELECTRICAL CONTRACTOR TO COORDINATE EXACT PLACEMENT OF ALL DEVICES SHOWN ON THE ELECTRICAL CONSTRUCTION DOCUMENTS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS PRIOR TO FINAL PLACEMENT.
30. THE ELECTRICAL CONTRACTOR SHALL, PRIOR TO ROUGH-IN, VERIFY ALL HVAC AMPERAGES, PHASES AND VOLTAGES AGAINST PLAN REQUIREMENTS AND NOTIFY ENGINEER/ARCHITECT OF ANY DISCREPANCIES. FAILURE TO VERIFY AND NOTIFY ENGINEER/ARCHITECT PRIOR TO ROUGH-IN SHALL RESULT IN THE ELECTRICAL CONTRACTOR ASSUMING RESPONSIBILITY FOR DESIGN AND INSTALLATION REQUIREMENTS.
31. ALL ELECTRICAL EQUIPMENT AND DISTRIBUTION SYSTEMS SHALL BE PROVIDED WITH SEISMIC RESTRAINTS FOR THE SEISMIC DESIGN CATEGORY IN WHICH THE BUILDING IS LOCATED (SEE STRUCTURAL DRAWINGS) AND IMPORTANCE FACTOR (SEE SPECIFICATIONS) IN ACCORDANCE WITH ADOPTED CODES. DESIGN OF SYSTEM AND ALL SUBMITTAL DATA TO INCLUDE SEISMIC CALCULATIONS CERTIFIED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF PROJECT LOCATION AND EMPLOYED BY THE SEISMIC RESTRAINT MANUFACTURER. SHOP DRAWINGS OF APPROVAL. SEISMIC RESTRAINTS SHALL BE APPROVAL. SEISMIC RESTRAINTS SHALL BE BY MASON INDUSTRIES INC. OR AN APPROVED EQUAL. INSPECTION OF ALL SEISMIC RESTRAINTS SHALL BE COMPLETED AND ACCOMPANYING CERTIFICATION OF INSTALLATION SHALL BE PROVIDED BY MANUFACTURER'S APPROVED REPRESENTATIVE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
32. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES AND ANY OTHER EQUIPMENT INSTALLED TO THE CEILING SYSTEM. VERIFY EXACT MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ROUGH-IN.
33. CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL WORK ABOVE THE CEILING TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF PLUMBING AND MECHANICAL INSTALLATION. CONDUIT RUNS TO BE THROUGH OR ABOVE TRUSSES WHERE POSSIBLE.
34. HANGING OF LIGHT FIXTURES IS TO BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL BUILDING CODES AND SEISMIC REQUIREMENTS.
35. EXIT SIGN LOCATIONS AND QUANTITIES ARE BASED ON CODE MINIMUM. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND QUANTITIES OF ALL EXIT SIGNS WITH EXISTING CONDITIONS AND AHJ REQUIREMENTS. E.C. TO PROVIDE ADDITIONAL EXIT SIGNS/EGRESS LIGHTING AS REQUIRED BY AHJ.
36. WHERE CONFLICT EXISTS BETWEEN DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST RESTRICTIVE, THE MOST EXPENSIVE REQUIREMENT SHALL APPLY.
37. CONTRACTOR SHALL FURNISH AND INSTALL INFRASTRUCTURE FOR ALL TELECOM EQUIPMENT AND TELECOM DEVICES. REFER TO TELECOMMUNICATIONS AND SECURITY DRAWINGS FOR REQUIREMENTS. REFER TO DETAIL DRAWINGS TEL/COM CONDUIT/JUNCTION BOX DETAIL FOR OFFICE BLOCK RECESSED TEL/COM DEVICE CONDUIT/J-BOX INSTALLATION.
38. ELECTRICAL COMPONENTS AND THEIR SUPPORTS SHALL BE INSTALLED IN ACCORDANCE WITH ASCE 7 SECTION 30.11 & 13.6 FOR SEISMIC/WIND CONNECTIONS AND GRAVITY SUPPORT.
39. WHERE ELECTRICAL RACEWAYS ARE TO BE EXPOSED, METAL WIREMOLD SHALL BE UTILIZED AND SIZED ACCORDINGLY TO QUANTITY AND TYPE OF WIRES TO BE INSTALLED. EXPOSED CONDUIT SHOULD BE AVOIDED, UNLESS WIREMOLD WILL NOT BE FEASIBLE.
40. ALL EXPOSED ELECTRICAL RACEWAYS SHALL BE PAINTED TO MATCH ADJACENT SURFACES. REFER TO ARCHITECTURAL PLANS FOR FINAL FINISHES
41. ALL EMPTY CONDUITS FOR FUTURE WORK SHALL BE PROVIDED WITH A PULL WIRE.
42. PANEL DIRECTORIES SHALL BE COMPLETELY FILLED IN AT COMPLETION OF JOB PER NEC 408.4. (TYPED).
43. PLANS ARE DESIGNED IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE.
44. PLANS ARE DESIGNED IN ACCORDANCE WITH THE 2018 INTERNATIONAL GREEN CONSTRUCTION CODE.
45. PLANS ARE DESIGNED IN ACCORDANCE WITH THE RHODE ISLAND BUILDING CODE

VOLTAGE DROP: THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST SPECIFIED FEEDER AND BRANCH CIRCUIT REQUIREMENTS BASED ON THE FOLLOWING REQUIREMENTS:

1. FEEDERS SHALL BE SIZED FOR 2% VOLTAGE DROP ,AND BRANCH CIRCUITS SHALL BE SIZED FOR 3% VOLTAGE DROP.
2. THE CONTRACTOR SHALL UTILIZE THE AS-BUILT LENGTHS FOR THE FEEDERS AND BRANCH CIRCUITS WHEN CALCULATING ASSOCIATED VOLTAGE DROP.
3. THE FEEDER AMPERES SHALL BE BASED ON THE FULL LOAD AMPERES OF THE UTILIZATION EQUIPMENT SERVED.
4. THE FEEDER AMPERES FOR PANELBOARDS SHALL BE BASED ON 70% OF THE TRIP SETTING FOR THAT PANELBOARD.
5. WIRING FOR LIGHTING AND RECEPTACLE BRANCH CIRCUITS SHALL BE SIZED IN ACCORDANCE WITH ELECTRICAL GENERAL NOTE 17 ON E001.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INCREASING THE SIZE OF THE FEEDER AND/OR BRANCH CIRCUIT WIRING, AND ASSOCIATED CONDUIT AS REQUIRED TO MEET THE ABOVE VOLTAGE DROP REQUIREMENTS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO INCREASE THE SIZE OF THE EQUIPMENT GROUND CONDUCTOR, FOR FEEDERS AND/OR BRANCH CIRCUITS INCREASED IN SIZE DUE TO VOLTAGE DROP (AND/OR OTHER ADJUSTMENT REASONS), IN ACCORDANCE WITH NEC 250.122(B).
8. THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING FOR THE FEEDERS INCREASED IN SIZE DUE TO VOLTAGE DROP FOR REVIEW AND APPROVAL. THE SHOP DRAWING SHALL INDICATE THE FEEDER AMPERES, THE FEEDER SIZE, THE CONDUIT SIZE, AND THE CALCULATED PERCENT VOLTAGE DROP.

ELECTRICAL ABBREVIATIONS

A			H	HVAC	HEATING, VENTILAITNG AND AIR CONDITIONING	S	TV	TELEVISION
A	A OR AMP	AMPERES	I			T		
A	AAC	ABOVE ACCESSIBLE CEILING	I	IG	ISOLATED GROUND	T	TC	TIME CLOCK
A	AC	ALTERNATING CURRENT	I	IMC	INTERMEDIATE METTALIC CONDUIT	T	TEL	TELEPHONE
A	ACT	ABOVE COUNTER TOP	J			T	TL	TWIST LOCK
A	AFF	ABOVE FINISHED FLOOR	J	J, JB	JUNCTION BOX	T	TYP	TYPICAL
A	AFG	ABOVE FINISHED GRADE	K			U		
A	AHJ	AUTHORITY HAVING JURISDICTION	K	KCMIL	1000 CIRCULAR MILLS	U	UF	UNDERFLOOR
A	AHU	AIR HANDLING UNIT	K	KV	KILOVOLTS	U	UG	UNDERGROUND
A	AIC	INTERRUPTING CAPACITY (RMS SYM. AMPS)	K	KVA	KILOVOLT AMPERES	U	UL	UNDERWRITERS LABORATORIES
A	AIP	AI PHONE	K	KW	KILOWATTS	U	UP	UP
A	ATS	AUTOMATIC TRANSFER SWITCH	L			U	UTP	UNSHIELDED TWISTED PAIR
B			L	LCP	LIGHTING CONTROL PANEL	V		
B	BFG	BELOW FINISHED GRADE	L	LRA	LOCKED ROTOR AMPS	V	V	VOLTS
B	BKBD	BACKBOARD	M			V	VFD	VARIABLE FREQUENCY DRIVE
C			M	MCA	MINIMUM CIRCUIT AMPS	V	VM	VENDING MACHINE
C	C OR COND	CONDUIT	M	MCB	MAIN CIRCUIT BREAKER	V	VP	VAPORPROOF
C	C/T	CURRENT TRANSFORMER	M	MCC	MOTOR CONTROL CENTER	V	VSD	VARIABLE SPEED DRIVE
C	CB, C/B	CIRCUIT BREAKER	M	MCM	1000 CIRCULAR MILLS	W		
C	CFA	CALL FOR ASSISTANCE	M	MD	MOTORIZED DAMPER	W	W/	WITH
C	CLG	CEILING	M	MDP	MAIN DISTRIBUTION PANEL	W	WC	WATERCOOLER
C	CP	CONDENSATE PIPE	M	MFR	MANUFACTURER	W	WP	WEATHERPROOF
C	CPT	CURRENT POTENTIAL TRANS.	M	MH	MECHANICALLY HELD	X		
C	CTR	MOUNTED ABOVE COUNTER	M	MIC	MICROPHONE	X	XFMR	TRANSFORMER
C	CU	CONDENSING UNIT	M	MLO	MAIN LUGS ONLY			
D			M	MO	MOTOR OPERATED			
D	DC	DIRECT CURRENT	M	MTD	MOUNTED			
D	DE	DUAL ELEMENT	M	MUA, MAU	MAKE-UP AIR UNIT			
D	DISC. SW	DISCONNECT SWITCH	M	MW	MICROWAVE			
D	DN	DOWN	N					
D	DTL	DOWN TO LIGHT	N	NAC	NOTIFICATION APPLIANCE CIRCUIT PANEL			
E			N	NC	NORMALLY CLOSED			
E	ECH	ELECTRIC CABINET HEATER	N	NEC	NATIONAL ELECTRICAL CODE			
E	EDH	ELECTRIC DUCT HEATER	N	NF	NOT FUSED			
E	EF	EXHAUST FAN	N	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION			
E	EM	EMERGENCY	N	NIC	NOT IN CONTRACT			
E	EMT	ELECTRICAL METALLIC TUBING	N	NL	NIGHT LIGHT			
E	EO	ELECTRICALLY OPERATED	N	NO	NORMALLY OPEN			
E	EP	ELECTRIC PNEUMATIC SWITCH	N	NTS	NOT TO SCALE			
E	EPO	EMERGENCY POWER OFF	O					
E	EUH	ELECTRIC UNIT HEATER	O	OC	OCCUPANCY SENSOR			
E	EWC	ELECTRIC WATER COOLER	P					
E	EWH	ELECTRIC WATER HEATER	P	P	POLE			
E	EX	EXISTING TO REMAIN	P	P/T	POTENTIAL TRANSFORMER			
E	PC	PULL CHAIN	P	PB	PULL BOX			
F			P	PH	PHASE			
F	FA	FIRE ALARM	P	PM	PROJECT MANAGER			
F	FAAP	FIRE ALARM ANNUNCIATOR PANEL	P	PNL	PANELBOARD			
F	FACP	FIRE ALARM CONTROL PANEL	P	PVC	POLYVINYL CHLORIDE			
F	FCU	FAN COIL UNIT	P	PWU	PURCHASED WITH UNIT			
F	FLA	FULL LOAD AMPS	R					
F	FT	FEET	R	REF	REFRIGERATOR			
G			R	RGS	RIGID GALVANIZED STEEL			
G	G, GND	GROUND	R	RMC	RIGID METALLIC CONDUIT			
G	GAAN	GENERATOR ANNUNCIATOR PANEL	R	RTU	ROOFTOP UNIT			
G	GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER	S					
H			S	SPD	SURGE SUPRESSOR			
H	HOA	HAND-OFF-AUTO SWITCH	S	SW	SWITCH			
H	HP	HORSEPOWER	S	SWBD	SWITCHBOARD			

EXISTING ELECTRICAL EQUIPMENT ABBREVIATIONS

EX	EXISTING TO REMAIN.
RE	REMOVE EXISTING.
RL	RELOCATE EXISTING.
NL	NEW LOCATION OF EXISTING RELOCATED.
NR	NEW TO REPLACE EXISTING.
RR	REMOVE AND REPLACE ON NEW SURFACE.

ELECTRICAL SHEET LIST

SHEET NUMBER	SHEET NAME
E001	ELECTRICAL NOTES, SYMBOL LEGEND, & ABBREVIATIONS
ED101.1	OVERALL FIRST FLOOR ELECTRICAL POWER DEMOLITION PLAN
ED102.1	OVERALL FIRST FLOOR ELECTRICAL LIGHTING DEMOLITION PLAN
ED102.2	OVERALL SECOND FLOOR ELECTRICAL LIGHTING DEMOLITION PLAN
E101.1	OVERALL FIRST FLOOR ELECTRICAL POWER PLAN
E101.2	OVERALL SECOND FLOOR ELECTRICAL POWER PLAN
E102.1	OVERALL FIRST FLOOR ELECTRICAL LIGHTING PLAN
E102.2	OVERALL SECOND FLOOR ELECTRICAL LIGHTING PLAN
E601	LIGHTING CONTROLS
E603	ELECTRICAL PANELBOARD SCHEDULES
E604	ELECTRICAL DETAILS

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

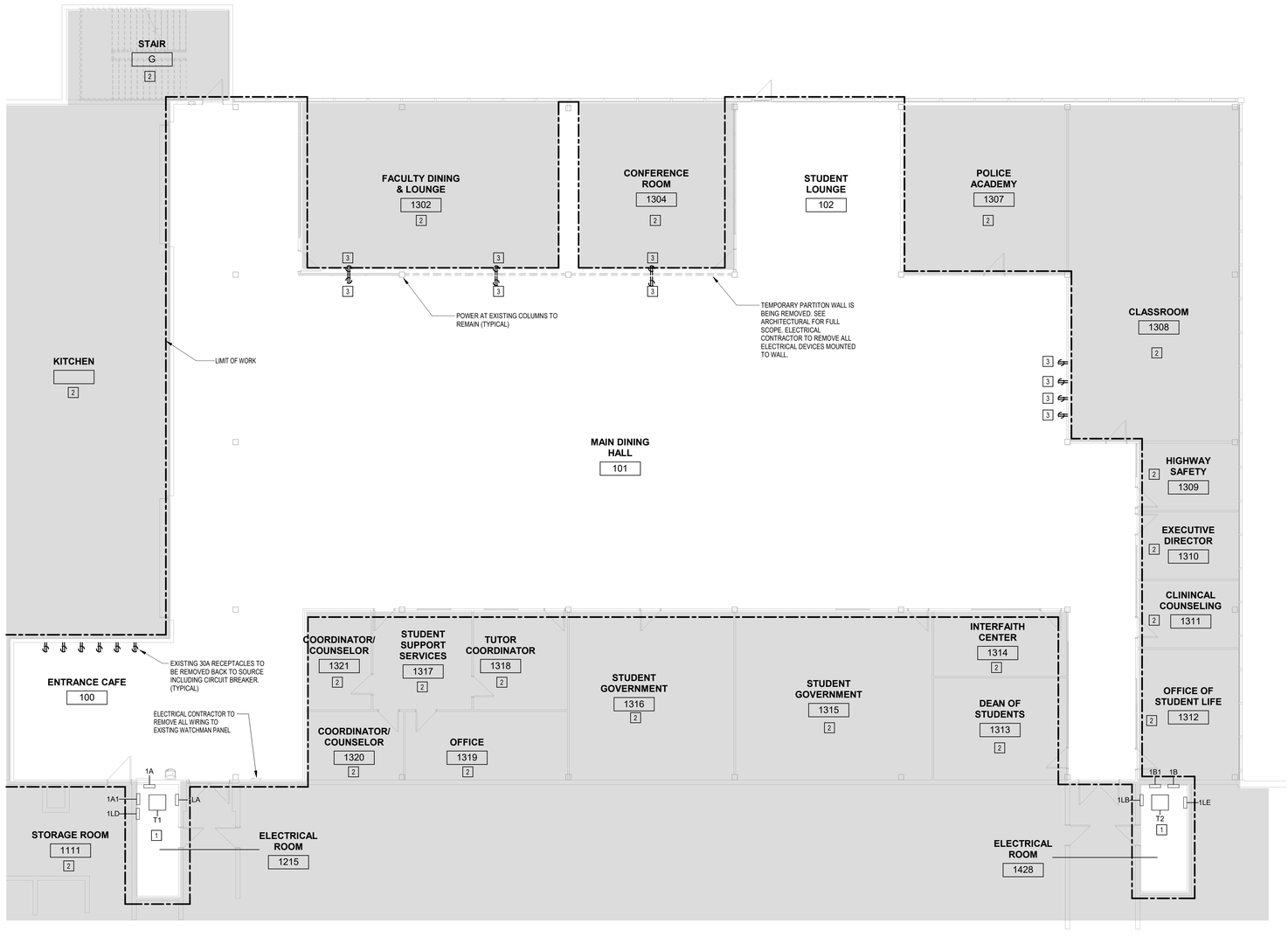
Designed:	BP
Drawn:	BP
Reviewed:	BP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
ELECTRICAL NOTES, SYMBOL LEGEND, & ABBREVIATIONS

Sheet No.
E001

2/13/2025 5:07:56 PM C:\Users\Bpoelti\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpoelti.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERALL FIRST FLOOR POWER DEMOLITION PLAN
1/8" = 1'-0"

ELECTRICAL DEMO PLAN GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF BUILDING DEMOLITION WORK. REFER TO REFLECTED CEILING PLAN FOR EXTENT OF CEILING REMOVALS AND REPLACEMENTS. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS FOR EXTENT OF WALL RENOVATIONS, PATCHING AND FINISHES.
2. PRIOR TO BIDDING, ELECTRICAL CONTRACTOR SHALL FIELD VERIFY SCOPE OF DEMOLITION WORK WITH BUILDING OWNER, PROVIDE LABOR AND EQUIPMENT TO COMPLETE WORK AS REQUIRED AND INSPECT PROJECT SITE TO DETERMINE CONDITIONS UNDER WHICH DEMOLITION IS TO BE ACCOMPLISHED ALONG WITH KIND AND AMOUNT OF MATERIALS BEING REMOVED. INCLUDE COST OF WORK REQUIRED TO ACCOMMODATE ALL EXISTING CONDITIONS IN THE BID PROPOSAL. IF ANY CONDITIONS EXIST THAT WILL MATERIALY EFFECT THE PROJECT, INFORM THE PROJECT MANAGER IMMEDIATELY AND DO NOT PERFORM ANY WORK BEFORE RECEIVING RESOLUTION OF THE PROBLEM.
3. EXISTING ITEMS AND EQUIPMENT TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
4. ALL SALVAGEABLE EQUIPMENT REMOVED SHALL BECOME PROPERTY OF OWNER AND SHALL BE STORED ON SITE AS DIRECTED. ALL NON-SALVAGEABLE MATERIALS SHALL BE REMOVED IN ITS ENTIRETY FROM SITE AND DISPOSED OF BY ELECTRICAL CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE LAWS.
5. WHERE EQUIPMENT OR DEVICES ARE NOTED AS "REMOVE", REMOVE CONDUCTORS ASOCIATED WITH THESE ITEMS TO THE LAST ACTIVE ITEM ON THE CIRCUIT, OR TO THE BRANCH CIRCUIT OVERCURENT DEVICE IF ALL ITEMS ON THE CIRCUIT ARE REMOVED, UNLESS NOTED OTHERWISE. REMOVE CONDUITS FOR THESE CIRCUITS WHERE THEY ARE RUN EXPOSED OR IN CEILING. CONDUITS RUN CONCEALED IN WALLS OR FLOOR SLAB SHALL BE CUT OF FLUSH WITH SURFACE AND ABANDONED. VOIDS IN WALLS OR FLOOR LEFT BY THE REMOVAL OF ELECTRICAL EQUIPMENT FLOOR CONDUITS SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT EXISTING SURFACE.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND LIGHTING AS REQUIRED DURING THE ENTIRE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY POWER AND LIGHTING UPON COMPLETION OF THE PROJECT.
7. WHERE REMOVAL OR RELOCATION OF EXISTING CONDUIT PASSES THROUGH WALLS, OPENINGS SHALL BE PATCHED, SEALED, AND PAINTED TO MATCH THE SURROUNDING WALL. WHERE REMOVAL OR RELOCATION OF EXISTING CONDUIT PASSES THROUGH FLOOR, OPENINGS SHALL BE PATCHED AND SEALED TO MATCH SURROUNDING FLOOR. CONSULT ARCHITECT ON LOCATIONS AND MATERIALS REQUIRED.
8. ELECTRICAL CONTRACTOR SHALL SEAL ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED PARTITIONS, INCLUDING THOSE LEFT DUE TO REMOVAL OF DEVICES OR CONDUIT DURING DEMOLITION, WITH FIRE RATED MATERIAL EQUAL TO DOW CORNING SILICONE RTV FOAM AS A MINIMUM. MATERIAL SELECTION SHALL BE BASED ON RATING OF PARTITION PENETRATE
9. EXIT SIGNS AHLL BE REMOVED CAREFULLY SUCH THAT THEY CAN BE REUSED AND REINSTALLED IN NEW CEILING DURING NEW WORK PHASE.

DEMO PLAN KEY NOTES

(ALL KEY NOTES MAY NOT BE INDICATED ON FLOOR PLAN)

1 EXISTING EQUIPMENT IN ELECTRICAL ROOM TO REMAIN

2 AREA NOT IN SCOPE UNLESS OTHERWISE NOTED.

3 EXISTING FIXTURE TO BE REMOVED.

4 EXISTING FIXTURE AND ALL CIRCUITING AND SWITCHING TO BE REMOVED.

5 EXISTING 30A RECEPTACLES TO BE REMOVED BACK TO SOURCE INCLUDING CIRCUIT BREAKER. (TYPICAL)

6 EXISTING SPEAKER TO BE RELOCATED. SEE NEW POWER PLAN FOR FINAL LOCATION

7 EXISTING WALL MOUNTED WIRELESS ACCESS POINT TO BE RELOCATED. SEE NEW POWER PLAN FOR FINAL LOCATION.

8 EXISTING EXIT SIGNS SHALL BE REMOVED DURING DEMOLITION PHASE AND PROTECTED FOR INSTALLATION DURING NEW PHASE. CONTRACTOR TO VERIFY QUANTITY OF EXIT SIGNS.

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

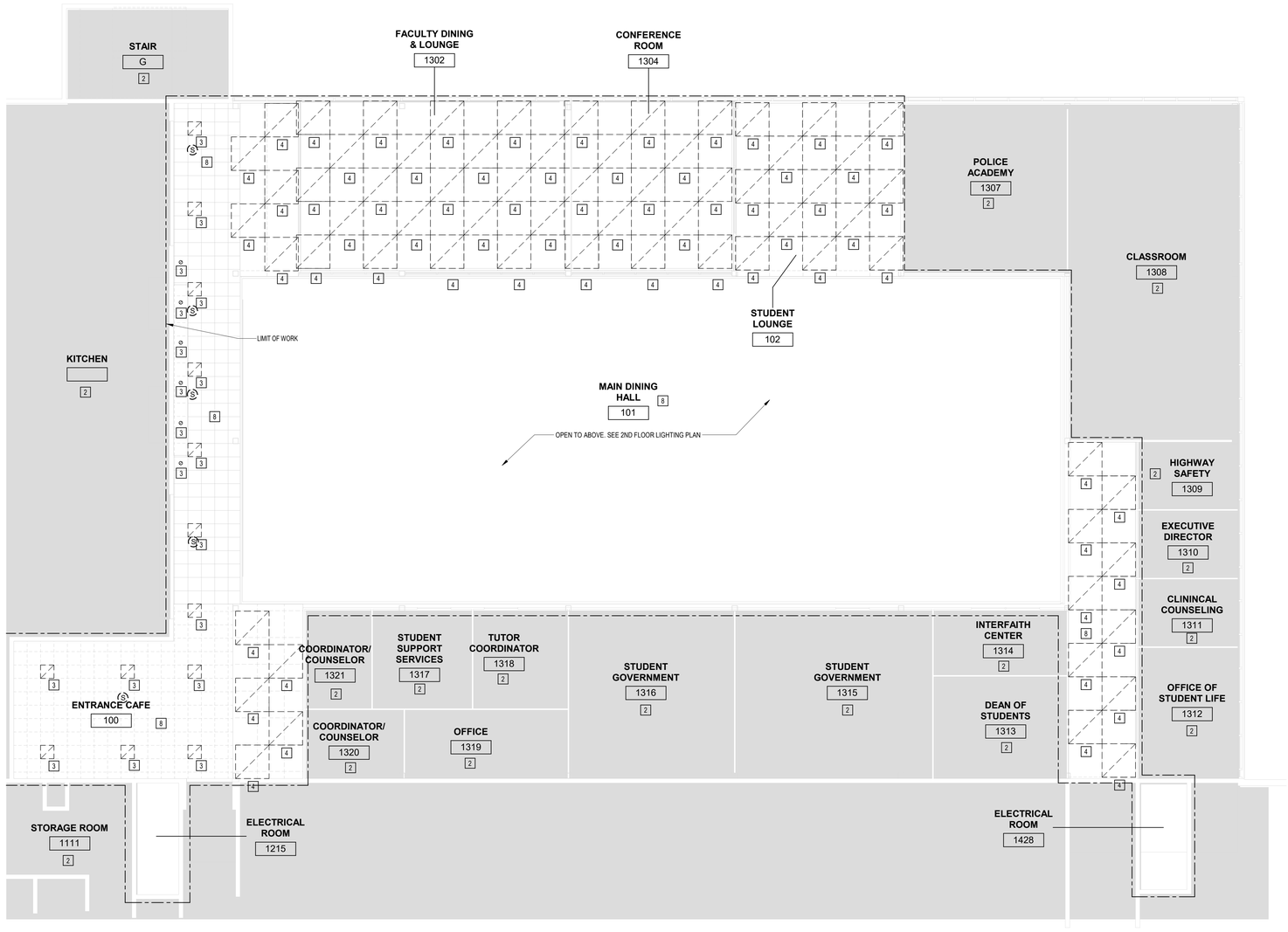
Designed:	BP
Drawn:	BP
Reviewed:	BP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
OVERALL FIRST FLOOR ELECTRICAL POWER DEMOLITION PLAN

Sheet No.
ED101.1

2/13/2025 5:07:58 PM C:\Users\bpoelti\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpoelti.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERALL FIRST FLOOR LIGHTING DEMOLITION PLAN RCP

1/8" = 1'-0"

ELECTRICAL DEMO PLAN GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF BUILDING DEMOLITION WORK. REFER TO REFLECTED CEILING PLAN FOR EXTENT OF CEILING REMOVALS AND REPLACEMENTS. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS FOR EXTENT OF WALL RENOVATIONS, PATCHING AND FINISHES.
2. PRIOR TO BIDDING, ELECTRICAL CONTRACTOR SHALL FIELD VERIFY SCOPE OF DEMOLITION WORK WITH BUILDING OWNER, PROVIDE LABOR AND EQUIPMENT TO COMPLETE WORK AS REQUIRED AND INSPECT PROJECT SITE TO DETERMINE CONDITIONS UNDER WHICH DEMOLITION IS TO BE ACCOMPLISHED ALONG WITH KIND AND AMOUNT OF MATERIALS BEING REMOVED. INCLUDE COST OF WORK REQUIRED TO ACCOMMODATE ALL EXISTING CONDITIONS IN THE BID PROPOSAL. IF ANY CONDITIONS EXIST THAT WILL MATERIALY EFFECT THE PROJECT, INFORM THE PROJECT MANAGER IMMEDIATELY AND DO NOT PERFORM ANY WORK BEFORE RECEIVING RESOLUTION OF THE PROBLEM.
3. EXISTING ITEMS AND EQUIPMENT TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
4. ALL SALVAGEABLE EQUIPMENT REMOVED SHALL BECOME PROPERTY OF OWNER AND SHALL BE STORED ON SITE AS DIRECTED. ALL NON-SALVAGEABLE MATERIALS SHALL BE REMOVED IN ITS ENTIRETY FROM SITE AND DISPOSED OF BY ELECTRICAL CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE LAWS.
5. WHERE EQUIPMENT OR DEVICES ARE NOTED AS "REMOVE", REMOVE CONDUCTORS ASOCIATED WITH THESE ITEMS TO THE LAST ACTIVE ITEM ON THE CIRCUIT, OR TO THE BRANCH CIRCUIT OVERCURENT DEVICE IF ALL ITEMS ON THE CIRCUIT ARE REMOVED, UNLESS NOTED OTHERWISE. REMOVE CONDUITS FOR THESE CIRCUITS WHERE THEY ARE RUN EXPOSED OR IN CEILING. CONDUITS RUN CONCEALED IN WALLS OR FLOOR SLAB SHALL BE CUT OF FLUSH WITH SURFACE AND ABANDONED. VOIDS IN WALLS OR FLOOR LEFT BY THE REMOVAL OF ELECTRICAL EQUIPMENT FLOOR CONDUITS SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT EXISTING SURFACE.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND LIGHTING AS REQUIRED DURING THE ENTIRE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY POWER AND LIGHTING UPON COMPLETION OF THE PROJECT.
7. WHERE REMOVAL OR RELOCATION OF EXISTING CONDUIT PASSES THROUGH WALLS, OPENINGS SHALL BE PATCHED, SEALED, AND PAINTED TO MATCH THE SURROUNDING WALL. WHERE REMOVAL OR RELOCATION OF EXISTING CONDUIT PASSES THROUGH FLOOR, OPENINGS SHALL BE PATCHED AND SEALED TO MATCH SURROUNDING FLOOR. CONSULT ARCHITECT ON LOCATIONS AND MATERIALS REQUIRED.
8. ELECTRICAL CONTRACTOR SHALL SEAL ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED PARTITIONS, INCLUDING THOSE LEFT DUE TO REMOVAL OF DEVICES OR CONDUIT DURING DEMOLITION, WITH FIRE RATED MATERIAL EQUAL TO DOW CORNING SILICONE RTV FOAM AS A MINIMUM. MATERIAL SELECTION SHALL BE BASED ON RATING OF PARTITION PENETRATE
9. EXIT SIGNS AHLL BE REMOVED CAREFULLY SUCH THAT THEY CAN BE REUSED AND REINSTALLED IN NEW CEILING DURING NEW WORK PHASE.

DEMO PLAN KEY NOTES

(ALL KEY NOTES MAY NOT BE INDICATED ON FLOOR PLAN)

1 EXISTING EQUIPMENT IN ELECTRICAL ROOM TO REMAIN

2 AREA NOT IN SCOPE UNLESS OTHERWISE NOTED.

3 EXISTING FIXTURE TO BE REMOVED.

4 EXISTING FIXTURE AND ALL CIRCUITING AND SWITCHING TO BE REMOVED.

5 EXISTING 30A RECEPTACLES TO BE REMOVED BACK TO SOURCE INCLUDING CIRCUIT BREAKER. (TYPICAL)

6 EXISTING SPEAKER TO BE RELOCATED. SEE NEW POWER PLAN FOR FINAL LOCATION

7 EXISTING WALL MOUNTED WIRELESS ACCESS POINT TO BE RELOCATED. SEE NEW POWER PLAN FOR FINAL LOCATION.

8 EXISTING EXIT SIGNS SHALL BE REMOVED DURING DEMOLITION PHASE AND PROTECTED FOR INSTALLATION DURING NEW PHASE. CONTRACTOR TO VERIFY QUANTITY OF EXIT SIGNS.

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

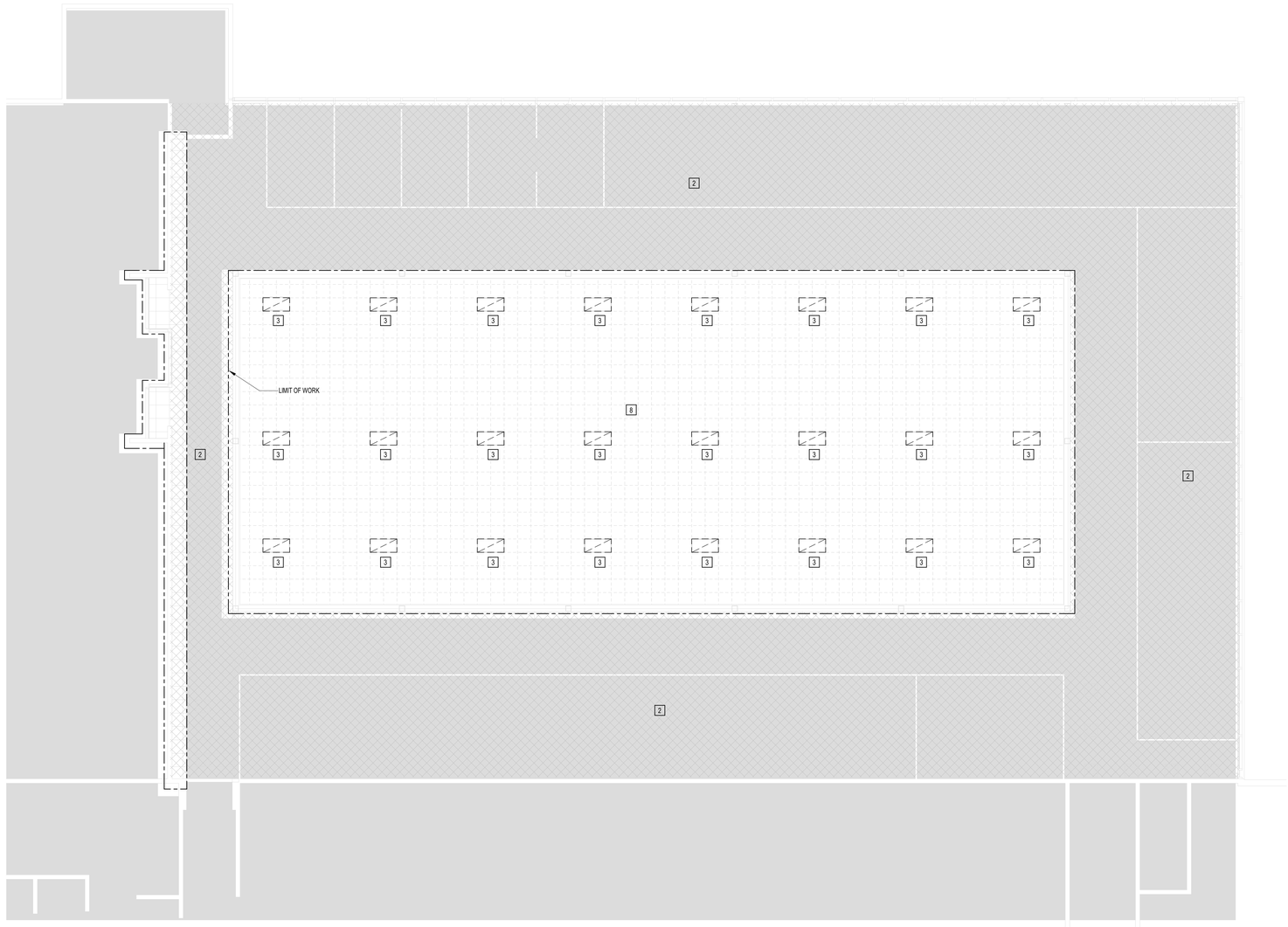
Designed:	BP
Drawn:	BP
Reviewed:	BP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
OVERALL FIRST FLOOR ELECTRICAL LIGHTING DEMOLITION PLAN

Sheet No.
ED102.1

2/13/2025 5:08:00 PM C:\Users\Bpoeltl\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpoeltl.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERALL SECOND FLOOR LIGHTING DEMOLITION PLAN RCP
1/8" = 1'-0"

ELECTRICAL DEMO PLAN GENERAL NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF BUILDING DEMOLITION WORK. REFER TO REFLECTED CEILING PLAN FOR EXTENT OF CEILING REMOVALS AND REPLACEMENTS. REFER TO ARCHITECTURAL ELEVATIONS AND SECTIONS FOR EXTENT OF WALL RENOVATIONS, PATCHING AND FINISHES.
2. PRIOR TO BIDDING, ELECTRICAL CONTRACTOR SHALL FIELD VERIFY SCOPE OF DEMOLITION WORK WITH BUILDING OWNER, PROVIDE LABOR AND EQUIPMENT TO COMPLETE WORK AS REQUIRED AND INSPECT PROJECT SITE TO DETERMINE CONDITIONS UNDER WHICH DEMOLITION IS TO BE ACCOMPLISHED ALONG WITH KIND AND AMOUNT OF MATERIALS BEING REMOVED. INCLUDE COST OF WORK REQUIRED TO ACCOMMODATE ALL EXISTING CONDITIONS IN THE BID PROPOSAL. IF ANY CONDITIONS EXIST THAT WILL MATERIALY EFFECT THE PROJECT, INFORM THE PROJECT MANAGER IMMEDIATELY AND DO NOT PERFORM ANY WORK BEFORE RECEIVING RESOLUTION OF THE PROBLEM.
3. EXISTING ITEMS AND EQUIPMENT TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
4. ALL SALVAGEABLE EQUIPMENT REMOVED SHALL BECOME PROPERTY OF OWNER AND SHALL BE STORED ON SITE AS DIRECTED. ALL NON-SALVAGEABLE MATERIALS SHALL BE REMOVED IN ITS ENTIRETY FROM SITE AND DISPOSED OF BY ELECTRICAL CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE LAWS.
5. WHERE EQUIPMENT OR DEVICES ARE NOTED AS "REMOVE", REMOVE CONDUCTORS ASOCIATED WITH THESE ITEMS TO THE LAST ACTIVE ITEM ON THE CIRCUIT, OR TO THE BRANCH CIRCUIT OVERCURENT DEVICE IF ALL ITEMS ON THE CIRCUIT ARE REMOVED, UNLESS NOTED OTHERWISE. REMOVE CONDUITS FOR THESE CIRCUITS WHERE THEY ARE RUN EXPOSED OR IN CEILING. CONDUITS RUN CONCEALED IN WALLS OR FLOOR SLAB SHALL BE CUT OF FLUSH WITH SURFACE AND ABANDONED. VOIDS IN WALLS OR FLOOR LEFT BY THE REMOVAL OF ELECTRICAL EQUIPMENT FLOOR CONDUITS SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT EXISTING SURFACE.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND LIGHTING AS REQUIRED DURING THE ENTIRE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY POWER AND LIGHTING UPON COMPLETION OF THE PROJECT.
7. WHERE REMOVAL OR RELOCATION OF EXISTING CONDUIT PASSES THROUGH WALLS, OPENINGS SHALL BE PATCHED, SEALED, AND PAINTED TO MATCH THE SURROUNDING WALL. WHERE REMOVAL OR RELOCATION OF EXISTING CONDUIT PASSES THROUGH FLOOR, OPENINGS SHALL BE PATCHED AND SEALED TO MATCH SURROUNDING FLOOR. CONSULT ARCHITECT ON LOCATIONS AND MATERIALS REQUIRED.
8. ELECTRICAL CONTRACTOR SHALL SEAL ALL ELECTRICAL PENETRATIONS THROUGH FIRE RATED PARTITIONS, INCLUDING THOSE LEFT DUE TO REMOVAL OF DEVICES OR CONDUIT DURING DEMOLITION, WITH FIRE RATED MATERIAL EQUAL TO DOW CORNING SILICONE RTV FOAM AS A MINIMUM. MATERIAL SELECTION SHALL BE BASED ON RATING OF PARTITION PENETRATE
9. EXIT SIGNS AHLL BE REMOVED CAREFULLY SUCH THAT THEY CAN BE REUSED AND REINSTALLED IN NEW CEILING DURING NEW WORK PHASE.

DEMO PLAN KEY NOTES

(ALL KEY NOTES MAY NOT BE INDICATED ON FLOOR PLAN)

1 EXISTING EQUIPMENT IN ELECTRICAL ROOM TO REMAIN

2 AREA NOT IN SCOPE UNLESS OTHERWISE NOTED.

3 EXISTING FIXTURE TO BE REMOVED.

4 EXISTING FIXTURE AND ALL CIRCUITING AND SWITCHING TO BE REMOVED.

5 EXISTING 30A RECEPTACLES TO BE REMOVED BACK TO SOURCE INCLUDING CIRCUIT BREAKER. (TYPICAL)

6 EXISTING SPEAKER TO BE RELOCATED. SEE NEW POWER PLAN FOR FINAL LOCATION

7 EXISTING WALL MOUNTED WIRELESS ACCESS POINT TO BE RELOCATED. SEE NEW POWER PLAN FOR FINAL LOCATION.

8 EXISTING EXIT SIGNS SHALL BE REMOVED DURING DEMOLITION PHASE AND PROTECTED FOR INSTALLATION DURING NEW PHASE. CONTRACTOR TO VERIFY QUANTITY OF EXIT SIGNS.

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

NO	DATE	DESCRIPTION

REVISIONS

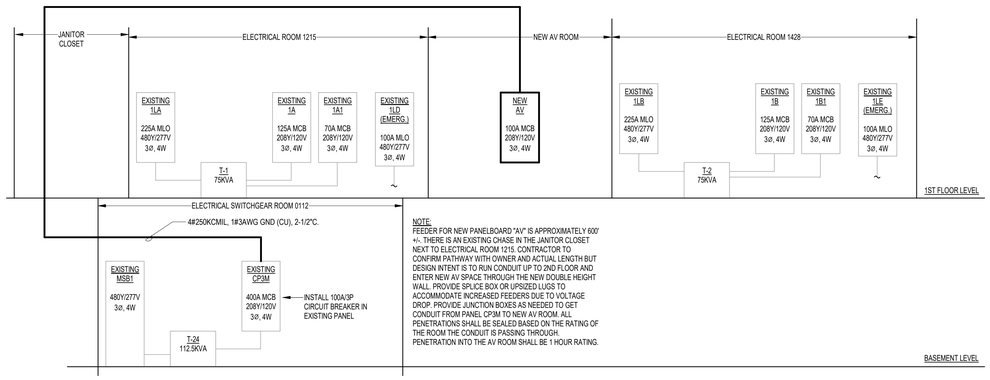
Designed: BP
Drawn: BP
Reviewed: BP
Project No.: 2400014
Date: 02/14/2025
Issued for: BID

Title: OVERALL SECOND FLOOR ELECTRICAL LIGHTING DEMOLITION PLAN

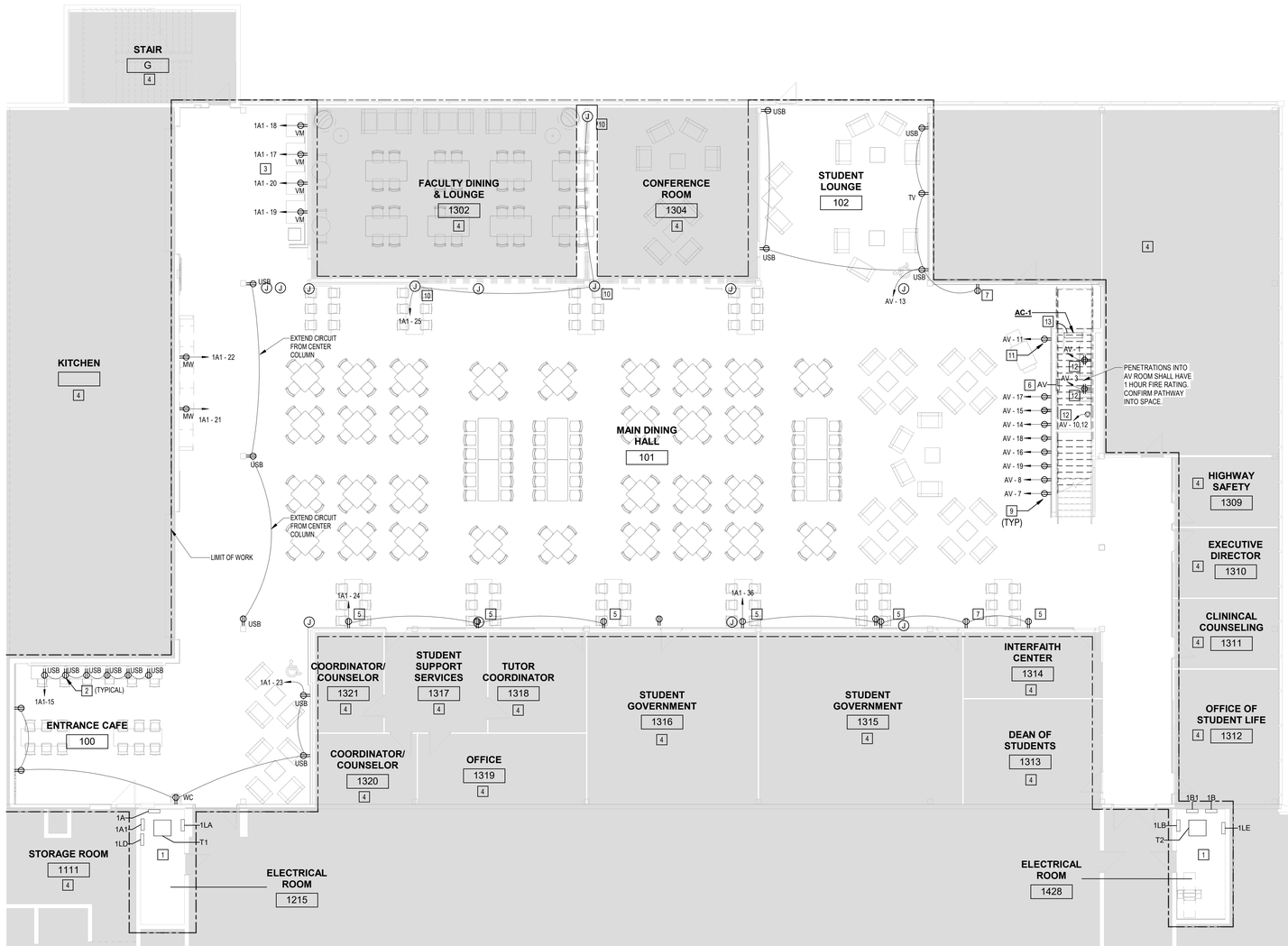
Sheet No. ED102.2

2/13/2025 5:08:00 PM C:\Users\BpoelitlDocuments\2400014_Flanagan Commons_MEP_R24_Central_bpoelitl.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



2 EXISTING AREA PARTIAL RISER DIAGRAM
NOT TO SCALE



1 OVERALL FIRST FLOOR POWER PLAN
1/8" = 1'-0"

POWER PLAN GENERAL NOTES

1. ALL INSTALLATIONS SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ALL APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE SUITABLE FOR ITS APPLICATION PER THE LISTING INSTRUCTIONS OF A NATIONALLY RECOGNIZED AND APPROVED TESTING LABORATORY.
3. ACCESS TO & CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL CONFORM TO NEC ARTICLE 110. CONSULT ENGINEER WHERE SPACE APPEARS INADEQUATE DUE TO ARCHITECTURAL CHANGES, EQUIPMENT LAYOUT CHANGES, OR FIELD CONDITIONS. DO NOT COVER, OBSCURE OR BLOCK ACCESS TO EQUIPMENT, DATA PLATES, ACCESS PANELS OR MAINTENANCE AREAS WITH THE ELECTRICAL WORK.
4. THIS DRAWING SHOWS EQUIPMENT LOCATIONS ONLY. WIRING SHOWN IS SCHEMATIC IN NATURE. REFER TO RISERS, & DETAILS FOR ALL REQUIRED POWER & CONTROL WIRING. COORDINATE CONDUIT ROUTE IN FIELD WITH OTHER TRADES, EQUIPMENT & OWNER. VERIFY ALL MOUNTING HEIGHTS WITH OWNER & ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
5. UNLESS NOTED OTHERWISE, MINIMUM POWER WIRING SHALL BE 2-#12 & 1-#12 GND IN 3/4"C TO 20A-1P CIRCUIT BREAKER IN PANEL LISTED. MINIMUM CONTROL WIRING SHALL BE 2-#14 IN 3/4"C. ALL POWER WIRING OF CIRCUIT SHALL MATCH HOMERUN WIRING OF CIRCUIT.
6. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE FOR BRANCH CIRCUIT INFORMATION OF MECHANICAL AND PLUMBING EQUIPMENT.
7. REVIEW DRAWINGS TO COORDINATE POWER REQUIREMENTS AND LOCATIONS FOR ALL EQUIPMENT SPECIFIED BY OTHER TRADES INVOLVED IN THE PROJECT. PROVIDE ALL THE ELECTRICAL POWER CIRCUITS, INTERCONNECTING POWER WIRING AND CONDUIT, CONTROL WIRING, NECESSARY TO PROVIDE A COMPLETE INSTALLATION.
8. COORDINATE ELECTRICAL REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT WITH ACTUAL EQUIPMENT PRIOR TO INSTALLATION.
9. CONTRACTOR SHALL COORDINATE WITH SITE SPECIFIC LOCAL REQUIREMENTS FOR SEISMIC BRACING OF ELECTRICAL EQUIPMENT AND CONDUITS.
10. CONTRACTOR SHALL CLEARLY LABEL ALL ELECTRICAL EQUIPMENT AND DEVICES WITH ASSOCIATED PANEL NAME AND CIRCUIT BREAKER.
11. UNLESS OTHERWISE NOTED, ALL 15A AND 20A, 120V AND 250V NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES TO MEET NEC 406.12.

POWER PLAN KEY NOTES

(ALL KEY NOTES MAY NOT BE INDICATED ON FLOOR PLAN)

1. ALL ELECTRICAL PANELS ARE EXISTING TO REMAIN.
2. RECEPTACLES MOUNTED ABOVE COUNTER AT 3'-10". REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
3. VENDING MACHINES SHALL BE PLUGGED INTO EXISTING LOAD MANAGEMENT DEVICES. COORDINATE WITH EXISTING EQUIPMENT.
4. AREA NOT IN SCOPE OF NEW WORK. PATHWAY FOR NEW WORK MAY BE REQUIRED TO PASS THROUGH SPACE.
5. POWER FOR FURNITURE SYSTEMS. POWER TO BE SURFACE MOUNTED ON EXISTING PARTITION. FURNITURE PLUGS INTO STANDARD DUPLEX RECEPTACLE. COORDINATE EXACT LOCATION WITH FURNITURE PLAN. RECEPTACLE SHOULD BE MOUNTED DIRECTLY NEXT TO FURNITURE.
6. NEW 100A, 208Y/120V, 3PH, 4W PANELBOARD POWERED FROM CLEAN POWER PANEL CP3M FOR AV EQUIPMENT AT NEW WALL. COORDINATE MOUNTING LOCATION WITH AV RACKS AND IT EQUIPMENT PRIOR TO MOUNTING PANELBOARD.
7. RECEPTACLE FOR DIGITAL DISPLAY. COORDINATE HEIGHT AND MOUNTING LOCATION WITH ARCHITECT AND OWNER.
8. COORDINATE HEIGHT AND MOUNTING LOCATION WITH ARCHITECT AND OWNER.
9. RECEPTACLE LOCATED IN CHIEFTAIN BACKBOX. BACKBOX AND RECEPTACLE IS FURNISHED BY TELIDATA CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. VERIFY EXACT MOUNTING HEIGHT. (TYPICAL)
10. POWER FOR MOTORIZED PARTITION WALL. POWER REQUIREMENTS AND CONTROLS TO BE CONFIRMED.
11. POWER FOR PODIUM. COORDINATE LOCATION OF RECEPTACLE WITH IT DRAWINGS.
12. POWER FOR IT AND AV EQUIPMENT SHALL BE COORDINATED WITH AV AND IT DRAWINGS PRIOR TO ROUGH-IN.
13. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CU AND AC EQUIPMENT. CONTRACTOR TO PROVIDE WIRING FROM OUTDOOR UNIT TO POWER INDOOR UNIT. FOLLOW SAME PATH AS PIPING FOR INDOOR POWER. CONDENSATE PUMP ON INDOOR UNIT IS INTEGRAL AND DOES NOT REQUIRE AN ADDITIONAL 120V CIRCUIT. PROVIDE 120V,20A CIRCUIT WITH 2#12AWG, #12AWG G, 3/4"C TO SERVICE RECEPTACLE. MOUNT ADJACENT TO EQUIPMENT. CONTRACTOR TO PROVIDE ROOF PATCHING AND MOUNTING AS REQUIRED.

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

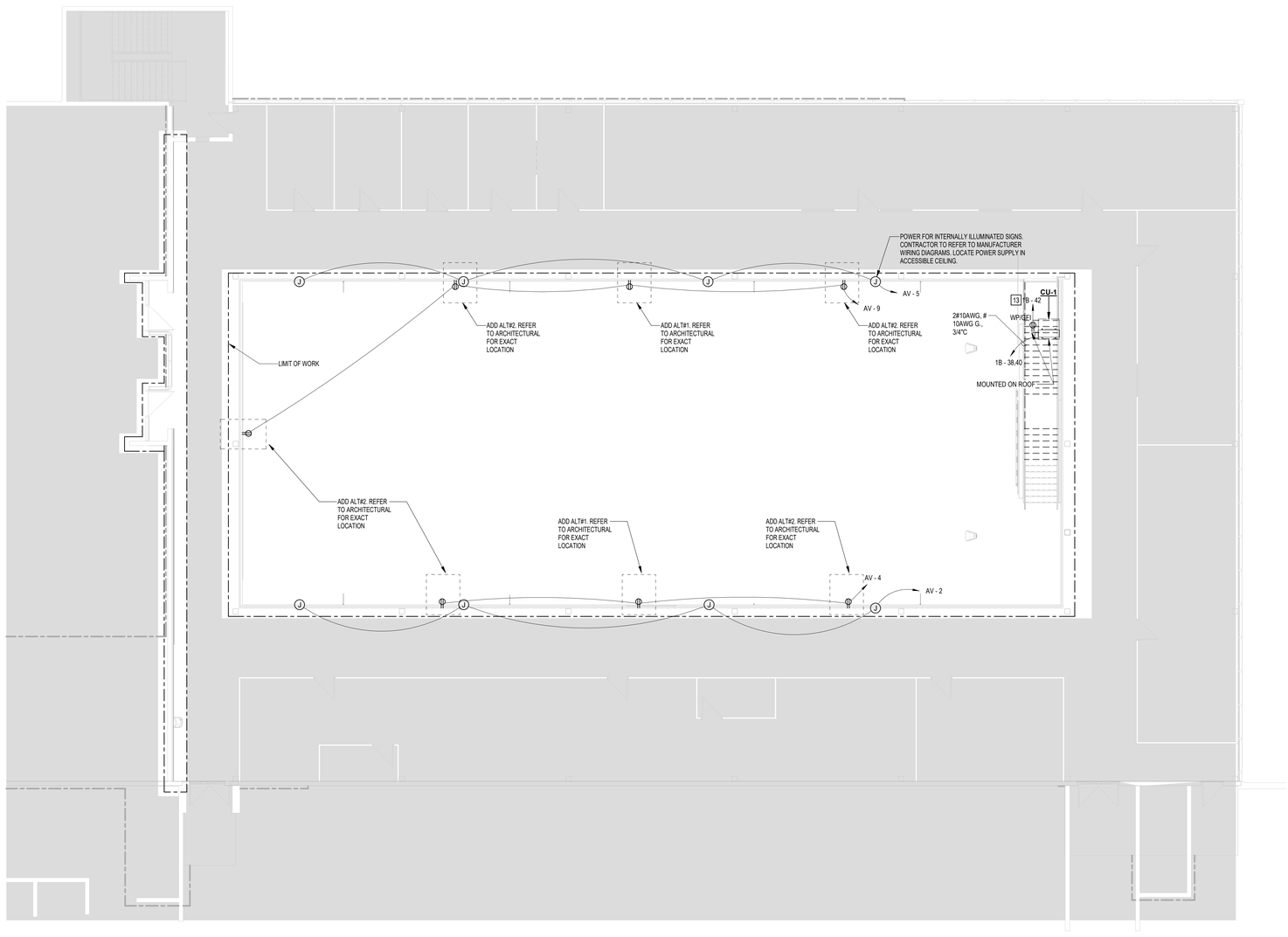
NO	DATE	DESCRIPTION
REVISIONS		

Designed: BP
Drawn: BP
Reviewed: BP
Project No.: 2400014
Date: 02/14/2025
Issued for:
BID

Title:
OVERALL FIRST FLOOR ELECTRICAL POWER PLAN

Sheet No.
E101.1

2/13/2025 5:08:09 PM C:\Users\Bpoelti\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpoelti.rvt
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERALL SECOND FLOOR POWER PLAN
1/8" = 1'-0"

POWER PLAN GENERAL NOTES

1. ALL INSTALLATIONS SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ALL APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE SUITABLE FOR ITS APPLICATION PER THE LISTING INSTRUCTIONS OF A NATIONALLY RECOGNIZED AND APPROVED TESTING LABORATORY.
3. ACCESS TO & CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL CONFORM TO NEC ARTICLE 110. CONSULT ENGINEER WHERE SPACE APPEARS INADEQUATE DUE TO ARCHITECTURAL CHANGES, EQUIPMENT LAYOUT CHANGES, OR FIELD CONDITIONS. DO NOT COVER, OBSCURE OR BLOCK ACCESS TO EQUIPMENT, DATA PLATES, ACCESS PANELS OR MAINTENANCE AREAS WITH THE ELECTRICAL WORK.
4. THIS DRAWING SHOWS EQUIPMENT LOCATIONS ONLY. WIRING SHOWN IS SCHEMATIC IN NATURE. REFER TO RISERS, & DETAILS FOR ALL REQUIRED POWER & CONTROL WIRING. COORDINATE CONDUIT ROUTE IN FIELD WITH OTHER TRADES, EQUIPMENT & OWNER. VERIFY ALL MOUNTING HEIGHTS WITH OWNER & ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
5. UNLESS NOTED OTHERWISE, MINIMUM POWER WIRING SHALL BE 2-#12 & 1-#12 GND IN 3/4"C TO 20A-1P CIRCUIT BREAKER IN PANEL LISTED. MINIMUM CONTROL WIRING SHALL BE 2-#14 IN 3/4"C. ALL POWER WIRING OF CIRCUIT SHALL MATCH HOMERUN WIRING OF CIRCUIT.
6. REFER TO MECHANICAL EQUIPMENT FEEDER SCHEDULE FOR BRANCH CIRCUIT INFORMATION OF MECHANICAL AND PLUMBING EQUIPMENT.
7. REVIEW DRAWINGS TO COORDINATE POWER REQUIREMENTS AND LOCATIONS FOR ALL EQUIPMENT SPECIFIED BY OTHER TRADES INVOLVED IN THE PROJECT. PROVIDE ALL THE ELECTRICAL POWER CIRCUITS, INTERCONNECTING POWER WIRING AND CONDUIT, CONTROL WIRING, NECESSARY TO PROVIDE A COMPLETE INSTALLATION.
8. COORDINATE ELECTRICAL REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT WITH ACTUAL EQUIPMENT PRIOR TO INSTALLATION.
9. CONTRACTOR SHALL COORDINATE WITH SITE SPECIFIC LOCAL REQUIREMENTS FOR SEISMIC BRACING OF ELECTRICAL EQUIPMENT AND CONDUITS.
10. CONTRACTOR SHALL CLEARLY LABEL ALL ELECTRICAL EQUIPMENT AND DEVICES WITH ASSOCIATED PANEL NAME AND CIRCUIT BREAKER.
11. UNLESS OTHERWISE NOTED, ALL 15A AND 20A, 120V AND 250V NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES TO MEET NEC 406.12.

POWER PLAN KEY NOTES

(ALL KEY NOTES MAY NOT BE INDICATED ON FLOOR PLAN)

1. ALL ELECTRICAL PANELS ARE EXISTING TO REMAIN.
2. RECEPTACLES MOUNTED ABOVE COUNTER AT 3'-10". REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
3. VENDING MACHINES SHALL BE PLUGGED INTO EXISTING LOAD MANAGEMENT DEVICES. COORDINATE WITH EXISTING EQUIPMENT.
4. AREA NOT IN SCOPE OF NEW WORK. PATHWAY FOR NEW WORK MAY BE REQUIRED TO PASS THROUGH SPACE.
5. POWER FOR FURNITURE SYSTEMS. POWER TO BE SURFACE MOUNTED ON EXISTING PARTITION. FURNITURE PLUGS INTO STANDARD DUPLEX RECEPTACLE. COORDINATE EXACT LOCATION WITH FURNITURE PLAN. RECEPTACLE SHOULD BE MOUNTED DIRECTLY NEXT TO FURNITURE.
6. NEW 100A, 208Y/120V, 3PH, 4W PANELBOARD POWERED FROM CLEAN POWER PANEL CP3M FOR AV EQUIPMENT AT NEW WALL. COORDINATE MOUNTING LOCATION WITH AV RACKS AND IT EQUIPMENT PRIOR TO MOUNTING PANELBOARD.
7. RECEPTACLE FOR DIGITAL DISPLAY. COORDINATE HEIGHT AND MOUNTING LOCATION WITH ARCHITECT AND OWNER.
8. COORDINATE HEIGHT AND MOUNTING LOCATION WITH ARCHITECT AND OWNER.
9. RECEPTACLE LOCATED IN CHIEFTAIN BACKBOX. BACKBOX AND RECEPTACLE IS FURNISHED BY TEL/DATA CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. VERIFY EXACT MOUNTING HEIGHT. (TYPICAL)
10. POWER FOR MOTORIZED PARTITION WALL. POWER REQUIREMENTS AND CONTROLS TO BE CONFIRMED.
11. POWER FOR PODIUM. COORDINATE LOCATION OF RECEPTACLE WITH IT DRAWINGS.
12. POWER FOR IT AND AV EQUIPMENT SHALL BE COORDINATED WITH AV AND IT DRAWINGS PRIOR TO ROUGH-IN.
13. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CU AND AC EQUIPMENT. CONTRACTOR TO PROVIDE WIRING FROM OUTDOOR UNIT TO POWER INDOOR UNIT. FOLLOW SAME PATH AS PIPING FOR INDOOR POWER. CONDENSATE PUMP ON INDOOR UNIT IS INTEGRAL AND DOES NOT REQUIRE AN ADDITIONAL 120V CIRCUIT. PROVIDE 120V,20A CIRCUIT WITH 2#12AWG, #12AWG G, 3/4"C TO SERVICE RECEPTACLE. MOUNT ADJACENT TO EQUIPMENT. CONTRACTOR TO PROVIDE ROOF PATCHING AND MOUNTING AS REQUIRED.

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed:	BP
Drawn:	BP
Reviewed:	BP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
OVERALL SECOND FLOOR ELECTRICAL POWER PLAN

Sheet No.
E101.2

2/13/2025 5:08:09 PM C:\Users\BpoeltI\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpoeltl.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

LIGHTING FIXTURE SCHEDULE NOTES:

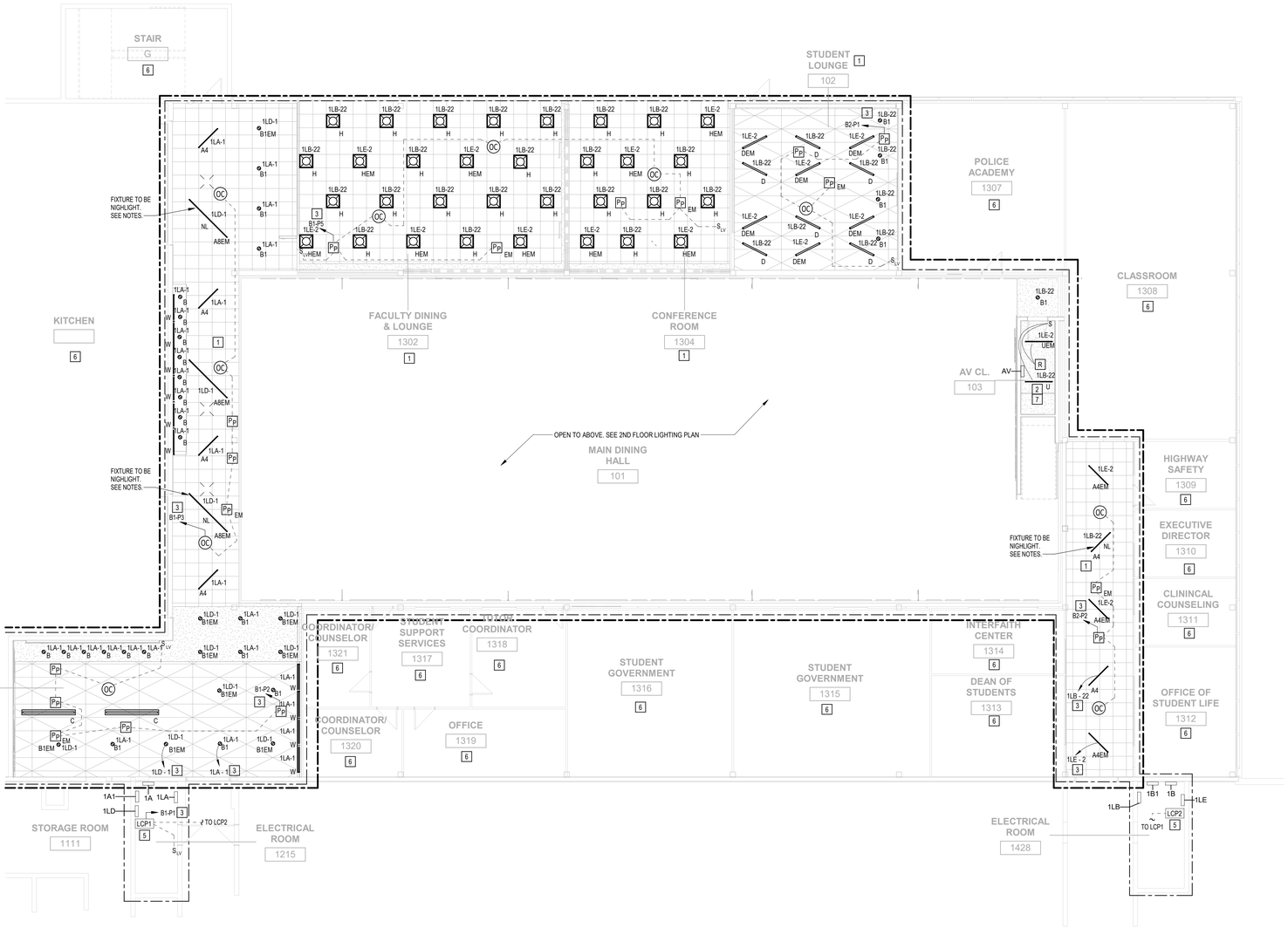
1. BIDS SHALL BE BASED ON THE LIGHTING FIXTURE SCHEDULE AND SPECIFICATIONS. REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL FIXTURES SHALL BE UL LISTED.
3. FIXTURES SHALL BE SEISMICALLY SUPPORTED AS REQUIRED BY BUILDING CODE.
4. PROVIDE FACTORY INSTALLED VIBRATION DAMPENER FOR POLE FIXTURES MOUNTED 25 FT ABOVE FINISHED GRADE.
5. REFER TO DRAWINGS FOR FIXTURE QUANTITIES, MOUNTING TYPE, NUMBER OF FACES AND ARROWS OF EXIT SIGNS, VERIFY IN FIELD PRIOR TO INSTALLATION.
6. VERIFY COMPATIBILITY WITH VOLTAGE, CONTROLS, ETC. FOR ALL LUMINAIRE COMPONENTS.
7. COORDINATE EACH LUMINAIRE LOCATION WITH THE ARCHITECTURAL REFLECTED CEILING PLANS AND PROVIDE APPROPRIATE MOUNTING SYSTEM REQUIRED FOR EACH LUMINAIRE. ALSO, PROVIDE PLASTER FRAMES, WALL BRACKETS, SUPPORTS, OR OTHER APPURTENANCES AS REQUIRED FOR PROPER AND COMPLETE INSTALLATIONS.
8. MOUNTING HEIGHTS INDICATED ARE TO THE BOTTOM OF THE LUMINAIRE, UNLESS OTHERWISE NOTED.

EXIT SIGN NOTES:

1. EXIT SIGNS ARE EXISTING. THEY SHALL BE CAREFULLY RMOVED DURING DEMOLITION PHASE AND REINSTALLED IN SAME LOCATION DURING NEW PHASE. CONTRACTOR TO PROVIDE MOUNTING HARDWARE AS NECESSARY. IF CEILING IS CHANGING IN NEW PHASE OF WORK, CONTRACTOR IS RESPONSIBLE FOR PROVIDING NEW HARDWARE. CONTRACTOR TO VERIFY QUANTITY OF EXIT SIGNS.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMP	LUMENS	COLOR TEMP	WATTS	VOLTS	MOUNTING	DESCRIPTION
A4	ALW USA	LPX-8SSAFN-S4-1035ASSLV00	LED	4000	3500K	36W	277V	SURFACE	8' X 4" LED LINEAR WITH DIMMING
A4EM	ALW USA	LPX-8SSAFN-S4-1035ASSLV00	LED	4000	3500K	36W	277V	SURFACE	SIMILAR TO TYPE "A4" FIXTURE, WIRE TO EMERGENCY LIGHTING CIRCUIT THROUGH BYPASS RELAY
A8EM	ALW USA	LPX-8SSAFN-S8-1035ASSLV00	LED	8000	3500K	72W	277V	SURFACE	8' X 4" LED LINEAR WITH DIMMING, WIRE TO EMERGENCY LIGHTING CIRCUIT THROUGH BYPASS RELAY.
B	GOTHAM	PXMSR-D-SSLW-35K-80CRI-MVOLT-277-ZT-NCHW-LTP-4IN-LSS-F	LED	900	3500K	6W	277V	RECESSED	4" ROUND SHALLOW RECESSED WALL WASH
B1	GOTHAM	PXMSR-D-SSLW-35K-80CRI-MVOLT-277-ZT-NCHW-LTP-4IN-LSS-F	LED	2000	3500K	20W	277V	RECESSED	4" ROUND SHALLOW RECESSED DOWNLIGHT
B1EM	GOTHAM	PXMSR-D-SSLW-35K-80CRI-MVOLT-277-ZT-NCHW-LTP-4IN-LSS-F	LED	2000	3500K	20W	277V	RECESSED	SIMILAR TO TYPE "B1" FIXTURE, WIRE TO EMERGENCY LIGHTING CIRCUIT THROUGH BYPASS RELAY.
C	ALW USA	LPX-2DSSAN-S4-1035ASSLV00	LED	2000	3500K	35W	277V	SUSPENDED	8' SUSPENDED DIRECT/INDIRECT LINEAR, COORDINATE WITH ARCHITECTURAL PLANS FOR FINISHED HEIGHT.
D	JLC-TECH	T5FL 4AW MO 49 15 DIM A 11 120V	LED	1380	3500K	23W	277V	RECESSED	LINEAR RECESSED IN CEILING GRID, NO GAPS/SEAMS, 48" MAX HEAD SPACING
DEM	JLC-TECH	T5FL 4AW MO 49 15 DIM A 11 120V	LED	1380	3500K	23W	277V	RECESSED	SIMILAR TO TYPE "D" FIXTURE, WIRE TO EMERGENCY LIGHTING CIRCUIT THROUGH BYPASS RELAY
F4	ALW USA	LPX-4SSAFN-S4-1035ASSLV00	LED	4000	3500K	36W	277V	SUSPENDED	4' SUSPENDED DIRECT LINEAR, COORDINATE WITH ARCHITECTURAL PLANS FOR FINISHED HEIGHT.
F8EM	ALW USA	LPX-8SSPRN-S8-1035BSSLV00	LED	8000	3500K	72W	277V	SUSPENDED	8' SUSPENDED DIRECT LINEAR, COORDINATE WITH ARCHITECTURAL PLANS FOR FINISHED HEIGHT, WIRE TO EMERGENCY LIGHTING CIRCUIT THROUGH BYPASS RELAY
F10EM	ALW USA	LPX-10SSPRN-S10-1035BSSLV00	LED	8000	3500K	90W	277V	SUSPENDED	10' SUSPENDED DIRECT LINEAR, COORDINATE WITH ARCHITECTURAL PLANS FOR FINISHED HEIGHT, WIRE TO EMERGENCY LIGHTING CIRCUIT THROUGH BYPASS RELAY
F12	ALW USA	LPX-12SSPRN-S12-1035BSSLV00	LED	12000	3500K	108W	277V	SUSPENDED	12' SUSPENDED DIRECT LINEAR, COORDINATE WITH ARCHITECTURAL PLANS FOR FINISHED HEIGHT
F16	ALW USA	LPX-16SSPRN-S16-1035BSSLV00	LED	16000	3500K	144W	277V	SUSPENDED	16' SUSPENDED DIRECT LINEAR, COORDINATE WITH ARCHITECTURAL PLANS FOR FINISHED HEIGHT
G	ALW USA	CP04-1035XSSDN-WW00	LED	1100	3500K	8W	277V	PENDANT	4.5" ROUND PENDANT EXTRUDED ALUMINUM WITH OPAL GLASS, HARDWARE, MOUNTING HEIGHTS VARY, REFER TO ARCHITECTURAL PLANS, FINISHES TO BE SELECTED BY ARCHITECT.
H	MARK ARCHITECTURAL LIGHTING	WINSPR 2X2 35K 80CRI 3000LM SWC	LED	3000	3500K	24W	277V	RECESSED	2X2' TROFFER
HEM	MARK ARCHITECTURAL LIGHTING	WINSPR 2X2 35K 80CRI 3000LM SWC	LED	3000	3500K	24W	277V	RECESSED	2X2' TROFFER
U	PHILIPS DAY-BRITE	FSX40LED35-UNV-DIM-FSTH	LED	4000	3500K	30W	277V	SURFACE	4' SURFACE MOUNTED UTILITY STRIP LIGHT FOR INDUSTRIAL SPACES
UEM	PHILIPS DAY-BRITE	FSX40LED35-UNV-DIM-FSTH	LED	4000	3500K	30W	277V	SURFACE	SIMILAR TO TYPE "U" FIXTURE, WIRE TO EMERGENCY LIGHTING CIRCUIT THROUGH BYPASS RELAY.
W	JLC-TECH	GIL-RAY-ARTISN-AM-SS-EM-ATTDIM-G-X	LED	2176	3500K	30W	277V	RECESSED	8" COVE WALL WASHER. LOCATE 24VDC POWER SUPPLY NEAR ACCESSIBLE CEILING. 1 POWER SUPPLY FOR (2)-4' FIXTURES



1 OVERALL FIRST FLOOR LIGHTING PLAN RCP
1/8" = 1'-0"

LIGHTING PLAN GENERAL NOTES

1. ALL INSTALLATIONS SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ALL APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE SUITABLE FOR ITS APPLICATION PER THE LISTING INSTRUCTIONS OF A NATIONALLY RECOGNIZED AND APPROVED TESTING LABORATORY.
3. THIS DRAWING SHOWS EQUIPMENT LOCATIONS ONLY. WIRING SHOWN IS SCHEMATIC IN NATURE. REFER TO RISERS, & DETAILS FOR ALL REQUIRED POWER & CONTROL WIRING. COORDINATE CONDUIT ROUTE IN FIELD WITH OTHER TRADES, EQUIPMENT & OWNER. VERIFY ALL MOUNTING HEIGHTS WITH OWNER & ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
4. UNLESS NOTED OTHERWISE, MINIMUM POWER WIRING SHALL BE 2-#10 & 1-#10 GND IN 3/4"C TO 20A-1P CIRCUIT BREAKER IN PANEL LISTED. MINIMUM CONTROL WIRING SHALL BE 2-#14 IN 3/4"C. ALL POWER WIRING OF CIRCUIT SHALL MATCH HOMERUN WIRING OF CIRCUIT.
5. REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE LOAD AND MOUNTING INFORMATION.
6. COORDINATE LUMINAIRE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.
7. COORDINATE LUMINAIRE LOCATIONS WITH OTHER TRADE'S DRAWINGS INVOLVED IN THE PROJECT. NOTIFY ARCHITECT AND ENGINEER OF RECORD IF ANY CONFLICTS BETWEEN LUMINARIES AND OTHER TRADE EQUIPMENT ARISE DURING CONSTRUCTION.
8. ALL EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE WIRED TO LOCAL LIGHTING BRANCH CIRCUIT AHEAD OF SWITCHING OR CONTROLS. HOMERUN & BRANCH CIRCUIT WIRING SHALL BE 2-#10 & 1-#10 GND IN 3/4"C. PROVIDE AN ALLOWANCE FOR PROVIDING (20) TWENTY ADDITIONAL EXIST SIGNS REQUIRED PER AHJ COMMENTS.
9. ALL EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE WIRED TO LIFE SAFETY BRANCH CIRCUIT. HOMERUN & BRANCH CIRCUIT WIRING SHALL BE 2-#10 & 1-#10 GND IN 3/4"C. PROVIDE AN ALLOWANCE FOR PROVIDING (20) TWENTY ADDITIONAL EXIST SIGNS REQUIRED PER AHJ COMMENTS.
10. ALL OCCUPANCY SENSORS REQUIRE POWER PACKS. ONLY ONE POWER PACK IS USED WHEN SENSORS ARE LINKED.
11. LIGHT FIXTURES SHOWN FULL SHADED SHALL BE EMERGENCY FIXTURES CIRCUITED UNSWITCHED AHEAD OF LOCAL LIGHTING CONTROLS AND SHALL SERVE AS NIGHT LIGHT.
12. LIGHT FIXTURES SHOWN HALF SHADED SHALL BE EMERGENCY FIXTURES CONTROLLED WITH LOCAL CONTROLS.
13. CONTRACTOR SHALL COORDINATE WITH SITE SPECIFIC LOCAL REQUIREMENTS FOR SEISMIC BRACING OF LUMINARIES AND CONDUITS.
14. ALL LIGHTING CONTROLS SHALL BE PROVIDED BY A SINGLE MANUFACTURER AND ALL CONTROLS SHALL BE COMPATIBLE WITH THE LIGHTING FIXTURES PROVIDED.
15. CONTRACTOR SHALL COORDINATE WITH LIGHTING CONTROL MANUFACTURER TO PROVIDE A COMPLETE & FUNCTIONING SYSTEM. ALL REQUIRED, POWER PACKS, INTERCONNECTION WIRING, & RELATED COMPONENTS. SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
16. CONTRACTOR SHALL COORDINATE DIMMING PROTOCOL (BASIS OF DESIGN: 0-10V) OF LIGHTING FIXTURES PROVIDED TO ENSURE COMPATIBILITY.
17. CONTRACTOR SHALL HAVE THEIR MANUFACTURER PROVIDE SHOP DRAWINGS WITH DETAILED INFORMATION SHOWING ALL REQUIRED LIGHTING CONTROL COMPONENTS AND INTERCONNECTIONS NECESSARY. THESE DRAWINGS WILL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AND ANY REQUIRED CHANGES WILL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER.
18. WALL SWITCH QUANTITY AND LOCATIONS HAVE BEEN NOTED ON THE LIGHTING PLANS. REFER TO LIGHTING CONTROLS SYMBOLS LEGEND FOR EACH TYPE OF SWITCH REQUIRED (DIMMING, KEYED, THREE-WAY, FOUR-WAY, OCCUPANCY SENSING, ETC.).

LIGHTING PLAN KEY NOTES

(ALL KEY NOTES MAY NOT BE INDICATED ON FLOOR PLAN)

1 SPACES WITH CEILING MOUNTED OCCUPANCY SENSOR CONTROL (CLASSROOM/LECTURE/TRAINING ROOMS, CONFERENCE/MEETING/MULTI-PURPOSE ROOMS, LOUNGES/BREAK ROOMS):

- PROVIDE POWER PACK CONTROLLER IN SPACE FOR LIGHTING CONTROLS. PROVIDE LINE VOLTAGE CONNECTION TO POWER PACK CONTROLLER FOR NORMAL LIGHTING.
- PROVIDE LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR WITH DUAL TECHNOLOGY SENSING. SENSOR SHALL BE SET UP TO REQUIRE MANUAL INPUT FOR ON OPERATION AND AUTOMATIC CONTROL FOR OFF OPERATION WITHIN 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE SPACE. QUANTITY AND PLACEMENT TO BE DETERMINED BY MANUFACTURER BASED ON ACTUAL DEVICES UTILIZED.
- PROVIDE LOW VOLTAGE DIMMING WALL SWITCH AT ENTRY DOOR. OCCUPANT SHALL BE ABLE TO MANUALLY TURN LIGHTING OFF.
- FOR ANY LIGHT FIXTURES LOCATED IN DAYLIGHT ZONES (REFER TO DAYLIGHT ZONE MAP), PROVIDE LOW VOLTAGE AUTOMATIC DIMMING DAYLIGHT SENSOR TO CONTROL THESE LIGHTS BASED ON THE PRESENCE OF DAYLIGHT. PROVIDE SEPARATE LOW VOLTAGE DIMMING SWITCH TO CONTROL THESE FIXTURES INDEPENDENTLY FROM THE NON-DAYLIGHT ZONE LIGHT FIXTURES. LOCATE SWITCH ADJACENT TO NORMAL LIGHT SWITCH UNDER SINGLE COVER PLATE. EACH DAYLIGHT ZONE WITHIN A SPACE SHALL BE CONTROLLED SEPARATELY.
- FOR EMERGENCY FIXTURES (EM) CONTROLLED WITH NORMAL LIGHTING AND NOT INTENDED TO BE ON 24/7, PROVIDE EMERGENCY LIGHTING BRANCH CIRCUIT WIRED THROUGH UL 924 COMPLIANT POWER PACK OR RELAY TO FORCE LIGHTING TO FULL OUTPUT ONCE POWER PACK SENSES A LOSS OF NORMAL POWER.
- FOR EMERGENCY FIXTURES INTENDED TO BE ON 24/7 (SHOW FULL SHADED), FIXTURES SHALL BYPASS ANY LOCAL LIGHTING CONTROLS.
- CONNECT LIGHT FIXTURE CONTROLS AND LOW VOLTAGE SWITCHES AND SENSORS TO POWER PACK CONTROLLERS.

2 SPACES WITH NO AUTOMATIC LIGHTING CONTROL (ELECTRICAL ROOMS,MECHANICAL ROOMS, STAIRWAYS, PUBLIC CORRIDORS, PRIMARY ENTRANCE AREAS) WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY OR SECURITY AND NO LIGHT REDUCTION CONTROL IS PROVIDED;

- PROVIDE MANUAL ON/OFF CONTROL AT ENTRY TO SPACE.
- FOR EMERGENCY FIXTURES (EM) CONTROLLED WITH NORMAL LIGHTING AND NOT INTENDED TO BE ON 24/7, PROVIDE EMERGENCY LIGHTING BRANCH CIRCUIT WIRED THROUGH UL 924 COMPLIANT POWER PACK OR RELAY TO FORCE LIGHTING TO FULL OUTPUT ONCE POWER PACK SENSES A LOSS OF NORMAL POWER.
- FOR EMERGENCY FIXTURES INTENDED TO BE ON 24/7 (DESIGNATED WITH AN NL SUBSCRIPT), FIXTURES SHALL BYPASS ANY LOCAL LIGHTING CONTROLS.

3 SEE LIGHTING CONTROL DETAILS ON SHEET E601 FOR MORE INFORMATION

4 PROVIDE DAYLIGHT CONTROLS FOR ALL LIGHTING FIXTURES SHOWN WITH SUBSCRIPT 'dn'. REFER TO LIGHTING PLAN FOR REQUIRED CONTROLS.

5 LIGHTING CONTROL PANEL. REFER TO LIGHTING CONTROL DETAILS ON E601.

6 AREA NOT IN SCOPE

7 PROVIDE LIGHTING HUNG FROM BOTTOM OF STAIRS.

8 CONTRACTOR TO USE EXISTING 20A/ 1P CIRCUIT PREVIOUSLY DEDICATED FOR LIGHTING

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

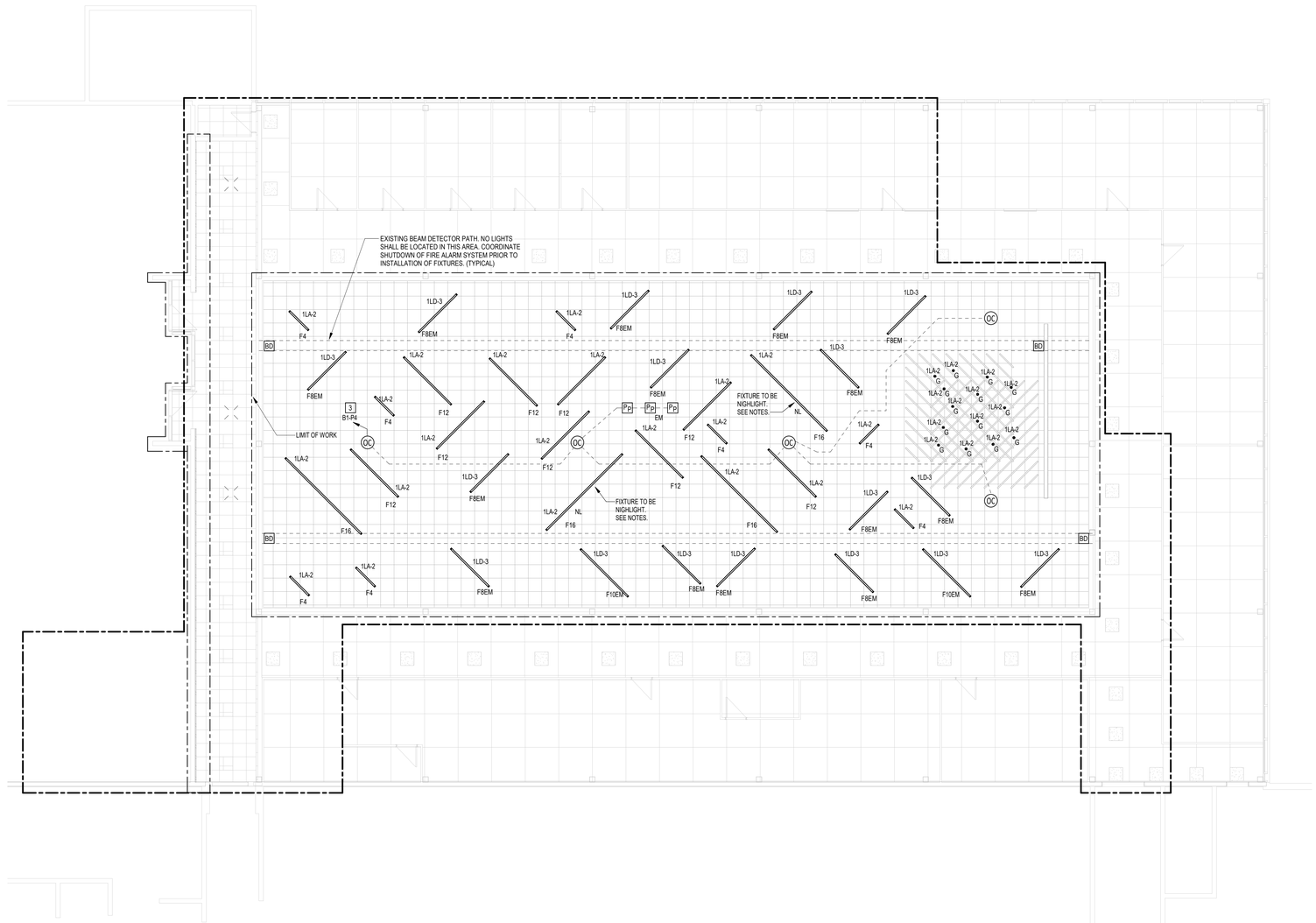
Designed:	BP
Drawn:	BP
Reviewed:	BP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
OVERALL FIRST FLOOR ELECTRICAL LIGHTING PLAN

Sheet No.
E102.1

2/13/2025 5:08:12 PM C:\Users\BpoeltlDocuments\2400014_Flanagan Commons_MEP_R24_Central_bpoeltl.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERALL SECOND FLOOR LIGHTING PLAN RCP
1/8" = 1'-0"

LIGHTING PLAN GENERAL NOTES

1. ALL INSTALLATIONS SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ALL APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE SUITABLE FOR ITS APPLICATION PER THE LISTING INSTRUCTIONS OF A NATIONALLY RECOGNIZED AND APPROVED TESTING LABORATORY.
3. THIS DRAWING SHOWS EQUIPMENT LOCATIONS ONLY. WIRING SHOWN IS SCHEMATIC IN NATURE. REFER TO RISERS, & DETAILS FOR ALL REQUIRED POWER & CONTROL WIRING. COORDINATE CONDUIT ROUTE IN FIELD WITH OTHER TRADES, EQUIPMENT & OWNER. VERIFY ALL MOUNTING HEIGHTS WITH OWNER & ARCHITECTURAL PLANS PRIOR TO INSTALLATION.
4. UNLESS NOTED OTHERWISE, MINIMUM POWER WIRING SHALL BE 2-#10 & 1-#10 GND IN 3/4"C TO 20A-1P CIRCUIT BREAKER IN PANEL LISTED. MINIMUM CONTROL WIRING SHALL BE 2-#14 IN 3/4"C. ALL POWER WIRING OF CIRCUIT SHALL MATCH HOMERUN WIRING OF CIRCUIT.
5. REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE LOAD AND MOUNTING INFORMATION.
6. COORDINATE LUMINAIRE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.
7. COORDINATE LUMINAIRE LOCATIONS WITH OTHER TRADE'S DRAWINGS INVOLVED IN THE PROJECT. NOTIFY ARCHITECT AND ENGINEER OF RECORD IF ANY CONFLICTS BETWEEN LUMINARIES AND OTHER TRADE EQUIPMENT ARISE DURING CONSTRUCTION.
8. ALL EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE WIRED TO LOCAL LIGHTING BRANCH CIRCUIT AHEAD OF SWITCHING OR CONTROLS. HOMERUN & BRANCH CIRCUIT WIRING SHALL BE 2-#10 & 1-#10 GND IN 3/4"C. PROVIDE AN ALLOWANCE FOR PROVIDING (20) TWENTY ADDITIONAL EXIST SIGNS REQUIRED PER AHJ COMMENTS.
9. ALL EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE WIRED TO LIFE SAFETY BRANCH CIRCUIT. HOMERUN & BRANCH CIRCUIT WIRING SHALL BE 2-#10 & 1-#10 GND IN 3/4"C. PROVIDE AN ALLOWANCE FOR PROVIDING (20) TWENTY ADDITIONAL EXIST SIGNS REQUIRED PER AHJ COMMENTS.
10. ALL OCCUPANCY SENSORS REQUIRE POWER PACKS. ONLY ONE POWER PACK IS USED WHEN SENSORS ARE LINKED.
11. LIGHT FIXTURES SHOWN FULL SHADED SHALL BE EMERGENCY FIXTURES CIRCUITED UNSWITCHED AHEAD OF LOCAL LIGHTING CONTROLS AND SHALL SERVE AS NIGHT LIGHT.
12. LIGHT FIXTURES SHOWN HALF SHADED SHALL BE EMERGENCY FIXTURES CONTROLLED WITH LOCAL CONTROLS.
13. CONTRACTOR SHALL COORDINATE WITH SITE SPECIFIC LOCAL REQUIREMENTS FOR SEISMIC BRACING OF LUMINARIES AND CONDUITS.
14. ALL LIGHTING CONTROLS SHALL BE PROVIDED BY A SINGLE MANUFACTURER AND ALL CONTROLS SHALL BE COMPATIBLE WITH THE LIGHTING FIXTURES PROVIDED.
15. CONTRACTOR SHALL COORDINATE WITH LIGHTING CONTROL MANUFACTURER TO PROVIDE A COMPLETE & FUNCTIONING SYSTEM. ALL REQUIRED, POWER PACKS, INTERCONNECTION WIRING, & RELATED COMPONENTS. SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
16. CONTRACTOR SHALL COORDINATE DIMMING PROTOCOL (BASIS OF DESIGN: 0-10V) OF LIGHTING FIXTURES PROVIDED TO ENSURE COMPATIBILITY.
17. CONTRACTOR SHALL HAVE THEIR MANUFACTURER PROVIDE SHOP DRAWINGS WITH DETAILED INFORMATION SHOWING ALL REQUIRED LIGHTING CONTROL COMPONENTS AND INTERCONNECTIONS NECESSARY. THESE DRAWINGS WILL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AND ANY REQUIRED CHANGES WILL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER.
18. WALL SWITCH QUANTITY AND LOCATIONS HAVE BEEN NOTED ON THE LIGHTING PLANS. REFER TO LIGHTING CONTROLS SYMBOLS LEGEND FOR EACH TYPE OF SWITCH REQUIRED (DIMMING, KEYED, THREE-WAY, FOUR-WAY, OCCUPANCY SENSING, ETC.).

LIGHTING PLAN KEY NOTES

(ALL KEY NOTES MAY NOT BE INDICATED ON FLOOR PLAN)

1 SPACES WITH CEILING MOUNTED OCCUPANCY SENSOR CONTROL (CLASSROOM/LECTURE/TRAINING ROOMS, CONFERENCE/MEETING/MULTI-PURPOSE ROOMS, LOUNGES/BREAK ROOMS);

- PROVIDE POWER PACK CONTROLLER IN SPACE FOR LIGHTING CONTROLS. PROVIDE LINE VOLTAGE CONNECTION TO POWER PACK CONTROLLER FOR NORMAL LIGHTING.
- PROVIDE LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR WITH DUAL TECHNOLOGY SENSING. SENSOR SHALL BE SET UP TO REQUIRE MANUAL INPUT FOR ON OPERATION AND AUTOMATIC CONTROL FOR OFF OPERATION WITHIN 20 MINUTES AFTER ALL OCCUPANTS HAVE LEFT THE SPACE. QUANTITY AND PLACEMENT TO BE DETERMINED BY MANUFACTURER BASED ON ACTUAL DEVICES UTILIZED.
- PROVIDE LOW VOLTAGE DIMMING WALL SWITCH AT ENTRY DOOR. OCCUPANT SHALL BE ABLE TO MANUALLY TURN LIGHTING OFF.
- FOR ANY LIGHT FIXTURES LOCATED IN DAYLIGHT ZONES (REFER TO DAYLIGHT ZONE MAP), PROVIDE LOW VOLTAGE AUTOMATIC DIMMING DAYLIGHT SENSOR TO CONTROL THESE LIGHTS BASED ON THE PRESENCE OF DAYLIGHT. PROVIDE SEPARATE LOW VOLTAGE DIMMING SWITCH TO CONTROL THESE FIXTURES INDEPENDENTLY FROM THE NON-DAYLIGHT ZONE LIGHT FIXTURES. LOCATE SWITCH ADJACENT TO NORMAL LIGHT SWITCH UNDER SINGLE COVER PLATE. EACH DAYLIGHT ZONE WITHIN A SPACE SHALL BE CONTROLLED SEPARATELY.
- FOR EMERGENCY FIXTURES (EM) CONTROLLED WITH NORMAL LIGHTING AND NOT INTENDED TO BE ON 24/7, PROVIDE EMERGENCY LIGHTING BRANCH CIRCUIT WIRED THROUGH UL 924 COMPLIANT POWER PACK OR RELAY TO FORCE LIGHTING TO FULL OUTPUT ONCE POWER PACK SENSES A LOSS OF NORMAL POWER.
- FOR EMERGENCY FIXTURES INTENDED TO BE ON 24/7 (SHOW FULL SHADED), FIXTURES SHALL BYPASS ANY LOCAL LIGHTING CONTROLS.
- CONNECT LIGHT FIXTURE CONTROLS AND LOW VOLTAGE SWITCHES AND SENSORS TO POWER PACK CONTROLLERS.

2 SPACES WITH NO AUTOMATIC LIGHTING CONTROL (ELECTRICAL ROOMS,MECHANICAL ROOMS, STAIRWAYS, PUBLIC CORRIDORS, PRIMARY ENTRANCE AREAS) WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY OR SECURITY AND NO LIGHT REDUCTION CONTROL IS PROVIDED;

- PROVIDE MANUAL ON/OFF CONTROL AT ENTRY TO SPACE.
- FOR EMERGENCY FIXTURES (EM) CONTROLLED WITH NORMAL LIGHTING AND NOT INTENDED TO BE ON 24/7, PROVIDE EMERGENCY LIGHTING BRANCH CIRCUIT WIRED THROUGH UL 924 COMPLIANT POWER PACK OR RELAY TO FORCE LIGHTING TO FULL OUTPUT ONCE POWER PACK SENSES A LOSS OF NORMAL POWER.
- FOR EMERGENCY FIXTURES INTENDED TO BE ON 24/7 (DESIGNATED WITH AN NL SUBSCRIPT), FIXTURES SHALL BYPASS ANY LOCAL LIGHTING CONTROLS.

3 SEE LIGHTING CONTROL DETAILS ON SHEET E601 FOR MORE INFORMATION

4 PROVIDE DAYLIGHT CONTROLS FOR ALL LIGHTING FIXTURES SHOWN WITH SUBSCRIPT 'dh'. REFER TO LIGHTING PLAN FOR REQUIRED CONTROLS.

5 LIGHTING CONTROL PANEL. REFER TO LIGHTING CONTROL DETAILS ON E601.

6 AREA NOT IN SCOPE

7 PROVIDE LIGHTING HUNG FROM BOTTOM OF STAIRS.

8 CONTRACTOR TO USE EXISTING 20A/ 1P CIRCUIT PREVIOUSLY DEDICATED FOR LIGHTING

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

NO	DESCRIPTION	DATE
REVISIONS		

Designed:	BP
Drawn:	BP
Reviewed:	BP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
OVERALL SECOND FLOOR ELECTRICAL LIGHTING PLAN

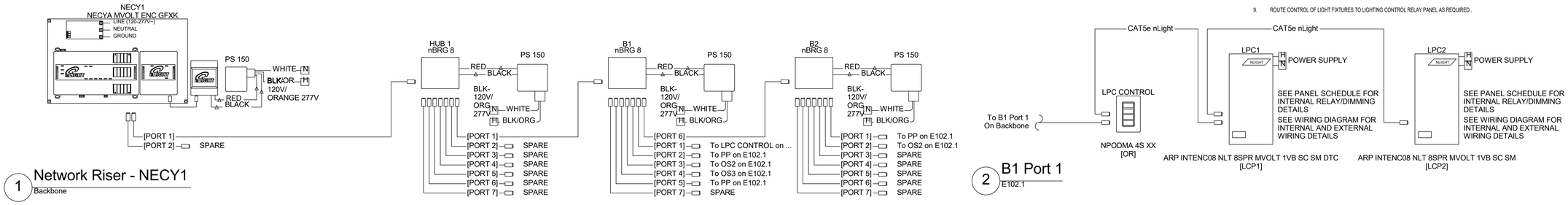
Sheet No.
E102.2

2/13/2025 5:08:13 PM C:\Users\BpoellI\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpoellI.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

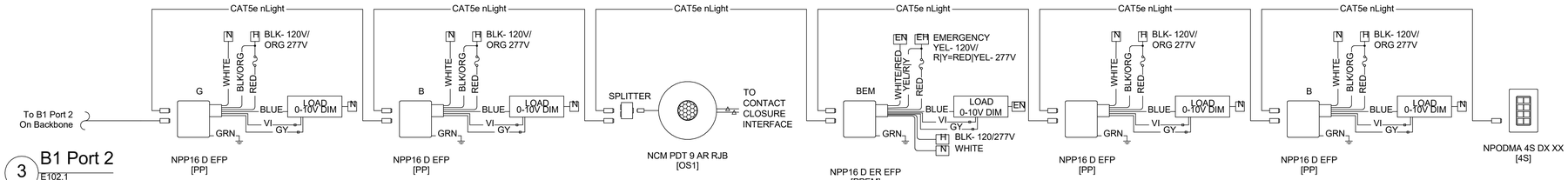
LIGHTING CONTROL GENERAL NOTES:

1. COORDINATE ELECTRICAL REQUIREMENTS OF ALL OWNER PROVIDED EQUIPMENT WITH ACTUAL EQUIPMENT PRIOR TO INSTALLATION.
2. THIS DESIGN ASSUMES A LOW VOLTAGE LIGHTING AND LINE VOLTAGE CONTROLS SYSTEMS (UTILITY AREAS ONLY) ARE PROVIDED.
3. ALL LIGHTING CONTROLS SHALL BE PROVIDED BY A SINGLE MANUFACTURER AND ALL CONTROLS SHALL BE COMPATIBLE WITH THE LIGHTING FIXTURES PROVIDED.
4. CONTRACTOR SHALL COORDINATE WITH LIGHTING CONTROL MANUFACTURER TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM. ALL REQUIRED, POWER PACKS, INTERCONNECTION WIRING, ETC. SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL COORDINATE DIMMING PROTOCOL (0-10V, DALI, PHASE DIMMING, ETC.) OF LIGHTING FIXTURES PROVIDED WITH LIGHTING CONTROLS VENDOR TO ENSURE COMPATIBILITY.
6. LIGHTING CONTROL'S VENDOR WILL ENSURE THAT THEIR BEST SENSING PROTOCOL (ULTRASONIC, INFRARED, MICROWAVE, ETC.) AND EITHER SINGLE OR DUAL TECHNOLOGY DEVICES ARE PROVIDED FOR EACH SPACE TYPE.
7. CONTRACTOR SHALL HAVE LIGHTING VENDOR PROVIDE SHOP DRAWINGS WITH DETAILED INFORMATION SHOWING ALL REQUIRED LIGHTING CONTROL COMPONENTS AND INTERCONNECTIONS NECESSARY FOR THEIR SYSTEM TO FUNCTION AS DESCRIBED IN KEYNOTES BELOW. THESE DRAWING WILL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AND ANY REQUIRED CHANGES WILL BE CORRECT AT NO ADDITIONAL COST TO THE OWNER.
8. WALL SWITCH QUANTITY AND LOCATIONS HAVE BEEN NOTED ON THE LIGHTING PLANS. REFER TO LIGHTING CONTROLS SYMBOLS LEGEND FOR EACH TYPE OF SWITCH REQUIRED (DIMMING, KEYED, THREE-WAY, FOUR-WAY, OCCUPANCY SENSING, ETC.).
9. ROUTE CONTROL OF LIGHT FIXTURES TO LIGHTING CONTROL RELAY PANEL AS REQUIRED..

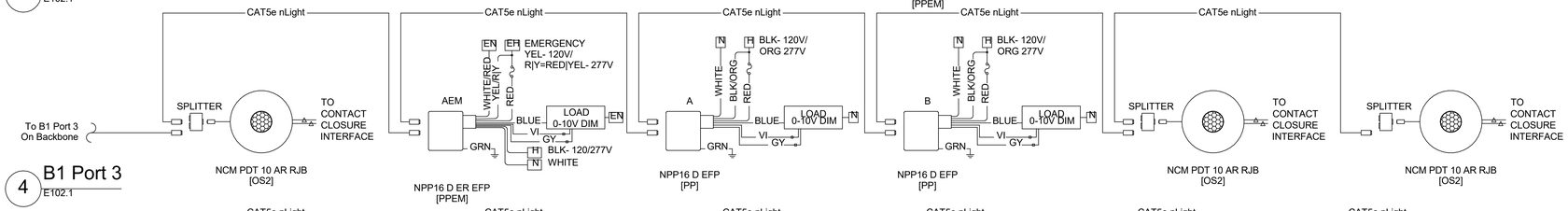


1 Network Riser - NECY1
Backbone

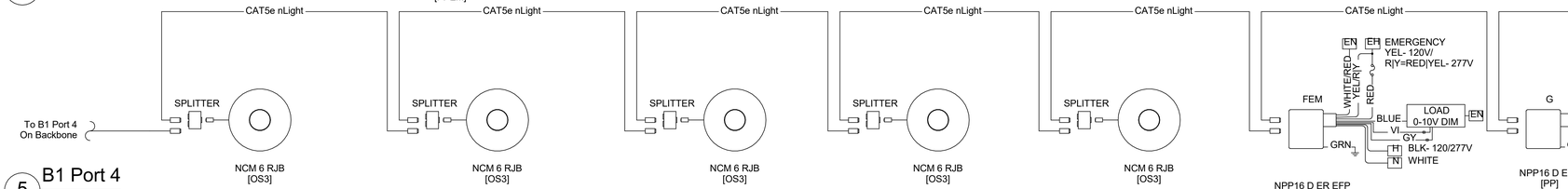
2 B1 Port 1
E102.1



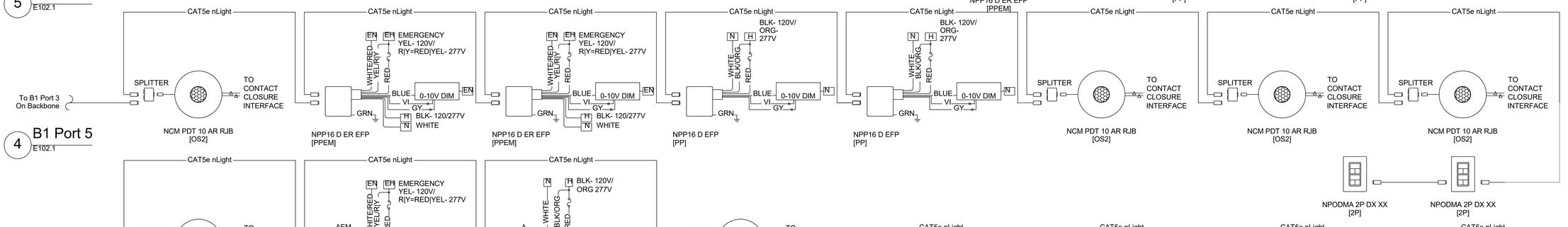
3 B1 Port 2
E102.1



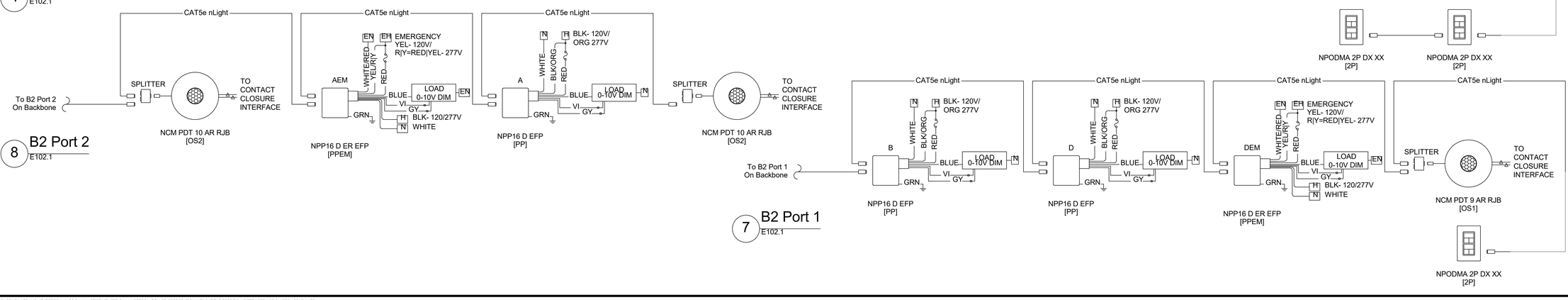
4 B1 Port 3
E102.1



5 B1 Port 4
E102.1



4 B1 Port 5
E102.1



8 B2 Port 2
E102.1

7 B2 Port 1
E102.1

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

NO	DATE	DESCRIPTION
REVISIONS		

Designed:	BP
Drawn:	BP
Reviewed:	BP
Project No.:	2400014
Date:	02/14/2025
Issued for:	BID

Title:
LIGHTING CONTROLS

Sheet No.
E601

2/13/2025 5:08:14 PM C:\Users\Bpeitl\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpeitl.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

PANEL: 1A

LOCATION: ELECTRICAL ROOM 1215 | **VOLTAGE:** 120/208V | **A.I.C. RATING:** EXISTING
SUPPLY FROM: T1 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MAINS RATING:** 125 A
ENCLOSURE: TYPE 1

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	2
3	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	4
5	EXISTING	30 A	1					0.00	0.00	1	30 A	EXISTING	6
7	EXISTING	20 A	1	0.00	0.00					1	30 A	EXISTING	8
9	EXISTING	30 A	1			0.00	0.00			1	30 A	EXISTING	10
11	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	12
13	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	14
15	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	16
17	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	18
19	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	20
21	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	22
23	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	24
25	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	26
27	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	28
29	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	30
31	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	32
33	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	34
35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36
37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38
39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40
41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42
		TOTAL LOAD:		0.00 kVA		0.00 kVA		0.00 kVA					
		TOTAL AMPS:		0 A		0 A		0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 kVA
				TOTAL EST. DEMAND LOAD: 0 kVA
				TOTAL CONNECTED AMPS: 0 A
				TOTAL EST. DEMAND AMPS: 0 A

NOTES:

PANEL: 1B1

LOCATION: OFFICE OF STUDENT LIFE 1312 | **VOLTAGE:** 120/208V | **A.I.C. RATING:** EXISTING
SUPPLY FROM: T2 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MAINS RATING:** 70 A
ENCLOSURE: TYPE 1

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				0.00	--					1	--	NO ACCESS	2
3	MAIN	70 A	3			0.00	--			1	--	NO ACCESS	4
5								0.00	--	1	--	NO ACCESS	6
7	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	8
9	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	10
11	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	12
13	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	14
15	EXISTING	20 A	1			0.00	0.00			2	30 A	EXISTING	16
17	EXISTING	20 A	1					0.00	0.00				18
19	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	20
21	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	22
23	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	24
		TOTAL LOAD:		0.00 kVA		0.00 kVA		0.00 kVA					
		TOTAL AMPS:		0 A		0 A		0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 kVA
				TOTAL EST. DEMAND LOAD: 0 kVA
				TOTAL CONNECTED AMPS: 0 A
				TOTAL EST. DEMAND AMPS: 0 A

NOTES:

PANEL: 1LD

LOCATION: STORAGE ROOM 1111 | **VOLTAGE:** 480/277V | **A.I.C. RATING:** EXISTING
SUPPLY FROM: | **PHASES:** 3 | **MAINS TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4 | **BUS RATING:** 100 A
ENCLOSURE: TYPE 1

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	1ST FLOOR EM LIGHTING (NEW)	20 A	1	0.42	0.00					1	20 A	EXISTING LIGHTING	2
3	2ND FLOOR EM LIGHTING (NEW)	20 A	1			1.39	0.00			1	20 A	EXISTING LIGHTING	4
5	EXISTING LIGHTING	20 A	1					0.00	0.00				6
7	EXISTING LIGHTING	20 A	1	0.00	0.00					3	30 A	EXISTING (PANEL ILH)	8
9	EXISTING LIGHTING	20 A	1			0.00	0.00						10
11													12
		TOTAL LOAD:		0.42 kVA		1.39 kVA		0.00 kVA					
		TOTAL AMPS:		2 A		5 A		0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LIGHTING	423 VA	125%	529 VA	**TOTAL CONNECTED LOAD:** 2 kVA
Other	190 VA	100%	190 VA	**TOTAL EST. DEMAND LOAD:** 2 kVA
Power	1,200 VA	100%	1,200 VA	**TOTAL CONNECTED AMPS:** 2 A
				TOTAL EST. DEMAND AMPS: 2 A

NOTES:

PANEL: 1A1

LOCATION: STORAGE ROOM 1111 | **VOLTAGE:** 120/208V | **A.I.C. RATING:** EXISTING
SUPPLY FROM: T1 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MAINS RATING:** 90 A
ENCLOSURE: TYPE 1

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				0.00	--					1	--	NO ACCESS	2
3	MAIN	90 A	3			0.00	--			1	--	NO ACCESS	4
5								0.00	--	1	--	NO ACCESS	6
7	EXISTING	50 A	2	0.00	0.00					2	20 A	EXISTING	8
9						0.00	0.00						10
11	EXISTING	20 A	2					0.00	0.00	2	20 A	EXISTING	12
13				0.00	0.00								14
15	USB COUNTER - ENTRANCE CAFE (NEW)	20 A	1			1.08	0.00			1	20 A	EXISTING	16
17	VEND. MACHINE - MAIN DINING (NOTE#1) (NEW)	20 A	1					1.00	1.00	1	20 A	VEND. MACHINE - MAIN DINING (NOTE#1) (NEW)	18
19	VEND. MACHINE - MAIN DINING (NOTE#1) (NEW)	20 A	1	1.00	1.00					1	20 A	VEND. MACHINE - MAIN DINING (NOTE#1) (NEW)	20
21	MICROWAVE - MAIN DINING HALL (NEW)	20 A	1			1.50	1.50			1	20 A	MICROWAVE - MAIN DINING HALL (NEW)	22
23	RECPT - ENTRANCE CAFE (NEW)	20 A	1					1.09	0.54	1	20 A	RECPT - MAIN DINING HALL (NEW)	24
25	PARTITIONS (NEW)	20 A	1	0.38	0.00					1	20 A	EXISTING	26
27	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	28
29	EXISTING	30 A	2					0.00	0.00	1	20 A	EXISTING	30
31				0.00	0.00					2	50 A	EXISTING	32
33	EXISTING	30 A	2			0.00	0.00						34
35								0.00	0.72	1	20 A	RECPT - DINING HALL TABLES (NEW)	36
		TOTAL LOAD:		2.38 kVA		4.08 kVA		4.35 kVA					
		TOTAL AMPS:		20 A		36 A		38 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
HVAC	384 VA	100%	384 VA	**TOTAL CONNECTED LOAD:** 11 kVA
RECEPTACLES	10,430 VA	97.94%	10,215 VA	**TOTAL EST. DEMAND LOAD:** 11 kVA
				TOTAL CONNECTED AMPS: 30 A
				TOTAL EST. DEMAND AMPS: 29 A

NOTES:
1. PROVIDE CLASS A GFI CIRCUIT BREAKER

PANEL: 1LA

LOCATION: ELECTRICAL ROOM 1215 | **VOLTAGE:** 480/277V | **A.I.C. RATING:** EXISTING
SUPPLY FROM: | **PHASES:** 3 | **MAINS TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4 | **BUS RATING:** 225 A
ENCLOSURE: TYPE 1

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	1ST FLOOR NORMAL LIGHTING (NEW)	20 A	1	0.66	1.78					1	20 A	2ND FLOOR NORMAL LIGHTING (NEW)	2
3	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	4
5	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	6
7	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	8
9	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	10
11	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	12
13	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	14
15	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	16
17	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	18
19	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	20
21	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	22
23								0.00	2.38				24
25	SPARE	20 A	3	0.00	4.08					3	100 A	TRANSFORMER T1	26
27						0.00	4.35						28
		TOTAL LOAD:		6.49 kVA		4.35 kVA		2.38 kVA					
		TOTAL AMPS:		25 A		17 A		9 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
HVAC	384 VA	100%	384 VA	**TOTAL CONNECTED LOAD:** 13 kVA
LIGHTING	612 VA	125%	765 VA	**TOTAL EST. DEMAND LOAD:** 13 kVA
Other	128 VA	100%	128 VA	**TOTAL CONNECTED AMPS:** 16 A
RECEPTACLES	10,430 VA	97.94%	10,215 VA	**TOTAL EST. DEMAND AMPS:** 16 A
Power	1,700 VA	100%	1,700 VA	

NOTES:

PANEL: 1B

LOCATION: ELECTRICAL ROOM 1428 | **VOLTAGE:** 120/208V | **A.I.C. RATING:** EXISTING
SUPPLY FROM: T2 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MAINS RATING:** 125 A
ENCLOSURE: TYPE 1

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	2
3	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	4
5	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	6
7	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	8
9	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	10
11	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	12
13	EXISTING	30 A	1	0.00	0.00					1	20 A	EXISTING	14
15	EXISTING	30 A	1			0.00	0.00			1	20 A	EXISTING	16
17	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	18
19	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	20
21	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	22
23	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	24
25	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	26
27	EXISTING	20 A	1			0.00	0.00			2	30 A	EXISTING	28
29	EXISTING	20 A	1					0.00	0.00				30
31	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	32
33	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	34
35	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	36
37	EXISTING	20 A	1	0.00	2.29					2	40 A	CU-1 / AC-1 (PROVIDE POWER FROM OUTDOOR UNIT TO INDOOR) (NOTE#1)	38
39	EXISTING	20 A	1			0.00	2.29						40
41	EXISTING	20 A	1					0.00	0.18	1	20 A	ROOF RECPT	42
		TOTAL LOAD:		2.29 kVA		2.29 kVA		0.18 kVA					
		TOTAL AMPS:		22 A		22 A		2 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
RECEPTACLES	180 VA	100%	180 VA	**TOTAL CONNECTED LOAD:** 5 kVA
Power	4,576 VA	100%	4,576 VA	**TOTAL EST. DEMAND LOAD:** 5 kVA
				TOTAL CONNECTED AMPS: 13 A
				TOTAL EST. DEMAND AMPS: 13 A

NOTES:
#1 - REMOVE EXISTING 60A/3P BREAKER AND PROVIDE NEW 40A/3P BREAKER IN...
REMOVE EXISTING 60A RECEPTACLE ADJACENT TO PANEL.

PANEL: 1LB

LOCATION: | **VOLTAGE:** 480/277V | **A.I.C. RATING:** EXISTING
SUPPLY FROM: | **PHASES:** 3 | **MAINS TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4 | **BUS RATING:** 225 A
ENCLOSURE: TYPE 1

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	2
3	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	4
5	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	6
7	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	8
9	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	10
11	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	12
13	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	14
15	EXISTING	20 A	1			0.00	0.00			1	20 A	EXISTING	16
17	EXISTING	20 A	1					0.00	0.00	1	20 A	EXISTING	18
19	EXISTING	20 A	1	0.00	0.00					1	20 A	EXISTING	20
21	EXISTING	20 A	1			0.00	1.36			1	20 A	1ST FLOOR NORMAL LIGHTING (NEW)	22
23	SPACE	--	1					--	--	1	--	SPACE	24
25				0.00	2.29								26
27	SPARE	20 A	3			0.00	2.29			3	100 A	TRANSFORMER T2	28
29								0.00	0.18				30
		TOTAL LOAD:		2.29 kVA		3.62 kVA		0.18 kVA					
		TOTAL AMPS:		9 A		14 A		1 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LIGHTING	1,143 VA	125%	1,429 VA	**TOTAL CONNECTED LOAD:** 6 kVA
Other	228 VA	100%	228 VA	**TOTAL EST. DEMAND LOAD:** 6 kVA
RECEPTACLES	180 VA	100%	180 VA	**TOTAL CONNECTED AMPS:** 7 A
Power	4,576 VA	100%	4,576 VA	**TOTAL EST. DEMAND AMPS:** 8 A

NOTES:

PANEL: 1LE

LOCATION: | **VOLTAGE:** 480/277V | **A.I.C. RATING:** EXISTING
SUPPLY FROM: | **PHASES:** 3 | **MAINS TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4 | **BUS RATING:** 100 A
ENCLOSURE: TYPE 1

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EXISTING	20 A	1	0.00	0.72					1	20 A	1ST FLOOR EM LIGHTING (NEW)	2
3	EXISTING	20 A	1			0.00	0.00			1	20 A	SPARE	4
5	EXISTING	20 A	1					0.00	0.00	1	20 A	SPARE	6
7	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	8
9	SPARE	20 A	1			0.00	0.00			3	30 A	EXISTING PANEL ILJ	10
11	SPARE	20 A	1					0.00	0.00				12
		TOTAL LOAD:		0.72 kVA		0.00 kVA		0.00 kVA					
		TOTAL AMPS:		3 A		0 A		0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LIGHTING	504 VA	125%	630 VA	**TOTAL CONNECTED LOAD:** 1 kVA
Other	228 VA	100%	228 VA	**TOTAL EST. DEMAND LOAD:** 1 kVA
				TOTAL CONNECTED AMPS: 1 A
				TOTAL EST. DEMAND AMPS: 1 A

NOTES:

PANEL: AV

(NEW PANELBOARD)

LOCATION: AV CLOSET 103 | **VOLTAGE:** 120/208V | **A.I.C. RATING:** 10KAIC
SUPPLY FROM: CP3M (CLEAN POWER) | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MAINS RATING:** 100 A
ENCLOSURE: TYPE 1

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECPT - AV ROOM	20 A	1	0.36	0.38					1	20 A	ILLUMINATED SIGNAGE 2ND FL	2
3	RECPT - AV ROOM	20 A	1			0.36	0.54			1	20 A	RECPT - 2ND FL DISPLAYS (ALT#1 AND ALT#2)	4
5	ILLUMINATED SIGNAGE 2ND FL	20 A	1					0.38					6
7	RECPT - LED WALL	20 A	1	0.88	0.88					1	20 A	RECPT - LED WALL	8
9	RECPT - 2ND FL DISPLAYS (ALT#1 AND ALT#2)	20 A	1			0.72	2.00			2	30 A	L6-30R - AV ROOM	10
11	RECPT - PODIUM	20 A	1					0.18	2.00				12
13	RECPT - STUDENT LOUNGE	20 A	1	1.08	0.88					1	20 A	RECPT - LED WALL	14
15	RECPT - LED WALL	20 A	1			0.88	0.88			1	20 A	RECPT - LED WALL	16
17	RECPT - LED WALL	20 A	1					0.88	0.88	1	20 A	RECPT - LED WALL	18
19	RECPT - LED WALL	20 A	1	0.88	0.00					1	20 A	SPARE	20
21	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	22
23	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	24
25	SPARE	20 A	1	0.00	--					1	--	SPACE	26
27	SPACE	--	1			--	--			1	--	SPACE	28
29	SPACE	--	1					--	--	1	--	SPACE	30
31	SPACE	--	1	--	--					1	--	SPACE	32
33	SPACE	--	1			--	--			1	--	SPACE	34
35	SPACE	--	1					--	--	1	--	SPACE	36
37	SPACE	--	1	--	--					1	--	SPACE	38
39	SPACE	--	1			--	--			1	--	SPACE	40
41	SPACE	--	1					--	--	1	--	SPACE	42
		TOTAL LOAD:		5.34 kVA		5.38 kVA		4.32 kVA					
		TOTAL AMPS:		46 A		46 A		36 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
RECEPTACLES	10,280 VA	98.64%	10,140 VA	**TOTAL CONNECTED LOAD:** 15 kVA
AV RACK POWER	4,000 VA	100%	4,000 VA	**TOTAL EST. DEMAND LOAD:** 15 kVA
SIGNAGE	768 VA	100%	768 VA	**TOTAL CONNECTED AMPS:** 42 A
				TOTAL EST. DEMAND AMPS: 41 A

NOTES:

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS
NO | DATE | DESCRIPTION

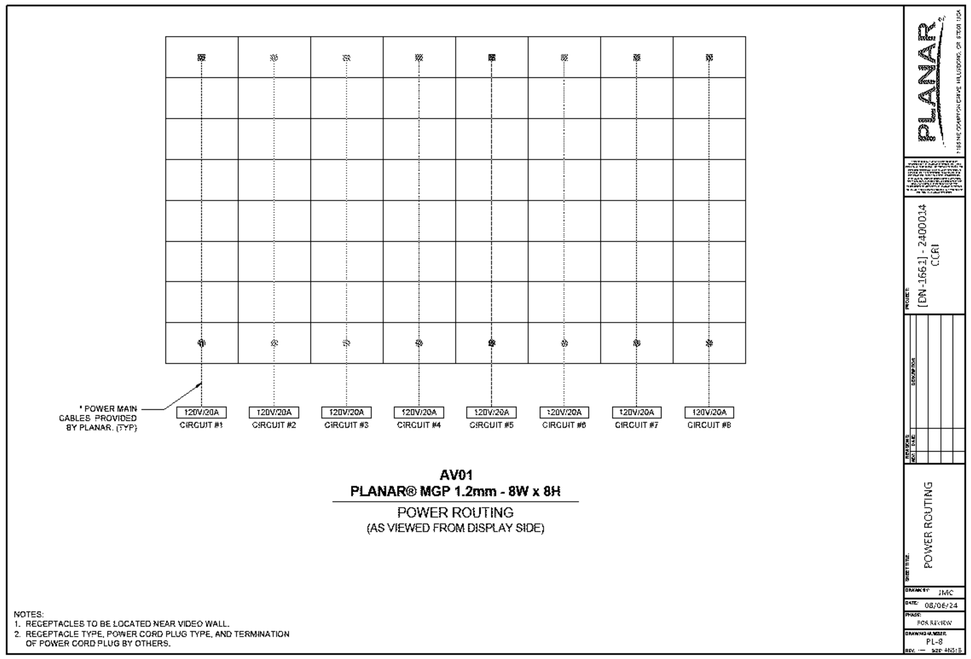
Designed: BP
Drawn: BP
Reviewed: BP
Project No.: 2400014
Date: 02/14/2025
Issued for: BID

Title:
ELECTRICAL PANELBOARD SCHEDULES

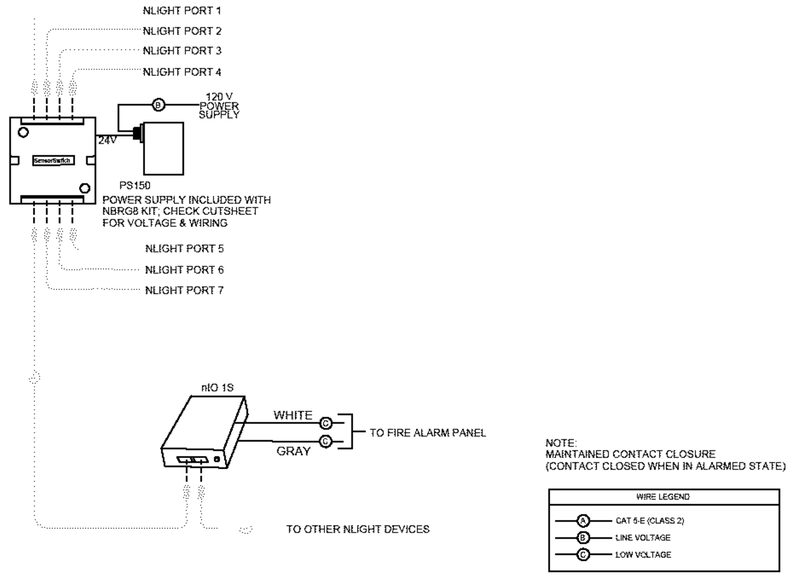
Sheet No.
E603

2/13/2025 5:08:15 PM C:\Users\Bpotelli\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpotelli.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 LED WALL POWER DETAIL
NOT TO SCALE



2 LIGHTING CONTROLS CONNECTION TO FIRE ALARM PANEL
NOT TO SCALE

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1762 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed: BP
Drawn: BP
Reviewed: BP
Project No.: 2400014
Date: 02/14/2025
Issued for:
BID

Title:
ELECTRICAL DETAILS

Sheet No.
E604

2/13/2025 5:08:16 PM C:\Users\Bpoelt\Documents\2400014_Flanagan Commons_MEP_R24_Central_bpoelt.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

PUBLIC ADDRESS & SENSOR SYMBOL LEGEND

SYMBOL	DESCRIPTION
S	PUBLIC ADDRESS SPEAKER
M	MOTION SENSOR

DEVICE TAG LEGEND

ETR	EXISTING TO REMAIN
NL	NEW LOCATION OF RELOCATED EXISTING DEVICE
RL	EXISTING DEVICE TO BE RELOCATED

COMMUNICATION CABLING INFRASTRUCTURE

REFER TO SPECIFICATION SECTION 27 1000 FOR DEVICES & APPROVED MANUFACTURERS

		OUTLET BOX & CONDUIT SIZES PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR							CABLE & TERMINATION PROVIDED & INSTALLED BY LOW VOLTAGE CONTRACTOR								
SYMBOL	DESCRIPTION	MOUNTING AFF UNLESS OTHERWISE NOTED	1 G - 2-1/2" DP	4 x 4" x 2-1/8" DP	1G DEVICE RING	1" C	CHIEF #PACS25FCW	LEGRAND #EFSB4	CAT6A PLENUM CABLE	8P8C (RJ45) JACK - CAT6A	FACEPLATE - DATA	WALL PHONE MTG PLATE	HUBBELL #HSB2WP					COMMMENTS
W	WALL PHONE OUTLET	48" AFF	1		1	1			1	1		1						CABLE AND TERMINATION DEVICE COLOR SHALL BE BLUE.
1D	1 DATA OUTLET	18" AFF		1	1	1			1	1	1							CABLE AND TERMINATION DEVICE COLOR SHALL BE BLUE.
2D	2 DATA OUTLET	18" AFF		1	1	1			2	2	1							CABLE AND TERMINATION DEVICE COLOR SHALL BE BLUE.
3D	3 DATA OUTLET	18" AFF		1	1	1			3	3	1							CABLE AND TERMINATION DEVICE COLOR SHALL BE BLUE.
4D	4 DATA OUTLET	18" AFF		1	1	1			4	4	1							CABLE AND TERMINATION DEVICE COLOR SHALL BE BLUE.
MON	2 DATA MONITOR OUTLET	60" AFF			1	1		1	2	2	1							CABLE AND TERMINATION DEVICE COLOR SHALL BE ORANGE.
1V2D	1 VOICE - 2 DATA OUTLET	18" AFF		1	1	1			3	3	1							CABLE AND TERMINATION DEVICE COLOR SHALL BE BLUE.
2V2D	2 VOICE - 2 DATA OUTLET	18" AFF		1	1	1			4	4	1							CABLE AND TERMINATION DEVICE COLOR SHALL BE BLUE.
1V	1 VOICE OUTLET	18" AFF		1	1	1			1	1	1							CABLE AND TERMINATION DEVICE COLOR SHALL BE BLUE.
#V #D	FLOOR BOX					A/R			A/R	A/R	1							REFER TO ELECTRICAL DRAWINGS FOR FLOOR BOX CONDUIT REQUIREMENTS. # - DENOTES QTY OF CABLES
#V #D	CEILING MOUNTED BOX			1	1	A/R			A/R	A/R	1							CEILING MOUNTED DEVICES. # - DENOTES QTY OF CABLES
AP	WIRELESS ACCESS POINT CEILING MOUNTED								2	2			1					CEILING MOUNTED AP SHALL HAVE A 15FT SERVICE LOOP AND LOCATED AT APPROXIMATE LOCATIONS SHOWN ON PLANS. REFER TO DETAILS FOR ADDITIONAL INFORMATION. CABLE AND TERMINATION DEVICE COLOR SHALL BE GREEN
AP	WIRELESS ACCESS POINT WALL MOUNTED		1		1	1			2	2			1					
	ETHERNET CABLE FOR CAMERA			1	1				1	1			1					INCLUDE 10 FT SERVICE LOOP FOR CABLING. CONFIRM NO OBSTRUCTIONS BLOCK THE INTENDED CAMERA FIELD OF VIEW PRIOR TO INSTALLATION OF CABLING, WHICH MAY INCLUDE SIGNAGE, PENDANT LIGHTS, SPEAKERS, TREES, OR ANY OTHER OBSTRUCTIONS IN THE IMMEDIATE FIELD OF VIEW. BRING ALL FIELD OF VIEW OBSTRUCTIONS TO THE ATTENTION OF THE SECURITY CONSULTANT. CABLE AND TERMINATION DEVICE COLOR SHALL BE YELLOW.
	ETHERNET CABLE FOR CAMERA			1	1				1	1			1					
	ETHERNET CABLE FOR CAMERA			1	1				1	1			1					

GENERAL NOTES

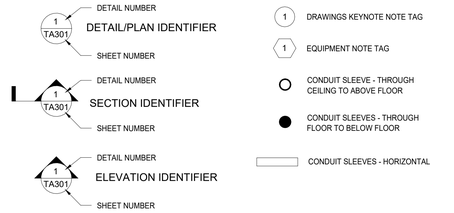
1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.
2. DRAWINGS ARE DIAGRAMATTIC. CONTRACTOR AWARDED THIS PROJECT SHALL SUBMIT SHOP DRAWINGS SHOWING ELEVATIONS AND CABLE ROUTING. ALL EQUIPMENT SHALL BE COORDINATED OFF THE ARCHITECTRUAL DRAWINGS AND COORDINATED WITH OTHER TRADES.
3. DEVICE LISTED AS ETR, EXISTING TO REMAIN, SHALL BE PROTECTED THROUGHOUT THE ENTIRETY OF CONSTRUCTION. CABLE SUPPORTING THESE DEVICES MUST BE TRACKED AND LABELED TO REMAIN PROTECTED DURING CONSTRUCTION. IF DURING CONSTRUCTION CABLE OR DEVICE IS RENDERED NON-FUNCTIONING, THE CONTRACTOR SHALL REPLACE THE CABLE AND DEVICE AT NO CHARGE TO THE PROJECT. IF AT THE END OF THE PROJECT THE DEVICES SHOWN ON THE PLANS AS ETR ARE NON-FUNCTIONING, THE CONTRACTOR SHALL REPLACE THE CABLE AND DEVICE AT NO CHARGE TO THE PROJECT. IF CABLE AND DEVICE NEED TO BE REPLACED, THE CONTRACTOR SHALL FURNISH, INSTALL, AND CONFIGURE THE EXACT MAKE AND MODEL OF THE DEVICE, OR AN OWNER-APPROVED EQUAL, TO FURNISH A FULLY FUNCTIONAL SYSTEM.
4. ALL COMMUNICATION OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS AND SECURITY DRAWINGS. THE CONTRACTOR MUST COORDINATE ALL LOCATIONS OF THE ELECTRICAL OUTLETS WITH THE DATA OUTLETS.
5. REQUIRED CABLE COLORS: SUBMIT ALL CABLE AND JACK COLOR WITH PRODUCT SUBMITTALS PRIOR TO PROCUREMENT.
6. LABEL ALL CABLES WITHIN 12" OF FINAL TERMINATION.
7. THE CONTRACTOR SHALL MAINTAIN THE TWIST OF THE INDIVIDUAL PAIRS TO WITHIN 1/2" OF FINAL TERMINATION FOR ALL CATEGORY 3 OR HIGHER CABLE.
8. USE ONLY HOOK AND LOOP CABLE TIES (VELCRO) FOR CABLES RATED CATEGORY 3 OR HIGHER.
9. ALL CABLES RUN IN CEILING AREAS SHALL BE PROPERLY SUPPORTED WITH CONDUIT OR J-HOOKS MOUNTED TO SLAT AT MINIMUM OF 5' INTERVALS. NO CABLE SHALL REST OR TOUCH CEILING ASSEMBLIES. CABLES SHALL NOT BE INSTALLED EXPOSED IN OPEN CEILING AREAS.
10. ALL LABELS SHALL BE MACHINE PRINTED. NO HAND LETTERED CABLES SHALL BE USED.
11. USE ONLY PLENUM RATED CABLES.
12. DO NOT RUN ETHERNET CABLES PARALLEL TO POWER CABLES. CROSS POWER CABLES ONLY AT RIGHT ANGLES.
13. MAINTAIN 8" DISTANCE FROM ALL LIGHTING TRANSFORMERS.
14. COLOR AND STYLE OF TELECOMMUNICATION FACE PLATES SHALL MATCH ELECTRICAL FACE PLATES AND BE COORDINATED WITH AND CONFIRMED BY THE ARCHITECT.
15. OBTAIN AND EXTEND TO OWNER ALL AVAILABLE MANUFACTURER AND SYSTEM WARRANTEES.THE LOW VOLTAGE INSTALLATION CONTRACTOR SHALL SUBMIT ALL TEST RESULTS TO THE CABLE MANUFACTURER TO CERTIFY THE CABLING INSTALLATION AND ATTAIN AND DELIVER TO THE OWNER THE EXTENDED MANUFACTURER'S WARRANTY FOR MATERIAL AND WORKMANSHIP.
16. SPLICING CABLES IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
17. DEVICE CABLING SHALL BE TERMINATED WITHIN THE INDICATED DATA ROOMS AND SHALL BE TERMINATED ONTO A 19" RACK MOUNTED, RJ45, 48 PORT, CATEGORY 6A RATED PATCH PANEL.
18. LOCATIONS OF EQUIPMENT FOR ALL OTHER TRADES SHALL BE COORDINATED BEFORE CONSTRUCTION.
19. THE CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCE OF ALL EQUIPMENT WITH OTHER TRADES AND ATTAIN OWNER'S APPROVAL PRIOR TO INSTALLATION.
20. CONTRACTOR SHALL COORDINATE ALL RACEWAYS, LOCATIONS, AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
21. ALL VOICE AND DATA OUTLETS THAT DO NOT HAVE AN ELECTRICAL OUTLET WITHIN 3FT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE THE PROJECT ARCHITECT, CONSTRUCTION MANAGER, AND TECHNOLOGY CONSULTANT PRIOR TO THE TIME OF INSTALLATION.
22. ALL DEVICES SHOWN ON THESE PLANS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT. THE INSTALLATION CONTRACTOR SHALL DEPICT ALL DEVICES ONTO ELEVATION SUBMITTALS BEFORE INSTALLATION. ANY DEVICE THAT IS NOT APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION MAY BE REQUIRED TO BE RELOCATED AS DIRECTED BY THE ARCHITECT AND CORRECTED BY THE CONTRACTOR WITH NO ADDITIONAL CHARGE TO THIS PROJECT.
23. ALL PATHWAYS, INCLUDING ALL WALL AND CEILING PENETRATIONS ARE REQUIRED TO INSTALL CABLING TO THE END DEVICE AND SHALL BE COORDINATED BETWEEN THE LOW VOLTAGE AND SECURITY CONTRACTOR AND THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THIS SECTION.
24. SECURE ATTACHMENT OF TECHNOLOGY AND SECURITY DEVICES:
    A. TO ENSURE PROPER ATTACHMENT OF FIXTURES, FURNISHINGS & EQUIPMENT ITEMS, INCLUDING AND TECHNOLOGY ITEMS, WHERE "ITEMS" ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE, AND/OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFY ITEMS, ATTACHED TO WALL, CEILING, AND/OR FLOOR ARE ATTACHED SECURELY AND PER MANUFACTURER'S RECOMMENDATIONS. ARCHITECT 'S REVIEW MAY BE IMPLEMENTED DURING SUBMITTAL PROCESS.
    B. CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO THE EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.
25. ALL CONDUIT IS TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.
26. PLACEMENT OF ALL SECURITY VIDEO SURVEILLANCE CAMERA CABLING MUST BE COORDINATED WITH THE SECURITY CONTRACTOR AND APPROVED BY THE SECURITY CONSULTANT AND/OR OWNER PRIOR TO CONSTRUCTION.

TECHNOLOGY ABBREVIATIONS

(NOTE: NOT ALL ABBREVIATIONS APPLICABLE)

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
A/C	ABOVE COUNTER
ACS	ACCESS CONTROL SYSTEM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
A/R	AS REQUIRED
AWG	AMERICAN WIRE GAUGE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BNC	BAYONET NEIL-CONCELMAN
C	CONDUIT(S)
DEMARC	DEMARCATION
DPDT	DOUBLE THROW DOUBLE PULL
EIA	ELECTRONICS INDUSTRIES ALLIANCE
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
F	FACSIMILE (FAX)
IDS	INTRUSION DETECTION SYSTEM
LAN	LOCAL AREA NETWORK
MER	MAIN EQUIPMENT ROOM
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
PoE	POWER OVER ETHERNET
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
QYT	QUANTITY
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATIONS
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VGA	VIDEO GRAPHICS ARRAY
VoIP	VOICE OVER INTERNET PROTOCOL
VSS	VIDEO SURVEILLANCE SYSTEM
W	WALL TELEPHONE (VOICE)
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS (DATA) ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF

GENERAL PLAN SYMBOLS



TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS NO	DATE	DESCRIPTION

Designed:	ND
Drawn:	ND
Reviewed:	MD
Project No.:	240014
Date:	02/14/2025
Issued for:	BID

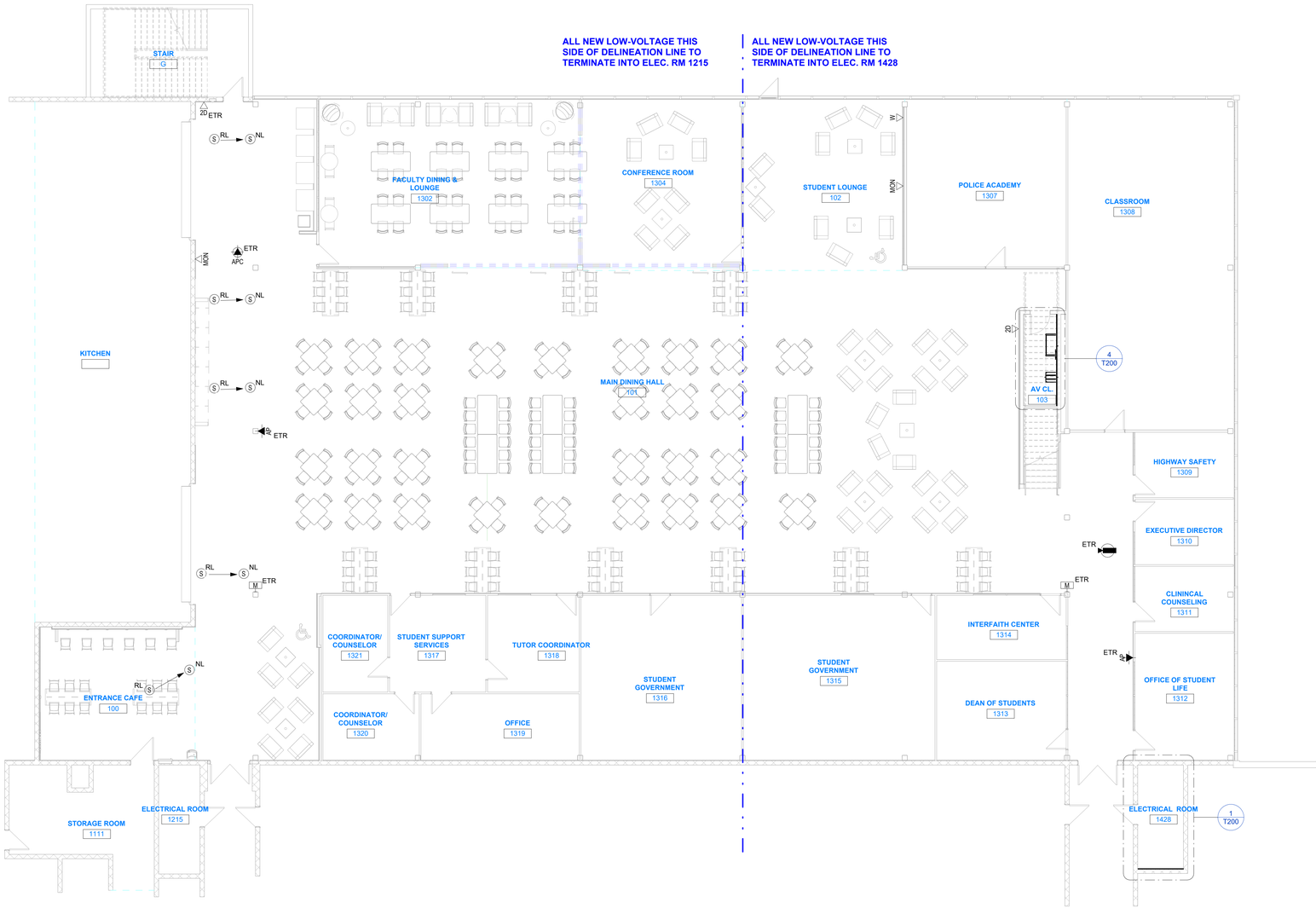
Title: SYMBOL LEGEND & GENERAL NOTES AUDIO VUISUAL Copy 1

Sheet No.

T000

2/13/2025 3:55:27 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERALL FIRST FLOOR TECHNOLOGY
1/8" = 1'-0"

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

Designed: ND
Drawn: ND
Reviewed: MD
Project No.: 242014
Date: 02/14/2025
Issued for: BID

Title: OVERALL FIRST FLOOR TECHNOLOGY PLAN

Sheet No.

T101.1

2/13/2025 3:55:29 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

1 OVERALL 2ND FLOOR TECHNOLOGY PLAN
1/8" = 1'-0"

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

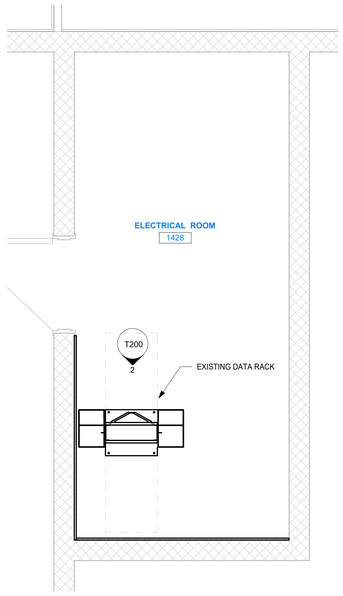
Designed:	ND
Drawn:	ND
Reviewed:	MD
Project No.:	240014
Date:	02/14/2025
Issued for:	BID

Title:
OVERALL SECOND FLOOR TECHNOLOGY PLAN

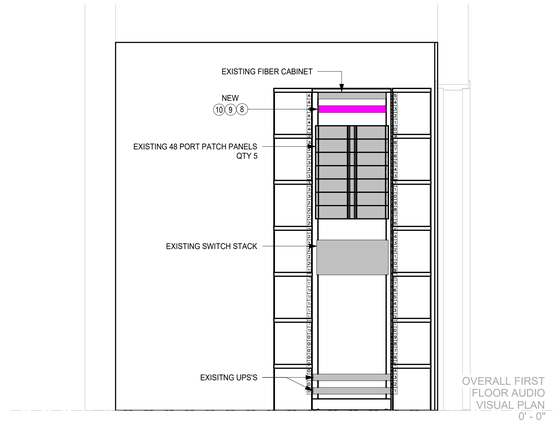
Sheet No.
T101.2

2/13/2025 3:55:29 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 ELEC RM 1428 CALL OUT
1/2" = 1'-0"



2 ELEC RM 1428 - RACK #IDF+3 N ELEVATION
3/4" = 1'-0"

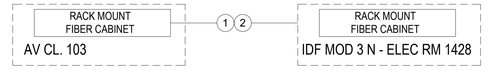
3 ELEC ROOM 1428 EXISTING RACK PHOTOS
NTS

PRODUCT DESCRIPTION		
KEY	DESCRIPTION	MANUFACTURER #
1	3/4" FIRE RATED PLYWOOD PAINTED WITH 2 COATS OF FIRE RETARDANT PAINT AS SPECIFIED. MOUNT BOTTOM OF PLAYWOOD AT 6" AFF.	AS REQUIRED
2	2-POST RACK, 45RU, 6 IN. DEEP, #12-24 THREADED E-RAILS, STEEL, BLACK	PANDUIT #R2P6S
3	4-POST RACK, 45RU, 30 IN. DEEP, #12-24 THREADED E-RAILS, BLACK	PANDUIT #R4P
4	PR2V VERTICAL DUAL-SIDED MANAGER, 45RU, 6 IN. WIDE, BLACK	PANDUIT #PR2VD06
5	MINI-COM® ANG FLUSH PATCH PANEL, 48 PORT, 2 RU, BL	PANDUI # CPPA48FMWBLY
6	CATEGORY 6A JACK MODULE, BLUE (DATA)	PANDUIT #CJ6X88TGBU
7	CATEGORY 6A JACK MODULE, ORANGE (AV)	PANDUIT #CJ6X88TGOR
8	FIBER OPTIC CABINET - 1RU	PANDUIT #FCE1U
9	LC ADAPTER PLATES, OM4, 6 LC DUPLEX (12 FIBER STRANDS)	PANDUIT #FAP6WAQDLC
10	LC ADAPTER PLATES, OS2, 6 LC DUPLEX (12 FIBER STRANDS)	PANDUIT #FAP6WBUDLCZ
11	FIBER BLANK ADAPTER PLATE	PANDUIT #FAPB
12	POWER DISTRUBUTION UNIT - PDU	PANDUIT #P12B01M
13	GROUNDING BUSS BAR & BUSBAR LABEL KIT	PANDUIT #GB2B0306TPI-1 PANDUIT #LTYK

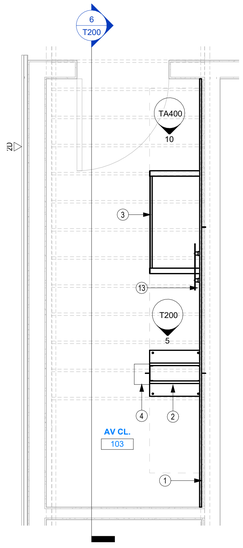
KEYNOTES:

1. 6 STRAND OS2 SINGLE-MODE FIBER OPTIC PLENUM RATED ARMORED CABLE TERMINATED ONTO "LC" TYPE ADAPTER PLATES WHICH WILL BE TERMINATED WITHIN RACK MOUNTED FIBER OPTIC CABINETS AT EACH ENDS. FUSION SPLICE LC CONNECTORS SHALL BE **PANDUIT #FLCS2/9SOCUB9U**. FIBER PART NUMBER SHALL BE **PANDUIT #FSPP906Y**.

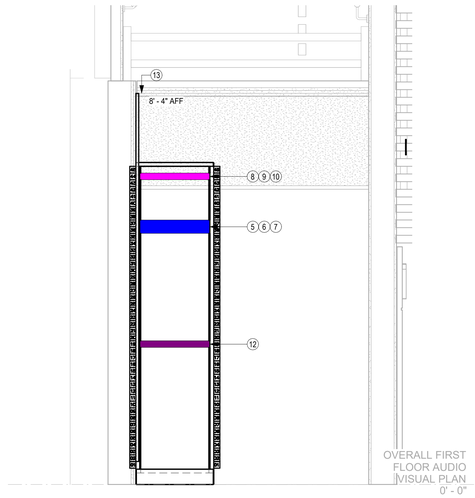
2. 6 STRAND OM4 MULTI-MODE FIBER OPTIC PLENUM RATED ARMORED CABLE TERMINATED ONTO "LC" TYPE ADAPTER PLATES WHICH WILL BE TERMINATED WITHIN RACK MOUNTED FIBER OPTIC CABINETS AT EACH ENDS. FUSION SPLICE CONNECTORS SHALL BE **PANDUIT FSCS2/PSOCPXAQ**. FIBER PART NUMBER SHALL BE **PANDUIT #FOPPZ06Y**.



7 TELECOM FIBER BACKBONE
NTS

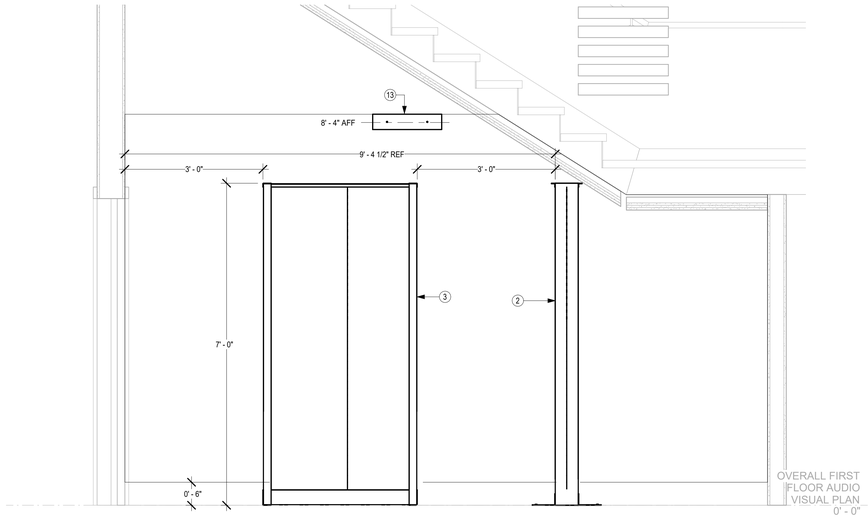


4 AV CLOSET 103 PLAN VIEW
1/2" = 1'-0"



AV ROOM #103 PORT COUNT				
DESCRIPTION	TR	QTY	Cat 6A Plenum Cable	Total Cables/Ports
2D DATA OUTLET	AV CLOSET #103	1	2	2
2D MONITOR OUTLET	AV CLOSET #103	2	2	4
W WALL PHONE OUTLET	AV CLOSET #103	1	1	1
				7

5 AV CLOSET 103 - TECHNOLOGY RACK ELEVATION VIEW
3/4" = 1'-0"



6 Section 2
3/4" = 1'-0"

Architecture
Engineering
Environmental
Land Surveying
Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

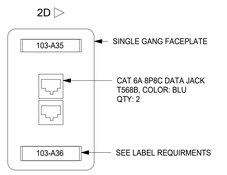
Designed: ND
Drawn: ND
Reviewed: MD
Project No.: 240014
Date: 02/14/2025
Issued for:
BID

Title:
ELEC. ROM #1428 & AV CLOSET #103 DETAILS

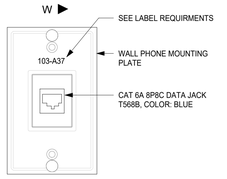
Sheet No.
T200

2/13/2025 3:55:31 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

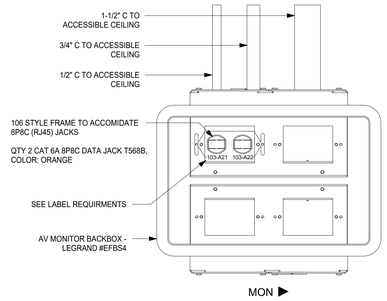
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



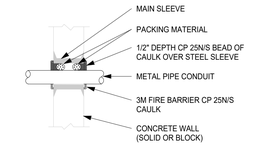
1 DATA OUTLET DETAIL - 2D
NTS



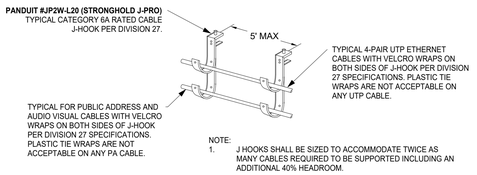
2 WALL PHONE MTG PLATE
NTS



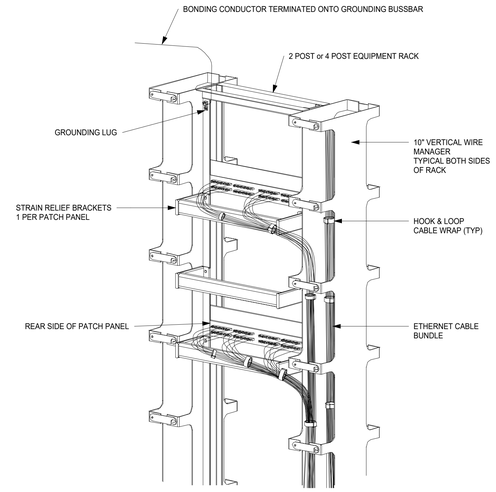
3 MON OUTLET
NTS



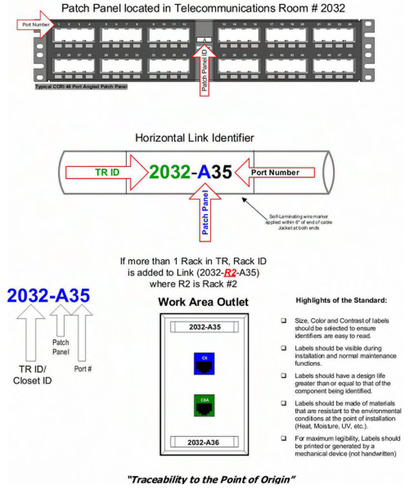
4 FIRE STOP DETAIL
12" = 1'-0"



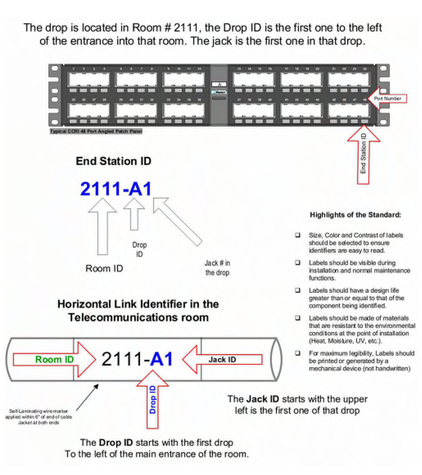
5 J-HOOK INSTALLATION - CABLING SUPPORT
12" = 1'-0"



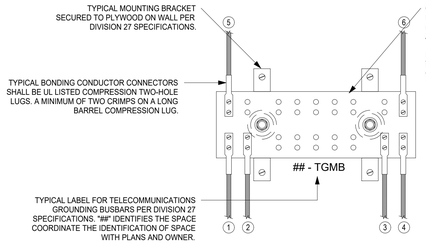
8 TYP RACK ASSEMBLY DETAIL
12" = 1'-0"



6 LABELING WORK AREA END
NTS



7 LABELING PATCH PANEL END
NTS



BONDING CONDUCTOR SIZING CHART	
LENGTH (FEET)	SIZE (AWG)
LESS THAN (<) 13'	# 6
14' - 20'	# 4
21' - 26'	# 3
27' - 33'	# 2
34' - 41'	# 1
42' - 52'	# 1/0
53' - 66'	# 2/0
GREATER THAN (>) 66'	# 3/0

WIRE AWG AS REQUIRED PER DISTANCES SPECIFIED IN GROUNDING CHART. GROUNDING BUSS WIRE TERMINATING ONTO GROUNDING BUSS BARS AT EACH END.

GROUNDING AND BONDING GENERAL NOTES

A. REFER TO GROUNDING AND BONDING DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
B. REFER TO GROUNDING AND BONDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.
C. PROVIDED 2"C SLEEVE PATHWAY AT EACH FLOOR AND WALL PENETRATIONS FOR THE TELECOMMUNICATION BONDING BACKBONE (TBB). COORDINATE PROPER METHODS FOR PENETRATIONS WITH FIRESTOPPING AS REQUIRED PER DIVISION 07 SPECIFICATIONS.
D. BONDING CONDUCTORS SHALL BE #3/0 AWG COLOR GREEN INSULATED COPPER CONDUCTOR OR SIZED PER "BONDING CONDUCTOR SIZING CHART" (ANSI J-STD-607-A) IN PATHWAY.
E. FASTENING BONDING CONNECTOR TWO-HOLE LUGS TO ALL BUSBARS SHALL BE CLEANED AND APPLY A COPPER ANTI-OXIDANT TO THE CONTACT AREA OF BOTH THE CONNECTOR LUG AND THE BUSBAR.
F. BONDING CONDUCTORS AND BUSBARS SHALL BE LABELED WITH IDENTIFICATION IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/TIA/EIA-606-A.
G. BONDING CONDUCTORS SHALL BE LABELED WITH IDENTIFICATION LABEL NOTED BELOW AND SECURED WITH CABLE TIE TO EACH CONDUCTOR. (ANSI J-STD-607-A). "IF THIS CONNECTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER".
H. CONTINUITY TESTING MEASUREMENTS OF THE GROUNDING RESISTANCE TO NOT EXCEED 0.1 OHM BETWEEN:
H.1 THE TMGB AND THE NEAREST GROUNDING ELECTRODE.
H.2 EACH TGB AND THE NEAREST GROUNDING ELECTRODE.
H.3 EACH TGB AND PATHWAY(S), RACK(S), CABINET(S) AND APPLICABLE EQUIPMENT.

GROUNDING AND BONDING KEYNOTES

1. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) TO BUILDING GROUNDING ELECTRODE. REFER TO RISER DIAGRAM.
2. BCT TO NEAREST BUILDING STEEL STRUCTURE, IF APPLICABLE. UTILIZE EXOTHERMIC WELDING CONNECTION TO BUILDING STEEL.
3. BCT TO NEAREST BUILDING ELECTRICAL PANELBOARD GROUND BAR. UTILIZE LISTED CONNECTOR TO PANELBOARD GROUND BUS.
4. TELECOMMUNICATION BONDING BACKBONE (TBB) FOR GROUNDING EQUALIZER (GE), IF APPLICABLE. REFER TO RISER DIAGRAM.
5. TYPICAL TBB(S) THAT INTERCONNECTS ALL TGB(S) WITH THE TMGB. REFER TO RISER DIAGRAM.
6. BCT TO TELECOMMUNICATIONS CABLE RUNWAY(S), RACK(S), CABINET(S) AND APPLICABLE EQUIPMENT. DAISY CHAINING OF BCT AT RELAY IS NOT ACCEPTABLE. EACH RACK IS TO HAVE A BCT TO A COMPRESSION LUG TAP TO THE DEDICATED HOMERUN BCT BACK TO THE TGB. SEE DETAILS.

9 DATA ROOM - GROUNDING BUSS BAR TMGB
12" = 1'-0"

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS		
NO	DATE	DESCRIPTION

Designed:	ND
Drawn:	ND
Reviewed:	MD
Project No.:	240014
Date:	02/14/2025
Issued for:	BID

Title:
TECHNOLOGY DETAILS

Sheet No.
T201

2/13/2025 3:55:32 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

AUDIO/VIDEO WIRE TYPES

AUDIO/VIDEO SYSTEM WIRING IS DIVIDED INTO GROUPS ACCORDING TO NOMINAL VOLTAGE LEVELS

	WIRING TYPE
GROUP A	MICROPHONE AND OTHER SENSITIVE WIRING (0mV to 100 mV)
GROUP B	LINE LEVEL WIRING (100 mV to 10V)
GROUP C	LOUDSPEAKER AND CONTROL WIRING (10 V TO 70 V)
GROUP D	VIDEO, CONTROL AND DIGITAL CIRCUITS
GROUP E	DATA AND FIBER OPTIC CABLE
GROUP F	SPARE CONDUIT

NOTE: THESE WIRING GROUPS MUST NEVER BE INTERMIXED WITHIN A GIVEN CONDUIT RUN OR JUNCTION BOX!

AUDIO/VIDEO CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING WIRING OF DIFFERENT GROUPS IS:

	GROUP A	GROUP B	GROUP C	GROUP D	GROUP E
GROUP A	ADJACENT	6"	12"	12"	12"
GROUP B	--	ADJACENT	12"	6"	6"
GROUP C	--	--	ADJACENT	6"	6"
GROUP D	--	--	--	ADJACENT	ADJACENT
GROUP E	--	--	--	--	ADJACENT
GROUP F	12"	12"	12"	12"	12"

NOTE: NINETY DEGREE CROSSINGS IN CLOSE PROXIMITY ARE ACCEPTABLE. SEPARATIONS MUST BE MAINTAINED UNTIL WITHIN SIX FEET OF BOX OR GUTTER ENTRY.

ELECTRICAL CONDUIT SEPARATION

MINIMUM CONDUIT SEPARATION BETWEEN CONDUITS CARRYING AUDIO/VIDEO WIRING AND OTHER ELECTRICAL SERVICE CONDUIT IS:

	GROUP A	GROUP B	GROUP C	GROUP D	GROUP E	GROUP F
DIMMER CONTROLED LIGHTING	24"	12"	6"	12"	12"	24"
SCR CONTROLLED SERVICES	24"	12"	6"	12"	12"	24"
220/440VAC CIRCUITS	6"	6"	ADJACENT	ADJACENT	ADJACENT	24"
ALL OTHER SERVICES	6"	6"	ADJACENT	ADJACENT	ADJACENT	24"

NOTE: HEAVY CURRENT DEMANDS IN, OR LONG PARALLEL RUN WITH THE ABOVE SERVICES MAY DICTATE GREATER SEPARATIONS TO AVOID INTERFERENCE IN THE SYSTEMS. SEPARATIONS MUST BE MAINTAINED UNTIL WITHIN SIX FEET OF BOX OR GUTTER ENTRY.

EXCEPTIONS:

1. THE CONDUIT SEPARATIONS ABOVE ARE BASED ON THE USE OF EMT CONDUIT FOR ALL AV AND OTHER SIGNALS.
2. SEPARATIONS WHERE RIGID CONDUIT IS UTILIZED FOR AV SYSTEMS AND/OR OTHER ADJACENT SYSTEMS MAY BE HALVED.
3. SEPARATIONS WHERE PVC CONDUIT IS UTILIZED FOR AV SYSTEMS AND/OR OTHER ADJACENT SYSTEMS MUST BE DOUBLED.
4. THE CONTRACTOR MUST HAVE WRITTEN AUTHORIZATION FROM THE SYSTEMS DESIGNER FOR ANY CONDUIT INSTILLATION WHICH DOES NOT CONFORM TO THESE REQUIREMENTS.

AV WIRE TYPES

SIGNAL TYPE	DESCRIPTION	DESCRIPTOR	MANUFACTURER	WIRE NUMBER	OUTER DIAMETER
A	MICROPHONE	MIC	Belden	9451	0.135
B	COMM SYSTEM	COMM	Belden	9460	0.23
B	TIE LINES	LINE	Belden	1696A	0.234
C	TWISTED JACKETED 14 AWG	70V4	West Penn	226	0.234
C	TWISTED JACKETED 16 AWG	70V6	West Penn	225	0.182
C	TWISTED JACKETED 16 AWG - REMOTE POWER	CAMPWR	West Penn	225	0.182
C	TWISTED JACKETED 16 AWG - INDUCTION LOOP	LOOP	West Penn	225	0.182
C	TWISTED JACKETED 8 AWG	LS08	West Penn	C208	0.498
C	TWISTED UNJACKETED 10 AWG	LS10	West Penn	NJ210BKWH	0.326
C	TWISTED UNJACKETED 12 AWG	LS12	West Penn	C207	0.26
C	TWISTED UNJACKETED 14 AWG	LS14	West Penn	C206	0.222
C	(4 COND) JACKETED 18 AWG	LSXP	Belden	1502R	0.25
C	(4 COND) JACKETED 16 AWG - VOLUME CONTROL	VOL	West Penn	245	0.217
D	RF-MICS AND RF-ALS	ANT	Belden	7810A	.403
D	VIDEO COAX	COAX	Belden	1794a	0.32
D	MIDI	MIDI	Belden	9941	0.23
D	CONTROL SYSTEM RELAY	RLY	Belden	9460	0.23
D	RMS	RMS	Belden	8205	0.18
D	CONTROL SYSTEM 232/485 AND IR	SER	Belden	9460	0.23
E	MULTI MODE FIBER (12 ST) OM3 ARMORED	MMF	TBD	TBD	TBD
E	SINGLE MODE FIBER (12 ST) OS2 ARMORED	SMF	TBD	TBD	TBD
E	SMPTE HYBRID	SMPTE	Gepco	HDC920R	0.362
E	SHIELDED CAT6A	STP	Belden	10GX52F	0.3
E	UNSHIELDED CAT6A	UTP	Panduit	PUP6AHD04OR-G	0.23
F	BEVWAY DUCT	BVWY	Kelly Bevway	8" SYSTEM	
F	FIRE STOPPED CABLE PASS TRIPLE	CBP3	Abesco	3X 31942 + 31986	
F	FIRE STOPPED CABLE PASS SINGLE	CPB1	Abesco	31942 + 31982	
F	EMPTY CONDUIT - 1"	ECO1			
F	EMPTY CONDUIT - 2"	ECO2			

AUDIO VISUAL

REFER TO SPECIFICATION SECTION 27 4100 FOR DEVICES

		OUTLET BOX & CONDUIT SIZES PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR									CABLING PROVIDED & INSTALLED BY LOW VOLTAGE CONTRACTOR ALL CABLING TO BE PLENUM RATED										
SYMBOL	DESCRIPTION	MOUNTING AFF UNLESS OTHERWISE NOTED	4 x 4" x 4" DP	6 x 4" x 4" DP	2G DEVICE RING	3G DEVICE RING	3/4" C	1" C	1-1/4" C	CHIEF #PACS2SFCW	LEGRAND #EFSB4	CAT6A CABLE	8P8C (RJ45) JACK - CAT6A	AV CABLE (MISC.) REFER TO SIGNAL FLOW DIAGRAMS								COMMMENTS
A ▷	AVOIP ENCODER	18" AFF	1		1				1			1	1									REFER TO SIGNAL FLOW DIAGRAMS FOR CABLING AND ROUTING REQUIREMENTS
B ▷	AV CONTROL PANEL	48" AFF	1		1			1				1	1									REFER TO SIGNAL FLOW DIAGRAMS FOR CABLING AND ROUTING REQUIREMENTS
E ▷	AV PANEL - CUSTOM	18" AFF	1		1			1				4	4									REFER TO SIGNAL FLOW DIAGRAMS FOR CABLING AND ROUTING REQUIREMENTS
D ▷	LED DISPLAY PASS-THRU	As Noted	1		1			1				A/R	A/R									REFER TO SIGNAL FLOW DIAGRAMS FOR CABLING AND ROUTING REQUIREMENTS
S ▷	SPEAKER PANEL	As Noted	1		1			1						1								REFER TO SIGNAL FLOW DIAGRAMS FOR CABLING AND ROUTING REQUIREMENTS
ALS ▷	ASSISTED LISTENING TRANSMITTER	As Noted	1		1			1						1								REFER TO SIGNAL FLOW DIAGRAMS FOR CABLING AND ROUTING REQUIREMENTS
ANT ▷	ANTENNA - WIRELESS MIC RECEIVER	As Noted	1		1			1						1								REFER TO SIGNAL FLOW DIAGRAMS FOR CABLING AND ROUTING REQUIREMENTS
MIC ▷	DIGITAL AUDIO INPUT	18" AFF	1		1			1				1	1									REFER TO SIGNAL FLOW DIAGRAMS FOR CABLING AND ROUTING REQUIREMENTS
(S1)	SPEAKER PANEL	As Noted	1		1			1						1								

TECHNOLOGY ABBREVIATIONS

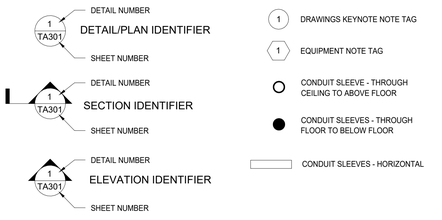
(NOTE: NOT ALL ABBREVIATIONS APPLICABLE)

AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISHED GRADE
A/C	ABOVE COUNTER
ACS	ACCESS CONTROL SYSTEM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
A/R	AS REQUIRED
AWG	AMERICAN WIRE GAUGE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BNC	BAYONET NEIL-CONCELMAN
C	CONDUIT(S)
DEMARC	DEMARCATION
DPDT	DOUBLE THROW DOUBLE PULL
EIA	ELECTRONICS INDUSTRIES ALLIANCE
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
F	FACSIMILE (FAX)
IDS	INTRUSION DETECTION SYSTEM
LAN	LOCAL AREA NETWORK
MER	MAIN EQUIPMENT ROOM
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFE	OWNER FURNISHED EQUIPMENT
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
PoE	POWER OVER ETHERNET
PP	PATCH PANEL
PVC	POLYVINYL CHLORIDE CONDUIT
QYT	QUANTITY
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATIONS
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VGA	VIDEO GRAPHICS ARRAY
VoIP	VOICE OVER INTERNET PROTOCOL
VSS	VIDEO SURVEILLANCE SYSTEM
W	WALL TELEPHONE (VOICE)
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS (DATA) ACCESS POINT
WG	WIRE GUARD
WP	WEATHERPROOF

GENERAL NOTES

1. DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT.
2. ALL AUDIO VISUAL OUTLETS MUST COINCIDE WITH ELECTRICAL POWER DRAWINGS AND TECHNOLOGY DRAWINGS. THE CONTRACTOR MUST COORDINATE ALL LOCATIONS OF THE ELECTRICAL OUTLETS WITH THE AUDIO VISUAL OUTLETS.
3. REQUIRED CABLE AND TERMINATIONS: SUBMIT ALL CABLE AND TERMINATION DEVICES WITH PRODUCT SUBMITTALS PRIOR TO PROCUREMENT
4. LABEL ALL CABLES WITHIN 12" OF FINAL TERMINATION.
5. USE ONLY HOOK AND LOOP CABLE TIES (VELCRO) FOR CABLES RATED CATEGORY 3 OR HIGHER.
6. ALL CABLES RUN IN CEILING AREAS SHALL BE PROPERLY SUPPORTED WITH CONDUIT OR J-HOOKS MOUNTED TO SLAT AT MINIMUM OF 5' INTERVALS. NO CABLE SHALL REST OR TOUCH CEILING ASSEMBLIES. CABLES SHALL NOT BE INSTALLED EXPOSED IN OPEN CEILING AREAS.
7. ALL LABELS SHALL BE MACHINE PRINTED. NO HAND LETTERED CABLES SHALL BE USED.
8. USE ONLY PLENUM RATED CABLES.
9. DO NOT RUN ETHERNET CABLES PARALLEL TO POWER CABLES. CROSS POWER CABLES ONLY AT RIGHT ANGLES.
10. MAINTAIN 8" DISTANCE FROM ALL LIGHTING TRANSFORMERS.
11. COLOR AND STYLE OF AUDIO VISUAL FACE PLATES SHALL BE COORDINATED WITH AND CONFIRMED BY THE ARCHITECT.
12. OBTAIN AND EXTEND TO OWNER ALL AVAILABLE MANUFACTURER AND SYSTEM WARRANTEES.
13. SPLICING CABLES IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
14. LOCATIONS OF EQUIPMENT FOR ALL OTHER TRADES SHALL BE COORDINATED BEFORE CONSTRUCTION.
15. CONTRACTOR SHALL COORDINATE LAYOUT LOCATIONS AND CLEARANCE OF ALL EQUIPMENT WITH OTHER TRADES AND ATTAIN OWNER'S APPROVAL PRIOR TO INSTALLATION.
16. CONTRACTOR SHALL COORDINATE ALL RACEWAYS, LOCATIONS, AND POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
17. ALL DEVICES SHOWN ON THESE PLANS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT. THE INSTALLATION CONTRACTOR SHALL DEPICT ALL DEVICES ONTO ELEVATION SUBMITTALS BEFORE INSTALLATION. ANY DEVICE THAT IS NOT APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION MAY BE REQUIRED TO BE RELOCATED AS DIRECTED BY THE ARCHITECT AND CORRECTED BY THE CONTRACTOR WITH NO ADDITIONAL CHARGE TO THIS PROJECT.
18. ALL PATHWAYS, INCLUDING ALL WALL AND CEILING PENETRATIONS ARE REQUIRED TO INSTALL CABLING TO THE END DEVICE AND SHALL BE COORDINATED BETWEEN THE LOW VOLTAGE AND ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THIS SECTION.
19. SECURE ATTACHMENT OF AUDIO VISUAL DEVICES:
    A. TO ENSURE PROPER ATTACHMENT OF FIXTURES, FURNISHINGS & EQUIPMENT ITEMS, INCLUDING AND TECHNOLOGY ITEMS, WHERE "ITEMS" ARE ATTACHED TO WALL, CEILING, OVERHEAD STRUCTURE, AND/OR FLOOR, CONTRACTOR SHALL PROVIDE INFORMATION ADEQUATE FOR ARCHITECT TO VERIFY ITEMS, ATTACHED TO WALL, CEILING, AND/OR FLOOR ARE ATTACHED SECURELY AND PER MANUFACTURER'S RECOMMENDATIONS. ARCHITECT'S REVIEW MAY BE IMPLEMENTED DURING SUBMITTAL PROCESS.
    B. CONTRACTOR SHALL PROVIDE STRUTS, HANGERS, FASTENERS, SAFETY HARNESSES, CHANNELS, BOLTS, SCREWS, RODS, ETC. TO SECURELY ATTACH ITEMS TO EXISTING STRUCTURE AS REQUIRED TO MEET FIELD CONDITIONS AND MEET APPLICABLE CODES.
20. ALL CONDUIT IS TO ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.

GENERAL PLAN SYMBOLS



TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS	DESCRIPTION	DATE	NO

Designed:	ND
Drawn:	ND
Reviewed:	MD
Project No.:	240014
Date:	02/14/2025

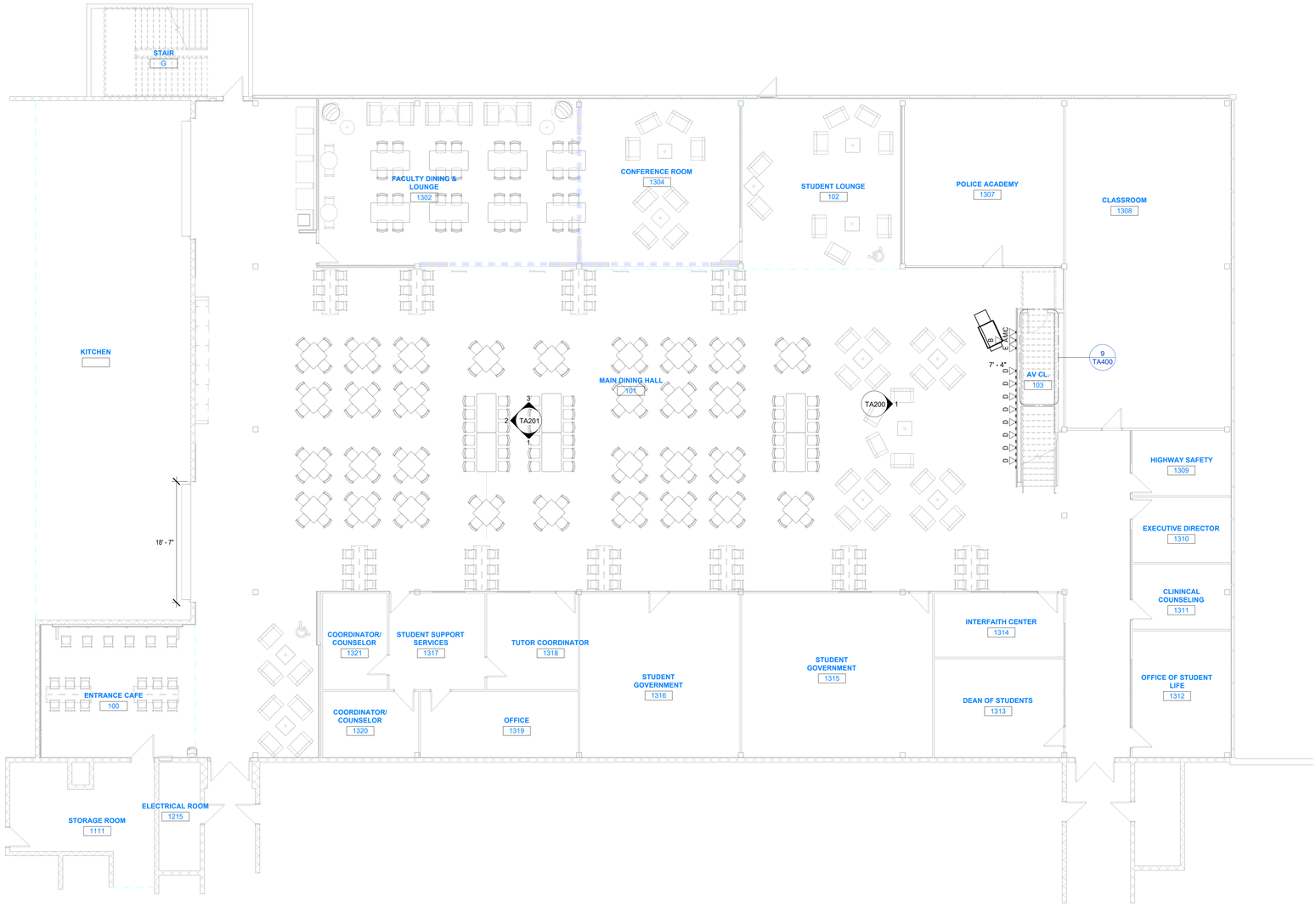
Issued for:
BID

Title:
SYMBOL LEGEND & GENERAL NOTES AUDIO VISUAL

Sheet No.
TA000

2/13/2025 3:55:32 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERALL FIRST FLOOR AUDIO VISUAL PLAN
1/8" = 1'-0"

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

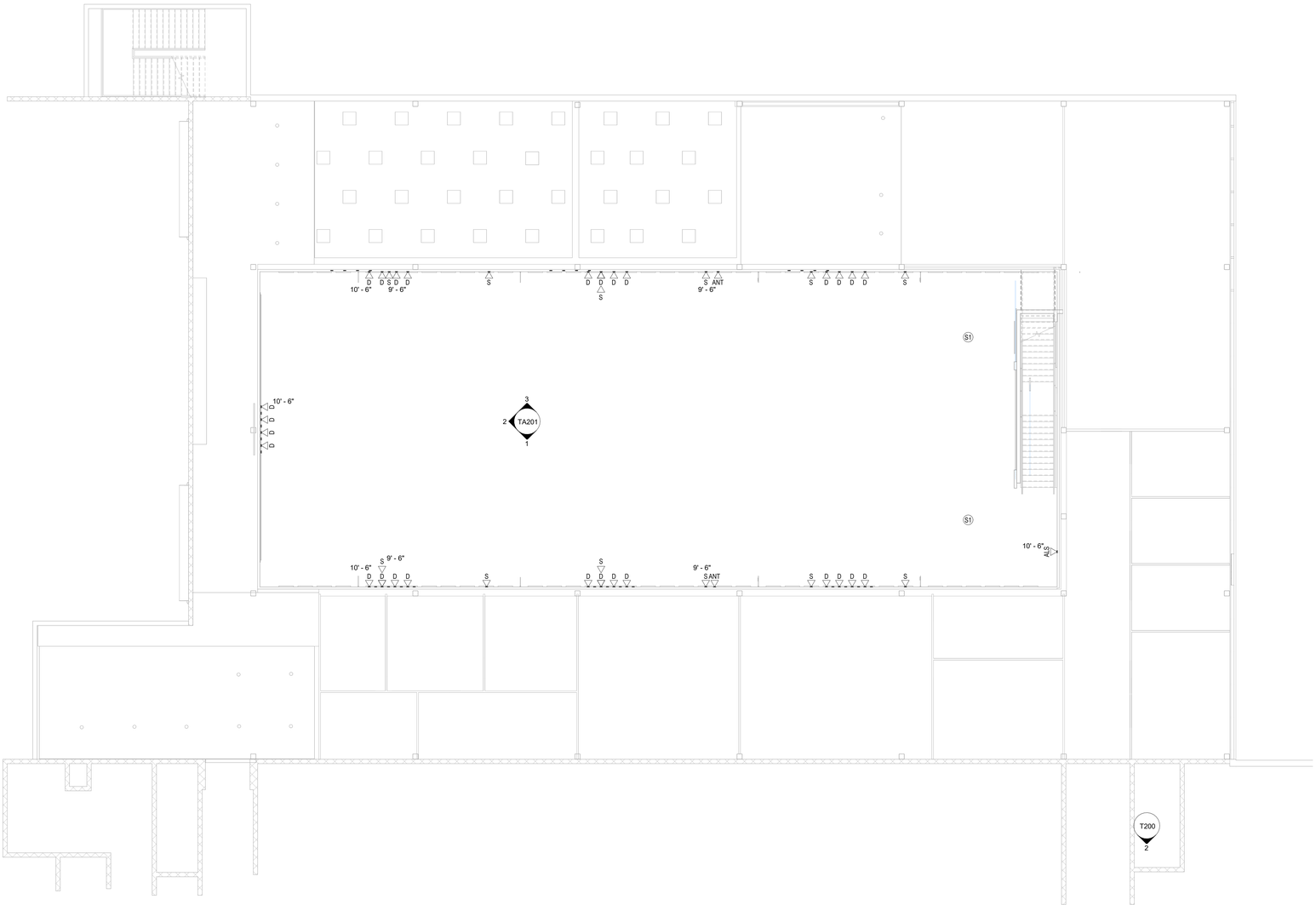
Designed:	ND
Drawn:	ND
Reviewed:	MD
Project No.:	240014
Date:	02/14/2025
Issued for:	BID

Title:
OVERALL FIRST FLOOR AUDIO VISUAL PLAN

Sheet No.
TA101.1

2/13/2025 3:55:33 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 OVERALL FIRST FLOOR RCP AUDIO VISUAL PLAN
1/8" = 1'-0"

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

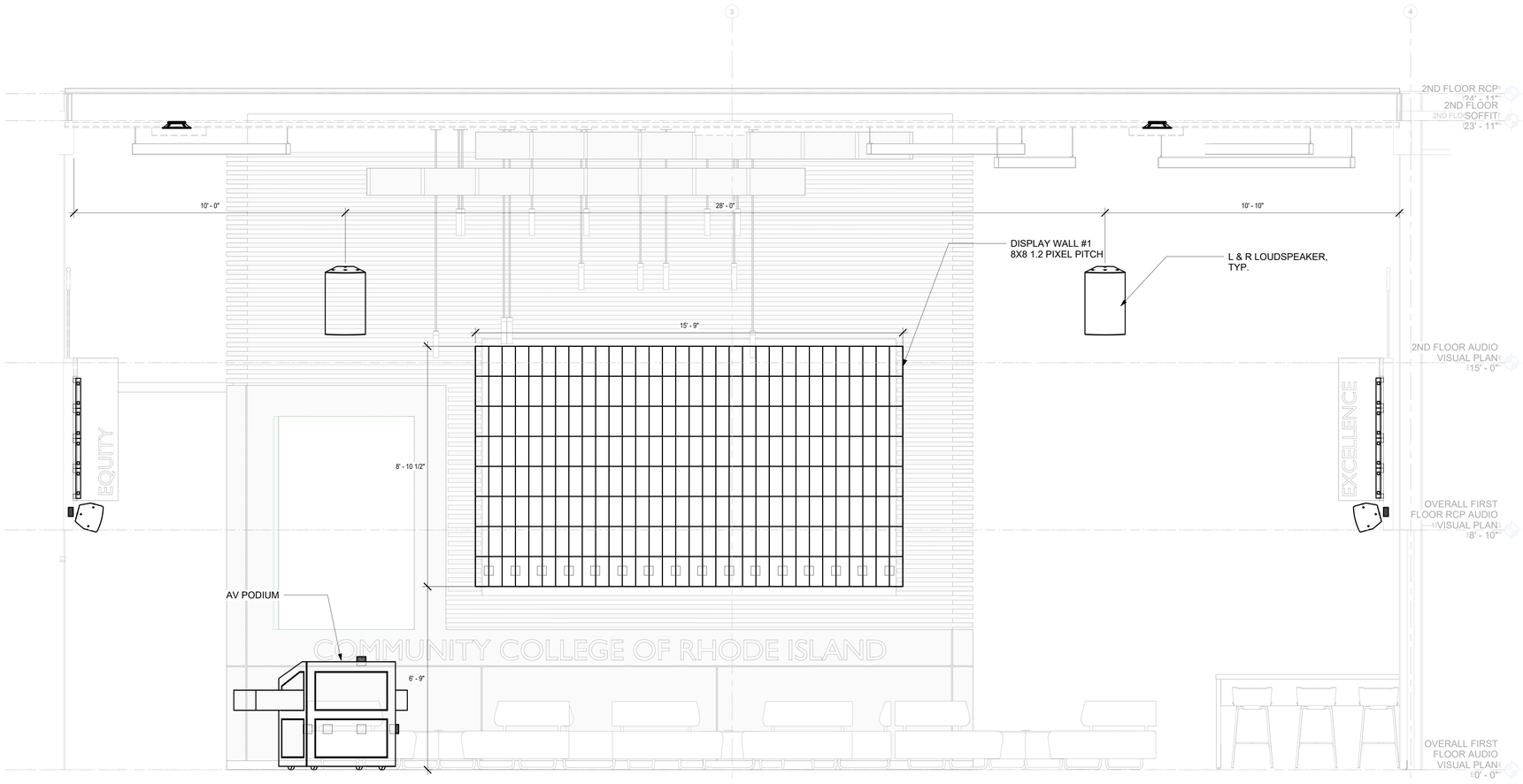
Designed:	ND
Drawn:	ND
Reviewed:	MD
Project No.:	240014
Date:	02/14/2025
Issued for:	BID

Title:
OVERALL FIRST FLOOR
RCP AUDIO VISUAL PLAN

Sheet No.
TA101.2

2/13/2025 3:55:34 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 MAIN DINING HALL - EAST WALL
1/2" = 1'-0"

TRUE NORTH

2/13/2025 3:55:35 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

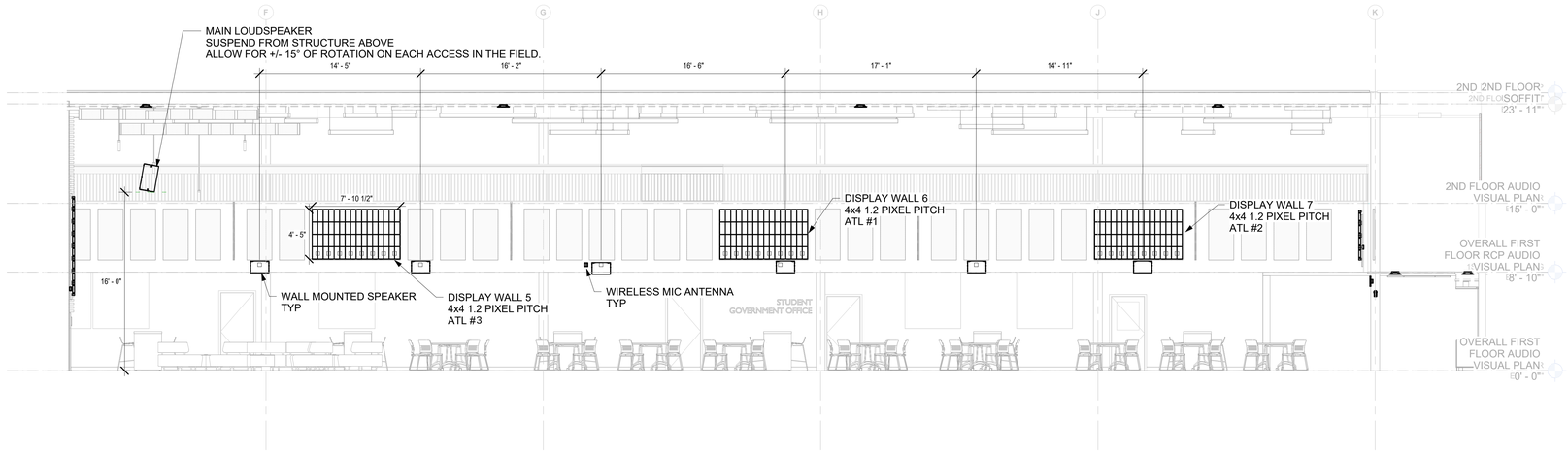
REVISIONS

NO	DATE	DESCRIPTION

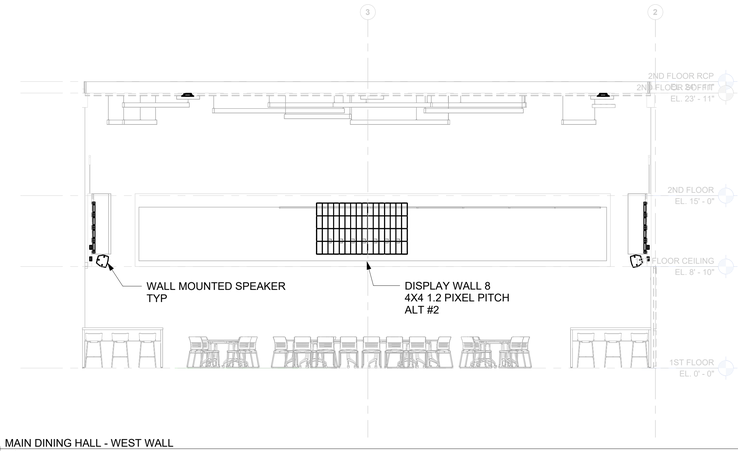
Designed: ND
Drawn: ND
Reviewed: MD
Project No.: 242014
Date: 02/14/2025
Issued for:
BID

Title:
AUDIO VISUAL
ELEVATIONS

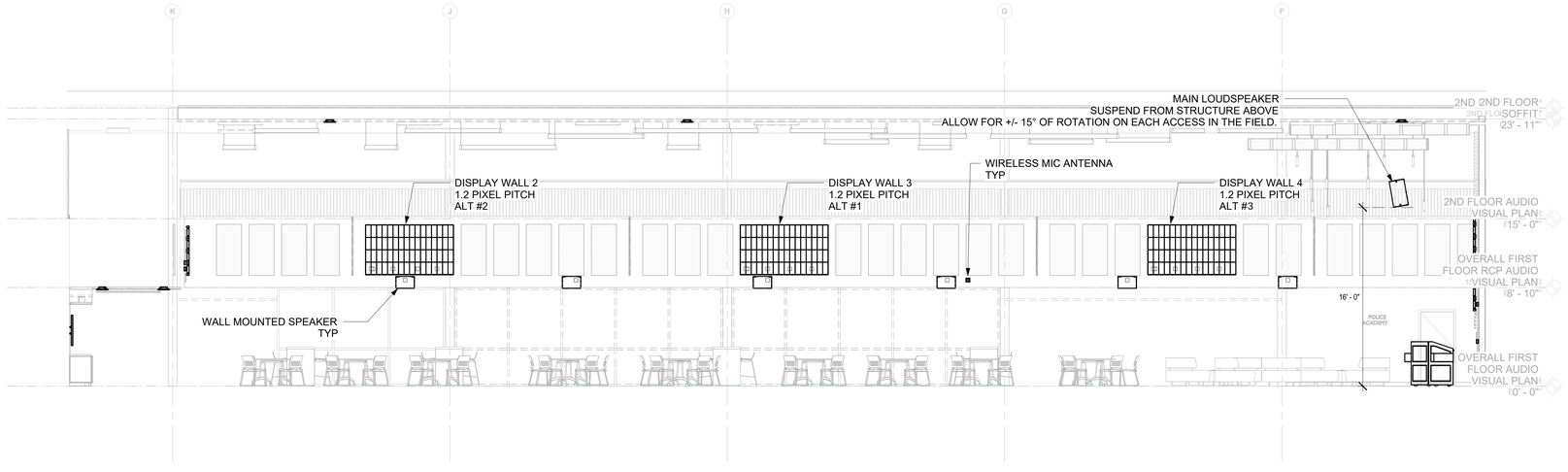
Sheet No.
TA200



1 MAIN DINING HALL - SOUTH WALL
3/16" = 1'-0"



2 MAIN DINING HALL - WEST WALL
3/16" = 1'-0"



3 MAIN DINING HALL - NORTH WALL
3/16" = 1'-0"

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS
NO | DATE | DESCRIPTION

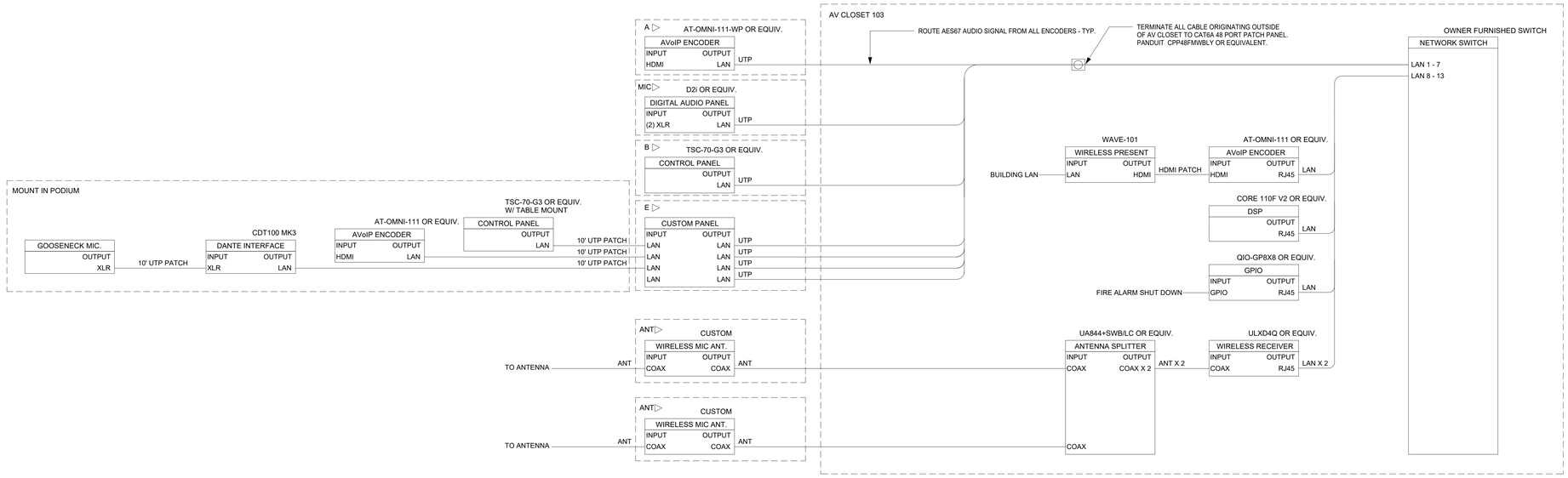
Designed: ND
Drawn: ND
Reviewed: MD
Project No.: 242014
Date: 02/14/2025
Issued for:
BID

Title:
AUDIO VISUAL
ELEVATIONS

Sheet No.
TA201

2/13/2025 3:55:40 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 AV Signal Main Dining Hall - Inputs
NTS

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

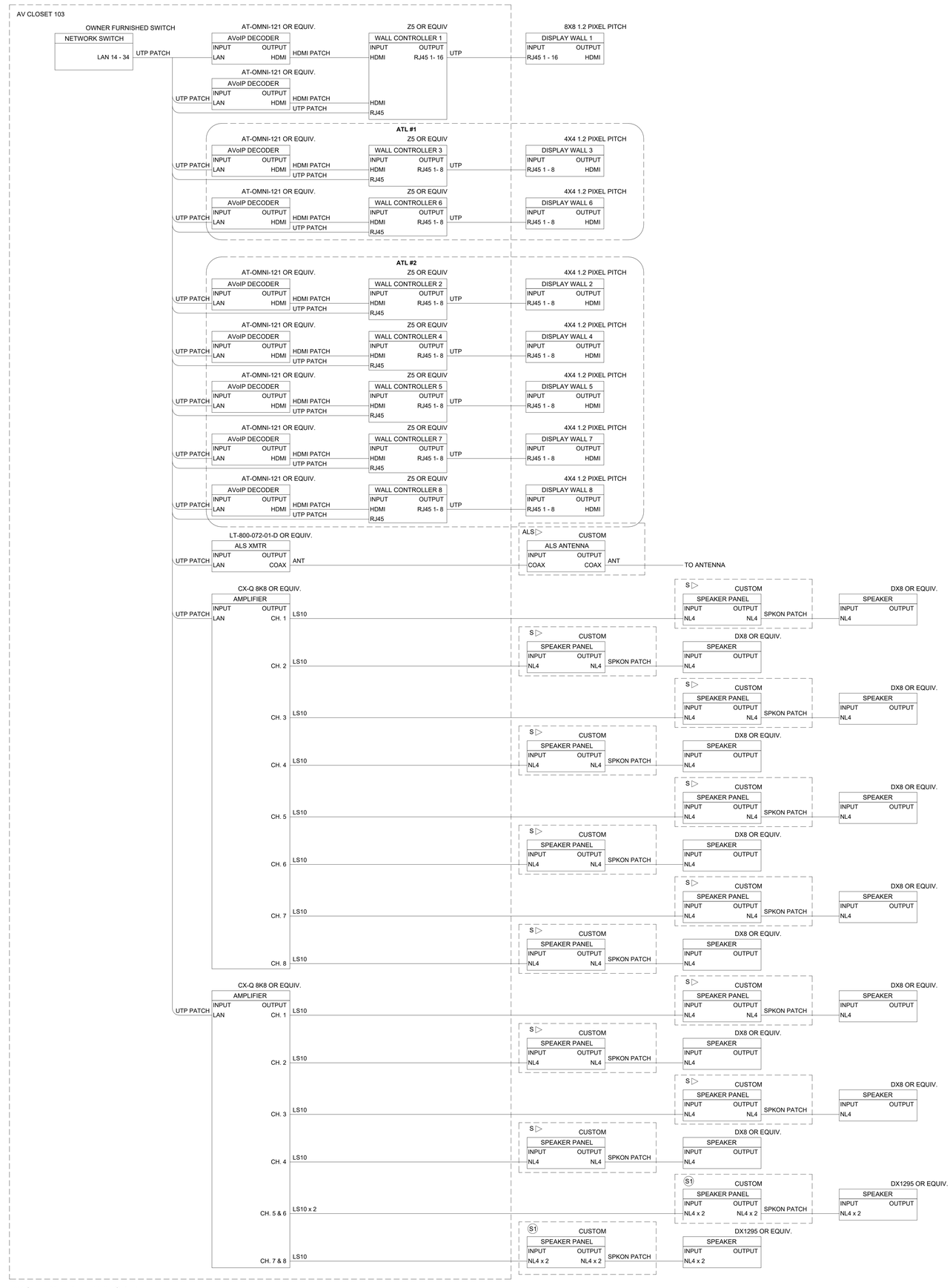
Designed:	ND
Drawn:	ND
Reviewed:	MD
Project No.:	240014
Date:	02/14/2025
Issued for:	BID

Title:
AUDIO VISUAL SIGNAL FLOW

Sheet No.
TA300

2/13/2025 3:55:41 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



1 AV Signal Main Dining Hall - Outputs
NTS

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

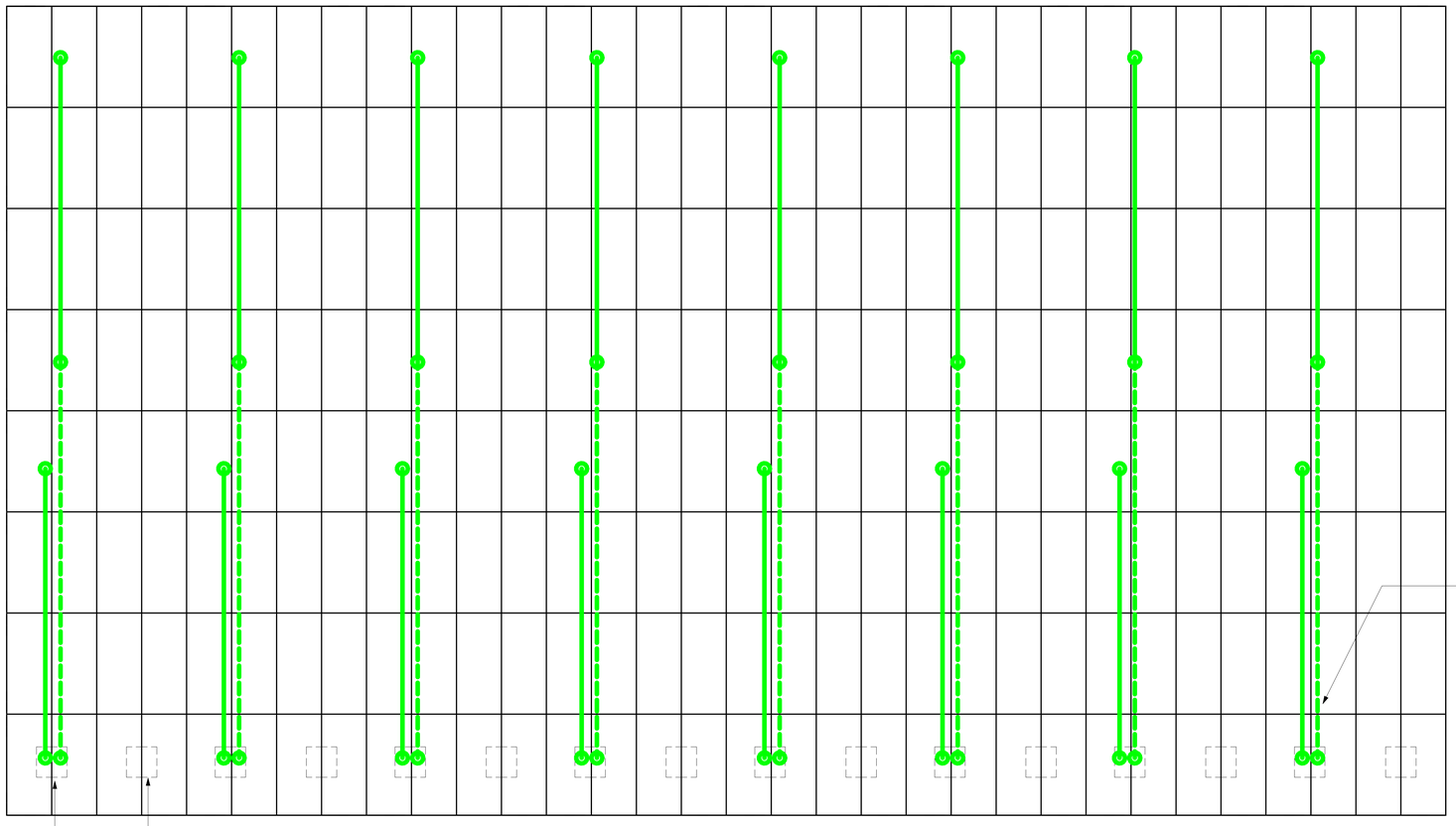
Designed:	ND
Drawn:	ND
Reviewed:	MD
Project No.:	242014
Date:	02/14/2025
Issued for:	BID

Title:
AUDIO VISUAL SIGNAL FLOW

Sheet No.
TA301

2/13/2025 3:55:41 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



TYPICAL AV SINGAL FROM CONTROLLER
EACH FEED SHALL DELIVER SIGNAL TO QTY (4) PANELS
ACTUAL SIGNAL ROUTING AND CABLE TYPE DEPENDENT
ON SUBMITTED DISPLAY AND CONTROLLER SOLUTION.
SUBMIT ALL CABLING AND ROUTING WITHIN SHOP DRAWINGS
FOR DESIGN TEAM REVIEW.

REFER TO ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.

POWER ROUTING BACKBOX - TYPICAL
CONFIRM FINAL LOCATION IN FIELD WITH AV CONTRACTOR PRIOR TO ROUGH-IN

AV SIGNAL BACK BOX - TYPICAL
CONFIRM FINAL LOCATION IN FIELD WITH AV CONTRACTOR PRIOR TO ROUGH-IN

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS

NO	DATE	DESCRIPTION

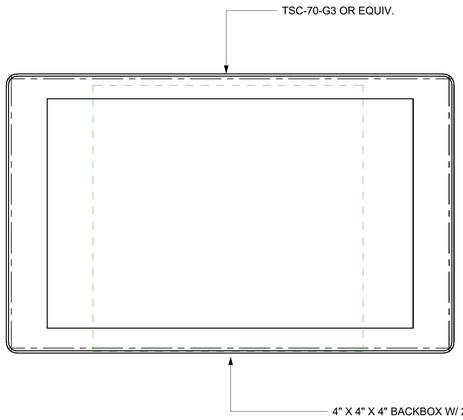
Designed:	ND
Drawn:	ND
Reviewed:	MD
Project No.:	242014
Date:	02/14/2025
Issued for:	BID

Title:
TYPICAL DISPLAY WALL
SIGNAL ROUTING

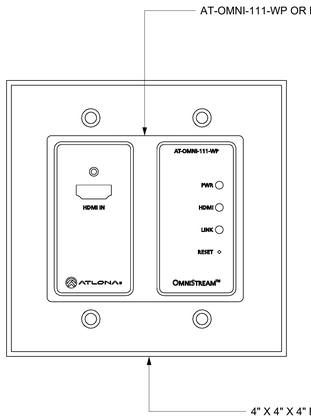
Sheet No.
TA302

2/13/2025 3:55:41 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

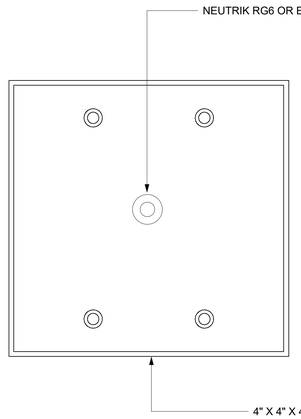
© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.



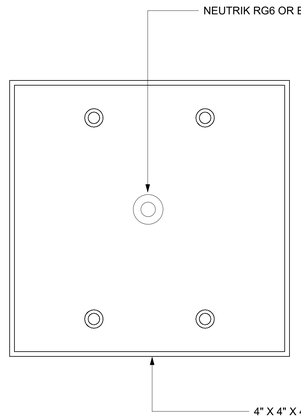
1 "B" PANEL - CONTROL PANEL
NTS



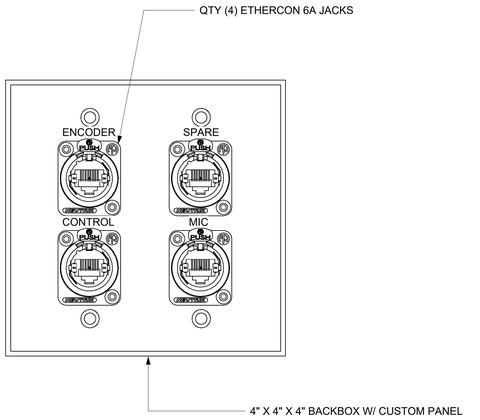
2 "A" PANEL - AVOIP ENCODER
NTS



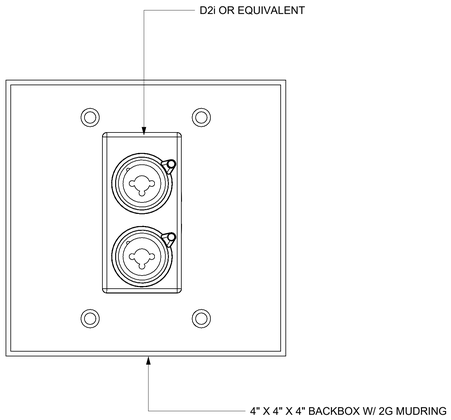
3 "ALS" PANEL - ASSISTED LISTENING TRANSMITTER
NTS



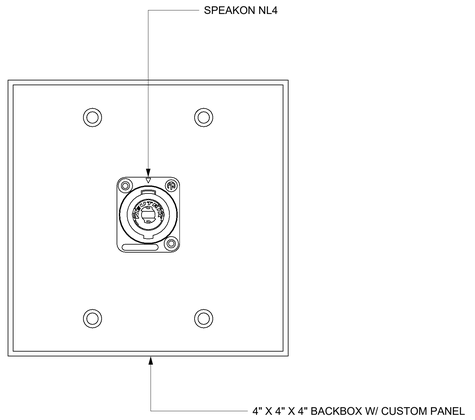
4 "ANT" PANEL - WIRELESS MICROPHONE TRANSMITTER
NTS



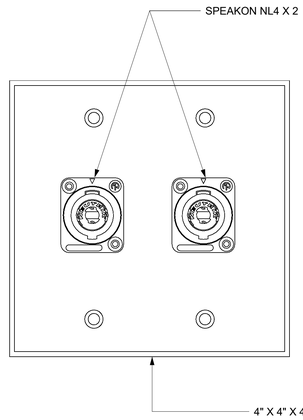
5 "E" PANEL - AV PANEL CUSTOM
NTS



6 "MIC" PANEL - DIGITAL AUDIO PANEL
NTS

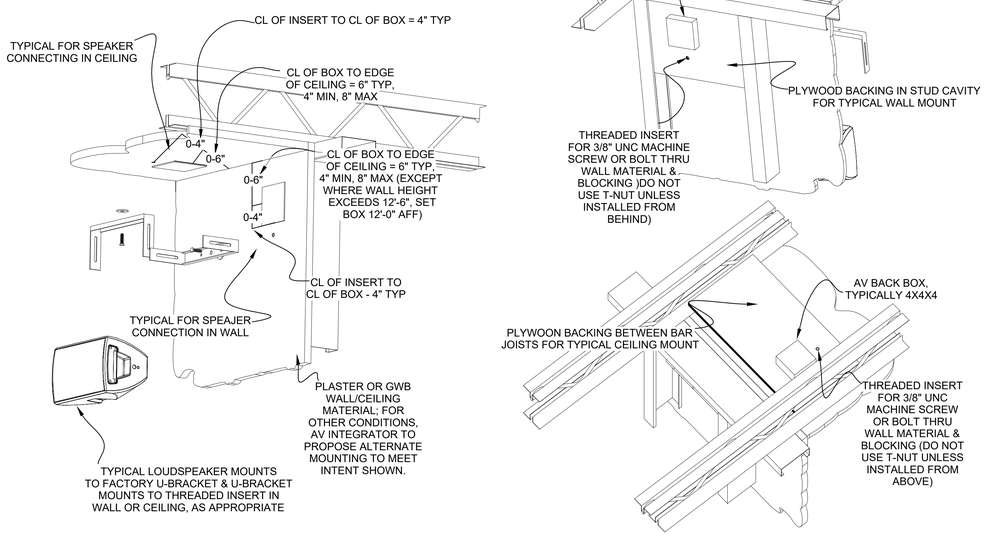


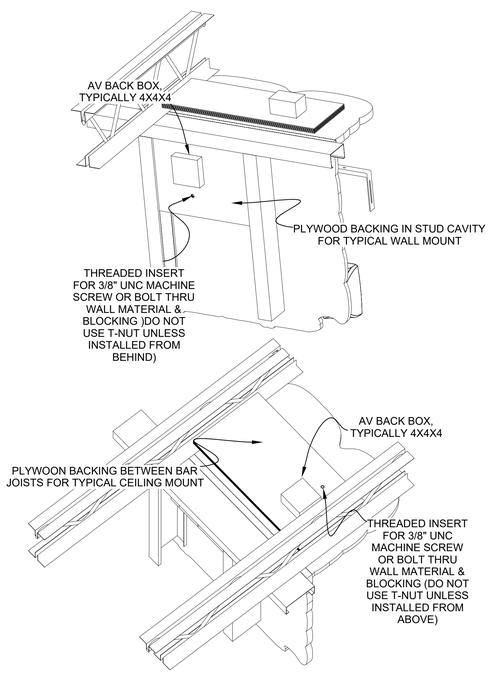
7 "S" PANEL - SPEAKER PANEL
NTS



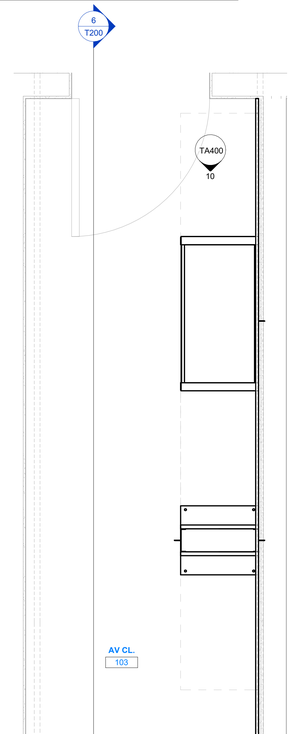
11 "S1" PANEL - SPEAKER PANEL
NTS

1. TYPICAL CONDITIONS SHOWN FOR INTENT ONLY AV INTEGRATOR TO PROVIDE FINAL DESIGN APPROPRIATE TO FIELD CONDITIONS.
2. AV INTEGRATOR TO PROVIDE AV BACK BOX & PANEL; BLOCKING AND INSERT ARE TYPICALLY BY GC/CM.
3. BOTH WALL & CEILING CONDITIONS SHOWN; TYPICALLY ONLY ONE OR THE OTHER IS REQUIRED AT EACH LOCATION. REFER TO LOCATION DRAWINGS.

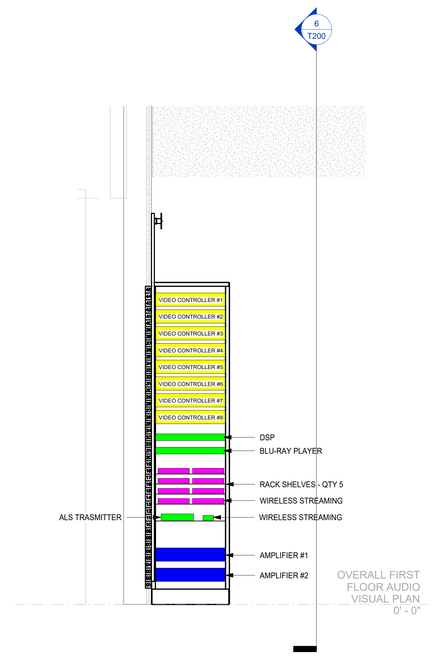




8 SPEAKER MOUNTING
NTS



9 AV CL. 103 DETAIL
3/4" = 1'-0"



10 AV CLOSET 103 - AV RACK ELEVATION VIEW
3/4" = 1'-0"

TRUE NORTH

Architecture
Engineering
Environmental
Land Surveying
BL Companies
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2815 Fax

CCRI - FLANAGAN COMMONS
1752 Old Louisquisset Pike
Lincoln, RI 02865

REVISIONS
NO | DATE | DESCRIPTION

Designed: ND
Drawn: ND
Reviewed: MD
Project No.: 240014
Date: 02/14/2025
Issued for:
BID

Title:
AUDIO VISUAL DETAILS

Sheet No.
TA400

2/13/2025 3:55:43 PM Autodesk Docs://CCRI/CCRI AV - CENTRAL - R24.rvt

© 2022 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.