

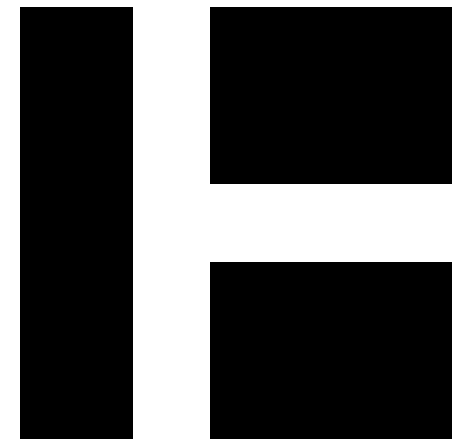
YORK SCHOOL DEPARTMENT ELECTRICAL UPGRADES

YORK, MAINE

CONSTRUCTION DOCUMENTS
MARCH 23, 2021

LIST OF DRAWINGS

G00-1	COVER SHEET
ELECTRICAL DRAWINGS	
E00-1	LEGEND, GENERAL NOTES AND SPECIFICATIONS
E20-1	YORK MIDDLE SCHOOL LIGHTNING PROTECTION POWER PLAN
E60-1	VILLAGE ELEMENTARY POWER RISER DIAGRAM



HARRIMAN

YORK SCHOOL
DEPARTMENT
ELECTRICAL UPGRADES

YORK, MAINE

Harriman Project No.	20339
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CONSTRUCTION DOCUMENTS

MARCH 23, 2021

Rev	Date	Revision Description

PA / PE: MJB	© 2021
Drawn By: DRE	Harriman Associates

COVER SHEET

G00-1

ELECTRICAL LEGEND

LP-1,3	HOMERUN TO PNLBRD - ARROWS INDICATE NUMBER OF CIRCUITS. CROSS LINES INDICATE NUMBER OF CONDUCTORS OTHER THAN TWO
	CIRCUIT NUMBER(S)
	PANEL DESIGNATION
	WIRING CONCEALED IN WALL OR CEILING
	WIRING IN RACEWAY CONCEALED UNDER FLOOR
	2x4 RECESSED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	2x2 RECESSED LIGHT FIXTURE
	SURFACE MOUNTED ROUND LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	RECESSED DOWNLIGHT FIXTURE
	WALL SCONCE LIGHT FIXTURE
	VACANCY SENSOR - SHALL BE COMPATIBLE WITH LIGHTING CONTROLS. CONTRACTOR SHALL PROVIDE POWER PACKS AS NEEDED.
	SINGLE POLE SWITCH - MOUNTED C/L UP 48" UNLESS NOTED OTHERWISE
	DIMMER SWITCH - ON/OFF & RAISE LOWER - MOUNTED C/L UP 48" UNLESS NOTED OTHERWISE CONTRACTOR SHALL PROVIDE 0-10V DIMMING
	DUPLEX CONVENIENCE RECEPTACLE - MOUNTED C/L UP 24" UNLESS NOTED OTHERWISE
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE - MOUNTED C/L UP 24" UNLESS NOTED OTHERWISE
	GFCI DUPLEX CONVENIENCE RECEPTACLE - MOUNTED C/L UP 24" UNLESS NOTED OTHERWISE
	DUPLEX CONVENIENCE RECEPTACLE - MOUNTED ABOVE COUNTERTOP AND BACK SPLASH. COORDINATE WITH MILLWORK
	GFCI DUPLEX CONVENIENCE RECEPTACLE - MOUNTED ABOVE COUNTERTOP AND BACK SPLASH. COORDINATE WITH MILLWORK
	SPECIALTY RECEPTACLE
	FLUSH MOUNTED FLOORBOX WITH DULPEX RECEPTACLE, PROVIDE BRASS COVER PLATE COMPATIBLE WITH FLOOR SURFACE.
	ELECTRIC BASEBOARD HEAT
	SURFACE WIREMOLD
	DATA OUTLET
	WALL PHONE OUTLET
	VOICE OUTLET
	PUSH BUTTON
	BELL
	JUNCTION BOX
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	ELECTRICAL MOTOR
	EXISTING PANELBOARD
	PANELBOARD
	TELEPHONE CABINET
	FIRE ALARM MANUAL PULL STATION - MOUNTED C/L UP 48"
	FIRE ALARM HORN/LIGHT UNIT - CANDLE POWER (CD) PER NFPA 72 AND AS NOTED - 15/75 WHERE NOT OTHERWISE INDICATED ON PLANS - MOUNTED BOTTOM OF STROBE UP 80" ON WALL
	FIRE ALARM STROBE LIGHT UNIT - CANDLE POWER (CD) PER NFPA 72 AND AS NOTED - 15/75 WHERE NOT OTHERWISE INDICATED ON PLANS - MOUNTED BOTTOM OF STROBE UP 80" ON WALL
	FIRE ALARM MAGNETIC DOOR HOLDER
	FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED
	FIRE ALARM MASTER BOX
	EXIT SIGN WITH ARROWS AS INDICATED OR HATCH INDICATES FACE - CEILING MOUNTED - FED FROM LOCAL NORMAL LIGHTING CIRCUIT SERVING SPACE
	EXIT SIGN WITH ARROWS AS INDICATED OR HATCH INDICATES FACE - WALL MOUNTED DIRECTLY ABOVE DOOR - FED FROM LOCAL NORMAL LIGHTING CIRCUIT SERVING SPACE
	WALL MOUNTED EMERGENCY LIGHTING BATTERY UNIT - FED FROM LOCAL NORMAL LIGHTING CIRCUIT SERVING SPACE
	CEILING MOUNTED EMERGENCY LIGHTING BATTERY UNIT - FED FROM LOCAL NORMAL LIGHTING CIRCUIT SERVING SPACE
	EMERGENCY LIGHTING REMOTE HEAD
	DOOR CONTACT
	SPEAKER - CEILING MOUNTED. SHOWN FOR REFERENCE ONLY, ALL PA SYSTEM SPEAKERS,COMPONENTS AND ASSOCIATED WORK SHALL BE DONE BY OTHERS.

DEMOLITION NOTES:

- ELECTRICAL INDICATED IS AS GENERALLY FOUND (DECEMBER 2020). THE INTENT OF THE EXISTING CONDITIONS PLAN(S) IS TO DOCUMENT EXISTING CONDITIONS. HOWEVER, ALL ELECTRICAL DEVICES MAY NOT NECESSARILY BE INDICATED ON THE DRAWINGS. FIELD VERIFY AND ADJUST WORK TO SUIT ALL FOUND.
- REFER TO PLANS TO DETERMINE EXTENT OF WORK IN EACH AREA, INCLUDING WHETHER DEVICES ARE TO REMAIN, BE REMOVED, REPLACED, ETC., EXCEPT AS NOTED. GENERALLY THE INTENT IS THAT IF EXISTING DEVICES ARE SHOWN ON THE EXISTING CONDITIONS PLANS AND NEW DEVICES ARE SHOWN ON THE NON-DEMO PLANS THEN EXISTING DEVICES ARE TO BE REMOVED. IF EXISTING DEVICES ARE SHOWN ON BOTH THEN DEVICES ARE TO REMAIN.
- ALL EXISTING ITEMS INTENDED FOR REMOVAL SHALL BE REMOVED WITH ALL ASSOCIATED HARDWARE INCLUDING, BUT NOT LIMITED TO: CONDUIT, BOXES, WIRING, CABLES, HANGERS, ETC...
- COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS FOR MECHANICAL AND PLUMBING EQUIPMENT TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUIT, BOXES, WIRING, ETC...
- CONDUIT IN GOOD CONDITION AND PROPERLY LOCATED MAY BE REUSED WHERE APPLICABLE, UNLESS NOTED OTHERWISE.
- IN AREAS NOT RENOVATED BY THIS CONTRACT VERIFY THAT ELECTRICAL POWER, LIGHTING AND SYSTEMS ARE NOT AFFECTED BY THE ALTERATIONS. PROVIDE ALL WORK AS REQUIRED TO MAINTAIN POWER AND PROPER OPERATION OF SYSTEMS.
- PROVIDE WORK REQUIRED TO MAINTAIN EXISTING COMMUNICATIONS CABLING SERVING PORTIONS OF THIS BUILDING AND CAMPUS THAT IS NOT PART OF THIS RENOVATION OR PHASE OF WORK.

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 70, NATIONAL ELECTRICAL CODE (NEC), OSHA REGULATIONS, AS WELL AS APPLICABLE REGULATIONS OF THE PERTINENT FEDERAL, STATE, COUNTY, AND CITY AGENCIES. PROVIDE MATERIALS AND EQUIPMENT THAT COMPLY WITH ANSI, IEEE, IES, AND NEMA STANDARDS, WHERE APPLICABLE. PROVIDE ONLY MATERIALS THAT ARE U.L. LISTED AND LABELED.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND INSPECT EXISTING CONDITIONS, SERVICES, CONDUITS, SPATIAL CONSIDERATIONS AND ALL OTHER PERTINENT CONDITIONS TO FULLY FAMILIARIZE THEMSELF WITH CONDITIONS TO BE ENCOUNTERED IN THE PERFORMANCE OF THIS WORK. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR DURING CONSTRUCTION. FAILURE TO DO SO WILL NOT RELIEVE THE ELECTRICAL CONTRACTOR OF THE RESPONSIBILITY FOR FULL COMPLETION OF THE WORK IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS. VERIFY EXISTING SYSTEMS THAT WILL BE UTILIZED FOR CONNECTION TO THE NEW SYSTEM. IF DISCREPANCIES EXIST BETWEEN THE CONTRACT DRAWINGS AND THE ACTUAL EXISTING CONDITIONS, THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER/OWNER PRIOR TO PROCEEDING WITH THE INSTALLATION.
- CONDUIT RUNS ARE SHOWN DIAGRAMATICALLY. INSTALL CONDUIT WITH A MINIMUM OF BENDS IN THE SHORTEST PRACTICAL DISTANCE FOLLOWING THE LINES OF THE BUILDING, CONSIDERING THE BUILDINGS CONSTRUCTION AND OBSTRUCTIONS, EXCEPT WHERE OTHERWISE NOTED.
- ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS THAT ARE NOT PROVIDED BY OTHER DIVISIONS, SHALL BE PROVIDED BY DIVISION 26, UNLESS SPECIFICALLY NOTED OTHERWISE.
- ALL PENETRATIONS THROUGH FIRE-RATED FLOORS, WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
- NOT USED.
- UNLESS OTHERWISE NOTED, WIRING SHALL BE 2#12 AWG CONDUCTORS & #12 GND. HOMERUNS FED FROM 20A, SINGLE POLE CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG UNLESS INDICATED OTHERWISE. INSULATION TYPE SHALL BE THHN/THWN, 75 DEG. C, AND 600V CLASS UNLESS SPECIFIED OTHERWISE.
- FLEXIBLE CONNECTIONS TO MOTORS SHALL BE FLEXIBLE LIQUID TIGHT CONDUIT.
- UNLESS OTHERWISE NOTED, ALL WIRING SHALL BE 600V, COPPER WITH THHN-THWN INSULATION.
- ALL GENERAL NOTES, SYMBOLS, LISTS, ABBREVIATIONS AND DETAILS ARE TO BE CONSIDERED APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT.
- WHERE A DISCREPANCY OCCURS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE MOST STRINGENT SHALL PREVAIL. CONTACT THE ENGINEER FOR CLARIFICATION WHEN SUCH A SITUATION OCCURS.
- WHERE MATERIAL IS CALLED OUT IN THE LEGEND BY MANUFACTURER, TYPE OR CATALOG NUMBER, SUCH DESIGNATIONS ARE TO ESTABLISH STANDARDS OR DESIRED QUALITY. ACCEPTANCE OR REJECTION OF THE PROPOSED SUBSTITUTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT, DEVICES, AND FURNITURE REQUIREMENTS, PRIOR TO ROUGHING IN FOR SAME.
- IN AREAS AFFECTED BY THIS RENOVATION, THE ELECTRICAL SUBCONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING ELECTRICAL SERVICE.
- PRIOR TO REMOVAL OF EQUIPMENT, THE OWNER WILL INDICATE WHICH EXISTING DEVICES OR MATERIALS SHALL BE SALVAGED AND TURNED OVER FOR STORAGE.
- WHERE EXISTING EQUIPMENT AND DEVICES ARE TO BE RELOCATED, ALL ASSOCIATED WIRING, CONDUIT AND ACCESSORIES SHALL BE EXTENDED, RELOCATED OR REPLACED WHERE REQUIRED.
- WHERE IT IS INDICATED THAT EXISTING WIRING IS TO BE REUSED, THE ELECTRICAL SUBCONTRACTOR SHALL VERIFY THAT THE INTEGRITY OF THE INSULATION IS ADEQUATE FOR REUSE. ALL SUSPECT WIRING SHALL BE REPLACED BY THE SUBCONTRACTOR.

SPECIFICATIONS

DIVISION 16 - ELECTRICAL

PART 1 - GENERAL

- SECTION INCLUDES
 - BASIC ELECTRICAL REQUIREMENTS
 - INTENT IS PROVIDE AND INSTALL ALL MATERIALS & LABOR TO IMPLEMENT THE DESIGN AS INTENDED FOR A COMPLETE WORKING ELECTRICAL SYSTEMS, AS REQUIRED TO ACCOMMODATE THE NEW ADDITION & EQUIPMENT. WORK SHALL ALSO INCLUDE ALL ELECTRICAL DEMOLITION TO ALLOW FOR THE ALTERATIONS.
- PERFORMANCE REQUIREMENTS
 - CONFORM TO REQUIREMENTS OF THE LATEST EDITION OF ANS/NFPA 70 NATIONAL ELECTRICAL CODE (N.E.C.).
 - CONFORM TO REQUIREMENTS OF ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS, PLUS LOCAL ELECTRIC UTILITY COMPANY'S RULES, AND THE FIRE UNDERWRITERS' REQUIREMENTS.
 - FURNISH PRODUCTS LISTED AND CLASSIFIED BY UNDERWRITERS' LABORATORIES, INC. (U.L.) AS SUITABLE FOR PURPOSE SPECIFIED AND SHOWN.
 - SECURE AND PAY FOR ALL PERMITS AND CERTIFICATES AS REQUIRED BY LOCAL, STATE AND FEDERAL LAWS.
 - REQUEST INSPECTIONS FROM AUTHORITY HAVING JURISDICTION.
 - CIRCUITS SHALL BE BALANCED AND LOADS AND CAPACITIES SHALL BE IN ACCORDANCE WITH N.E.C. CRITERIA AND NATIONAL BOARD OF FIRE UNDERWRITERS. EXACT LOCATIONS OF ALL EQUIPMENT SHALL BE VERIFIED AT THE SITE, WITH THE OWNER AND ARCHITECT.
 - THE ENTIRE ELECTRICAL SYSTEM SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH CODE REQUIREMENTS.

- SEQUENCING AND SCHEDULING
 - SCHEDULE AND COORDINATE ALL WORK WITH THE OWNER AND THE CONTRACTOR. DEMOLITION AND REMOVAL OF ELECTRICAL ITEMS ARE INCLUDED AS PART OF DIVISION 16.
 - ARRANGE TO EXECUTE THE WORK AT SUCH TIMES AND IN SUCH LOCATIONS AS MAY BE REQUIRED TO PROVIDE UNINTERRUPTED SERVICES FOR THE BUILDING, OR ANY OF ITS SECTIONS.
 - SERVICES INCLUDE BUT NOT LIMITED TO: POWER, LIGHTING, FIRE ALARM, PAGING,INTERCOM, TELEPHONE, COMPUTER, AND LIFE SAFETY SYSTEMS AS REQUIRED TO MAINTAIN SAFE OCCUPANCY.
 - IF NECESSARY, INSTALL TEMPORARY WORK TO PROVIDE FOR THIS CONDITION. AUTHORIZATION FOR INTERRUPTING SERVICES FOR ANY PORTIONS OF THE BUILDING SHALL BE OBTAINED, IN WRITING, FROM THE OWNER.
 - COSTS FOR OVERTIME WORK AND TEMPORARY WORK SHALL BE INCLUDED.
 - ALL EXISTING WIRING THAT IS DISCONNECTED SHALL BE COMPLETELY REMOVED TO SOURCE. ALL EXISTING WIRING THAT IS DISTURBED BUT INTENDED TO REMAIN, SHALL BE REFEED AND RECONNECTED AS REQUIRED.
 - ALL ELECTRICAL ITEMS REMOVED SHALL BE RETURNED TO THE OWNER. AT THE OWNERS OPTION, CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF REMAINING ITEMS NOT WANTED BY THE OWNER.

PART 2 - PRODUCTS

- DEVICES
 - EXTERIOR GFCI RECEPTACLES SHALL BE HUBBELL GFWRST20 OR EQUAL.
 - INTERIOR GFCI RECEPTACLES SHALL BE TAMPER-RESISTANT,SPECIFICATION GRADE HUBBELL GFTRST20 OR EQUAL.
 - EXTERIOR RECEPTACLE COVER PLATES: NEMA 3R , HUBBELL RW SERIES OR EQUAL.

2.2 WIRE AND CABLE

- ALL WIRING SHALL BE COPPER, THWN/THHN, COLOR CODED AS INDICATED BELOW, MINIMUM SIZE #12 AWG. ALL CONDUCTORS SHALL BE IN EMT OR RGS CONDUIT AND SHALL BE PROPERLY SUPPORTED.
 - EXCEPTION: CONCEALED BRANCH CIRCUITS IN ACCESSIBLE LOCATIONS MAY BE TYPE MC CABLE #12 & #10 WITH FULL SIZED INSULATED GROUND.
- WIRE COLOR CODE SHALL BE AS FOLLOWS:

	277/480V	120/208V
PHASE A	BROWN	BLACK
PHASE B	ORANGE	RED
PHASE C	YELLOW	BLUE
NEUTRAL	GREY	WHITE
GROUND	GREEN	GREEN

VERIFY COLOR CODING WITH OWNER. USE OWNER'S CODING IF NOT AS LISTED ABOVE.
- DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE, HORSE POWER RATED.

2.3 PANELBOARDS

- COPPER BUS, BOLT ON BREAKERS, 10,000 AIC FOR 120/208 VOLTS.
- DESIGNED FOR THREE PHASE FOUR WIRE, SOLID NEUTRAL, 60HZ, 120/208V.
- ENCLOSURE: NEMA TYPE 1 CODE GAUGE GALVANIZED STEEL TUBS WITH ENAMELED STEEL FRONTS AND DOOR IN DOOR TRIM. FLUSH LOCKS KEYED ALIKE.

PART 3 - EXECUTION

3.1 WORKMANSHIP AND INSTALLATION

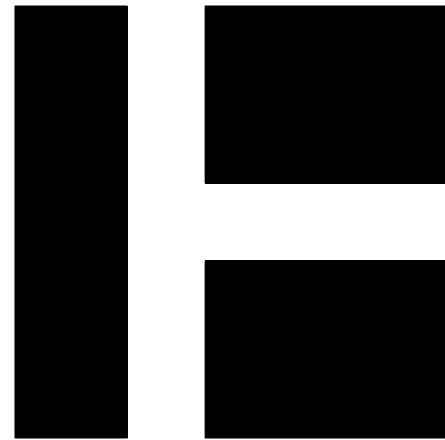
- EXECUTE ALL WORK IN A NEAT MANNER ACCEPTABLE TO THE OWNER, THE LOCAL AND STATE ELECTRICAL INSPECTOR. FOLLOW MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
- PERFORM ALL ELECTRICAL WORK BY LICENSED ELECTRICIANS WELL SKILLED IN THE TRADE AND SUPERVISED BY A MASTER ELECTRICIAN.

3.2 INSTALLATION

- UPDATE PANEL SCHEDULES & PANEL LABELS ON NEW PANELS AND PANELS SHOWN MODIFIED REFLECTING CHANGES. CIRCUIT NUMBERS ARE SHOWN TO INDICATE QUANTITIES. ADJUST NUMBERS PER JOB CONDITIONS. AT END OF JOB, EACH PANEL WITH MODIFICATIONS SHALL HAVE NEW ENGRAVED NAMEPLATE AND NEW TYPED DIRECTORY SCHEDULE IDENTIFYING TYPE OF LOAD AND AREA SERVED.
- PROVIDE AND INSTALL BONDING CONDUCTOR TO EACH ELECTRICAL ITEM AND OTHERS AS INDICATED.
- ALL OUTLET FACEPLATES SHALL BE IVORY NYLON.
- ALL WIRING IN FINISHED AREAS SHALL BE CONCEALED. WIRING IN STORAGE AREAS MAY BE EXPOSED AND RUN HORZ AND VERT AGAINST SURFACES AND ALONG BOTTOM OF JOIST.
- ALL WIRES SHALL BE RUN IN CONDUIT OR DUCT SYSTEM WITH BOTH ENDS TAGGED, MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS INDICATED OTHERWISE.
- ALL WIRING TO LIGHTING FIXTURES SHALL BE IN CONDUIT EXCEPT DROPS TO FIXTURES. DROPS (WHIPS) TO LIGHT FIXTURES SHALL BE FLEXIBLE MC CABLE, MAXIMUM 6' LONG.
- ALL PENETRATIONS THROUGH WALLS SHALL BE SEALED. FIRE STOP SEALANTS SHALL BE USED TO MEET RATINGS OF WALLS BEING PENETRATED.
- OUTLET BOXES FOR ALL CONCEALED WORK SHALL BE MINIMUM 4" SQUARE, WITH RAISED COVERS AS REQUIRED TO EXTEND FLUSH TO FINISHED SURFACE. GANGED WALL BOXES FOR MULTIPLE SWITCHES SHALL BE ACCEPTABLE.

3.3 TESTING AND ADJUSTING

- THE INSTALLATION SHALL BE FREE FROM SHORT CIRCUITS AND IMPROPER GROUNDS. TEST IN THE PRESENCE OF THE ARCHITECTS OR THEIR REPRESENTATIVES.
- TEST ALL LIGHTING AND OUTLETS FOR PROPER OPERATION, INCLUDING ADJACENT SPACES TO ASSURE THAT THEY WERE NOT AFFECTED BY THE RENOVATIONS.
- TEST EACH SYSTEMS FOR PROPER OPERATION AND MAKE ADJUSTMENTS AS REQUIRED TO SATISFY THE CONSTRUCTION MANAGER AND THE OWNER.



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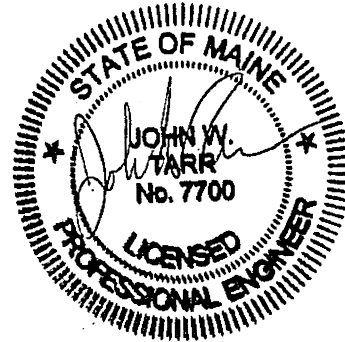
YORK SCHOOL
DEPARTMENT
ELECTRICAL UPGRADES

YORK , MAINE	
Harriman Project No.	20339
Key Plan	Proj North

CONSTRUCTION DOCUMENTS

MARCH 23,2021

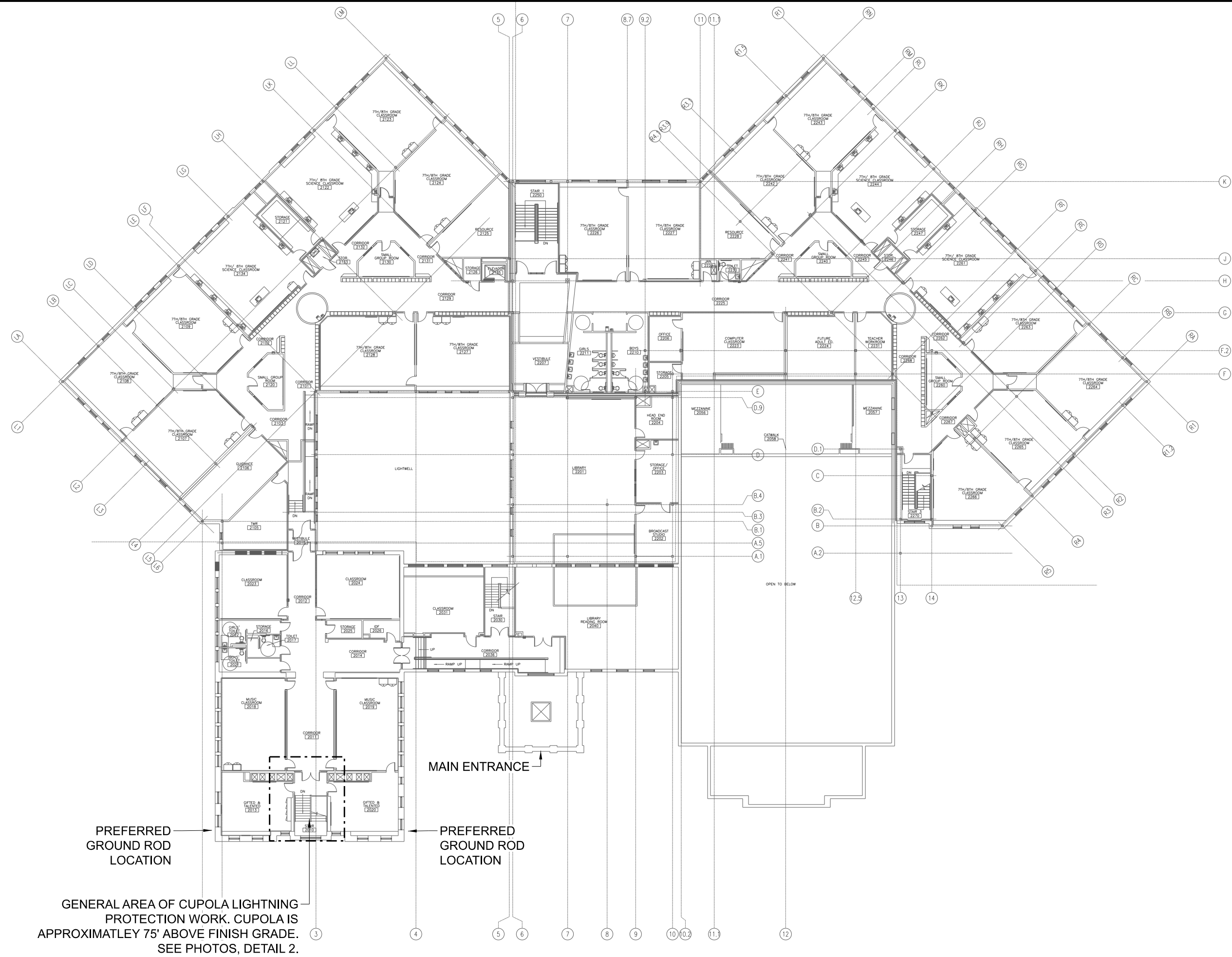
Rev Date	Revision Description



Drawing Scales	
PA / PE: JWT	© 2021 Harriman Associates
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LEGEND,
GENERAL NOTES AND
SPECIFICATIONS

E00-1



1 LIGHTNING PROTECTION PLAN
SCALE: 1/32" = 1'-0"



PHOTO 1



PHOTO 2



PHOTO 3

2 PHOTOS FOR REFERENCE
SCALE: NO SCALE

NOTES:

CONTRACTOR SHALL SUBMIT A DESIGN COMPLETED BY A LICENSED LIGHTNING PROTECTION INSTALLER FOR REVIEW.

CONTRACTOR SHALL PROVIDE A COMPLETE LIGHTNING PROTECTION SYSTEM INSTALLED ON THE EXISTING COPPER, ROOFTOP "CUPOLA" OR DOME. SYSTEM SHALL CONSIST OF ALL REQUIRED COMPONENTS INCLUDING:

- *COPPER AIR TERMINAL(S) AND BASE(S)
- *COPPER LIGHTNING PROTECTION DOWN CONDUCTORS
- *CABLE GUARDS
- *GROUND RODS
- *CLAMPS
- *TERMINATION FITTINGS

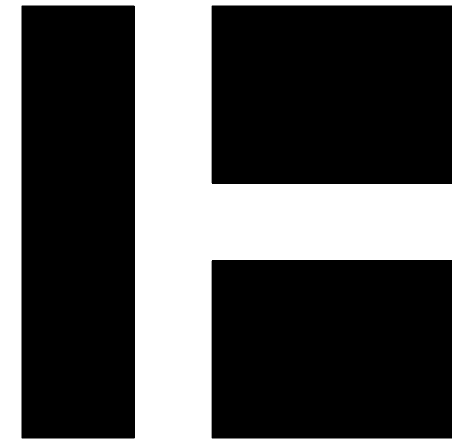
** CONTRACTOR SHALL REMOVE REMNANTS OF ABANDONED CABLE ON CUPOLA FLOOR. SEE DETAIL 2, PHOTO 3.

MULTIPLE PANELS IN THIS FACILITY HAVE PANEL SHEDULES THAT ARE INCOMPLETE AND NOT UP TO DATE. CONTRACTOR SHALL INCLUDE IN THEIR BID, THE UPDATING OF PANEL SCHEDULES LISTED BELOW. IDENTIFY ALL UNMARKED BRANCH CIRCUITS, PROVIDE NEW, TYPED, UP TO DATE PANEL SCHEDULES REFLECTING CURRENT CONDITIONS. ALL ABANDONDED WIRING SHALL BE REMOVED.

LIST OF PANELS:

- EDP1A
- PPG2 SECT2
- PPG3
- PPK1 SECT1
- PPK1 SECT2
- PP1B SECT2
- PP1C SECT2
- PP2D
- LPG3
- LPG4
- LP1B
- LP2C
- DISTRIBUTION PANEL (LOCATED ABOVE STAGE, ON MEZZANINE.)

3 PANEL SCHEDULES
SCALE: NO SCALE



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YORK SCHOOL
DEPARTMENT
ELECTRICAL UPGRADES

YORK, MAINE

Harriman Project No. 20339

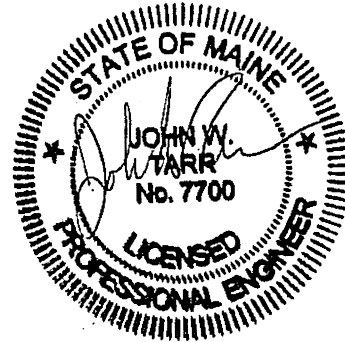
Key Plan Proj North



CONSTRUCTION DOCUMENTS

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Drawing Scales 1/8" = 1'-0" 0 4' 8' 12'

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YORK MIDDLE SCHOOL
LIGHTNING PROTECTION
POWER PLAN

E20-1

A1		VOLTAGE: 120/208 PH & WIRES: 3P-4W BUSES: 225				MAIN BREAKER: MLO AIC RATING: 10K AIC MOUNTING: FLUSH				LOCATION: CORRIDOR FEEDER: SEE RISER							
LOAD DESCRIPTION		5 A	10 A	15 A	20 A	25 A	WATT LOADS			30 A	35 A	40 A	45 A	50 A	55 A	60 A	LOAD DESCRIPTION
		PH A			PH B			PH C			WATTS						
TUB 1 OF 1 - REMARKS: NEW PANEL																	
SPARE	20	1	1	1	0	0	---	---	0	2	1	1	20				SPARE
LIGHTS	20	1	3	3	0	---	---	---	0	4	4	1	20				UNKNOWN (OFF)
UNKNOWN (OFF)	20	1	5	5	0	---	---	---	0	6	6	1	20				UNKNOWN (OFF)
UNKNOWN (OFF)	20	1	7	7	0	0	---	---	0	8	8	1	20				UNKNOWN (OFF)
LIGHTS	20	1	9	9	0	---	---	---	0	10	10	1	20				UNKNOWN (OFF)
LIGHTS	20	1	11	11	0	---	---	---	0	12	12	2	20				UNKNOWN (OFF)
UNKNOWN (OFF)	20	1	13	13	0	---	---	---	---	14	-	-	-				UNKNOWN (OFF)
UNKNOWN	20	2	15	15	0	---	---	---	0	16	-	2	20				UNKNOWN (OFF)
	20	1	-	17	---	---	---	---	0	18	-	-	-				
SPARE	20	1	19	0	0	---	---	---	0	20	1	20					SPARE
SPARE	20	1	21	0	---	---	---	---	0	22	1	20					SPARE
SPARE	20	1	23	0	---	---	---	---	0	24	1	20					SPARE
SPARE	20	1	25	0	0	---	---	---	0	26	1	20					SPARE
SPARE	20	1	27	0	---	---	---	---	0	28	1	20					SPARE
SPARE	20	1	29	0	---	---	---	---	0	30	1	20					SPARE
SPARE	20	1	31	0	0	---	---	---	0	32	1	20					SPARE
SPARE	20	1	33	0	---	---	---	---	0	34	1	20					SPARE
SPARE	20	1	35	0	---	---	---	---	0	36	1	20					SPARE
SPARE	20	1	37	0	0	---	---	---	0	38	1	20					SPARE
SPARE	20	1	39	0	---	---	---	---	0	40	1	20					SPARE
SPARE	20	1	41	0	---	---	---	---	0	42	1	20					SPARE
TOTAL AMPS: 0		0			0			0			TOTAL WATTS: 0						
REMARKS:		SEE NOTE 5															
02/09/2021																	

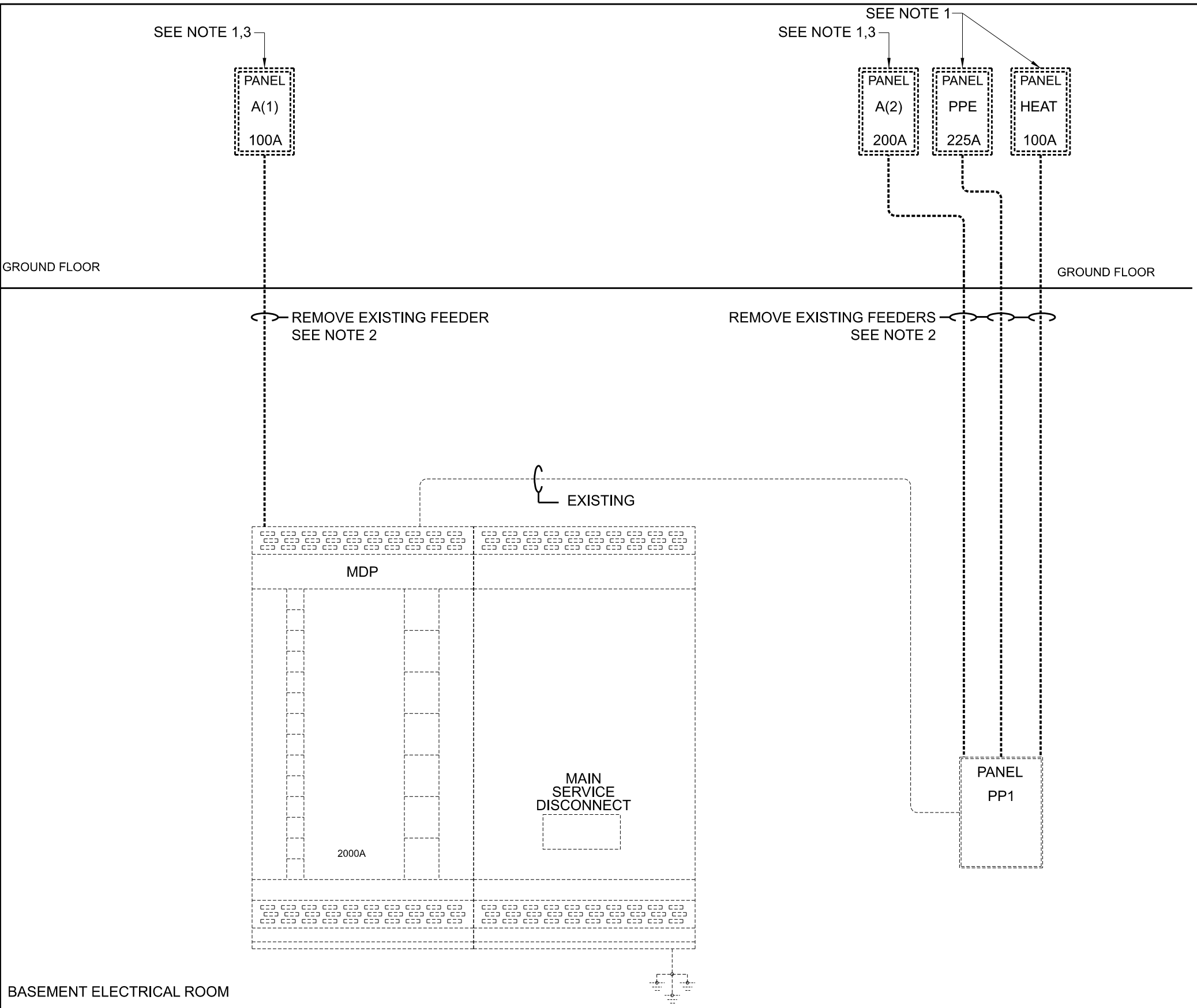
A2		VOLTAGE: 120/208 PH & WIRES: 3P-4W BUSES: 225				MAIN BREAKER: MLO AIC RATING: 10K AIC MOUNTING: FLUSH				LOCATION: CORRIDOR FEEDER: SEE RISER							
LOAD DESCRIPTION		5 A	10 A	15 A	20 A	25 A	WATT LOADS			30 A	35 A	40 A	45 A	50 A	55 A	60 A	LOAD DESCRIPTION
							PH A	PH B	PH C	WATTS							
TUB 1 OF 1 -REMARKS: NEW PANEL																	
QUARTZ LTS ROW 1	20	1	1	1	0	0	---	---	---	0	2	2	1	20			MULTI RM RECPTS
QUARTZ LTS ROW 2	20	1	3	3	0	---	---	---	---	0	4	4	1	20			MULTI RM RECPTS
QUARTZ LTS ROW 3	20	1	5	5	0	---	---	---	---	0	6	6	1	20			SPARE
QUARTZ LTS ROW 4	20	1	7	7	0	0	---	---	---	0	8	8	1	20			SPARE
QUARTZ LTS ROW 5	20	1	9	9	0	---	---	---	---	0	10	10	1	20			LOBBY UNIT HEATER
QUARTZ LTS ROW 6	20	1	11	11	0	---	---	---	---	0	12	12	1	20			SPARE IN KITCHEN
RECPTS AREA 7.8, MUSIC	20	1	13	13	0	0	---	---	---	0	14	14	1	20			SPARE
SPARE	20	1	15	0	---	---	---	---	---	0	16	16	1	20			F.A. CABINET
GYM GARAGE LTS	20	1	17	17	0	---	---	---	---	0	18	18	1	20			MULTI RM RECPTS
UNKNOWN	20	1	19	19	0	0	---	---	---	0	20	20	1	20			SPARE
SPARE IN KITCHEN	20	1	21	0	---	---	---	---	---	0	22	22	1	20			SPARE
106 RECPT	20	1	23	23	0	---	---	---	---	0	24	24	1	20			SPARE
106 LTS	20	1	25	25	0	0	---	---	---	0	26	26	1	20			SPARE
OUTLETS MUSIC	20	1	27	27	0	---	---	---	---	0	28	28	1	20			OUTSIDE LIGHTS
LIGHTS MUSIC	20	1	29	29	0	---	---	---	---	0	30	30	1	20			SPARE
SPARE	20	1	31	0	0	---	---	---	---	0	32	32	1	20			SPARE
SPARE	20	1	33	0	---	---	---	---	---	0	34	34	1	20			SPARE
SPARE	20	1	35	0	---	---	---	---	---	0	36	36	1	20			SPARE
SPARE	20	1	37	0	0	---	---	---	---	0	38	38	1	20			SPARE
SPARE	20	1	39	0	---	---	---	---	---	0	40	40	1	20			SPARE
SPARE	20	1	41	0	---	---	---	---	---	0	42	42	1	20			SPARE
TOTAL AMPS: 0		0			0			0			TOTAL WATTS: 0						
REMARKS:		SEE NOTE 5															
02/09/2021																	

HEAT		VOLTAGE: 120/208 PH & WIRES: 3P-4W BUSES: 225				MAIN BREAKER: MLO AIC RATING: 10K AIC MOUNTING: SURFACE				LOCATION: CLOSET FEEDER: SEE RISER			
LOAD DESCRIPTION		5 A	10 A	15 A	20 A	25 A	30 A	35 A	40 A	45 A	50 A	55 A	60 A
WATT LOADS		PH A	PH B	PH C	WATTS	PH A	PH B	PH C	WATTS	PH A	PH B	PH C	WATTS
TUB 1 OF 1 - REMARKS: NEW PANEL													
SPARE	20	3	1	0	0	---	---	---	0	2	2	3	20
-	-	-	3	---	---	---	---	---	4	-	-	-	---
-	-	-	5	---	---	---	---	---	6	-	-	-	---
CAPETERIA LEFT SIDE UV	20	3	7	7	0	0	---	---	0	8	8	3	20
-	-	-	9	---	---	---	---	---	10	-	-	-	---
-	-	-	11	---	---	---	---	---	12	-	-	-	---
CAPETERIA RIGHT SIDE UV	20	3	13	13	0	0	---	---	0	14	14	3	20
-	-	-	15	---	---	---	---	---	16	-	-	-	---
-	-	-	17	---	---	---	---	---	18	-	-	-	---
UNKNOWN	20	3	19	0	0	---	---	---	0	20	20	3	20
-	-	-	21	---	---	---	---	---	22	-	-	-	---
-	-	-	23	---	---	---	---	---	24	-	-	-	---
EX FANS	20	3	25	25	0	0	---	---	0	26	26	3	20
-	-	-	27	---	---	---	---	---	28	-	-	-	---
-	-	-	29	---	---	---	---	---	30	-	-	-	---
UNKNOWN	20	3	31	0	0	---	---	---	0	32	32	3	20
-	-	-	33	---	---	---	---	---	34	-	-	-	---
-	-	-	35	---	---	---	---	---	36	-	-	-	---
SPACE	1	-	37	0	0	---	---	---	0	38	38	3	20
SPACE	1	-	39	0	---	---	---	---	40	-	-	-	---
SPACE	1	-	41	0	---	---	---	---	42	-	-	-	---
TOTAL AMPS: 0		0			0			0			TOTAL WATTS: 0		
REMARKS: VERIFY ALL BREAKER SIZES AND CONFIGURATION SEE NOTE 5													
02/09/2021													

PPE		VOLTAGE: 120/208 PH & WIRES: 3P-4W BUSES: 225				MAIN BREAKER: MLO AIC RATING: 10K AIC MOUNTING: FLUSH				LOCATION: CORRIDOR FEEDER: SEE RISER						
LOAD DESCRIPTION		5 A	10 A	15 A	20 A	25 A	WATT LOADS				5 A	10 A	15 A	20 A	LOAD DESCRIPTION	
							PH A	PH B	PH C	WATTS						
TUB 1 OF 1 - REMARKS: NEW PANEL																
LIGHTS AREA 5	20	1	1	1	0	0	---	---	---	0	2	2	1	20	LIGHTS AREA 6	
LIGHTS AREA 5	20	1	3	3	0	---	---	---	---	0	4	4	1	20	LIGHTS AREA 6	
KIT COUNTER RECPT	20	1	5	5	0	---	---	---	---	0	6	6	1	20	LIGHTS KINDER #2	
KIT COUNTER RECPT	20	1	7	7	0	0	---	---	---	---	0	8	8	1	20	LIGHTS KINDER #2
LIGHTS KINDER #1	20	1	9	9	0	---	---	---	---	0	10	10	1	20	LIGHTS PASSAGE #1	
LIGHTS KINDER #1	20	1	11	11	0	---	---	---	---	0	12	12	1	20	CONFERENCE RECPTS	
PORCH LIGHTS	20	1	13	13	0	---	---	---	---	0	14	14	1	20	LIGHTS CORRIDOR #2	
MICRO - FRIDGE	20	1	15	15	0	---	---	---	---	0	16	16	1	20	LIGHTS TOILETS - JANITOR RM	
PORCH LT RECPT AREA 1	20	1	17	17	0	---	---	---	---	0	18	1	20		SPARE	
SPARE	20	1	19	0	0	---	---	---	---	0	20	1	20		SPARE	
RANGE RECPT	50	2	21	21	0	---	---	---	---	0	22	22	1	20	UNIT HTR CORR #2	
-	-	-	23	---	---	---	---	---	---	0	24	24	1	20	UNKNOWN	
WATER HTR	20	2	25	25	0	0	---	---	---	0	26	1	20		SPARE	
-	-	-	27	---	---	---	---	---	---	0	28	1	20		SPARE	
SPARE	20	1	29	0	0	---	---	---	---	0	30	30	1	20	EXIT LTS BATTERY	
SPARE	20	1	31	0	0	---	---	---	---	0	32	1	20		SPARE	
SPARE	20	1	33	0	---	0	---	---	---	0	34	1	20		SPARE	
SPARE	20	1	35	0	---	---	---	---	---	0	36	1	20		SPARE	
SPARE	20	1	37	0	0	---	---	---	---	0	38	-	1		SPACE	
SPARE	20	1	39	0	---	---	---	---	---	0	40	1	20		SPARE	
SPARE	20	1	41	0	---	---	---	---	---	0	42	1	20		SPARE	
TOTAL AMPS: 0		0			0			0			TOTAL WATTS: 0					
REMARKS: VERIFY ALL BREAKER SIZES SEE NOTE 5																
02/09/2021																

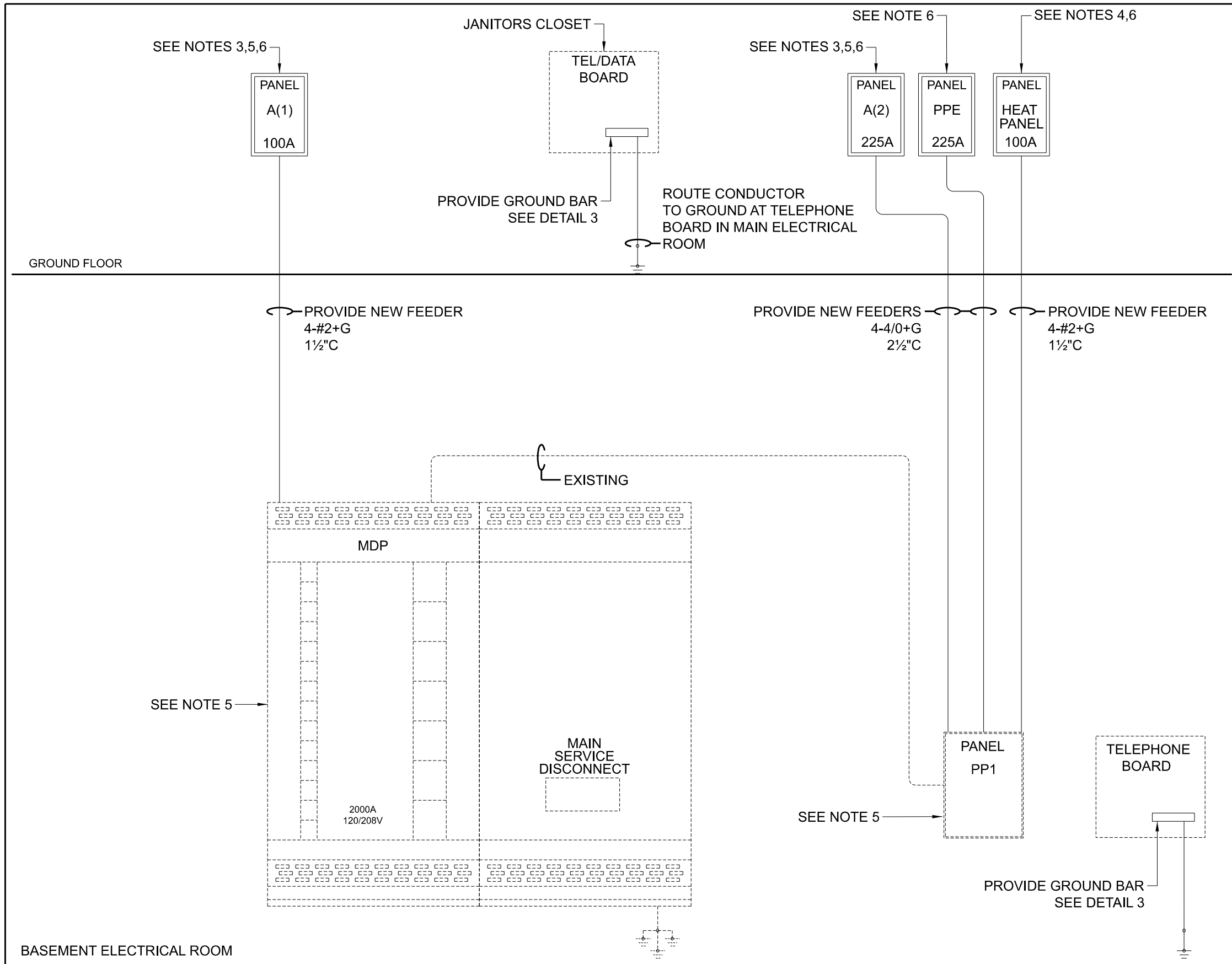
4 PANEL SCHEDULES

SCALE: NO SCALE



1 EXISTING PARTIAL RISER DIAGRAM DEMO

SCALE: NO SCALE



2