

AUSTIN INDEPENDENT SCHOOL DISTRICT

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AUSTIN , TX 78703



O'CONNELL ROBERTSON

Architecture - Engineering - Interiors

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SUMMARY OF DEFICIENCIES

Deficiency ID: DI-39078

Name: Site Drainage Improvements

Description: Drainage Study / Regrading Areas

Comments: It was reported that there are washout areas in the courtyards and around the wings that cause ponding. The soil erodes away exposing the foundation beam and breaching the crawl space.

Deficiency ID: DI-98953

Name: Electrical System Improvements

Description: Replace electrical equipment (switchgear, panelboard K) past design service life repair or remove broken conduit, assume 30%.

Comments: Panelboard K reported to be nearing end of service life. Building raw data shows switchgear aged-out. Broken conduit reported.

NOTE: CIVIL ENGINEER TO ISSUE PACKAGE BEFORE CONSTRUCTION

General Project Notes

- GENERAL NOTES APPLY TO ALL SHEETS.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND RELATED ITEMS REQUIRED TO COMPLETE THE DEMOLITION WORK AS INDICATED BY THE CONTRACT DOCUMENTS.
- CONTRACTOR TO VERIFY ALL DIMENSIONS.
- ALL ACCESSIBLE ROUTES (OTHER THAN RAMPS) SHALL NOT EXCEED A SLOPE OF 1:20, AND CROSS SLOPES SHALL NOT EXCEED A SLOPE OF 1:50
- THE DRAWINGS INDICATE BUILDING CONDITIONS PER EXISTING DRAWINGS AND ACTUAL PROJECT INVESTIGATION. THE CONTRACTOR SHALL ANTICIPATE POSSIBLE SLIGHT DEVIATION FROM THESE DRAWINGS. REFER TO ARCHITECTURAL & MEP DRAWINGS AND DETAILS FOR EXTENT OF DEMOLITION.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- INSTALL TEMPORARY DUST PARTITIONS WITH DOORS FOR CONSTRUCTION ACCESS AROUND AREAS OF WORK SO THAT OPERATIONS IN EXISTING ADJACENT AREAS REMAIN DUST FREE AND ACCESSIBLE TO BUILDING OCCUPANTS. MAINTAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
- REMOVE ALL BUILDING PARTS AND/OR OTHER ITEMS TO ALLOW FOR THE INSTALLATION AND CONNECTION OF NEW WORK. COORDINATE THE WORK WITH THE HVAC, PLUMBING AND ELECTRICAL DEMOLITION DRAWINGS.
- REMOVAL OF THE BUILDING PARTS SHALL BE PERFORMED IN A SAFE, ORDERLY AND CAREFUL MANNER, WITH THE CONSIDERATION AT ALL TIMES FOR THE SAFETY AND WELFARE OF THE OWNER, BLDG. OCCUPANTS, & PERSONNEL OF THE CONTRACTOR AND/OR SUBCONTRACTOR.
- MAINTAIN THE UTILITIES TO OCCUPIED SPACES AT ALL TIMES. COORDINATE ANY UTILITY DOWNTIMES W/ OWNER, PROVIDE 72 HOUR ADVANCE NOTICE TO THE OWNER OF INTENDED UTILI SHUT DOWN AND/OR DISRUPTION.

- ANY QUESTIONS CONCERNING OWNERSHIP OF SALVAGEABLE MATERIAL SHALL BE ANSWERED BY THE OWNER, OR OWNER REPRESENTATIVE. ALL ITEMS OTHER THAN FINISH MATERIAL TO BE REMOVED AS PART OF THIS CONTRACT ARE INDICATE WITH DASHED LINES ON DRAWINGS. DISPOSE OF THESE MATERIALS AND ITEMS AFTER CHECKING WITH OWN FOR ITEMS TO BE SALVAGED. SALVAGE ANY ITEMS REQUIRE TO COMPLETE NEW WORK.

- REMOVE ALL MISCELLANEOUS DEVICES AS REQUIRED TO INSTALL NEW FINISHES, INCLUDING BUT NOT LIMITED TO: PLUMBING FIXTURES, SINKS, SWITCH PLATES, TELEVISION BRACKETS, WALL OUTLET COVERS, TOILET ACCESSORIES, CORNER GUARDS, ETC. SAVE FOR REINSTALLATION AFTER COMPLETION OF FINISH WORK.

- PROTECT ALL EXISTING FINISHES. DOOR FRAMES, EQUIPME AND MATERIALS THAT ARE TO REMAIN IN PLACE. DAMAGE T EXISTING COMPONENTS BY CONTRACTOR SHALL BE REPLACED WITH NEW MATERIAL OF LIKE KIND AND QUALITY THAT MATCH THE EXISTING STANDARDS. THE CONTRACTOR RESPONSIBLE FOR PREPARING EXISTING SURFACES TO RECEIVE NEW FINISHES SCHEDULED

- PROTECT EXISTING VEGETATION, INCLUDING EXISTING TREE DURING CONSTRUCTION. REVEGETATE DAMAGED AREAS ADJACENT TO NEW CONSTRUCTION; CONTRACTOR SHALL MAINTAIN VEGETATED AREAS FOR 3 WEEKS AFTER INITIAL PLANTING

- REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR OTHER WORK.

- ELECTRICAL AND MECHANICAL INSTALLATIONS MAY REQUIRE WORK ABOVE EXISTING CEILINGS BOTH IN THE AREA OF WORK AND IN ADJACENT AREAS (POSSIBLY ON OTHER FLOORS). REMOVE AND REINSTALL (OR REPLACE) CEILING TILES AND GRID AS REQUIRED. REMOVE GYPSUM BOARD AT WALLS AND CEILINGS AND REPLACE AS REQUIRED.

- UNLESS NOTED OTHERWISE, ALL EXISTING ELECTRICAL OUTLETS & FIXTURES IN REMODELED AREAS ARE TO BE REMOVED & RETURNED TO OWNER. SEE ELECTRICAL SHEETS FOR DEVICES & CIRCUITS TO BE REUSED.

- ALL ITEMS AND ASSOCIATED CONNECTIONS ARE TO BE REMOVED AND TERMINATED AT DESIGNATED POINTS. SERVICE CONNECTIONS SHALL BE SAFELY REMOVED, CAPPED OR PLUGGED IN CONFORMITY WITH LOCAL LAWS AND ORDINANCES, REQUIREMENTS OF PUBLIC UTILITY COMPANIES, AND OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, AND IN SUCH MANNER AS NOT TO INTERFERE WITH THE USE OF THE OCCUPIED SPACES IN THE BUILDING.

- IF A CONDUIT OR UTILITY LINE IS CUT WHILE SLEEVEING OR CUTTING THE SLAB OR REMOVING A PARTITION, THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING IT IMMEDIATELY.

- ANY EXISTING TO REMAIN FIREPROOFING OR FIRE ASSEMBLIES DAMAGED DURING CONSTRUCTION ARE TO BE REPAIRED TO ORIGINAL FIRE PROTECTION REQUIREMENTS.

- IMMEDIATELY SEAL ALL PENETRATIONS IN EXISTING STRUCTURE OPENED DURING DEMOLITION WITH FIRESTOPPING MATERIAL AND/OR WATERPROOFING.

- SEAL ALL PENETRATIONS, NEW AND EXISTING, ABOVE CEILINGS AT RATED FIRE WALLS IN AREAS OF WORK.

ARCHITECTURAL ABBREVIATIONS

ACV	ABOVE	D	DRAIN	FRT	FIRE RESISTANT TREATED	M	METER	PSF	POUNDS PER SQUARE FOOT	TB	TACK BOARD
ACV	ACOUSTICAL	DBL	DOUBLE	FT	FOOT	MAS	MASONRY	PSI	POUNDS PER SQUARE INCH	TOC	TOP OF CURB
ADJ	ADJUSTABLE	DEM	DEMOLISH, DEMOLITION	FURR	FURRING	MAX	MAXIMUM	PT	PRESSURE TREATED	TOSC	TOP OF STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR	DEPT	DEPARTMENT	FWC	FABRIC WALL COVERING	MDF	MEDIUM DENSITY FIBER BOARD			TEL	TELEPHONE
ALUM	ALUMINUM	DF	DRINKING FOUNTAIN			MED	MEDIUM	QT	QUARRY TILE	THK	THICK
ALT	ALTERNATE	DIA or Ø	DIAMETER	GA	GAUGE	MEMB	MEMBRANE	QTB	QUARRY TILE BASE	TOL	TOP OF BEAM
ANOD	ANODIZED	DIM	DIMENSION	GALV	GALVANIZED	MTL	METAL			TOP	TOP OF PAVEMENT
APPROX	APPROXIMATELY	DIV	DIVISION	GB	GRAB BAR	MFR	MANUFACTURER	RI	RISER	TOM	TOP OF MASONRY
AWP	ACOUSTICAL WALL PANEL	DL	DEAD LOAD	GC	GENERAL CONTRACTOR	MH	MANHOLE	R	RADIUS	TOS	TOP OF STEEL (BOTTOM OF ROOF)
		DN	DOWN	GLCU	GLAZED GLASS CURTAIN WALL	MIN	MINIMUM	RB	RUBBER BASE	TP	TOILET PARTITION
BD	BOARD	DS	DOWN SPOUT	GI	GALVANIZED IRON	MISC	MISCELLANEOUS	RCP	REFLECTED CEILING PLAN	TV	TELEVISION
BLDG	BUILDING	DSP	DRY STAND PIPE	GL	GLASS	MM	MILLIMETER	RD	ROOF DRAIN	TYP	TYPICAL
BOT	BOTTOM	DTL	DETAIL	GLB	GLASS BLOCK	MO	MASONRY OPENING	REF	REFERENCE	TZ	TERRAZZO
BW	BOTH WAYS	DWG	DRAWING	GMT	GLASS MOSAIC TILE	MOD	MODULAR	REFR	REFRIGERATOR	TZB	TERRAZZO BASE
BM	BENCH MARK			GMTW	GLASS MOSAIC TILE WALL	MTD	MOUNTED(ING)	REINF	REINFORCING		
		E	EAST	GR	GRADE	MUL	MULLION	REQ	REQUIRE(D) (ING)	UC	UNDERCUT
C	CHANNEL	EA	EACH	GYP	GYPSONUM			REV	REVISION	UNO	UNLESS OTHERWISE NOTED
CC	CUBICAL CURTAIN	EF	EPOXY FLOOR	GYP BD	GYPSONUM BOARD	N	NORTH	RHT	RIGHT HAND	USC	UNDER SEPARATE CONTRACT
CK	CORK	EFB	EPOXY FLOOR BASE			NAT	NATURAL	RM	ROOM(S)		
CAB	CABINET	EJ	EXPANSION JOINT	HC	HOLLOW CORE	NC	NOT IN CONTRACT	ROW	RIGHT OF WAY	VAR	VARNISH
CB	CHALK BOARD	EG	END GUARD	HDR	HEADER	NO or #	NUMBER	RWVC	RIGID VINYL WALL COVERING	VB	VAPOR BARRIER
CFCI	CONTRACTOR FURNISH CONTRACTOR INSTALL	EL	ELEVATION	HDW	HARDWARE	NOM	NOMINAL			VBS	VINYL BASE
CFOI	CONTRACTOR FURNISH OWNER INSTALL	ET	EPOXY TERRAZZO FLOOR	HDWD	HARDWOOD	NRC	NOISE REDUCTION COEFFICIENT	S	SOUTH	VCT	VINYL COMPOSITION TILE
CFT	CUBIC FOOT	ETB	EPOXY TERRAZZO BASE	HGT	HEIGHT	NTS	NOT TO SCALE	SB	SPLASH BLOCK	VERT	VERTICAL
CG	CORNER GUARD	ELECT	ELECTRICAL	HM	HOLLOW METAL			SC	SOLID CORE	VEST	VESTIBULE
CLG	CENTER LINE	EM	ENTRANCE MAT	HORIZ	HORIZONTAL	OC	ON CENTER	SCHED	SCHEDULE	VTL	VINYL TILE
CI	CEILING	EMER	EMERGENCY	HP	HIGH POINT	OD	OUTSIDE DIAMETER	SECT	SECTION	VTR	VENT THROUGH ROOF
CLO	CAST IRON	ENCL	ENCLOSURE	HR	HANDRAIL	OFD	OVERFLOW ROOF DRAIN	SHR	SHOWER	VWC	VINYL WALL COVERING
CLOSET	CLOSET	EP	EPOXY PAINT	HVC	HEATING VENTILATION AIR CONDITIONING	OFF	OFFICE	SHR	SHOWER		
CLR	CLEAR	EQ	EQUAL			OFCI	OWNER FURNISH OWNER INSTALL	SIM	SIMILAR		
CMP	CROWN MOLDING PAINTED	EQUIP	EQUIPMENT	ID	INSIDE DIAMETER	OFCI	OWNER FURNISH CONTRACTOR INSTALL	SPEC	SPECIFICATION(S)	W	WEST
CMS	CROWN MOLDING STAINED	EWC	ELECTRIC WATER COOLER	INCL	INCLUDING	OVH	OVERHEAD	SPK	SPEAKER	WI	WITH
CMT	CERAMIC MOSAIC TILE	EXP	EXPANSION	INSUL	INSULATION	OH	OPPOSITE HAND	SQ	SQUARE	WBP	WOOD BASE PAINTED
CMTB	CERAMIC MOSAIC TILE BASE	EXT	EXISTING	INT	INTERIOR	OS	OPPOSITE SIDE	SS	STAINLESS STEEL	WBS	WOOD BASE STAINED
CMTW	CERAMIC MOSAIC TILE WALL	EXT	EXTERIOR	IPS	IRON PIPE SIZE	OPP	OPPOSITE	STC	STONE COUNTERTOP	WC	WOOD CLOSET
CMU	CONCRETE MASONRY UNIT							STD	STONE WALL	WDS	WOOD STAINED
CO	CASED OPENING	FA	FIRE ALARM	J	JOIST	P	PAINTED	STB	STONE BASE	WIN	WINDOW
COL	COLUMN	FBO	FURNISHED BY OTHERS	JAN	JANITOR	PARA	PARALLEL	STC	STAINED CONCRETE	WIO	WITHOUT
CONC	CONCRETE	FD	FLOOR DRAIN	JT	JOINT	PBD	PARTICLE BOARD	STD	STANDARD	WP	WOOD PANELING PREFINISHED
CONST	CONSTRUCTION	FE	FIRE EXTINGUISHER			PCF	POUNDS PER CUBIC FOOT	STL	STEEL	WPP	WOOD PANELING PAINTED
CR	CHAIR RAIL	FEC	FIRE EXTINGUISHER CABINET	KIT	KITCHEN	PERF	PERFORATED	STO	STORAGE	WPS	WOOD PANELING STAINED
CORR	CORRIDOR	FFE	FINISH FLOOR ELEVATION	KO	KNOCKOUT	PERI	PERIMETER	STR	STRUCTURAL	WST	WATER STOP
CPT	CARPET	FHC	FIRE HOSE CABINET			PFL	POUNDS PER LINEAR FOOT	SV	SHEET VINYL	WSCOT	WAINSCOT
CPTB	CARPET BASE	FHV	FIRE HOSE VALVE CABINET	L	LENGTH/LONG	PL	PLATE	SVB	SHEET VINYL COVED BASE	WT	WEIGHT
CT	CERAMIC TILE	FE	FINISHED END	LAB	LABORATORY	PLAM	PLASTIC LAMINATE	SYM	SYMMETRICAL	WWF	WELDED WIRE FABRIC
CTB	CERAMIC TILE BASE	FLR	FLOOR	LAM	LAMINATE	PLAS	PLASTER	SYS	SYSTEM		
CTW	CERAMIC TILE WALL	FOC	FACE OF CONCRETE	LH	LEFT HAND	PLYWD	PLYWOOD				
CTSK	COUNTERSINK	FOF	FACE OF FINISH	LI	LINOLEUM	PP	PORCELAIN PAVER				
CYD	CUBIC YARD	FOM	FACE OF MASONRY	LIB	LINOLEUM COVED BASE	PPB	PORCELAIN PAVER BASE				
		FOS	FACE OF STUDS	LIT	LINOLEUM TILE	PPW	PORCELAIN PAVER WALL				
		PPRF	FIREPROOFING	LL	LIVE LOAD	PR	PAIR				

DRAWING INDEX

GENERAL	
G1.0	COVER SHEET
G2.1	TAS ACCESSIBILITY
ARCHITECTU...	
A0.2	ACCESSORY AND SPACE TYPES
ELECTRICAL	
E1.1	ELECTRICAL NOTES, SYMBOLS AND...
E2.1	ELECTRICAL PLAN
E3.1	ONE-LINE DIAGRAM, DETAILS, & SCHEDULES

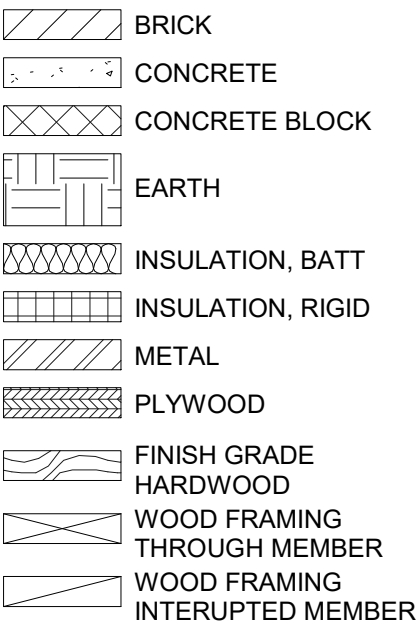
CAMPUS SITE PLAN



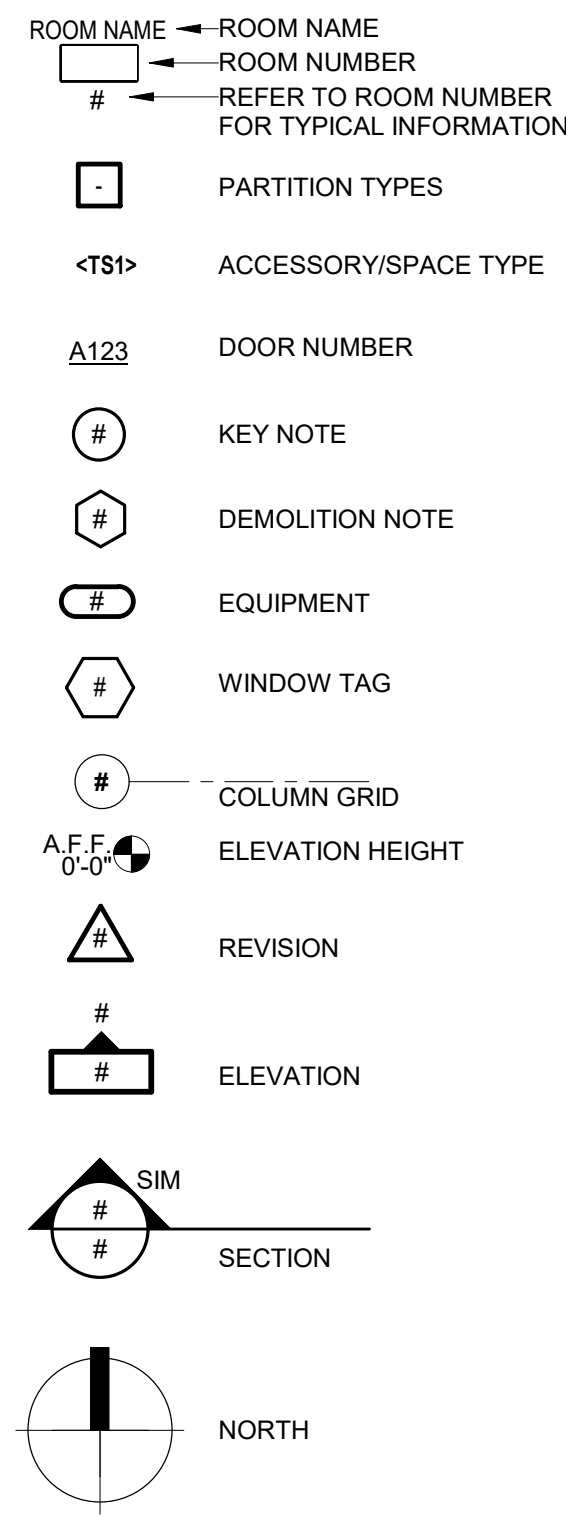
PROJECT LOCATION PLAN



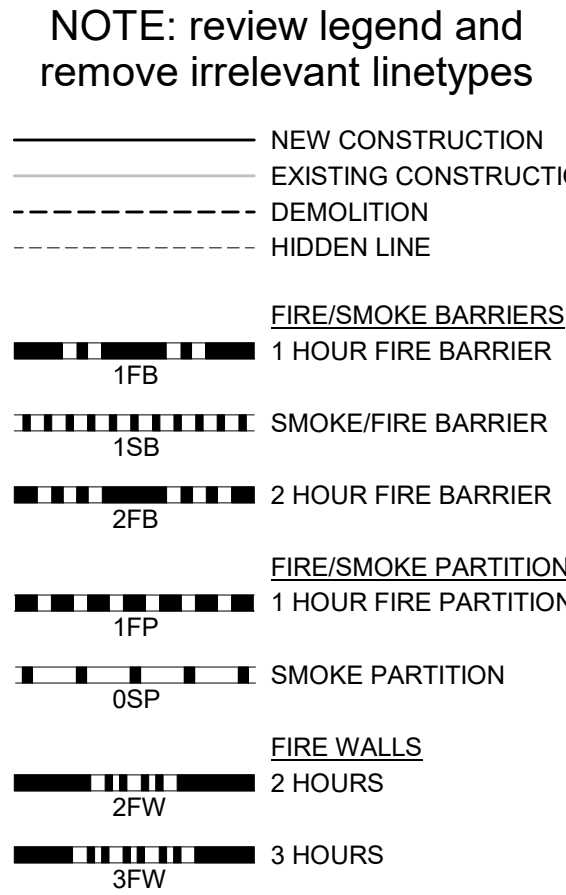
ARCHITECTURAL MATERIALS



ARCHITECTURAL SYMBOLS



ARCHITECTURAL LINETYPES



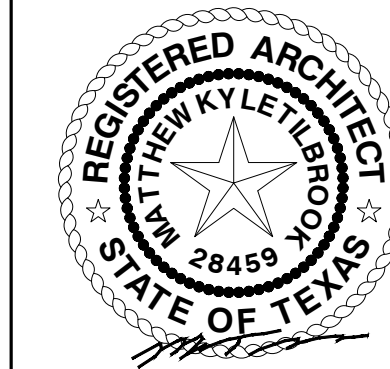
Mission: We believe every project has a mission and strive to design environments that have a purpose that extend far beyond form and function.

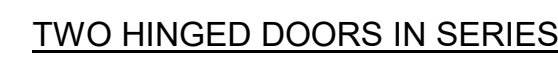
GULLETT ELEMENTARY

6310 Treadwell Blvd, Austin, TX 78757

CONTRACT DOCUMENTS

01/03/2019





DOOR NOTES:
1. DOOR THRESHOLDS: THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 3/4" IN HEIGHT FOR EXTERIOR SLIDING DOORS OR 1/2" FOR OTHER TYPES OF DOORS. THRESHOLDS AND FLOOR LEVEL CHANGES BETWEEN 1/4" AND 1/2" AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.



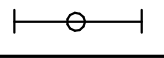
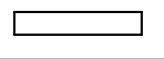
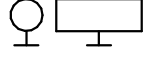

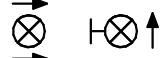
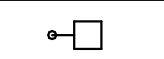

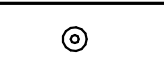

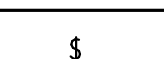
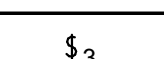
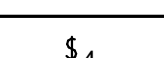
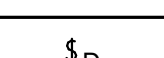
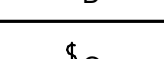
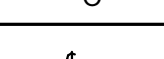
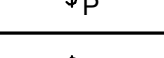
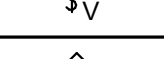

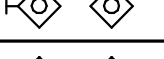



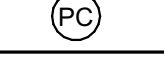

DOORS

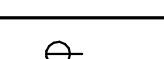
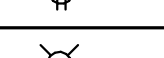
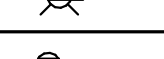
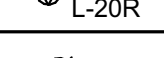
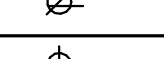

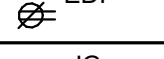
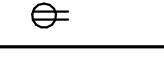
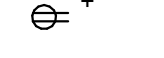
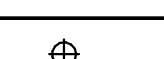
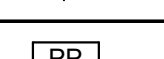

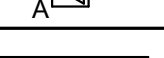
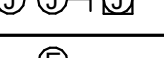
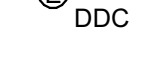
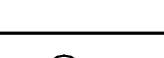
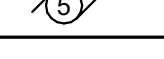
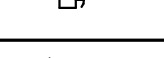
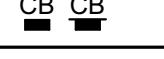
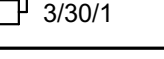
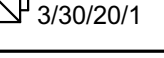
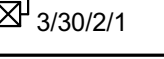
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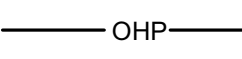
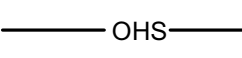
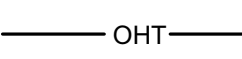
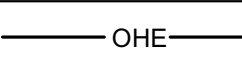
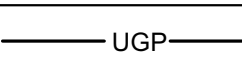
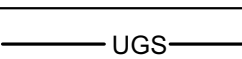
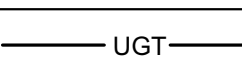
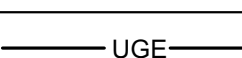
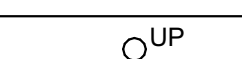



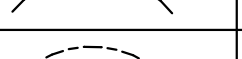
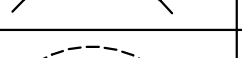
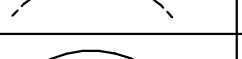
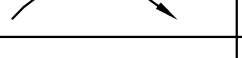
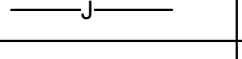
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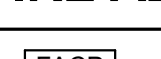
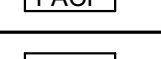
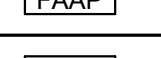
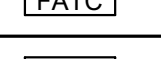


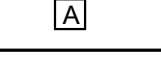
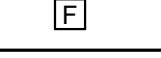
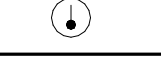



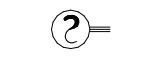



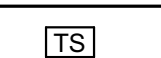
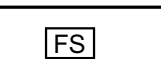


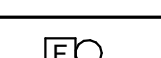
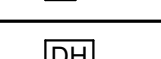
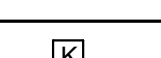
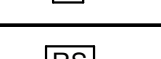
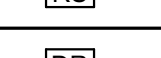
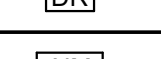
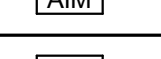
MOUNTING HEIGHTS


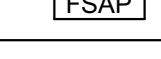
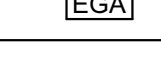
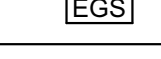

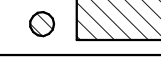


LIGHTING		MOUNT ALL SWITCHES & OCCUPANCY SENSORS AT 48" A.F.F. U.N.O.
A1 	CEILING LIGHT FIXTURE. LOWER CASE SUBSCRIPT INDICATES SWITCH SERVING FIXTURE OR SUBSCRIPT 'NL' INDICATES NON-SWITCHED NIGHT LIGHT.	
	CEILING-MOUNTED FIXTURE (ARROW INDICATES WALL WASHER OR SPOT AIMING DIRECTION).	
	INDUSTRIAL STRIP FIXTURE	
	ENCLOSED LINEAR LIGHT	
	WALL-MOUNTED FIXTURE	
	BATTERY POWERED EMERGENCY LIGHT	
	EXIT LIGHT FIXTURES (CEILING, WALL). SHADING INDICATES ILLUMINATED FACE(S). ARROWS INDICATE CHEVRONS.	
	SIDE-MOUNTED SITE LIGHTING FIXTURE AND POLE	
	TOP-MOUNTED SITE LIGHTING FIXTURE AND POLE	
	LIGHTED BOLLARD	
	DENOTES CIRCUIT NO. FOR ALL LIGHTS IN ROOM/AREA	
	SINGLE-POLE SWITCH, LINE-VOLTAGE	
	THREE-WAY SWITCH	
	FOUR-WAY SWITCH	
	DIMMER SWITCH	
	OCCUPANCY SENSOR SWITCH	
	SWITCH WITH PILOT LIGHT (WHEN ON)	
	VACANCY/MANUAL-ON SWITCH	
	LOW-VOLTAGE SWITCH. SUBSCRIPT, IF USED, INDICATES NUMBER OF ZONES OR SUBSCRIPT 'D' INDICATES DIMMER SWITCH.	
	OCCUPANCY SENSOR (WALL, CEILING)	
	VACANCY/ MANUAL-ON SENSOR (WALL, CEILING).	
	DAY/ AMBIENT LIGHT SENSOR	
	LOW VOLTAGE LIGHTING RELAY	
	LIGHT CONTROL PHOTO CELL	
	TIME CLOCK, NUMBER INDICATES NAMING CONVENTION	
	LIGHTING CONTACTOR, NUMBER INDICATES NAMING CONVENTION	

POWER		MOUNT ALL RECEPTACLES AT 18" A.F.F. U.N.O.
	SINGLE RECEPTACLE	
	DUPLEX RECEPTACLE	
	FOURPLEX (QUADPLEX) RECEPTACLE	
	CEILING DUPLEX RECEPTACLE	
	POWER RECEPTACLE W/NEMA CONFIGURATION AS INDICATED	
	DUPLEX RECEPTACLE WITH INTEGRAL "GFCI" PROTECTION	
	SPLIT-WIRED RECEPTACLE	
	GFCI RECEPTACLE FOR ELECTRIC DRINKING FOUNTAIN. MOUNT PER MANUFACTURER'S INSTRUCTIONS.	
	ISOLATED GROUND DUPLEX RECEPTACLE	
	MINUS SIGN INDICATES SPECIAL MOUNTING. CENTER RECEPTACLE IN KNEE SPACE AT 24" A.F.F.	
	PLUS SIGN INDICATES SPECIAL MOUNTING HEIGHT. UNLESS SHOWN OTHERWISE ON ARCHITECTURAL ELEVATIONS, OR U.N.O., INSTALL HORIZONTALLY WITH BOTTOM OF PLATE 2" ABOVE BACKSPASH OR 6" ABOVE COUNTER TOP IF NO BACKSPASH.	
	CORD DROP ASSEMBLY	
	POWER POLE. RECEPTACLE TYPES NOTED ON PLAN.	
	FLOOR BOX. SIZE & RECEPTACLE TYPES NOTED ON PLAN.	
	ACCESS FLOOR BOX	
	MULTI-OUTLET ASSEMBLY. SIZE, RECEPTACLE TYPES & MTG. HT. NOTED ON PLAN.	
	JUNCTION BOXES (CEILING/WALL/FLOOR)	
	EQUIPMENT OR MOTOR CONNECTION. FURNISH AND INSTALL ALL MATERIALS REQUIRED TO CONNECT PER MANUFACTURER'S REQUIREMENTS (INCLUDES FLEX CONNECTION, DISCONNECT SWITCH, RELAY, OR RECEPTACLE, IF REQUIRED). SUFFIX DENOTES TYPE OF EQUIPMENT. DDC = DIRECT DIGITAL CONTROLS, SEC = SECURITY CONTROLS, ETC.	
	MOTOR (HORSEPOWER NOTED)	
	PUSH BUTTON	
	MOTOR-RATED SWITCH	
	ENCLOSED CIRCUIT BREAKER (SURFACE/FLUSH)	
	DISCONNECT SWITCH (3 POLE/ 30 AMP / NEMA 1)	
	FUSED DISCONNECT SWITCH (3 POLE/ 30 AMP / 20 AMP FUSES/ NEMA 1)	
	COMBINATION STARTER - (3 POLE/ 30 AMP/ SIZED 2/ NEMA 1)	
	MOTOR STARTER (NEMA SIZE NOTED)	
	VARIABLE SPEED DRIVE (HANDLE INDICATES INTERNAL DISCONNECT FURNISHED)	
	PANELBOARD W/DESIGNATION (FLUSH-MOUNTED, SURFACE-MOUNTED)	
	EQUIPMENT NUMBER	

SITE ELECTRICAL		NOT ALL SYMBOLS WILL APPEAR ON THE DRAWINGS
	OVERHEAD ELECTRICAL PRIMARY	
	OVERHEAD ELECTRICAL SECONDARY	
	OVERHEAD TELEPHONE	
	OVERHEAD ELECTRICAL - GENERAL	
	UNDERGROUND ELECTRICAL PRIMARY	
	UNDERGROUND ELECTRICAL SECONDARY	
	UNDERGROUND TELEPHONE	
	UNDERGROUND ELECTRICAL - GENERAL	
	UTILITY POLE	

CIRCUITING		NOT ALL SYMBOLS WILL APPEAR ON THE DRAWINGS
	CIRCUIT CONCEALED IN CEILING OR WALL	
	SWITCHED LIGHTING	
	CIRCUIT UNDER SLAB OR UNDER GROUND	
	CIRCUIT HOMERUN	
	J-HOOK PATHWAY FOR CABLING WITH J-HOOKS AT 4" O.C. MAXIMUM	
	APPROXIMATE CABLE TRAY ROUTING - COORDINATE ACTUAL LOCATIONS WITH OBSTRUCTIONS	

FIRE ALARM		VISUAL ALARMS SHALL BE INSTALLED 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER
	FIRE ALARM CONTROL PANEL	
	FIRE ALARM ANNUNCIATOR PANEL	
	FIRE ALARM TERMINAL CABINET	
	FIRE ALARM REMOTE POWER SUPPLY FOR NOTIFICATION CIRCUITS	
	AUDIO VISUAL ALARM DEVICE (SUBSCRIPT, IF USED, INDICATES Cd)	
	VISUAL ALARM DEVICE (SUBSCRIPT, IF USED, INDICATES Cd)	
	AUDIBLE ALARM DEVICE	
	MANUAL PULL STATION - 48" A.F.F.	
	HEAT DETECTOR - CEILING MTD. (SUBSCRIPT, IF USED, INDICATES TEMPERATURE)	
	SMOKE DETECTOR - CEILING MTD. SUBSCRIPT "ER" WHERE USED INDICATES FOR ELEVATOR RECALL.	
	BEAM SMOKE DETECTOR RECEIVER - CEILING MOUNTED.	
	BEAM SMOKE DETECTOR TRANSMITTER.	
	DUCT-MOUNTED SMOKE DETECTOR (R = RETURN AIR, S = SUPPLY AIR, O = OUTSIDE AIR)	
	FIRE SMOKE DAMPER RELEASE	
	SMOKE DAMPER RELEASE	
	SUPERVISED RELAY WITH CONNECTION TO FIRE SUPPRESSION SYSTEM RELEASE DEVICE	
	SPRINKLER VALVE TAMPER SWITCH	
	SPRINKLER WATER FLOW SWITCH	
	SPRINKLER SYSTEM PRESSURE SWITCH	
	REMOTE TEST & MONITORING STATION FOR DUCT SMOKE DETECTOR	
	FIRE SPRINKLER WATER FLOW ALARM BELL (FURNISHED BY DIV 28)	
	MAGNETIC DOOR HOLD OPEN DEVICE	
	MONITORING MODULE FOR KITCHEN HOOD FIRE SUPPRESSION SYSTEM	
	SUPERVISED RELAY WITH CONNECTION TO ROLLING SHUTTER RELEASE	
	SUPERVISED RELAY WITH CONNECTION TO DOOR LOCK RELEASE DEVICE	
	ADDRESSABLE INPUT MODULE	
	ADDRESSABLE OUTPUT MODULE	
	ADDRESSABLE ZONE MODULE	

EMERGENCY POWER SYSTEMS		NOT ALL SYMBOLS WILL APPEAR ON THE DRAWINGS
	FUEL SYSTEM ALARM PANEL	
	EMERGENCY GENERATOR ANNUNCIATOR	
	EMERGENCY GENERATOR STOP STATION	
	SWITCHED OPTIONAL STANDBY FIXTURES.	
	SWITCHED EMERGENCY FIXTURE (ON CRITICAL BRANCH IN HEALTH CARE OCCUPANCIES, U.N.O.)	
	NON-SWITCHED EMERGENCY FIXTURE (ON LIFE SAFETY BRANCH IN HEALTH CARE OCCUPANCIES, U.N.O.)	
	RECEPTACLE(S) ON EMERGENCY CIRCUIT W/ (ON CRITICAL BRANCH IN HEALTH CARE OCCUPANICES). RED DEVICE, RED WALL PLATE.	
	JUNCTION BOX/EQUIPMENT CONNECTION ON EMERGENCY SYSTEM	

GENERAL ABBREVIATIONS		OTHER ABBREVIATIONS MAY BE USED. NOTIFY ENGINEER IF CLARIFICATIONS ARE REQUIRED.	
ABV	ABOVE	GEC	GROUNDING ELECTRODE CONDUCTOR
AFF	ABOVE FINISH FLOOR	GFI	GROUND FAULT CIRCUIT INTERRUPTER
AFG	ABOVE FINAL GRADE	IG	ISOLATED GROUND
AHJ	AUTHORITY HAVING JURISDICTION	MTG. HT.	MOUNTING HEIGHT
AL	ALUMINUM	N	GROUNDIED CIRCUIT CONDUCTOR (NEUTRAL)
ATS	AUTOMATIC TRANSFER SWITCH	N1,N3R,N...	NEMA 1, NEMA 3R, NEMA RATING (AS NOTED)
BLW	BELOW	NL	NIGHT LIGHT
C	CONDUIT	NTS	NOT TO SCALE
CB	CIRCUIT BREAKER	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CKT	CIRCUIT	OFOI	OWNER FURNISHED, OWNER INSTALLED
CLG	CEILING	PB	PULL BOX
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	PH.W	PHASE, WIRE
CT	CURRENT TRANSFORMER	RCPT	RECEPTACLE
CU	COPPER	SC	SPLIT CIRCUIT
(E)	EXISTING	SDE	SERVICE DISTRIBUTION ENCLOSURE
EC	EMPTY CONDUIT	SPD	SURGE PROTECTIVE DEVICE
EDF	ELECTRIC DRINKING FOUNTAIN	ST	SHUNT TRIP
EM	EMERGENCY	TR	TAMPER RESISTANT
EOMH	ELECTRICAL OPERATED, MECHANICALLY HELD	U.N.O.	UNLESS NOTED OTHERWISE
ER	EXISTING RELOCATED	UG	UNDERGROUND
EXR	EXISTING TO REMAIN	VFD	VARIABLE FREQUENCY DRIVE
F/A	FIRE ALARM	WR	WEATHER-RESISTANT
G	GROUND	XFMR	TRANSFORMER

CODE COMPLIANCE

- INTERNATIONAL FIRE CODE (2015 EDITIONS) WITH ANY APPLICABLE LOCAL AMENDMENTS.
- INTERNATIONAL ENERGY CONSERVATION CODE (2015 EDITION) WITH ANY APPLICABLE LOCAL AMENDMENTS.
- NFPA 70-2017: NATIONAL ELECTRICAL CODE.
- NFPA 72-2018: NATIONAL FIRE ALARM AND SIGNALING CODE.
- NFPA 241: STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS (2019 EDITION).

ELECTRICAL GENERAL REQUIREMENTS & RESTRICTIONS

- NO WIRING SHALL BE INSTALLED IN STAIRWELLS, EXIT PASSAGEWAYS, HOISTWAYS OR ELEVATOR MACHINE ROOMS EXCEPT THAT EXCLUSIVELY USED TO SERVE THOSE AREAS.
- ALL PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION SHALL BE FIRE-STOPPED USING METHODS & MATERIALS COMPLYING WITH THE SPECIFICATIONS FOR THIS PROJECT.
- LIGHT SWITCHES AND RECEPTACLES FROM EMERGENCY POWER SYSTEMS AND NORMAL POWER SYSTEMS SHALL NOT BE COMBINED IN THE SAME BOXES OR RACEWAY SYSTEMS.
- ALL CIRCUITS TO ROOF MOUNTED EQUIPMENT SHALL BE INSTALLED ABOVE CEILING THEN UP THROUGH ROOF CURBS UNLESS NOTED OTHERWISE. NO CONDUITS SHALL BE RUN ON, ACROSS OR ABOVE ROOF. EXCEPTING FINAL CONNECTIONS TO EQUIPMENT NOT EXCEEDING 3 FEET MAXIMUM IN LENGTH.
- WHERE POSSIBLE AVOID BACK-TO-BACK INSTALLATION OF OUTLETS. DO NOT USE THROUGH THE WALL BOXES WHERE BACK-TO-BACK CONDITIONS CANNOT BE AVOIDED.

ELECTRICAL CIRCUITING

- UNLESS OTHERWISE INDICATED, ALL BRANCH CIRCUIT WIRING SHALL BE A MINIMUM OF 3/4" CONDUIT CONTAINING 2#12 CONDUCTORS AND 1#12 GROUNDING CONDUCTOR.
- WHERE HOME RUN LENGTH ON 20A SINGLE PHASE CIRCUITS EXCEEDS 75' ON 120 VOLT CIRCUITS OR 150' ON 277 VOLT CIRCUITS, THE CONDUCTOR SIZES IN HOME RUNS SHALL BE INCREASED TO #10 MINIMUM FROM SERVING PANEL TO FIRST OUTLET.
- 20A SINGLE PHASE CIRCUITS MAY BE COMBINED IN COMMON RACEWAYS AS ALLOWED BY THE NEC. COMMON NEUTRAL CONDUCTORS SHALL NOT BE USED.
- NEC CODE SIZED EQUIPMENT GROUNDING CONDUCTORS SHALL BE PROVIDED IN ALL BRANCH CIRCUITS & FEEDERS.
- DEDICATED HOME RUNS SHALL BE PROVIDED FROM OUTLET TO PANEL WHERE SINGLE OUTLET CIRCUITS ARE SHOWN. DO NOT COMBINE WITH WIRING FOR OTHER OUTLETS.
- SEE INDIVIDUAL FLOOR PLANS FOR SERVING PANELBOARD INFORMATION. CIRCUIT ALL OUTLETS WITH SAME NUMBERS ON SAME CIRCUIT.
- LIGHT SWITCHES SHOWN IN A ROOM CONTROL ALL LIGHTS IN THAT ROOM, UNLESS NOTED OTHERWISE. SWITCHLEGS FOR LIGHTING OR OTHER NON-LIGHTING EQUIPMENT ARE SHOWN ONLY WHERE REQUIRED TO INDICATE THE INTENDED CONTROL. SWITCHING MAY ALSO BE INDICATED BY THE USE OF LOWER CASE LETTERS ADJACENT TO CORRESPONDING SWITCHES & FIXTURES.

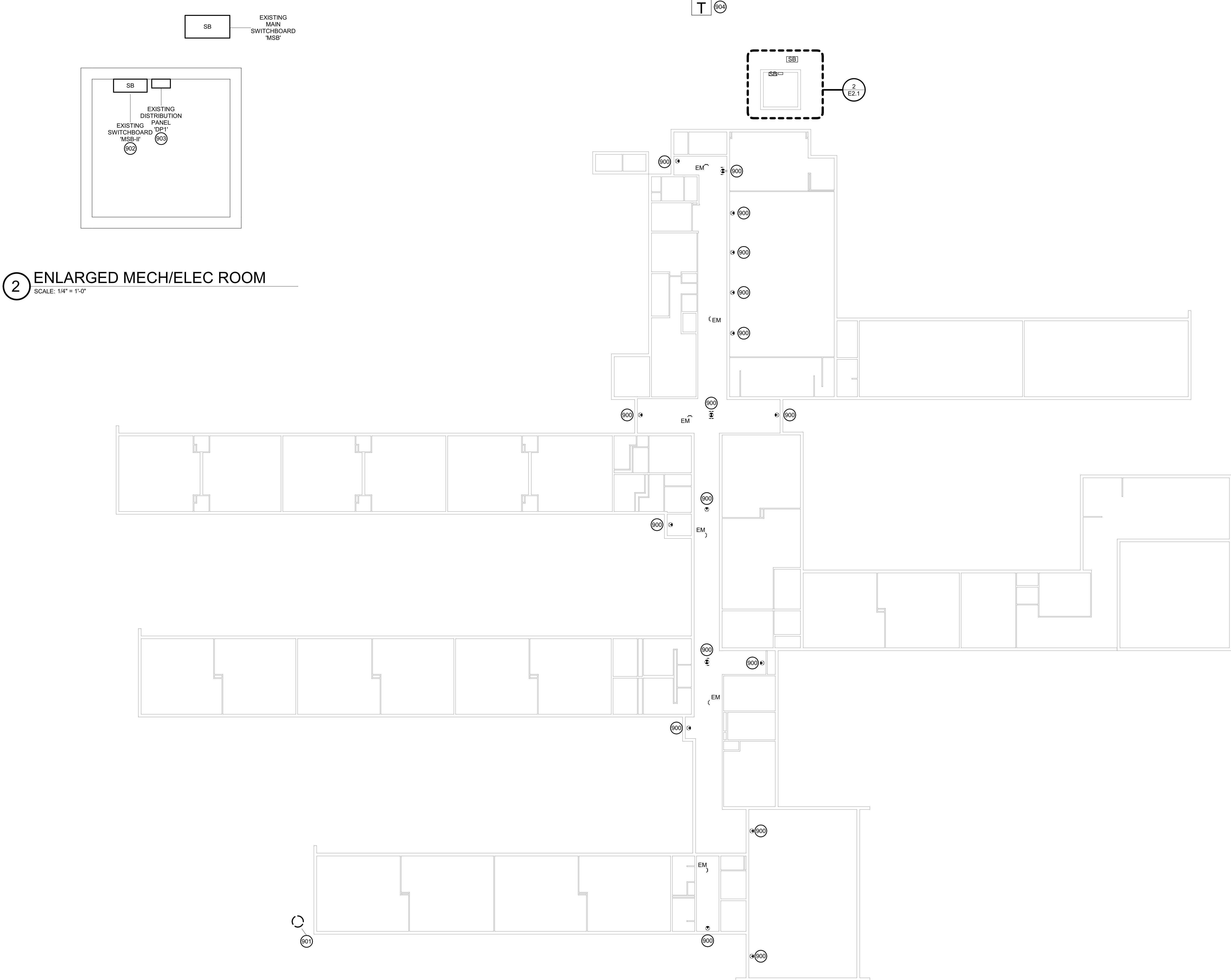
COORDINATION WITH OTHER WORK

- WHERE HEIGHTS OF ELECTRICAL OUTLETS ARE SHOWN ON DRAWINGS, THEY ARE GIVEN AS AN AID TO THE CONTRACTOR IN BIDDING & TO INDICATE GENERAL POSITION. COORDINATE FINAL EXACT LOCATION OF ALL DEVICES AND EQUIPMENT WITH ARCHITECTURAL & MECHANICAL PLANS, ELEVATIONS & CONSTRUCTION DETAILS.
- WHEN OUTLET LOCATIONS ARE SPECIFICALLY INDICATED ON ARCHITECTURAL ELEVATIONS, THE OUTLETS SHALL BE INSTALLED AT THE LOCATION SHOWN.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR COORDINATION OF CEILING SYSTEMS AND MECHANICAL-ELECTRICAL SYSTEM COMPONENTS.
- REVISE AND COORDINATE LOCATION OF ALL LIGHTING FIXTURES IN MECHANICAL ROOMS WITH PIPING, DUCTWORK AND EQUIPMENT BEFORE ROUGH IN. FIXTURES SHALL BE MOUNTED AS NOTED AND SPECIFIED. GENERALLY, ALL SUSPENDED FIXTURES SHALL BE MOUNTED 8" A.F.F. U.N.O. ARRANGE FIXTURES TO OBTAIN BEST USABLE LIGHTING COVERAGE.
- COORDINATE EXACT PLACEMENT OF ALL MOTOR CONTROLLERS AND DISCONNECTS WITH THE SPACE AVAILABLE AND WITH THE TRADE PROVIDING THE EQUIPMENT SERVED.

MISCELLANEOUS REQUIREMENTS

- EACH LAY-IN GRID MOUNTED LIGHTING FIXTURE SHALL BE FED FROM JUNCTION BOXES MOUNTED TO THE STRUCTURE (EXCEPT AS NOTED) USING A MAXIMUM OF 8" OF 3/8" FLEXIBLE METALLIC CONDUIT, SUCH THAT ANY FIXTURE MAY BE RELOCATED INTO ANY ADJACENT CEILING TILE SPACE. FLEX OR CABLE SHALL NOT BE RUN DIRECTLY FROM FIXTURE TO FIXTURE.
- AT EACH FLUSH MOUNTED BRANCH CIRCUIT PANELBOARD, PROVIDE A MINIMUM OF THREE (3) EMPTY CONDUITS TO ABOVE CEILING OR OTHER ACCESSIBLE SPACE FOR FUTURE USE.





- GENERAL NOTES
1.

REFER TO SHEET E1.1 FOR GENERAL ELECTRICAL NOTES THAT SHALL APPLY TO ALL SHEETS IN THIS SET UNLESS NOTED OTHERWISE IN THE KEYED NOTES.
2.

EXISTING FEEDERS & BRANCH CIRCUIT CONDUCTORS SHALL BE RE-USED UNLESS NOTED OTHERWISE. PROTECT CONDUCTORS DURING CONSTRUCTION.
3.

CONNECT NEW EMERGENCY BUGEYE FIXTURES 'EM' TO UNSWITCHED PHASE CONDUCTOR OF THE CIRCUIT SERVING THE RESPECTIVE AREA.
4.

LOCATIONS SHOWN FOR CEILING MOUNTED 'EM' BUGEYE FIXTURES ARE APPROXIMATE. ADJUST LOCATIONS AS NEEDED TO AVOID CONFLICTS WITH OTHER FIXTURES. KEEP MAX SPACING OF 80FT BETWEEN BUGEYE FIXTURES.
- KEYNOTE LEGEND
- 900

REMOVE EXISTING EXIT LIGHT AND REPLACE WITH NEW EXIT FIXTURE TYPE 'X'. RECONNECT TO EXISTING CIRCUIT.
- 901

DEMOLISH EXISTING GRINDER PUMP LIFT STATION CURRENTLY SERVING THE PORTABLES. REPLACE WITH NEW. RECONNECT EXISTING ELECTRICAL FEED AND SANITARY LINES.
- 902

REMOVE EXISTING SWITCHBOARD AND REPLACE WITH NEW. RECONNECT EXISTING FEEDERS. REFER TO ONE-LINE DIAGRAM ON SHEET E3.1 FOR ADDITIONAL INFORMATION.
- 903

REMOVE EXISTING DISTRIBUTION PANEL AND REPLACE WITH NEW. RECONNECT EXISTING FEEDERS. REFER TO ONE-LINE DIAGRAM ON SHEET E3.1 FOR ADDITIONAL INFORMATION.
- 904

EXISTING UTILITY TRANSFORMER WITH METER.

1

ELECTRICAL FIRST FLOOR POWER & LIGHTING PLAN

SCALE: 1/16" = 1'-0"



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Engineering Firm:
Firm Registration No. F-2708
Revisions:
NO. DESCRIPTION DATE

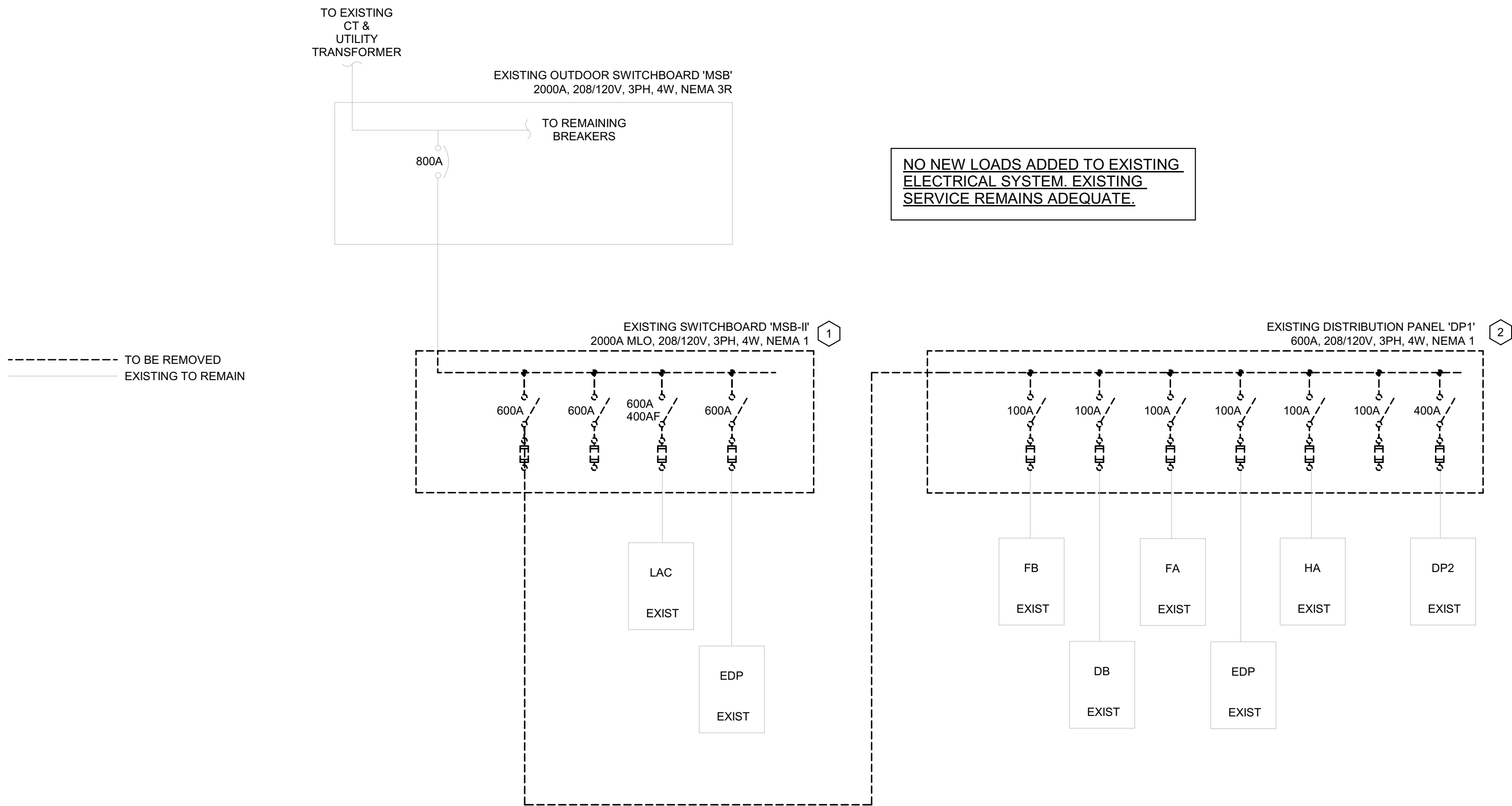
01/03/2020
Project No. 1915.00
AUSD#200014-GULLT
CONTRACT DOCUMENTS

GENERAL NOTES:

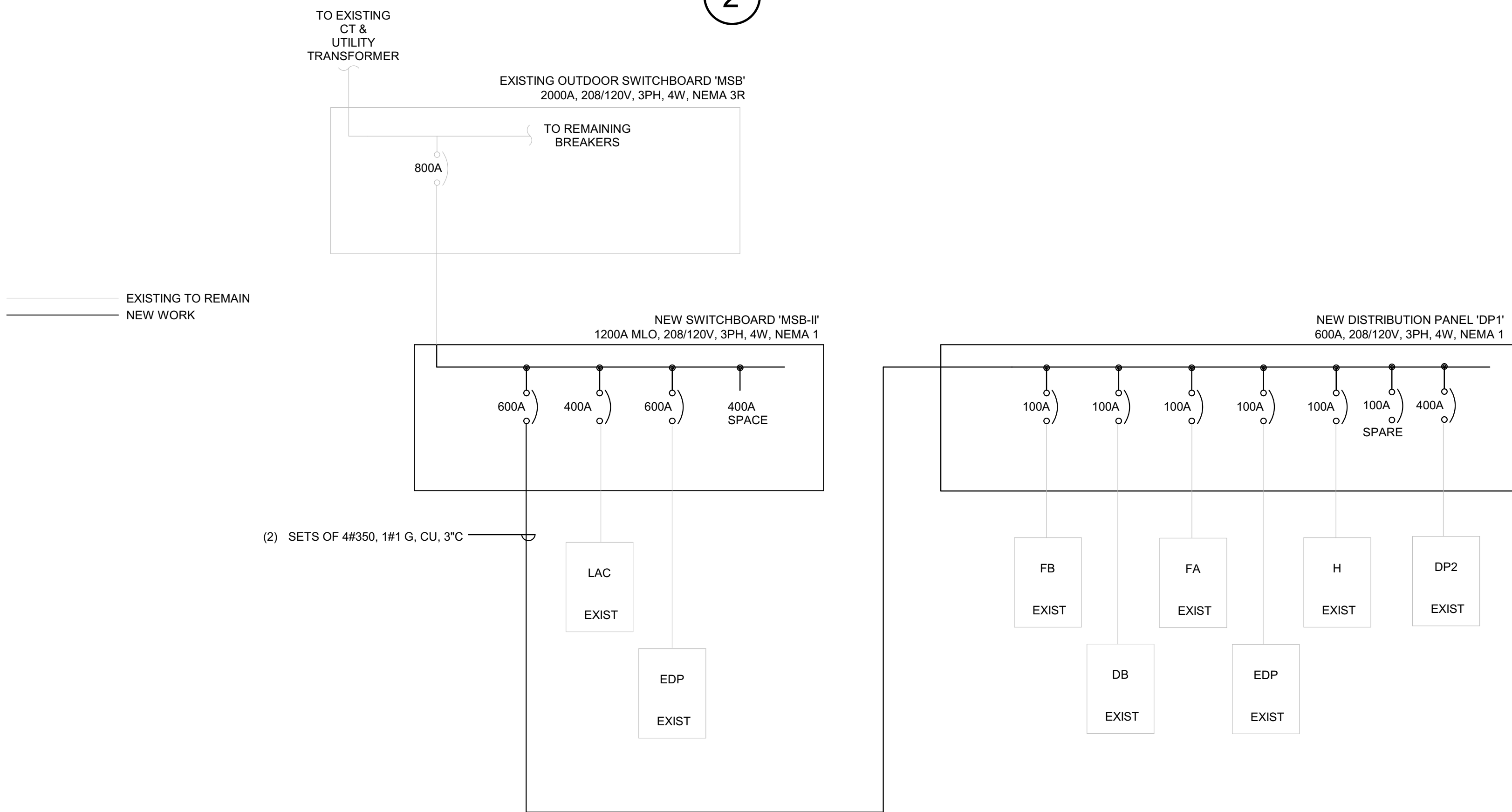
- 1. EXISTING ELECTRICAL WORK TAKEN FROM AVAILABLE RECORD DOCUMENTS AND SITE OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
- 2. PER AISD REQUIREMENTS: PROVIDE UPDATED PRINTED CIRCUIT DIRECTORY FOR ALL PANELBOARDS AFFECTED BY WORK. TRACE AND VERIFY ALL EXISTING CIRCUITS TO REMAIN SERVED BY EACH PANELBOARD AFFECTED BY THE WORK.

ELECTRICAL DEMO KEYNOTES:

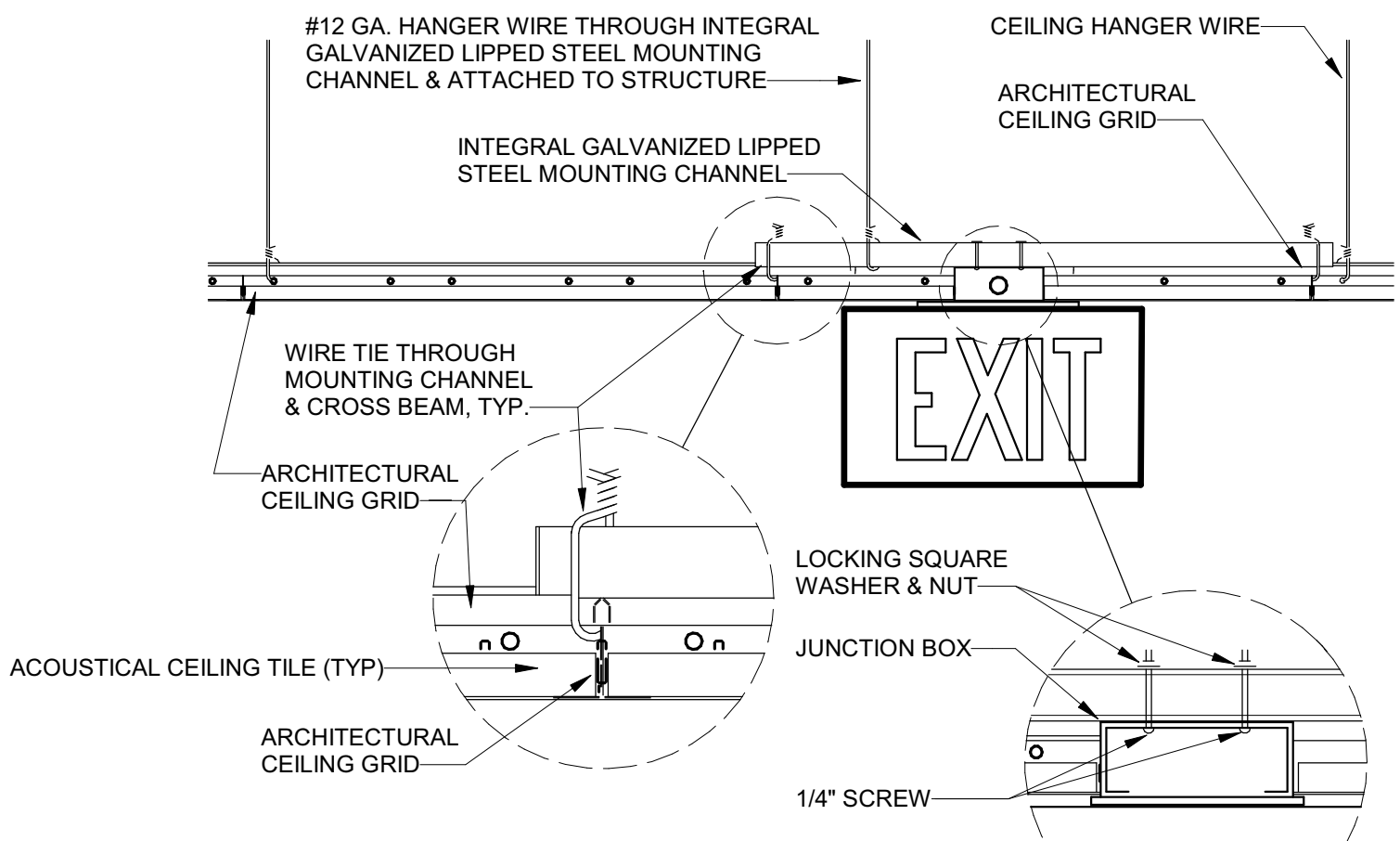
- 1. EXISTING SWITCHBOARD TO BE REMOVED AND REPLACED. PRESERVE AND MATCH ALL FEEDERS FOR EXTENSION TO NEW SWITCHBOARD. MATCH EXISTING KAIC RATING FOR NEW SWITCHBOARD.
- 2. EXISTING DISTRIBUTION PANEL TO BE REMOVED AND REPLACED. PRESERVE ALL FEEDERS FOR CONNECTION TO NEW DISTRIBUTION PANEL. MATCH EXISTING KAIC RATING FOR NEW PANEL.



2 ELECTRICAL DEMO ONE-LINE DIAGRAM



3 ELECTRICAL NEW ONE-LINE DIAGRAM



1 EXIT SIGN MOUNTING LAY-IN CEILING

NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

ID TAG	DESCRIPTION	MOUNTING	VOLTS	MANUFACTURER	CATALOG NO.	NOTES
X	1 E.D. EXIT SIGN, EDGE-LIT PANEL WITH RED LETTERS	UNIVERSAL	UNV	LITHONIA	SURFACE MOUNT: EDG (1 OR 2) (R OR RMR) EL RECESSED MOUNT: EDGR (1 OR 2) (R OR RMR) EL	1
EM	(2) HEAD EMERGENCY EGRESS LIGHT WITH BATTERY BACKUP FOR 90 MINUTE CAPACITY	CEILING	UNV	LITHONIA	OR APPROVED EQUAL ELM4L OR APPROVED EQUAL	
NOTES						
1. PROVIDE DIRECTIONAL CHEVRONS AS INDICATED ON PLANS.						

SWBD	120/208 V 3PH 4W	1200 A	MLO	KAIC	BOT FED	NEMA 1	FRONT CONNECTED
MSB ii	LOCATION: MECH			FED FROM: MSB			FRONT ONLY ACCESS
OKT NO.	TAG NO.	LOAD TYPE	BREAKER SIZE / POLES	CIRCUIT SIZING			NOTES
1	PANEL DP1	FDR	600 / 3	EXISTING			
2	PANEL LAC	FDR	400 / 3	EXISTING			
3	PANEL EDP	FDR	600 / 3	EXISTING			
4	SPACE ONLY						
5	SPACE ONLY						
6	SPACE ONLY						
NOTES:							
ALL LOADS ARE EXISTING TO REMAIN.							

DISTRIBUTION PNL	120/208 V 3PH 4W	600 A	MLO	KAIC	SURF MTD	NEMA 1	
DP1	LOCATION: MECH			FED FROM: MSB ii			
OKT NO.	TAG NO.	LOAD TYPE	BREAKER SIZE / POLES	CIRCUIT SIZING	CONN AMPS	MCA	NOTES
1	PANEL FB	FDR	100 / 3	EXISTING			
2	PANEL DB	FDR	100 / 3	EXISTING			
3	PANEL FA	FDR	100 / 3	EXISTING			
4	PANEL H	FDR	100 / 3	EXISTING			
5	PANEL KA	FDR	100 / 3	EXISTING			
6	SPARE	FDR	100 / 3				
7	PANEL DP2	FDR	400 / 3	EXISTING			
8	SPACE ONLY						
NOTES:							
ALL LOADS ARE EXISTING TO REMAIN.							



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ONE-LINE DIAGRAM,
DETAILS, & SCHEDULES

E3.1