

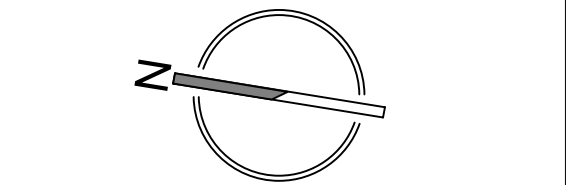
PHASING REQUIREMENTS

- REFER TO ARCHITECTURAL DRAWING A1.02 FOR PROJECT PHASING.
- INCLUDE FOR THE FOLLOWING ELECTRICAL WORK:
PHASE 1
 - TEMPORARY RELOCATION OF SECURITY AND SCREENING EQUIPMENT.
 - TEMPORARY RELOCATION OF EXISTING CCTV CAMERA.
 - RELOCATE EXISTING SERVICES IN WALLS TO ACCOMMODATE NEW TEMPORARY DOORS.
PHASE 2
 - POWER TO NEW TEMPORARY AUTO DOORS AT TEMPORARY ARRIVALS.
 - RELOCATION OF POWER AND COMMUNICATIONS TO TEMPORARY CHECK-IN COUNTER.
 - RELOCATION OF EXISTING SERVICES INSIDE EXISTING WALLS TO ACCOMMODATE NEW DOORS AND WALL REMOVALS.
 - TEMPORARY LIGHTING IN TEMPORARY ARRIVALS VESTIBULE.
- COORDINATE ALL PHASING WORK WITH GENERAL CONTRACTOR. REVIEW ALL EXISTING ELECTRICAL SYSTEMS ON SITE PRIOR TO BIDDING AND INCLUDE FOR RELOCATION OF SYSTEMS. NO EXTRAS WILL BE ENTERTAINED.

ELECTRICAL SYMBOL LEGEND		
ABBREVIATIONS		POWER
NOTE	EQUIPMENT SHOWN DOTTED IF EXISTING AND TO REMAIN UNLESS INDICATED OTHERWISE	
EMR	DENOTES EMERGENCY GENERATOR CONNECTION	⌀ SINGLE RECEPTACLE
R	EXISTING DEVICE TO BE REMOVED	⌀ DUPLEX RECEPTACLE
RR	EXISTING DEVICE TO BE REMOVED AND RELOCATED	⌀ ABOVE COUNTER DUPLEX RECEPTACLE
RE	EXISTING DEVICE IN NEW RELOCATED POSITION	⌀ 520R DUPLEX RECEPTACLE (1-SLOT)
RP	EXISTING DEVICE TO BE REPLACED WITH NEW	⌀ DUPLEX RECEPTACLE WITH TWO USB CHARGING PORTS
WP	WEATHER PROOF	⌀ GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE
OH/D	OVER HEAD DOOR	⌀ ABOVE COUNTER GFI DUPLEX RECEPTACLE
LIGHTING		FIRE ALARM
⎓	SURFACE MOUNTED LUMINAIRE	⌀ FLOOR MOUNTED DUPLEX RECEPTACLE
⎓	CEILING RECESSED LUMINAIRE	⌀ FLOOR MOUNTED FOUR PLEX RECEPTACLE
⎓	CEILING SUSPENDED LINEAR LUMINAIRE	⌀ MECHANICAL MOTOR CONNECTION
⎓	SURFACE MOUNTED LUMINAIRE	⌀ DISCONNECT SWITCH
⎓	RECESSED DOWN LIGHT	⌀ JUNCTION BOX
⎓	LIGHTING TRACK	⌀ MECHANICAL EQUIPMENT DIRECT CONNECTION
⌀	LIGHTING TRACK HEAD	⎓ PANEL BOARD
⊕	OCCUPANCY SENSOR, CEILING MOUNTED	⊕ MOTORIZED DAMPER MOTOR
⊕	OCCUPANCY SENSOR, WALL MOUNTED	⊕ METER
⊕	EXIT SIGN - ARROWS INDICATE DIRECTION	⊕ TIMER
⎓	STRIP LIGHT	⊕ THERMOSTAT
⎓	SINGLE POLE TOGGLE SWITCH, GANGED AS SHOWN	⊕ PUSH BUTTON
⎓	THREE WAY TOGGLE SWITCH	⊕ HAND DRYER
COMMUNICATIONS		SECURITY
▽	COMBINATION TELEPHONE AND DATA OUTLET, WALL MOUNTED	⌀ THERMAL DETECTOR
▽	COMBINATION TELEPHONE AND DATA OUTLET MILLWORK	⊕ FIRE ALARM PULL STATION
▽	MICROPHONE OUTLET-WALL	⊕ FIRE ALARM BELL
▽	MICROPHONE OUTLET- IN MILLWORK	⊕ FIRE ALARM STROBE
▽	FLOOR MOUNTED TELEPHONE OUTLET	⊕ END OF LINE RESISTOR
▽	FLOOR MOUNTED CATV OUTLET	⊕ FIRE ALARM PANEL
▽	FLIGHT INFORMATION MESSAGE BOARD	⊕ FIRE ALARM REMOTE ANNUNCIATOR
⊕	PUBLIC ADDRESS SPEAKER - RECESSED	⊕ SPRINKLER FLOW SWITCH
⊕	PUBLIC ADDRESS SPEAKER - SURFACE MOUNTED	⊕ SPRINKLER VALVE SUPERVISORY
⊕	PA SYSTEM ZONE VOLUME BUTTON	⊕ CARD READER
		⊕ DOME STYLE CCTV
		⊕ WALL MOUNTED CCTV
		⊕ PAN-TILT ZOOM CCTV
		⊕ WIRELESS ACCESS POINT C/W 2 DATA OUTLETS.
		⊕ SECURITY SYSTEM ELECTRIC STRIKE
		⊕ INTRUSION MOTION DETECTOR, WALL MOUNTED

REVISION No.	DATE	DESCRIPTION
1.	2016-DEC-13:	ISSUED FOR COSTING
2.	2016-DEC-21:	ISSUED FOR DESIGN DEVELOPMENT
3.	2017-JAN-30:	ISSUED FOR 30% REVIEW
4.	2017-FEB-10:	ISSUED FOR 60% REVIEW
5.	2017-FEB-23:	ISSUED FOR 60% COORDINATION
6.	2017-MAR-10:	ISSUED FOR 90% REVIEW
7.	2017-MAR-17:	ISSUED FOR 90% COSTING
8.	2017-APR-11:	ISSUED FOR TENDER
9.	2017-MAY-5:	ISSUED FOR BUILDING PERMIT
10.	2017-AUG-9:	ISSUED FOR CONSTRUCTION

The contractor shall verify and accept responsibility for all dimensions. Do NOT scale the drawing. All errors or omissions shall be reported without delay to Moore Wilson Architects Inc.



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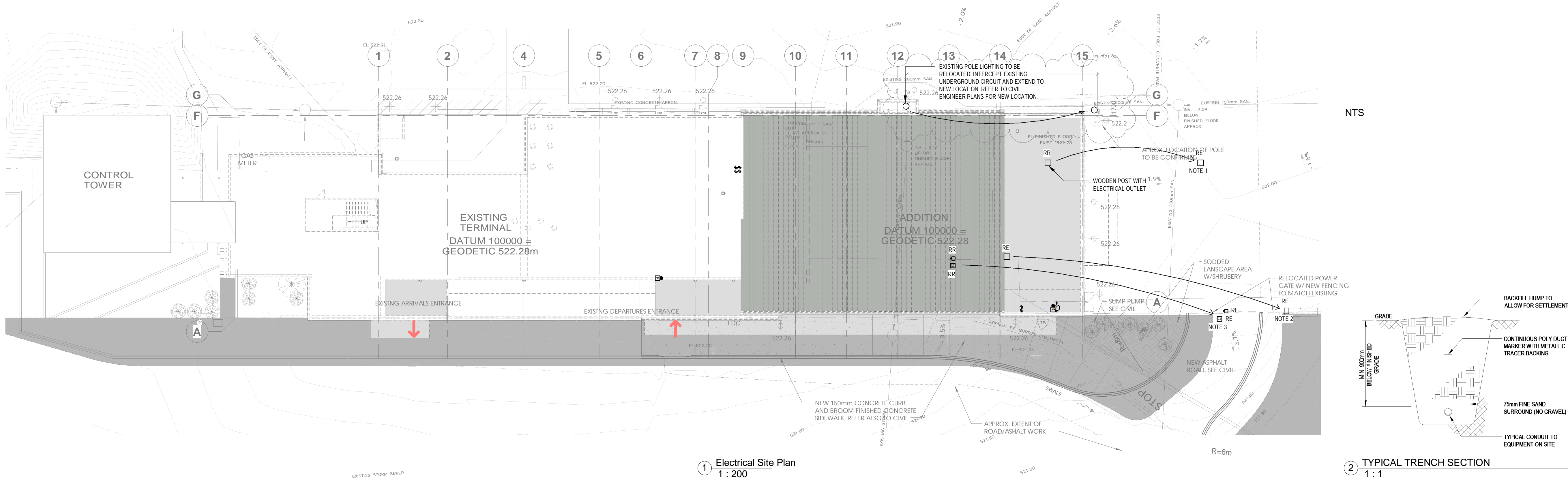
Electrical Site Plan

PROJECT SHEET

1-16-175 E1.00

REVISION No.

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NOTES:

- REMOVE AND RELOCATE EXISTING WOODEN POST AND RECEPTACLE. INTERCEPT AND EXTEND EXISTING CIRCUIT CONDUIT AND PROVIDE NEW BRANCH CIRCUIT WIRING. RECONNECT TO EXISTING BRANCH BREAKER.
- REMOVE AND RELOCATE EXISTING GATE ELECTRIC OPERATOR SYSTEM AND REINSTALL AT NEW GATE LOCATION. INTERCEPT EXISTING UNDERGROUND CONDUIT AND EXTEND TO NEW LOCATION. PROVIDE NEW CIRCUIT WIRING AND CONNECT TO EXISTING BRANCH CIRCUIT BREAKER.
- REMOVE AND RELOCATE EXISTING ELECTRONIC ACCESS HARDWARE FROM EXISTING TO NEW GATE LOCATION. INTERCEPT EXISTING UNDERGROUND CONDUIT AND EXTEND TO NEW LOCATION. REWIRE AND RECONNECT TO EXISTING SYSTEM.

LEGEND			
M	= DENOTES BY MECHANICAL CONTRACTOR	I	= INTERLOCK
E	= DENOTES BY ELECTRICAL CONTRACTOR	OA	= MAGNETIC STARTER WITH OFF-AUTO SELECTOR
T	= THERMOSTAT	SS	= MAGNETIC STARTER WITH START-STOP SELECTOR
TS	= TIMER SWITCH	WIT	= WIRE TO
HOA	= MAGNETIC STARTER WITH HAND-OFF-AUTO SELECTOR	VF	= VARIABLE FREQUENCY DRIVE
MA	= MAGNETIC STARTER WITH AUX STATUS CONNECTION	RD	= REVERSE-ACTING THERMOSTAT
MAN	= MANUAL STARTER	SW	= H.P. RATED SWITCH
C.P.	= CONTROL PANEL	DDC	= CONTROLLED BY DDC SYSTEM
INT	= INTEGRAL WITH UNIT	PS	= PRESSURE SWITCH

LUMINAIRE SCHEDULE

<h1 style="text-align: center;">PANELBOARD SCHEDULE</h1>							
JOB NO NAME	1-16-175SMITHERS AIRPORT EXPANSION						
PANEL	F						
SYSTEM	120/208V 1PH, 3W						
TYPE	LIGHTING AND DISTRIBUTION						
LOCATION	BAGGAGE SORTING						
MOUNTING	SURFACE						
NO. CIRCUITS	42						
BUS SIZE	100A						
SYM. FAULT RATING							
DESCRIPTION	BRK	POLE	CCT	CCT	POLE	BRK	DESCRIPTION
LIGHTING - DEPARTURES	15	1	01	02	1	15	DEPARTURES PLUGS
LIGHTING - BAGGAGE	15	1	03	04	1	15	DEPARTURES PLUGS
TRACK LIGHTING	15	1	05	06	1	15	DEPARTURES PLUGS
BAGGAGE TRUNKAL LIGHTS	15	1	07	08	1	15	DEPARTURES PLUGS
CRAWL LIGHTING	15	1	09	10	1	15	UH-1
MECHANICAL ROOM PLUGS	15	1	11	12	1	35	EF-2
BAGGAGE MAKEUP PLUGS	15	1	13	14	1	30	EF-2
EXTERIOR PLUGS	15	1	15	16	1	15	GENERAL PLUGS
DAMPER MOTORS	15	1	17	18	2	15	HAND DRYER
			19	20			
			21	22	2	15	HAND DRYER
			23	24			
DF-1	15	1	25	26	2	15	HAND DRYER
AUTOMATIC DOORS	15	1	27	28			
DEPARTURE PLUGS	15	1	29	30	1	20	VENDING MACHINE
ELECTRIC PLUMBING FIXTURES	15	1	31	32	1	20	VENDING MACHINE
SPARE	15	1	33	34	1	15	SF-1
SPARE	15	1	35	36			
SPARE	15	1	37	38			
SPARE	15	1	39	40			
SPARE	15	1	41	41			

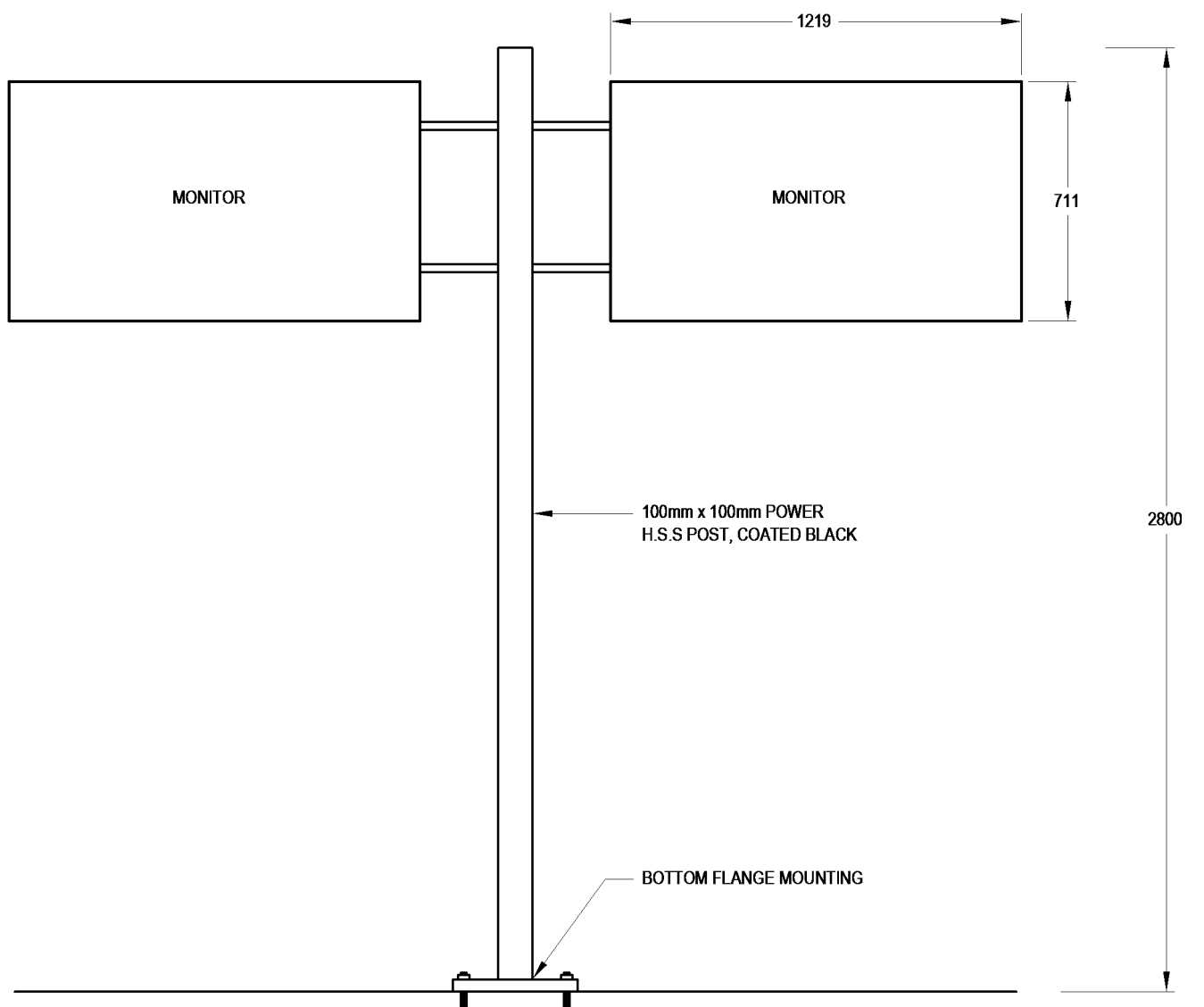
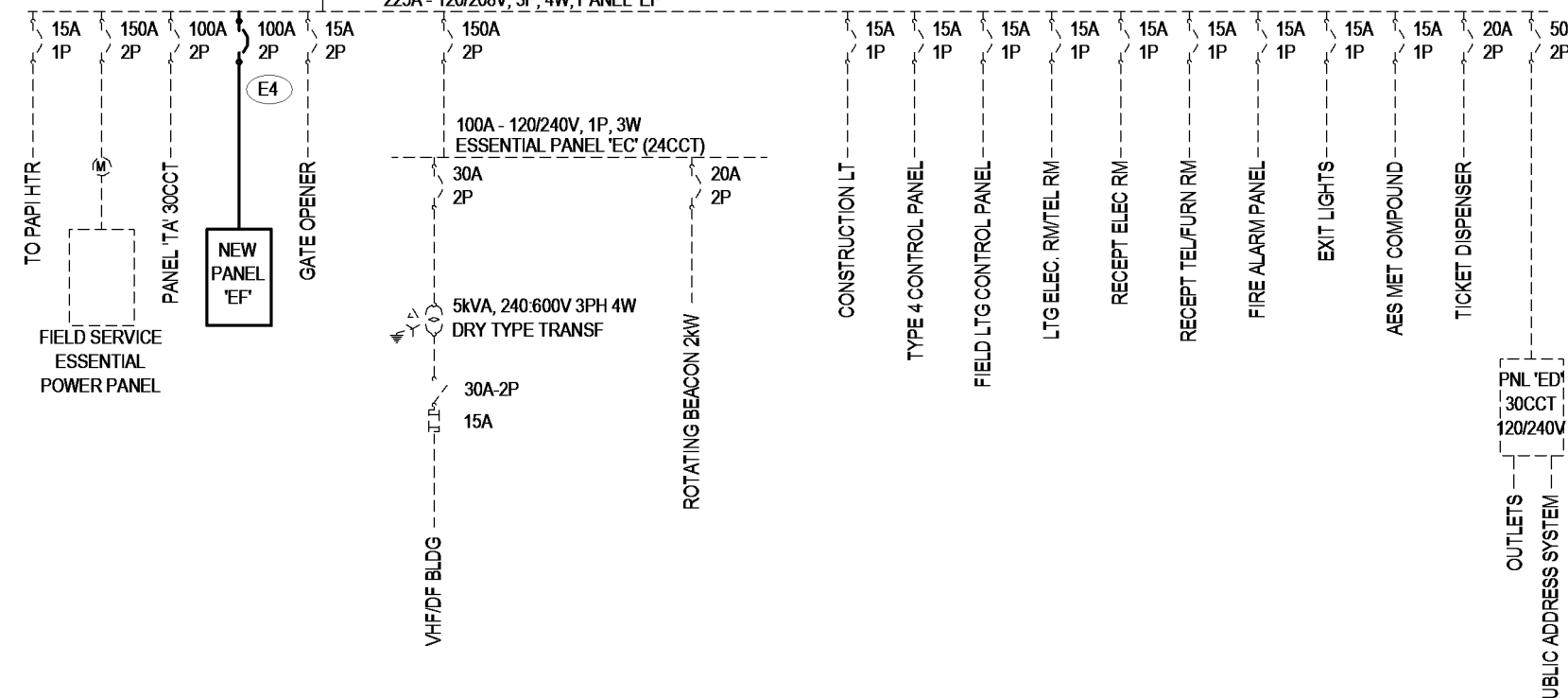
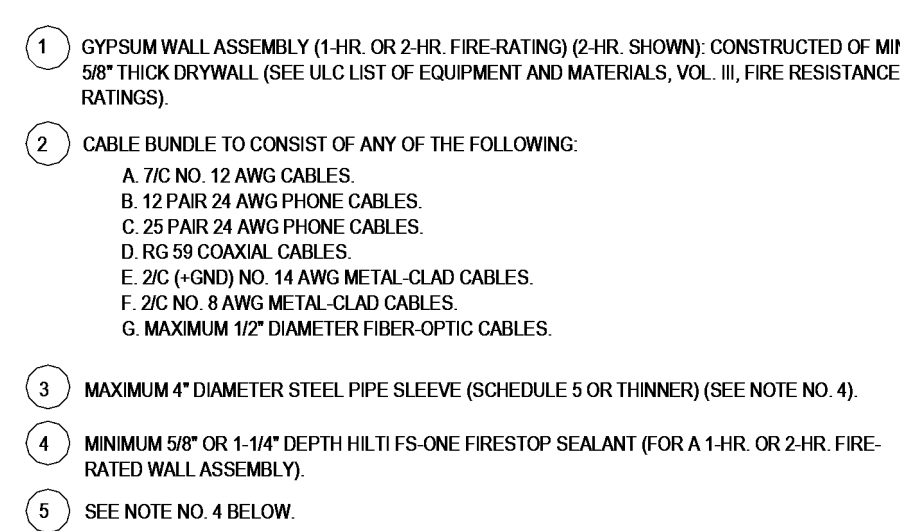
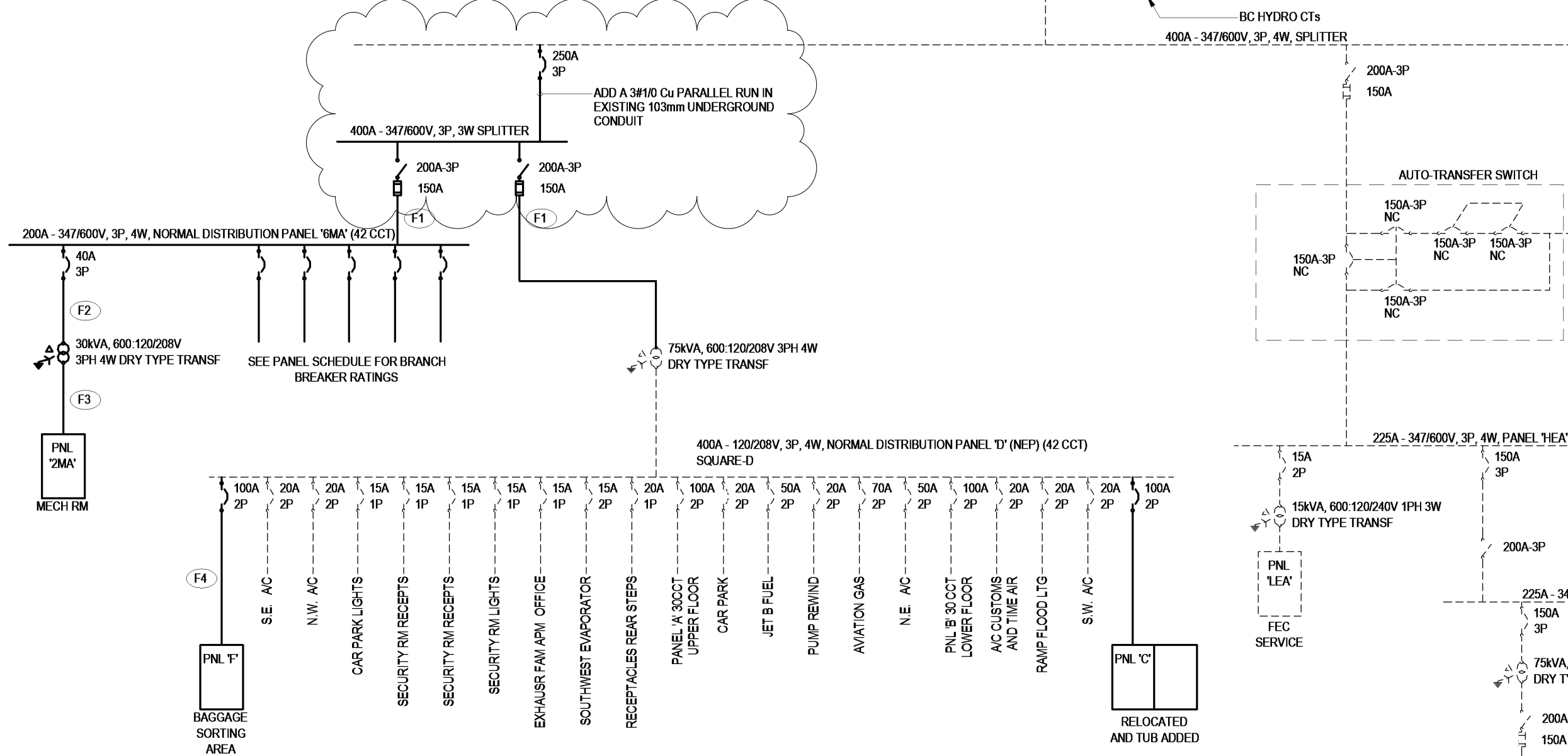
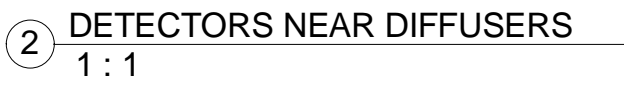
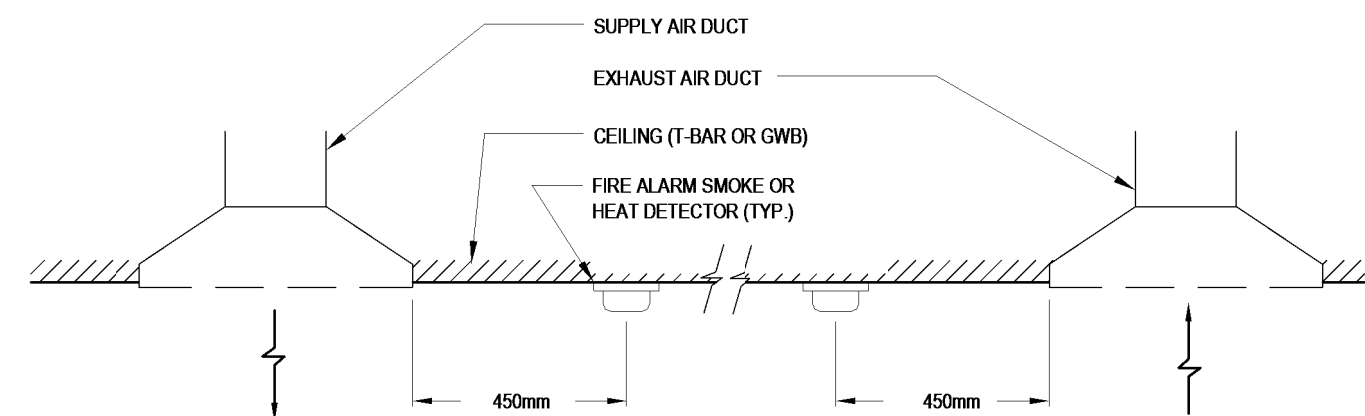
PANELBOARD SCHEDULE

FIRE ALARM SCHEDULE		
ZONE	AREA	DEVICES
Z1	MAIN FLOOR - FIRE ALARMS	PULLSTATION DETECTORS
Z2	CRAWLSPACE - FIRE ALARMS	DETECTORS
Z3	MECH ROOM - FIRE ALARMS	PULLSTATION DETECTORS
Z4	LOWER FLOOR - FIRE ALARMS	PULLSTATION DETECTORS
Z5	LOWER FLOOR - SPRINKLERS	FLOW
Z6	MAIN FLOOR - SPRINKLERS	FLOW
Z7	MAIN SPRINKLER VALVE	FLOW
ZONE	SUPERVISORY SIGNALS	DEVICES
T1	FIRE ALARM TROUBLE	
T2	SPRINKLER TAMPER	

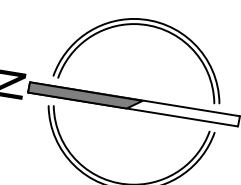


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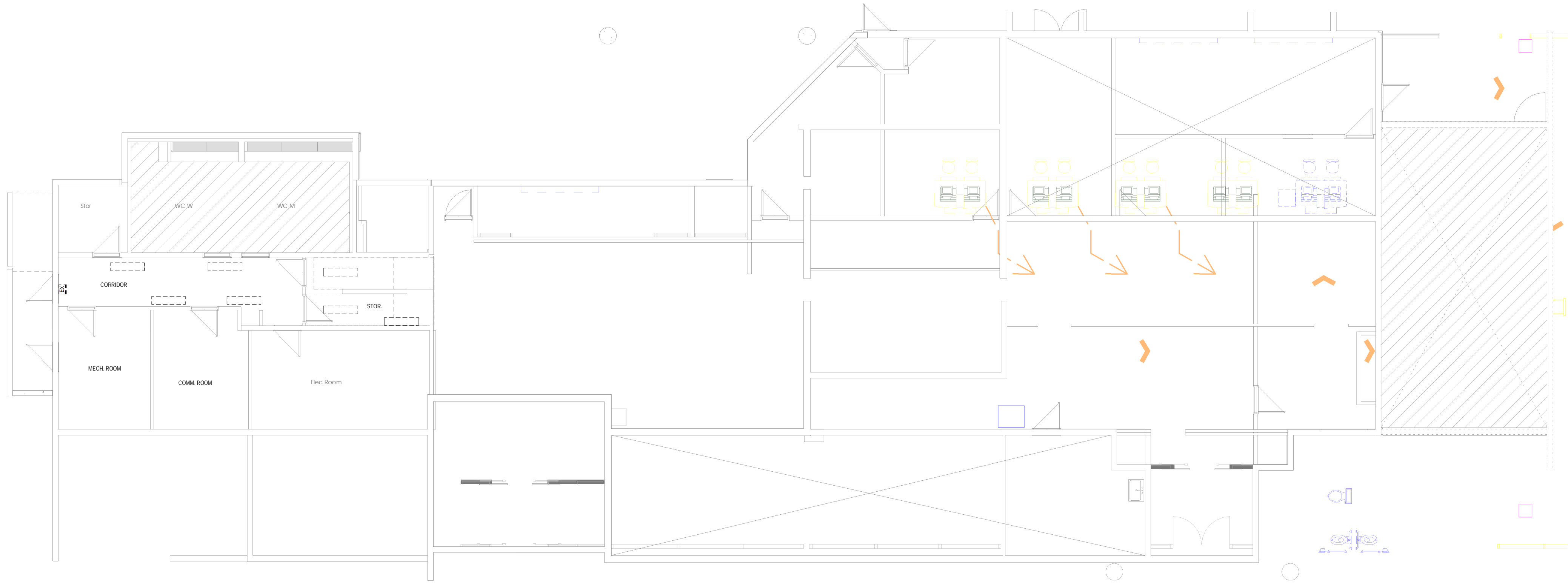
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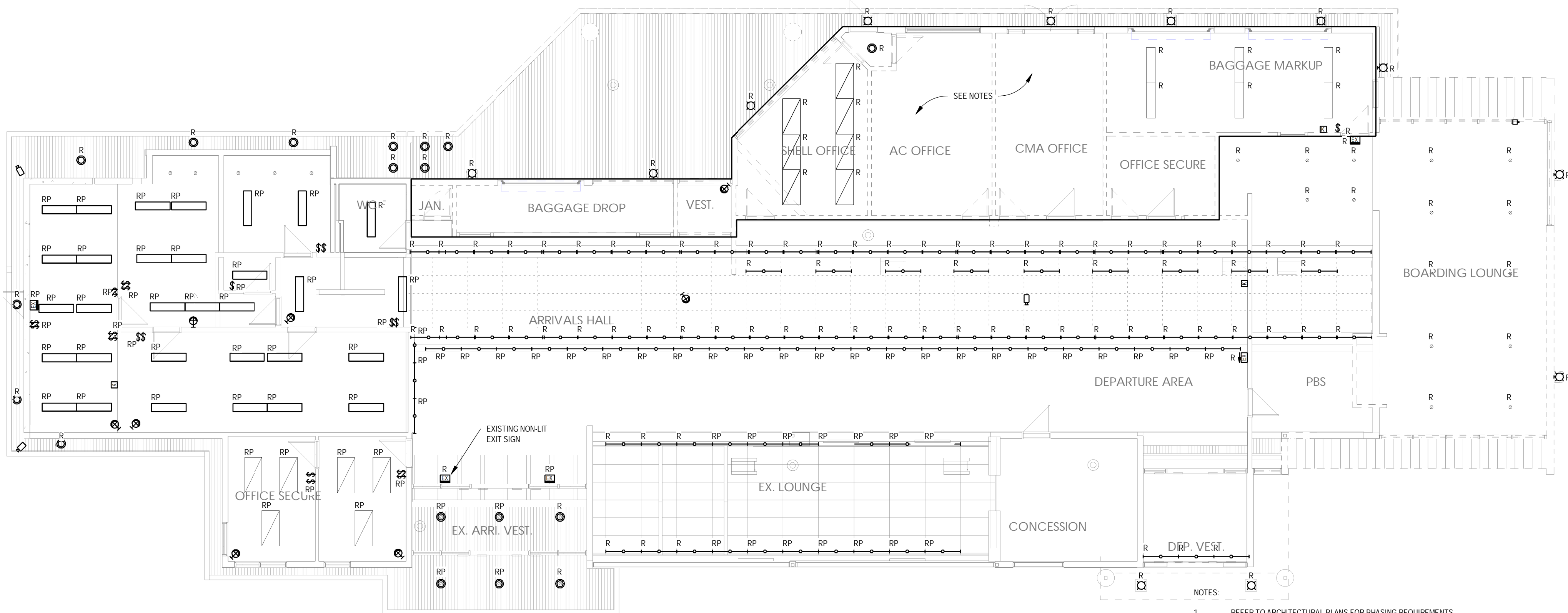
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② Crawlspace Demo
1 : 100

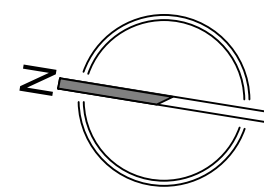


① Main Floor Demo
1 : 100

- NOTES:
1. REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS.
 2. REMOVE AND RELOCATE EXISTING LIGHTING AND LIGHTING CONTROLS WHERE TEMPORARY LIGHTING IS REQUIRED DURING PHASING.
 3. MAINTAIN EXISTING LIGHTING OPERATIONAL DURING CONSTRUCTION WHERE REQUIRED FO PHASING.
 4. RE-USE EXISTING LIGHTING BRANCH CIRCUITS FOR NEW LIGHTING.
 5. ALL EXISTING LIGHTING AND LIGHTING CONTROLS IN DEMOLITION AREAS IS TO BE REMOVED AND REPLACED WITH NEW.
 6. MAINTAIN EXISTING PUBLIC ADDRESS SYSTEM FUNCTIONAL AT ALL TIMES. REPLACE THE SYSTEM INSIDE BUILDING AND RECONNECT OUTSIDE SPEAKERS TO NEW SYSTEM.

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**DEMO MAIN AND
CRAWLSPACE
LIGHTING LAYOUT**

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