

1 SITE PLAN
E-001 SCALE: 1:1000

ANNOTATIONS

DENOTE	DESCRIPTION	DENOTE	DESCRIPTION
BND	BOND WIRE (AS PER SPECIFICATIONS)	FIA	FIRE ALARM
GND	GROUND WIRE (W)	GFI	GROUND FAULT INTERRUPTOR
CW	COMPLETE WITH	SPD	SURGE PROTECTION DEVICE
DISC	DISCONNECT	TR	TAMPER RESISTANT
RR	REMOVE	WP	WEATHERPROOF
EX	EXISTING TO REMAIN	WT	WATER TIGHT
ER	EXISTING TO BE RELOCATED	AFB	ABOVE FINISHED FLOOR
RE	REPLACE EXISTING WITH NEW DEVICE IN SAME LOCATION	AFG	ABOVE FINISHED GRADE
RL	EXISTING DEVICE IN RELOCATED LOCATION		

SYMBOL	DESCRIPTION
	MECHANICAL EQUIPMENT TAG
	REFERENCE NOTE (1 DENOTES SEE NOTE 1)
	KITCHEN EQUIPMENT TAG
	OWNER SUPPLIED EQUIPMENT TAG
	CONDUIT TAG
	REVISION IDENTIFICATION TAG
	PANEL IDENTIFICATION TAG
	NEW EQUIPMENT
	EXISTING EQUIPMENT TO REMAIN
	EXISTING EQUIPMENT TO BE REMOVED

GENERAL NOTES (APPLY TO ALL DRAWINGS)

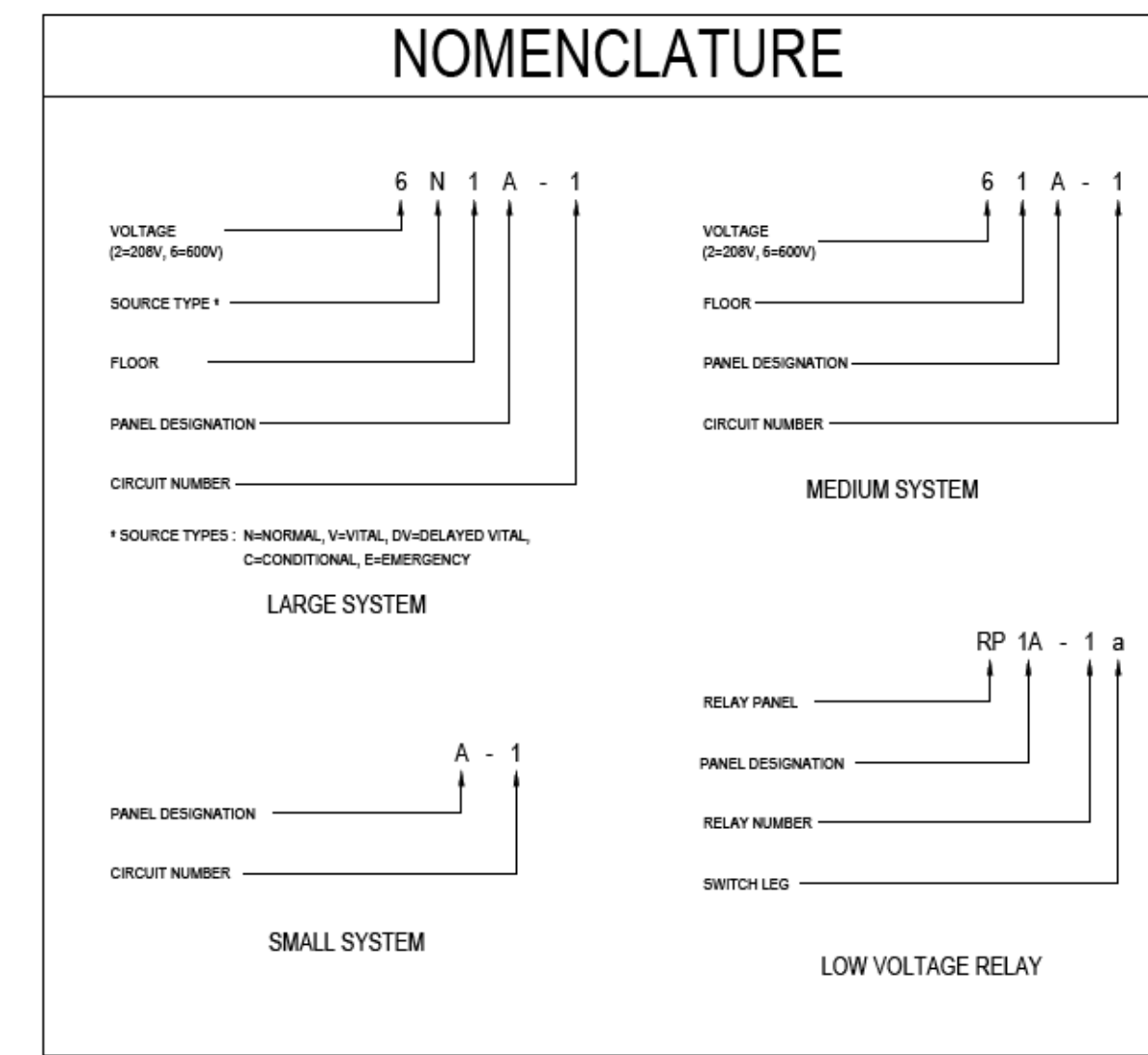
- EXISTING INFORMATION WITHIN THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OTHERS, EXTRACTED FROM HISTORICAL RECORDS, AND SITE OBSERVATION. EXISTING INFORMATION IS PROVIDED TO FACILITATE THE CONTRACTOR IN PROVIDING A FAIR AND ACCURATE TENDER BID. BY PROVIDING A GREATER UNDERSTANDING OF THE SCOPE OF WORK, BY NO MEANS SHALL THE CONTRACTOR RELY SOLELY ON THE EXISTING INFORMATION PROVIDED.
- FIRE STOP ALL NEW PENETRATIONS WITH AN APPROVED FIRE STOPPING METHOD RATED FOR THE FIRE RATING OF EXISTING WALL/SURFACE. PROVIDE CONSULTANT WITH U.L.C LISTED SYSTEM APPROVED FOR FIRE STOPPING DETAIL PRIOR TO FIRE STOPPING PENETRATIONS. ALL OTHER PENETRATIONS TO BE PATCHED TO SUIT WALL MATERIAL.
- MAKE GOOD ALL EXISTING SURFACES BUT NOT LIMITED TO DRYWALL, PAINT, MORTAR BLOCK, CEILING TILES, AND FINISHES.
- PROVIDE SCHEDULE INDICATING TIMING AND SCHEDULING OF ELECTRICAL SHUTDOWNS. CO-ORDINATE WITH OWNER.
- WHEN RELOCATING ELECTRICAL AND ASSOCIATED DEVICES, CARE SHALL BE TAKEN TO AVOID DAMAGE TO DEVICES BEING REMOVED, AND TO THE EXISTING DEVICES WITHIN THE BUILDING.

CIVIC ADDRESS

9860 W SAANICH RD, SIDNEY, BC V8L 5T5

DRAWING LIST

NO.	DESCRIPTION
E-001	LEGEND, KEYPLAN, DRAWING LIST
E-100	ELECTRICAL LIGHTING PLAN
E-110	ELECTRICAL POWER & SYSTEMS PLAN
E-200	ELECTRICAL SCHEDULES AND DETAILS



LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
	RECESSED DOWNLIGHT. LETTER 'A' INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE. G-2 INDICATES ALL LUMINAIRES CONNECTED TO PANEL 'G' CIRCUIT NO. 2.
	STRIP SURFACE LUMINAIRE. LETTER INDICATES LUMINAIRE TYPE AS PER LUMINAIRE SCHEDULE.
	EXTERIOR BOLLARD WITH LUMINAIRE
	WALL MOUNTED WEATHERPROOF PHOTOCELL
	ONE, TWO, THREE LINE VOLTAGE TOGGLE SWITCH AND LOW VOLTAGE SWITCH MOUNTED 4'-0" (1.2m) ABOVE FINISHED FLOOR LEVEL, UNLESS OTHERWISE NOTED.
	EXIT SIGN WALL MOUNTED. ARROW INDICATES DIRECTION OF EXIT PATH. "WP" DENOTES WEATHERPROOF TYPE.
	EXIT SIGN CEILING MOUNTED. ARROW INDICATES DIRECTION OF EXIT PATH. "WP" DENOTES WEATHERPROOF TYPE.
	TIME SWITCH

POWER SYMBOLS

SYMBOL	DESCRIPTION
	DUPLEX U-GROUND 15A, 125 VOLT, 3 POLE, 3 WIRE GROUNDING RECEPTACLE
	"E" WHERE SHOWN, DENOTES CONNECTION TO EMERGENCY POWER.
	"WP" WHERE SHOWN, DENOTES DEVICE MOUNTED IN WEATHERPROOF F.S. BOX WITH WEATHERPROOF COVER
	DUPLEX U-GROUND 15A, 125V, 3P 3 WIRE GROUNDING RECEPTACLE PROTECTED BY G.F.C.I. BREAKER AT PANELBOARD, MOUNTED APPROXIMATELY 3'9" (1050 mm) ABOVE FINISHED FLOOR.
	JUNCTION BOX (CEILING MOUNTED)
	JUNCTION BOX (WALL MOUNTED)
	PULLBOX
	MOTOR
	DISCONNECT SWITCH UNLESS NOTED OTHERWISE
	MOTOR STARTER
	MAGNETIC STARTER & DISCONNECT SWITCH (COMBINATION STARTER)

SECURITY SYMBOLS

SYMBOL	DESCRIPTION
	POWER CONNECTION TO ELECTRIC STRIKE
	SECURITY SYSTEM DOOR ALARM CONTACTS, RECESSED IN DOOR AND FRAME.
	SECURITY SYSTEM CARD READER OUTLET
	REQUEST TO EXIT MOTION
	REQUEST TO EXIT PUSHBUTTON

numberTEN architectural group **number 10**

wsp

301-3600 Uptown Blvd
Victoria BC, Canada
V8Z 0B9
T: 1 250-384-5510
F: 1 250-386-2844
wsp.com

WSP PROJ # 171-04349-00

SEAL:

Revision/Revisions	Description/Description	Date/Date
D	RE-ISSUED FOR TENDER	2018/02/02
C	TENDER	2018/01/08
B	100% SUBMISSION	2017/12/22
A	95% REVIEW SUBMISSION	2017/12/05

Client/Client
**FISHERIES AND OCEANS,
REAL PROPERTY,
SAFETY AND SECURITY**
VANCOUVER, BC
200-401 BURRARD ST.

Project title/Titre du projet
**DFO HANGAR
WALKWAY & ATRIUM**

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MRO
Drawn by/Dessiné par
MRO
PWGSC Project Manager/Administrateur de Projets TPSGC

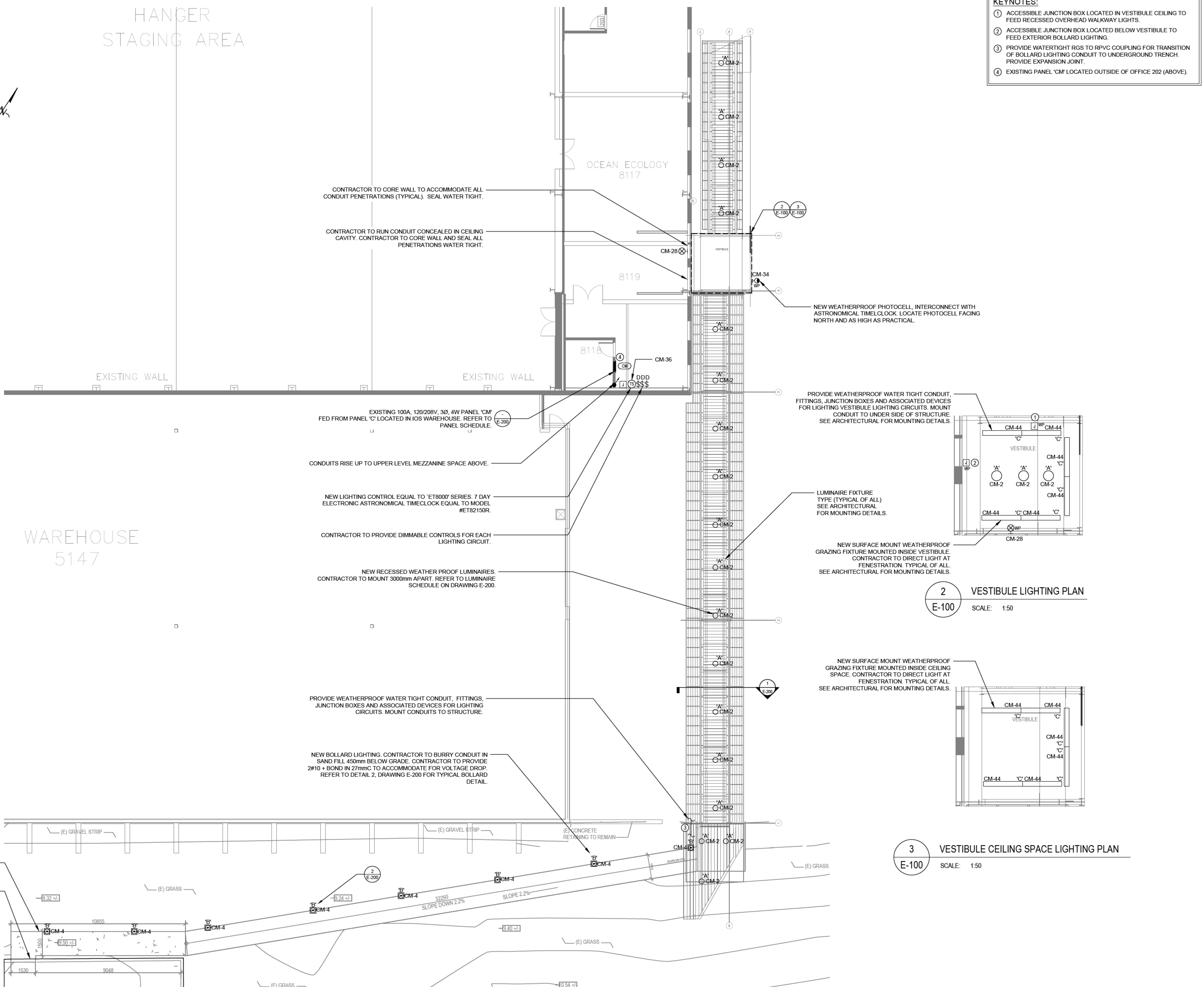
PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC

Drawing title/Titre du dessin
**SITE PLAN, LEGEND, DRAWING LIST
AND GENERAL NOTES.**

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.000000.000	E-001	D



HANGER STAGING AREA



- KEYNOTES:**
- ① ACCESSIBLE JUNCTION BOX LOCATED IN VESTIBULE CEILING TO FEED RECESSED OVERHEAD WALKWAY LIGHTS.
 - ② ACCESSIBLE JUNCTION BOX LOCATED BELOW VESTIBULE TO FEED EXTERIOR BOLLARD LIGHTING.
 - ③ PROVIDE WATERTIGHT RGS TO RPVC COUPLING FOR TRANSITION OF BOLLARD LIGHTING CONDUIT TO UNDERGROUND TRENCH. PROVIDE EXPANSION JOINT.
 - ④ EXISTING PANEL 'CM' LOCATED OUTSIDE OF OFFICE 202 (ABOVE).

2 VESTIBULE LIGHTING PLAN
SCALE: 1:50

3 VESTIBULE CEILING SPACE LIGHTING PLAN
SCALE: 1:50

1 WALKWAY LIGHTING PLAN
SCALE: 1:100



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wsp
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Victoria BC, Canada
V8Z 0B9
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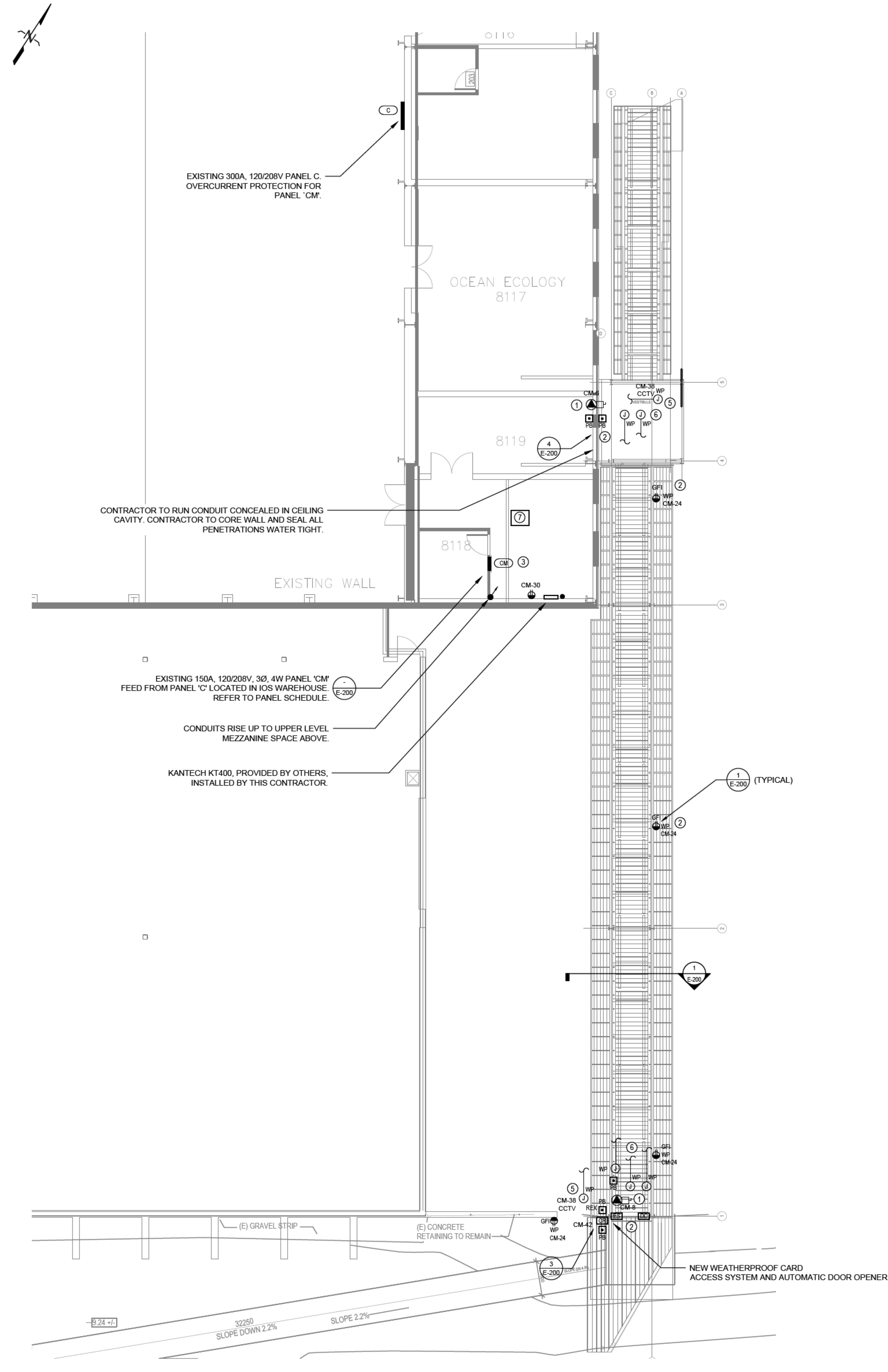
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**ELECTRICAL
LIGHTING PLAN**

Project No./No. du projet R.000000.000	Sheet/ Feuille E-100	Revision no./ La Révision no. D
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- KEYNOTES:**
- DOOR OPERATOR AND SECURITY SYSTEMS, REFER TO DETAILS 3 AND 4 ON DWG E-200.
 - PROVIDE WEATHERPROOF WATER TIGHT FITTINGS, JUNCTION BOXES AND ASSOCIATED DEVICES FOR ALL EXTERIOR MOUNTED DEVICES (RECEPTACLES, DOOR OPERATOR, CARD ACCESS, ETC.).
 - EXISTING PANEL 'CM' LOCATED OUTSIDE OF OFFICE 202 (ABOVE).
 - SECURITY WIRING AND POWER FOR CARD ACCESS AND DOOR OPERATOR TO BE RUN IN SEPARATE, WATER TIGHT RGS CONDUITS ABOVE WALKWAY SOFFIT.
 - WEATHERPROOF JUNCTION BOX AND 27mm CONDUIT SYSTEM MOUNTED TO UNDERSIDE OF STRUCTURE FOR FUTURE CCTV. PROVIDE CONDUIT RUN FROM JUNCTION BOX TO UPPER MEZZANINE DATA RACK LOCATION.
 - JUNCTION BOXES MOUNTED CEILING FOR SECURITY WIRING AND POWER FOR CARD ACCESS AND DOOR OPERATOR. RUN SEPARATE, WATER TIGHT RGS CONDUITS ABOVE WALKWAY SOFFIT.
 - APPROXIMATE LOCATION OF CCTV HEAD-END ABOVE MEZZANINE ABOVE. CONFIRM ON SITE PRIOR OF ANY WORK FOR SECURITY CONDUIT.

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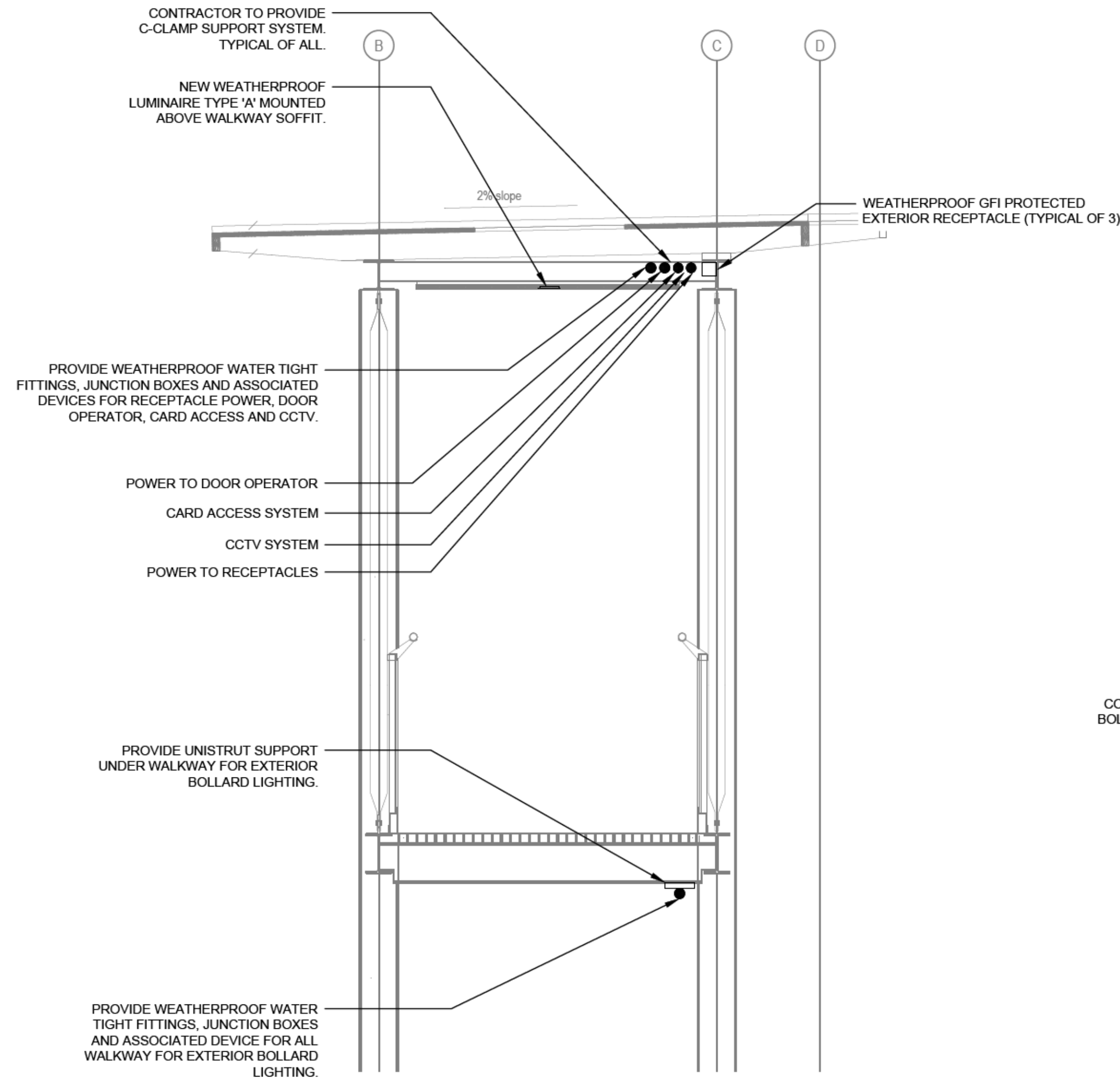
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**ELECTRICAL
POWER AND SYSTEMS PLAN**

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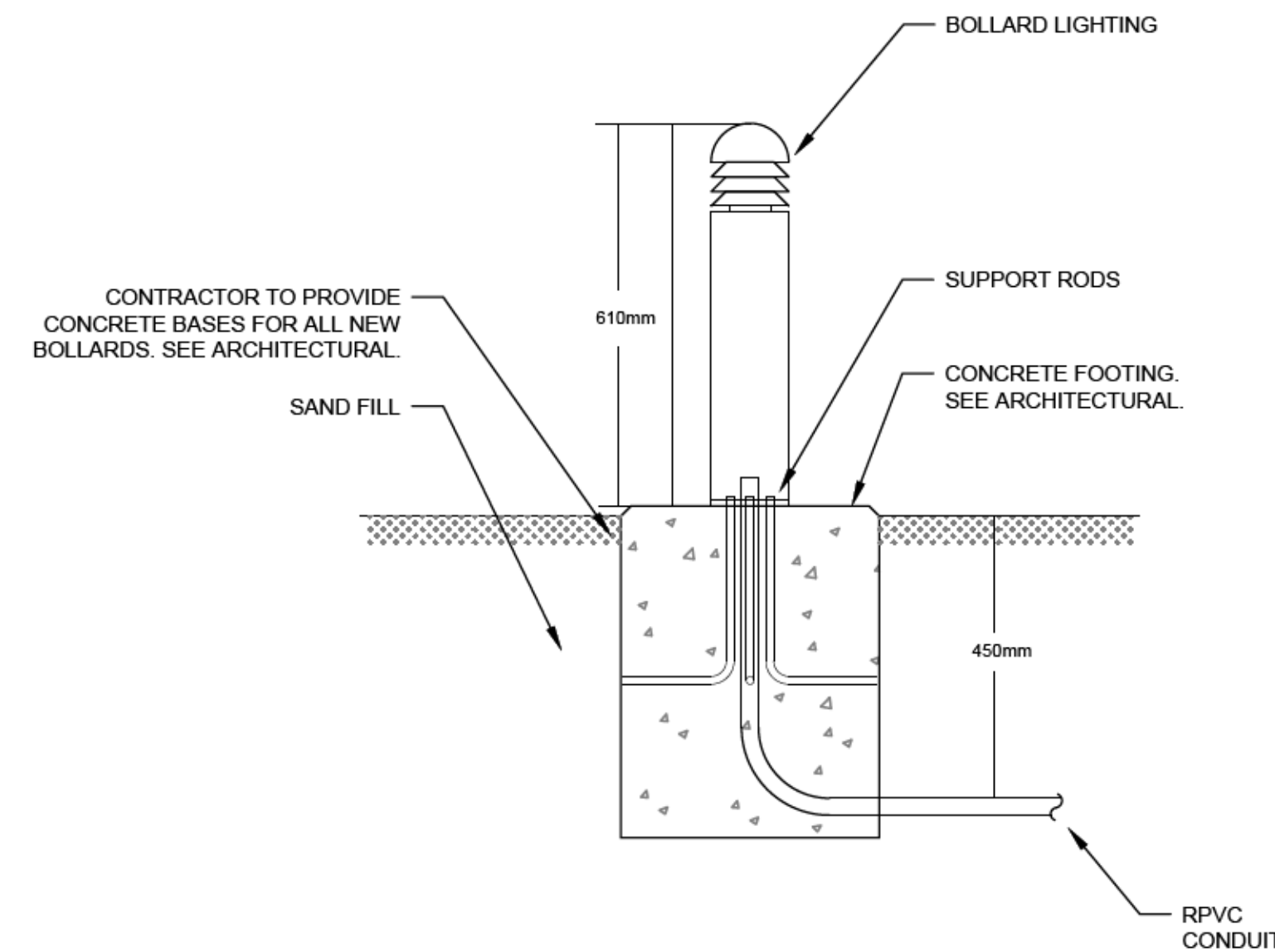
2 WALKWAY - POWER & SYSTEM PLAN
E-100 SCALE: 1:100





1 WALKWAY SECTION DETAIL
E-200 SCALE: 1:20

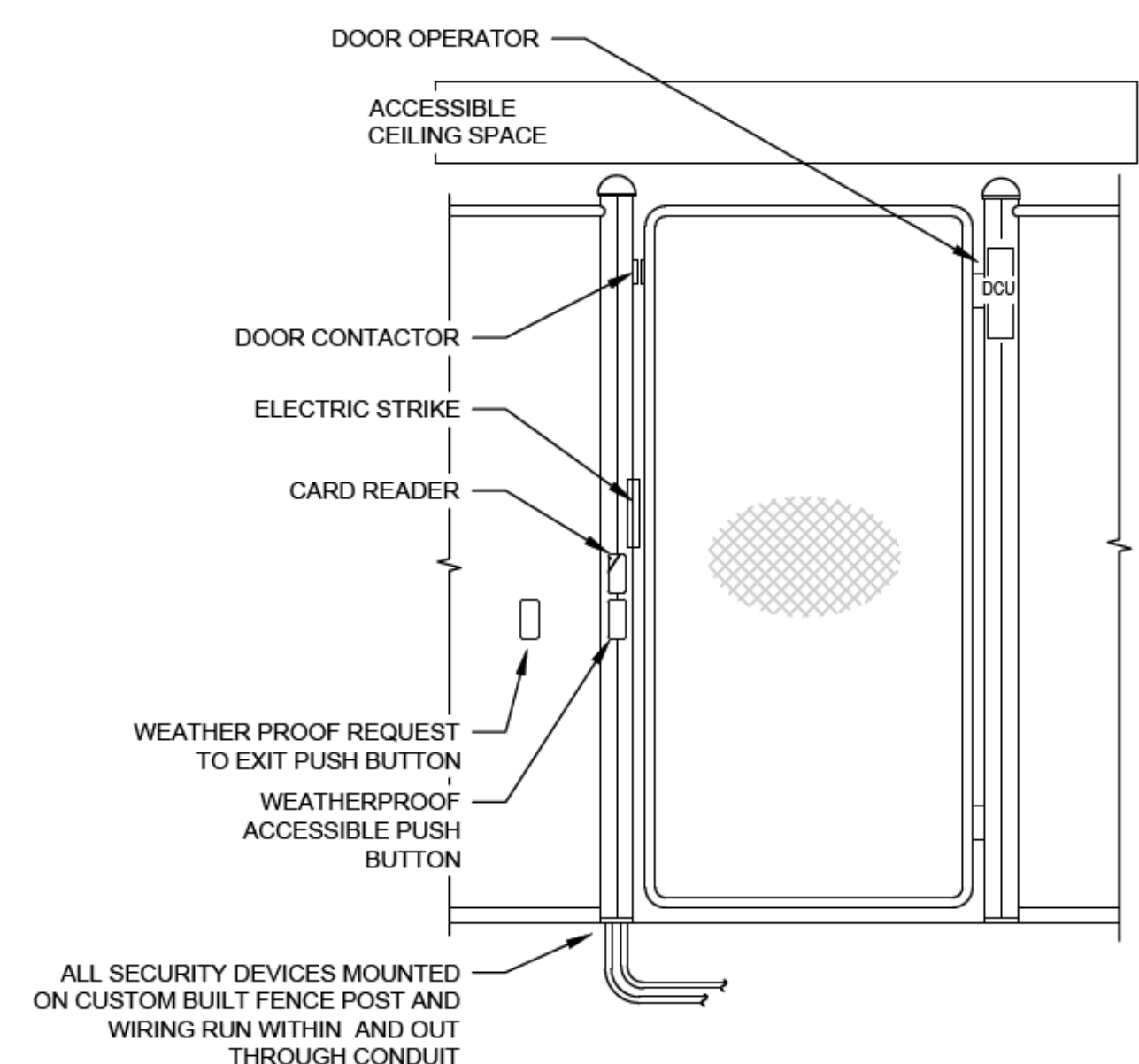
LUMINAIRE SCHEDULE							
TYPE	DESCRIPTION		TYPICAL LOCATION	MINIMUM ACCEPTABLE STANDARD	MINIMUM ACCEPTABLE STANDARD	VOLTAGE	LIGHT SOURCE
A	RECESSED WEATHERPROOF DOWNLIGHT		WALKWAY	LITHONIA	WF4-LED-39K-8N	UNV	8.6W, 87SL, 3500K
B	EXTERIOR BOLLARD		EXTERIOR PATH	EATON	1800-0A-24-20LED3515-UNV-CS-7048PK	UNV	18.9W, 23SL, 3500K
C	SURFACE MOUNT STRIP LIGHT		EXTERIOR WASH	PHILLIPS	8C5425 3500 WB L1220	UNV	20W, 103SL, 3500K



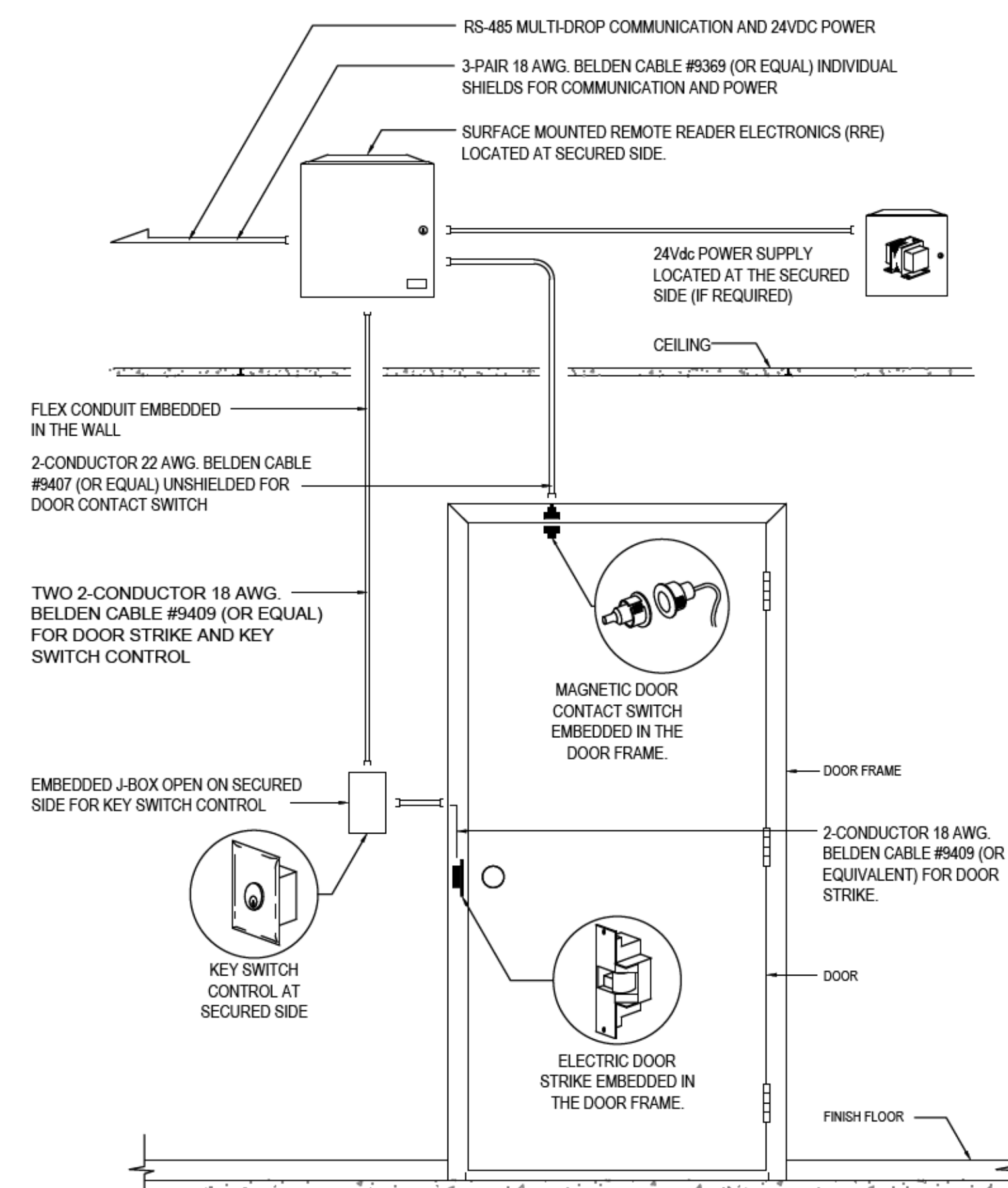
2 TYPICAL BOLLARD DETAIL
E-200 SCALE: 1:10

EXISTING PANEL 'CM'											
Voltage: - 120/208V, 3P, 4W Location: - Mezzanine Mounting: - Flush Bus Size: - 225A Fault Current Rating: - 22 KA Other: - COMBINATION PANEL 100A BREAKER											
CCT	Description	Bkr	Ph	A	B	C	Ph	Bkr	Description	CCT	
1	OFFICE RECEPTABLES (NIC)	15	1	X				1	20	WALKWAY LIGHTS	2
3	OFFICE RECEPTABLES (NIC)	15	1	X				1	20	PARKING PATH BOLLARD LIGHTS	4
5	DATA RACK RECEPTACLE (NIC)	20	1		X			1	20	DOOR OPERATOR	6
7	OFFICE RECEPTABLES (NIC)	15	1	X				1	20	DOOR OPERATOR	8
9	HOUSEKEEPING RECEPTACLE (NIC)	20	1	X				1	20	DOOR OPERATOR	10
11	OFFICE RECEPTABLES (NIC)	15	1		X			1	20	OFFICE LIGHTING (NIC)	12
13	OFFICE RECEPTABLES (NIC)	15	1	X				1	20	OFFICE LIGHTING / BR-1 (NIC)	14
15	OFFICE RECEPTABLES (NIC)	15	1	X				1	20	OFFICE LIGHTING (NIC)	16
17	OFFICE RECEPTABLES (NIC)	15	1		X			1	20	OFFICE LIGHTING (NIC)	18
19	OFFICE RECEPTABLES (NIC)	15	1	X				1	20	OFFICE LIGHTING (NIC)	20
21	OFFICE RECEPTABLES (NIC)	15	1	X				1	20	EMERGENCY EXIT SIGNS	22
23	OFFICE RECEPTABLES (NIC)	15	1		X			1	20	EXTERIOR RECEPTABLES - GFI	24
25	OFFICE RECEPTABLES (NIC)	15	1	X				1	15	CCTV CAMERA POWER	26
27	OFFICE RECEPTABLES (NIC)	15	1	X				1	15	EXIT SIGNS	28
29	OFFICE RECEPTABLES (NIC)	15	1		X			1	15	KANTECH CONTROLLER	30
31	OFFICE RECEPTABLES (NIC)	15	1	X				1	15	EXIT SIGN VDC POWER SUPPLIES	32
33	PRINTER RECEPTACLE (NIC)	20	1	X				1	15	PHOTOCBLL	34
35	OFFICE RECEPTABLES (NIC)	15	1		X			1	15	TIMELock	36
37	OFFICE RECEPTABLES (NIC)	15	1	X				1	15	CCTV	38
39	OFFICE RECEPTABLES (NIC)	15	1	X				1	15	CCTV MONITOR	40
41	OFFICE RECEPTABLES (NIC)	15	1		X			1	15	CARD ACCESS	42
43	OFFICE RECEPTABLES (NIC)	15	1	X				1	20	VESITBULE GRAZING LIGHTING	44
45	OFFICE RECEPTABLES (NIC)	15	1	X							46
47	OFFICE RECEPTABLES (NIC)	15	1		X						48
49	PRINTER RECEPTACLE (NIC)	20	1	X							50
51	OFFICE RECEPTABLES (NIC)	15	1		X						52
53	OFFICE RECEPTABLES (NIC)	15	1		X						54
55	HOUSEKEEPING RECEPTACLE (NIC)	20	1	X				1	15	DATA RACK FAN (NIC)	56
57	WASHROOM GFCI RECEPTABLES (NIC)	15	1	X				1	20	DATA RACK UPS (NIC)	58
59	KITCHENETTE GFCI RECEPTABLES (NIC)	15	1		X			1	15	SPARE	60
61	OFFICE RECEPTABLES (NIC)	15	1	X				1	15	SPARE	62
63	HOUSEKEEPING RECEPTACLE (NIC)	20	1	X				1	15	SPARE	64
65	SHARED EQUIPMENT RECEPTACLE (NIC)	20	1	X				1	15	SPARE	66
67	SHARED EQUIPMENT RECEPTACLE (NIC)	20	1	X				1	15	SPARE	68
69	HOUSEKEEPING RECEPTACLE (NIC)	20	1	X				1	15	SPARE	70
71					X			1	15	SPARE	72
73				X				1	15	SPARE	74
75					X			1	15	SPARE	76
77					X			1	15	SPARE	78
79				X				1	15	SPARE	80
81					X			1	15	SPARE	82
83						X		1	15	SPARE	84

NEW CIRCUITS (BOLD) ON EXISTING PANEL CM.



3 TYPICAL GATED CARD ACCESS SYSTEM DETAIL
E-200 SCALE: NTS



4 TYPICAL SECURED DOOR CARD ACCESS SYSTEM DETAIL
E-200 SCALE: NTS



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**ELECTRICAL SCHEDULES
AND DETAILS**

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R.000000.000	E-200	D