

LEGEND

- POST TOP LIGHT POLE ON A MODIFIED MMCD TYPE B CONCRETE BASE (REFER TO SHEET 03 FOR DETAILS). REFER TO VAN DER ZALM DRAWINGS FOR FIXTURE AND POLE MODEL No.'s
- WALL LIGHT FIXTURE. REFER TO VAN DER ZALM DRAWINGS FOR MODEL No.
- IN GROUND SPLASH PAD LIGHTING FIXTURE. REFER TO VAN DER ZALM DRAWINGS FOR MODEL No.
- FUTURE POST TOP LIGHT POLE LOCATION.
- LARGE ROUND PLASTIC JUNCTION BOX (2 SECTIONS DEEP) C/W BONDED, GALVANIZED LOCKABLE STEEL LID. SEE DETAIL ON SHEET 03.
- LARGE ROUND PLASTIC COMMUNICATIONS BOX (2 SECTIONS DEEP) C/W GALVANIZED LOCKABLE STEEL LID. SEE DETAIL ON SHEET 03.
- RPVC CONDUIT & CONDUCTORS
- 3 No. 6 RW90 LTG. & 1 No. 8 RW90 BOND IN A 50mm RPVC
- 2 No. 6 RW90 LTG. & 1 No. 8 RW90 BOND IN A 50mm RPVC
- 78mm RPVC COMM CONDUIT
- 50mm RPVC C/W PULLSTRING
- 50mm RPVC CONDUIT ONLY. STUB OUT, CAP & MARK LOCATION

- NOTES:**
- ALL WORK SHALL CONFORM TO THE MOST CURRENT EDITION OF THE CANADIAN ELECTRICAL CODE C.S.A.-C22.1 AND ANY BULLETINS ISSUED BY THE ELECTRICAL SAFETY BRANCH, THE B.C. BUILDING CODE AND THE MMCD GOLD BOOK (2000 EDITION).
 - CONDUITS SHALL BE INSTALLED IN A COMMON TRENCH, CAP ALL EMPTY CONDUITS AND INSTALL PULL STRING.
 - BEFORE DMD CAN PROVIDE A FINAL INSPECTION THE CONTRACTOR MUST ENSURE THAT THE ENTIRE ELECTRICAL SYSTEM IS FULLY FUNCTIONAL AND THAT SUBSTANTIAL COMPLETION HAS BEEN OBTAINED.
 - ALL COMMON CIRCUIT WIRING SHALL BE TAGGED & TY-RAPPED AS DETAILED IN THE MMCD.
 - ALL CONDUCTORS SHALL BE STRANDED COPPER, TYPE RW90 INSULATED AND COLOUR CODED.
 - CONTRACTOR SHALL KEEP A RECORD OF ALL ELECTRICAL INSTALLATIONS ON A DEDICATED SET OF DRAWINGS AND SUBMIT AS BUILT INFORMATION TO ELECTRICAL CONSULTANT (DMD AND ASSOCIATES LTD.) WITHIN 2 WEEKS AFTER END OF CONSTRUCTION. THIS IS A CONDITION OF SUBSTANTIAL PERFORMANCE.
 - CONTRACTOR SHALL LOCATE AND AVOID ALL UNDERGROUND SERVICES.
 - REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL DETAILS.
 - CONDUIT BURIED UNDERGROUND SHALL BE RIGID PVC (RPVC).
 - ALL ELECTRICAL WORK SHALL BE UNDERTAKEN BY A QUALIFIED ELECTRICAL CONTRACTOR WHO SHALL TAKE OUT ALL REQUIRED PERMITS AND APPROVALS.
 - ALL ELECTRICAL EQUIPMENT SHALL BE CSA OR CUL LISTED AND MUST MEET ELECTRICAL INSPECTOR APPROVAL.
 - TOP OF CONDUITS SHALL BE A MINIMUM OF 600mm BELOW FINISHED GRADE. A BURIED YELLOW MARKER TAPE SHALL BE INSTALLED IN ALL TRENCHES.
 - ALL METAL PARTS (NON-CURRENT CARRYING) IN AND AROUND THE SPLASH PAD SHALL BE BONDED TOGETHER AS PER CEC REQUIREMENTS. BONDING CONDUCTOR SHALL BE OF COPPER AND NOT SMALLER THAN No.6 AWG. A LOOP OF No.6 AWG COPPER BONDING CONDUCTOR SHALL BE PROVIDED AROUND THE SPLASH PAD. SPLASH PAD REINFORCING STEEL SHALL BE BONDED WITH A MINIMUM OF FOUR CONNECTIONS TO THE BOND LOOP, EACH CONNECTION EQUALLY SPACED AROUND THE PERIMETER.
 - CONTRACTOR TO REFER TO CONTRACT DOCUMENT AND SPECIFICATIONS FOR KIOSK MANUFACTURING DETAILS
 - CONTRACTOR SHALL PROVIDE DMD & ASSOCIATES ONE SET OF SHOP DRAWINGS FOR SERVICE KIOSK PRIOR TO FINAL ORDER OF EQUIPMENT.

DMD

DMD & Associates Ltd.

#12-17358 104A Avenue
Surrey, BC, Canada V4N 5M3

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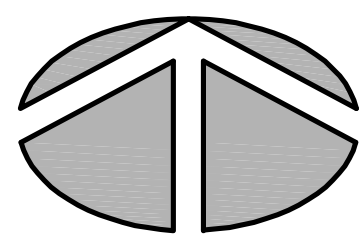
DESIGNED	DONATO SPEIDEL
DRAWN	BOB KELLIE
CHECKED	DANIEL J. WONG
DATE	2012-02-01
SCALE:	1:500
SEAL	

No.	DATE	BY	CHK'D	REVISION
.	2012-03-19	DMS	DJW	ISSUED FOR TENDER REVIEW
1	2012-04-19	DMS	DJW	ISSUED FOR TENDER
2	2012-05-10	DMS	DJW	ADDENDUM 1
3	2012-06-06	DMS	DJW	ISSUED FOR CONSTRUCTION
4	2013-05-28	SH	DJW	RECORD DRAWING

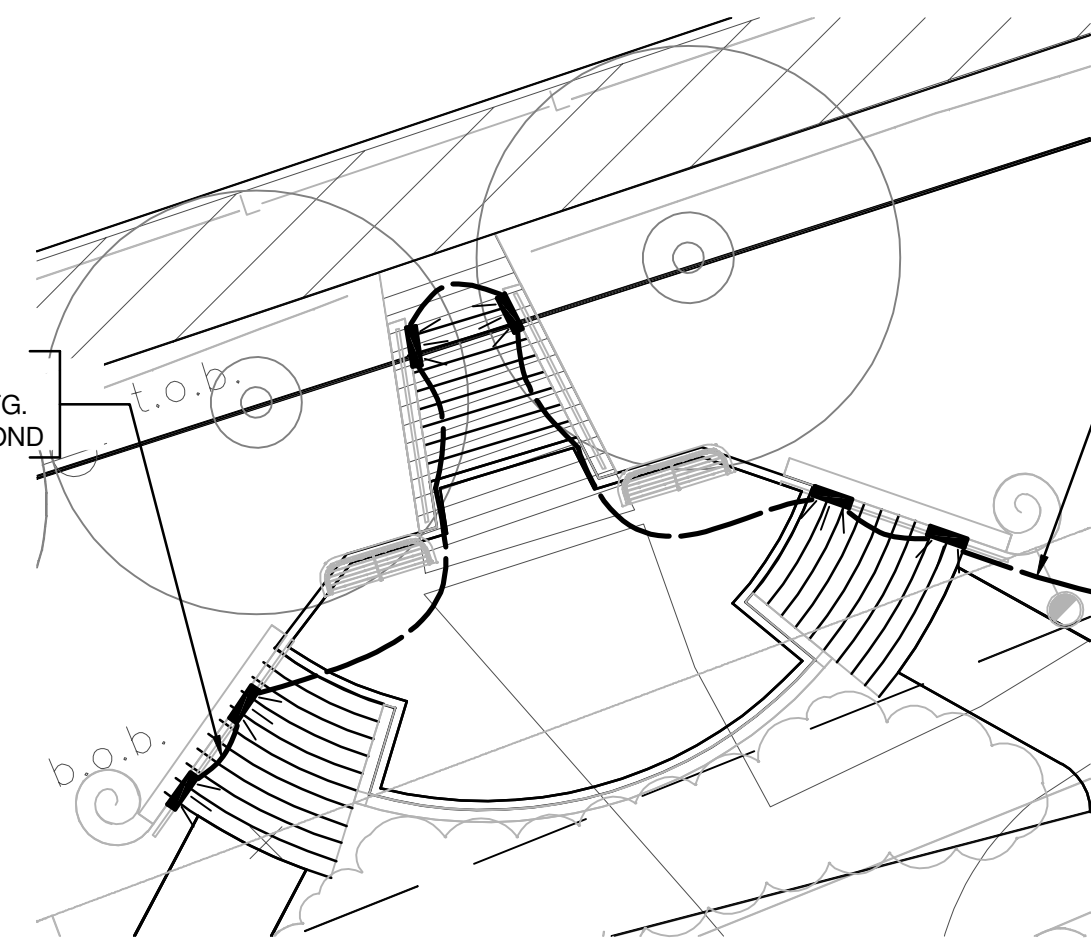
van der Zalm + associates inc.
Suite 1 - 8938 192 Street, Surrey, BC V4N 3W8

LIGHTING AND ELECTRICAL DISTRIBUTION
MACKIN PARK
BRUNETTE AVENUE
COQUITLAM, B.C.

PROJECT No.	3687-12-01 of 03	SHEET No.	1 of 3	REVISION	4
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1-16mm RPVC
2 No. 14 RW90 LTG.
1 No. 14 RW90 BOND

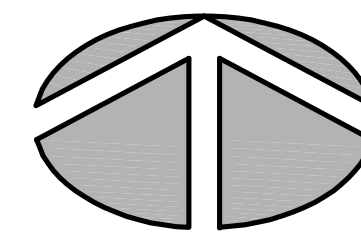


1-16mm RPVC
3 No. 14 RW90 LTG.
1 No. 14 RW90 BOND
(TYPICAL UNLESS OTHERWISE NOTED)

TO JUNCTION BOX

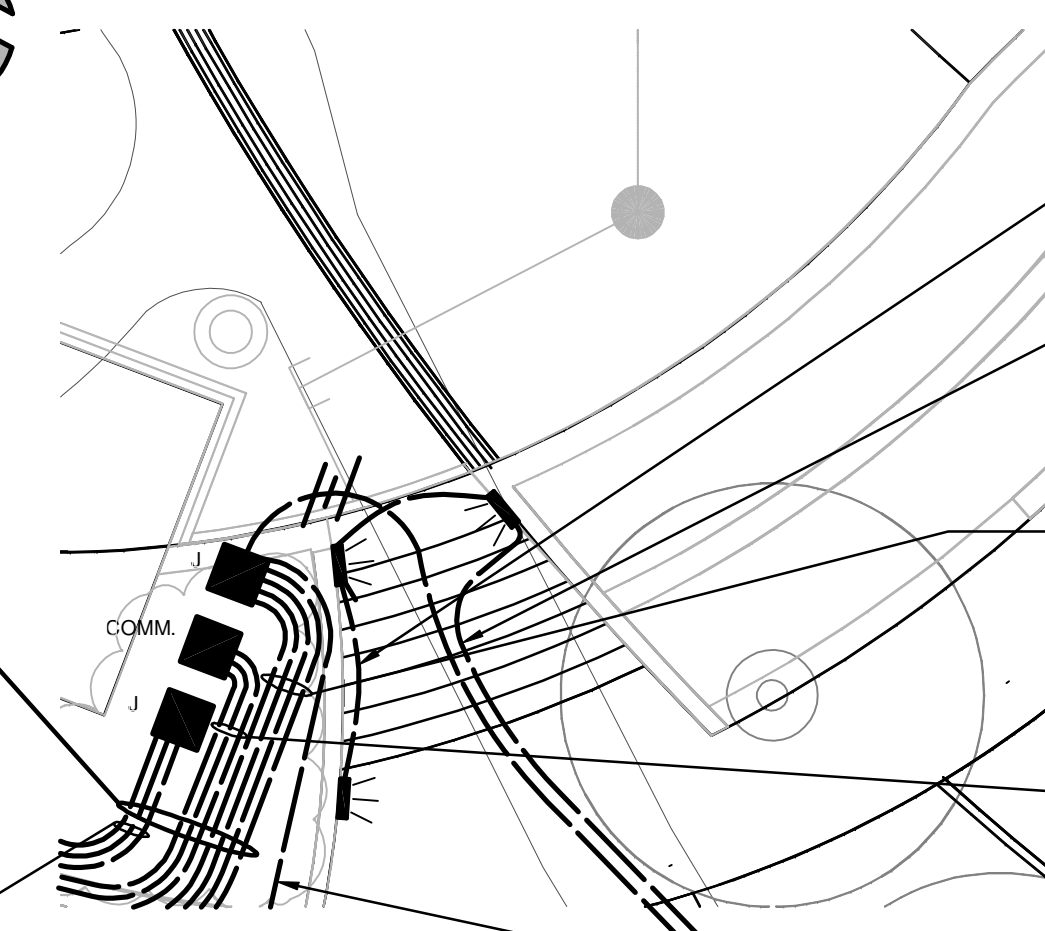
SITE PLAN ENLARGEMENT A

0 1:125 10



CONDUIT FROM BUILDING TO NEAREST JB

1-50mm RPVC
SPRAY PARK CONDUCTORS
1 No. 6 RW90 BOND
2-50mm RPVC
(EMPTY)



1-16mm RPVC
2 No. 14 RW90 LTG.
1 No. 14 RW90 BOND

1-16mm RPVC
3 No. 14 RW90 LTG.
1 No. 14 RW90 BOND
(TYPICAL UNLESS OTHERWISE NOTED)

1-78mm RPVC
3 No. 4/0 RW90 WASHROOM PWR.
1 No. 4 RW90 BOND

1-50mm RPVC (COMM)
2-CAT 5 CABLES
6-1PR 1402 SPEAKER CABLES
3 AM-2222 CABLES
1 DMX CABLE

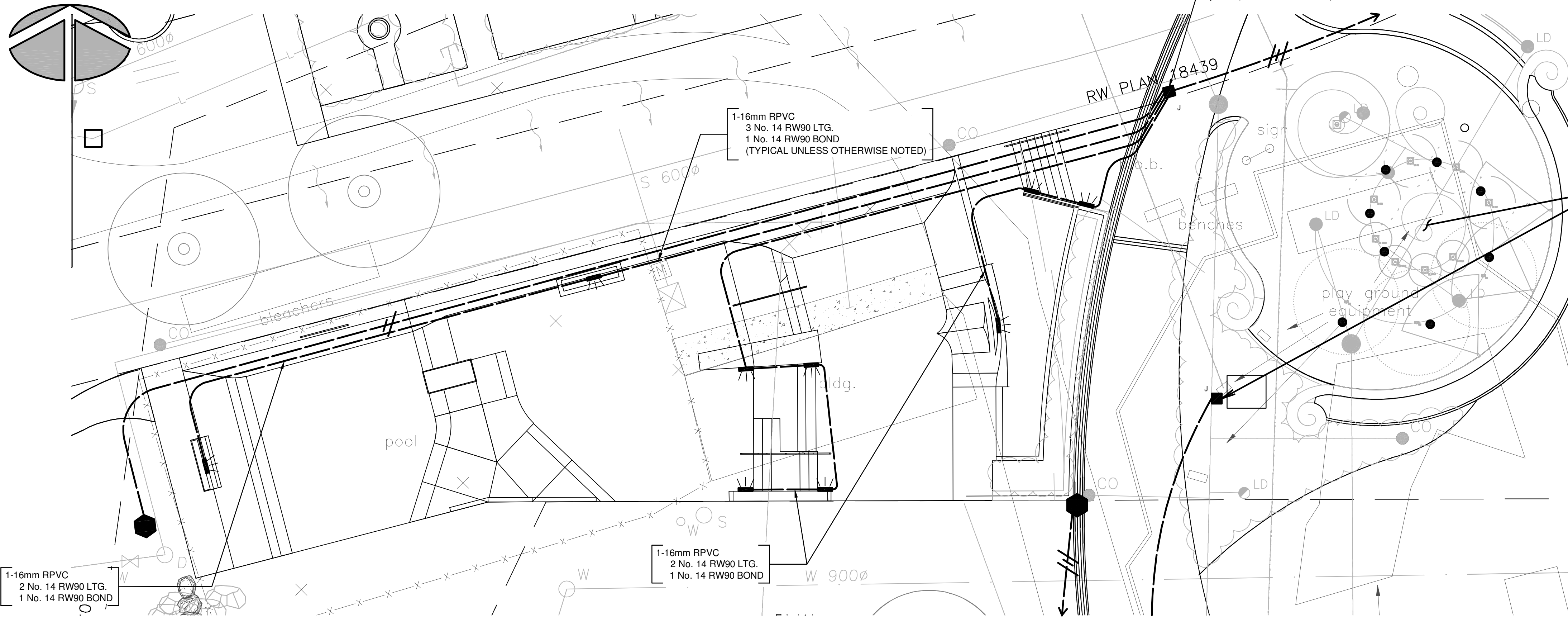
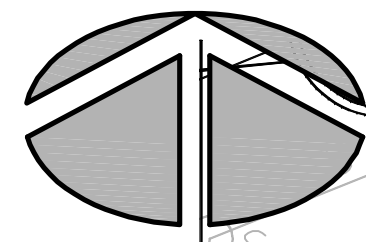
2-50mm RPVC (COMM)
(EMPTY)

1-78mm RPVC
3 No. 1 RW90 CONCESSION PWR.
1 No. 6 RW90 BOND

SITE PLAN ENLARGEMENT D

0 1:125 10

TO JUNCTION BOX



1-16mm RPVC
3 No. 14 RW90 LTG.
1 No. 14 RW90 BOND
(TYPICAL UNLESS OTHERWISE NOTED)

STEP LIGHTS FUSED IN JUNCTION
BOX (1 FUSE PER PHASE)

RW PLAN 18439

REFER TO WATER PLAY
DRAWINGS FOR SPLASH PAD
ELECTRICAL DETAILS

1-16mm RPVC
2 No. 14 RW90 LTG.
1 No. 14 RW90 BOND

1-16mm RPVC
2 No. 14 RW90 LTG.
1 No. 14 RW90 BOND

SITE PLAN ENLARGEMENT C

0 1:125 10

REFER TO SHEET 1 FOR LEGEND AND NOTES



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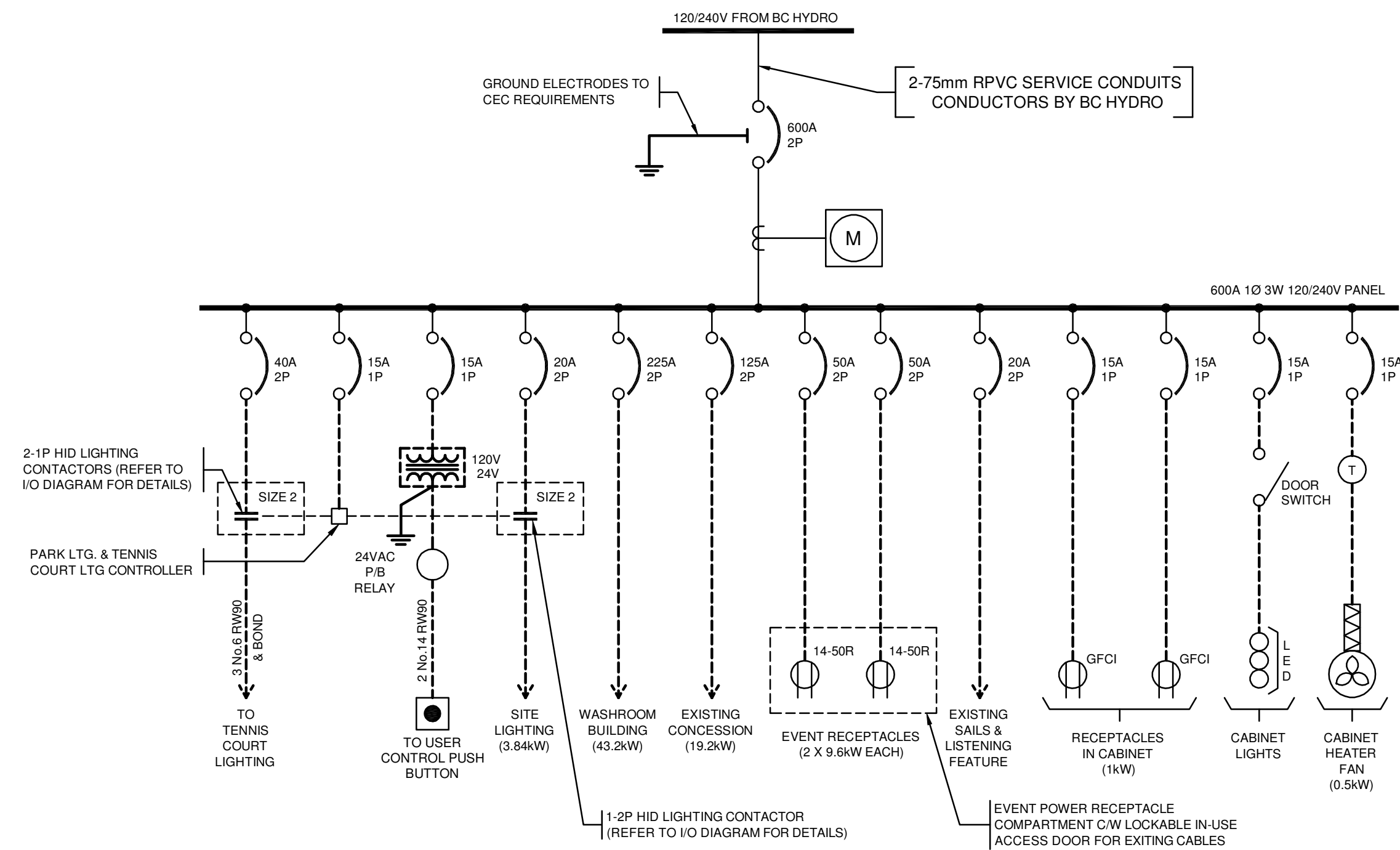
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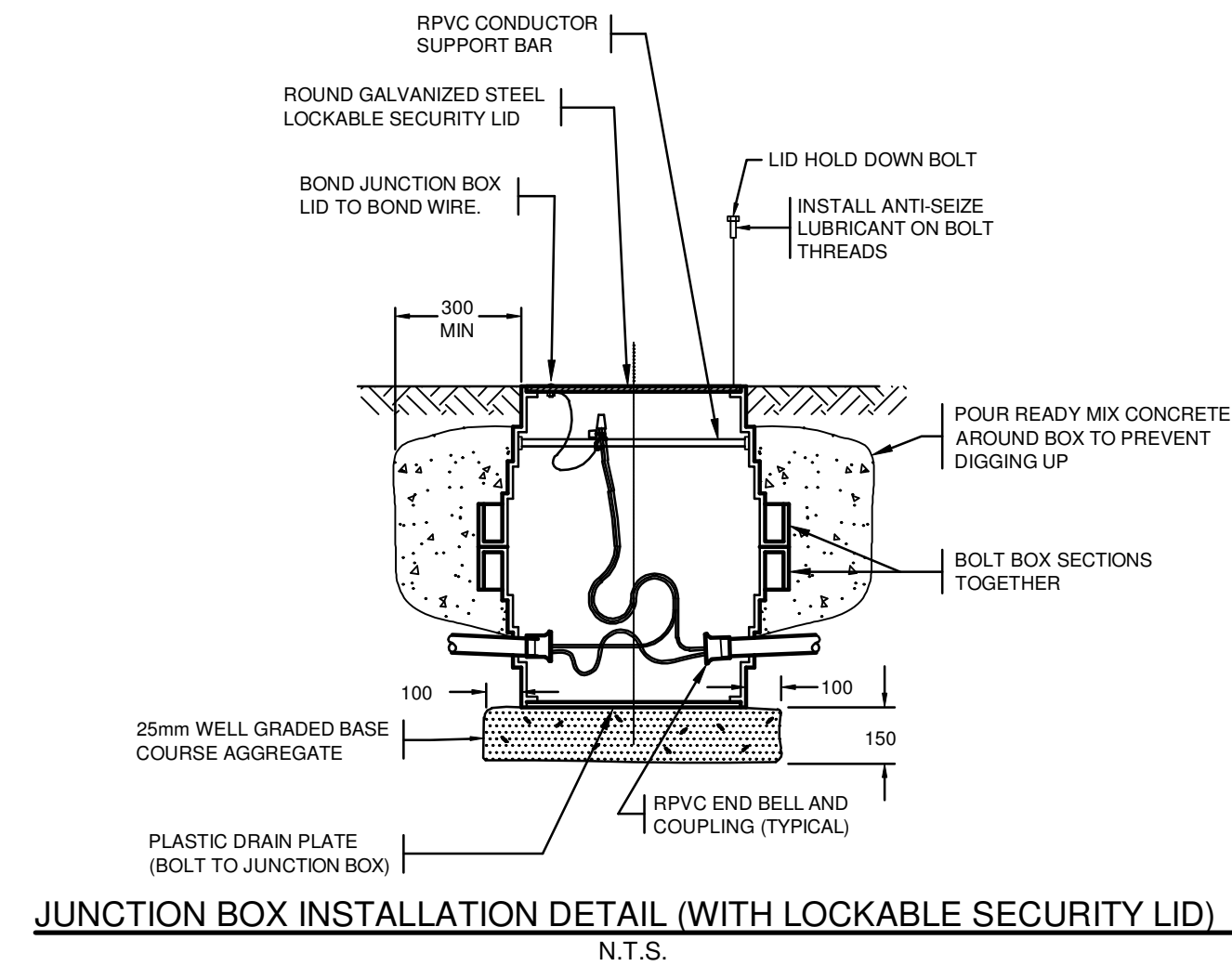
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PROJECT No.	3687-12-02 of 03	SHEET No.	2 of 3	REVISION	4
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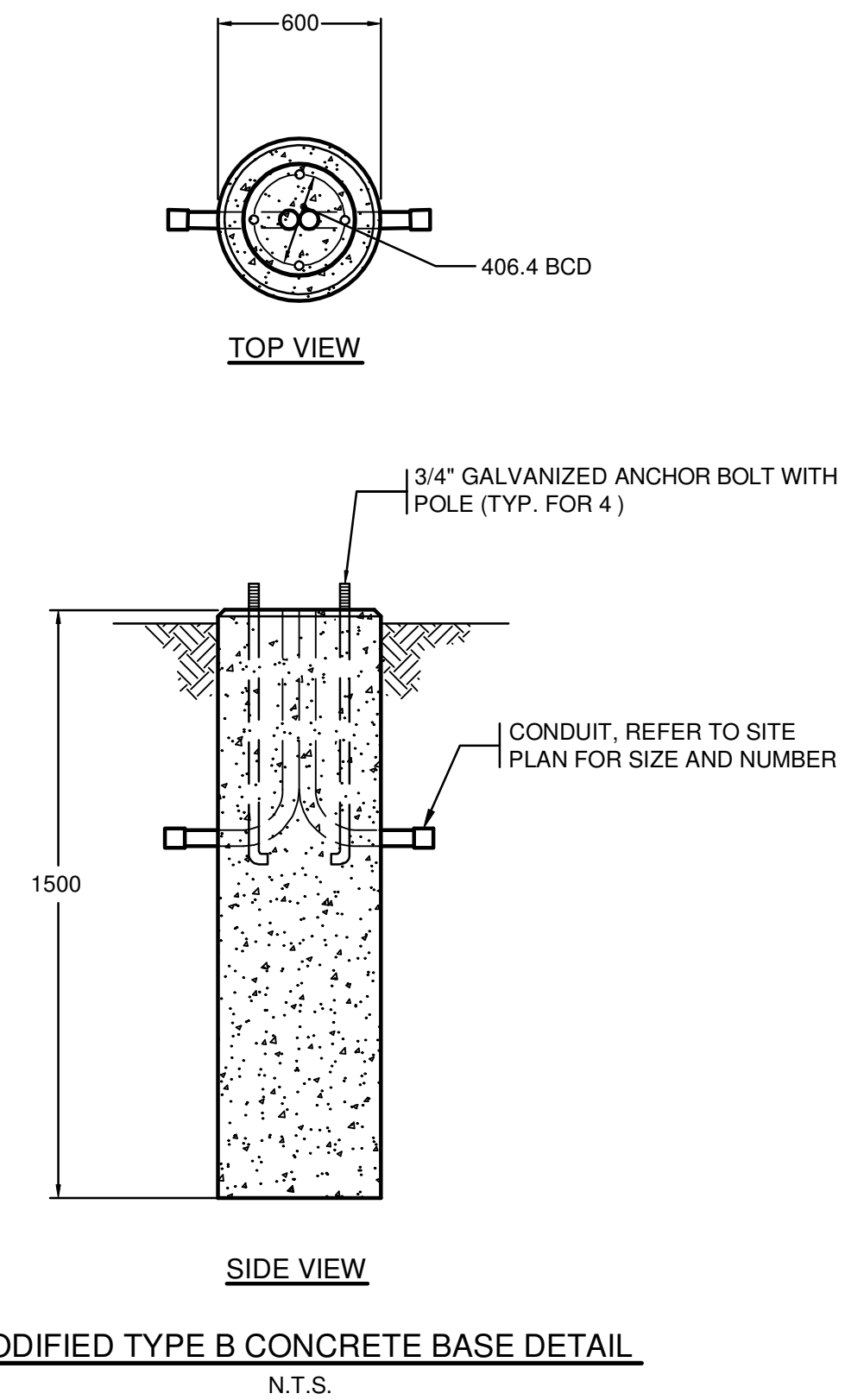
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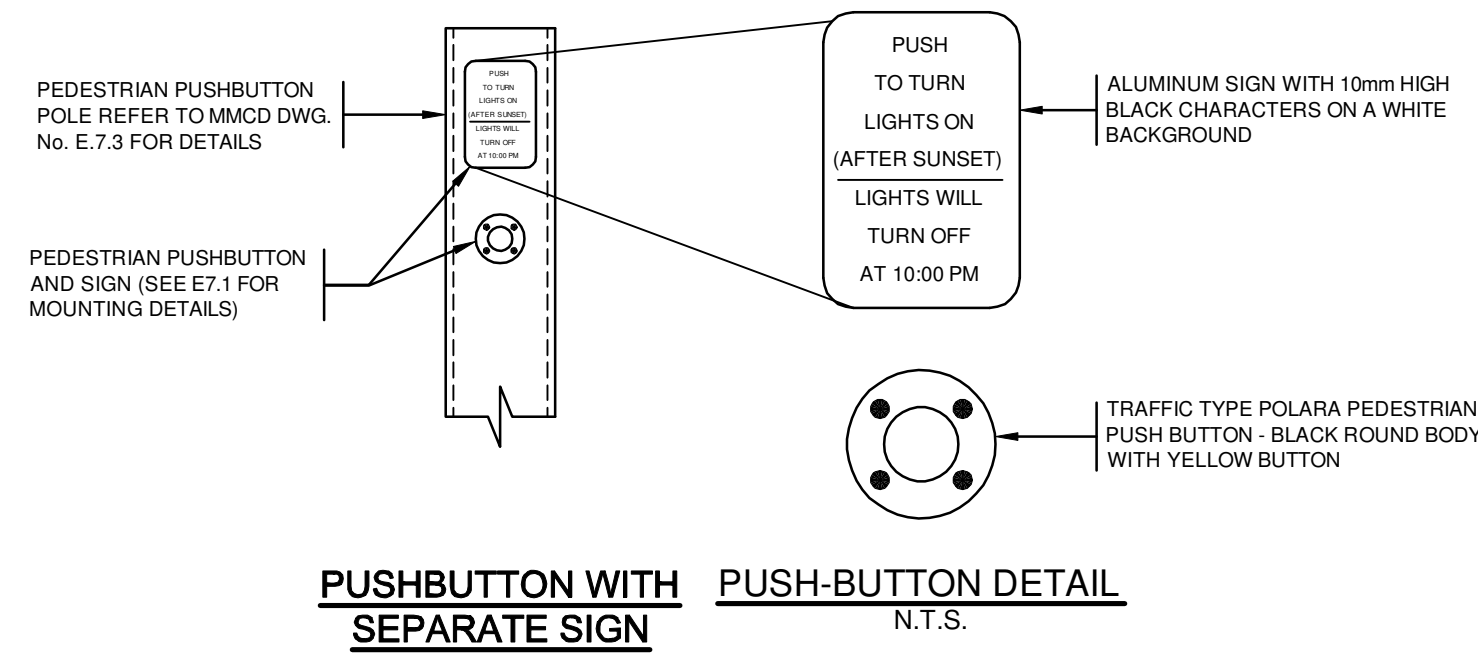
SINGLE LINE DIAGRAM
N.T.S.



- NOTES**
- JUNCTION BOX SHALL BE WEST COAST ENGINEERING LARGE ROUND PLASTIC TYPE (2 SECTIONS DEEP).
 - INSTALL LID ON PLASTIC JUNCTION BOX BEFORE BACKFILLING, TAMPING & PAVING OPERATIONS.
 - INSTALL TOP OF JUNCTION BOX FLUSH WITH FINISHED GRADE.
 - ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
 - LOCKABLE SECURITY LID SUPPLIED BY BILL MATHERS CONTRACTING, PH: 604-825-7210, FAX: 604-596-2042.

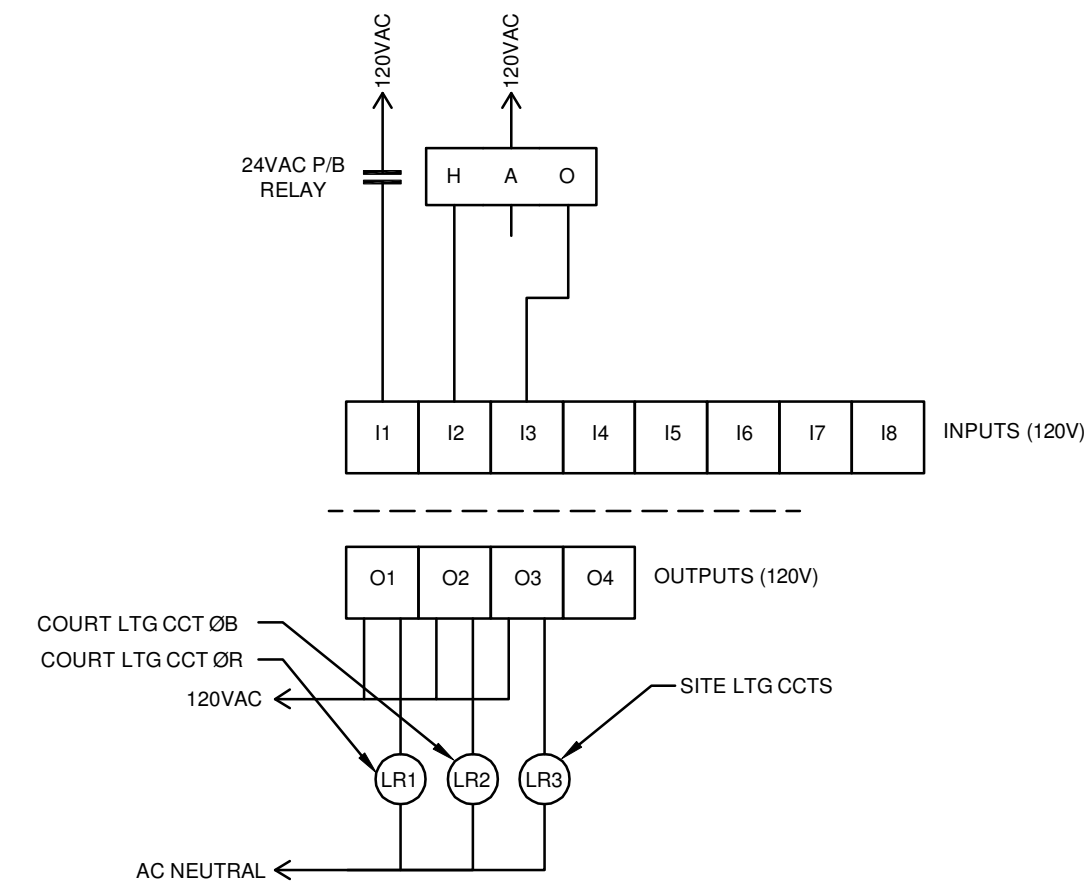


MODIFIED TYPE B CONCRETE BASE DETAIL
N.T.S.



PUSHBUTTON WITH SEPARATE SIGN
N.T.S.

PUSH-BUTTON DETAIL
N.T.S.



SCHNEIDER SMART RELAY - I/O DIAGRAM (LIGHTING CONTROLLER)

TENNIS COURT LIGHTING & SITE LIGHTING CONTROLLER IS SCHNEIDER SMART SENSOR SR2B 121FU C/W 12 I/O TOTAL

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