

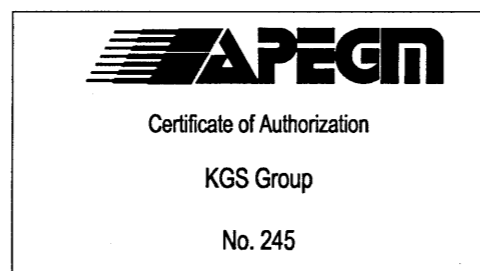
LEGEND

- SMOKE/HEAT DETECTOR
- AUDIBLE DEVICE
- AUDIBLE/VISUAL OR VISUAL DEVICE
- MANUAL PULL STATION
- FIRE EMERGENCY / FIREFIGHTER TELEPHONE OR PHONE JACK
- MAGNETIC DOOR HOLDER
- A.F.F. ABOVE FINISHED FLOOR
- B.F.C. BELOW FINISHED CEILING

GENERAL NOTES:

1. ALL CODE SECTION REFERENCES SHOWN WITHIN THIS DETAIL ARE FOR THE INSTALLATION OF FIRE ALARM SYSTEMS CANULC-S524.
2. REFER TO THE PROPER DEVICE INSTALLATION INSTRUCTIONS FOR BACKBOX MOUNTING HEIGHT. TYPICAL FOR ALL FIRE ALARM DEVICES.
3. OTHER MOUNTING HEIGHTS FOR AUDIBLE APPLIANCES SHALL BE PERMITTED BY THE AHJ PROVIDING IT MEETS THE SOUND LEVEL OUTPUT REQUIRED.
4. FOR CEILING HEIGHTS LESS THAN 2100mm (88"), THE VISUAL LENS MOUNTING HEIGHT SHALL BE WITHIN 150mm (6") OF THE CEILING.
5. SYNCHRONIZE TWO OR MORE APPLIANCES IN ANY FIELD OF VIEW. (SECTION 5.4.5.2)
6. MEASUREMENTS SHOWN ARE TO THE CLOSEST EDGE OF THE DETECTOR. (SECTION 5.7.5.1.1 FIGURE 19)
7. MANUAL PULL STATION SHALL BE INSTALLED TO 1200mm (48") WITHIN THE CITY OF WINNIPEG AS PER "MOUNTING HEIGHTS OF ELECTRICAL CONTROLS IN BARRIER-FREE PATHS OF TRAVEL" NOTICE ISSUED SEPTEMBER 24, 2008. MANITOBA BUILDING CODE SECTION 3.8.1.5.
8. VISUAL APPLIANCE MOUNTING HEIGHT CONSIDERATIONS IN SLEEPING ROOMS
 - MIN DISTANCE IN SLEEPING ROOMS IS 610mm (24") FROM CEILING TO TOP OF LENS FOR 110CD STROBES WITHIN 4877mm (192") OF THE PILLOW.
 - 177CD STROBES, USED IN SLEEPING ROOMS, CAN BE WITHIN THE 610mm (24") MINIMUM DISTANCE FROM THE CEILING. THE HIGHER INTENSITY IS TO COMPENSATE FOR A POSSIBLE SMOKE LAYER.
9. MAGNETIC DOOR HOLDER TO BE EITHER A SURFACE MOUNTED DEVICE OR INTEGRATED/INTERLOCK WITH THE DOOR OPERATOR.

1 FIRE ALARM DEVICE MOUNTING HEIGHT DETAIL (PER CAN/ULC-S524)
N.T.S.



LOCATION APPROVED UNDERGROUND STRUCTURES

| SUPV. U/G STRUCTURES COMMITTEE | DATE |
|--------------------------------|------|
| | |

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

| NO. | REVISIONS | DATE | BY |
|-----|-------------------|----------|--------|
| 0 | ISSUED FOR TENDER | 17/03/14 | C.L.C. |

KGS GROUP CONSULTING ENGINEERS

| | | | |
|-------------|----------|----------------------------|----------|
| DESIGNED BY | CLS | CHECKED BY | CLS |
| DRAWN BY | SOC | APPROVED BY | CLS |
| HOR. SCALE: | AS NOTED | RELEASED FOR CONSTRUCTION: | |
| VERTICAL: | AS NOTED | DATE | 16/08/17 |

ENGINEER'S SEAL

CONSULTANT PROJECT NO. 16-0107-010

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

PROJECT TITLE: 4R WINNIPEG DEPOT EAST WINNIPEG COMMUNITY RESOURCE RECOVERY CENTRE

FIRE ALARM MOUNTING STANDARD

| | |
|---------------------------|-------------|
| SHEET OF | 40 OF 41 |
| COMPUTER FILE NAME | 16-0107-010 |
| CONSULTANT DRAWING NUMBER | E15 |