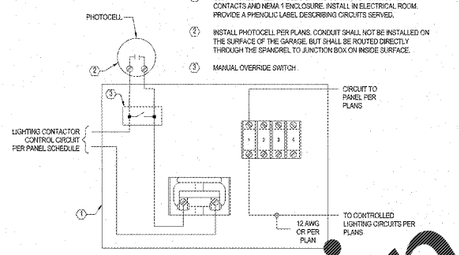
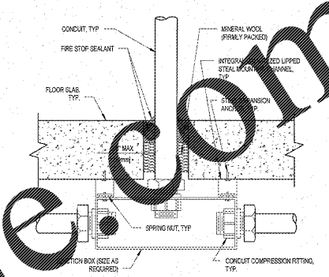
Order Plans @ WWW.LDLine.com

LIGHTING CONTACTOR/CONTROL NOTES:

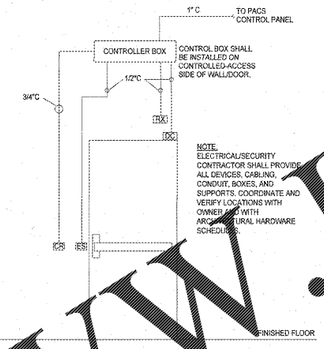
1. ELECTRICALLY HELD 4-POLE LIGHTING CONTACTOR WITH 30 AMP CONTACTS AND NEMA 1 ENCLOSURE. INSTALL IN ELECTRICAL ROOM. PROVIDE A PHENOLIC LABEL DESCRIBING CIRCUITS SERVED.
2. INSTALL PHOTOCELL PER PLANS. CONDUIT SHALL NOT BE INSTALLED ON THE SURFACE OF THE GARAGE, BUT SHALL BE ROUTED DIRECTLY THROUGH THE SPANDREL TO JUNCTION BOX ON INSIDE SURFACE.
3. MANUAL OVERRIDE SWITCH



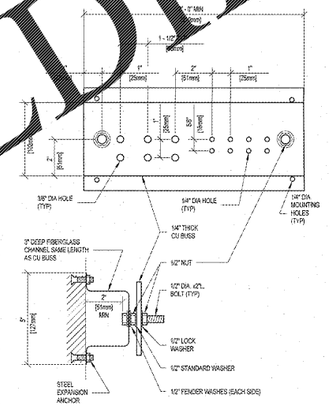
5 LIGHTING CONTACTOR DETAIL
NTS



2 FLOOR SLAB PENETRATION DETAIL
N.T.S.



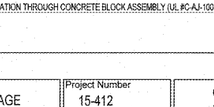
7 DOOR CONTROL READER ACCESS DETAIL
N.T.S.



GENERAL NOTES:
1. ALL HARDWARE SHOWN SHALL BE STAINLESS STEEL.
2. MOUNTING POINTS SHALL BE SPACED 12" MAX.
3. HOLES MAY BE ADDED IF REQUIRED.

4 PARKING GARAGE ELECTRICAL ROOM GROUNDING BAR DETAIL
N.T.S.

System No. C-AJ-1001
June 15, 2005
F Rating - 3 Hr
T Rating - 0 Hr
W Rating - Class I (See Item 4)



1. Floor or Wall Assembly – Min 4-1/2 in. (114 mm) thick lightweight or normal weight (150–152 pcf or 1600–2400 kg/m3) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks*** . Max diam of annular through opening is 32-1/2 in. (826 mm).

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

1A. Steel Sleeve (Optional, not shown) – Nom 12 in. (305 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe sleeve cast into concrete floor or wall. Sleeve to be flush with or project max 2 in. (51mm) from top surface of floor or from both surfaces of wall.

2. Through Penetrant – One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm)(point contacts) to max 1-3/8 in. (35 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe – Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
A1. Iron Pipe – Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
B. Conduit – Nom 8 in. (152 mm) diam (or smaller) rigid steel conduit.
C. Conduit – Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.

3. Packing Material – Polyethylene backer rod or nom 1 in. (25 mm) thickness of tightly-packed ceramic (alumina silica) fiber blanket, mineral wool batt or glass fiber insulation material used as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of solid concrete or concrete block wall as required to accommodate the required thickness of caulk fill material (Item 4). As an alternate when max pipe size is 10 in. (254 mm) diam and when max annular space is 1 in. (25 mm), a min 1 in. (25 mm) thickness of tightly-packed ceramic fiber blanket or mineral wool batt packing material may be recessed min 1/2 in. (13 mm) from bottom surface of floor or from either side of solid concrete wall.

4. Fill,Void or Cavity Materials* - Caulk or Sealant – Applied to fill the annular space to the min thickness shown in the following table:

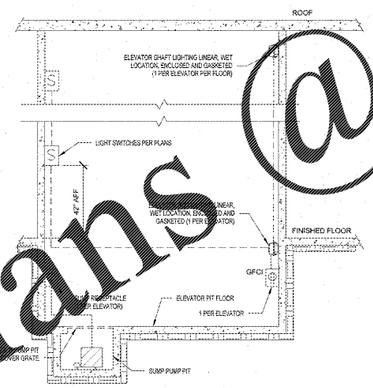
Max Pipe Diam In. (mm)	Max Annular Space In. (mm)	Packing Matl Type (a)	Min Caulk Thkns In. (mm)
10 (254)	1 (25)	BPR, CF, GF, or MW	1/2 (13) (b)
10 (254)	1 (25)	CF or MW	1/2 (13) (c)
30 (762)	1-1/2 (38)	BPR, CF, GF, or MW	1 (25) (b)

(a) BPR = Polyethylene backer rod
CF = Ceramic fiber blanket
GF = Glass fiber insulation
MW = Mineral-wool batt.
(b) Caulk installed flush with top surface of floor or both surfaces of wall.
(c) Caulk installed flush with bottom surface of floor or one surface of solid (non-concrete block) wall.

3M COMPANY – CP 25WB+ caulk or FB-3000 WT sealant.
(Note: W Rating applies only when FB-3000 WT sealant is used.)

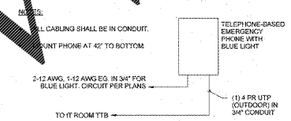
*Bearing the UL Classification Marking

1 CONDUIT PENETRATION THROUGH CONCRETE BLOCK ASSEMBLY (UL #C-AJ-1001)
N.T.S.



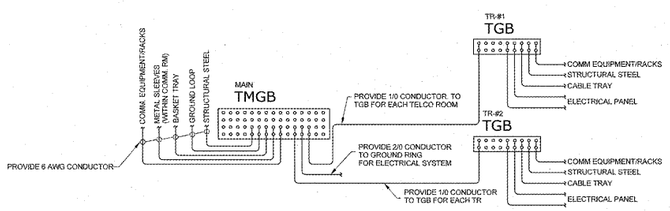
NOTES:
1. IN CASE OF A FIRE ALARM THE ELEVATORS PRIMARY RECALL SHALL BE LEVEL 1 AND THE SECONDARY RECALL SHALL BE LEVEL 2.
2. SEE ARCHITECTURAL PLANS FOR EXACT FLOOR NAMES AND ADDITIONAL HOISTWAY AND PIT INFORMATION

8 ELEVATOR PIT DETAIL3
N.T.S.



8 EMERGENCY PHONE
N.T.S.

NOTES:
1. ALL CONNECTIONS TO THE TMGB AND TGB SHALL BE MADE WITH COMPRESSION STYLE LONG BARREL CONNECTORS ON THE CONDUCTOR AND BUSS BOLTED CONNECTIONS TO THE GROUNDING BUSS. BOLTED CONNECTIONS SHALL BE WITH SILICON BRONZE HARDWARE. CONNECTION TO SLEEVES OR CONDUITS SHALL BY AN APPROVED GROUNDING BUSHING.
2. LOCATE TMGB AND TGB ON THE LEFT OF THE TTB AND 18" AFF
3. ALL CONDUCTORS USED FOR GROUNDING SHALL BE MARKED AT CONNECTION POINT AND EVERY 10' THEREAFTER WITH A LABEL IDENTIFYING IT AS THE TELECOMMUNICATION GROUNDING BACKBONE (TBB). USE PANDUIT BLTYK OR EQUAL.
4. PROVIDE 4"H x 20"L x 1/4"W TMGB
5. PROVIDE 2" H x 24"L x 1/4"W TGB
6. CONTRACTOR SHALL CLEAN THE BUS BAR AND APPLY ANTIOXIDANT PRIOR TO FASTENING THE CONNECTORS TO THE BUS BAR.



3 TELECOM GROUNDING DETAIL
N.T.S.

BID SET

Drawing Title: ELECTRICAL DETAILS	Project Title: CONSTRUCT PARKING GARAGE ON WEST LOT	Project Number: 15-412	OFFICE OF FACILITIES MANAGEMENT
		Building Number:	
Approved for Design Concept: FACILITY MANAGEMENT DIVISION MANAGER	Location: MEMPHIS, TN	Drawing Number: EE501	VA Project Number: 614-319
	Date: 11/14/2016 / Checked By: JKM / Drawn By: SCB		VA | U.S. Department of Veterans Affairs

Revisions: | Date

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