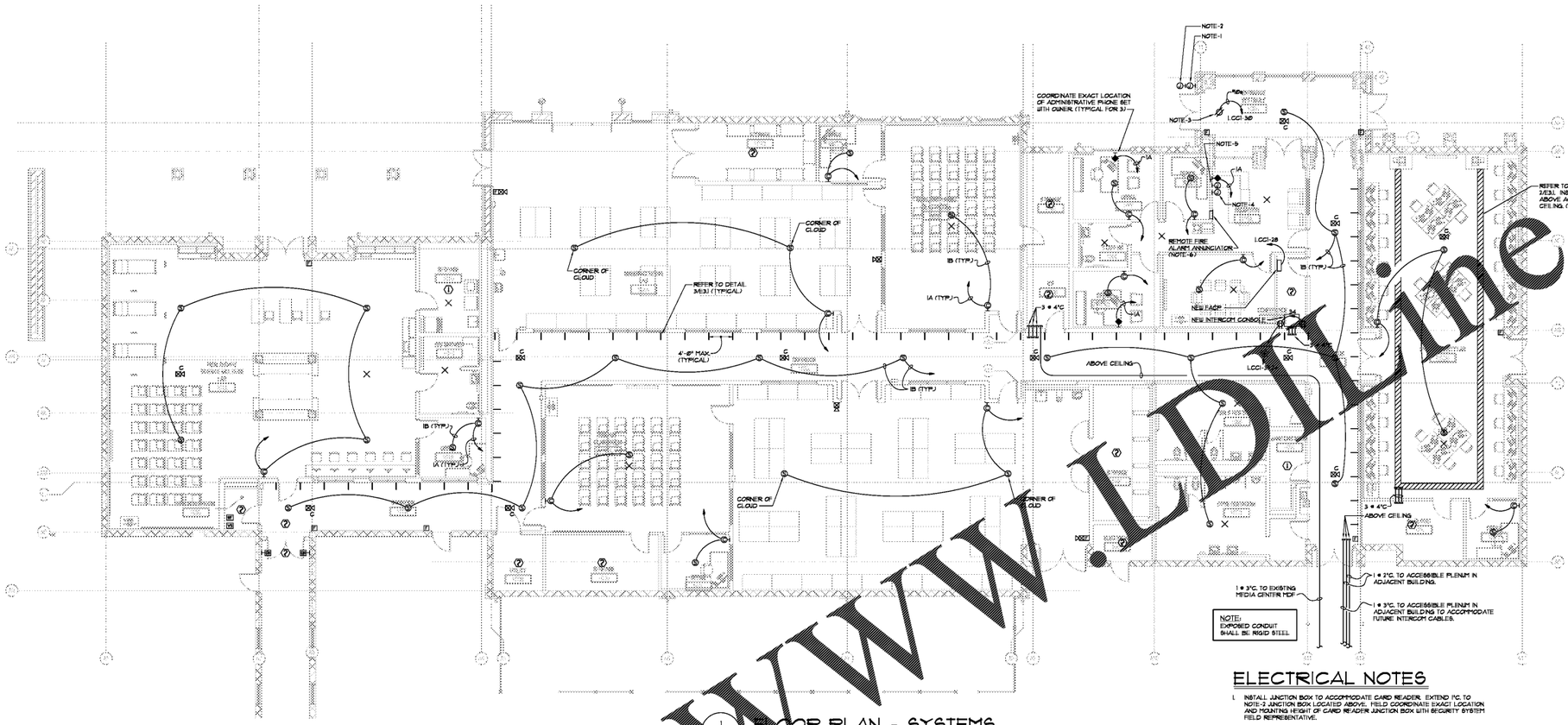


1 E3.1 FLOOR PLAN - SYSTEMS
SCALE: 1/16" = 1'-0"

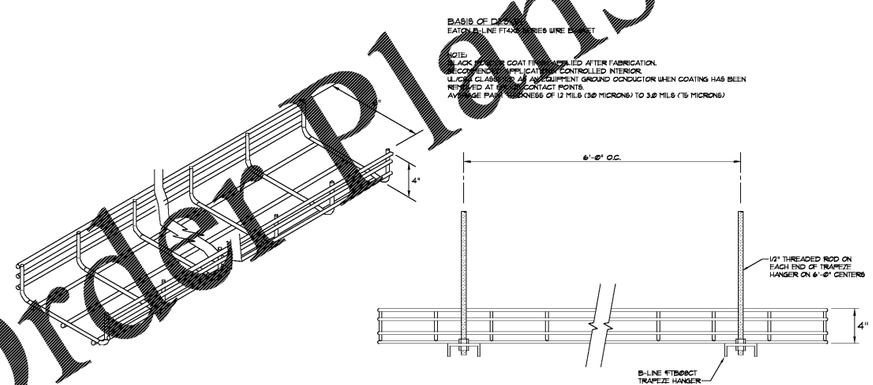
CABLE LEGEND

SYMBOL	DESCRIPTION
A	WIRE MESH CABLE TRAY
B	WIRE MESH TWO-SHELF CABLE TRAY

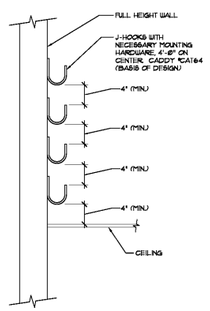
NOTE:
FIRE ALARM SYSTEM AND INTERCOM SYSTEM MUST HAVE CAPACITY TO SERVE ENTIRE CAMPUS, NOT JUST AREAS SHOWN.

ELECTRICAL NOTES

1. INSTALL JUNCTION BOX TO ACCOMMODATE CARD READER. EXTEND 7'C. TO NOTE-2 JUNCTION BOX LOCATED ABOVE. FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF CARD READER JUNCTION BOX WITH SECURITY SYSTEM FIELD REPRESENTATIVE.
2. INSTALL JUNCTION BOX TO ACCOMMODATE CAMERA/INTERCOM DIRECTLY ABOVE CARD READER JUNCTION BOX. EXTEND 7'C. INTO ACCESSIBLE PLENUM. FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF CAMERA/INTERCOM JUNCTION BOX WITH SECURITY SYSTEM FIELD REPRESENTATIVE.
3. INSTALL DUPLEX OUTLET ABOVE ACCESSIBLE CEILING TO ACCOMMODATE 120V CONNECTION TO OWNER INSTALLED POWER SUPPLY. COORDINATE EXACT LOCATION OF OUTLET WITH OWNER.
4. INSTALL JUNCTION BOX 48" AFF TO ACCOMMODATE OWNER INSTALLED DOOR RELEASE BUTTON. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH OWNER. STUB 7'C. INTO ACCESSIBLE PLENUM.
5. INSTALL JUNCTION BOX TO ACCOMMODATE OWNER INSTALLED CABLES ACCOMMODATING CAMERA AND AUDIO CABLES TO RECEPTION DESK. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH OWNER. STUB 7'C. INTO ACCESSIBLE PLENUM.
6. THIS CONTRACTOR SHALL INSTALL ANOTHER FIRE ALARM REMOTE ANNUNCIATOR IN EXISTING ADMINISTRATION OFFICE LOCATED IN ADJACENT BUILDING. FIELD COORDINATE EXACT LOCATION OF BOTH REMOTE ANNUNCIATORS WITH OWNER.



2 E3.1 CABLE TRAY DETAIL
NOT TO SCALE

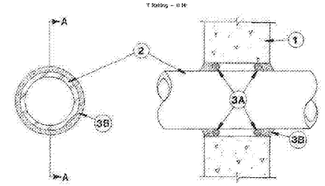


3 E3.1 J-HOOK DETAIL
NOT TO SCALE

System No. W-J-1014

March 01, 2000

F Rating – 2 Hr
T Rating – 0 Hr



1. **Wall Assembly** – Min 6 in. thick reinforced lightweight or normalweight (100-150 pcf) concrete. Wall may also be constructed of one of Standard Concrete Blocks*. Max diam of opening 6.5 in.

See Concrete Blocks (CAZT) category in Gen Yire Resistance Directory for names of manufacturers.

2. **Through-Penetrants** – One metallic pipe, conduit or tubing to be installed within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. A new smaller space of 1/4 in. is required within the firestop system. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe** – Nom 4 in. diam (or smaller) Schedule 5 (or lighter) steel pipe.

B. **Conduit** – Nom 4 in. diam (or smaller) steel electrical metallic tubing or rigid steel conduit.

3. **Firestop System** – The firestop system shall consist of the following:

A. **Packing Material** – (Optional) – Min 5/7 in. thick glass mineral wool batt mineral fiber insulation packed into the annulus as required to accommodate the required fill (see J ID firestop).

B. **Fill, Void or Cavity Material** – **Caulk** – Min 5/8 in. thickness of firestop sealant applied within the annulus, flush with both surfaces of wall. Additional material to be applied such that a min 3/8 in. crown is formed around the penetrating item.

3M NELSON FIRESTOP – Type CP 675 (Non-Sag) Caulk.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

4 E3.1 CONCRETE WALL PENETRATION DETAIL
NOT TO SCALE

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2018-113
JRM

NO	DESCRIPTION	DATE

PAULDING COLLEGE & CAREER ACADEMY
4555 DALLAS ACWORTH HWY
DALLAS, GA 30132
(FACILITY CODE 710-3052)

PAULDING COUNTY SCHOOL DISTRICT

FLOOR PLAN - SYSTEMS

DATE 08-08-2018
PROJECT NO. 17128

E3.1

PAULDING COUNTY - COLLEGE & CAREER