NOTES:

1. COMMUNICATIONS ENTRANCE FACILITY
2. INCOMING SERVICES:
   - TELEPHONE
   - CATV
   - DATA WAN
3. BACKBONE INFRASTRUCURE:
   - MULTIPAIR COPPER FOR VOICE (PAIR COUNT AS REQUIRED FOR EACH VOICE OUTLET PLUS 20% SPARE)
   - 12-STRAND MULTIMODE FIBER
   - 1/2" HARDLINE COAXIAL CABLE (CATV)
   - CLOCK/INTERCOM/PA FROM MDF TO IDF LOCATIONS. (NOT REQUIRED FROM DEMARCATION ROOM)
4. TYPICAL HORIZONTAL CABLING FROM EACH IDF/MDF TO DISTRIBUTED DEVICES

▽ DATA/UTP CAT6

▼ TELEPHONE/UTP CAT6

TV CATV/COAXIAL

C CLOCK

S SPEAKER

5. TELECOMMUNICATION ROOMS (TR) INCLUDING:
   - CABLE TRAYS
   - EQUIPMENT RACKS
   - PATCH PANELS
   - POWER STRIPS
   - GROUNDING AND BONDING
   - TELEPHONE PUNCH DOWN BLOCKS
   - PROVIDE QUANTITY OF DEVICES AS REQUIRED FOR COMPLETE SYSTEMS
6. TELECOMMUNICATIONS EQUIPMENT ROOM (TER) INCLUDING:
   - DATA NETWORK LAN/WAN ELECTRONICS
   - TELEPHONE SWITCH
   - CATV HEAD END
   - SECURITY SYSTEM CONTROL PANEL
   - CLOCK/INTERCOM/PA HEADEND

COMMUNICATIONS RISER DIAGRAM

SMMA
SYMMES MAINI & MCKEE ASSOCIATES

1000 Massachusetts Avenue
Cambridge, Massachusetts 02138
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OWNER REVIEW

NAME	DATE

NO.	DATE	DESCRIPTION
	12/17/09	SCHEMATIC DESIGN

ISSUE LOG

△ = CLOUDED CHANGE

NEW GRAFTON HIGH SCHOOL
28 PROVIDENCE ROAD
GRAFTON, MA 01536

COMMUNICATION RISER DIAGRAM

SCALE	N.T.S.
DRAWN BY	PLW
CHECKED BY	
PROJ. ARCH. / ENGR.	BN
PROJ. MGR.	DFBR
JOB NO.	09022

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