FIRE ALARM/SMOKE DETECTOR SYSTEM

GENERAL NOTES:

1. New "Smart" F.A./S.D. System is to replace existing "Dumb" F.A. System. Existing F.A. System consists of 1969 era Simplex F.A. control panel, annunciator, fire alarm drill station, pull stations, several heat detectors in Auditorium Backstage/ Storage Area and smoke detectors outside elevator lobby on both floors of building. Existing alarms are horn type only, with no strobe feature. Existing F.A. System wiring is installed in conduit that runs above suspended ceilings throughout building's corridor network.

2. Note that new "Smart" F.A./S.D. System wiring can also be run above suspended ceilings throughout building's corridor network and does not require conduit enclosure. No Corridor/Restroom ceiling areas serve as return air plenums.

3. At this time, only Corridors, Boiler Rooms, Elevator Lobbies, Gymnasium Balconies, Auditorium and Boys & Girls Restrooms that are open to the Corridors are to be served by the new F.A./S.D. System. Extension of the F.A./S.D. System to address S.A./R.A. ducts and storage/custodial rooms is planned for a future date.

4. New upgraded "Smart" F.A./S.D. System is being installed to address State Fire Marshal recommendations that a corridor smoke detector/alarm system be installed at Chesterton High School in lieu of atmospheric separation of the floors and the corridor areas.

5. All existing Manual Pull Stations, Heat Detectors, Smoke Detectors and Horn Alarms are to be removed and turned over to the Owner for use as "spares" at other schools within the district.

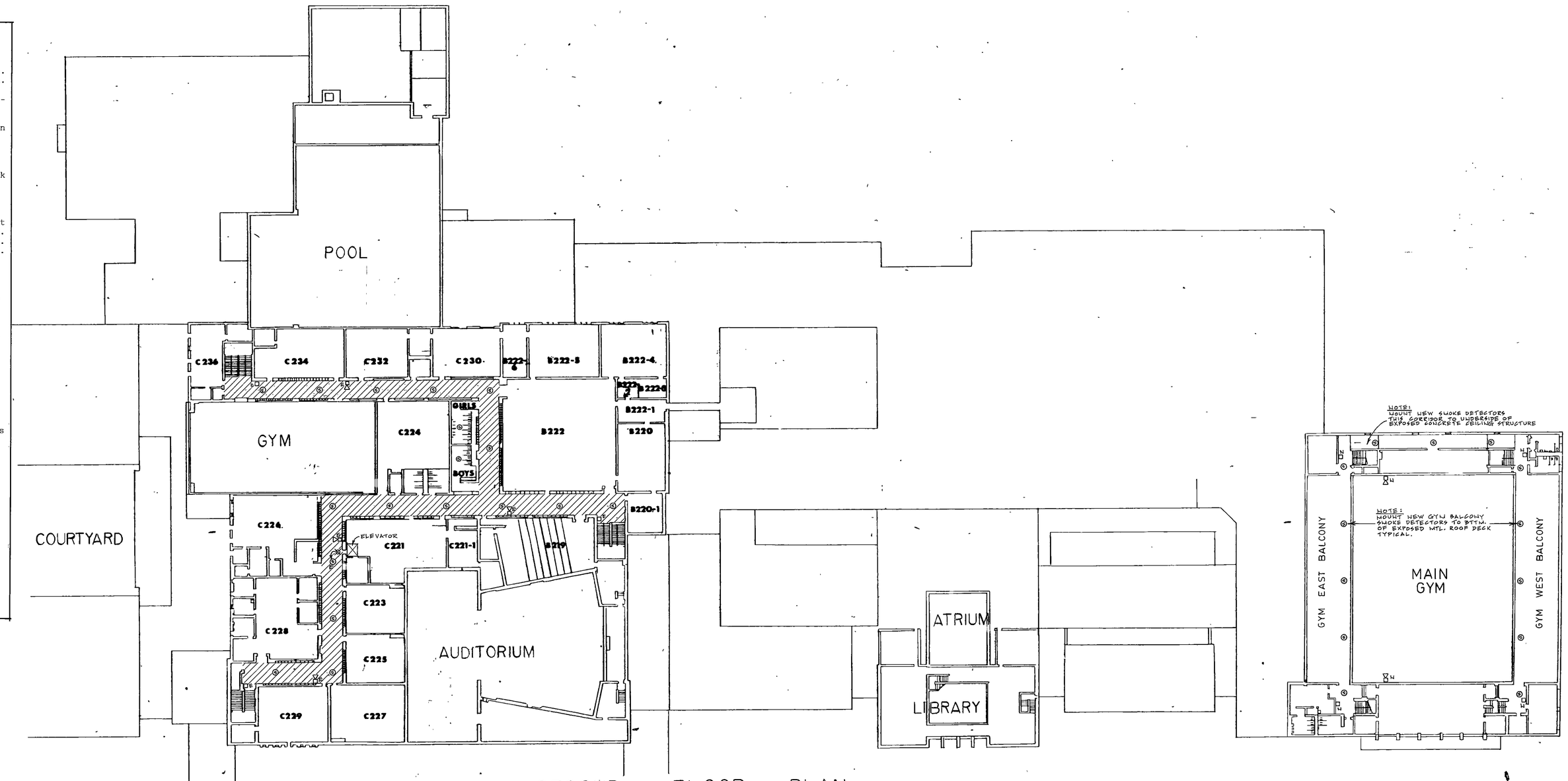
6. Manual Pull Stations shall be located within 15 feet of all Exits and all stairs at each floor level. Also, maximum spacing of stations shall not exceed 150 feet within any Corridor.

7. Wherever existing Pull Station, Horns, Heat Detectors or Smoke Detectors are scheduled to be replaced with new "Smart" devices reuse existing recessed or surface mounted back boxes where practical. Contractor may reuse existing conduit if so desired.

8. Smoke Detector shall be installed throughout Corridor System spaced at 30'-0" o.c. maximum, with detectors starting no further than 15'-0" from ends of corridors.

9. See Spec. Section 0130 "Proposal Forms" for Unit Cost prices requested for Pull Station Guards and Smoke Detector Guards.

10. Furnish and install tape-type automatic dialer with line seizure switch, capable of transmitting both alarm and trouble to the Chesterton Fire Department by direct dial. The local serving Fire Department is:
    Chesterton Fire Department
    Town Hall, 726 Broadway
    Chesterton, Indiana 46304
    Skip Highwood, Chief 926-7162



SECOND FLOOR PLAN

1" = 30'-0"

CEILING TYPE LEGEND

- INDICATES EXISTING SUSPENDED 1x1 STYLINE TILE TYPE CEILING (REMOVE / REPLACE EXIST'G. FLUOR. LIGHT FIXTURES FOR ACCESS)
- INDICATES EXISTING SUSPENDED DRYWALL / PLASTER TYPE CEILING (REMOVE/REPLACE EXIST'G. FLUOR. LIGHT FIXTURES FOR ACCESS)
- INDICATES EXISTING SUSPENDED 2x4 LAY-IN ACOUSTICAL TILE CEILING (EXCEPT WHERE NOTED OTHERWISE & MAIN GYM SOUTH CORRIDOR AND GYM EAST & WEST BALCONIES)

MANUAL PULL STATIONS:	37 REQ'D. (MIN.)
HEAT DETECTORS:	7 REQ'D. (MIN.)
SMOKE DETECTORS:	142 REQ'D. (MIN.)
HORN / STROBE ALARM:	33 REQ'D. (MIN.)

LEGEND

- N NEW MANUAL ALARM PULL STATION.
- E REPLACE EXIST'G. PULL STATION W/ NEW PULL STATION.
- E RELOCATE & REPLACE EXIST'G. PULL STATION W/ NEW PULL STATION.
- E EXIST'G. PULL STATION TO BE REMOVED AND WIRING / BOX CAPPED.
- NEW HEAT DETECTOR.
- E REPLACE EXIST'G. HEAT DETECTOR W/ NEW HEAT DETECTOR.
- NEW IONIZATION SMOKE DETECTOR.
- E REPLACE EXIST'G. SMOKE DETECTOR W/ NEW IONIZATION SMOKE DETECTOR.
- N NEW HORN / STROBE ALARM.
- E REPLACE EXIST'G. HORN W/ NEW HORN / STROBE ALARM.
- E RELOCATE & REPLACE EXIST'G. HORN W/ NEW HORN / STROBE ALARM.
- E EXIST'G. HORN TO BE REMOVED AND WIRING / BOX CAPPED.
- FCP N NEW FIRE ALARM CONTROL PANEL. (TO ALSO SERVE AS ANNUNCIATOR)

FIRE ALARM SYSTEM ALTERNATE BIDS

(SEE "ALTERNATES", SPEC. SECTION 1100)

FURNISH & INSTALL THE FOLLOWING:

FA-1: Ten (10 each surface mount type Pull Station Guards (at Pull Station locations to be designated by Architect).

FA-2: Ten (10) each flush mount type Pull Station Guards (at Pull Station locations to be designated by Architect).

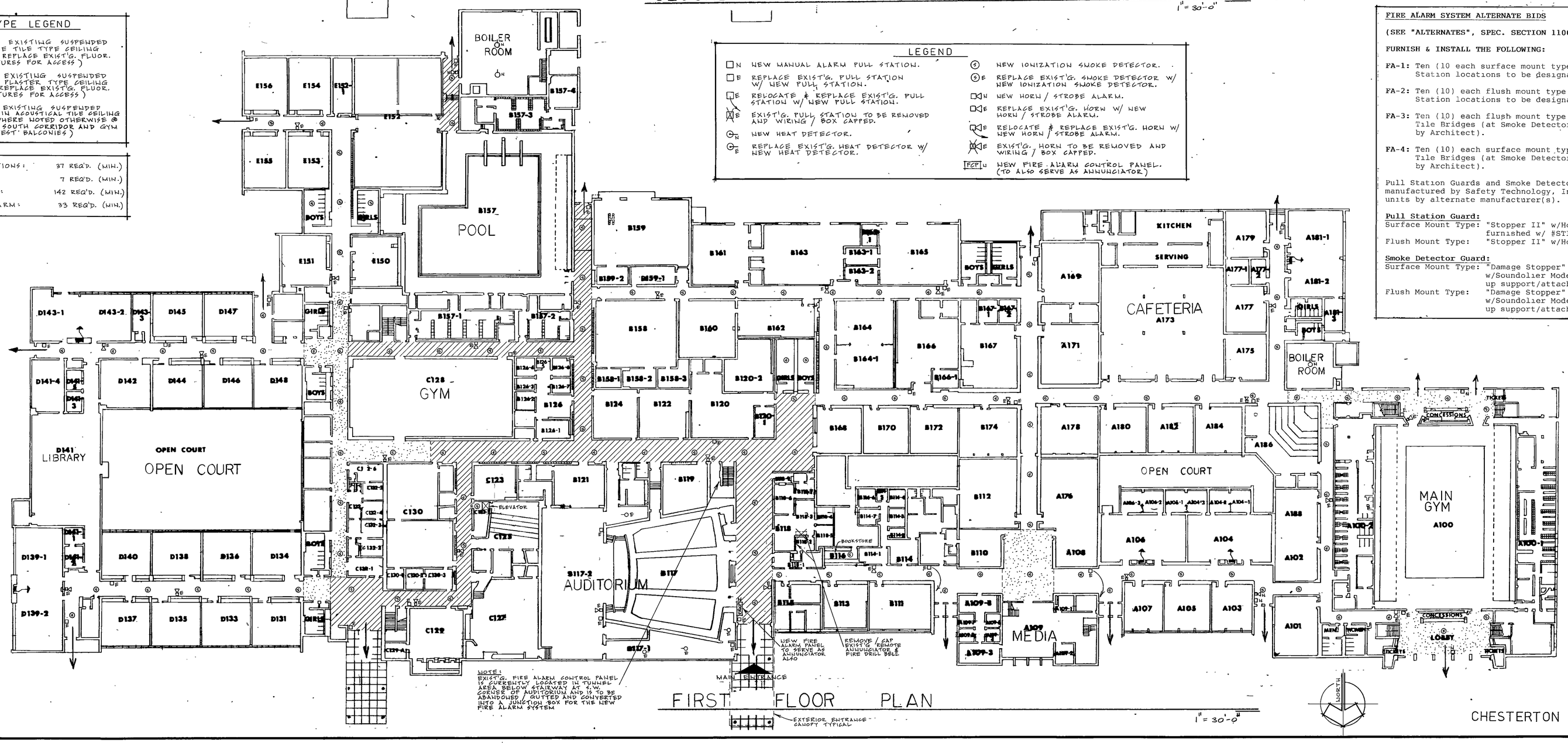
FA-3: Ten (10) each flush mount type Smoke Detector Guards with Tile Bridges (at Smoke Detector locations to be designated by Architect).

FA-4: Ten (10) each surface mount type Smoke Detector Guards with Tile Bridges (at Smoke Detector locations to be designated by Architect).

Pull Station Guards and Smoke Detector Guards to be devices manufactured by Safety Technology, Inc., (1-800-884-4781) or equal units by alternate manufacturer(s).

Pull Station Guard:
Surface Mount Type: "Stopper II" w/Horn, Model #STI-1130, furnished w/ #STI-3100 conduit spacer.
Flush Mount Type: "Stopper II" w/Horn, Model # STI-1100

Smoke Detector Guard:
Surface Mount Type: "Damage Stopper" Model #STI-8130, furnished w/Soundolier Model #81-4 Tile Bridge for back-up support/attachment.
Flush Mount Type: "Damage Stopper" Model #STI-8100, furnished w/Soundolier Model #81-4 Tile Bridge for Back-up support/attachment.



NOTE: EXIST'G. FIRE ALARM CONTROL PANEL LOCATED IN TUNNEL AREA BELOW STAIRWAY AT SW CORNER OF AUDITORIUM AND IS TO BE ABANDONED / GUTTED AND CONVERTED INTO A JUNCTION BOX FOR THE NEW FIRE ALARM SYSTEM

NEW FIRE ALARM PANEL TO SERVE AS ANNUNCIATOR ALSO

REMOVE / CAP EXIST'G. REMOTE ANNUNCIATOR & FIRE DRILL BELL

EXTERIOR ENTRANCE SIMILAR TYPICAL

FIRST FLOOR PLAN

1" = 30'-0"

CHESTERTON HIGH SCHOOL

REVISIONS	BY

FIRE ALARM SYSTEM PLAN & NOTES

SUMMER 1992 INTERIOR RENOVATION PROJECTS
DUNELAND SCHOOL CORPORATION
chesterton, indiana

gerometta & kinel architects, inc.
chesterton, indiana

DATE 3/17/92
SCALE 1" = 30'
DRAWN TLA
JOB 9201
SHEET **FA-1**
OF 13 SHEETS