

### GRP Mechanical Co. Inc. Surveying Process

We would like to thank the District's Administration, Staff, Faculty and Maintenance personnel for assisting GRP in developing this proposal. GRP audited and surveyed Pana K-12 facilities and interviewed the Administration, as well as the staff members, to develop comprehensive building solutions for the District. GRP's engineers and team members conducted on-site building reviews that involved interviewing your District's staff members, such as the Director of Facilities Jeff Stauder; as well as custodians and building occupants. The reviews also included documenting pertinent information, reviewing existing drawings, discussing current practices, and identifying facility improvement measures that the District would like to achieve for their short and long term planning of the District's facilities.

### District Project Objectives

Based on our conversations with the District, GRP understands the initial project objectives are as follows:

- Junior High Campus Option #1
  - Provide a divisional wall to separate the library media room from the future Stem/Ice Box area. This will include the wall construction necessary power and data along the wall, a door and window area built within the wall and a closet size to be determined. Flooring, painting, ceiling and lighting will be included as part of the over all upgrades to the building.
  - Provide a new athletic track to replace the existing track. The size and lanes will remain the same. Options are included in the proposal.
  - New 20-year roof to be installed with exception to the gym and the band area.
  - Provide product information for a temporary solution to a modified build up roof at the High School.
  
- Junior High Campus Option #2
  - Replace all interior doors. An option has been included to replace the frames knowing that will add costs for the patch work associated with the frames removal. There could be a way to reuse the existing frames and make compliant to the fire codes.
  - Replace all exterior lighting with new LED lighting.
  - Prep prime and paint all interior surfaces throughout the school with exception to the gym, café /kitchen, theatre, and locker rooms.
  - Renovate the 4 main bathrooms within the East education wing.
  - Remove and replace the theatre curtain.
  - Abate and replace all asbestos tile within the school. No flooring work in the gym, locker rooms, theatre and café/kitchen (previously completed).
  - Remove and replace the existing drop ceilings and lighting throughout the school. Replace with new drop ceiling and led lighting at those areas. The hard ceiling areas will be a retrofit and or surface replaced LED fixture.



## Technical Approach

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### Engineering

GRP is a Certified Engineering Company licensed in the State of Illinois. GRP employs engineers trained in the development and management of energy retrofit projects. Our engineers are licensed mechanical engineers in the State of Illinois. Our engineers handle energy savings calculations, system design modifications and replacements, and selection of contractors and equipment. GRP also consults outside engineering firms for assistance in specialty areas, when necessary. We are a certified company by the State of Illinois with the Capital Development Board (CDB).

### Subcontracting Process

When delivering projects, GRP makes every effort to find local qualified contractors with good track records in the areas we do not self-perform. We work with every customer to select contractors that satisfy GRP's requirements, as well as, meet the District's requirements. GRP is also willing to utilize District personnel to implement portions of the work scope to reduce the District's cost.

### Equipment Selection

Final equipment selection will begin after the final system design phase is completed and approved. Equipment quotes from qualified manufacturers are then solicited by GRP based upon these approved and finalized equipment specifications and requirements. GRP is not affiliated with any manufacturer or controls provider. This allows us to select the best equipment for the customer's present and future needs. We can provide any type of system you deem appropriate for your District's needs.

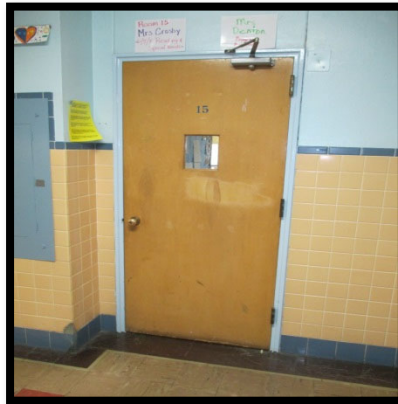
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Junior High Findings/Recommendations

Junior High Miscellaneous Findings and Recommendations

The following list of recommended scopes of work can be implemented over the summer to address items needed.

1. All interior corridor doors will be removed and replaced with new pre-finished fire rated doors, and intrusion resistant hardware. This replacement will include qualifying the existing frames to be fire-resistant by code authority.
2. An option will be included to replace the frames with fire resistant knock down frames. The patchwork associated with the removal and replacement is included and is extensive.



3. All exterior doors will be removed and replaced with new aluminum doors complete with the appropriate side-lights, hardware and reinstallation of existing security systems. Another option is to paint the exterior doors.



## Technical Approach

4. Exterior Lighting-Removal and replacement of existing light fixtures with new LED lighting.
5. Interior Painting-Prep, prime and paint all interior walls, ceramic tile, metal frames and misc. paintable surfaces except gym, kitchen, café, theater and locker rooms.
6. Bathrooms- 4 Main Classroom Corridor
  - a. Demo all existing fixtures, partitions and raised flooring.
  - b. Abatement as required.
  - c. Install new fixtures
  - d. Install new epoxy flooring.
  - e. Make restrooms ADA compliant, where needed.
  - f. All new fixtures complete with motion and low flow water saving devices.



7. Theater Curtains
  - a. Removal and replacement of existing curtains with new curtains and framework.
8. Abatement and Replacement of VCT Flooring
  - a. Remove all asbestos flooring & replace with new VCT & rubber base.
9. Remove existing ceilings and lighting fixtures. Replace with new drop ceilings and energy efficient lighting in area of older ceiling.

**10. Roofing**

- a. Removal and replacement of roofing and associated sheet metal. Provide twenty (20) year roof warranty.
- b. An option to include the music area roofing installed in 2009 is provided.



**11. Track Replacement**

- a. Removal and replace of the existing 6 lane track with a new 6 lane track. The replacement project includes milling existing and an overlay of 2" asphalt overlay and rubber matt system and an option for complete removal soil stabilization new base and top asphalt including the rubber matt system.
- b. The structural spray top surface, curbing, and drainage are also offered as options to the track project.
- c. The structural spray is the protection of the rubber matt system but can be applied as a separate project but recommended within 3 years of the rubber matt installation.
- d. Crown and Sod football field. The field will be reshaped and crowned. The proposal includes all drainage necessary to remove excess water from the field area. There is an option for the turf to be sod or seeded.





### 12. Ice Box Stem area

- a. Develop and area within the existing library to utilize as an stem or educational area. The space will be complete with a new separation wall finished and includes a new man door and a series of glass (a basic elevation has been included). The wall will have all of the necessary power to support electronic devises. We will also open up the book shelves that have been paneled over and have a closet to provide storage.

