



NORTHWEST ISD

Byron Nelson High School Athletic Field House



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PROJECT DATA

Size: 42,000 sf (new construction)

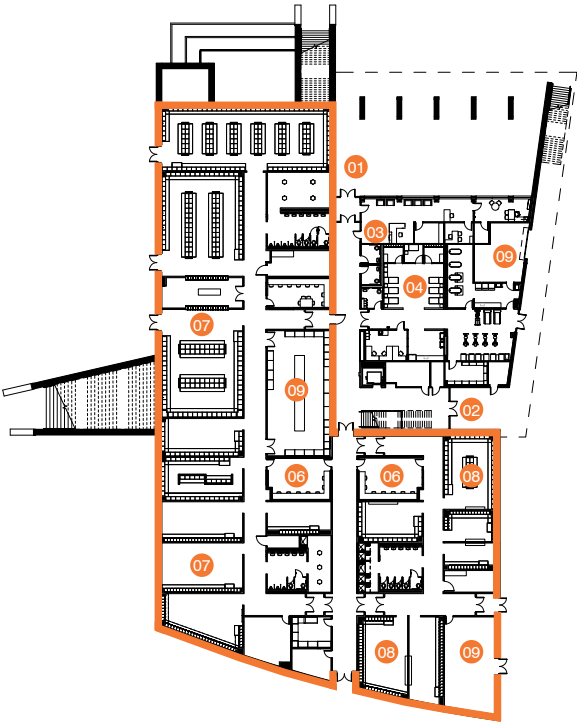
Grades: 9-12, Students: 3,200

Completion Date: 10.2019

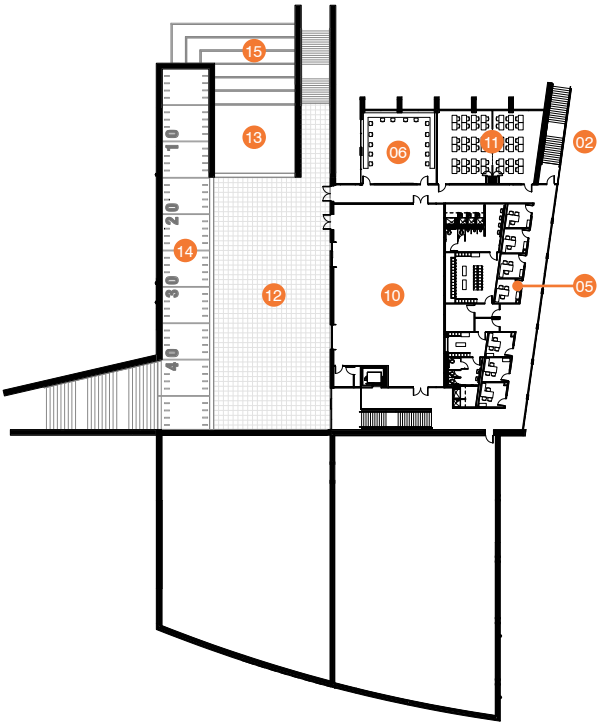
The new, 42,000sf Athletic Field House for Northwest ISD's Byron Nelson High School transcends traditional thinking while delivering an innovative and creative design solution that nurtures athletic performance, wellness and physical training.

Located to the southern part of the campus' 83 acres, the new fieldhouse will house the school's outdoor sports programs including Varsity, Junior Varsity and Freshman levels of Football, Baseball, Softball, Soccer, Track & Field and Cross Country sports.

The new field house will also house campus Athletic Administration, Coaches Offices, Locker Rooms, Weight Room, Training Room and two Team Rooms for film study and game planning strategy.



ground level floor plan



upper level floor plan

- 01 main entry
- 02 alternate entry
- 03 administration offices
- 04 training room
- 05 head coaches office
- 06 asst. coaches office
- 07 boy's team locker room
- 08 girl's team locker room
- 09 equipment storage room
- 10 weight room
- 11 team room
- 12 outdoor athletic terrace
- 13 plyometric area
- 14 sprint track area
- 15 box jump area
- storm shelter



THE DESIGN

The design and planning of the new athletic facility is fully integrated into the landscape reinforced by earth berms and sloping retaining walls giving a sense of lift and inclination to the architectural concept. Through the use of accessible ramps and various stairs, the building becomes an object in which athletes will be able to engage to supplement their personal athletic training.

Due to the structural and construction complexities of the storm shelter, occupants are allowed to occupy the top level of the shelter as an outdoor athletic terrace.

To energize and activate the upper level of the shelter, a multi-purpose Weight Room is located on level 02 and is equipped with large overhead garage doors allowing weight training and plyometric activities to extend outdoors onto the new athletic terrace.

Inclined and flat sprint areas are integrated into the architectural design as well as box jump steps and climbing stairs further giving functionality and purpose to the design.

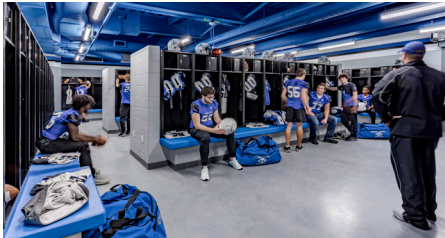
Team Rooms and Coaches Offices are perched under the sloping lid giving termination to the planning while also providing over-arching views to the campus and athletic play fields.



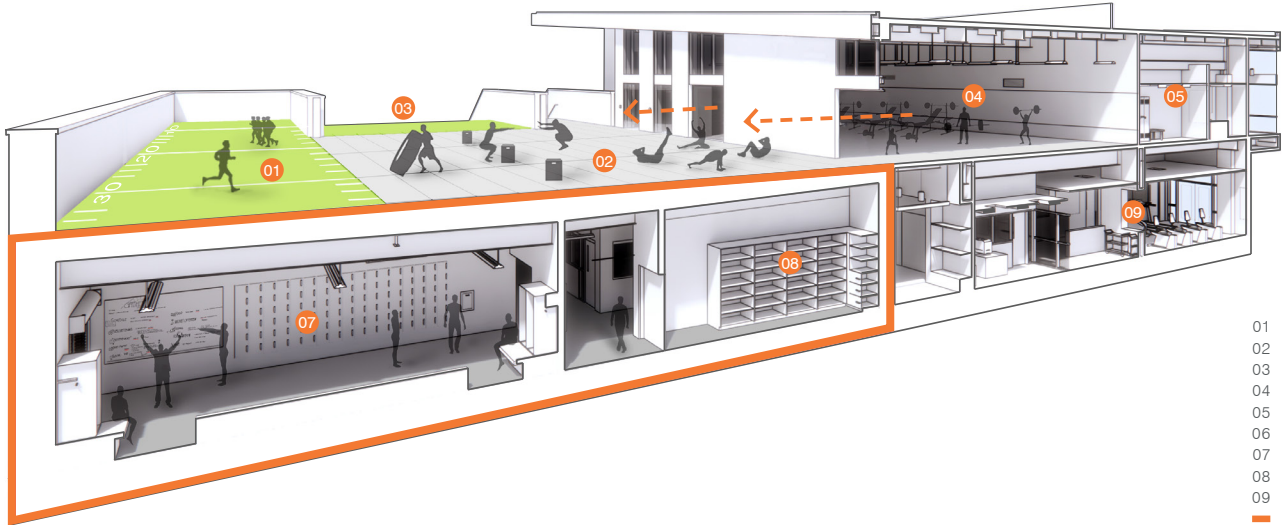
outdoor athletic terrace



weight room



athletic team locker room



- 01 sprint track area
- 02 outdoor athletic terrace
- 03 plyometric area
- 04 weight room
- 05 head coaches office
- 06 coaches corridor
- 07 athletic team locker room
- 08 equipment room
- 09 training room
- storm shelter

OWNER

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MEP: EMA Consulting Engineers
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