SCHEMATIC DESIGN PRESENTATION

Huckabee



MANSFIELD INDEPENDENT SCHOOL DISTRICT



Huckabee MULTI-PURPOSE ATHLECTIC CENTERS I MANSFIELD INDEPENDENT SCHOOL DISTRICT



TABLE OF CONTENTS



Superintendent

Administration

DI. JIIII VASZAUSKAS	Dr.	Jim	Vaszauskas
----------------------	-----	-----	------------

Mansfield ISD Board of Trustees

Raul Gonzalez	Board President
Karen Marcucci	Board Vice President
Courtney Lackey Wilson	Board Secretary
Michelle Newsom	Board Member
Beth Light	Board Member
Sandra Vatthauer	Board Member
Darrell Sneed	Board Member

Mansfield ISD Design Committee

Jeff Brogden	Associate Superintendent of Facilities and Bond Planning	MEPT Engineering	
David Wright	Assistant Superintendent of Student Services & Support	Rick Romine	Principa
Dr. Paul Cash	Executive Director of Facilities & Operations		
Philip O'Neal	Athletic Director	Structural Engineering	
Eric White	Assistant Director of Athletic Operations	Jim Arnold	Structur
Tammy Lunsinger	Assistant Director of Athletics		
Andy Starnes	District Athletic Trainer	Technology and Security	y
James Maberry	Mansfield High School	Allen Lawrence	Principa
Kenni Patton	Mansfield High School		
Channon Hall	Summit High School		
Dawn Mailloux-Smith	Summit High School		
James Brown	Timberview High School		
Kit Martin	Timberview High School		
Chris Melson	Legacy High School		
Michelle Morris	Legacy High School		
Kirk Thor	Lake Ridge High School		
Stephani Gray	Lake Ridge High School		
Bruce Morris	MISD Senior Project Manager		
Garry Walker	MISD Project Manager		

Design Team

Joshua Brown, AIA

Paul Thompson, AIA

Dina Otrok, NCIDQ

Mike King, AIA

Edgar Torres

Alyssa Parker

Joshua Cogburn

Casey Casstevens, AIA

Principa
Associa
Design
Interior
Planner
Project

Civil Engineering

Ted Murday

bal, Huckabee iate Principal, Huckabee her, Huckabee ⁻ Designer, Huckabee er, Huckabee Leader, Huckabee Delivery Team, Huckabee Delivery Team, Huckabee

Adams Engineering

al, Romine, Romine and Burgess

ıral Engineer, Huckabee

al, Crux Technology and Security



MANSFIELD INDEPENDENT SCHOOL DISTRICT MULTI-PURPOSE ATHLETIC CENTERS

DESIGN

Overview:

The new Multi-Purpose Athletic Centers will be located at each high school on an existing practice field. The project will be divided into two phases with Phase 1 consisting of a two-story field house. Within the field house the first floor consisting of Conference Rooms, a Sports Medicine Center, Weight Room and circulation/support spaces will be completed as part of Phase 1. The second floor will remain as shell space for future finish out during Phase 2.

Design Process:

Mansfield ISD formed a design committee comprised of administrators, superintendents, directors, and coaches from each high school. To date we have had five design-focused meetings with the members of the design committee to understand the purpose, needs, and spaces desired for this new athletic facility.

The first meeting was to discuss the program of spaces and how Huckabee used previous MAC facilities as a guide during its development. The MISD design committee had previously met and developed a floor plan to assist Huckabee in understanding preferred room adjacencies. The second meeting was focused on discussing site locations and a conceptual design charrette took place for the floor plan. Two options were presented for the design committee to review. Portions of each option were selected by the design committee. At the third meeting Huckabee presented revised floor plans incorporating the options selected in the previous meeting. A conceptual sketch was presented as well as the exterior design. Our final meeting was to review updates MISD requested Huckabee make to the plans and to give an overview update on budget, city meetings, and the process going forward. After receiving cost estimates from the construction managers, a fifth meeting was held to review those estimates and make decisions in order to bring the projects in budget. Ultimately the portions of the project to be completed during Phase 1 will serve the most number of MISD students.

The ability for this large committee to collectively work together through the design process to develop a prototypical floor plan to be used at each high school is what will make this a successful and more functional project for Mansfield

ISD. The next steps will be to refine the plans, elevations, finishes, and material selections with continued input and direction by the members of the Mansfield ISD design committee.

Site Design:

With all high school campus receiving a MAC facility, each site posed a different set of opportunities and challenges. Placing the new buildings on an existing practice field was the obvious starting point. These studies were then individualized for each campus to include correct orientation, fire access, and student athlete access from the rest of the campus.

Building Design:

As previously stated, these facilities are to be built by phase, but were master planned for the overall desired building layout and design in mind. From an exterior aesthetic standpoint, all MACs will have a similar design and materials making these a standard across the district. Using a combination of brick, glass and insulated metal panel with stucco finish, each facility will use the correlating existing high school's brick color palette to relate as part of the campus.

CIVIL

Overview:

These Multi-Purpose Athletic Complexes will be constructed on the existing practice fields of their respective high schools. We understand that the City of Mansfield has jurisdiction over the Lake Ridge, Mansfield, and Legacy Schools, while the City of Arlington has jurisdiction over the proposed work at Summit and Timberview. The proposed building locations would allow fire lane to serve a portion of the existing building perimeter. Ongoing discussions with the jurisdictional authorities will determine how much additional fire lane, if any, will be required.

Grading and Drainage:

Finished floor elevations will be chosen to provide good pedestrian access to the building, while striving to minimize the earthwork cost impacts. Efforts to time.

Utilities:

In most cases, utilities will need to be extended several hundred feet or less to the proposed building locations. We do not anticipate the need for any long utility extensions or pumps in order to serve the new buildings. This will be further evaluated once the final locations have been determined.

Site Pavement:

The proposed pavement material for any new fire lanes will be reinforced concrete. Pavement sections will be based on recommendations set forth in the geotechnical reports for each location. At this time, we do not anticipate adding any new parking lot or vehicular areas to serve these new buildings. It is likely that new fire lane paving will be required, however.

Landscape:

Proposed landscape materials will be arranged and specified to meet the requirements of the governing city. Any additional landscape will be selected to enhance and support the environment of the facility. Unless otherwise dictated by the jurisdictional authority, every effort will be made to blend the preferences of the District and conform to the latest Technical Specifications. All disturbed areas will be established with a stand of turf using a combination of seed or sod as warranted.

requirements.

match the grades at proposed door locations or minimize impacts to adjacent practice fields could result in significant earthwork requirements, however. To achieve this, retaining walls will be required for some locations.

Roof drainage will be collected in a new underground perimeter system and connected to the nearest pond or storm system with adequate capacity. We are not anticipating the need for any additional stormwater detention facilities at this

The new irrigation elements will be designed in accordance with the District Technical Specifications, the Texas Commission on Environmental Quality, and city





STRUCTURAL

Descriptive Specifications:

Foundation System:

The foundation system will likely consist of structurally suspended slab over void boxes with straight drilled shaft piers and grade beams over void boxes. This information is based on the foundation type for the existing building's and all available geotechnical data.

Framing System:

The building is comprised of a pre-engineered metal building. The steel moment frames and pre-engineered metal building frames will serve as the lateral force resisting system for the building. The pre-engineered metal building walls will have CMU backup at a portion of the perimeter and metal building girts at the remainder.

Second Floor Framing:

The second floor framing consists of 5" of normal weight concrete on 2" composite steel deck. The second floor slab will be supported by steel beams designed to act compositely with the concrete slab.

Roof Framing Systems:

The roof framing consists of metal building purlins supported by preengineered metal building frames. The standing seam roof deck is supported by the metal building purlins. Bracing rods between purlins will serve as part of the lateral support system.

Design Basis:

Concrete:

 $f_{C} = 3.0$ ksi at 28-days

Huckabee

Structural Steel:

W and WT Shapes:	ASTM A992		Fy = 50 ksi.
M, S, C, MC:	ASTM A36		Fy = 36 ksi.
Square and Rectangular HS	SS: ASTM A 500	Gr. B	Fy = 46 ksi.

Angles and Plates:	ASTM A 36		Fy = 36 ksi.
Structural Fasteners:	ASTM A 325	Bolts	Fu = 120 ksi.
Anchor Bolts:	ASTM F1554	Gr. 55	Fu = 75 ksi.
Welding Electrodes:	E70XX		Fu = 70 ksi.

Concrete Masonry:

f`m = 1,500 psi with Type S mortar and 2,000 psi grout

Lateral Stability:

Wind and Seismic analysis are performed in accordance with the design codes listed above. The lateral force resisting design shall be based on the controlling load. Seismic resisting systems and special requirements as prescribed in IBC, ASCE 7, and AISC have been taken into account. Lateral loads are transferred from the roof and second floor diaphragms to the foundation by use of moment frames and pre-engineered metal building frames.

Design Analysis:

Codes and Standards:

The following codes and standards will be used for the structural design of the project:

- International Code Council, International Building Code (IBC) 2009 (Arlington) /2006 (Mansfield)
- American Society of Civil Engineers. ASCE 7-5, Minimum Design Loads for Buildings and Other Structures
- American Concrete Institute. ACI 318-08, Building Code and
- Commentary for Structural Concrete
- American Concrete Institute. ACI 530-08, Building Code Requirements and Specification for Masonry Structures
- American Institute of Steel Construction. Steel Construction Manual. 13th Edition
- American Iron and Steel Institute. AISI Specification for the Design of Cold-Formed Steel Structural Members, 2007
- Steel Deck Institute. Diaphragm Design Manual, 3rd Edition

MECHANICAL/ELECTRICAL/PLUMBING

All design considerations will be in compliance with the City of Arlington / Mansfield Code requirements, and applicable versions of the International Mechanical, Plumbing and Energy Conservation Codes; and the National Electrical Code, as well as the MISD Technical Guidelines.

HVAC Systems:

occupant comfort. building exhaust systems.

"Enviromatics".

- Steel Deck Institute. Design Manual for Composite Decks, Form Decks, and Roof Decks; Publication 31

* The edition of the standard will be the edition referenced in the noted edition of the International Building Code.

The proposed air conditioning system will be split system a/c units with gas heating. Interior furnace/coil units will be located in a mechanical mezzanine located over the second floor of each facility, and outdoor AC condensing units mounted on a flat section of roof with proper screening. Systems shall generally have individual temperature controls for each room or zone. Areas that have several rooms served by a single unit will be zoned so that rooms with similar exposures are controlled by the same thermostat, leading to a reasonable level of

A/C units shall be high efficiency, and include two-stage cooling and twospeed fan control, as manufactured by "Lennox" or "Trane". Units 5 tons and greater will each include economizer ventilation control as required under the IECC. CO2 control will not be included due to need for maintained ventilation for

Exhaust systems shall be provided for restrooms, janitor rooms, electric rooms, etc., served by roof-mounted exhaust fans.

All HVAC equipment, recirculated domestic hot water, and exterior lighting systems, shall be controlled by a building DDC energy management system, to be tied to district EMS. New DDC system shall be "Reliable Controls" provided by





Plumbing Systems:

Sanitary Wast and Vent:

Sanitary waste & vent systems shall be provided throughout the new building. Material for the sanitary waste & vent systems shall be Schedule 40 PVC both above and below the finished floor. Piping shall be extended to the outside side of the building with proper slope & terminated by the civil discipline.

Domestic Cold Water System:

The new domestic cold water system shall enter the building at the dedicated riser room to above finished floor with "RPZ" backflow preventer and anti-flood valve. All domestic cold water piping shall be Type "L" hard drawn copper above the floor and Type "L" soft drawn copper below the floor with "no joints below grade".

Domestic Hot Water & Tempered Hot Water System:

Domestic hot water generation and tempered hot water (110o) with mixing valves shall be provided to all Hot/Cold fixtures. Water heaters shall be highefficiency gas tank type sized to provide proper capacity. Piping for the domestic hot water and tempered hot water systems shall be the same as for domestic cold water.

Natural Gas System:

The new natural gas systems shall be 5 psig and rise up to above grade outside the building with main isolation valve and extend up alongside building exposed and onto roof. 5 psig gas system shall extend across roof to "zone" lbsto-ozs gas pressure regulators which will serve water heaters, kitchen equipment, etc. Natural gas piping above grade shall be Schedule 40 black steel with welded fittings for 2-1/2" piping and larger, and standard weight black malleable iron screw fittings for piping under 2-1/2". Natural gas piping below ground shall be compression type for 1-1/2" and smaller, heat-fused socket type for 2" and larger.

Automatic Fire Protection System:

The new building areas only shall be provided with a fully automatic wet pipe sprinkler system and related fire protection equipment and detection devices per the National Fire Protection Association and the City of Arlington / Mansfield

ELECTRICAL SYSTEMS:

- The facility will be fed from an existing campus pad mounted transformer. The electrical service will be 277/480V 3 Phase.
- All spaces will be equipped with standard power devices with G.F.C.I. protection where required.
- Switchgear shall be sized to support future addition.
- Surge protection and power factor correction equipment will be provided.

LIGHTING SYSTEMS:

- All interior and exterior lighting will be LED type, for improved energy and maintenance savings.
- New exterior lighting will tie into existing campus lighting controls.
- Interior lighting controls will feature occupancy sensors, dimming, zone switching and daylight harvesting for user-friendly functionality and as required by energy code.

FIRE ALARM SYSTEM:

New fire alarm system will tie into existing campus fire alarm system.

TECHNOLOGY

PROJECT SCOPE OF WORK:

The scope of work for this project includes the construction of a brand new Multipurpose Activity Center or MAC at multiple HS campus locations. The scope will include:

A. Design of communications infrastructure - premise distribution system (PDS). B. Audio/visual systems for conference rooms, common spaces, weight room, and practice field (A/V).

surveillance.

DEFINITIONS

ACS:	Access
BAS:	Building
BMS:	Building
CFR:	Code of
CMS:	Content
IP:	Internet
LAN:	Local Ar
LEO:	Law Enf
MATV:	Master /
MER:	Main Eq
OSI:	Open S
PoE:	Power c
PDS:	Premise
SFP:	Small Fo
TDDM:	BICSI Te
TR:	Telecom
TSOC:	Transpo
WAN:	Wide Ar
WAO:	Work Ar
VLAN:	Virtual L
VOIP:	Voice O
VSS:	Video S

C. Design basic physical security systems to include card access, video

D. Design local sound system for weight room and practice field.

E. Extend existing intercom system from main campus.

The systems design and specifications will be based on Owner guidelines and input, industry standards and best practices. All LAN/WAN and WI-FI equipment and hardware shall be owner furnished / owner installed.

(All work has been moved to Phase 1 for complete build-out of the first floor. Phase 2 is defined as the second floor and the entire second floor is shell space)

Control System

- Automation System
- Management System
- Federal Regulations
- Management System
- Protocol
- rea Network
- forcement Officer
- Antenna Television
- uipment Room
- vstems Interconnection model
- over Ethernet
- Distribution System
- orm-Factor Pluggable (SFP) Gigabit Interface Converter
- elecommunications Distribution Methods Manual, Twelfth Edition

NARRATIVE -

- nmunications Room
- ortation Security Operations Center
- rea Network
- rea Outlet
- _ocal Area Network
- over IP
- Surveillance System



EXECUTIVE SUMMARY

Access Control System (ACS)

Extend the existing access control system to the new MAC.

Doors will be added to the ACS based on the phase of their construction.

Video Surveillance System (VSS)

Extend the existing campus ONSSI VSS to support the cameras added by MISD PD.

Cameras will be added to the VSS based on the phase of construction.

Intrusion Detection System

There is no scope for intrusion detection in Mansfield facilities.

Premise Distribution System (PDS)

A new Premise Distribution System will provide equipment rooms, service demarcations, and distribution cabling for all building technology systems. The PDS installation will include horizontal and backbone cabling to support owner furnished LAN/WAN equipment. The Owner will maintain the PDS and all building and security system networks and electronics located in restricted telecommunications room areas.

Phase 1 – OSP fiber from main campus, PDS for office and conference areas, fiber backbone between IDF rooms. PDS will be designed for Wi-Fi and surveillance cameras.

Phase 2 – finish PDS design for all other areas to support surveillance, Wi-Fi or other fixed IT locations.

Audio-Video System (AV)

AV systems will be provided throughout the building and shall consist of digital signage and small projection or display systems (conference rooms).

Phase 1 – AV design for the weight room and conference room.

Phase 2 – AV design for remaining build out areas.

Local Sound System

Huckabee

Phase 1 - Local sound systems will be provided in the double-volume Weight Room, Large Conference Room.

Phase 2 - Second Floor – shell space.

Intercom System

The main campus intercom system shall be extended to the new MAC and shall provide the same communication services as the main campus.

Phase 1 - Intercom headend and speakers will be added in new construction areas only. All shell space locations will be omitted.

Phase 2 - the remaining intercom speakers will be added at a later time as part of a separate project.

PROJECT BASIS OF DESIGN

ACCESS CONTROL SYSTEM (ACS)

Governing Standards

- 2009 International Building Codes and International Fire Codes with 2009 CITY amendments.
- National Electric Code (NEC) Current Version
- 2010 National Fire Alarm and Signaling National Fire Protection Association (NFPA) 72

Basis of Design

All exterior doors shall receive access control hardware consisting of card readers and door monitoring per the Owner's current standards.

The existing system uses S2 software.

- 1. ACS System
 - All items required for this project shall be new а. i. MISD had an existing server containing the ACS system. ii. Verify credentials are needed.
 - b. ACS requirements:
 - Must integrate with the current system at the main campus.
- 2. Door Locking Hardware:
 - Coordinate with the hardware consultant throughout the design а process.

VIDEO SURVEILLANCE SYSTEM (VSS)

Governing Standards

Basis of Design

1) All new cameras will be Bosch and contain a mix of fixed and PTZ cameras.

SECURITY INTERCOM SYSTEM

Governing Standards

Basis of Design

The Intercom system is used for two-way remote communication between guests at an entry point and

A. Currently not required.

MULTI-PURPOSE ATHLECTIC CENTERS I MANSFIELD INDEPENDENT SCHOOL DISTRICT

MISD Technical Guidelines

Cameras shall be installed in the building interior and exterior in coordination with the Owner's requirements;

2) Current VMS is ONSSI.

A) Interior

i) All exit doors located off corridors or public areas

ii) Weight room

B) Exterior

i) Locations specified by MISD PD.

ii) Exterior workout areas.

3) Video retention will be 30 days as required by the Owner.

4) Storage by owner.

5) Follow MISD performance specifications for camera frame rates and storage retention.

National Electric Code (NEC) – Current Version

staff at the front office. Also known as door monitoring station.



MANSFIELD INDEPENDENT SCHOOL DISTRICT **MISD**MULTI-PURPOSE ATHLETIC CENTERS

PREMISE DISTRIBUTION SYSTEM (PDS)

Governing Standards

- ANSI/TIA Standard 569-A Commercial Building Standard for • Telecommunications Pathways and Spaces
- ANSI/TIA 568-C Generic Telecommunications Cabling for **Customer Premises**
- National Electric Code (NEC)
- BICSI Telecommunications Distribution Methods Manual, 12th Edition
- TIA/-606-A Administration Standard for Commercial Telecommunications Infrastructure
- ANSI/TIA-607 (CSA T527) Grounding and Bonding Requirements for Telecommunications in Commercial Buildings

Basis of Design

Huckabee

A new Premise Distribution System will provide equipment rooms, service demarcations, and distribution cabling for all building technology systems. Secure telecommunications rooms will house Production and Security network electronics. The Owner will maintain the PDS and all Production networks and electronics located in secure telecommunications room areas. Backbone cabling run from the Main Campus will support the MAC.

Α. The PDS will consist of an Intermediate Distribution Frame (IDF), a telecommunications grounding subsystem, a copper and fiber optic backbone cabling subsystem and a horizontal cabling subsystem. The PDS will be owned and maintained by the Owner.

The OSP fiber optic backbone cabling from the MAC IDF to the Β. HS campus MDF will consist of 12 strands of 9/125 µm singlemode optical fiber. Singlemode fiber will allow for Ethernet to reach distances of up to 10 km. It can also be used for other applications, such as DAS, MATV and telecommunications systems.

C. Fiber cabling will be terminated on both ends with duplex LC connectors. Fiber jumpers will be used to adapt to differing fiber

connector types between the PDS and the customer provided equipment (CPE).

D. The copper backbone cabling will consist of multi-pair 24 AWG copper feeder cables for any analog security intercom stations, analog/TDM telephone service and other special circuits. The cables will be terminated in the TRs on rack mounted 110 style termination blocks. Cable pairs in the TRs will be patch to horizontal cables using 110 to RJ-45 patch cords.

Ε. Fiber backbone between the IDF rooms will consist of six (6) strands of OM4 50/125MM fiber capable of supporting 10Gbps transmission

F. The horizontal cabling will be Category 6a rated, consisting of 4-pair 23 AWG horizontal cables, terminated with RJ-45 jacks at the work area outlets and RJ-45 patch panels in the IDF's.

G. The PDS is expected to support the following users and systems, in some form or fashion:

- BMS/BAS
 - o HVAC control
 - o Electrical substation electric meters
 - o Lighting Control
- Access Control System (ACS) (Panel communication only)
- Video Surveillance System (VSS)
- Public and private Wi-Fi
- CLIENT workstations, servers and VoIP telephones
- Each IDF will include the following items: Η.
 - Plywood backboards (Fire Rated)
 - Telecommunications Grounding Busbar
 - 2-post racks, with vertical wire management
 - Overhead ladder system for the cable pathway within the room
 - Power for the racks and convenience outlets on each wall
 - Cable termination and patching hardware
 - A telephone on the wall within the room (TBD by owner)

Governing Standards

- Infrastructure

The existing main campus intercom system shall be extended from the Main Campus to the MAC facility.

NETWORK ELECTRONICS

Governing Standards

Radiators

budget.

Governing Standards

- Campus to the MAC

MULTI-PURPOSE ATHLECTIC CENTERS I MANSFIELD INDEPENDENT SCHOOL DISTRICT

BUILDING AV AND LOCAL SOUND SYSTEM

National Electric Code (NEC)

BICSI – Telecommunications Distribution Methods Manual, 12th Edition

TIA-606-A – Administration Standard for Commercial Telecommunications

IEEE 802 – Standard for Local and Metropolitan Area Networks

RFC 1157 – A Simple Network Management Protocol (SNMP)

Title 47 CFR Part 15, Subpart B – Radio Frequency Devices, Unintentional

Network electronics and active gear such as switches, routers, UPS, WAP's,

phones shall be Owner furnished and Owner installed from a separate FF&E

BUILDING INTERCOM / CLOCK / BELL SYSTEM

National Electric Code (NEC) – Current Version

BICSI – Telecommunications Distribution Methods Manual, 12th Edition

TIA-606-A – Administration Standard for Commercial Telecommunications Infrastructure

The existing intercom, clock, and bell system shall be extended from the Main



M.A.C. at each of the five High Schools - PHASE 1					
	# of spaces	Area per space (S.F.)	Net Area (S.F.)	Location and/or Adjacencies	Remarks
РН			Footbal		
2 Varsity Football Locker Room	1	2,022	2,022	Phase 2 Finish - Shell Space @ Phase 1	85 lockers, 30"x30"x72" single tier
2 Varsity Restroom/Showers	1	523	523	Phase 2 Finish - Shell Space @ Phase 1	
2 Varsity Storage	1	362	362	Phase 2 Finish - Shell Space @ Phase 1	
2 JV Football Locker Room	1	1,067	1,067	Phase 2 Finish - Shell Space @ Phase 1	100 lockers, 18"x18"x36" double tier
2 JV Restroom/Showers	1	464	464	Phase 2 Finish - Shell Space @ Phase 1	
2 JV Storage	1	169	169	Phase 2 Finish - Shell Space @ Phase 1	
2 Freshman Football Locker Room	1	1,097	1,097	Phase 2 Finish - Shell Space @ Phase 1	100 lockers, 18"x18"x36" double tier
2 Freshman Restroom/Showers	1	444	444	Phase 2 Finish - Shell Space @ Phase 1	
2 Laundry Sorting - 2nd Floor	1	445	445	Phase 2 Finish - Shell Space @ Phase 1	
2 Head Coach Office	1	433	433	Phase 2 Finish - Shell Space @ Phase 1	
2 Head Coach Tlt./Shower	1	108	108	Phase 2 Finish - Shell Space @ Phase 1	
2 Staff Conference Room	1	397	397	Phase 2 Finish - Shell Space @ Phase 1	
2 Def. Coordinator Office	1	155	155	Phase 2 Finish - Shell Space @ Phase 1	
2 Off. Coordinator Office	1	148	148	Phase 2 Finish - Shell Space @ Phase 1	
2 FB Coaches Office/Restroom/Shower	1	979	979	Phase 2 Finish - Shell Space @ Phase 1	for 15 Coaches
		Cor	nmon Spa	ices	
1 Large Conference Room	1	1,906	1,906	Phase One	
1 Large Conference Storage	1	246	246	Phase One	
1 Small Conference Rooms	2	338	676	Phase One	
1 Small Conference Storage	1	163	163	Phase One	
1 Weight Room - Inc. off. & storage	1	5,932	5,932	Phase One	
1 Sports Medicine Center	1	3,170	3,170	Phase One	includes office, wet area, check-in, storage, and built-in cabinets w/ sink & ref/ice maker
1 Laundry Room - 1st Floor	1	255	255	Phase One	2 Washers and 2 Dryers (com./ lg. cap.)
		Restroc	oms and C	ustodial	
1 Custodial Closet - 1st Floor	1	109	109	Phase One	1st Floor
2 Custodial Closet - 2nd Floor	1	68	68	Phase 2 Finish - Shell Space @ Phase 1	2nd Floor
2 Single User Restrooms - 2nd Floor	2	65	130	Phase 2 Finish - Shell Space @ Phase 1	2nd Floor
1 Boys Restroom & Lockers - 1st Floor	1	428	428	Phase One	1st Floor
1 Girls Restroom & Lockers 1st Floor	1	458	458	Phase One	1st Floor
			MEP		
1 Main Electrical	1	163	163	Phase One	1st Floor
2 Electrical	2	85	170	Phase 2 Finish - Shell Snace @ Phase 1	2nd Floor
1 Ext Mechanical	1	73	73	Phase One	1st Floor
2 Mechanical	1	90	90	Phase 2 Einish - Shell Snace @ Phase 1	2nd Floor
1 Riser Room	1	62	62	Phase One	1st Floor
	· ·		Tochnolog	N	
			echnolog	y	
1 MDF	1	101	101	Phase One	1st Floor
2 IDF	1	86	86	Phase 2 Finish - Shell Space @ Phase 1	2nd Floor
			<u>Circulatio</u>	n	
1 Structure, stairs, elevator, and corridors	1	8,987	8,987	Phase One	1st and 2nd Floors
1 Porch	1	2,484	2,484	Phase One	Exterior covered walkway - 1st Floor
TOTAL GROSS AREA (s.f.) - Phase 1			34,570		





Huckabee MULTI-PURPOSE ATHLECTIC CENTERS I MANSFIELD INDEPENDENT SCHOOL DISTRICT

CONCEPTUAL DESIGN





Huckabee MULTI-PURPOSE ATHLECTIC CENTERS | MANSFIELD INDEPENDENT SCHOOL DISTRICT



SITE PLAN - MANSFIELD HIGH SCHOOL - 5.1







and the second

NUERCHON

NEW MULTI-PURPOSE

ATHLETIC CENTER -

Huckabee MULTI-PURPOSE ATHLECTIC CENTERS I MANSFIELD INDEPENDENT SCHOOL DISTRICT

SITE PLAN - SUMMIT HIGH SCHOOL - 5.2









SITE PLAN - TIMBERVIEW HIGH SCHOOL - 5.3











SITE PLAN - LEGACY HIGH SCHOOL - 5.4







SITE PLAN - LAKE RIDGE HIGH SCHOOL - 5.5







COLOR LEOLIND
Athletic Support
Locker Rooms
Circulation
Toilets/Support Spaces
Potential Future Expansion













Huckabee MULTI-PURPOSE ATHLECTIC CENTERS I MANSFIELD INDEPENDENT SCHOOL DISTRICT





EXTERIOR PERSPECTIVE - MANSFIELD HIGH SCHOOL - 8.1



EXTERIOR PERSPECTIVE - SUMMIT HIGH SCHOOL - 8.2



EXTERIOR PERSPECTIVE - TIMBERVIEW HIGH SCHOOL - 8.3



EXTERIOR PERSPECTIVE - LEGACY HIGH SCHOOL - 8.4



EXTERIOR PERSPECTIVE - LAKE RIDGE HIGH SCHOOL - 8.5



EXTERIOR PERSPECTIVE - 8.6



Move-in Complete 08/14/19



MORE THAN ARCHITECTS