

DRAWING: C:\Users\lvent\OneDrive\Documents\ELA_Group\AZ202-015 McCaskey Stadium Renovations\Project Files\CAD Data\Land Development\Grading.dwg - PLOTTED: Nov 14, 2024 3:08 pm

NOTES:
1. NO EQUIPMENT STORAGE, MATERIAL STOCKPILING, OR VIBRATORY ROLLING/COMPACTION WITHIN THE CITY'S SEWER EASEMENT(S).
2. NO INFILTRATION FACILITIES WITHIN THE CITY'S SEWER EASEMENT.

355

355

PROPOSED CONTOUR

EXISTING CONTOUR

HEADWALL

MANHOLE

INLET

ENDWALL

PIPE

HEADWALL

MANHOLE

INLET

ENDWALL

PIPE

Utility Pole

OH

Electric Water

UT

Manhole

Transformer

Gas Valve

Gas

Sanitary Sewer

Water Meter

Utility Pole

OH

Electric Water

UT

Manhole

Transformer

Gas Valve

Gas

Sanitary Sewer

Water Meter

354.05

352.50

5%

EXISTING SPOT GRADE

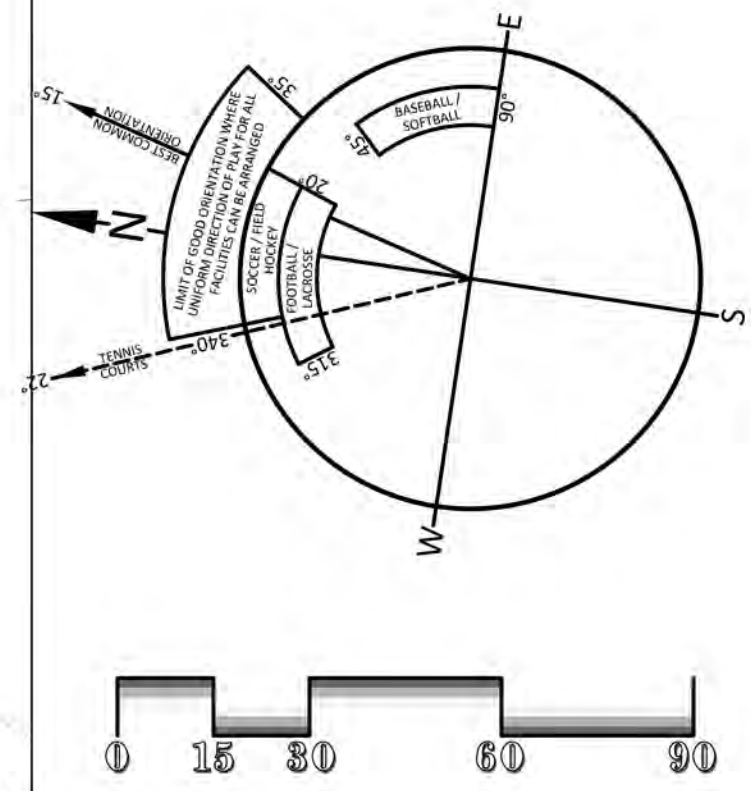
PROPOSED SPOT GRADE

SLOPE GRADIENT AND DIRECTION

LOD

LIMIT OF DISTURBANCE / PROJECT SITE BOUNDARY

REFERENCE ONLY



REVISIONS PER:	DATE:	BY:
1. -	-	-
2. -	-	-
3. -	-	-
4. -	-	-
5. -	-	-

MEMBER

AMERICAN SPORTS BUILDERS ASSOCIATION

SYNTHETIC TURF COUNCIL

MEMBER

ELA

SPORT

ATHLETIC FACILITIES DESIGN & CONSULTING

743 SOUTH BROAD STREET

LITITZ, PA 17543

(717) 626-7271 FAX (717) 626-7040

www.elasport.com

PRELIMINARY
NOT FOR CONSTRUCTION

FINAL LAND DEVELOPMENT PLAN

SUBJECT:

GRADING PLAN

MCCASKEY HIGH SCHOOL STADIUM RENOVATIONS

CITY OF LANCASTER - LANCASTER COUNTY - PENNSYLVANIA

CLIENT:

MM ARCHITECTS

214 NORTH DUKE STREET

LANCASTER, PA 17602

(717) 393-3211

MANAGER:	HDC	DATE:	OCTOBER 2024
DESIGNER:	HDC	PROJECT NO.:	AZ202-015
DRAWN BY:	BLS	SCALE:	1" = 30'

DRAWING NO. _____

CITY PERMIT # XXXXX

DESIGN CODES
2018 INTERNATIONAL BUILDING CODE (CHAPTERS 1 EXCLUDED AND 30 PROVISIONS ADOPTED)
2017 NEC NFPA 70 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2018 INTERNATIONAL MECHANICAL CODE
2017 ICC/ANSI A117.1 ACCESSIBLE & USABLE BUILDING & FACILITIES CODE
2012 NFPA 101 LIFE SAFETY CODE
CHAPTER 145, INDUSTRIAL HOUSING AND COMPONENTS

DESIGN SPECIFICATIONS
SNOW LOAD: Pg=35 PSF; 30 PSF FLAT ROOF
ROOF LIVE LOAD: 50 PSF
FLOOR LIVE LOAD: 100 PSF
OCCUPANCY GROUP: A-5
CONSTRUCTION TYPE: V-B
ACTUAL OCCUPANCY NOT TO EXCEED: 24 PERSONS
HORIZONTAL WIND: CATEGORY II Vult=115, Vbsd=89 MPH, EXPOSURE C @ 30'-0" FT MEAN ROOF HEIGHT
SEISMIC ZONE: CLASS D, CATEGORY B

GENERAL/STRUCTURAL
INTERIOR PARTITIONS TO BE CONSTRUCTED TO WITHSTAND A 5 PSF HORIZONTAL FORCE
INTERIOR WALL BOARD SHALL BE 5/8" NOMINAL THICKNESS OR CONFORM TO SEC. 804.3
(TESTED W/ MATERIALS SUSPENDED FROM NON-COMBUSTABLE BACKING)
EXTERIOR BRACING PROVIDED BY 1/2" CDX W/ EXTERIOR GLUE
APPROVED DATA PLATE AND THIRD PARTY LABEL TO BE LOCATED ON MAIN ENTRANCE PANEL
ON SITE STRUCTURE TO MEET THE FOUNDATION LOADING REQUIREMENTS SHOWN ON SHEET 2
ATTIC VENTILATION SHALL NOT BE LESS THAN 1/150 OF THE HORIZONTAL AREA TO BE VENTILATED.
THE BUILDING EXTERIOR AND ALL FACILITIES WITHIN THE BUILDING SHALL BE IDENTIFIED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.
BUILDER/DEALER SHALL BE RESPONSIBLE FOR ON SITE BARRIER FREE PROVISIONS. BUILDING APPROACH SHALL HAVE A MINIMUM WIDTH OF 5' AND A GRADIENT OF NOT MORE THAN A FOOT IN 20 FOOT.
ALL LOCKS TO BE UNLOCKABLE FROM THE INTERIOR WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.
CORROSION RESISTANT FLASHING AT TOP AND SIDES OF DOORS, WINDOWS, AND AT ROOF PENETRATIONS.
ALL GLAZING WITHIN A 24" ARC OF VERTICAL DOOR EDGES IN THE CLOSED POSITION TO BE SAFETY GLAZED AND MARKED SO.
INTERIOR FINISH SHALL BE CLASS A OR BETTER
THE MINIMUM SEPARATION OF THE UNIT FROM ANY PROPERTY LINE OR ASSUMED PROPERTY LINE IS 20 FT.

ELECTRICAL
ALL WIRING TO BE ENCASED IN THIN ALL EMT CONDUIT OR MC CABLE MIN. 12THHN COPPER WIRE
ALL RECEPTACLES TO BE GROUNDING TYPE.
MAIN PANEL TO BE MARKED SUITABLE FOR USE AS SERVICE EQUIPMENT, AND BE EQUIPPED WITH BREAKER/FUSE TYPE OVER CURRENT PROTECTION.
PROPER THERMAL OVERLOAD PROTECTION TO BE PROVIDED FOR ALL MOTORS.
DISCONNECTING MEANS WITHIN SITE REQUIRED FOR ALL MOTORS.
WEATHERPROOF PROTECTION REQUIRED FOR ALL OUTDOOR LIGHTS, RECEPTACLES AND DISCONNECTS.
PROPER WORKING CLEARANCES TO BE PROVIDED AND MAINTAINED AROUND ALL ELECTRICAL EQUIPMENT.
EXIT LIGHTS (IF ELECTRIC) MUST BE FED FROM AN APPROVED EMERGENCY SERVICE CONNECTED AHEAD OF, BUT NOT WITHIN MAIN SERVICE DISCONNECTING MEANS ENCLOSURE, AND INSTALLED AS PER SERVICE REQUIREMENTS, OR BE BATTERY BACK UP TYPE UNITS
SERVICE CONDUCTORS LOCATED WITHIN THE PERIMETER OF THE BUILDING SHALL BE INSTALLED PER 2017 INTERNATIONAL ELECTRICAL CODE
ELECTRICAL WIRING TO BE INSTALLED PER 2017 INTERNATIONAL ELECTRICAL CODE
ALL DATA/TELECOMMUNICATION CONDUCTORS TO BE INSTALLED & TERMINATED ON SITE BY OTHERS

NOTE:
MOBILE FACILITY ENGINEERING, INC. IS NOT RESPONSIBLE FOR THE INSTALLATION OF THIS STRUCTURE OR ANY USE OF THIS STUCTURE THAT IS DIFFERENT THAN ITS ORIGINAL INTENT.
MFE IS ALSO NOT RESPONSIBLE FOR ANY ADDITIONS OR ALTERATIONS TO THE STRUCTURE THAT AFFECTS ITS USE, AND/OR DAMAGES ARISING THEREFROM.

MOBILE FACILITY ENGINEERING, INC. IS NOT RESPONSIBLE FOR STATE OR LOCAL PERMITS OR OCCUPANCY REQUIREMENTS

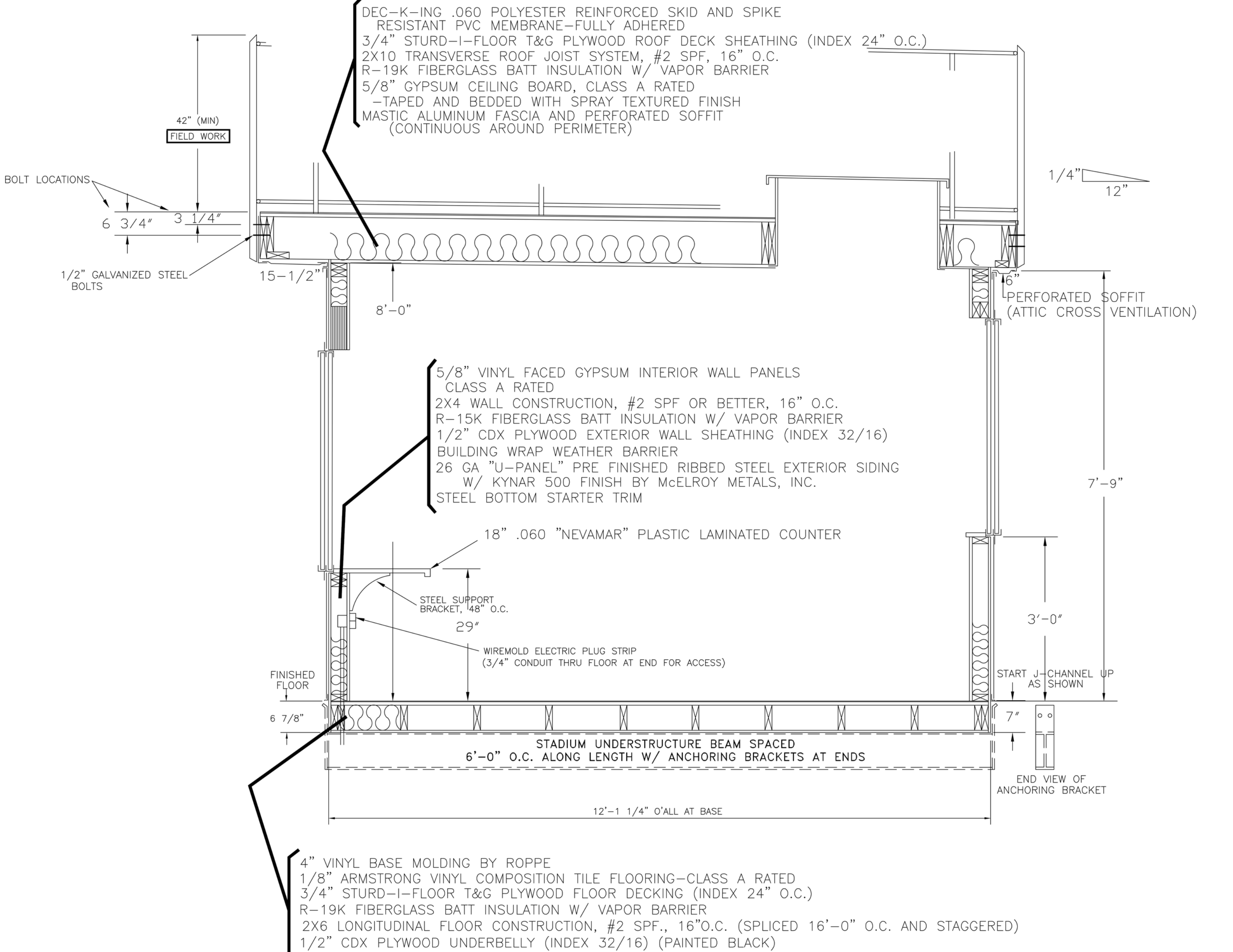
ALL RAILINGS ARE DESIGNED, SUPPLIED AND INSTALLED BY OTHERS
THIS BUILDING SHALL NOT BE USED FOR THE GENERAL PUBLIC OR SPECTATOR VIEWING

BUILDING ELEMENT	FASTENER	NUMBER AND LOCATION
STUD TO SOLE/CAP PLATE	15GA x 7/8 CROWN x 2 1/2" LONG GALVANIZED STAPLE	(4) DIRECT
JAMB/JACK STUDS TO SOLE/CAP PLATE	15GA x 7/8 CROWN x 2 1/2" LONG GALVANIZED STAPLE	(4) DIRECT
CORNER STUDS	#8x3" SCREW	12" O.C. TOE SCREW
SOLE PLATE TO JOIST OR BLOCKING	16d COMMON	16" O.C.
DOUBLE CAP PLATE	15GA x 7/8 CROWN x 2 1/2" LONG GALVANIZED STAPLE	(2) 9" O.C. DIRECT
TRUSS OR RAFTER TO SIDEWALL TOP PLATES	(2) #8x4" SCREW	TOED EACH RAFTER
-OR-	(1) SIMPSON STRONG DRIVE TRUSS SCREW #SDWC 15x6" OR EQUAL	FACE SCREWED THROUGH DOUBLE TOP PLATES EACH RAFTER
-OR-	(1) EA RAFTER END #RT7 18 GA UPLIFT CLIP	FASTENED W/ 10 (148) X 1 1/2" POWER DRIVEN NAILS (5) IN TOP HALF AND (5) IN BOTTOM HALF
TRUSS OR RAFTER TO ENDWALL TOP PLATES	(1) #8x4" TOE-SCREW	6" O.C. ALTERNATING SIDES
-OR-	(1) SIMPSON STRONG DRIVE TRUSS SCREW #SDWC 15x6" OR EQUAL	16" O.C. FACE SCREWED THROUGH DOUBLE TOP PLATES
TRUSS OR CEILING JOISTS TO EDGE RAIL	16d COMMON	MIN. (4) DIRECT
FLOOR JOISTS TO EDGE RAIL	(1) EA #JL26 FLOOR JOIST HANGER OR EQUAL	FASTENED PER HANGER MANUFACTURER'S INSTRUCTIONS
DOUBLE EDGE RAIL	15GA x 7/8 CROWN x 2 1/2" LONG GALVANIZED STAPLE	(3) 12" O.C. DIRECT
JACK STUD/CRIPPLE TO JAMB STUD	15GA x 7/8 CROWN x 2 1/2" LONG GALVANIZED STAPLE	MIN (20) DIRECT
HEADERS TO TRIMMERS (JAMB STUDS)	(2) SIMPSON CS18 STRAP w/10d NAILS	(6) NAILS EACH END OF STRAP (HEADER TO JACK)
SILL TO TRIMMERS (JAMB STUDS)	15GA x 7/8 CROWN x 2 1/2" LONG GALVANIZED STAPLE	(8) END STAPLE OR (14) TOE STAPLE [TOTAL EACH END]
PLYWOOD WALL SHEATHING (1/2" OR LESS)	15GA x 7/8 CROWN x 2 1/2" LONG GALVANIZED STAPLE	(4) PER SILL MEMBER
-OR-	16GA x 7/8 CROWN x 1 1/2" LONG GALVANIZED STAPLE	4" O.C. DIRECT EDGES & 8" O.C. INTERMEDIATE SUPPORTS
PLYWOOD ROOF SHEATHING (5/8" OR GREATER)	6d (.113) X 2" LONG RING SHANK NAIL	6" O.C. DIRECT EDGES & 12" O.C. INTERMEDIATE SUPPORTS
-OR-	15GA x 7/8 CROWN x 2 1/2" LONG GALVANIZED STAPLE	4" O.C. DIRECT EDGES & 8" O.C. INTERMEDIATE SUPPORTS
PLYWOOD SUBFLOORING (5/8" OR 3/4")	6d (.113) X 2" LONG RING SHANK NAIL	4" O.C. DIRECT EDGES & 4" O.C. INTERMEDIATE SUPPORTS
-OR-	15GA x 7/8 CROWN x 2 1/2" LONG GALVANIZED STAPLE	4" O.C. DIRECT EDGES & 8" O.C. INTERMEDIATE SUPPORTS
STEEL SIDING	(1) #10 X 1 1/2" WOOD GRIP SCREW	6" O.C. DIRECT EDGES & 12" O.C. INTERMEDIATE SUPPORTS
STEEL SIDING (SIDE LAP)	1/4" X 7/8" STITCH TEK SCREW	EDGE FASTENERS: (1) EVERY VALLEY, (6) PER PANEL; INTERMEDIATE FASTENERS: (1) EVERY OTHER VALLEY, (3) PER PANEL; ROWS: SPACED (34" O.C.) 24" O.C. ON RIBS

INDEX

SHEET NO.	DESCRIPTION
1 OF 2	*NOTES, CROSS SECTION
2 OF 2	*FLOOR, ELEC., ELEVATIONS

* SHEETS/DRAWINGS THAT REQUIRE FIELD WORK



CROSS SECTION
SCALE: 3/4"=1'-0"

REFERENCE ONLY
PRELIMINARY LAYOUT
STADIUM SOLUTIONS, INC.

CABOT, PA

FINISH SCHEDULE	
INTERIOR	COLOR
WALL PANELS:	----
SPRAY TEXTURED CEILING:	WHITE
COUNTER:	----
FLOOR MOLDING:	----
FLOOR TILE:	----
EXTERIOR	
ROOF MEMBRANE:	BALTIC GRAY
SIDING:	----
BOTTOM STARTER TRIM:	----
FASCIA:	----
SOFFIT:	----
WINDOWS:	----
DOORS:	----

APPROVED FOR PRODUCTION DATE	DWN. BY: GJK	REVISION	DATE	This drawing is NOT FOR CONSTRUCTION. Engineering to be performed by a registered Consulting Engineer, not by Mobile Facility Engineering. This drawing is the property of Mobile Facility Engineering and is not to be reproduced without the express written permission of Mobile Facility Engineering. We assume no responsibility for unauthorized use of this drawing and we are not responsible for local permits and/or occupancy requirements.	CUSTOMER: JP McCASKEY STADIUM	ADDRESS: LANCASTER, PA	ATTN:	TITLE: NOTES, CROSS SECTION
Return approved drawing as soon as possible, so that production can be scheduled.	CHK. BY:				PROJECT: 1230 PRESSBOX			
NOTE: Manufacturer not responsible for local permits and occupancy requirements.	DATE: 9/10/24							
	SCALE: 1/4"=1'							
	DWG. NO: MF096-24							

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