

ADDENDUM NUMBER

02

March 15, 2024

**PROJECT: MORGAN COUNTY EVENTS CENTER
ARCHITECT: GOODWYN MILLS CAWOOD
OWNER: MORGAN COUNTY COMMISSION**

AD2-1 GENERAL:

- A. The following revisions and/or additions to the Drawings and Project Manual are hereby made a part of same, and shall be incorporated in the Work of the Contract the same as if originally included in the Bid and Construction Documents.
- B. Bidders shall acknowledge receipt of this Addendum in writing, as provided on the Proposal Form.
- C. When a revision and/or addition is called for to the Drawings or Project Manual, they shall be fully coordinated with and carried through all applicable Drawings and portions of the Project Manual, including in part, all related Civil, Landscaping, Architectural, Structural, Plumbing, Mechanical, Electrical, and other Documents.

AD2-2 CLARIFICATIONS:

- A. Instructions to Bidders Section 002113 has been updated and attached, see Specifications below.
- B. The bid date shall be **April 3, 2024 at 580 Shull Road NE, Hartselle, AL 35640. Bids shall be received until 2:00 p.m. CST** at which point they will be publicly opened.
- C. Site class has been changed from D to C, see S1.00 changes.
- D. Plumbing domestic water connection has been changed to avoid footing, see P2.01.
- E. The bid bond shall be 5% as stated in the bid and disregard the reference to 10% in section 00 0102.
- F. Gutter & downspouts shall be provided by Metal Building supplier.

AD2-3 DRAWINGS

Drawings Removed:

- G1.01 – Index & General Information (with plot date 2/20/2024)
- G1.21 – Plumbing Layouts & Partition Types (with Issue date 2/16/2024)
- A1.01 – First Floor Plan (with Issue date 2/16/2024)
- C-001 – General Notes (with Issue date 2/16/2024)
- C-101 – Overall Site Layout Plan (with Issue date 2/16/2024)
- C-102 – Site Layout Plan (with Issue date 2/16/2024)
- C-201 – Site Grading Plan (with Issue date 2/16/2024)
- C-903 – Construction Details (with Issue date 2/16/2024)
- S1.00 – General Notes (with Issue date 2/16/2024)
- P2.01 – First Floor Plan – Pressure Piping (with Issue date 2/16/2024)

Drawings Added:

G1.01 – Index & General Information (with Revision date 3.15.2024)
G1.21 – Plumbing Layouts & Partition Types (with Revision date 3.15.2024)
A1.01 – First Floor Plan (with Revision date 3/15/2024)
C-001 – General Notes (with Revision date 3/15/2024)
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C-102 – Site Layout Plan (with Revision date 3/15/2024)
C-201 – Site Grading Plan (with Revision date 3/15/2024)
C-903 – Construction Details (with Revision date 3/15/2024)
A8.05 – Site Details (with Revision date 3/15/2024)
S1.00 – General Notes (with Revision date 3.15.2024)
P2.01 – First Floor Plan – Pressure Piping (with Revision date 3.15.2024)

AD2-4 SPECIFICATION

Items Removed:

1. Remove old Instructions to Bidders Section 002113

Items Added:

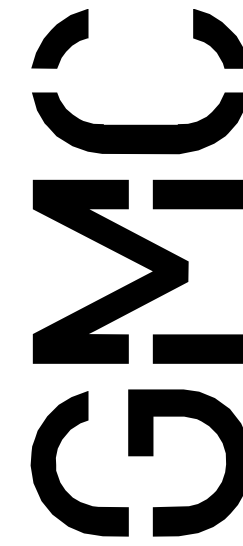
1. Add updated Instructions to Bidders Section 002113 – See Attached
2. 126613 – Bleacher Specification 3.13.24
3. 323123 – Plastic Fences and Gates [vinyl HVAC exterior fencing]-03-14-2024

AD2-5 RFIs & QUESTIONS

- Please see attached RFI Log for responses, additional RFI responses are pending.


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| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| ACCESSIBLE PLUMBING LAYOUTS - ADAAG / ANSI | | | | | | | | | | | |
| ACCESSIBLE LAVATORIES | | | | | | | | | | | |
| ACCESSIBLE TOILET STALL OR COMPARTMENT LAYOUTS | | | | | | | | | | | |
| OTHER STALL LAYOUTS | | | | | | | | | | | |
| NOTES - TOILETS & FIXTURES: | | | | | | | | | | | |
| PARTITION TYPES INTERIOR | | | | | | | | | | | |
| GENERAL NOTES - PARTITIONS | | | | | | | | | | | |
| PLUMBING LAYOUTS & PARTITION TYPES | | | | | | | | | | | |
| MORGAN COUNTY EVENT CENTER | | | | | | | | | | | |
| MORGAN COUNTY, ALABAMA | | | | | | | | | | | |
| G1.21 | | | | | | | | | | | |



Goodwyn Mills Cawood, LLC
117 Jefferson Street North
Huntsville, AL 35801
T 256.539.3431
GMCNETWORK.COM

Morgan County,
Alabama



ISSUE DATE

ISSUED FOR BID 12/15/24

ADDENDUM-2 03/15/2024

2

DRAWN BY: VK

CHECKED BY:

MORGAN COUNTY EVENT CENTER

382 UNION HILL RD

LACEYS SPRING, ALABAMA 35754

REGISTERED ARCHITECT

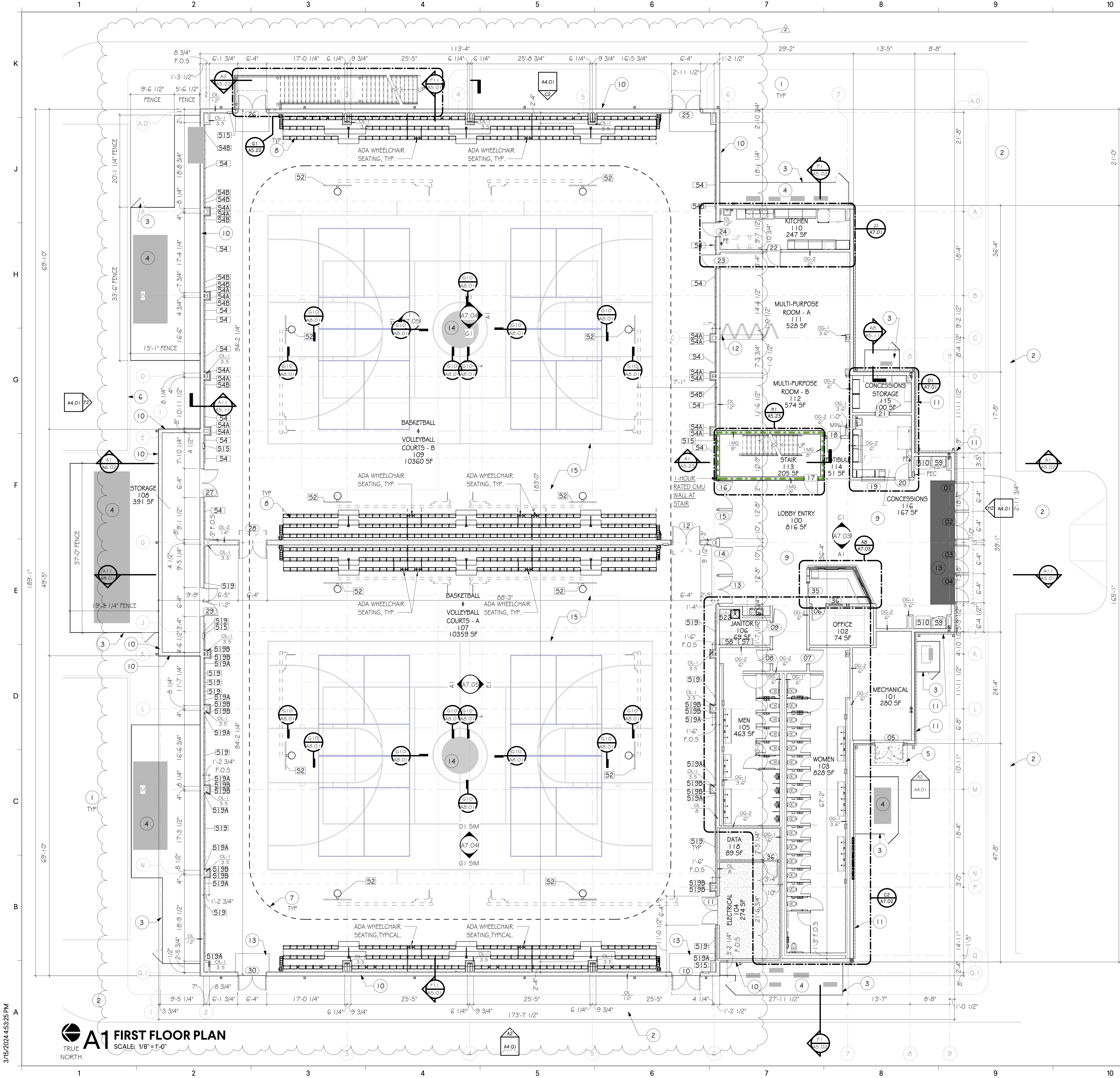
Jay W Purkey
9063
Owens Cross Roads
Alabama

2-15-2024

G1.21

3/15/2024 4:53:25 PM

A1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



SPECIALTY EQUIPMENT SCHEDULE

| TAG | DESCRIPTION | COMMENTS |
|------|--|----------|
| 52 | CEILING SUSPENDED, SIDE-FOLD, REAR OR FRONT-BRACED BASKETBALL GOAL | CFCI |
| 54 | BLUE BASKETBALL WALL SAFETY PADS 24" X 72" | CFCI |
| 54A | BLUE BASKETBALL WALL SAFETY CORNER PADS 12" X 72" | CFCI |
| 54B | BLUE BASKETBALL WALL SAFETY PADS CUSTOM SIZE FIELD VERIFY | CFCI |
| 55 | SCOREBOARD - ATHLETIC - WALL MOUNTED - BY OWNER, WIRELESS CONTROLLED, BUT HARDWIRED FOR POWER. | OFOI |
| 56 | MOP SINK | CFCI |
| 57 | METAL INDUSTRIAL SHELVING - 4 POST WITH 6 SHELVES - 36"W X 18"D X 84"H | CFCI |
| 58 | METAL INDUSTRIAL SHELVING - 4 POST WITH 6 SHELVES - 48"W X 18"D X 84"H | CFCI |
| 59 | ICE MACHINE | OFCI |
| 510 | VENDING MACHINES | OFCI |
| 511 | MICROWAVE | OFOI |
| 512 | REFRIGERATOR/FREEZER - SIDE BY SIDE | OFCI |
| 513 | COOLER | OFCI |
| 514 | FIRE EXTINGUISHER | CFCI |
| 515 | FIRE EXTINGUISHER CABINET | OFCI |
| 516 | STAINLESS STEEL SHELF | CFCI |
| 517 | WARMING CART | OFCI |
| 518 | COMMERCIAL GRADE FREEZER | OFCI |
| 519 | GREEN BASKETBALL WALL SAFETY PADS 24" X 72" | CFCI |
| 519A | GREEN BASKETBALL WALL SAFETY PADS CUSTOM SIZE FIELD VERIFY | CFCI |
| 519B | GREEN BASKETBALL WALL SAFETY CORNER PADS 12" X 72" | CFCI |
| 520 | GRAY BASKETBALL WALL SAFETY CORNER PADS 12" X 72" | CFCI |
| 521 | GRAY BASKETBALL WALL SAFETY CUSTOM CORNER PADS FIELD VERIFY | CFCI |
| 522 | MOP HOLDER & SHELF - 36"W | CFCI |

KEYNOTES - FLOOR PLAN:

- GRADING TO SLOPE AWAY FROM BUILDING AND PROVIDE POSITIVE DRAINAGE. SEE CIVIL.
- CONCRETE SIDEWALK. SLOPE AWAY FROM BUILDING. SEE CIVIL.
- VINYL (HVAC) FENCING w/ LOCKABLE GATE, TYPICAL. SEE DETAIL 1/A8.05
- HVAC UNIT. SEE MECHANICAL
- CONCRETE PAD, SEE CIVIL
- CURB & GUTTER, SEE CIVIL
- RUNNING TRACK ABOVE AT MEZZANINE
- BLEACHER SYSTEM, SEE SPECIFICATIONS
- WALLS IN LOBBY TO HAVE IMPACT RESISTANT GYPSUM
- METAL PANEL WALL ASSEMBLY:**
 - METAL PANEL (EXTERIOR SIDE)
 - AIR SPACE
 - 8 1/2" METAL STUD FRAMING w/ BATT INSULATION
 - METAL PANEL (INTERIOR SIDE)
- BRICK VENEER WALL ASSEMBLY:**
 - BRICK VENEER (EXTERIOR SIDE)
 - AIR SPACE
 - WEATHER BARRIER OVER EXTERIOR GRADE SHEATHING
 - 8 1/2" METAL STUD FRAMING w/ BATT INSULATION
 - GYPSUM WALL BOARD (INTERIOR SIDE)
- OPERABLE PARTITION
- 1" RECESS FOR WALK OFF MAT
- COUNTY LOGO, PAINTED ON FLOOR. SEE INTERIOR DETAILS / SHEETS
- SEE STRIPING PLAN FOR FLOOR DETAILS

BLEACHER NOTES:

- ALL VERIFIABLE DIMENSIONS ARE SUBJECT TO CHANGE PENDING FIELD VERIFICATION.
- FLOOR SHALL BE SMOOTH AND LEVEL, WITH SLOPE NOT TO EXCEED 1/8" IN 1'-0" (ALTERNATIVELY RECOMMEND FF50/FL35)
- IF WALL COLUMNS OR OTHER OBSTRUCTIONS EXIST IN PROPOSED BLEACHER AREA, VERIFY TYP. LOCATION, WIDTH, & DEPTH.
- BLEACHER SUPPLIER TO PROVIDE SHOP DRAWINGS SHOWING ALL COMPONENTS AND DIMENSIONS.

RELEASE A-GROUP 1: 144 SEATS + 3 WC SPACES
RELEASE A-GROUP 2: 129 SEATS + 2 WC SPACES

TOTAL: 273 SEATS + 5 WC SPACES

PARTITION LEGEND

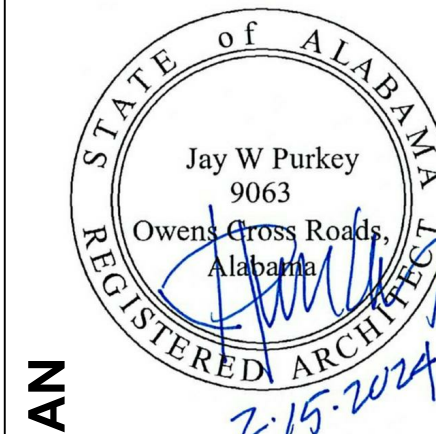
- TYPICAL PARTITION
- TYPICAL CMU PARTITION
- 1-HOUR FIRE RATED PARTITION

GENERAL NOTES

- DO NOT SCALE DRAWINGS.
- REFER TO SHEET G1.01 FOR GENERAL INFORMATION.
- REFER TO SHEET G1.11 FOR ABBREVIATIONS, MATERIAL AND SYMBOL LEGENDS AND TYPICAL MOUNTING HEIGHTS.
- REFER TO SHEET G1.21 FOR INTERIOR PARTITION TYPES.
- REFER TO SHEET G1.31 FOR FIRESTOPPING-THRU-PENETRATION SYSTEMS.
- UNLESS NOTED OTHERWISE LOCATE HINGE SIDE OF DOOR JAMB 6" FROM ADJACENT WALL FOR STUD FRAMING, 8" FOR MASONRY.
- DIMENSIONS SHOWN ARE TO FACE OF STUD OR BLOCK UNLESS NOTED OTHERWISE. COLUMN DIMENSIONS ARE CENTERLINE DIMENSIONS.
- INSTALL APPROPRIATE WOOD FRAMING ADEQUATE TO SUPPORT WALL OR CEILING MOUNTED EQUIPMENT, ACCESSORIES, CASEWORK OR OTHER MOUNTED ITEMS IN CONSTRUCTION. INSTALL PRESSURE TREATED WOOD FRAMING AT EXTERIOR WALLS OR WHERE FRAMING IS IN CONTACT WITH CONCRETE AND/OR MASONRY. INSTALL FIRE RETARDANT TREATED BLOCKING IN ALL RATED CONSTRUCTION.
- INSTALL BULLNOSE MASONRY UNITS AT ALL OUTSIDE CORNERS EXPOSED TO THE INTERIOR OF THE PROJECT. START BULLNOSE MASONRY UNITS 1 COURSE ABOVE FINISHED FLOOR AND STOP 1 COURSE BELOW CEILING.
- FINISHED FLOOR GRADE TO BE FLUSH THROUGHOUT EVENT CENTER.

MORGAN COUNTY EVENT CENTER
382 UNION HILL RD
LACEY'S SPRING, ALABAMA 35754

FIRST FLOOR PLAN



A1.01

ISSUE DATE

ISSUED FOR BID 2/15/24
APPENDIX-2 03/15/2024

GMC AHUN230008

DRAWN BY: YK
CHECKED BY:



Goodwyn Mills Cawood, LLC
117 Jefferson Street North
Huntsville, AL 35801
T 256.539.3431
GMCNETWORK.COM

Morgan County, Alabama

GMC

DEFINITION NOTES

1. ALL ON-SITE EXISTING UTILITIES NOT TO BE USED SHALL BE REMOVED. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY FOR THE REMOVAL AND DISCONNECTION OF EXISTING UTILITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES IN ALL AREAS TO BE REMOVED OR DEMOLISHED. PRIOR TO COMMENCEMENT OF WORK, THE UTILITIES TO BE LOCATED SHALL INCLUDE, BUT NOT BE LIMITED TO WATER, GAS, SANITARY SEWER, STORM SEWER, SITE LIGHTING, IRRIGATION, SECURITY, CABLE, SITE ELECTRICAL, AND TELEPHONE.
3. ALL UTILITIES TO BE REMOVED SHALL BE CUT, REMOVED, CAPPED, ETC., ACCORDING TO ALL GOVERNING AGENCIES SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY AGENCIES PRIOR TO ANY WORK BEING DONE ON RESPECTIVE LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING AND INFORMING EACH UTILITY AGENCY OF THE SCOPE OF WORK AND SCHEDULE OF COMPLETION, AND SHALL COORDINATE ALL INSPECTIONS.
4. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AND SHALL LOCATE ON THE GROUND WITH PAINT OR OTHER EASILY VISIBLE MEANS ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION EFFORTS. CONFLICTS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY. IF UTILITIES SHOWN ON THE INSTRUMENTED AS- BUILT RECORDS, THE GROUND SURFACE, OR THE GROUND SURFACE, OR THE GROUND SURFACE, AND/OR ACCORDING TO UTILITY MAPS OR UTILITY ADMINISTRATOR'S RECOLLECTION, AND ARE PROVIDED AS INFORMATION ONLY.
5. THE CONTRACTOR SHALL PRESERVE AND PROTECT, ACCORDING TO THE INSTRUCTIONS OF THE UTILITY INVOLVED, ANY "LIVE" UTILITIES LOCATED BY THE UTILITY COMPANY OR THE CONTRACTOR.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL CONCRETE, SIDEWALKS, WALLS, ETC., DAMAGED DURING CONSTRUCTION. ALL DISTURBED AREAS WITHIN PUBLIC RIGHTS OF WAY SHALL BE RESTORED TO THE ORIGINAL CONDITION OR AS ACCEPTED BY THE OWNER.

3. GENERAL NOTES AND MAINTENANCE

- ## PERMANENT SEEDING SPECIFICATION

- THE ABOVE DESCRIBED SEEDING RECOMMENDATIONS AND RATES HAVE BEEN PREPARED FOR SELECTION OF A VEGETABLE COVER SUITABLE FOR SOIL EROSION CONTROL IN PLANTING ZONE 1 AS DEFINED BY THE ALDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2012 EDITION. THE CONTRACTOR SHALL VERIFY THE PLANTING ZONE THE PROJECT IS LOCATED WITHIN AND ALERT THE PROJECT ENGINEER OF ANY DISCREPANCIES.

1. SCOPE OF WORK

GENERAL REQUIREMENTS : PROVIDE SEEDBED PREPARATION, TOPSOILING, LIMING, FERTILIZING, SEEDING AND MULCHING OF ALL NEWLY GRADED FINISH EARTH SURFACES, UNLESS INDICATED OTHERWISE, AND AT ALL AREAS INSIDE OR OUTSIDE THE LIMITS OF CONSTRUCTION THAT ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS. REFERENCE ADOPT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2012 EDITION OR MOST CURRENT, SECTION 650, SECTION 652, SECTION 860, AND OTHERS AS APPLICABLE.

- SOIL PREPARATION: AT THE COMPLETION OF ROUGH GRADING, SPREAD TOPSOIL OVER AREAS TO BE SEEDED OR AS SOIL PREPARATION INDICATED, TO A MINIMUM THICKNESS OF 2 INCHES. TOPSOIL SHALL BE IN THE MATERIAL, STRIPPED FROM THE SITE. IF TOPSOIL GRADING IS OPTIONAL, DO NOT SPREAD TOPSOIL THAT WHEN FROZEN AN EXCESSIVELY WET OR DRY AREA. DO NOT RECEIVING TOPSOIL SHALL BE LOOSENOED TO A MINIMUM DEPTH OF 4 INCHES BEFORE AGRICULTURAL LIME, FERTILIZER OR SEED IS APPLIED. LAWN AREAS SHALL BE FINE GRADED TO A SMOOTH, POSITIVELY DRAINING SLOPE, REMOVING ALL STONES OVER ONE INCH.
- SEEDING: SEED SHALL BE SOWN WITHIN 24 HOURS FOLLOWING THE APPLICATION OF FERTILIZER AND LIME, AND PREPARATION OF THE SEEDBED, DO NOT SEED WHEN THE GROUND IS MUDDY, FROZEN, SNOW COVERED, OR IN ANY UNSATISFACTORY CONDITION FOR SEEDING. IF SPECIAL CONDITIONS EXIST THAT MAY WARRANT A VARIANCE IN THE ABOVE SEEDING DATES OR CONDITIONS, SUBMIT A WRITTEN REQUEST TO THE ENGINEER STATING THE SPECIAL CONDITIONS AND PROPOSED VARIANCE.
- SOIL SEW WITH APPROVED SOWING EQUIPMENT USING ONE OR A COMBINATION OF THE FOLLOWING METHODS. SOW 1/2 THE SEED IN ONE DIRECTION AND SOW THE REMAINDER AT RIGHT ANGLES TO THE FIRST SOWING. FOR DRILL, BROADCAST, AND DROP SEEDING, INCORPORATE FERTILIZER AND LIME INTO THE SOIL TO A MINIMUM DEPTH OF 6 INCHES PRIOR TO SEEDING. FOR HYDROSEEDING, APPLY LIQUID FERTILIZER IN AMOUNTS SUFFICIENT TO PROMOTE THE SPECIFIED STAND OF TURF AND APPLY LIME MANUALLY DURING SUBGRADE PREPARATION.
- DRILL SEEDING: USE CUTLICKPACER SEEDERS OR GRASS SEED DRILLS. DRILL SEED UNIFORMLY TO A MAXIMUM DEPTH OF 1/4 INCH IN CLAYED SOILS AND 1/2 INCH IN SANDY SOILS. COVER SEED BY SPIKETOOTH HARROW, CUTLICKPACER, OR OTHER APPROVED DEVICES.
- BROADCAST SEEDING AND DROP SEEDING: USE BROADCAST OR DROP SEEDERS. COVER SEED UNIFORMLY TO A MAXIMUM DEPTH OF 1/4 INCH IN CLAYED SOILS AND 1/2 INCH IN SANDY SOILS. COVER SEED BY SPIKE TOOTH HARROW, RAKING, OR OTHER APPROVED DEVICES. IMMEDIATELY AFTER SEEDING, FIRM ENTIRE AREA. EXCEPT FOR SLOPES IN EXCESS OF 3 TO 1, WITH A ROLLER NOT EXCEEDING 90 POUNDS FOR EACH FOOT OF ROLLER WIDTH.

- HYDROSEEDING:** MIX SEED, FERTILIZER, AND WOOD CELLULOSE FIBER IN REQUIRED AMOUNT OF WATER TO PRODUCE A HOMOGENEOUS SLURRY. AFTER SEED, WATER, AND FERTILIZER HAVE BEEN THOROUGHLY MIXED, ADD 200 POUNDS OF WOOD CELLULOSE FIBER PER ACRE (DRY WEIGHT) AND FLOW THE SLURRY. SEED SHALL NOT REMAIN IN WATER CONTAINING FERTILIZER FOR MORE THAN ONE HOUR PRIOR TO APPLICATION, UNLESS OTHERWISE APPROVED. KEEP LIQUID FERTILIZER AGITATED DURING APPLICATION. IMMEDIATELY FOLLOWING APPLICATION OF SLURRY MIX, MAKE SEPARATE APPLICATION OF WOOD CELLULOSE MULCH AT THE RATE OF 800 POUNDS (DRY WEIGHT) PER ACRE. WHEN HYDRAULICALLY SPRAYED ON THE GROUND, MATERIAL SHALL FORM A BUTTERLIKE COVER IMPREGNATED UNIFORMLY WITH GRASS SEED. COVER SHALL ALLOW RAINFALL OF APPLIED WATER TO PERCOLATE TO UNDERLYING SOIL. TOTAL APPLICATION SHOULD EQUAL 2 TONS/ACRE MULCH.
- MULCH:** EXCEPT WHEN HYDROSEEDING, SPREAD STRAW MULCH EVENLY AT THE RATE OF 2 TONS PER ACRE. ANCHOR BY GRINDING MULCH WITH A SEPARATED DISC OR BY SPRAYING ASPHALT EMULSION ON THE MULCHED SURFACE AT THE RATE OF 5 GALLONS PER 1000 SQUARE FEET. TAKE PRECAUTIONARY MEASURES TO PREVENT ASPHALT MATERIALS FROM MARKING OR DEFACING STRUCTURES, PAVEMENTS, UTILITIES, OR PLANTINGS AND DO NOT USE ASPHALT NEAR PEDESTRIAN TRAFFIC AREAS.
- PROTECTION OF SEEDED AREAS:** IMMEDIATELY AFTER SEEDING, PROTECT THE AREA AGAINST TRAFFIC OR OTHER USE BY ERECTING BARRICADES, AS REQUIRED, AND PLACING APPROVED SIGNS AT APPROPRIATE INTERVALS UNTIL FINAL ACCEPTANCE.
4. **RESTORATION, ESTABLISHMENT, AND FINAL INSPECTION**
- RESTORATION:** RESTORE TO ORIGINAL CONDITION EXISTING LAWN AREAS WHICH WERE DAMAGED DURING GRASSING OPERATIONS. KEEP AT LEAST ONE PAVED PEDESTRIAN ACCESS ROUTE AND ONE PAVED VEHICULAR ACCESS ROUTE TO EACH BUILDING CLEAN AT ALL TIMES. CLEAN OTHER PAVING WHEN WORK IN ADJACENT AREAS IS COMPLETE.
- ESTABLISHMENT PERIOD:** THE ESTABLISHMENT PERIOD WILL BE IN EFFECT UNTIL THE SEEDED AND SODDED AREAS ARE MOWN THREE TIMES. DURING THE ESTABLISHMENT PERIOD, THE CONTRACTOR SHALL MOW THE SEEDED AND SODDED AREAS TO AN AVERAGE HEIGHT OF 2 INCHES WHENEVER THE AVERAGE HEIGHT OF GRASS REACHES 4 INCHES. THE CONTRACTOR SHALL REMOVE EXCESS CLIPPINGS, ERADICATE WEEDS, WATER, FERTILIZE, OVERSEED, AND PERFORM OTHER OPERATIONS NECESSARY TO PROMOTE GROWTH.
- FINAL INSPECTION AND ACCEPTANCE:** AT THE END OF THE ESTABLISHMENT PERIOD, FINAL INSPECTION WILL BE MADE UPON WRITTEN REQUEST AT LEAST 10 DAYS PRIOR TO THE ANTICIPATED DATE. FINAL ACCEPTANCE WILL BE BASED UPON A SATISFACTORY SURVEY OF GRASS, DEFINED AS 95 PERCENT GROUND COVER OF THE SPECIFIED SPECIES. THE CONTRACTOR WILL REPAIR ANY BARE SPOTS OVER 2 INCHES SQUARE DUE TO UNEVEN SEED DISTRIBUTION.
- RESEEDING AND REPAIR:** ANY AREAS THAT REQUIRE RESEEDING AND/OR REFERTILIZATION WILL BE DESIGNATED BY THE OWNER/ENGINEER. ANY DAMAGE FOLLOWING SEEDING OR IF SEEDINGS ARE DESTROYED, THE PORTION AFFECTED SHALL BE REPAIRED TO RE-ESTABLISHMENT CONDITION AND GRADE OF THE SOIL PRIOR TO ORIGINAL SEEDING, AND THEN RESEEDED FOLLOWING THE ABOVE SPECIFICATIONS.

REFERENCE: ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2012 EDITION OR MOST CURRENT, SECTION 665, SECTION 860, AND OTHERS AS APPLICABLE.

- | | |
|-----------------------------|------------------|
| <u>SEPTEMBER - DECEMBER</u> | |
| ANNUAL RYE GRASS | 25 LBS. PER ACRE |
| KENTUCKY 31 FESCUE | 30 LBS. PER ACRE |
| RESEEDING CRIMSON CLOVER | 10 LBS PER ACRE |
| | |
| <u>JANUARY - APRIL 15</u> | |
| KENTUCKY 31 FESCUE | 30 LBS. PER ACRE |
| RESEEDING CRIMSON CLOVER | 30 LBS. PER ACRE |
| ANNUAL RYEGRASS | 15 LBS. PER ACRE |
| | |
| <u>APRIL 16 - AUGUST</u> | |
| BROWN TOP MILLET | 30 LBS. PER ACRE |
| KENTUCKY 31 FESCUE | 30 LBS. PER ACRE |
| HULLED BERMUDA GRASS | 10 LBS. PER ACRE |

AFTER SEEDING, THE AREA IS TO BE ROLLED OR CULTIPACKED TO INSURE THAT THE SEED IS PRESSED INTO CONTACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW MULCH AT THE RATE OF 4000 LBS. PER ACRE. (APPROX. 100 BALES PER ACRE.) APPLY ASPHALT EMULSION TO THE STRAW MULCH AT THE RATE OF 150 GALLONS PER ACRE.



GENERAL NOTES

C-001

GMC-AHIN230008

02-16-2024

02-16-2024

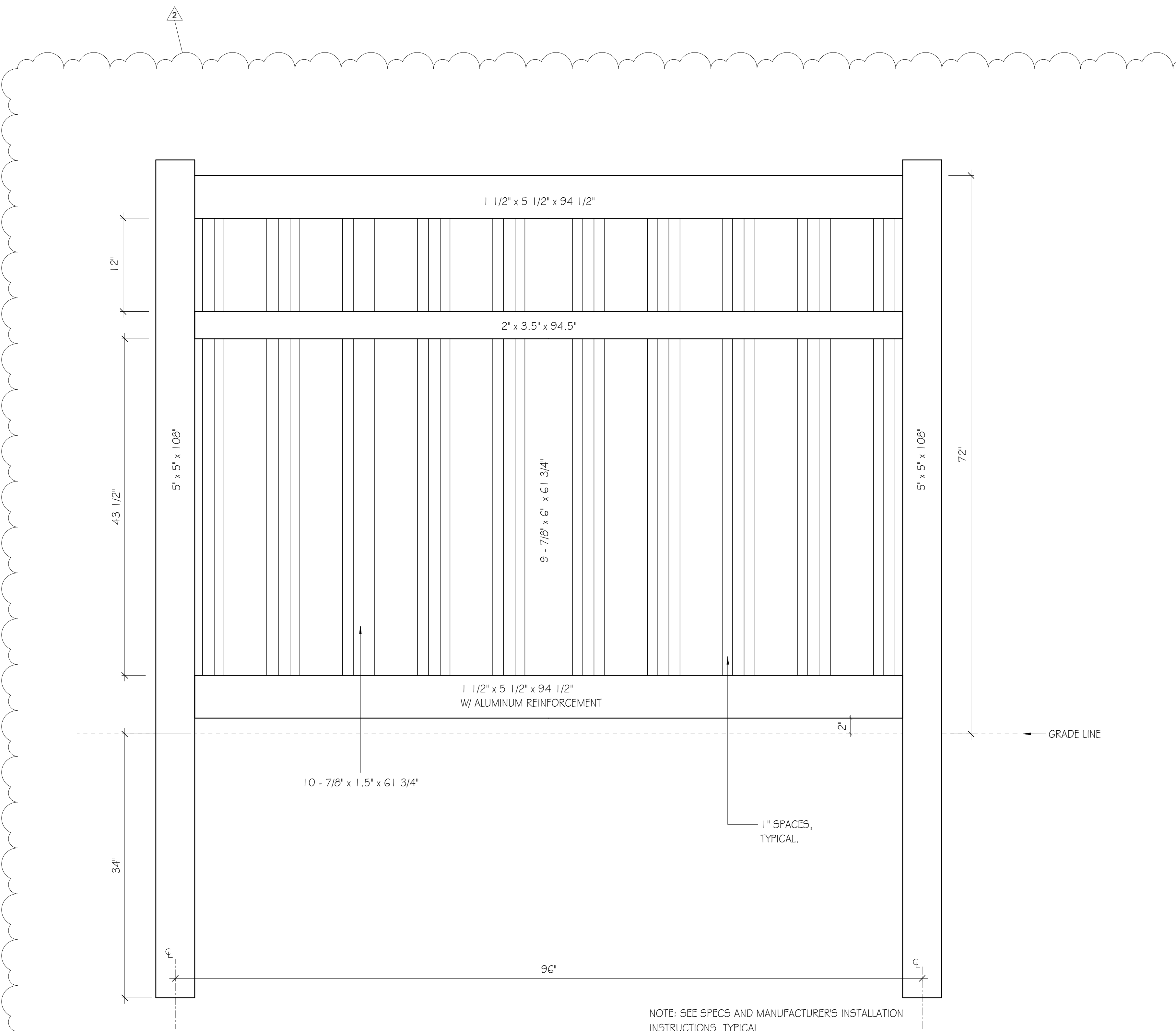


| | ISSUE | DATE |
|---|----------------|------------|
| | ISSUED FOR BID | 21.5.24 |
| 2 | ADDENDUM-2 | 03.15.2024 |
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| | | |
| | DRAWN BY: | Author |
| | CHECKED BY: | Checker |

MORGAN COUNTY EVENT CENTER
382 UNION HILL RD
LACEYS SPRING, ALABAMA 35754

SITE DETAILS

A8.05



1 VINYL (HVAC) FENCING

SCALE: 1 1/2" = 1'-0"

NOTE: SEE SPECS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS, TYPICAL.

3/14/2024 2:22:24 PM

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J
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F
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D
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A

1.0 DESIGN CRITERIA

1.1 CODES AND SPECIFICATIONS:

- A. GENERAL BUILDING CODE:
INTERNATIONAL BUILDING CODE, 2021 EDITION.
- B. CONCRETE:
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-19)
- C. STRUCTURAL STEEL:
STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (ANSI/AISC 360-16)
- D. MASONRY:
SPECIFICATIONS FOR MASONRY STRUCTURES (TMS 602-16)
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 602-16)
NATIONAL CONCRETE MASONRY ASSOCIATION'S STANDARD PRACTICES AND "SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY"
- E. STEEL DECK:
STEEL DECK INSTITUTE DESIGN MANUALS FOR COMPOSITE DECKS, NON-COMPOSITE DECKS, AND ROOF DECKS, LATEST EDITIONS.
- F. COLD-FORMED STEEL FRAMING:
AISI NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE (AISI S100-16(2020) w/s2-20)
- OTHER APPLICABLE AISI STANDARDS, AMERICAN IRON AND STEEL INSTITUTE, LATEST EDITION

1.2 DESIGN GRAVITY LOADS (PSF):

- A. DEAD LOADS:
ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.
- B. FLOOR LIVE LOADS:
NON-REDUCIBLE PARTITION LIVE LOAD OF 20 PSF HAS BEEN INCLUDED PER IBC SECTION 1607.5.
LIVE LOAD REDUCTIONS AS DETERMINED BY IBC SECTION 1607.12 HAVE BEEN TAKEN WHERE PERMITTED.
- | | |
|-------------------|----------|
| FLOOR | -----100 |
| STORAGE | -----125 |
| CORRIDORS | -----100 |
| MECHANICAL ROOM | -----150 |
| STAIRS & EXITWAYS | -----100 |
- C. ROOF LIVE LOADS:
WHERE PERMITTED ROOF LIVE LOADS ARE REDUCED FROM THE BASE VALUE SHOWN BELOW IN ACCORDANCE WITH IBC SECTION 1607.14
- | | |
|------|---------|
| ROOF | -----20 |
|------|---------|
- D. ROOF SNOW LOADS:
GROUND SNOW LOAD (Pg)-----10.0
IMPORTANCE FACTOR (I)-----1.1
EXPOSURE FACTOR (Ce)-----1.0
THERMAL FACTOR (Ct)-----1.0

1.3 DESIGN LATERAL LOADS:

- A. WIND LOADS:
WIND SPEED (3-SECOND GUST)-----112MPH
WIND IMPORTANCE FACTOR (I)-----1.0
WIND EXPOSURE CATEGORY-----C
INTERNAL PRESSURE COEFFICIENTS-----+/- 0.18
SEE TYPICAL DETAILS FOR COMPONENT AND CLADDING LOADS
- B. SEISMIC LOADS:
MAPPED SPECTRAL RESPONSE ACCELERATIONS:-----0.255
S1-----0.112
SITE CLASS-----C
SPECTRAL RESPONSE COEFFICIENTS:-----0.221
SD1-----0.112
SEISMIC DESIGN CATEGORY-----B
- THE FOLLOWING INFORMATION SHALL BE PROVIDED BY THE METAL BUILDING MANUFACTURER:
- BASIC SEISMIC FORCE RESISTING SYSTEM
DESIGN BASE SHEAR
SEISMIC RESPONSE COEFFICIENT, CS
RESPONSE MODIFICATION FACTOR, R
ANALYSIS PROCEDURE
IMPORTANCE FACTOR, I

2.0 GENERAL CONDITIONS

- 2.1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH OTHER DISCIPLINE'S DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT AND STRUCTURAL DESIGN GROUP.
- 2.2 ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES, AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY STRUCTURAL DESIGN GROUP AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF STRUCTURAL DESIGN GROUP. STRUCTURAL DESIGN GROUP SHALL RETAIN ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.
- 2.3 SUBMIT ONLY THREE COPIES OF SHOP DRAWINGS TO STRUCTURAL DESIGN GROUP UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS. TWO PRINTS WILL BE RETURNED. ALL ADDITIONAL PRINTS REQUIRED BY THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE MADE AFTER THE PRINTS ARE RETURNED. IF ADDITIONAL SETS ARE SUBMITTED, THEY WILL BE RETURNED UNMARKED.
- 2.4 WHERE SHOP DRAWINGS, CALCULATIONS, OR SUBMITTALS ARE CALLED FOR IN THE PROJECT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND ARE NOT PROVIDED BY THE CONTRACTOR, THE CONTRACTOR ASSUMES TOTAL RESPONSIBILITY FOR THE DESIGN AND ASSOCIATED WORK.
- 2.5 ENGINEER'S SHOP DRAWING REVIEW IS LIMITED TO REVIEW FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT REFLECTED IN THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE DRAWINGS, SPECIFICATIONS OR OTHER PROJECT CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED OR IMPLIED FOR THE CORRECTNESS OF DIMENSIONS OR DETAILS. THIS REVIEW DOES NOT AUTHORIZE CHANGES TO THE CONTRACT SUM UNLESS STATED IN A SEPARATE WRITTEN FORM OR CHANGE ORDER. CONTRACTOR SHALL CONFIRM AND CORRELATE ALL QUANTITIES AND DIMENSIONS. SELECT FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATE HIS WORK WITH THAT OF OTHER TRADES, AND PERFORM HIS WORK IN A SAFE AND SATISFACTORY MANNER. CONTRACTOR SHALL ALSO REFER TO THE REQUIREMENTS OF THE GENERAL AND SUPPLEMENTARY GENERAL CONDITIONS.
- 2.6 ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.
- 2.7 VERIFY ALL DIMENSIONS AND DETAILS SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES OR OMISSIONS FOUND SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER AND OTHER DESIGN PROFESSIONALS AS APPROPRIATE FOR RESOLUTION PRIOR TO PROCEEDING WITH ANY RELATED WORK.
- 2.8 THESE DRAWINGS DO NOT INCLUDE PROVISIONS TO SATISFY JOB SITE SAFETY REQUIREMENTS. CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING SAFETY DURING CONSTRUCTION, AND FOR CONFORMANCE TO ALL APPLICABLE OSHA STANDARDS. JOBSITE VISITS BY ENGINEER SHALL NOT CONSTITUTE APPROVAL, AWARENESS OR LIABILITY FOR ANY HAZARDOUS CONDITIONS.
- 2.9 STRUCTURAL DESIGN GROUP IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, SAFETY PROCEEDURES, CONSTRUCTION SUPERVISION OR SITE SAFETY, AND DOES NOT HAVE THE AUTHORITY TO STOP WORK FOR THESE ITEMS.

- 2.10 STRUCTURAL OBSERVATION IS VISUAL OBSERVATION OF THE IN PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION AND SHALL NOT BE CONSTRUED AS INSPECTION OR APPROVAL OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING TESTING AND SPECIAL INSPECTIONS PER THE REQUIREMENTS IN THE PROJECT MANUAL.
- 2.11 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR BRACING AND SHORING ALL EXCAVATIONS, Dewatering of excavation from either surface water, ground water or seepage, temporary and existing structures, and partially completed portions of the work to assure the safety of any person coming in contact with the work.
- 2.12 OBSERVATION BY THE ENGINEER OF RECORD'S OFFICE DOES NOT REPLACE INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.
- 2.13 ALL SUBMITTALS: IF THERE ARE QUESTIONS, CLARIFICATIONS, MODIFICATIONS, OR ITEMS WHERE INFORMATION, A RESPONSE, OR APPROVAL IS REQUESTED, SUCH ITEMS SHALL BE WRITTEN ON THE TRANSMITTAL OR COVER SHEET. INDICATING SUCH ITEMS ON THE SHOP DRAWINGS, WITHIN ANY CALCULATIONS, OR PRODUCT DATA IS NOT SUFFICIENT. WHERE SUCH ITEMS ARE NOT SPECIFICALLY LISTED ON THE TRANSMITTAL OR COVER SHEET IN ACCORDANCE WITH THESE GENERAL NOTES AND THE SPECIFICATIONS, SUCH ITEMS ARE NOT TO BE CONSIDERED APPROVED OR CONSIDERED. IF A QUESTION, CLARIFICATION, MODIFICATION, OR REQUEST FOR INFORMATION IS MADE AND NOT SPECIFICALLY RESPONDED TO BY STRUCTURAL DESIGN GROUP, NO APPROVAL OR CONSENT SHALL BE ASSUMED. THE CONTRACTOR SHALL ASSUME TOTAL LIABILITY AND RESPONSIBILITY IN ALL CASES WHERE SPECIFIC WRITTEN DESIGN FROM STRUCTURAL DESIGN GROUP IS NOT OBTAINED, REGARDLESS OF ANY OTHER ACTIONS TAKEN BY STRUCTURAL DESIGN GROUP.

3.0 FOUNDATIONS

- 3.1 GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY GMC, TITLED "MORGAN COUNTY EVENT CENTER PROJECT NO.GHUN240001" ALONG WITH ANY SUPPLEMENTAL CORRESPONDENCE. THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND FOLLOW ALL REQUIREMENTS AND RECOMMENDATIONS. GEOTECHNICAL RECOMMENDATIONS SHALL TAKE PRECEDENCE OVER THE ITEMS THAT FOLLOW IN THIS SECTION OF THE STRUCTURAL GENERAL NOTES.
- 3.2 MAXIMUM ALLOWABLE BEARING PRESSURE PER GEOTECHNICAL REPORT: 2000 PSF
- 3.3 ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO INSURE THEIR COMPLIANCE WITH PRESSURES NOTED. ALL FOOTING ELEVATIONS ARE ESTIMATED AND MAY BE ADJUSTED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.
- 3.4 SUBGRADE AND GRANULAR FILL SUPPORTING SLABS ON GRADE SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL REPORT AND COMPACTED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OR HIS APPROVED REPRESENTATIVE. SEE SPECIFICATIONS FOR VAPOR RETARDER BENEATH SLABS ON GRADE
- 3.5 GRANULAR FILL BENEATH SLABS, UNLESS NOTED OTHERWISE, SHALL BE 4" COMPACTED #57 STONE.
- 3.6 NO EXCAVATION SHALL BE CLOSER THAN AT A SLOPE OF 2:1 (TWO HORIZONTAL TO ONE VERTICAL) TO A FOOTING.
- 3.7 VAPOR RETARDER BENEATH SLABS ON GRADE, UNLESS NOTED, SHALL MEET ASTM E 1745, CLASS A, 15 MIL MINIMUM THICKNESS WITH MANUFACTURER'S RECOMMENDED ADHESIVE OR PRESSURE-SENSITIVE TAPE AND PIPE BOOTS, SUCH AS W.R. MEADOWS INC. PRODUCT PERMINATOR 15.
- 3.8 PROVIDE A MINIMUM OF 4" OF #57 STONE GRANULAR FILL SUPPORTING SLABS ON GRADE. THE BUILDING FLOOR SLAB SUBGRADE SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OR HIS APPROVED REPRESENTATIVE. THE SUBGRADE SHALL BE INSTALLED TO A MINIMUM MODULUS OF SUBGRADE REACTION OF 100PSI. THE GEOTECHNICAL ENGINEER AND CONTRACTOR SHALL PERFORM EARTHWORK AS REQUIRED TO MEET THIS SPECIFICATION.

4.0 CONCRETE

- 4.1 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.
- 4.2 CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS (PSI), TYPE OF CONCRETE, MAXIMUM WATER/CEMENTITIOUS RATIO, AIR CONTENT, SLUMP, AND CONCRETE USE:
- | STRENGTH | TYPE | MAX W/C | AIR | SLUMP | USE |
|----------|------------|---------|------|----------|---------------------|
| 3000 | NORMAL WT. | 0.57 | ---- | 3" TO 5" | FOOTINGS |
| 3500 | NORMAL WT. | 0.50 | ---- | 3" TO 5" | SLABS ON GRADE |
| 3500 | LIGHT WT. | 0.50 | ---- | 3" TO 5" | SLABS ON METAL DECK |
| 4000 | NORMAL WT. | 0.45 | 4-6% | 3" TO 5" | UNLESS NOTED |
- A. CONCRETE MIX DESIGN SHALL BE WORKABLE WITH LOWEST TOTAL WATER PER CUBIC YARD USING LARGEST PRACTICAL MAXIMUM SIZE OF COURSE AGGREGATE.
- 4.3 REINFORCING BARS: ASTM A615 GRADE 60.
- 4.4 WATERSTOPS: FLEXIBLE PVC WATERSTOPS, CE CRD-C 572, UNLESS NOTED OTHERWISE, WITH FACTORY-INSTALLED METAL EYELETS, FOR EMBEDDING IN CONCRETE TO PREVENT PASSAGE OF FLUIDS THROUGH JOINTS. FACTORY FABRICATE CORNERS, INTERSECTIONS, AND DIRECTIONAL CHANGES. ACCEPTABLE MANUFACTURER IS THE GREENSTREAK GROUP, INC., 800-325-9504, OR EQUAL. PROFILE SHALL BE FLAT, DUMBELL WITH CENTER BULB WITH DIMENSIONS OF 6 INCHES BY 3/8 INCH THICK.
- A. FLEXIBLE WATERSTOP INSTALLATION: INSTALL IN CONSTRUCTION JOINTS AND AT OTHER JOINTS INDICATED TO FORM A CONTINUOUS DIAPHRAGM. INSTALL IN LONGEST LENGTHS PRACTICABLE. SUPPORT AND PROTECT EXPOSED WATERSTOPS DURING PROGRESS OF THE WORK.
- 4.5 REINFORCING STEEL SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.
- 4.6 REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS. WHERE CONCRETE IS SAND-BLASTED OR BUSH-HAMMERED, PROVIDE ACCESSORIES OF STAINLESS STEEL.
- 4.7 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315. REINFORCEMENT SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE ENGINEER.
- 4.8 ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPlice, UNLESS NOTED.
- 4.9 ALL REINFORCING MARKED "CONT." INDICATES REINFORCING SHALL BE "CONTINUOUS" SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPlice, UNLESS NOTED.
- 4.10 PROVIDE CORNER BARS AT ALL CORNERS OF CONTINUOUS REINFORCING IN FOOTINGS, SLABS, OR WALLS. CORNER BARS SHALL BE LONG ENOUGH TO PROVIDE A CLASS "B" LAP SPlice OF REINFORCING BARS.
- 4.11 CONCRETE COVERAGE OF REINFORCEMENT, UNLESS NOTED:
- | | |
|---|--------|
| FOOTINGS----- | 2" |
| TOP & 3" BOTTOM & SIDES | |
| PEDESTALS----- | 1-1/2" |
| CLEAR OF TIES | |
| SLAB FACES NOT EXPOSED TO WEATHER OR EARTH----- | 3/4" |
| SLAB FACES EXPOSED TO WEATHER | |
| A. #5 AND LESS----- | 1-1/2" |
| B. #6 AND GREATER----- | 2" |
- NOTE: SLAB ON GRADE WWR OR REINFORCEMENT EACH WAY SHALL BE 2" CLEAR FROM TOP OF SLAB. SEE EARTH SUPPORTED SLABS SECTION BELOW.
- 4.12 PEDESTAL, COLUMN AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF THE SAME SIZE AND SPACING AS VERTICAL REINFORCING.
- 4.13 WELDED WIRE REINFORCEMENT (WWR): ASTM A185. MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2 INCHES OR 6 INCHES.
- 4.14 EARTH SUPPORTED SLABS:
- 4" THICK (UNLESS NOTED), REINFORCED WITH 6X6 W2.9/W2.9 WWR FLAT SHEETS SUPPORTED 2" CLEAR OF TOP OF SLAB, UNLESS NOTED. WWR TO BE CHAINED AT 6 INCHES EACH WAY MINIMUM. SEE FOUNDATION NOTES FOR SUBGRADE REQUIREMENTS.
- 4.15 CAST IN PLACE ALL SLEEVES AND INSERTS.

GENERAL NOTES

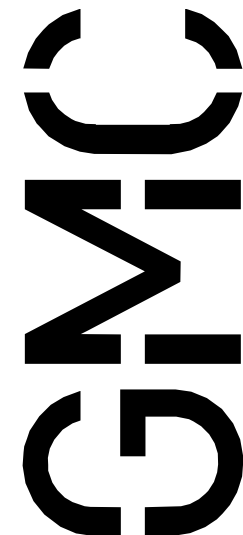
5.0 STRUCTURAL STEEL

- 5.1 FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- 5.2 THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE.
- 5.3 STRUCTURAL STEEL: ASTM A992 FOR WIDE FLANGE BEAMS AND COLUMNS; ASTM A36 FOR CHANNELS, STEEL PLATES, CONNECTION PLATES, COLUMN CAP PLATES, BEAM CONNECTION PLATES AND STEEL ANGLES.
- 5.4 HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A500, GRADE B.
- 5.5 WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16". WELDING QUALIFICATION, PROCEDURES AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.3, THE STRUCTURAL WELDING CODE - STEEL.
- 5.6 THREADED AND PLAIN STEEL RODS: ASTM A36
- 5.7 ANCHOR RODS: ASTM F1554 GRADE 36 ANCHOR AND HEAVY HEX NUT OR ASTM F1554 GRADE 55 ANCHOR AND HEAVY HEX NUT WITH SUPPLEMENTARY REQUIREMENT S1, UNLESS OTHERWISE INDICATED.
- 5.8 HEADED STUDS: TYPE B SHEAR STUD CONNECTORS MADE FROM ASTM A108, GRADE 1015 OR 1020, COLD-FINISHED CARBON, AND COMPLYING WITH AWS D1.1.
- 5.9 CONNECTIONS:
- A. BEARING TYPE A325-N IN ACCORDANCE WITH RCSC (LRFD OR ASD VERSION). "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". BOLTS THROUGH 4" WIDE BEAM FLANGES SHALL BE 5/8" DIAMETER. OTHER BOLTS SHALL BE 3/4" DIAMETER.
- B. USE SNUG TIGHT BEARING CONNECTIONS FOR ALL BOLTED CONNECTIONS.
- C. BOLTS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT BOLTS MAY BE USED. ACTUAL NUMBER, UNLESS SPECIFIED, TO BE IN ACCORDANCE WITH AISC.
- D. ALL STRUCTURAL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE DESIGNED TO RESIST FORCES INDICATED, BY THE CONTRACTOR.
1. WHERE BEAM REACTIONS ARE SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL DEVELOP THE REACTIONS SHOWN. WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING AND DETAILING THE CONNECTION.
2. WHERE BEAM REACTIONS OR DESIGN FORCES ARE NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL CONTACT STRUCTURAL DESIGN GROUP FOR DIRECTION.
- E. DESIGN CALCULATIONS FOR THE CONNECTIONS DESIGNED BY THE CONTRACTOR SHALL BE SUBMITTED FOR THE FILES OF THE ARCHITECT AND ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. SHOP DRAWINGS CONTAINING CONNECTIONS FOR WHICH CALCULATIONS HAVE NOT BEEN RECEIVED WILL BE RETURNED UNCHECKED AS AN INCOMPLETE SUBMITTAL.
- 5.10 ALL STRUCTURAL STEEL, INCLUDING EXPOSED BOLTS, NUTS, WASHERS OR ANCHOR RODS, EXPOSED TO WEATHER IN THE FINAL CONFIGURATION OF THE STRUCTURE SHALL BE HOT-DIP GALVANIZED, UNLESS NOTED, PER ASTM A 123/A 123M. VENT HOLES SHALL BE FILLED AND GROUND SMOOTH AFTER GALVANIZING. DAMAGE TO GALVANIZING SHALL BE PAINTED WITH GALVANIZING REPAIR PAINT, SSPC-PAINT 20. SEE 05120 SPECIFICATION FOR PAINT REQUIREMENTS FOR STEEL THAT IS GALVANIZED AND PAINTED.
- 5.11 ALL STEEL EXPOSED TO WEATHER, INCLUDING STEEL LINTELS FOR MASONRY OPENINGS, EXCEPT WHERE FABRICATED OF APPROVED CORROSION-RESISTANT STEEL OR OF STEEL HAVING A CORROSION RESISTANT OR OTHER APPROVED COATING, SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL, OR OTHER APPROVED PROTECTION.
- 5.12 STEEL STAIRS AND ASSOCIATED EMBEDS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE DESIGNED TO RESIST THE PROJECT DESIGN LOADS INDICATED ABOVE, BY THE CONTRACTOR, UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. STAIRS SHALL BE DESIGNED IN ACCORDANCE WITH THE NAIMM STEEL STAIR MANUAL AND AISC, AND AS LISTED BELOW. CALCULATIONS SHALL BEAR THE SEAL OF THE PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED AND SHALL BE INCLUDED WITH THE STAIR SHOP DRAWINGS.
- A. STAIR FRAMING SHALL BE CAPABLE OF WITHSTANDING STRESSES RESULTING FROM RAILING LOADS IN ADDITION TO LOADS SPECIFIED ABOVE.
- B. LIMIT DEFLECTION OF TREADS, PLATFORMS, AND FRAMING MEMBERS TO L/360 OR 1/4 INCH, WHICHEVER IS LESS.
- C. DESIGN OF STAIR FRAMING SHALL ALSO COMPLY WITH AISC'S "STEEL DESIGN GUIDE SERIES 11: FLOOR VIBRATIONS DUE TO HUMAN ACTIVITY."
- 5.13 ALL HANDRAILS, GUARDRAILS, AND EMBEDS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE DESIGNED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE NOTED ABOVE, BY THE CONTRACTOR, UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. CALCULATIONS SHALL BEAR THE SEAL OF THE PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED AND SHALL BE SUBMITTED FOR THE FILES OF THE ARCHITECT AND SHALL BE INCLUDED WITH THE SHOP DRAWINGS.
- 5.14 PROVIDE 3/4" THICK CLOSURE PLATES ON THE ENDS OF TUBE STEEL BEAMS. SHOP WELD TO BEAM WITH 3/4" PARTIAL PENETRATION WELDS ALL AROUND.

6.0 STEEL DECK

- 6.1 DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE.
- 6.2 DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS. WHERE SPANS LESS THAN THREE SPANS ARE REQUIRED, THEY SHOULD BE CLEARLY MARKED ON THE SHOP DRAWINGS.
- 6.3 COMPOSITE FLOOR DECK:
- A. 3" THICK CONCRETE SLAB ON STEEL COMPOSITE FLOOR DECK. DECK SHALL CONFORM TO 3" VLI, 18 GAGE, GALVANIZED, AS MANUFACTURED BY VULCRAFT OR APPROVED EQUAL.
- B. REINFORCE SLAB WITH 6X6 W1.4/W1.4 WWR SUPPORTED BY "UPPER CONTINUOUS HIGH CHAIRS" OVER BEAMS AND GIRDERS TO MAINTAIN 1" COVERAGE OF WWR. AT BEAMS AND GIRDERS ADDITIONAL REBAR IS REQUIRED. SEE TYPICAL DETAIL FOR MORE INFORMATION.
- C. DECK SHALL BE WELDED TO SUPPORTS WITH A 5/8" DIAMETER PUDDLE WELD OR EQUIVALENT AT ALL EDGE RIBS PLUS A SUFFICIENT NUMBER OF INTERIOR RIBS TO PROVIDE A MAXIMUM AVERAGE SPACING OF 12 INCHES ON CENTER. THE MAXIMUM SPACING BETWEEN ADJACENT POINTS OF ATTACHMENT SHALL NOT EXCEED 18 INCHES.
- D. IF STUDS ARE BEING APPLIED THROUGH THE DECK ONTO STRUCTURAL STEEL, THE STUD WELDS CAN BE USED TO REPLACE THE PUDDLE WELDS ON A ONE-FOR-ONE BASIS.
- E. DECK UNITS WITH SPANS GREATER THAN FIVE FEET SHALL HAVE SIDE LAPS AND PERIMETER EDGES FASTENED AT MIDSPAN OR 36" O.C. - WHICHEVER IS SMALLER.
- F. IF A BENT PLATE OR EDGE ANGLE IS PROVIDED ON TOP OF THE SUPPORTING BEAM, IT IS NOT ACCEPTABLE TO WELD HEADED STUDS TO THE BENT PLATE OR EDGE ANGLE. STUDS MUST BE WELDED DIRECTLY TO THE SUPPORTING BEAM FLANGE.
- 6.4 SHEAR CONNECTORS: 3/4" DIAMETER, 4 1/2 LONG (AFTER WELDING), HEADED STUDS ASTM A108. SPACE UNIFORMLY ALONG MEMBER WHERE SINGLE VALUE IS GIVEN. SPACE UNIFORMLY ALONG PART OF MEMBER BETWEEN SUPPORTED BEAMS, OR COLUMN AND BEAM, WHERE MORE THAN ONE VALUE IS GIVEN. MAXIMUM CONNECTOR SPACING IS 24". MINIMUM SPACING OF SHEAR CONNECTORS SHALL BE 3" PERPENDICULAR TO BEAM AND 4-1/2" PARALLEL TO BEAM.
- 6.5 WELDED CONNECTIONS: E60XX ELECTRODES: WELDING QUALIFICATION, PROCEDURES AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.3, THE STRUCTURAL WELDING CODE - SHEET STEEL.

- 6.6 NO CONDUIT OR PIPE SHALL BE CAST IN THE SLAB ON GRADE OR SLAB ON METAL DECK WITHOUT THE WRITTEN APPROVAL OF STRUCTURAL DESIGN GROUP. CONDUIT SHALL NOT BE PLACED IN SLABS REQUIRING A FIRE RESISTANCE RATING OR UL RATING.
- 6.7 COLD-FORMED STEEL FRAMING, SUSPENDED CEILINGS, LIGHT FIXTURES, DUCTS, PIPING OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE STEEL ROOF DECK.
- 7.0 PREFABRICATED METAL BUILDING
- 7.1 METAL BUILDING MANUFACTURER SHALL BE A MEMBER OF MBMA (METAL BUILDING MANUFACTURERS ASSOCIATION) WHO HAS MET THE REQUIREMENTS OF AC472, IAS ACCREDITATION CRITERIA FOR INSPECTION PROGRAMS FOR MANUFACTURERS OF METAL BUILDING SYSTEMS, PART C- DESIGN OF METAL BUILDINGS SYSTEMS AND THE IN-PLANT INSPECTION PROGRAM IS TO BE IN COMPLIANCE WITH SECTION 1704.2.2 OF THE INTERNATIONAL BUILDING CODE.
- 7.2 METAL BUILDING SHALL BE DESIGNED IN ACCORDANCE WITH THE METAL BUILDING MANUFACTURERS ASSOCIATION'S (MBMA) 2018 METAL BUILDING SYSTEMS MANUAL. METAL BUILDING LIVE LOADS AND LATERAL LOADS TO MEET THE GENERAL BUILDING CODE NOTED ABOVE.
- 7.3 COLLATERAL LOADS FROM COMPONENTS SUPPORTED ON OR SUSPENDED FROM THE ROOF STRUCTURE SHALL BE INCLUDED IN THE DESIGN OF THE METAL BUILDING. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF SUSPENDED CEILING. SEE STRUCTURAL AND MECHANICAL DRAWINGS FOR LOCATION AND MAGNITUDE OF SUPPORTED EQUIPMENT. SEE SPECIFICATIONS FOR MAGNITUDE OF MINIMUM DESIGN COLLATERAL LOADS.
- 7.4 ANCHOR ROD SIZE, TOTAL LENGTH, AND LOCATION BY METAL BUILDING SUPPLIER. FOR ANCHOR ROD EMBEDMENT LENGTH, SEE SHEET S1.2. ANCHOR RODS PURCHASED AND INSTALLED BY GENERAL CONTRACTOR.
- 7.5 BEFORE FOOTING INSTALLATION, THE ANCHOR ROD EMBEDMENT LENGTHS MUST BE VERIFIED. THE FOOTING DEPTH SHALL BE THE SCHEDULED DEPTH OR THE ANCHOR ROD EMBEDMENT LENGTH PLUS 3 INCHES, WHICHEVER IS GREATER.
- 7.6 HORIZONTAL FORCE TRANSFER FROM METAL BUILDING COLUMN BASE TO CONCRETE SHALL BE BY THE METAL BUILDING SUPPLIER.
- 7.7 METAL BUILDING SUPPLIER TO VERIFY COLUMN LAYOUT. ANY CHANGES MUST BE SUBMITTED FOR REVIEW OF FOUNDATION DESIGN BEFORE CONSTRUCTION STARTS.
- 7.8 GRAVITY DESIGN LOADS:
LIVE LOAD: 20 PSF (REDUCIBLE AT RIGID FRAME RAFTERS AND COLUMNS ONLY)
DEAD LOAD: WEIGHT OF STRUCTURE
COLLATERAL LOAD: INCLUDE ADDITIONAL DEAD LOADS OTHER THAN THE WEIGHT OF THE STRUCTURE FOR PERMANENT ITEMS, SUCH AS SPRINKLERS, MECHANICAL SYSTEMS, ELECTRICAL SYSTEMS, CEILINGS, LIGHTS, DUCTS, KITCHEN HOODS, OPERABLE WALLS, ETC BUT NOT LESS THAN 10 PSF.
- 7.9 DEFLECTION LIMITS FOR MEMBERS:
PURLINS AND RAFTERS: DL L/360 LL L/360 TL L/240
GIRTS: HORIZONTAL DEFLECTION OF L/600
OVERALL BUILDING DRIFT: H/600 (BRICK WRAPPED) ELSE H/300,
WHERE "H" IS THE BUILDING EAVE HEIGHT.
- 7.10 ROOF PURLINS MUST BE CAPABLE OF RESISTING NET WIND PRESSURES (IN OR OUT) ASSUMING INTERIOR FLANGE UNBRACED EXCEPT WHERE FLANGE BRACING IS PROVIDED.
- 7.11 THE METAL BUILDING MANUFACTURER WILL BE RESPONSIBLE FOR COMPLETE DESIGN OF THE BUILDING STRUCTURAL FRAME (INCLUDING LATERAL LOADS) DOWN TO THE FOUNDATION. THE DESIGN SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- 7.12 BEFORE FABRICATION AND INSTALLATION OF FOUNDATIONS, METAL BUILDING SUPPLIER SHALL SUBMIT DESIGN LOADS AND COLUMN REACTIONS TO THE ARCHITECT/ENGINEER FOR REVIEW. THE CURRENT FOUNDATION DESIGN HAS BEEN BASED ON ASSUMED VALUES. THE FOOTING SIZES ARE NOT FINAL UNTIL METAL BUILDING REACTIONS HAVE BEEN PROVIDED AND REVIEWED. DO NOT FABRICATE REINFORCING STEEL OR INSTALL FOOTINGS PRIOR TO REVIEW OF METAL BUILDING SHOP DRAWINGS BY THIS OFFICE.
- 7.13 METAL BUILDING DESIGN CALCULATIONS' COVER SHEET AND ALL METAL BUILDING SHOP DRAWINGS AND ERECTION DRAWINGS SHALL BE SEALED AND SIGNED BY THE MANUFACTURER'S PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- 7.14 ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS TO THE METAL BUILDING SHALL BE DESIGNED BY THE METAL BUILDING SUPPLIER TO RESIST THE FORCES INDICATED ON THE DRAWINGS. CALCULATIONS FOR THESE CONNECTIONS STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW.
- 7.15 BLOCK MASONRY WALLS ON COLUMN LINES SHALL NOT BE CONSIDERED AS SHEAR WALLS FOR BUILDING STABILITY. FOR COLUMN DESIGN, ASSUME COLUMN UNBRACED LENGTH AS INDEPENDENT OF MASONRY WALL.
- 7.16 ALL COLUMNS SHALL BE ANALYZED AND DESIGNED AS HAVING PINNED BASES.
- 7.17 EXCEPT AS OTHERWISE APPROVED BY ARCHITECT, STRUCTURAL CLEARANCES SHALL BE MAINTAINED AS CURRENTLY INDICATED IN THE CONTRACT DOCUMENTS.
- 7.18 STANDING SEAM STEEL DECK SHALL NOT BE CONSIDERED AS PROVIDING DIAPHRAGM RESISTANCE FOR LATERAL WIND LOADS.
- 7.19 METAL BUILDING ENGINEER SHALL VISIT THE JOB SITE AT LEAST ONCE EVERY TWO WEEKS DURING ERECTION TO OBSERVE INSTALLATION OF METAL BUILDING FRAMING AND ISSUE REPORTS TO ARCHITECT/ENGINEER.
- 7.20 ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS ARE SUBJECT TO APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. ALL DEVIATIONS SHALL BE EXPRESSLY LISTED AND DEFINED IN THE SHOP DRAWING SUBMITTAL. ARCHITECT AND STRUCTURAL ENGINEER ARE NOT RESPONSIBLE FOR DISCOVERY OF DEVIATIONS NOT LISTED, AND APPROVAL OF UNLISTED DEVIATIONS SHALL NOT BE IMPLIED.
- 8.0 MASONRY
- 8.1 MASONRY CONSTRUCTION SHALL CONFORM TO TMS 602-16 SPECIFICATION.
- 8.2 ALL MASONRY MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA) AND NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) AND MINIMUM REQUIREMENTS ESTABLISHED BY THE LOCAL BUILDING CODE.
- 8.3 MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNIT (F'm) SHALL BE 2000 PSI AT 28 DAYS.
- 8.4 NET COMPRESSIVE STRENGTH FOR EACH CMU UNIT SHALL MEET OR EXCEED 2000 PSI AT 28 DAYS. FOR TYPE M MORTAR, NET COMPRESSIVE STRENGTH FOR BLOCK SHALL BE GREATER THAN 2650 PSI.
- 8.5 GROUT COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS. GROUT SHALL ADDITIONALLY COMPLY WITH ASTM C602 FOR DIMENSIONS OF GROUT TIE BARS, SPACES AND POUR HEIGHTS. COURSE GROUT SHALL BE USED WHERE POSSIBLE.
- 8.6 ALL MASONRY SHALL BE NORMAL WEIGHT IN ACCORDANCE WITH ASTM C90.
- 8.7 MORTAR SHALL BE TYPE S OR M. TYPE N MORTAR ALLOWED ONLY IF THE CMU NET COMPRESSIVE STRENGTH IS GREATER THAN 2650 PSI.
- 8.8 ALL MASONRY SHALL BE RUNNING BOND, UNLESS NOTED.
- 8.9 ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.
- 8.10 MASONRY REINFORCING LAP SPlice LENGTHS PER SCHEDULE, SEE MASONRY LAP SPlice LENGTHS TYPICAL DETAIL.
- 8.11 THE CONTRACTOR SHALL PROVIDE DETAILED SHOP DRAWINGS OF THE CMU REINFORCEMENT.
- A. SHOP DRAWINGS SHALL INCLUDE AN ELEVATION VIEW OF EACH REINFORCED WALL WITH ALL VERTICAL AND HORIZONTAL REINFORCING AS WELL AS WALL OPENINGS/PENETRATIONS SHOWN. REINFORCING SHOP DRAWINGS NOT CONTAINING THESE ELEVATION DRAWINGS WILL BE RETURNED AS AN INCOMPLETE SUBMITTAL.
- 8.12 MODIFY CMU BLOCKS AS REQUIRED TO INSTALL REINFORCING AS NOTED/SHOWN.



Goodwyn Mills Cawood, LLC
117 Jefferson Street North
Huntsville, AL 35801
T 256.539.3431
GMCNETWORK.COM

Morgan County,
Alabama



| ISSUE | DATE |
|----------------|------------|
| ISSUED FOR BID | 02/16/24 |
| ADDENDUM | 2 03/15/24 |
| 1 | |
| DRAWN BY: | SPH |
| CHECKED BY: | TTF |

MORGAN COUNTY EVENT CENTER
382 UNION HILL RD
LACEYS SPRING, ALABAMA 35754



02/16/2024

GENERAL NOTES

\$1.00

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| | ISSUE | DATE |
| | ISSUED FOR BID | 2.16.24 |
| 2 | ADDENDUM | 2 3.15.24 |
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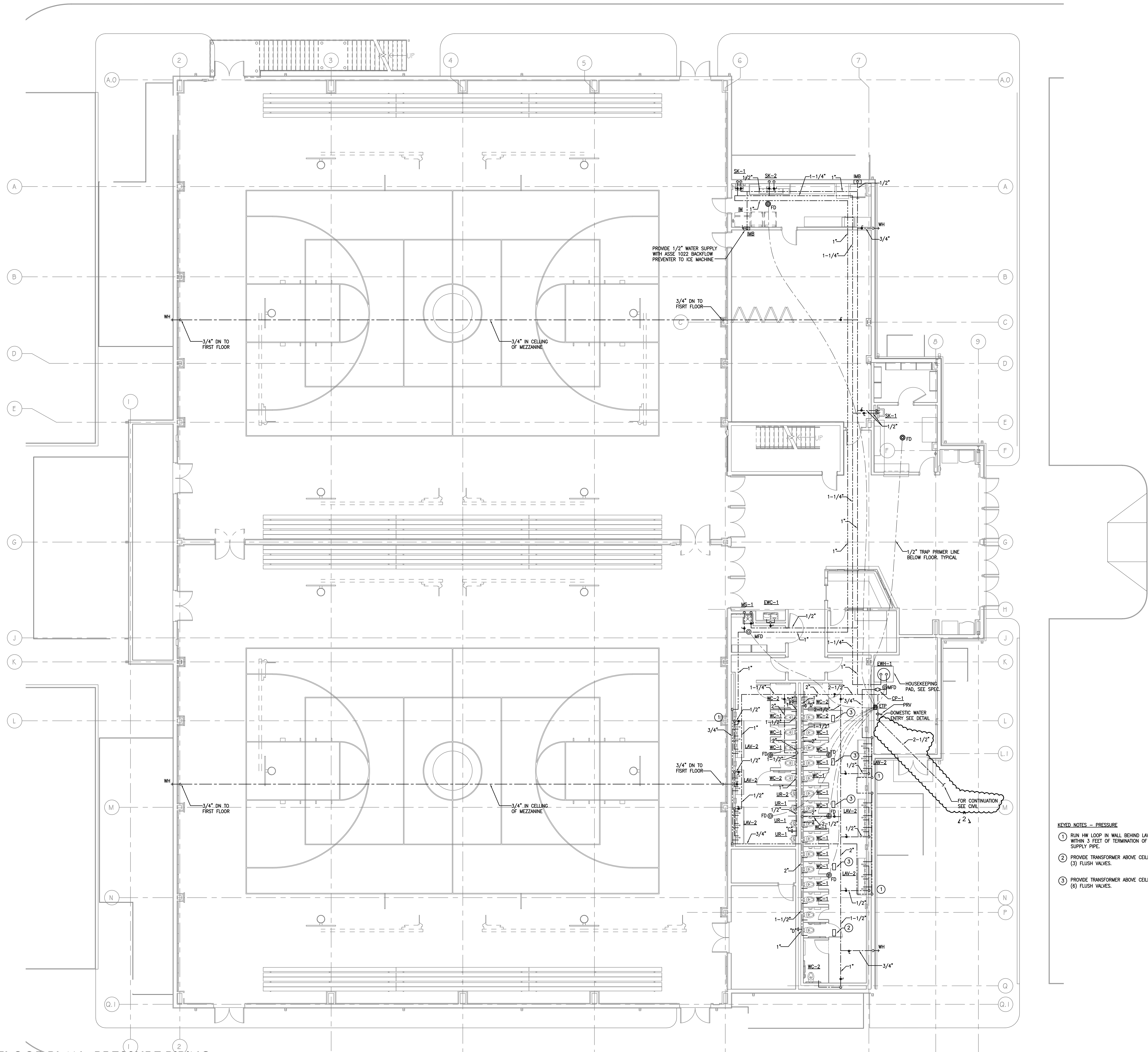
MORGAN COUNTY EVENT CENTER
382 UNION HILL RD
LACEYS SPRING, ALABAMA 35754

ALABAMA
No. 14178
PROFESSIONAL
ENGINEER
JAMES S. DAVIS, JR.

2/16/24 223184

FIRST FLOOR PLAN- PRESSURE PIPING

p2.01



KEYED NOTES – PRESSURE

- ① RUN HW LOOP IN WALL BEHIND LAVATORY TO WITHIN 3 FEET OF TERMINATION OF FIXTURE SUPPLY PIPE.
- ② PROVIDE TRANSFORMER ABOVE CEILING FOR (3) FLUSH VALVES.
- ③ PROVIDE TRANSFORMER ABOVE CEILING FOR (6) FLUSH VALVES.

SECTION 00 2113
INSTRUCTIONS TO BIDDERS

SUMMARY

1.01 RELATED DOCUMENTS

- A. Document 01 1000 - Summary.
- B. Document 00 1113 - Advertisement for Bids.
- C. Document 00 3100 - Available Project Information.
- D. Document 00 4100 - Bid Form.
- E. Document 00 4110 - Attachment A to Proposal Form - Unit Prices
- F. Document 00 4120 - Attachment B to Proposal Form - Subcontractor Listings
- G. Document 00 4130 - Attachment C to Proposal Form - Accounting for Sales Tax
- H. Document 00 4373 - Proposed Schedule of Values Form.
- I. Document 00 7300 - Supplementary Conditions:

BID DOCUMENTS AND CONTRACT DOCUMENTS

2.01 DEFINITIONS

- A. Bid Documents: Contract Documents supplemented with Invitation To Bid, Instructions to Bidders, Information Available to Bidders, Bid Form Supplements To Bid Forms and Appendices identified.

2.02 CONTRACT DOCUMENTS IDENTIFICATION

- A. The Contract Documents are identified as Project Number AHUN230008, as prepared by Architect, and with contents as identified in the Table of Contents.

2.03 AVAILABILITY

- A. Bid documents (**Plans, Specifications, and Addenda**) will be available to General Contractors only, from the Architect electronically with no deposit. General Contractors should contact **Shannon Lusk** via phone (256) 230-0008 or e-mail shannon.lusk@gmcnetwork.com to request electronic documents. Subcontractors should contact a General Contractor or plan room for documents.

2.04 EXAMINATION

- A. Bid Documents may be viewed at the office of Owner.
- B. Bid Documents are on display at the offices of the following construction plan rooms:
- C. Upon receipt of Bid Documents verify that documents are complete. Notify Architect should the documents be incomplete.
- D. Immediately notify Architect upon finding discrepancies or omissions in the Bid Documents.

2.05 INQUIRIES/ADDENDA

- A. Direct questions to Shannon Lusk using 01 3010 RFI Form included in the Project Manual, email; shannon.lusk@gmcnetwork.com.
- B. Addenda may be issued during the bidding period. All Addenda become part of the Contract Documents. Include resultant costs in the Bid Amount.
- C. Verbal answers are not binding on any party.

- D. Clarifications requested by bidders must be in writing not less than 3 days before date set for receipt of bids. The reply will be in the form of an Addendum, a copy of which will be forwarded to known recipients and Plan Rooms.

2.06 PRODUCT/ASSEMBLY/SYSTEM SUBSTITUTIONS

- A. Where the Bid Documents stipulate a particular product, substitutions will be considered up to 5 days before receipt of bids.
- B. All request for substitutions must be submitted by a General Contractor listed as a Registered Plan Holder.
- C. All request for substitutions from General Contractors must be submitted on 01 6050 SUBSTITUTION REQUEST form provided in Project Manual.
 - 1. Any Substitution Request not submitted on 01 6050 SUBSTITUTION REQUEST form or submitted by entities other than Registered General Contractors will not be reviewed or considered.
- D. When a request to substitute a product is made, Architect may approve the substitution and will issue an Addendum to known bidders.
- E. The submission shall provide sufficient information to determine acceptability of such products.
- F. Provide complete information on required revisions to other work to accommodate each proposed substitution.
- G. Provide products as specified unless substitutions are submitted in this manner and accepted.
- H. See Section 01 6000 - Product Requirements for additional requirements.

SITE ASSESSMENT

3.01 SITE EXAMINATION

- A. Examine the project site before submitting a bid.

3.02 PREBID CONFERENCE

- A. A bidders conference has been scheduled for 11:00 a.m. on the 7th day of March, 2024 at the location of bid opening.
- B. All general contract bidders and suppliers are invited.
- C. Representatives of Architect will be in attendance.
- D. Information relevant to the Bid Documents will be recorded in an Addendum, issued to Bid Document recipients.

BID SUBMISSION

4.01 SUBMISSION PROCEDURE

- A. Bidders shall be solely responsible for the delivery of their bids in the manner and time prescribed.
- B. Submit one copy of the executed offer on the Bid Forms provided, signed and sealed with the required security in a closed opaque envelope, clearly identified with bidder's name, project name and Owner's name on the outside.
- C. Improperly completed information, irregularities in security deposit, may be cause not to open the Bid Form envelope and declare the bid invalid or informal.

4.02 BID INELIGIBILITY

- A. Bids that are unsigned, improperly signed or sealed, conditional, illegible, obscure, contain arithmetical errors, erasures, alterations, or irregularities of any kind, may at the discretion of the Owner, be declared unacceptable.
- B. Bid Forms, Appendices, and enclosures that are improperly prepared may, at the discretion of Owner, be declared unacceptable.
- C. Failure to provide security deposit, bonding or insurance requirements may, at the discretion of Owner, be waived.
- D. Bids are by invitation, only from selected bidders. Bids from unsolicited bidders may be returned.

BID ENCLOSURES/REQUIREMENTS

5.01 SECURITY DEPOSIT

- A. Bids shall be accompanied by a security deposit as follows:
 - 1. Bid Bond of a sum no less than 10 percent of the Bid Amount on AIA A310 Bid Bond Form.
 - 2. Certified check in the amount of a sum no less than 10 percent of the Bid Amount, but in no case not more than \$10,000.00.
- B. The security deposit will be returned after delivery to the Owner of the required Performance and Payment Bond(s) by the accepted bidder.
- C. Include the cost of bid security in the Bid Amount.
- D. If no contract is awarded, all security deposits will be returned.

5.02 PERFORMANCE ASSURANCE

- A. Accepted Bidder: Provide a Performance bond as described in 00 7300 - Supplementary Conditions.
- B. Include the cost of performance assurance bonds in the Bid Amount.

5.03 BID FORM REQUIREMENTS

- A. Complete all requested information in the Bid Form and Appendices.

5.04 SALES AND USE TAXES

- A. Project is not subject to sales tax and Bidders must include a completed 00 4130 Attachment C to Bid Proposal - Accounting for Sales Tax.

5.05 BID FORM SIGNATURE

- A. The Bid Form shall be signed by the bidder, as follows:
 - 1. Sole Proprietorship: Signature of sole proprietor in the presence of a witness who will also sign. Insert the words "Sole Proprietor" under the signature. Affix seal.
 - 2. Partnership: Signature of all partners in the presence of a witness who will also sign. Insert the word "Partner" under each signature. Affix seal to each signature.
 - 3. Corporation: Signature of a duly authorized signing officer(s) in their normal signatures. Insert the officer's capacity in which the signing officer acts, under each signature. Affix the corporate seal. If the bid is signed by officials other than the president and secretary of the company, or the president/secretary/treasurer of the company, a copy of the

by-law resolution of their board of directors authorizing them to do so, must also be submitted with the Bid Form in the bid envelope.

OFFER ACCEPTANCE/REJECTION

6.01 DURATION OF OFFER

- A. Bids shall remain open to acceptance and shall be irrevocable for a period of thirty (30) days after the bid closing date.

6.02 ACCEPTANCE OF OFFER

- A. Owner reserves the right to accept or reject any or all offers.
- B. After acceptance by Owner, Architect on behalf of Owner, will issue to the successful bidder, a written letter of Contract Award.

END OF SECTION

SECTION 126613
TELESCOPING BLEACHERS

1.1 WORK INCLUDED

- A. Manufacture, deliver and install Telescopic Seating Systems in accordance with applicable codes, the following specifications, and approved drawings.

1.2 RELATED WORK BY OTHERS

- A. Adequate floor levelness and strength for operation of telescopic seating.
- B. Adequate wall strength for attachment and operation of wall attached telescopic seating.
- C. Electrical wiring within the building as required for power operated telescopic seating.

1.3 SYSTEM DESCRIPTION

- A. Telescopic seating system shall be multiple tiered seating rows comprised of seat and deck components, risers, and supportive understructure.
- B. Telescopic seating shall be operable on the telescopic principle, stacking vertically in minimum floor area when not in use.
- C. The first moving row, on manual sections, shall be secured with release lever. All other rows shall be mechanically locked, operable only upon unlocking and cycling of first row. Power sections shall be secured with mechanical locks as well as the power system, operable upon activating the pendant control.

1.4 QUALITY ASSURANCE

- A. DESIGN LOAD CRITERIA (STRUCTURAL):
International Building Code Standard: Comply with requirements of IBC / ICC 300, Chapter 4 "Standard for Bleachers, Folding and Telescopic Seating and Grandstands Assembly Seating," except where other requirements are indicated by the architect/owner.
- B. Partial Loading Requirements: Telescopic seating governed by IBC 2018, ICC-300 2017, NFPA 102 2016 or NFPA 5000 2018 shall all comply with ASCE 2016, Section 4.3.3 Partial Loading.
- C. Manufacturer: Company specializing in telescopic seating with a minimum of 25 years' experience in manufacturing telescopic seating.
- D. Engineer Qualifications: Manufacturer to employ a registered, licensed Professional Engineer to certify that the equipment to be supplied meets or exceeds the design criteria of this specification.
- E. Installation: Shall be handled directly by the manufacturer or by a factory certified installation subcontractor.
- F. Product Liability: Certification of insurance coverage of not less than \$5,000,000.

- G. Welding Processes: To be performed by certified professional welding operators in accordance with American Welding Society – Certified Welding Fabricator, (AWS-CWF), D1.1 "Structural Welding Code-Steel."
- H. Product Improvements: Equipment provided shall incorporate manufacturer's design improvements and materials current at time of shipment, provided that such improvements and materials are consistent with the intent of these specifications.

1.5 SUBMITTALS

A. BID SUBMITTALS

- 1. Manufacturer's descriptive literature and specifications.
- 2. List of deviations from these specifications, if any.
- 3. Certification of Insurance.

B. JOB SUBMITTALS

- 1. Shop Drawings showing all equipment to be furnished with details of accessories to be supplied including necessary electrical service to be provided by others. All electrical submittals must include U.L. listing number.
- 2. Samples of material and color finish as requested by Architect.
- 3. Warranty, operation and maintenance instructions to the owner upon completion.

1.6 DESIGN CRITERIA

- A. Telescopic seating shall be designed to support, in addition to its own weight, and the weight of added accessories, a uniformly distributed live load of not less than 100 lbs. per sq. ft. (4.8 kN per sq. m.) of gross horizontal projection. Seat boards and footrest shall be designed for a live load of not less than 120 lbs. per linear foot (1.751 kN per linear m).
- B. Sway force applied to seats shall be 24 lbs. per linear ft. (350 N per linear m.) parallel to the seats and 10 lbs. per linear ft. (146 N per linear m.) perpendicular to the seats. Sway forces shall not be considered simultaneously applied.
- C. Railings, posts and sockets designed to withstand the following forces applied separately.
- D. Handrails shall be designed and constructed for:
 - 1. A concentrated load of 200 lbs. (890 N) applied at any point and in any direction.
 - 2. A uniform load of 50 lbs. per ft. (730 N/m) applied in any direction.The concentrated and uniform loading conditions shall not be required to be applied simultaneously.
- E. Guards shall be designed and constructed for:
 - 1. A concentrated load of 200 lbs. (890 N/m) applied at any point and in any direction along the top railing member and; a uniform load of 50 lbs. per ft. (730 N/m) applied horizontally at the required guardrail height and simultaneous uniform load of 100 lbs. per ft. (1460 N/m) applied vertically downward at the

top of the guardrail. The concentrated and uniform loading conditions shall not be required to be applied simultaneously.

- F. American Institute of Steel Construction (AISC), American Iron and Steel Institute (AISI) and Aluminum Association (AA) design criteria shall be the basis for calculation of member sizes and connections.
- G. Wood members shall be designed in accordance with National Forest Products Association, (NFOPA), and National Design Specification for Wood Construction.

1.7 WARRANTY

- A. The manufacturer shall warrant all work performed under these specifications to be free of defects for a period of one year.
- B. All understructure components shall be warranted for a period of ten years.
- C. Any materials found to be defective within this period will be replaced at no cost to the owner. This warranty shall not include replacements required by Acts of God, war, vandalism, flood, fire, calamity or deliberate abuse or misuse of the equipment.

2.1 ACCEPTABLE MANUFACTURERS

- A. BASIS OF DESIGN is: VersaTract Telescopic Seating System as manufactured by Irwin Seating Company - Telescopic Division, Altamont, IL 62411
- B. Other acceptable:
 - 1. Hussey Seating Company, www.husseyseating.com
Address: 38 Dyer Street Extension, North Berwick, Maine, 03906.
Telephone: (207) 676-2271; Fax: (207) 676-9690.
Product: MAXAM Telescopic Gym Seat System.
 - 2. Interkal LLC, www.interkal.com
Address: 5981 East Cork Street, Kalamazoo, MI 49048
Telephone: (269) 349-1521;
Product: CONTOUR (CSM) Seat Modules.
 - 3. Or equal, subject to prior approval and strict compliance with these specifications.

2.2 MATERIALS

- A. Seating Area: 4 Groups 83 Feet 1 Inches Long, 3 Rows High Wall Attached, Manually Operated. Groups with columns are fixed open, groups without columns are telescoping.
- B. Dimensions:
 - 1. Overall height: 2 Feet 6 Inches

2. Open depth: 5 Feet 9 1/8 Inches
3. Closed depth: 3 Feet 7 1/8 Inches
4. Row Spacing: 26 Inches
5. Rise per row: 10 Inches

2.3 FABRICATION

A. Understructure System:

1. Steel supports and rolling frames shall be constructed from formed steel of the size and shape necessary to support the design loads. All support bracing shall begin at Row 2 and be of diagonal or "knee" type for rigidity. Diagonal bracing to be minimum 1 1/2" x 1 1/2" 14-gauge square tubing. Bracing fabricated from open-sided channel, angle iron or flat strap "X" type bracing is unacceptable.
2. Wheels shall not be less than 5" diameter x 1 3/8" non-marring soft rubber face to protect wood or synthetic floor surfaces. Each operating row shall have a minimum of 6 wheels.
3. Each fully skirted wheel channel shall be formed 12-gauge steel and continuously in contact with adjacent channels by means of an Integral Alignment System (IAS) and include nylon glides to eliminate any metal to metal contact. The IAS maintains proper alignment between adjacent wheel channels for smooth and consistent operation while eliminating the potential for accidental row separation. Wheel channel alignment systems with metal to metal contact requiring periodic lubrication or that utilizes a guide rod system that can be bent or damaged will not be acceptable.
4. Each cantilever arm shall be triple-formed 10-gauge steel, securely welded to the post assembly and include a nylon cantilever pad to ensure smooth operation. The cantilever pad shall also provide a firm base when in the occupied position and provide a solid feel when walked on.
5. Vertical columns shall be high tensile steel structural tube to meet design criteria. Minimum column size to be 2" x 3" 14-gauge structural tube, welded to a 2' wide wheel channel using 360 degrees of weldment.
6. Deck support members shall be double formed 14-gauge steel and connect the front nosing and rear riser members. Each deck support shall include a unique dual-purpose roller that provides smooth support during operation. The deck support roller shall also include a 3/4" wide shoulder that's encapsulated by the deck support on the row above in order to maintain proper upper alignment while delivering consistent, repeatable operation.

B. Seat Systems:

1. Infinity Seat: Supply plastic modular 18" individual seats in either 10" or 12" deep models. Seating to be scuff resistant injection molded high density polyethylene plastic.

10" Infinity Seat to be supplied

- a. Seat modules supplied shall be of a high aesthetic design using multiple textures, style lines and a waterfall front. The rear of the seat shall be slightly curved to eliminate the straight line appearance and include a moderate seat contour and texture to enhance spectator comfort.
- b. Seating design shall be molded to achieve a finished end appearance without the use of end caps. The rear of the seat shall include a smooth wall allowing for the deck to be easily swept clean without obstruction.
- c. Seat heights shall be maintained at a minimum of 16 3/4". Lower seat heights which detour from spectator comfort will not be accepted.
- d. Foot space shall be maximized for spectator comfort and provide a minimum of 22" when measured with a 10" module and 21" with a 12" module.
- e. Each seat to be designed with the capability of using seat numbers and row letters at the aisle locations. Seat numbers to be stylishly designed using a radius corner to enhance the aesthetic value of the seat. Seat numbers and row letters shall be recessed into the seat to protect against any vandalism.
- f. Select seating colors from manufacturer's 15 standard colors. Custom colors available as an option.
- g. Securely fasten each seat to the nose beam using a 10-gauge formed steel bracket and locking hardware. Adjacent seating shall be interlocked together along the full perimeter eliminating any fore or aft movement or the potential of any pinching hazard.
- h. Seat modules shall be designed to support a uniform load of 600 lbs per seat and a concentrated load of 150 lbs over 4 square inches.

C. Deck System:

1. Panelam decking shall have a 0.030 (30 thousandths) high density polyethylene overlay, permanently bonded over a structural deck panel meeting all flooring load requirements. Deck panels shall be supported along the front and back edge for maximum rigidity and connected using a tongue and groove splice leaving the deck clean and free of any tripping or cleaning obstructions. Decking shall be secured in place by the encapsulation of the rear riser and mechanical fasteners along the front edge. Panelam to be selected from manufacturer's standard colors. Finish thickness to be 5/8".

D. Nosing: **(Select 1 or 2)**

1. Nosing shall be one piece, formed, 14-gauge steel with a minimum G-60 pre-galvanized finish.

E. Rear Risers: **(Select 1 or 2)**

1. Rear riser shall be one piece, formed, 14-gauge steel with a minimum G-60 pre-galvanized finish.

F. Finish: For rust resistance in standard conditions all painted surfaces shall be finished in textured Epoxy Powder Coated Semi-Gloss Black.

1.4 ACCESSORIES (Select as applicable)

A. Aisles shall be footrest level 54 inches wide to provide 3 aisles. Aisles at the footrest level shall include non-slip treads on the top front edge.

B. Intermediate aisle steps shall be provided. Steps are permanently attached closed design. Steps shall be constructed from 14 ga. steel, finished in a Black powder coated epoxy, and designed to eliminate any possible toe catch between the top of the intermediate step and the bottom of the nose beam per ADA or other applicable codes. Front step shall be removable and interlock to the front row eliminating any possibility of accidental disengagement, and store on the front row when not in use.

C. Aisle handrails.

1. Smart Rail aisle handrails shall be provided for 22" to 26" row spacing. Aisle railings shall quickly and easily rotate 90 degrees to the locked position and store parallel to the front of the aisle. Railings that require removal from the pocket or the use of tools for storage will not be acceptable. Aisle railings shall be an individual rail design, located on every other row starting at row two (2). Railing to be constructed of 1 1/2" 11 ga. round steel tubing, finished in a textured powder coated epoxy. For safety, railings designed without a full return of the handrail will not be acceptable.

D. Wheel Chair Seating Areas. **(Select 1, 2 or 3)**

1. Recoverable wheel chair spaces shall be provided at the section joint location or section length as shown on plans. An integral support on row two shall be provided to eliminate structural damage to the understructure during the operation and use of the system. Recoverable seating areas do not require front railings for support.

E. End rails. **(Select 1 or 2)**

1. End rails of the self-storing type, finished with textured epoxy powder-coated black enamel, shall be provided at the open ends of the group. End rails shall start at row three and be constructed from 1" square tubing to meet all national building codes. Railings with flexible uprights that can be expanded beyond the 4" sphere are not acceptable.

G. Vinyl end curtains shall be provided to limit unauthorized access to the underside of the telescopic system. Curtain to be one piece design shaped to follow the angle of the telescopic unit in the open position and constructed of a sturdy vinyl material with sewn-in grommets for attachment. Color to be selected from manufacturer's standard

selection.

- H. Seat level rear filler panels up to 21" deep used to close openings between top row seat and wall. Provide adequate support structure below the closure panel that will allow for spectators to safely stand in this area. Closure panel to match the deck surface.
- O. Portable operator handle with tug frames for use in assisting manually operated bleachers shall be supplied. "T" frame handle to allow two operators to open and close bleacher sections from a standing position.

3.1 REVIEWS AND APPROVALS

- A. Shop drawings shall be approved and job site field measurements taken prior to installation and telescopic gym seating shall be installed in conformance therewith.

3.2 INSTALLATION

- A. The installation of the telescopic gym seating will be handled directly by the manufacturer or by a factory authorized installation subcontractor qualified to perform the installation function.

3.3 PROTECTION

- A. The manufacturer's representative shall transmit instructions in both operation and maintenance to the owner.
- B. Maintenance and operation of the telescopic gym seating shall be the responsibility of the owner or his duly authorized representative, and shall include the following:
 - 1. During operation of the telescopic gym seating, the opening and closing shall be supervised by responsible personnel who will assure that the operation is in accordance with the manufacturer's instructions.
 - 2. Only attachments specifically approved by the manufacturer for the specific installation shall be attached to the telescopic gym seating.
 - 3. An annual inspection and required maintenance of all telescopic gym seating shall be performed to assure safe conditions. At least bi-annually, the inspection shall be performed by a Professional Engineer or factory service personnel.
- C. Irwin Telescopic Seating Company constantly strives to improve its product and manufacturing methods; therefore, it reserves the right to make changes without notice which, in the opinion of Irwin Seating Company, shall improve the product.

**SECTION 323123
PLASTIC FENCES AND GATES**

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

- A. Section 033000 - Cast-in-Place Concrete: Concrete anchorage for posts.
- B. Section 087100 - Door Hardware: Gate locking device.

1.02 PRICE AND PAYMENT PROCEDURES

- A. Allowances:
 - 1. See Section 012100 - Allowances for allowances affecting this section.
- B. Unit Prices:
 - 1. See Section 012200 - Unit Prices for additional unit price requirements.

1.03 REFERENCE STANDARDS

- A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.
- B. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2022.
- C. ASTM A767/A767M - Standard Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement; 2019.
- D. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2023.
- E. ASTM D1784 - Standard Classification System and Basis for Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds; 2020.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on fence panels, posts, accessories, fittings and hardware.
- C. Shop Drawings: Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, and schedule of components.
- D. Samples: Send Architect 4"x6" sample.
- E. Manufacturer's Installation Instructions: Indicate installation requirements, post foundation anchor bolt templates, and _____
- F. Manufacturer's qualification statement.
- G. Installer's qualification statement.
- H. Project Record Documents: Accurately record actual locations of property perimeter posts relative to property lines, easements, and Right-of-way..

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.
- B. Installer: Company with demonstrated successful experience installing similar projects and products, with not less than five years of documented experience.

1.06 WARRANTY

- A. See Section 017800 - Closeout Submittals for additional warranty requirements.
 - B. Manufacturer Warranty: Provide 2-year manufacturer warranty for for fabrication of all components. Complete forms in Owner's name and register with manufacturer.
 - C. Installer Warranty: Provide 2-year warranty for for installing of all items commencing on the Date of Substantial Completion. Complete forms in Owner's name and register with installer.
-

- D. Finish Warranty: Provide 5-year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking. Complete forms in Owner's name and register with warrantor.
- E. Extended Correction Period: Correct defective work within 2-year period commencing on Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Plastic Fences and Gates:
 - 1. BASIS OF DESIGN: Husker Vinyl Inc;6' Husker Semi-Privacy: www.huskervinyl.com/#sle.
 - 2. PlyGem; Product: Semi-Privacy: www.plygem.com/#sle.
 - 3. CertainTeed Corporation; BuffTech Vinyl - Chesterfield with CertaGrain: Product: Breezewood; www.certainteed.com/fence/#sle.
 - 4. Substitutions: See Section 016000 - Product Requirements.

2.02 PLASTIC FENCES AND GATES

- A. PVC Posts, Rails, and Pickets: High-impact, UV-resistant, rigid polyvinyl chloride, complying with ASTM D1784, Class 14344B.
 - 1. Products:
 - a. BASIS OF DESIGN: Husker Vinyl Inc;6' Husker Semi-Privacy: www.huskervinyl.com/#sle.
 - b. CertainTeed Corporation; BuffTech Vinyl - Chesterfield with CertaGrain: Product: Breezewood; www.certainteed.com/fence/#sle.
 - c. Substitutions: See Section 016000 - Product Requirements.
 - 2. Fence Style: Semi-private.
 - a. Fence Height: 6 feet (1.8 m).
 - 3. Line and Corner Posts: 5 by 5 inches (127 by 127 mm), minimum; 0.135-inch (3.4 mm) wall thickness, 3/8-inch (9.5 mm) corner radius.
 - 4. Rails: 1-1/2 by 5-1/2 inches (38 by 140 mm), minimum; 0.090-inch (2.3 mm) wall thickness, 5/16-inch (7.9 mm) corner radius.
 - 5. Pickets: 5/8 by 11-3/8 inches (15.9 by 289 mm), minimum, tongue and groove; 0.050-inch (1.3 mm) wall thickness, 1/16-inch (1.6 mm) corner radius.
 - 6. Gate Posts: 2-1/2 by 4 inches (63.5 by 101.6 mm), minimum; 0.120-inch (3 mm) wall thickness, 3/16-inch (4.8 mm) corner radius.
 - 7. Gate Hardware: Lo
 - a. Hinges: Size and material to suit gate dimensions; non lift-off type, self closing, glass-filled nylon with adjuster plate; hing finish TBD
 - b. Latch: Manufacturer's standard self latching, glass-filled nylon and stainless steel composition single or dual access gravity latch; black finish.
 - 8. Post Caps: Match cross section of post; 0.095-inch (2.4 mm) wall thickness, TBD configuration.
 - 9. Stiffener Channels: ASTM A36/A36M, galvanized steel with predrilled holes for drainage; sized to fit within PVC rails.
 - 10. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi) (420 MPa).
 - a. Galvanized in accordance with ASTM A767/A767M, Class I.
 - b. Tie Wire: Annealed, minimum 16 gauge, 0.0508-inch (1.29 mm).
 - c. Chairs, Bolsters, Bar Supports, Spacers: Sized and shaped for adequate support of reinforcement during concrete placement.
 - B. Concrete:
 - 1. See Section 033000.
 - C. Fasteners: Manufacturer's standard stainless steel fasteners.
-

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions: Verify that areas are clear of obstructions or debris.

3.02 PREPARATION

- A. Removal: Obstructions or debris.
- B. Ground Preparation:
 - 1. As required to set post and fence products. Installer to clean and finish grade-disturbed areas.

3.03 INSTALLATION

- A. Install framework, pickets, fence panels, accessories and gates in accordance with manufacturer's instructions.
- B. Set intermediate, terminal, and gate posts plumb, in concrete footings with top of footing 2 inches (51 mm) above finish grade. Slope top of concrete for water runoff.

3.04 TOLERANCES

- A. Maximum Variation From Plumb: 1/8".
- B. Maximum Offset From True Position: 1/2".

3.05 FIELD QUALITY CONTROL

- A. See Section 014000 - Quality Requirements for additional requirements.
- B. Layout: Verify that fence installation markings are accurate, paying attention to gate locations, underground utilities, and property lines.
- C. Post Settings: Randomly inspect three locations for:
 - 1. Hole diameter.
 - 2. Hole depth.
 - 3. Hole spacing.
- D. Fence Height: Randomly measure fence height at three locations or at areas that appear out of compliance with design.
- E. Gates: Inspect for levelness, plumbness, and alignment.

3.06 CLEANING

- A. See Section 017419 - Construction Waste Management and Disposal for additional requirements.
- B. Leave immediate work area neat at end of each work day.
- C. Clean jobsite of excess materials; scatter excess material from post hole excavations uniformly away from posts. Remove excess material if required.
- D. Clean fence with mild household detergent and clean water; rinse well.
- E. Remove mortar from exposed posts and other fencing material.
- F. Touch up scratched surfaces using materials recommended by manufacturer. Match touched-up finish to factory-applied finish.

END OF SECTION

Project #: AHUN230008
Project: Morgan County Event Center
Location: Lacey Springs, AL

Updated: 3/11/24

| REQUEST FOR INFORMATION LOG | | | | | | | | | |
|-----------------------------|-------|---------------|----------------|-----------|--|-----------------------------------|---|--|-----------------|
| No. | Scope | Sheet or Spec | Note or Detail | Date Sent | Comment | Source | Architect / Owner Response | | Addendum & Date |
| BID SET (2/15/23) | | | | | | | | | |
| 1 | | | | 2/29/2024 | Will Simplex Fire Alarm System be allowed for this project? Please advise. | Dominguez Design-Build | No. You can submit a substitution to be considered. | | |
| 2 | | | | 3/1/2024 | The following items are missing from the Specification Manual: Section 2.01- General Requirements G-01 3010: RFI Form G- 01 3020: Transmittal Form Section 2.07- Openings 08- Door Hardware Specs Section 2.13- Special Construction 13- Pre-Engineered Metal Building Specs | Carmon Construction | See Addendum #1 for Div 13. You can submit RFIs on your own form. Door hardware spec is forthcoming. | | |
| 3 | | | | 3/1/2024 | After taking a look through the spec's, it looks like General Shale is a listed manufacturer (see 2.02 BRICK UNITS). Do you know if the architect has a specific face style in mind besides it being a velour? | General Shale | No. You can submit a substitution to be considered. | | |
| 4 | | | | 3/1/2024 | We have only made a quick review of the specs, but it appears that there are a few sections missing. Can you provide a spec on Door Hardware, Bleachers and Pre-Engineered Metal Building. These are not in our set. Also, our printer is having issues with printing the specs. There are numerous blank pages in the set. We don't want to miss a page. Normally if a page is left blank, theres a note saying that. I'll follow this up with an official RFI **NO Official RFI as of 03/01/24 | Consolidated Construction Company | See Addendum #1 | | |
| 5 | | | | 3/4/2024 | Sitework not included with Proposal Will the building pad will be ready at the proper elevation when we mobilize? | Dominguez Design-Build | The Owner will bring the site/pad to subgrade. After that it is the responsibility of the bidder. | | |
| 6 | | | | 3/4/2024 | 1. Is there an official RFI Form to be used for Pre-Bid RFI's? The specs Table of Contents lists one but we are unable to locate the form in the specs. 2. Please provide specifications for Pre-Engineered Metal Building. 3. Please provide specifications for Metal Canopy. 4. Please provide Finish Hardware specification. 5. Please provide detailed description of NIC sitework and what sitework is in the contract. 6. Spec section 064000 – can the AWI certifications be waived? 7. Please provide detail and/or elevation specification for vinyl HVAC fence shown on sheet A1.01. | Limestone Building Group | You can send RIFs on your form or by email. See Addendum 1 for PMB spec and site work clarification. The fence spec and detail is in Addendum 2. | | |
| 7 | | | | 3/4/2024 | Any idea if they would want stormwater monitoring and monthly aerial progress photography included? | GTEC Corp | No. | | |
| 8 | | | | 3/6/2024 | On sheet E101 there is a box with designation "S3" in the middle of the primary electrical conduit path. There is no detail or schedule with that symbol in it. Please advise. | Dominguez Design-Build | | | |
| 9 | | | | 3/6/2024 | • Sheet C-101 shows 18' Curb & Gutter around perimeter of project as well as parking islands and next to the building. Which curbs & gutters will be part of this bid package? • Sheets C-101 and C-102 indicate concrete paving at handicap parking spaces only. Is that concrete paving to be included in the previous bid package or this package? If it's part of this package, will asphalt paving be completed up to the areas shown as concrete paving? • Downspout boots are specified in Section 05500 Metal Fabrications but splash blocks are shown throughout Architectural plans. Please advise. • Steel Bollards are specified in Section 05500 Metal Fabrications but the location is unclear. Please advise. • Fabric- Covered Sound- Absorbing Units are specified in Section 098430 but we are unable to locate. Please advise. • Protective Wall Covering is specified in section 102600 but we are unable to located. Please advise. • There is some uncertainty regarding application and location of Weather Barriers 072500 and Air Barriers 072700. Please clarify locations for each. • Please provide specifications for Vinyl Fencing. • Please provide base plate size for columns at 3/4/5-G on sheet S2.01 | Carmon Construction | All curb and gutters shown shall be in the bid. Civil Eng: The plans have been updated to show 24" curb and gutter. All curb and gutter shown will be included in this bid package. The concrete paving will be included in this bid package. Concrete for sidewalks and HC parking is the responsibility of the bidder. Weather and air barriers shall be at masonry walls. Other walls are responsibility of the PMB Mfr. Protective wall coverings are required between the exit doors in the lobby. Metal Building Manufacturer will provide base plate sized for their columns at 3/4/5-G. Fencing spec is in addendum 2. | | 2 3/15/2024 |
| | | | | 3/7/2024 | Please confirm the height of the Exterior Signage. It is scaling at 14" Please confirm the dimensions of the dedication plaque. The specs reference to see details in Conditions of the Contract, we can not find any information in the general conditions of the contract. | Building Construction Association | | | |
| 13 | | | | 3/7/2024 | Please provide spec section for the Pre-Engineered Metal Building. | Dominguez Design-Build | See Addendum 1 | | |
| 14 | | | | 3/7/2024 | Please provide specification for Bleachers. | Limestone Building Group | See Addendum 2 | | |
| | | | | 3/7/2024 | Is spec section 098430 applicable to this job? None found on drawings. | Limestone Building Group | | | |
| | | | | 3/7/2024 | Sheet A8.01 calls out EPX-1 in restrooms. Finish Legend on sheet A8.03 does not show and EPX-1. Please advise. | Limestone Building Group | | | |
| 15 | | | | 3/7/2024 | Sheet A1.01 Keynote 10 indicates 8.5" metal studs. Metal stud standard sizes are 8" and 10". Is 8.5" correct? Will the PEMB components take care of this wall type? Please clarify. | Limestone Building Group | It is 8. See revised wall type sheet Addendum 2 | | |
| | | | | 3/7/2024 | Sheet A1.01 Keynote 11 – where brick veneer occurs full height at the entrance of the building, are we to assume that these walls will be built using 8" metal stud framing? Drawings show what looks to be 4" framing in between the PEMB purlins. Please clarify. | Limestone Building Group | | | |
| | | | | 3/7/2024 | Sheet A1.01 Detail H2 shows brick approximately 4' tall along the front of the building. Is metal stud framing required for this, or will the brick be tied off of the metal building wall sheets? If metal framing is required, will a revised wall section be provided? | Limestone Building Group | Tie off of metal building wall | | |
| | | | | 3/7/2024 | What finish will go behind the safety pads at OL-1 column wrap framing? | Limestone Building Group | | | |
| 16 | | | | 3/8/2024 | Please provide documentation A101-2017, Exhibit A, Insurance and Bonds. | Dominguez Design-Build | | | |
| 17 | | | | 3/11/2024 | What bid bond form are we to use? I couldn't find any specification section for the Pre-Engineered metal building | Lee Builders | | | |
| 18 | | | | 3/12/2024 | | Alliance Steel, Inc. | See Addendum 1 | | |

| | | | | | | | | |
|----|--|--|--|-----------|--|-----------------------------------|--|--|
| 19 | | | | 3/12/2024 | Provide elevation/frame/glazing type for interior glazed unit tagged as "36" at 102 <i>Office</i> . Ref Docs: A1.01 | Cooper Construction | | |
| 21 | | | | 3/12/2024 | Provide pre-engineered building spec, including a spec for the interior liner panels | Cooper Construction | | |
| 22 | | | | 3/12/2024 | Provide a fire proection specialties spec | Cooper Construction | | |
| 23 | | | | 3/12/2024 | Provide a Basis of Design for paper towel dispenser TA-03. Ref Docs: 10 2800 | Cooper Construction | | |
| 25 | | | | 3/12/2024 | Fabric-wrapped acoustical panels are not called out on the drawings. Is spec 098430 applicable to this project? If yes, provide locations. Ref Docs: 09 8430 | Cooper Construction | | |
| 26 | | | | 3/12/2024 | Clarify the scope of section 2.04, <i>Floor Mounted Equipment</i> , including the quantity of nets, posts and floor sleeves (for both volleyball and pickleball), as well as the quantity of floor anchors for portable gymnasium equipment. Ref Docs: 11 6623 | Cooper Construction | | |
| 28 | | | | 3/12/2024 | Provide a spec for the sliding pocket door called out at opening 36 | Cooper Construction | | |
| 29 | | | | 3/12/2024 | Provide a vinyl fence spec | Cooper Construction | | |
| 30 | | | | 3/12/2024 | Review/Revise Attachment A to align with this project: Items 1-11 are assumed to be by Morgan County. Subs for these trades would not be engaged by the GC | Cooper Construction | | |
| | | | | 3/12/2024 | Review/Revise Attachment A to align with this project: Item 13: Provide basis-of-design for VCT (does not appear in the base bid scope of work) | Cooper Construction | | |
| | | | | 3/12/2024 | Review/Revise Attachment A to align with this project: Items 22-23: Clarify interior or exterior door and frames | Cooper Construction | | |
| 31 | | | | 3/12/2024 | Review/Revise Attachment A to align with this project: Items 24-25: Need more info or basis-of design (these do not appear in the base bid scope of work) | Cooper Construction | | |
| 32 | | | | 3/12/2024 | Review/Revise Attachment A to align with this project: Items 26-27: Need a minimum quantity to base this off of (these do not appear in the base bid scope of work) | Cooper Construction | | |
| 34 | | | | 3/13/2024 | Provide wood species, book/end-matching requirements, construction parameters, and field-finishing requirements (i.e. painted or stained?) for wood doors | Cooper Construction | | |
| 35 | | | | 3/13/2024 | Per Sheet C-101, Mass Grading, Utilities, Asphalt Pavement, and Striping are under separate contract. Confirm whether or not Erosion Control BMPs per Sheet C-601 will also be under separate contract. | Cooper Construction | | |
| 36 | | | | 3/13/2024 | Drawings call out RB-1 rubber base at courts. Specs call for Robbins 3" x 4" vented base. Which is correct? Ref Docs: A8.03 Per Finish Note on Sheet A8.03, wall base is to be installed on all walls....U.N.O. Per sheet A7.02, elevations B1, D6, F6, J6, and B9 shall receive wall tile, and all remaining walls in 103 <i>Women</i> and 105 <i>Men</i> will reveive tile base only. Confirm if this is correct and, if only tile base is needed, confirm requirement of a matching tile base, or else to utilize cut field tile/ Schluter | Cooper Construction | | |
| 37 | | | | 3/13/2024 | Spec 01 4000 refers to individual spec sections for mock up requirements, but Tiling spec 09 3000 refers back to spec 01 4000. Confirm to what extent (i.e. size) wall and/or floor tile mock-ups are required, and whether or not these will be in-place mock ups | Cooper Construction | 4' x4' | |
| 38 | | | | 3/13/2024 | Provide Resilient Flooring spec | Cooper Construction | | |
| 39 | | | | 3/13/2024 | Provide an AIA Additions/Deletions report for the altered AIA A101 and AIA A201 provided in the project manual | Cooper Construction | | |
| 41 | | | | 3/14/2024 | Note 15 references tap, meter, connection fees by contractor. Confirm this is by utility contractor (under separate contract) If this is required to be carried by the GC, provide either an allowance to cary, or provide a site utility drawing | Cooper Construction | | |
| 42 | | | | 3/14/2024 | Provide geotech report, or provide an allowance for the presence of rock for footing excavation | Cooper Construction | | |
| 43 | | | | 3/14/2024 | Daikin Applied (Distech Controls) is requesting permission to bid the Split-System 100% Outside Air Unit & controls on the Morgan County Event Center job. The specifications that go over each system type is listed below: • Spec Section 23 5000 – Split-System 100% Outside Air Units (All Electric) | Mechanical Davis Dumas | | |
| | | | | 3/14/2024 | Daikin Applied (Distech Controls) is requesting permission to bid the Split-System 100% Outside Air Unit & controls on the Morgan County Event Center job. The specifications that go over each system type is listed below: • Spec Section 23 8000 – Conventional Automatic Controls | Mechanical Davis Dumas | | |
| | | | | 3/15/2024 | Please provide a specification on the pre-engineered metal building insulation. | Consolidated Construction Company | | |
| | | | | 3/15/2024 | Please provide a specification on the fire extinguishers and cabinets. | Consolidated Construction Company | | |
| | | | | 3/15/2024 | Section 05500 calls for downspout boots. Sheet A3.01 appears to call for splash blocks (SB). We do not have in our sets a storm plan that shows any downspout boots or what they tie to. Please clarify. | Consolidated Construction Company | Downspout boots are required and all down spouts shall be tied to subgrade storm. You will have to coordinate with the Owner | |
| | | | | 3/15/2024 | Please provide a specification on the canopies? Are they provided by the Metal Building Systems or an Aluminum Canopy supplier? | Consolidated Construction Company | | |
| | | | | 3/15/2024 | There are no details of the exterior set of stairs. Are they a pan type filled with concrete or a grating type tread? Are they to be galvanized or painted? | Consolidated Construction Company | | |
| 46 | | | | 3/15/2024 | The wood floor specifications call for Bio Channel SB (anchored resilient system) and the plans call for Bio Cushion Classic (floating, double layer plywood). Can you please confirm which one we should price? We would recommend Bio Channel SB since it is anchored. | Greer Building Contractors | Bio Channel SB | |
| 47 | | | | | | | | |