FILE NAME: J:\... Schools Public\ST TAMMANY PARISH SCHOOL BOARD\1458 - Boyet Junior High School Gym\Current Dwgs\S101 - Structural Plan.dwg OUT DATE & TIME: Thursday, January 4, 2024 7:53:06 AM

METAL - STRUCTURAL STEEL

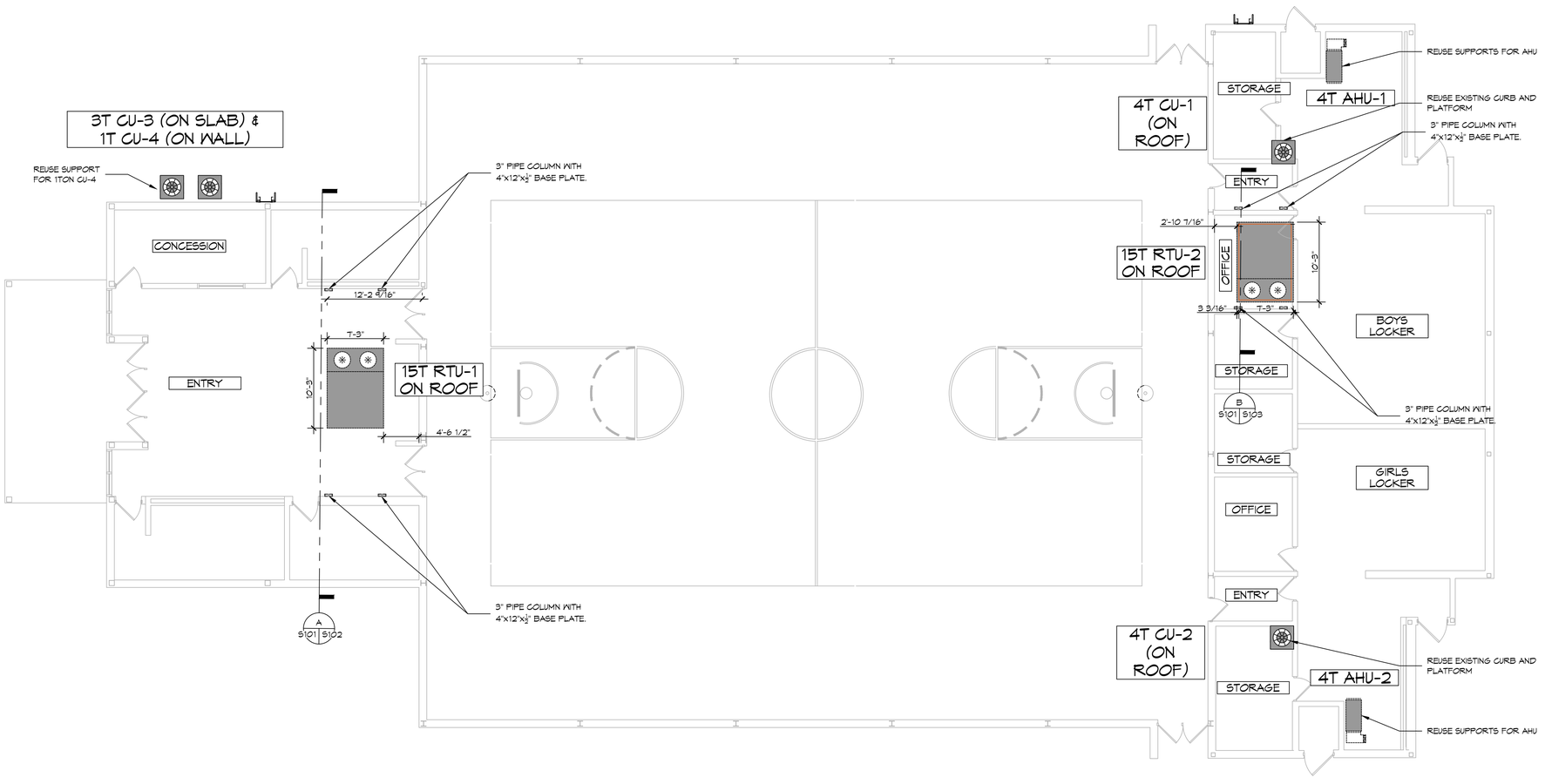
A. DESIGN , FABRICATION, AND ERECTION ARE TO BE GOVERNED BY THE LATEST REVISIONS OF THE FOLLOWING UNLESS NOTED OTHERWISE (U.N.O.):
   1. AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360- 1 0).
   2. AISC CODE OF STANDARD PRACTICE (CONTRACTOR SHALL SUBMIT STEEL SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION).
   3. AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS (ALLOWABLE STRESS DESIGN) .
   4. STRUCTURAL WELDING CODE, AWS D1.1 OF THE AMERICAN WELDING SOCIETY. WELDING PERSONNEL II.ND PROCEDURES ARE TO BE QUALIFIED PER AWS D 1 . 1.
B. MATERIALS:
   1. WIDE FLANGE AND WT SHAPES SHALL BE ASTM A992, FY = 50 KSI, U.N.O.
   2. ALL OTHER HOT-ROLLED SHAPES SHALL BE ASTM A36, FY = 36 KSI, U.N. O .
   3. STEEL PIPES SHALL BE ASTM A5.3, TYPE-S (SEAMLESS) GRADE B, U.N.O.
   4. HOLLOW STRUCTURAL SECTIONS (HSS) SHALL BE ASTM A500, GRADE B . U.N.O.
   5. PLATES AND BARS SHALL BE ASTM A36, U.N.O.
C. BOLTS
   1. ALL BOLTS SHALL BE ASTM A325 HIGH STRENGTH WITH HARDENED WASHERS AND HEAVY HEX NUTS U.N.O.
   2. ALL BOLT HOLES SHALL BE 1/16" LARGER THAN THE BOLT DIAMETER U.N.O.
D. CONNECTIONS:
   1. ALL CONNECTIONS SHALL BE SHOP WELDED AND FIELD BOLTED U.N.O.
E. WELDS
   1. ALL WELDS SHALL BE WITH E70XX ELECTRODES IN ACCORDANCE WITH AWS D1.1. USE HIGHER STRENGTH ELECTRODE IF REQUIRED BY AWS D1.1 [ALL WELDING SHALL BE PERFORMED BY AWS QUALIFIED WELDERS].
   2. MINIMUM SIZE OF FILET WELD SHALL BE 3/16" U.N.O.
   3. SEAL WELD AROUND ALL WELDED CONNECTIONS WHERE WELDING IS NOT INDICATED TO PROVIDE WATERTIGHT CONNECTION.
F. COATINGS
   1. ALL STEEL SHALL BE SHOP PRIMED IN ACCORDANCE WITH THE STRUCTURAL STEEL FRAMING SPECIFICATION.
   2. ALL EXPOSED STEEL SHALL BE PAINTED IN ACCORDANCE WITH THE SPECIFICATIONS.
   3. AFTER ERECTION CONTRACTOR SHALL "TOUCH UP" WITH PAINT ALL ABRADED AREAS.
G. FIELD QUALITY CONTROL
   1. INSPECTION OF FIELD ASSEMBLIES IN ACCORDANCE WITH AISC SPECIFICATION FOR STRUCTURAL JOINTS. INSPECTION SHALL INCLUDE APPROVAL OF PROCEDURE FOR CALIBRATION OF WRENCHES AND INSTALLATION OF BOLTS.
H. MISCELLANEOUS
   1. SEAL ENDS OF OPEN MEMBERS SUCH AS PIPES AND TUBES WITH 1/8 INCH THICK PLATE & 1/8 INCH SEAL WELDS UNLESS SPECIFICALLY NOTED OTHERWISE.

PAINT

1. ALL STEEL SHALL RECEIVE ONE COAT SHERWIN WILLIAMS KEM KROMIK UNIVERSAL METAL PRIMER OR EQUIVILENT.
2. ALL STEEL SHALL BE FINISH PAINTED WITH SHERWIN WILLIAMS PROMAR 200 ALKYD SEMI-GLOSS ENAMEL OR EQUIVALENT. COLORS SELECTED BY OWNER.

CEILINGS

1. ALL COLUMNS PENETRATING A CEILING SHALL HAVE ESCUTCHEON PLATE. PAINT TO MATCH COLOR OF CEILING. REPAIR ANY DAMAGES TO CEILING.



1 STRUCTURAL PLAN
SCALE: 1/8" = 1'-0"

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#	DESCRIPTION	DATE

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JOB No:	2466	DATE:	12-24-2023
DRAWN BY:	CKD	CHECKED BY:	BAM

SHEET TITLE:
STRUCTURAL PLAN

DRAWING NUMBER:
S101

SHEET No: 3 of 9