

STRUCTURAL GENERAL NOTES:

1. DESIGN AND CONSTRUCTION SHALL CONFORM TO THE "INTERNATIONAL BUILDING CODE, 2012 EDITION", AS AMENDED AND ADOPTED BY THE WICHITA-SEDGWICK COUNTY, KANSAS METROPOLITAN AREA BUILDING AND CONSTRUCTION DEPARTMENT. REFER TO THE SPECIAL INSPECTION NOTES FOR ADDITIONAL REQUIREMENTS.
2. DESIGN CRITERIA AND LOADS: ACTIVE LATERAL EARTH PRESSURE = 54 PCF, PASSIVE LATERAL EARTH PRESSURE = 264 PCF; WALKWAY LIVE LOAD = 100 PSF; ULTIMATE WIND SPEED - 115 MPH (3 SECOND GUST), (90 MPH NOMINAL DESIGN) EXPOSURE C; RISK CATEGORY II; SEISMIC DESIGN CATEGORY - B; SEISMIC SITE CLASS - D.
3. THE TOTAL LOAD SOIL BEARING PRESSURE DOES NOT EXCEED 2500 PSF FOR ALL WALL AND COLUMN FOOTINGS. ALL FOOTINGS SHALL BEAR INTO UNDISTURBED NON-ORGANIC SOILS OR INTO A CONTROLLED, COMPACTED, TESTED, ENGINEERED FILL. (REFER TO GEOTECHNICAL REPORT BY G.S.I. ENGINEERING, LLC; PROJECT NO. 1773122, DATED JANUARY 9, 2018 AND SPECIFICATIONS AND GSI MEMO DATED APRIL 2, 2018). ALL PERIMETER AND EXTERIOR FOOTINGS SHALL EXTEND AT LEAST 3'-0" BELOW FINAL ADJACENT GRADE. IF ACTUAL SITE CONDITIONS DO NOT SATISFY THESE REQUIREMENTS COORDINATE ADJUSTMENTS WITH THE ARCHITECT/ENGINEER/SOILS ENGINEER/OWNERS REPRESENTATIVE.
4. FOOTINGS MAY BE POURED TO NEAT LINES OF EXCAVATIONS PROVIDING VERTICAL LINES OF EXCAVATIONS CAN BE MAINTAINED DURING CONCRETE PLACEMENT.
5. BEAMS, COLUMNS, WALLS AND FOOTINGS CENTER SHALL BE CENTERED UNDER SUPPORTING MEMBERS (TYPICAL UNLESS NOTED).
6. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" (VERIFY WITH ARCHITECT).
7. NO ALUMINUM SHALL BE IMBEDDED IN ANY CONCRETE.
8. ANCHOR BOLTS SIZES AND PLACEMENT LOCATIONS BY METAL BUILDING MANUFACTURER. ANCHOR BOLTS SHALL BE FURNISHED BY THE GENERAL CONTRACTOR AND SET WITH A TEMPLATE.
9. ALL STRUCTURAL REGULAR WEIGHT CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS (TYPICAL UNLESS NOTED). ALL CONCRETE SHALL BE IN CONFORMANCE WITH THE LATEST A.C.I. 301 STANDARDS PUBLICATION.
10. ALL REINFORCING BARS SHALL MEET ASTM A615 GRADE 60.
11. REINFORCING BARS QUANTITIES SHOWN ARE FOR ESTIMATING PURPOSES ONLY.
12. PROVIDE 400 LBS. OF EXTRA BARS OF VARIOUS SIZES USED ON THIS PROJECT TO BE USED AS DIRECTED: INCLUDE LABOR FOR PLACEMENT.
13. CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE 3/4" CLEAR FOR SLABS, 2" CLEAR FOR FORMED SURFACES AND 3" CLEAR FOR FOOTINGS (TYPICAL UNLESS NOTED).
14. REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED 40 BAR DIAMETERS (2'-0" MIN.) EXCEPT AS NOTED AND PROVIDE CORNER BARS OF SAME SIZE AND SPACING.
15. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST A.C.I. DETAILING MANUAL BY A QUALIFIED AND EXPERIENCED PERSON AND FIRM. PLACE AND SUPPORT REINFORCEMENT WITH ACCESSORIES: MAXIMUM SPACING - 48" CENTERS. USE 3" SBP SUPPORTS ON ALL FOOTINGS.
16. CONTRACTOR SHALL VERIFY THAT ALL REINFORCEMENTS, INSERTS, SLEEVES AND EMBEDDED ITEMS ARE PROPERLY LOCATED AND RIGIDLY SECURED PRIOR TO CONCRETE PLACEMENT.
17. ALL ANCHORS WHERE NOTED SHALL BE MANUFACTURED BY HILTI, INC. AND INSTALLED PER HILTI SPECIFICATIONS. HILTI HY200 ANCHORS SHALL USE HILTI

- "SAFE SET" INSTALLATION METHODS. SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL WITH APPROPRIATE ICC-ES EVALUATION REPORTS.
18. STRUCTURAL STEEL SHALL MEET ASTM A992 (Fy = 50 KSI MIN.), STEEL ANGLES, CHANNELS, AND PLATES SHALL MEET ASTM A36 (Fy = 36 KSI MIN.), STRUCTURAL TUBING (HSS) - ASTM A500 GRADE B (Fy=46KSI), STRUCTURAL PIPE - ASTM A53, GRADE B (Fy=35 KSI), AND ANCHOR BOLTS - ASTM F-1554, GRADE 36, TYPICAL UNLESS NOTED.
 19. STRUCTURAL STEEL SHALL BE NEW AND MEET THE FOURTEENTH EDITION A.I.S.C. "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS AND BRIDGES", AND THE "CODE OF STANDARD PRACTICES FOR STEEL BUILDINGS AND BRIDGES", EXCLUDING SECTION 4.4.1.B.
 20. ANY SHOP AND FIELD SPLICES WITHIN THE STEEL MEMBERS DESIGN LENGTH MUST BE MADE WITH A FULL PENETRATION WELD AND PROVED ADEQUATE BY NON-DESTRUCTIVE TESTING AT THE CONTRACTORS EXPENSE.
 21. WELDING SHALL CONFORM TO THE CURRENT A.W.S. "STRUCTURAL WELDING CODE - STEEL" AND "STRUCTURAL WELDING CODE - SHEET STEEL" SPECIFICATIONS.
 22. HOLES, PIPES, SLEEVES, ETC. NOT SHOWN ON THE DRAWING MUST BE REVIEWED BY THE ENGINEER BEFORE PLACEMENT THROUGH STRUCTURAL MEMBERS.
 23. IF MECHANICAL AND ELECTRICAL EQUIPMENT SIZES, WEIGHTS, OR LOCATIONS DO NOT COINCIDE WITH EQUIPMENT SHOWN ON THE PLANS, COORDINATE ADJUSTMENTS WITH THE ENGINEER.
 24. NO AREA OF THE STRUCTURE SHALL BE LOADED WITH CONSTRUCTION MATERIALS OR EQUIPMENT THAT EXCEEDS FINAL DESIGN CRITERIA.
 25. THE STRUCTURES ARE DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTORS RESPONSIBILITY TO EXECUTE AND DETERMINE FINAL ERECTION PROCEDURES, SEQUENCING AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYING OR TIE DOWNS WHICH MIGHT BE NECESSARY.
 26. FABRICATORS AND SUPPLIERS SHALL CLEARLY NOTE CHANGES MADE IN SHOP DRAWINGS WHICH DIFFER FROM CONSTRUCTION DOCUMENTS.
 27. SURFACE WATER SHALL NOT BE ALLOWED TO STAND ADJACENT TO OR DRAIN TOWARDS THE FOUNDATION UNDER ANY CIRCUMSTANCES. PAVEMENTS OR GRADED SOIL AT THE PERIMETER OF THE BUILDING, EXCEPT AS REQUIRED AT EXITS OR AS NOTED, SHALL BE SLOPED AWAY AT 5% OR 6 INCHES MINIMUM FOR THE FIRST 10 FEET.
 28. THE STRUCTURES AND FOUNDATIONS ARE NOT DESIGNED FOR FUTURE EXPANSION.
 29. IF DISCREPANCIES EXIST BETWEEN STRUCTURAL PLANS, OTHER PLANS, OR SPECIFICATIONS, THE CONTRACTOR OR SUB-CONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR CLARIFICATION FROM THE OWNERS REPRESENTATIVE AND/OR ENGINEER BEFORE PROCEEDING WITH THE WORK.
 30. CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNERS REPRESENTATIVE IMMEDIATELY.



PAVING, LANDSCAPE, AND UTILITIES FOR
STRYKER SPORTS
WICHITA, KANSAS



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STRUCTURAL GENERAL NOTES

PROJECT NO.	1701010567	
DATE	MAY 2, 2018	
SCALE	AS NOTED	
DESIGNED	DRAWN	CHECKED
RH	RLL	RR

0	ISSUED FOR CONST.	05-02-18
NO.	REVISION	DATE