

C. GENERAL PROJECT CODE INFORMATION

B. PROJECT CONSTRUCTION DOCUMENTS

A. GENERAL PROJECT INFORMATION

- 1. APPLICABLE CODES INCLUDE, BUT ARE NOT LIMITED TO:
STANDARD BUILDING CODE, 1997 EDITION, EXCEPT CHAPTER 10
STANDARD FIRE PREVENTION CODE, 1997 EDITION
STANDARD PLUMBING CODE, 1997 EDITION
STANDARD MECHANICAL CODE, 1997 EDITION
STANDARD ELECTRICAL CODE, NFPA 70
NFPA 1, FIRE PREVENTION CODE (1997)
NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (1996)
NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (1996)
NFPA 22, WATER TANKS FOR PRIVATE FIRE PROTECTION (1996)
NFPA 24, PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (1995)
NFPA 30, FLAMMABLE AND COMBUSTIBLE LIQUIDS (1996)
NFPA 45, LABORATORIES USING CHEMICALS (1996)
NFPA 50A, GASEOUS HYDROGEN SYSTEMS (1994)
NFPA 50B, LIQUIDIFIED HYDROGEN SYSTEMS (1994)
NFPA 54, NATIONAL FUEL GAS CODE (1996)
NFPA 70, NATIONAL ELECTRIC CODE (1996)
NFPA 72, NATIONAL FIRE ALARM CODE (1996)
NFPA 75, ELECTRONIC COMPUTER/DATA PROCESSING EQUIPMENT (1995)
NFPA 80A, PROTECTION OF BUILDINGS FROM EXTERIOR FIRE EXPOSURE (1996)
NFPA 90A, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS (1996)
NFPA 90B, STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS (1996)
NFPA 92A, SMOKE CONTROL SYSTEMS (1996)
NFPA 101, LIFE SAFETY CODE (1997)
NFPA 110, EMERGENCY AND STANDBY POWER SYSTEMS (1996)
NFPA 111, STORED ELECTRICAL ENERGY EMERGENCY AND STANDBY POWER SYSTEMS (1996)
NFPA 220, TYPES OF BUILDING CONSTRUCTION (1996)
NFPA 780, LIGHTNING PROTECTION SYSTEMS (1997)
NFPA 801, FACILITIES HANDLING RADIOACTIVE MATERIALS (1998)
NFPA 1141, PLANNED BUILDING GROUPS (1998)

Table with columns: BUILDING, OCCUPANCY, CONSTRUCTION TYPE. Rows include CLO (CENTRAL LAB OFFICE BUILDING), CY (CRYOGENS BUILDING), FE (FRONT END BUILDING), HE (HEAT TUNNEL), HS (HEAT SERVICE AREA), KL (KLYSTRON), LN (LINAC (LINEAR ACCELERATOR) TUNNEL), RG (RING TUNNEL), RN (RING SERVICE BUILDING), RT (RING TUNNEL), TA (TARGET BUILDING), CU (CUB (CENTRAL UTILITIES BUILDING)), DU (DUMP BUILDINGS), ME (MAKE UP AIR BUILDING), FE (CENTRAL EXHAUST STACK), RS (RIBT SERVICE BUILDING).

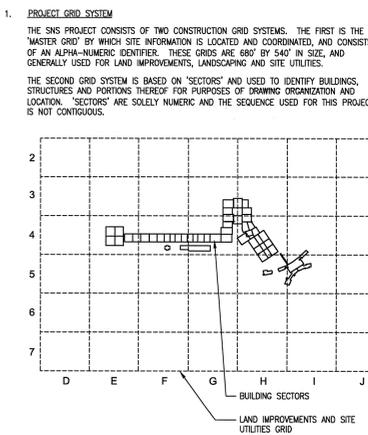
Table with columns: TYPE I, TYPE II, TYPE III, TYPE IV, TYPE V, TYPE VI, TYPE VII, TYPE VIII, TYPE IX, TYPE X, TYPE XI, TYPE XII, TYPE XIII, TYPE XIV, TYPE XV, TYPE XVI, TYPE XVII, TYPE XVIII, TYPE XIX, TYPE XX, TYPE XXI, TYPE XXII, TYPE XXIII, TYPE XXIV, TYPE XXV, TYPE XXVI, TYPE XXVII, TYPE XXVIII, TYPE XXIX, TYPE XXX.

FOOTNOTES:
1. IN BUILDINGS OF GROUPS A, B, E AND R OCCUPANCIES, THE REQUIRED FIRE RESISTANCE OF THE ROOF OR ROOF/CEILING ASSEMBLY INCLUDING THE BEAMS, CHORDS, TRUSSES, OR ARCHES THAT SUPPORT THE ROOF ONLY, MAY BE OMITTED WHERE EVERY PART OF THE ROOF STRUCTURAL MEMBERS HAVE A CLEAR HEIGHT OF 20 FT (6.096 METERS) OR MORE ABOVE ANY FLOOR, MEZZANINE OR BALCONY.
2. 1-HR REDUCTION AS PERMITTED BY SBC, TABLE 600, FOOTNOTE L, HAVE BEEN INCORPORATED INTO THIS TABLE.
3. AS ACCEPTED BY THE AUTHORITY HAVING JURISDICTION.

Table with columns: OCCUPANCY SEPARATION, HAZARDOUS OCCUPANCY SEPARATION FROM ALL OTHER OCCUPANCIES. Rows include A (LARGE OR SMALL ASSEMBLY), B (BUSINESS), F (FACTORY-INDUSTRIAL), S1 (STORAGE, MODERATE HAZARD S1), S2 (STORAGE, LOW HAZARD S2), BOILER ROOMS, REFRIGERATION EQUIPMENT ROOMS, H4 (HAZARDOUS OCCUPANCY SEPARATION FROM ALL OTHER OCCUPANCIES).

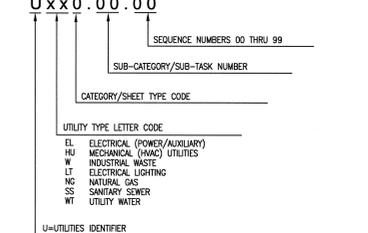
- 5. SPARKLETS
ALL BUILDINGS ARE FULLY SPRINKLERED, EXCEPT FOR THE FOLLOWING:
DU DUMP BUILDINGS
ME MECHANICAL EQUIPMENT BUILDING
FE CENTRAL EXHAUST STACK
RS RIBT SERVICE BUILDING

Table with columns: LEVEL, CLO, TARGET, RSB (GROUND FLOOR), WEST ME, EAST ME, CLO (HIGH BAY LEVEL), RIBT SERVICE, RSB (BASEMENT), FE (MECH FLR), CLO (BRIDGE LEVEL), TARGET (MEZZ), DATUM ±100'-0" = EL. 1076'-0", KLYSTRON/HS, CY, HE/RG/RT, FE/LN, CUB, CLO (ENTRY LEVEL), TARGET (INSTRUMENT), LEVEL 1, CUB (BASEMENT), CLO (SERVICE), TARGET (BASEMENT), LEVEL B1, LEVEL B2, CUB SUB-BASEMENT.

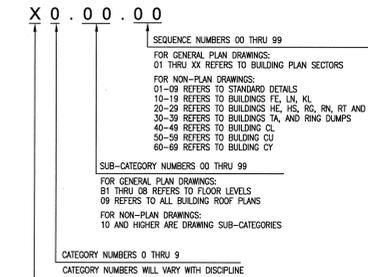


- 2. BUILDING ACRONYMS AND IDENTIFICATION CODES
THE SNS PROJECT CONSISTS OF SEVERAL SEPARATE BUILDINGS AND ANCILLARY STRUCTURES IN SUPPORT OF A SINGLE BUILDING CONTAINING THE PROTON BEAM GENERATING AND CONTROLLING EQUIPMENT. THIS SINGLE BUILDING IS A SERIES OF INTER-CONNECTED BUILDINGS THAT ARE IDENTIFIED BY A TWO-LETTER CODE AS FOLLOWS:
CL CLO (CENTRAL LAB OFFICE BUILDING)
CY CHLUP BUILDING
FE FRONT END BUILDING
HE HEAT (HIGH ENERGY BEAM TRANSPORT) TUNNEL
HS HEAT SERVICE AREA
KL KLYSTRON
LN LINAC (LINEAR ACCELERATOR) TUNNEL
RG RING TUNNEL
RN RSB (RING SERVICE BUILDING)
RT RIBT (RING TO TARGET BEAM TRANSPORT) TUNNEL
TA TARGET BUILDING
TWO-LETTER IDENTIFIERS FOR OTHER STRUCTURES ARE AS FOLLOWS:
CU CUB (CENTRAL UTILITIES BUILDING)
DU DUMP BUILDINGS
ME MAKE UP AIR BUILDING
FE FE (CENTRAL EXHAUST STACK)
FW PROCESS WASTE (FARM)
ST SITE UTILITIES (GENERAL)

- 3. CONSTRUCTION DOCUMENTS ORGANIZATION
a. THE SITE UTILITIES CONSTRUCTION DOCUMENTS ARE ORGANIZED AND IDENTIFIED BY AN EIGHT DIGIT ALPHA-NUMERIC SHEET NUMBERING SYSTEM AS FOLLOWS:



- b. ALL OTHER CONSTRUCTION DOCUMENTS ARE ORGANIZED AND IDENTIFIED BY A SIX-DIGIT ALPHA-NUMERIC SHEET NUMBERING SYSTEM AS FOLLOWS:



1. PROJECT LOCATION
ALL CORRESPONDENCE AND INQUIRIES ARE TO BE DIRECTED TO THE SNS PROJECT OFFICE LOCATED AT:
SNS PROJECT CENTER
KNIGHT/JACOBS JOINT VENTURE
701 SCARBORO ROAD
OAK RIDGE, TN 37830
PH: 865-241-8433
FAX: 865-241-3400
ADDITIONAL INFORMATION MAY BE OBTAINED FROM THE PROJECT INTERNET SITE AT:
http://www.sns.gov/projectinfo/

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NUMBER OF SECTION OR DETAIL
DRAWING ON WHICH SECTION OR DETAIL IS SHOWN OR TAKEN
SECTION AND DETAIL KEY

THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM
ENGINEERING PROCEDURE SNS-ENG-0001

Table with columns: REV, DESCRIPTION, DSN, CHK, DEPT, DATE, PE, DATE, PU, DATE, REQ, DATE, UTB, DATE, RPE, RPE NO, DATE, ST, CV, EC, EE, EM, IE, M, PD, SE, AR. Includes a revision history table and a drawing approval table.

Professional Engineer Seal for R. P. E. (Professional Engineer) State of Tennessee, License No. 1812-C1. Includes drawing approvals for DSN, DRW, CHK, DEPT, PE, and REQ.

Project information block including project name (SPALLATION NEUTRON SOURCE), general project notes, and a grid of classification codes (1-6, G, X, 8, 8000, FL, SH, 1, 1, G, CLASS, U, REV, 6).

AutoCAD

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