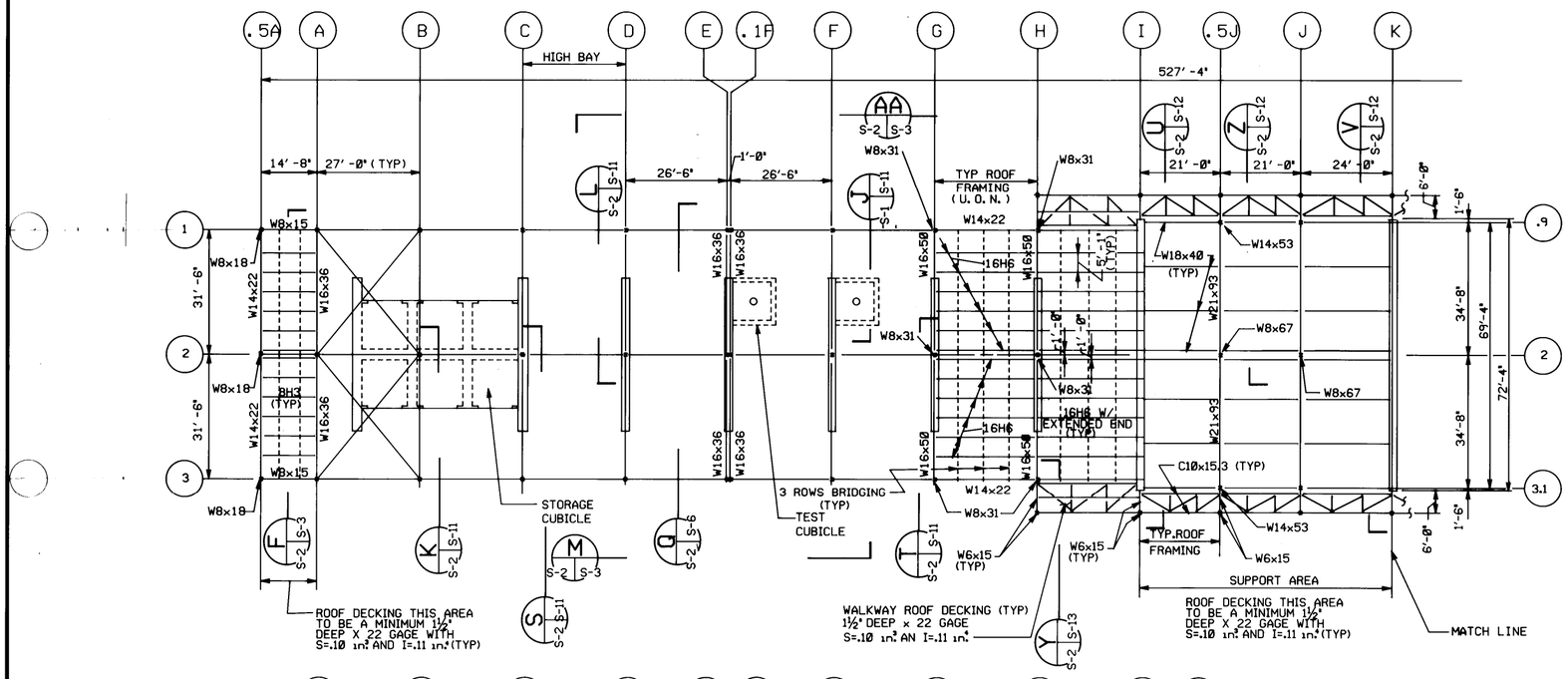
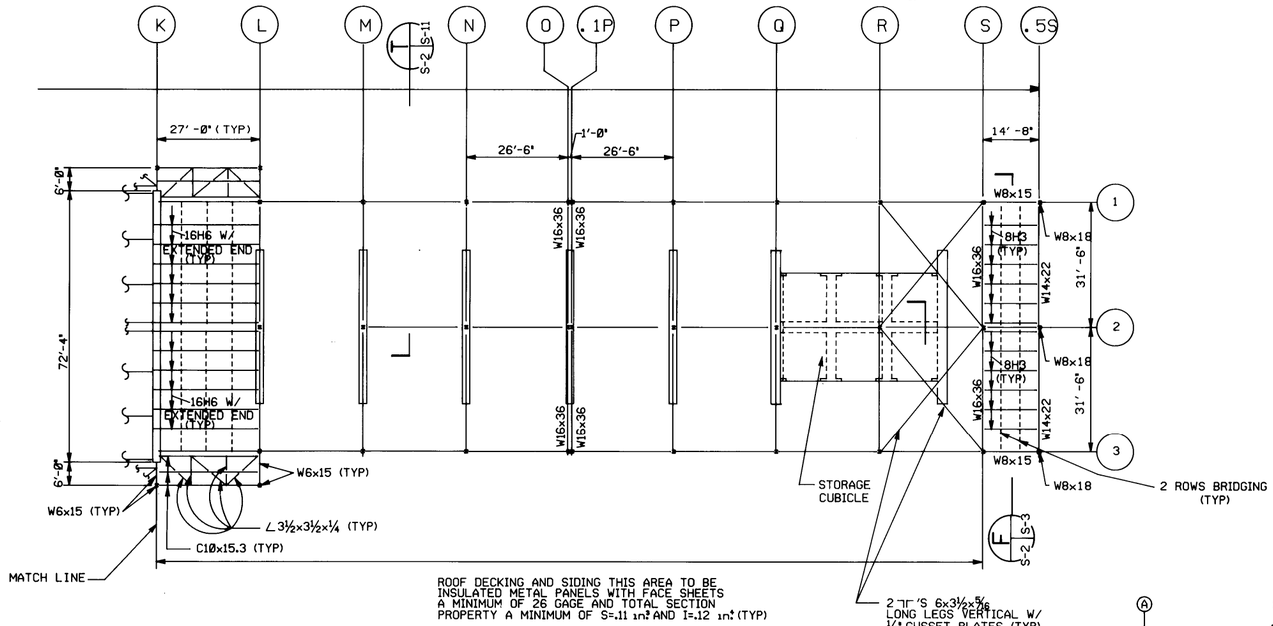




ROOF FRAMING PLAN

SCALE: 1/16" = 1'-0"

B.CONCRETE: (CONT.)

11. REINF. ALL CAST-IN-PLACE CONC. WALLS NOT OTHERWISE SHOWN AS FOLLOWS:

8"	*4@10E.W., MIDDLE
12"	*4@12E.W., E.F.

ADD 2-*5 CONT. AT THE TOP OF ALL WALLS.

12. CONCRETE WALLS SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE AND OTHER FORCES UNTIL FINISHED STRUCTURE HAS ATTAINED REQUIRED CONCRETE ULTIMATE STRENGTH.
13. REINFORCE ALL FLOOR SLABS ON GRADE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE, UNLESS OTHERWISE NOTED. CENTER REINF. IN SLAB:

SLAB THICKNESS	REINFORCEMENT
8"	*3@12 E.W.
5"	6x6-W2.9xW2.9 WWF

14. ALL ANCHOR BOLTS SHALL BE A307, UNLESS OTHERWISE NOTED.
15. A POLYETHYLENE VAPOR BARRIER AND 6" CAPILLARY WATER BARRIER SHALL BE PLACED BENEATH ALL SLABS ON GRADE.
16. FOUNDATIONS
    a. ALL INDIVIDUAL FOOTING EXCAVATIONS SHALL HAVE THE LAST 6" EXCAVATED BY HAND.
    b. ALL FINISHED EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE CONTRACTING OFFICER BEFORE CONCRETE IS PLACED.
    c. FOOTING DEPTHS ARE A SITE SPECIFIC REQUIREMENT.
    d. "F" DENOTES FOUNDATION. SEE SHEET S-15 FOR DETAILS.

C.STEEL:

1. MATERIAL STRENGTHS

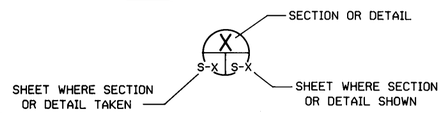
WELDED WIRE FABRIC	fy=60,000 PSI
STRUCT. STEEL, SHAPES AND PLATES (A36)	Fy=36 KSI
STRUCT. STEEL TUBES (A500)	Fy=46 KSI
STRUCT. STEEL (A572)	Fy=50 KSI
STEEL JOISTS (H-SERIES)	Fy=50 KSI

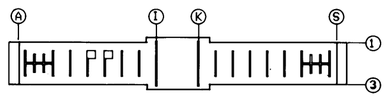
2. SHEAR CONNECTIONS SHALL BE DESIGNED FOR AN END REACTION EQUAL TO $W_o/2L$ AS TABULATED IN THE BEAM TABLES OF THE AISC MANUAL, EIGHTH EDITION, PLUS 1 KIP, UNLESS OTHERWISE NOTED.
3. ALL BOLTS SHALL BE ¾" DIA. A325 BEARING TYPE, UNLESS OTHERWISE NOTED.
4. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CONTINUITY AND GROUNDING REQUIREMENTS.
5. CUTS, HOLES, COPING, ETC., IN STRUCTURAL STEEL MEMBERS REQUIRED BY WORK OF OTHER TRADES SHALL BE MADE IN THE SHOP AND SHALL BE SHOWN ON THE SHOP DRAWINGS. FLAME CUT HOLES OR CUTS IN STRUCTURAL STEEL MEMBERS MADE IN THE FIELD WILL NOT BE PERMITTED WITHOUT SPECIFIC APPROVAL OF THE CONTRACTING OFFICER.
6. WELDING ELECTRODES SHALL CONFORM TO REQUIREMENTS SHOWN IN TABLE 4.1.1 OF AWS D1.1. FILLER METAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 57 KSI.
7. HANGER LOADS GREATER THAN 50 LBS. SHALL HAVE THE HANGER LOADS SUSPENDED FROM PANEL POINTS.

ABBREVIATIONS:

U.O.N.	UNLESS OTHERWISE NOTED
TYP	TYPICAL
TOS	TOP OF STEEL
D.O.	DOOR OPENING
L.O.	LOUVER OPENING
E.F.O.	EXHAUST FAN OPENING
A.B.	ANCHOR BOLT
C.J.	CONSTRUCTION JOINT
C.C.J.	CRACK CONTROL JOINT
E.J.	EXPANSION JOINT
C.W.B.	CAPILLIARY WATER BARRIER

LEGEND





KEY PLAN

Symbol	Description	Date	Approved
	Revisions		

US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

Site adapt A/E :

US Army Corps of Engineers

STANDARD DESIGN
AMMUNITION SURVEILLANCE FACILITY

ROOF FRAMING PLAN

Dwn. by : RDP | Ckd. by : WAX

Reviewed by : | Date : | Sheet reference number : S-2 | Design file no. : | Rev.

Approved by : | Drawing code : STD 216-12-02 | Sheet of