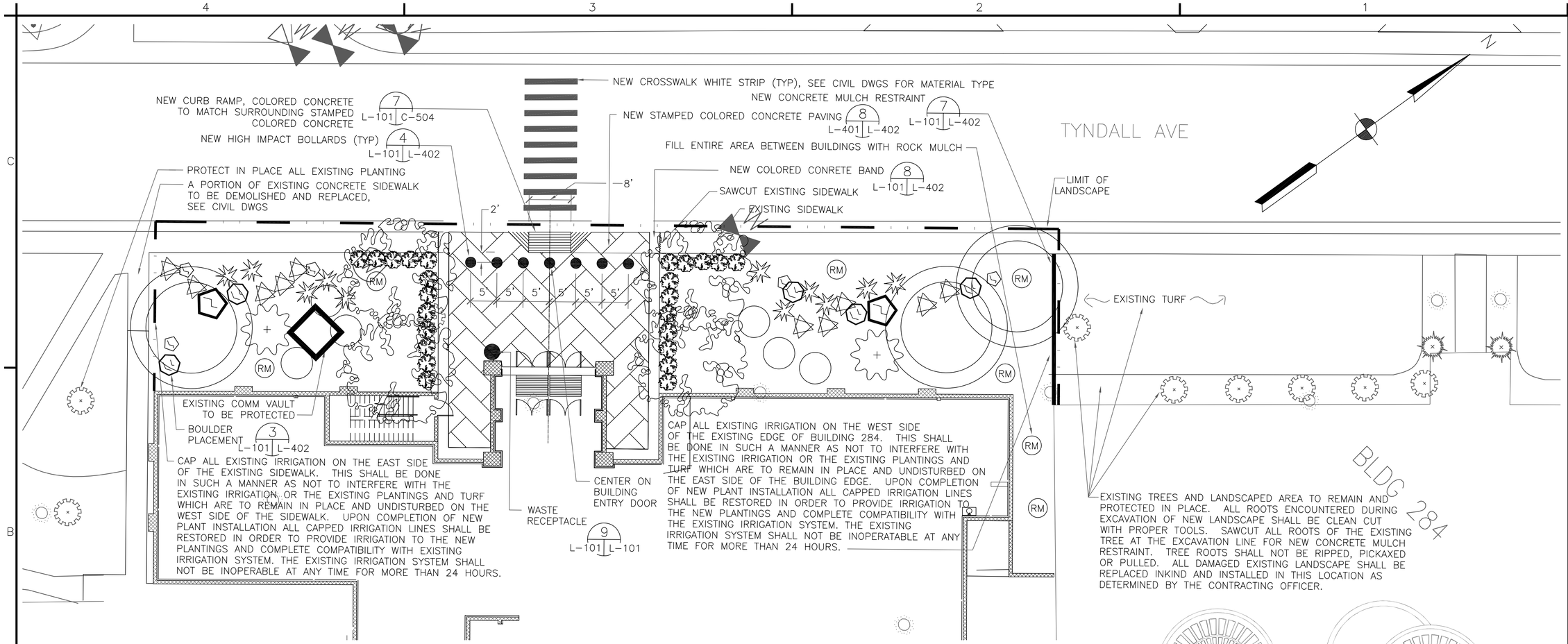


SHRUB LEGEND

PLANT QTY	CONTAINER SIZE	SHRUB PLANTING 5 L1.01 L4.01
2	5 GAL	CAESALPINIA PULCHERRIMA/ DWARF POINCIANA
24	5 GAL	DIETES VEGETA/ FORTNIGHT LILY
6	5 GAL	CISTUS PURPUREUS/ ORCHID ROCKROSE
10	5 GAL	PENNISETUM SETACEUM/ FOUNTAIN GRASS
11	5 GAL	DASYLIRION WHEELERI/ DESERT SPOON

TREE LEGEND

TREE PLANTING 2 L1.01 L4.01

	PLANT QTY	CONTAINER SIZE
PISTACIA CHINENSIS/ CHINESE PISTACHE	4	15 GAL
FICUS MICROCARPA/ INDIAN LAUREL FIG	3	15 GAL

SYMBOL LEGEND

RM — ROCK MULCH, 3/4" REBEL RED GRANITE

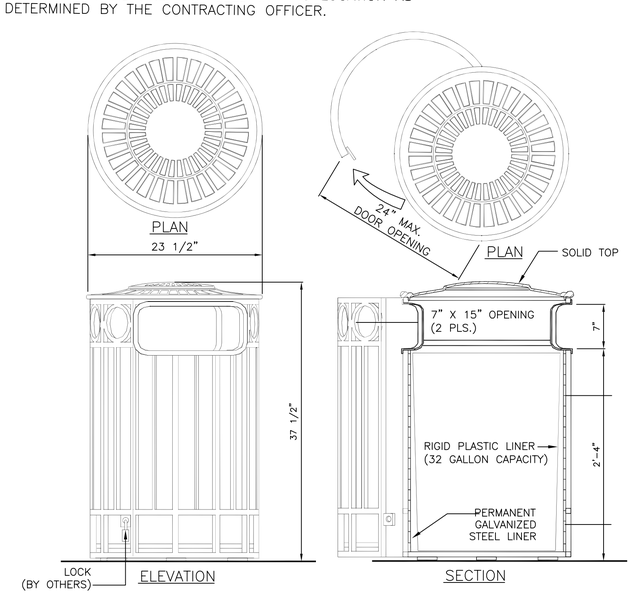
BOULDER SIZES ARE ROUGH AVERAGES:
- SIZE: 2'X2'X3'; TOTAL 5
- SIZE: 2'X3'X3'; TOTAL 5
- SIZE: 3'X4'X4'; TOTAL 2

GRAPHIC SCALE

HORIZ.: 1"=10'

10 0 5 10 20 30

(IN FEET)



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

WASTE RECEPTACLE

NOT TO SCALE

9 L-101 L-101

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: P.HILL
Dwn by: P.HILL
Reviewed by: S.JONES
Submitted by: R.DEBIN
Chief, Co. Des. Sec. B

Date: 10/21/05
Spec No.: 1304
Rev.
Design File no: 239-25-539
Drawing Code:
File name: N38L101
Plot date: 13 APR 2005
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

NELLIS AFB

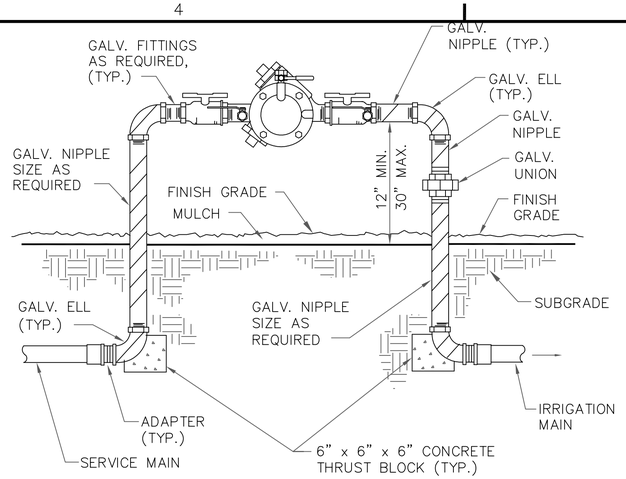
F/A-22 ADD/ALTER WEAPONS SCHOOL

LANDSCAPE LAYOUT PLAN

Sheet reference number:

L-101

Border Revised 03/01/04, CDESINTD2.DWG



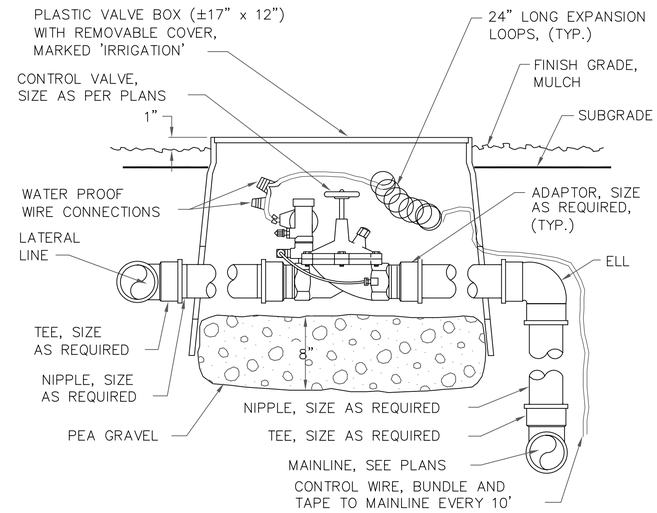
NOTES:

1. BACKFLOW PREVENTER ASSEMBLY TO BE INSTALLED A MINIMUM OF 3' AWAY FROM PAVED AREAS WHENEVER POSSIBLE.
2. INSTALL IN SHRUB PLANTED AREAS WHENEVER POSSIBLE.
3. ALL GALVANIZED PIPES AND FITTINGS SHALL BE WRAPPED WITH CORROSION PROTECTION TAPE BELOW GRADE AND WITH 1/2" MINIMUM THICKNESS FLEXIBLE CELLULAR INSULATION ABOVE GRADE.

REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY

1

NOT TO SCALE — SPEC 02811 | L-401



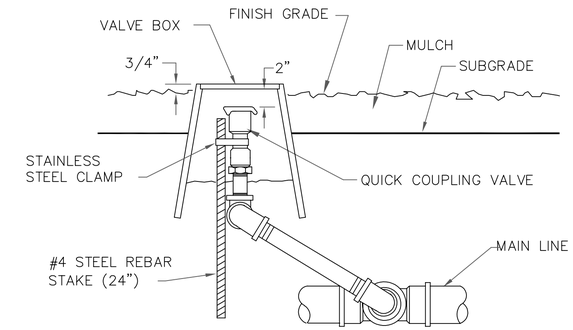
NOTES:

1. ALL EQUIPMENT, PIPING AND PIPE FITTINGS SHALL BE OF THE MATERIALS AND STANDARDS OUTLINED IN SPECIFICATIONS.
2. LOCATE VALVE BOXES 12" (MIN.) FROM PAVED SURFACES IN NEAREST SHRUB OR GROUND COVER PLANTED AREA.

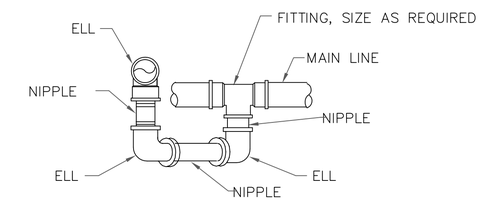
CONTROL VALVE

2

NOT TO SCALE — SPEC 02811 | L-401



SIDE VIEW



PLAN VIEW

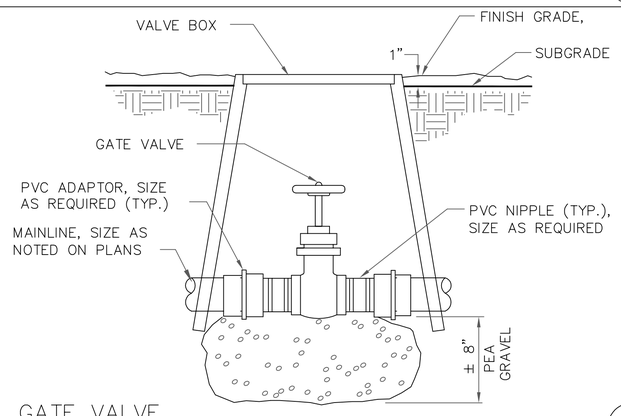
NOTE:

1. ALL NIPPLES AND FITTINGS TO BE OF SCH. 80 PVC.

QUICK COUPLING VALVE

3

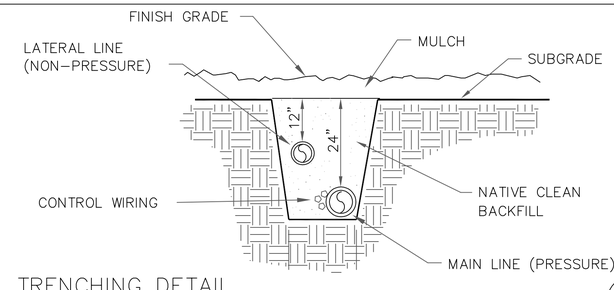
NOT TO SCALE — SPEC 02811 | L-401



GATE VALVE

4

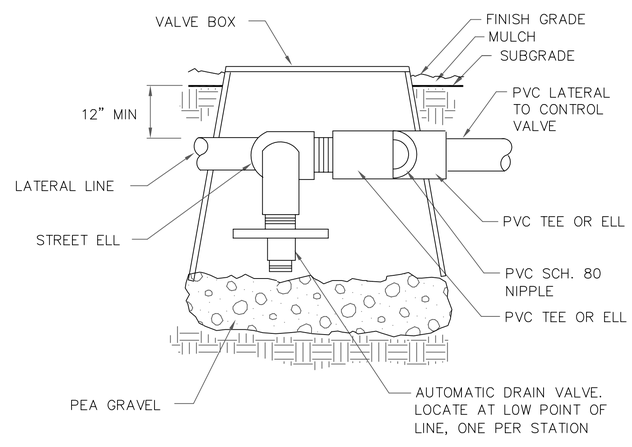
NOT TO SCALE — SPEC 02811 | L-401



TRENCHING DETAIL

5

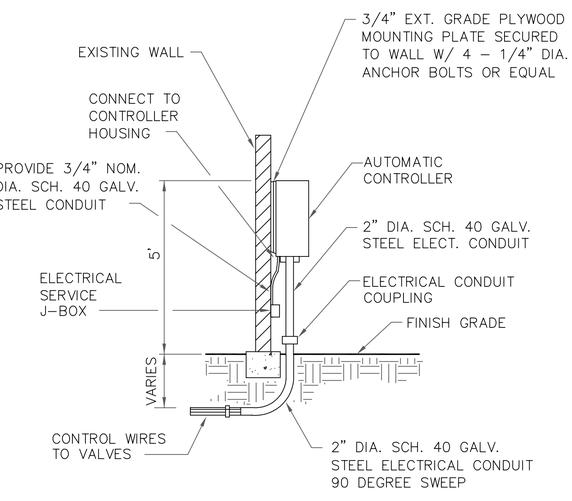
NOT TO SCALE — SPEC 02811 | L-401



AUTOMATIC DRAIN VALVE

6

NOT TO SCALE — SPEC 02811 | L-401



AUTOMATIC CONTROLLER (WALL MOUNT)

7

NOT TO SCALE — SPEC 02811 | L-401

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: P.HILL
Dwn by: PKH
Spec No.: 1304
Reviewed by: S.JONES
Submitted by: J.J. Sellers, Chief Const. Div. Sec. "B"
Date: 10/21/05
Design file no: 229-25-539
Drawing Code:
File name: N36-401
Plot date: 12 APR 2005
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

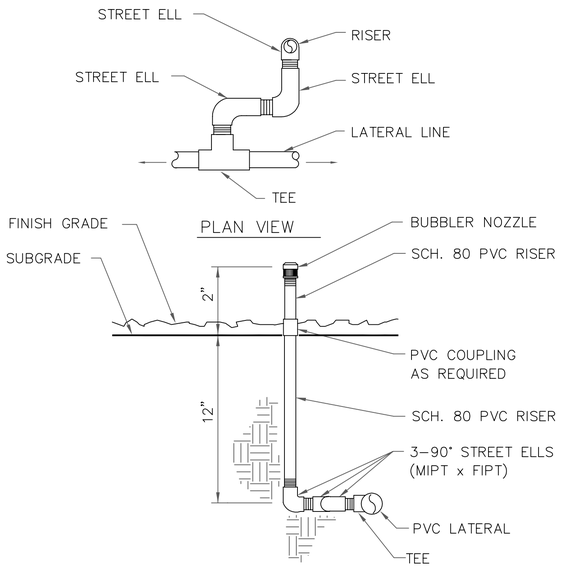
NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

LANDSCAPE IRRIGATION DETAILS

Sheet reference number:
L-401

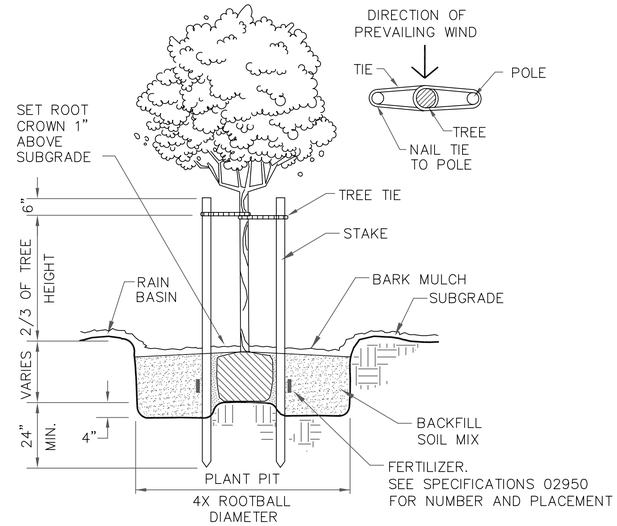
Border Revised 03/01/04, CDESN1102.DWG



BUBBLER ON RISER

NOT TO SCALE

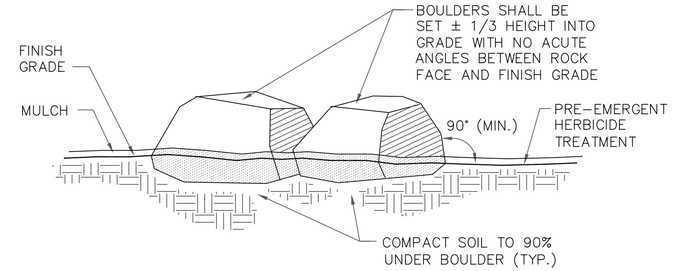
SPEC 02811 | L-402 (1)



TREE STAKING AND PLANTING

NOT TO SCALE

L-101 | L-402 (2)



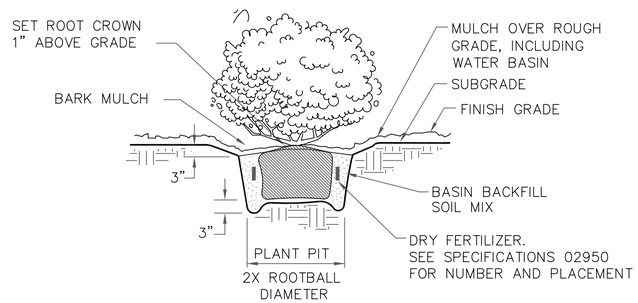
NOTE:

1. BOULDERS SHALL BE SIZED AND ARRANGED AS IN A NATURAL APPEARING LAYOUT.

BOULDER PLACEMENT

NOT TO SCALE

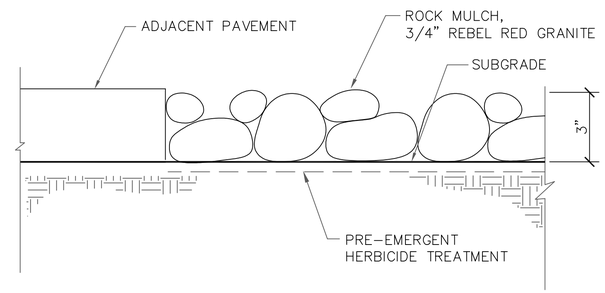
L-101 | L-402 (3)



SHRUB PLANTING

NOT TO SCALE

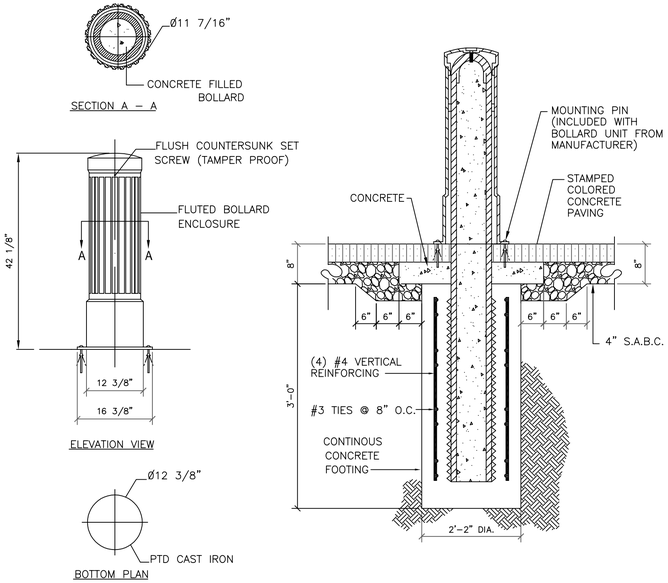
L-101 | L-402 (5)



ROCK MULCH

NOT TO SCALE

L-101 | L-402 (6)



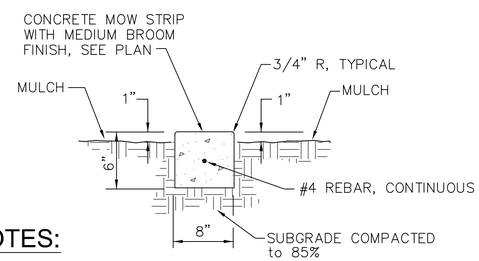
NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

HIGH IMPACT BOLLARD

NOT TO SCALE

L-101 | L-402 (4)



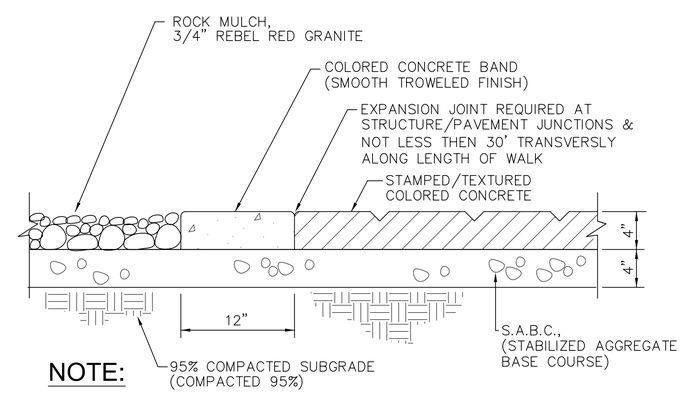
NOTES:

1. INSTALL FELT EXPANSION JOINTS AT 30' O.C. AND CONTROL JOINTS AT 10' O.C.
2. SLOPE ADJACENT GRADE AT 2% (MIN.) AWAY FROM CONCRETE MULCH RESTRAINT. DISTANCE AS REQUIRED TO INSURE DRAINAGE.

CONCRETE MULCH RESTRAINT

NOT TO SCALE

L-101 | L-402 (7)



NOTE:

1. FOR COLOR AND FINISH, SEE SPECIFICATION 02510.

STAMPED COLORED CONCRETE PAVING

NOT TO SCALE

L-101 | L-402 (8)

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: P. HILL
Dwn by: PKH
Spec No.: 1304
Rev.
Date: 10/21/05
Design file no: 239-25-539
Drawing Code:
Reviewed by: S. JONES
Submitted by: Chief, Civil Des. Sec. "B"
File name: N36L-401
Plot date: 12 APR 2005
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
LANDSCAPE ARCHITECTURAL DETAILS

Sheet reference number:
L-402

Border Revised 03/01/04, CEGHT02.DWG

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION AND SHALL NOTIFY THE CONTRACTING OFFICER IMMEDIATELY OF ANY DISCREPANCIES.
2. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
3. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY WALL BRACING DURING CONSTRUCTION.
5. SPECIFIC NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
6. OPENINGS, POCKETS, ETC. LARGER THAN 6" SHALL NOT BE PLACED IN CONCRETE SLABS, DECKS, BEAMS, JOISTS, COLUMNS, WALLS, ETC. UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE CONTRACTING OFFICER.
7. LOADS DUE TO CONSTRUCTION MATERIALS PLACED ON FLOORS OR ROOF SHALL NOT EXCEED THE DESIGN LIVE LOADS.
8. FINISH FLOOR ELEVATION 0'–0" ON THE STRUCTURAL DRAWINGS IS FOR REFERENCE ONLY, REFER TO THE CIVIL DRAWINGS FOR ACTUAL ELEVATION.
9. BEFORE PLACING CONCRETE OR CMU, SEE CIVIL, ARCHITECTURAL, AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS AND EMBEDDED ITEMS NOT SHOWN ON STRUCTURAL DRAWINGS.
10. DO NOT EMBED ANY ITEMS NOT SHOWN ON PLANS IN STRUCTURAL CONCRETE OR CMU WITHOUT THE APPROVAL OF THE CONTRACTING OFFICER.
11. ALL EQUIPMENT ANCHOR BOLTS SHALL BE SET WITH TEMPLATES. THE CONTRACTOR SHALL VERIFY SIZES, DIMENSIONS, AND LOCATIONS OF ALL EQUIPMENT ANCHOR BOLTS.
12. STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, DUCTS, ETC. WITHOUT THE APPROVAL OF THE CONTRACTING OFFICER.
13. DETAILS WHICH ARE NOT SHOWN WILL CONFORM, IN GENERAL, TO DETAILS OF SIMILAR CONSTRUCTION SHOWN ELSEWHERE ON THE DRAWINGS.
14. LOCATE ALL SLAB CONTROL JOINTS AND CONSTRUCTION JOINTS A MINIMUM OF 3" AWAY FROM THE CENTERLINE OF THE STUD WALLS SO AS NOT TO INTERFERE WITH STUD ANCHORS.
15. SEE SHEET S–502 FOR EXCAVATION REQUIREMENTS UNDER FOOTINGS AND SLABS.

MATERIAL STRESSES

CONCRETE	
ALL OTHERS	f'c = 3 KSI
SECOND FLOOR	f'c = 4 KSI
REINFORCING STEEL – ASTM A615	Fy = 60 KSI
CONCRETE MASONRY UNITS	f'm = 1,500 PSI
MORTAR	f'm = 1,800 PSI
GROUT	f'm = 2,000 PSI
STRUCTURAL & MISCELLANEOUS STEEL	
STRUCTURAL STEEL – ASTM A992	Fy = 50 KSI
MISC. STEEL – ASTM A36	Fy = 36 KSI
HSS – ASTM A500 GRADE B	Fy = 46 KSI
STEEL DECKING	Fy = 35 KSI
OPEN WEB JOISTS:	
K SERIES CHORDS	Fy = 50 KSI
K SERIES WEBS	Fy = 36 KSI OR 50 KSI
LH SERIES WEBS	Fy = 33 KSI OR 50 KSI
LIGHT GAGE COLD FORMED STEEL:	
16 GAGE AND HEAVIER	Fy = 50 KSI
18 GAGE AND LIGHTER	Fy = 33 KSI
BOLTS:	
IN STRUCTURAL STEEL	ASTM A325
IN COLD FORMED STEEL	ASTM A307
IN CONCRETE OR CMU	ASTM A307
ALLOWABLE SOIL BEARING PRESSURE:	
FOR DEAD LOAD + LIVE LOAD	3 KSF
FOR COMBINATIONS WITH WIND OR SEISMIC LOADS	4 KSF

ONE–THIRD INCREASE ALLOWED FOR MATERIAL STRESSES UNDER WIND AND SEISMIC LOADINGS.

DESIGN LOADS

(UFC 1–200–01, DESIGN: GENERAL BUILDING REQUIREMENTS, DATED 31 JULY 2002. THIS DOCUMENT REFERENCES THOSE PROVISIONS OF THE 2000 INTERNATIONAL BUILDING CODE, WHICH ARE TO BE USED IN THE DESIGN OF THIS PROJECT, UON.)

LIVE LOADS

ROOF (REDUCIBLE):	20 PSF
FIRST FLOOR:	
SLAB–ON–GRADE, 6" THICK	150 PSF
SECOND FLOOR:	
BREAK ROOM	60 PSF
CORRIDOR	80 PSF
LOBBY	100 PSF
LIBRARY	150 PSF
OFFICES	50 PSF
MECHANICAL ROOM	150 PSF
PARTITIONS	20 PSF
RESTROOM	60 PSF
STAIRS	100 PSF
STORAGE	125 PSF

SEISMIC LOAD

(2000 INTERNATIONAL BUILDING CODE)

SEISMIC USE GROUP	II
V = CsW	0.1372W
Sds	0.5489
Sd1	0.2609
SITE CLASSIFICATION	CLASS D
I	1.00
R (SPECIAL REINFORCED MASONRY SHEAR WALL)	5.0
ANALYSIS PROCEDURE	EQUIVALENT–LATERAL FORCE
SEISMIC DESIGN CATEGORY	D

SNOW LOAD

(ASCE 7–98, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES)

GROUND SNOW LOAD	5 PSF
EXPOSURE	C
IMPORTANCE FACTOR	1.10

WIND LOADS

(ASCE 7–98, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES)

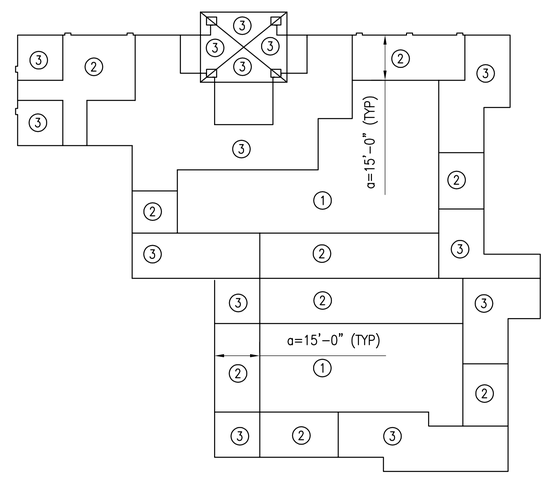
BASIC WIND SPEED	90 MPH
EXPOSURE	C
IMPORTANCE FACTOR	1.15

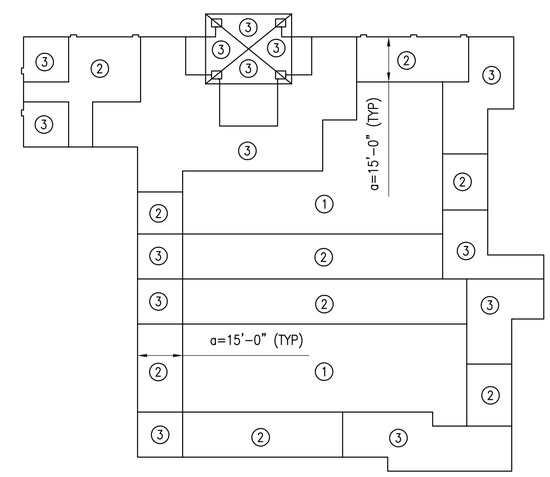
GROSS WIND PRESSURES ON BUILDING COMPONENTS AND CLADDING (GROSS UPLIFT ROOF PRESSURES (PSF))

TRIBUTARY AREA (SF)	a = 15'–0"		
	ZONE 1	ZONE 2	ZONE 3
10	–28.49	–47.81	–71.95
20	–27.77	–42.98	–59.88
50	–26.80	–36.94	–44.19
100	–26.08	–30.91	–30.91
200	–26.08	–30.91	–30.91
500	–26.08	–30.91	–30.91

NOTE:

CONTRACTOR/JOIST MANUFACTURER SHALL DETERMINE NET UPLIFT FOR THE DESIGN OF ROOF JOISTS AND THEIR BRIDGING. CONTRACTOR SHALL PROVIDE THE ACTUAL DEAD WEIGHT OF ROOF MATERIAL ABOVE JOISTS TO JOIST MANUFACTURER.





INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grassarth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Pedegos
Submitted by: Jeff R. Nelle
Chief, Struct. Des. Sec.
Date: 10/21/05
Rev.
Design File no: 229–25–539
Drawing Code:
File name: N305–001X00.dwg
Plot date: 10/05/05, 09:28:31
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN–HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814–2922

NELLIS AFB NEVADA

F/A–22 ADD/ALTER WEAPONS SCHOOL

GENERAL STRUCTURAL NOTES AND DESIGN NOTES

Sheet reference number:
S–001

Border: Revised 03/01/04, 002SH002.DWG

CONCRETE MASONRY NOTES

1. ALL VERTICAL REINFORCEMENT SHALL BE CONTINUOUS FOR THE FULL HEIGHT OF WALL AND SHALL BE LOCATED AT CENTER OF THE MASONRY BLOCK UNLESS OTHERWISE NOTED.
2. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT INTERVALS NOT TO EXCEED 8'–0".
3. GROUT ALL CELLS. NOTIFY CONTRACTING OFFICER PRIOR TO PLACING GROUT.
4. THOROUGHLY CLEAN ALL CELLS AND BOND BEAMS OF MORTAR BEFORE GROUTING.
5. WHEN GROUTING WILL BE INTERUPTED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF GROUT 1–1/2" BELOW THE UPPERMOST UNIT.
6. PLACE ALL HORIZONATL BARS IN BOND BEAM UNITS. WHEN 2 BARS ARE USED, STAGGER LAP SPLICES A MINIMUM OF 5'–0".
7. ALL EMBEDDED ITEMS (BOLTS, ETC.) SHALL BE SECURED IN PLACE PRIOR TO GROUTING. PROVIDE A MINIMUM OF 8" OF GROUT ALL AROUND EMBEDDED ITEMS IN MASONRY.
8. UNLESS OTHERWISE NOTED, TYPICAL CMU REINFORCEMENT SHALL BE:

	FOR 8" CMU		FOR 12" CMU
VERT.	1– #5 @ 24"O.C.	VERT.	2– #5 @ 24"O.C.
HORIZ.	2– #5 @ 48"O.C.	HORIZ.	2– #5 @ 48"O.C.

9. DOWELS FROM CONCRETE FOOTINGS SHALL MATCH VERTICAL CMU REINFORCEMENT.
10. REINFORCEMENT LAPS AND SPLICES SHALL BE 48 BAR DIAMETERS. NO SPLICES ARE ALLOWED ON LINTEL BARS OVER CMU OPENINGS.
11. REINFORCE OPENINGS AS SHOWN ON DRAWINGS. REINFORCEMENT IS NOT REQUIRED AROUND OPENINGS SMALLER THAN 8" IN BOTH DIRECTIONS.
12. GRIND SPLIT FACE CMU SMOOTH FOR ALL MOUNTED ITEMS AND CONNECTIONS. OR, USE SMOOTH FACE BLOCK UNDER THE MOUNTED ITEMS.
13. THE LENGTH SPECIFIED FOR EMBEDDED ITEMS (BOLTS, ETC.) IS A NET EMBEDDED LENGTH.
14. CLOSED END BLOCKS SHOWN FOR INTERIOR WALLS MAY BE OPEN ENDED AT CONTRACTOR'S OPTION.

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE PROVISIONS OF THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION.
2. CONNECTIONS NOT DETAILED SHALL HAVE STANDARD AISC CONNECTIONS, WHERE NO FORCES ARE SHOWN, THE CONNECTION SHALL DEVELOP 50% OF THE STRENGTH OF THE SMALLER MEMBER BEING CONNECTED. FOR MEMBERS WHOSE CONNECTED PARTS ARE LESS THAN 1/4" THICK, ONLY BOLTED CONNECTIONS SHALL BE ALLOWED.
3. PLACE NON–SHRINKAGE GROUT OR BEDDING MORTAR UNDER ALL BASE PLATES BEFORE ADDING THE VERTICAL LOAD.
4. BOLT HOLES IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED FOR SLOTTED HOLES.
5. STEEL DECK UNITS SHALL SPAN OVER THREE OR MORE SUPPORTS AND HAVE A MINIMUM BEARING OF 2" ON SUPPORTS.
6. ALL COLD FORMED STEEL SHALL BE EITHER GALVANIZED OR CHROME COATED UNLESS OTHERWISE NOTED.
7. ALL STRUCTURAL STEEL BOLTS ARE DESIGNED FOR BEARING TYPE–CONNECTIONS WITH THE THREADS INCLUDED IN THE SHEAR PLANE, UNLESS OTHERWISE NOTED.
8. NONDESTRUCTIVE TESTING OF GROVE WELDS (FOR SPLICES, MOMENT CONNECTIONS, ETC.) SHALL BE PERFORMED FOR 100% OF FIELD WELDS AND 20% OF SHOP WELDS.
9. ALL WELDS FOR A36 & A992 STEEL SHALL BE MADE WITH E70XX ELECTRODES.
10. ALL BUTT–WELDED STUDS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE AWS STRUCTURAL WELDING CODE.
11. ALL GUSSET PLATES SHALL BE 3/8' MINIMUM THICKNESS, UNLESS OTHERWISE NOTED.
12. ALL VERTICAL HOLLOW STRUCTURAL SECTIONS SHALL HAVE A 3/8" DIAMETER WEEP HOLE 1/2" FROM BOTTOM.
13. JOIST BRIDGING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE STEEL JOIST INSTITUTE SPECIFICATIONS. WHERE INTERFERES WITH MECH. OR OTHER INSTALLATIONS, REMOVE BRIDGING AFTER DECK IS IN PLACE AND REPLACE AS DIRECTED BY CONTRACTING OFFICER.
14. DO NOT SUSPEND ANY DUCTS OR OTHER EQUIPMENT FROM JOIST BRIDGING OR FROM STEEL ROOF DECK.
15. DEPTH OF JOIST SEAT AND EXTEND OF SEATS OVER SUPPORTS SHALL BE DETERMINED BY JOIST MANUFACTURER.

CONCRETE NOTES

1. CONSTRUCTION JOINT LOCATION NOT SHOWN ON THE DRAWINGS MUST BE APPROVED BY THE CONTRACTING OFFICER.
2. CHAMFER ALL EXPOSED CORNERS OF CAST–IN–PLACE CONCRETE 3/4", UNLESS OTHERWISE NOTED.
3. REINFORCED BAR LAP SPLICES SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI–318–99).
4. MINIMUM COVER FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI–318–99).
5. REINFORCEMENT SPACINGS SHOWN ARE CENTER TO CENTER OF BARS.
6. ALL REINFORCEMENT IS CONTINUOUS, UNLESS OTHERWISE NOTED.
7. WELDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AWS STRUCTURAL WELDING CODE, D1.4 AND SHALL BE CONTINUOUSLY INSPECTED.
8. ALL REINFORCING BARS, ANCHOR BOLTS, AND OTHER CONCRETE INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.
9. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL CONDUITS IN CONCRETE. CORING OF CONCRETE OR CUTTING OF ANY BARS IS NOT PERMITTED WITHOUT THE APPROVAL OF THE CONTRACTING OFFICER.
10. ALL BENDS IN REINFORCING BARS SHALL BE MADE WITHOUT HEATING THE BARS.
11. TYPICAL SPACING OF TEMPERATURE STEEL IN CONCRETE SLABS MAY BE ADJUSTED UP TO 6" TO AVOID INTERFERENCES WITH EMBEDDED ITEMS.

STRUCTURAL ENGINEERING

AB	ANCHOR BOLT		IN	INCH, INCHES
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION		JT	JOINT
ARCH	ARCHITECTURAL		LG	LONG
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS		LL	LIVE LOAD
AWS	AMERICAN WELDING SOCIETY		LLH	LONG LEG HORIZONTAL
BLD'G	BUILDING		LLV	LONG LEG VERTICAL
BOF	BOTTOM OF FOOTING		MAX	MAXIMUM
BOS	BOTTOM OF STEEL		MECH	MECHANICAL
BRG	BRIDGING		MFR	MANUFACTURER
C	CAMBER		MIN	MINIMUM
CJ	CONSTRUCTION JOINT		MISC	MISCELLANEOUS
CL / ℄	CENTERLINE		NO.#	NUMBER
CLR	CLEAR		NTS	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT		OC	ON CENTER
COL	COLUMN		OWJ	OPEN WEB JOIST
CONC	CONCRETE		PFJ	PERIMETER FELT JOINT
CONT	CONTINUOUS		PL	PLATE
CP	COMPLETE PENATATION (WELD)		PLF	POUND PER LINEAR FOOT
CTJ	CONTRACTION JOINT		PSF	POUNDS PER SQUARE FOOT
CWB	CAPILARRY WATER BARRIER		REINF	REINFORCEMENT
DBL	DOUBLE		REQD	REQUIRED
DET	DETAIL		RM	ROOM
DIA / ø	DIAMETER		S	SECTION MODULUS
DIM	DIMENSION		SF	SQUARE FEET
DL	DEAD LOAD		SIM	SIMILAR
DO	DITTO (SAME AS ABOVE)		SJI	STEEL JOIST INSTITUTE
DWG	DRAWING		SP	SPECIAL DESIGN OPEN WEB JOIST
EA	EACH		SQ	SQUARE
EL/ELEV	ELEVATION		STL	STEEL
ELEC	ELECTRICAL		SYMM	SYMMETRICAL
EQ	EQUAL		T.O.C.	TOP OF CONCRETE
EQUIP	EQUIPMENT		T.O.M.	TOP OF MASONRY
EW	EACH WAY		T.O.S.	TOP OF STEEL
EXP	EXPANSION		T.O.	TOP OF
FD	FLOOR DRAIN		TYP	TYPICAL
FIN	FINISHED		T&B	TOP AND BOTTOM
FL	FLOOR		UON	UNLESS OTHERWISE NOTED
FOM	FACE OF MASONRY		VERT	VERTICAL
FOS	FACE OF STEEL		WT	WEIGHT
FT	FEET, FOOT		WCJ	WALL CONTROL JOINT
FTG	FOOTING		W/	WITH
Fy	STEEL YIELD STRENGTH		W/O	WITHOUT
f'c	CONCRETE COMPRESSIVE STRENGTH		&	AND
f'm	MASONRY COMPRESSIVE STRENGTH		/, L	ANGLE
GA	GUAGE		@	AT
HSS	HOLLOW STRUCTURAL SECTION		#	NUMBER
HORIZ	HORIZONTAL			
I	MOMENT OF INERTIA, IMPORTANCE FACTOR			

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Date: 10/21/05
Dwn by: JC
Spec No.: 1304
Design File no: 229–25–539
Drawing Code:
Reviewed by: J. Pestegos
Supervised by: A/E B. Burns
Chief, Struct. Des. Sec.
File name: N39C–S02001.dwg
Plot date: 10/06/05, 10:12:25
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN–HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814–2922

NEVADA

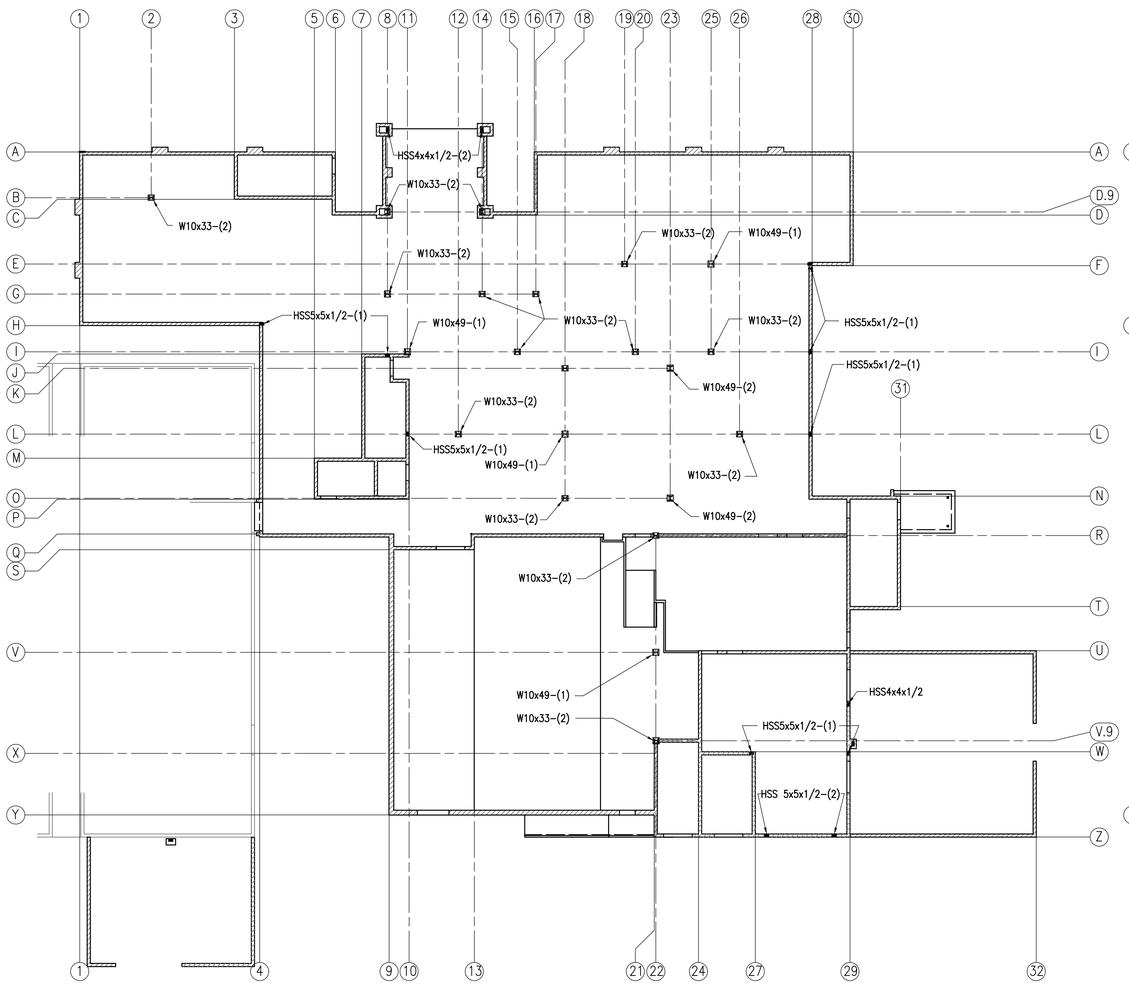
NELLIS AFB

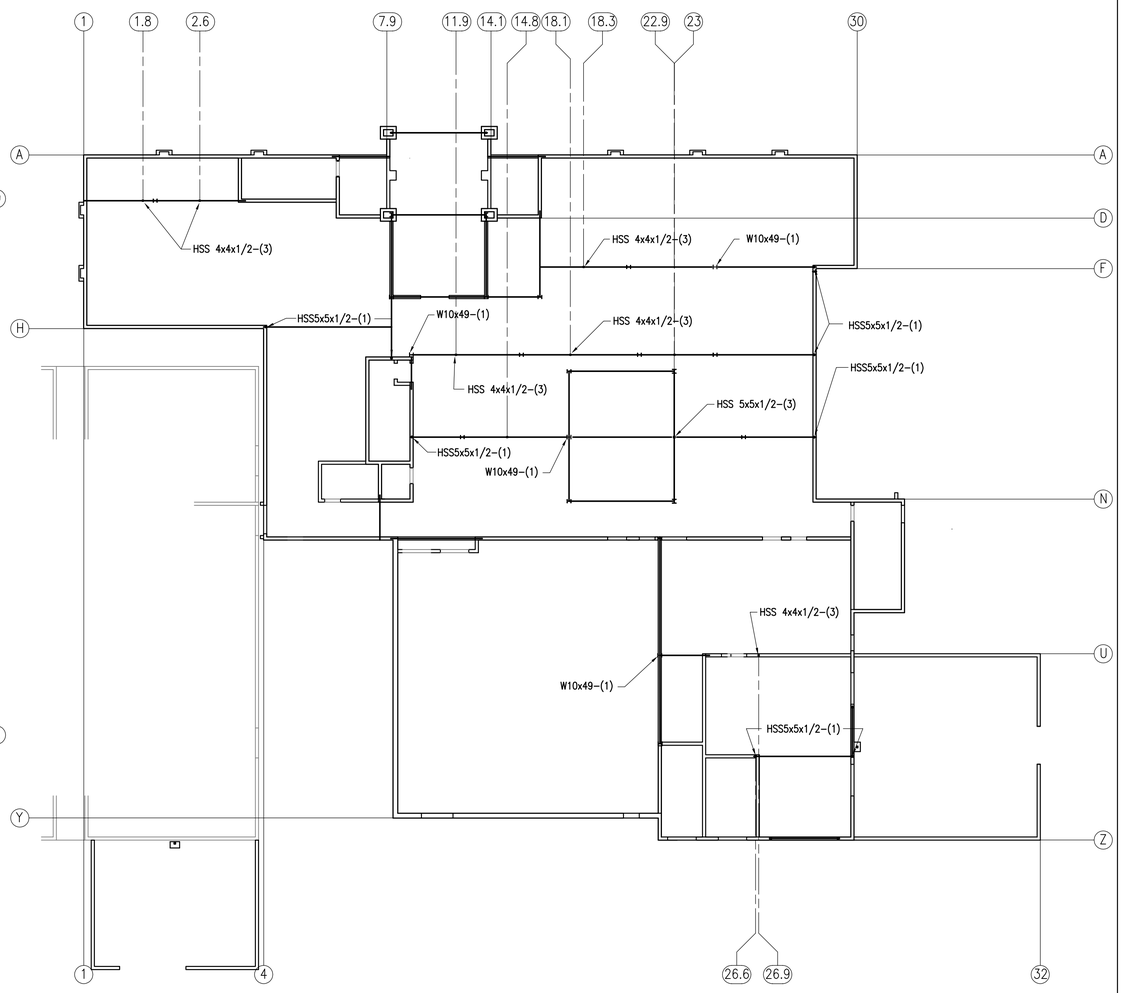
F/A–22 ADD/ALTER WEAPONS SCHOOL

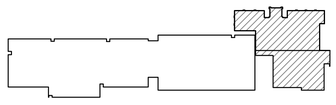
GENERAL STRUCTURAL NOTES AND ABBREVATIONS

Sheet reference number:
S–002

Border Revised 03/01/04, CESPKTD2.DWG







KEY PLAN

NTS

GRID LINE LAYOUT FOR WALLS AND COLUNMS AT FIRST FLOOR PLAN AREAS A AND B ~ BUILDING 282 ADDITION

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

NOTES:

1. GRID LINE LAYOUT SHOWN FOR REFERENCE ONLY.
2. FOUNDATION PLAN NOT SHOWN FOR CLARITY. SEE SHEETS S-103 AND S-104.
3. FLOOR PLAN NOT SHOWN COMPLETELY FOR CLARITY. SEE SHEETS S-105 AND S-106.

COLUMN SCHEDULE AND NOTES

SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

GRID LINE LAYOUT FOR WALLS AND COLUNMS AT SECOND FLOOR PLAN AREAS A AND B ~ BUILDING 282 ADDITION

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

NOTES:

1. GRID LINE LAYOUT SHOWN FOR REFERENCE ONLY.
2. SECOND FLOOR PLAN NOT SHOWN COMPLETELY FOR CLARITY. SEE SHEETS S-107 AND S108.
3. ROOF FRAMING PLAN NOT SHOWN FOR CLARITY. SEE SHEETS S-109 AND S-110.

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Ckd by: J. Pentages
Reviewed by: J. Pentages
Approved by: Jeff A. Nunn, Chief, Struct. Des. Sec.
Date: 10/21/05
Spec No.: 1304
Design File no: 239-25-539
Drawing Code:
Rev.:
File name: N39S-101XXX.dwg
Plot date: 10/04/05, 15:22:40
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NELLIS AFB

NEVADA

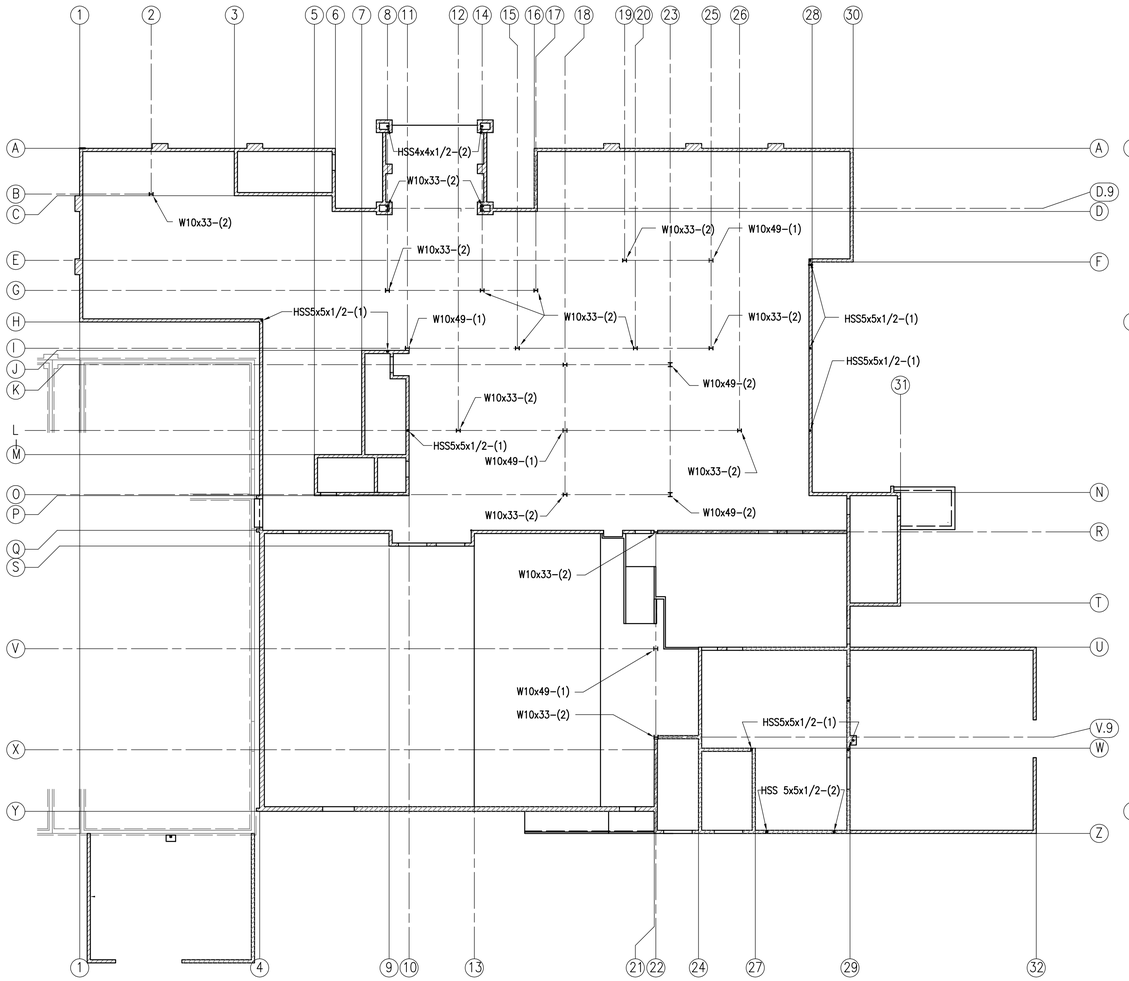
F/A-22 ADD/ALTER WEAPONS SCHOOL

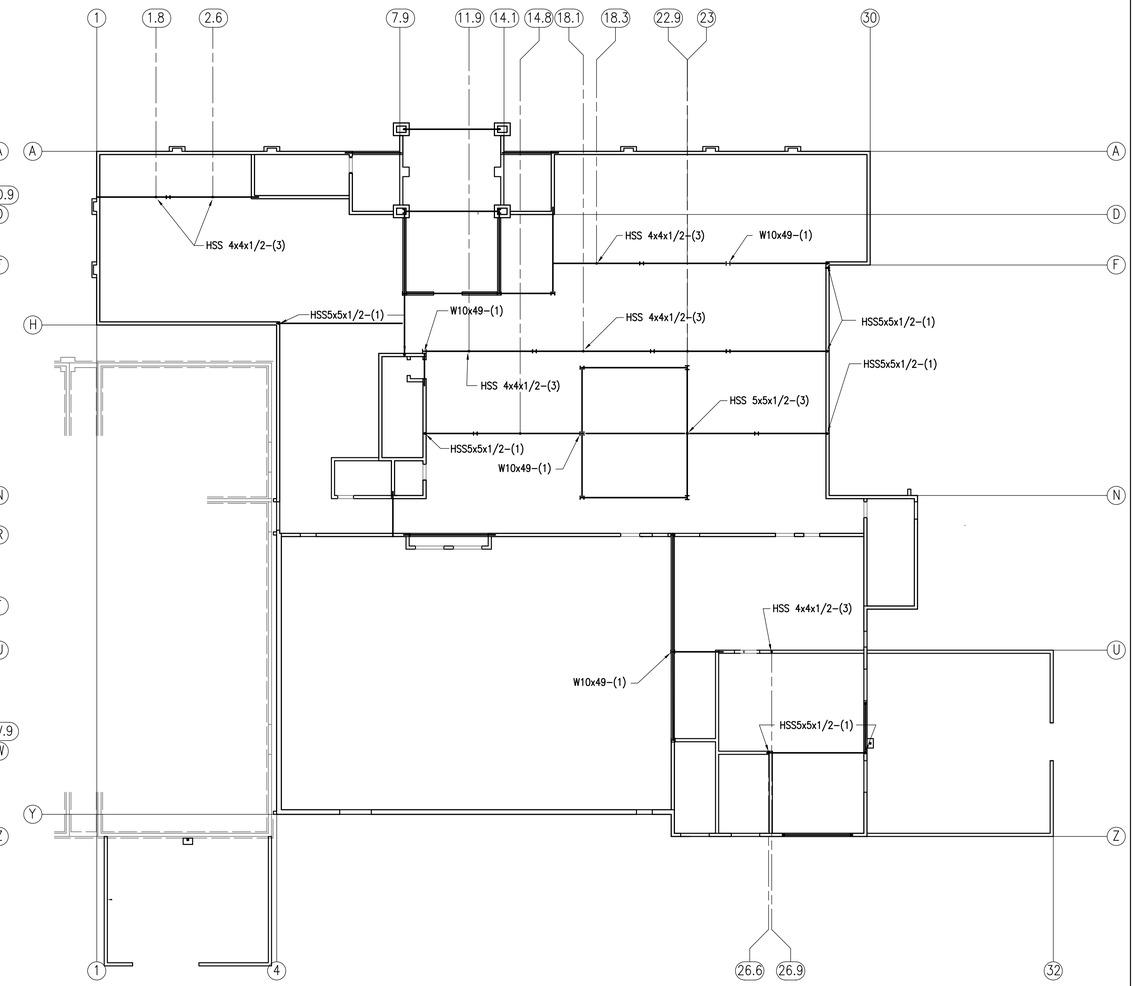
GRID LINE LAYOUT FOR WALLS AND COLUMNS AT FIRST AND SECOND FLOOR PLAN AREAS A AND B BUILDING 282 ADDITION

Sheet reference number:

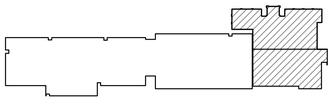
S-101

Border Revised: 03/01/04, CCESHT02.DWG





INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1



KEY PLAN

NTS

GRID LINE LAYOUT FOR WALLS AND COLUNMS AT FIRST FLOOR PLAN AREAS A AND B ~ BUILDING 282 ADDITION

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

NOTES:

1. GRID LINE LAYOUT SHOWN FOR REFERENCE ONLY.
2. FOUNDATION PLAN NOT SHOWN FOR CLARITY. SEE SHEETS S-103A AND S-104A.
3. FLOOR PLAN NOT SHOWN COMPLETELY FOR CLARITY. SEE SHEETS S-105A AND S-106A.

COLUMN SCHEDULE AND NOTES

SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

GRID LINE LAYOUT FOR WALLS AND COLUNMS AT SECOND FLOOR PLAN AREAS A AND B ~ BUILDING 282 ADDITION

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

NOTES:

1. GRID LINE LAYOUT SHOWN FOR REFERENCE ONLY.
2. SECOND FLOOR PLAN NOT SHOWN COMPLETELY FOR CLARITY. SEE SHEETS S-107A AND S108A.
3. ROOF FRAMING PLAN NOT SHOWN FOR CLARITY. SEE SHEETS S-109A AND S-110A.

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Portegys
Approved by: Jay R. Wells
Chief, Struct. Des. Sec.
Date: 10/21/05
Design File no: 239-25-539
Drawing Code:
Rev.
File name: N39R-101XX.dwg
Plot date: 10/04/05, 15:34:58
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NELLIS AFB NEVADA

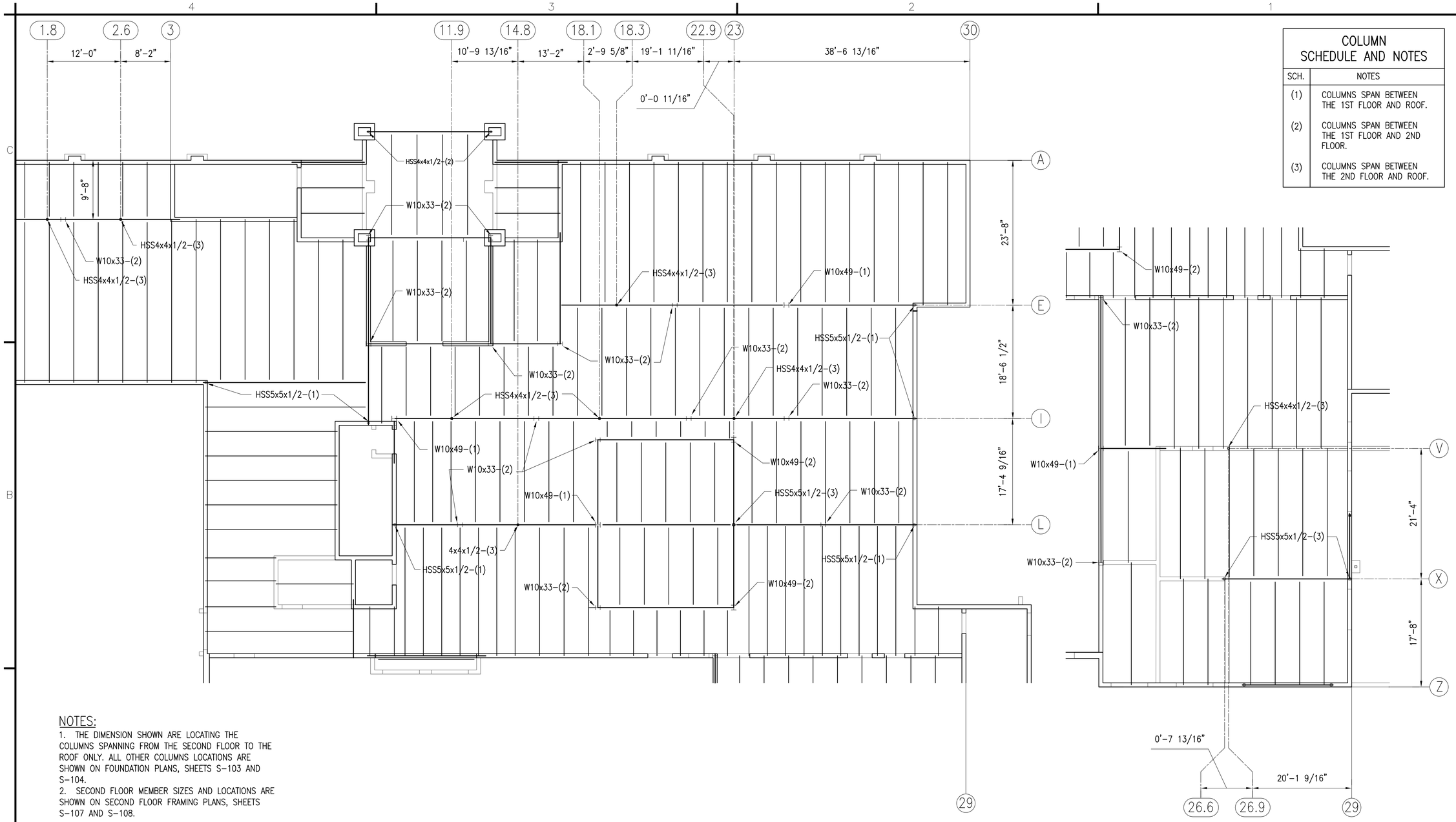
F/A-22 ADD/ALTER WEAPONS SCHOOL

GRID LINE LAYOUT FOR WALLS AND COLUMNS AT FIRST AND SECOND FLOOR PLAN AREAS A AND B BUILDING 282 ADDITION

Sheet reference number:

S-101A

Border Revised 03/01/04, CCESKTD2.DWG



COLUMN SCHEDULE AND NOTES

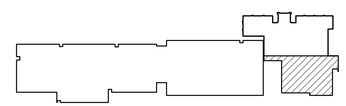
SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

NOTES:

1. THE DIMENSION SHOWN ARE LOCATING THE COLUMNS SPANNING FROM THE SECOND FLOOR TO THE ROOF ONLY. ALL OTHER COLUMNS LOCATIONS ARE SHOWN ON FOUNDATION PLANS, SHEETS S-103 AND S-104.
2. SECOND FLOOR MEMBER SIZES AND LOCATIONS ARE SHOWN ON SECOND FLOOR FRAMING PLANS, SHEETS S-107 AND S-108.

SECOND FLOOR FRAMING PLAN AREAS A AND B ~ BUILDING 282 ADDITION FOR COLUMNS SPANNING BETWEEN SECOND FLOOR AND ROOF

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



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Pentages
Submitted by: Maj/ R. Burns
Chief, Struct. Des. Sec.
Date: 10/21/05
Design File no: 229-25-539
Drawing Code:
File name: N39C-102XX.dwg
Plot date: 10/04/05, 15:38:14
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

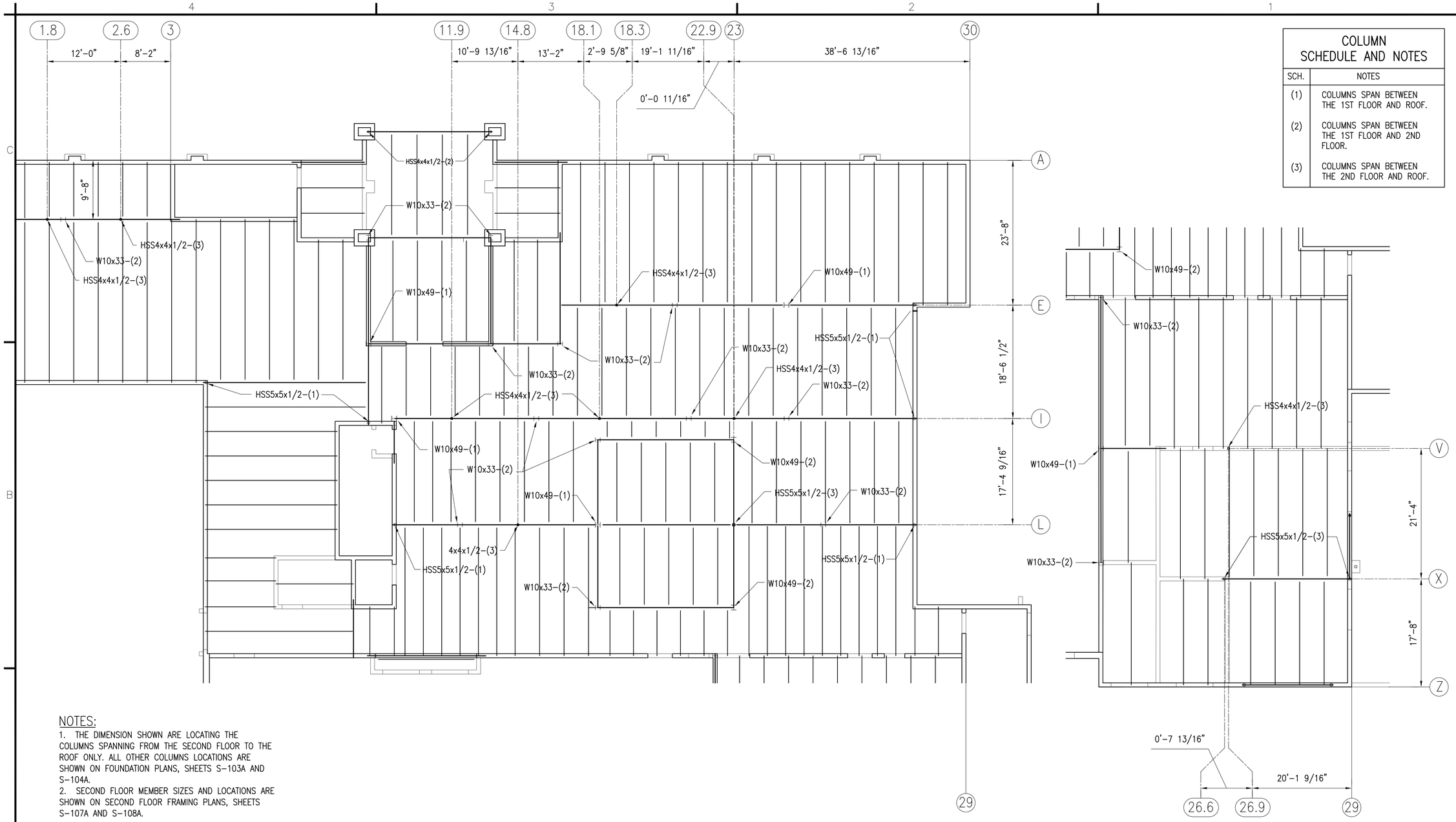
NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

SECOND FLOOR FRAMING PLAN AREAS A AND B
BUILDING 282 ADDITION FOR COLUMNS
SPANNING BETWEEN SECOND FLOOR AND ROOF

Sheet reference number:
S-102

Border Revised 03/01/04, CXESHEET2.DWG



COLUMN SCHEDULE AND NOTES

SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

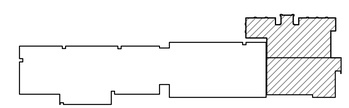
NOTES:

1. THE DIMENSION SHOWN ARE LOCATING THE COLUMNS SPANNING FROM THE SECOND FLOOR TO THE ROOF ONLY. ALL OTHER COLUMNS LOCATIONS ARE SHOWN ON FOUNDATION PLANS, SHEETS S-103A AND S-104A.
2. SECOND FLOOR MEMBER SIZES AND LOCATIONS ARE SHOWN ON SECOND FLOOR FRAMING PLANS, SHEETS S-107A AND S-108A.

SECOND FLOOR FRAMING PLAN AREAS A AND B ~ BUILDING 282 ADDITION FOR COLUMNS SPANNING BETWEEN SECOND FLOOR AND ROOF

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

INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Pentegos
Submitted by: Gary R. Burns, Chief, Struct. Des. Sec.
Date: 10/21/05
Design File no: 229-25-539
Drawing Code:
Rev.
File name: N39S-102V0C.dwg
Plot date: 10/04/05, 15:48:00
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

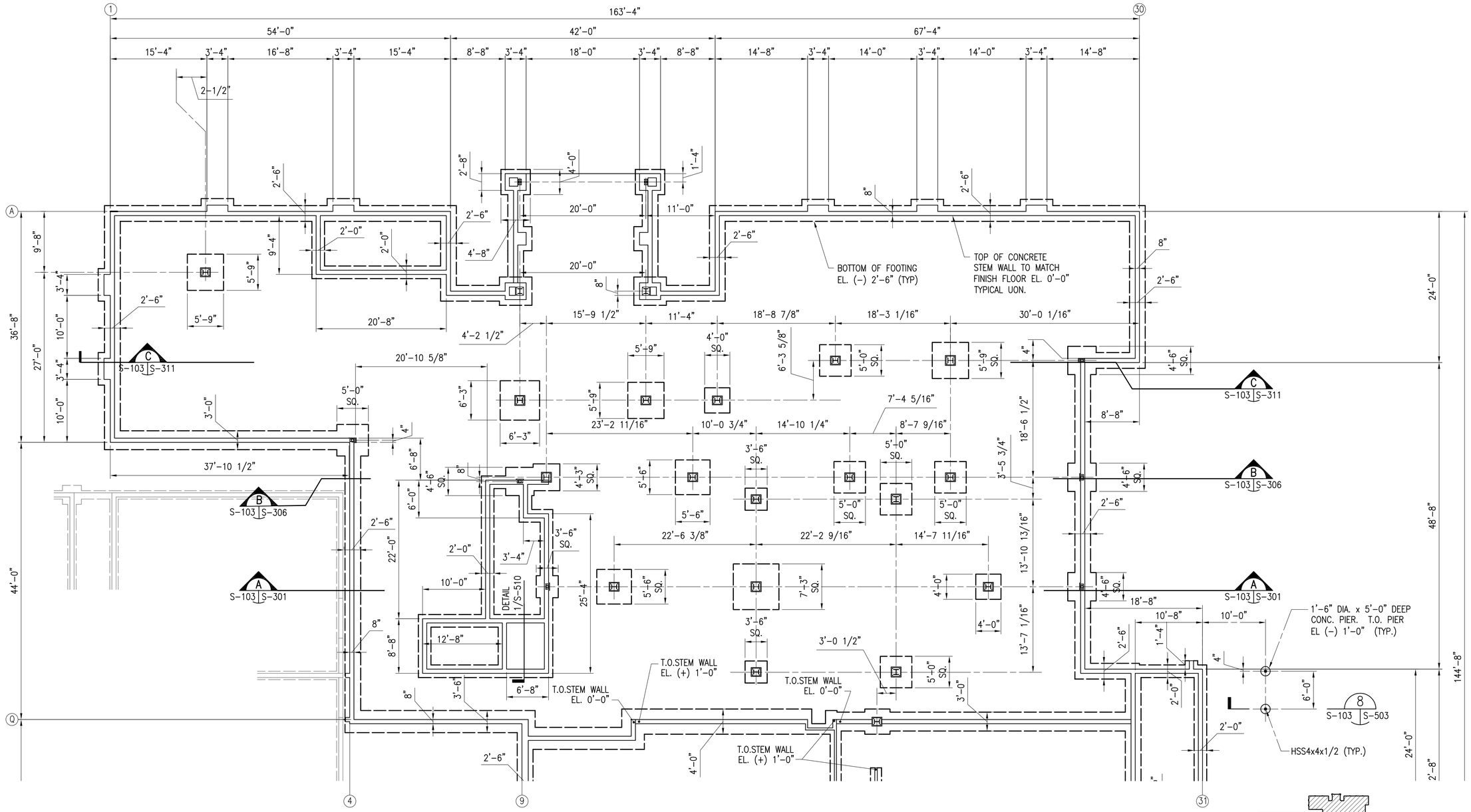
NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

SECOND FLOOR FRAMING PLAN AREAS A AND B
BUILDING 282 ADDITION FOR COLUMNS
SPANNING BETWEEN SECOND FLOOR AND ROOF

Sheet reference number:
S-102A

Border Revised 03/01/04, CXESHEET2.DWG



FOUNDATION PLAN AREA A ~ BUILDING 282 ADDITION

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

KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Pentages
Ctrl by: N/A
Ass'd by: N/A
Chief, Struct. Des. Sec.

Date: 10/21/05
Rev.
Design File no: 229-25-539
Drawing Code:
File name: N3ROS-103XXX.dwg
Plot date: 10/06/05, 13:58:38
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

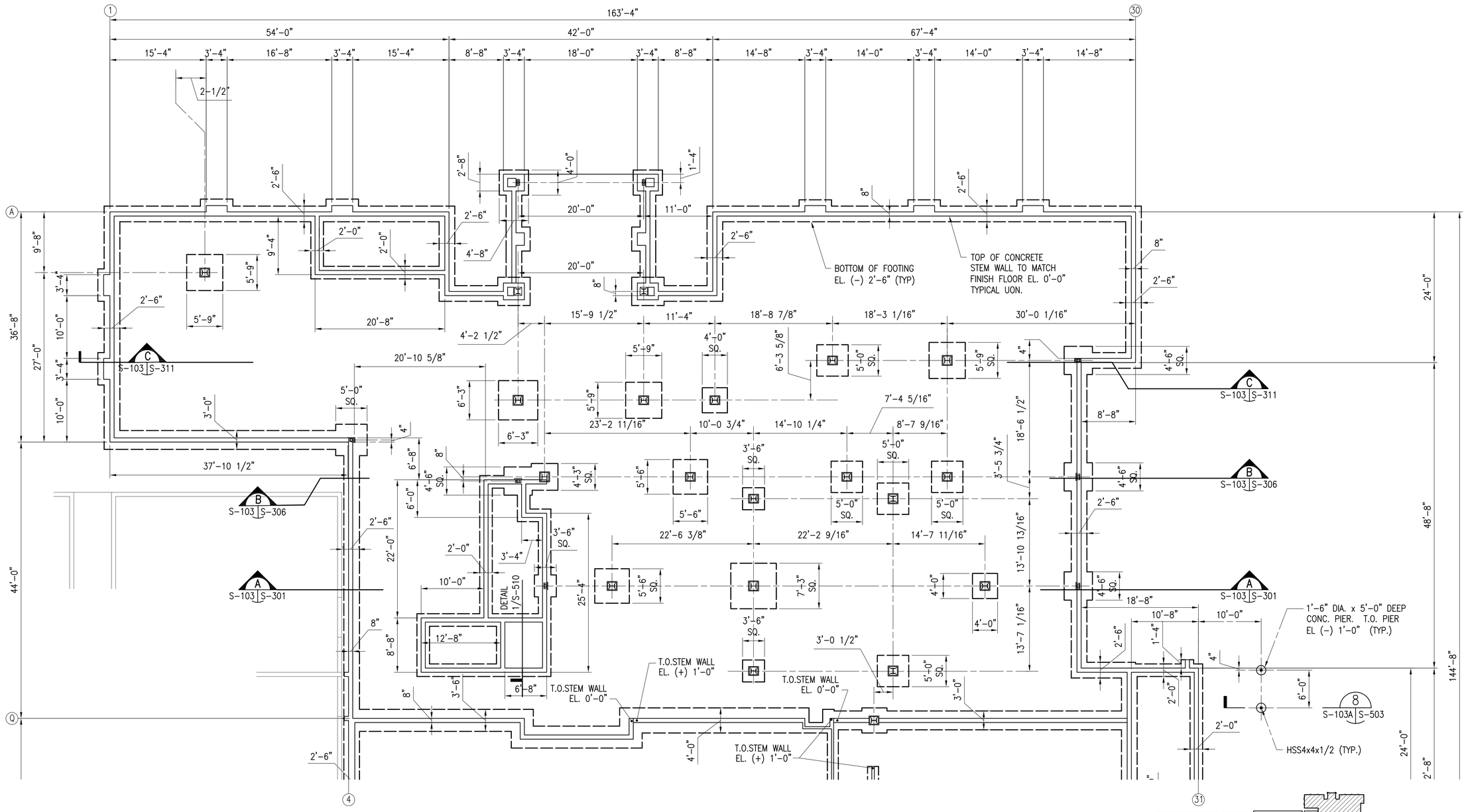
NELLIS AFB
NEVADA

F/A-22 ADD/ALTER WEAPONS SCHOOL

FOUNDATION PLAN AREA A
BUILDING 282 ADDITION

Sheet reference number:
S-103

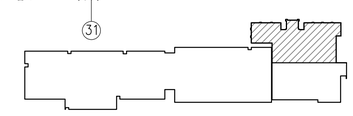
Border Revised: 03/01/04, CDESIGN02.DWG



INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1

FOUNDATION PLAN AREA A ~ BUILDING 282 ADDITION

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



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Von Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: L. Portengas
Submitted by: Ajit B. Nath
Chief, Struct. Des. Sec.
Date: 10/21/05
Rev.:
Design file no: 229-25-539
Drawing Code:
File name: N39E-103YXX.dwg
Plot date: 10/05/05, 14:02:48
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

F/A-22 ADD/ALTER WEAPONS SCHOOL

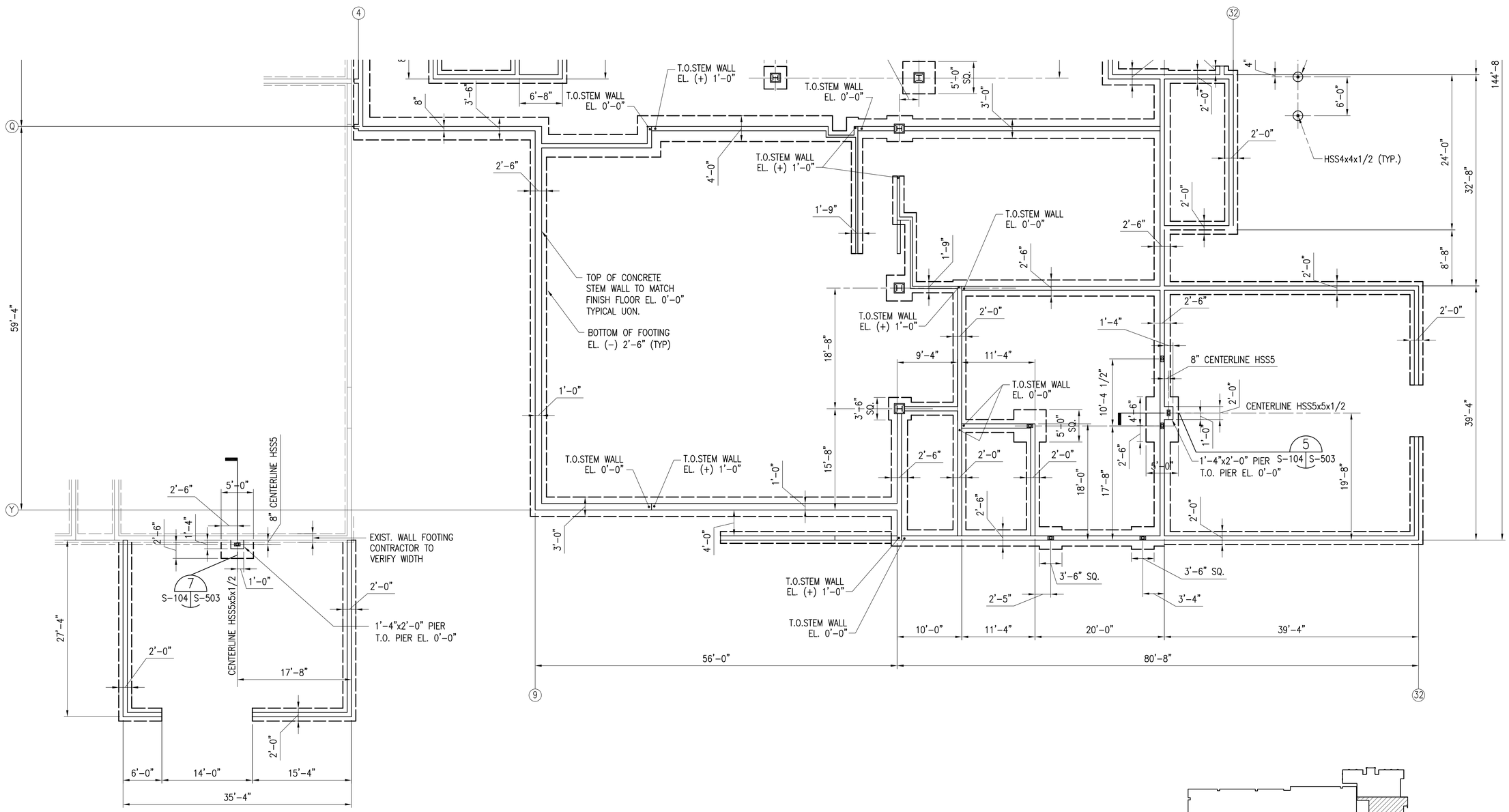
FOUNDATION PLAN AREA A BUILDING 282 ADDITION

NELLIS AFB

Sheet reference number:

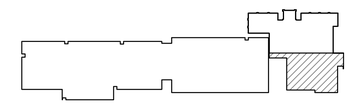
S-103A

Border Revised 03/01/04, CEBHIT02.DWG



FOUNDATION PLAN AREA B ~ BUILDING 282 ADDITION

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



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Von Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Pentegoe, C. Ingersoll, J. R. Nunley
Date: 10/21/05
Design File no.: 229-25-539
Drawing Code:
Rev.
File name: N39C-1304XX.dwg
Plot date: 10/06/05, 14:32:28
Dwg scale: AS_NOTED
Chief, Struct. Des. Sec.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

NELLIS AFB

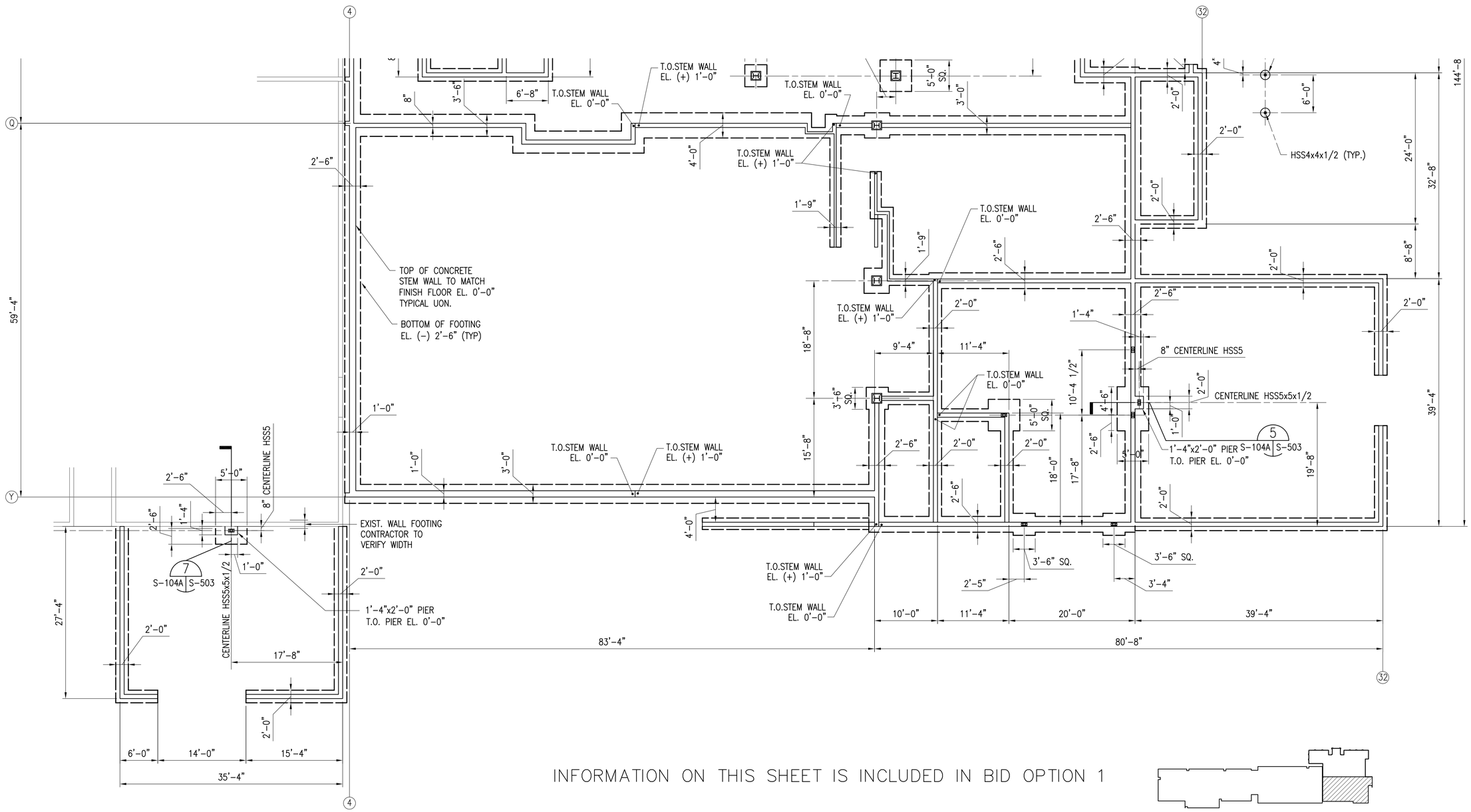
F/A-22 ADD/ALTER WEAPONS SCHOOL

FOUNDATION PLAN AREA B
BUILDING 282 ADDITION

Sheet reference number:

S-104

Border: Revised 03/01/04, CEDSHP02.DWG



INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1

KEY PLAN
NTS

GRAPHIC SCALE
1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

FOUNDATION PLAN AREA B ~ BUILDING 282 ADDITION

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

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec No.: 1304
Design File no.: 229-25-539
Drawing Code:
Reviewed by: J. Pedegana, C. Hoffman, J. Wong, R. Nunley
File name: N39S-1S09XC.dwg
Plot date: 09/29/05, 10:12:39
Dwg scale: AS_NOTED
Chief, Struct. Des. Sec.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

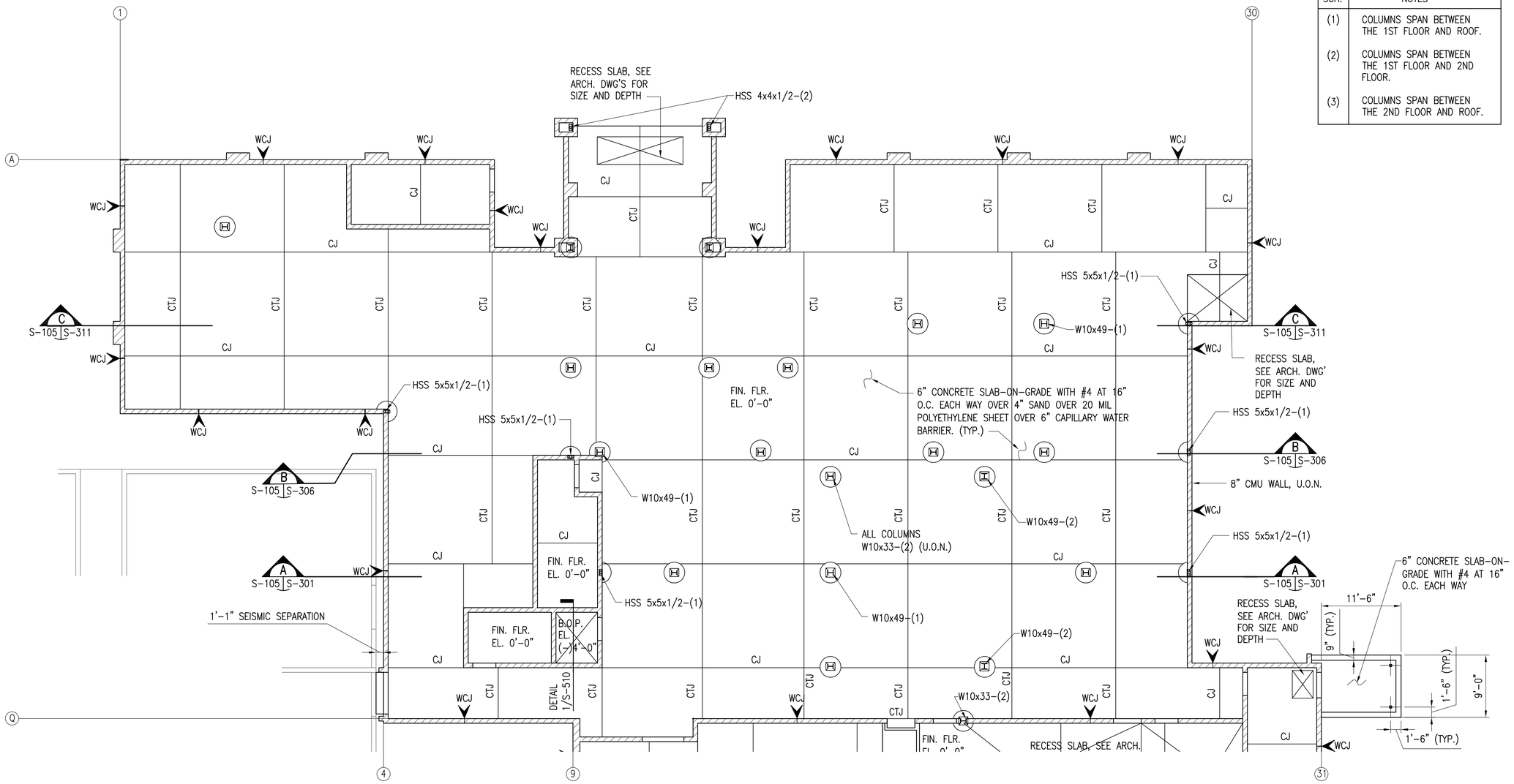
NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL

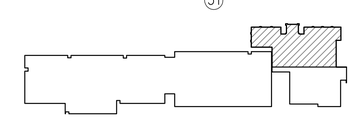
FOUNDATION PLAN AREA B
BUILDING 282 ADDITION

Sheet reference number:
S-104A

Border: Revised 03/01/04, CEDEX/02.DWG

COLUMN SCHEDULE AND NOTES	
SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.





KEY PLAN
NTS

FIRST FLOOR PLAN AREA A ~ BUILDING 282 ADDITION

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

GRAPHIC SCALE
1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Pentages
Approved by: Col. B. Burns, Chief, Struct. Des. Sec.
Date: 10/21/05
Design File no: 229-25-539
Drawing Code:
File name: N39S-1S0XXX.dwg
Plot date: 09/29/05, 10:38:37
Dwg scale: AS_NOTED
Rev.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

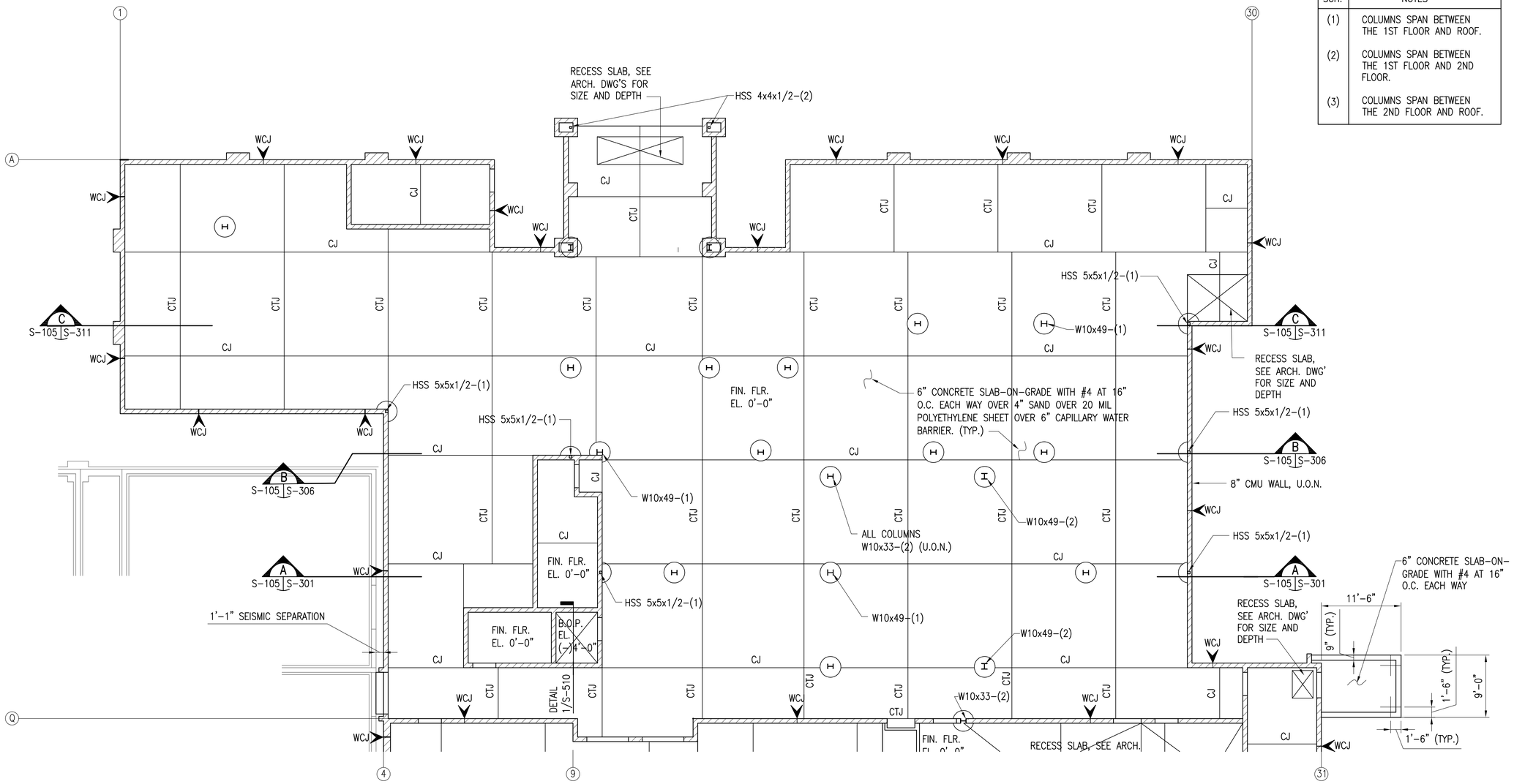
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
FIRST FLOOR PLAN AREA A BUILDING 282 ADDITION

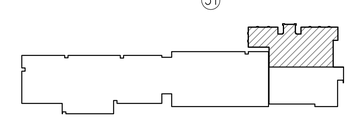
Sheet reference number:
S-105

Border Revised 03/01/04, CXESHEET2.DWG

COLUMN SCHEDULE AND NOTES	
SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.



INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1



KEY PLAN
NTS

FIRST FLOOR PLAN AREA A ~ BUILDING 282 ADDITION

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

GRAPHIC SCALE
1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Pentegos
Approved by: Col. B. Burns, Chief, Struct. Des. Sec.
Date: 10/21/05
Design File no: 229-25-539
Drawing Code:
Rev.
File name: N39S-105S0A.dwg
Plot date: 09/29/05, 11:25:33
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

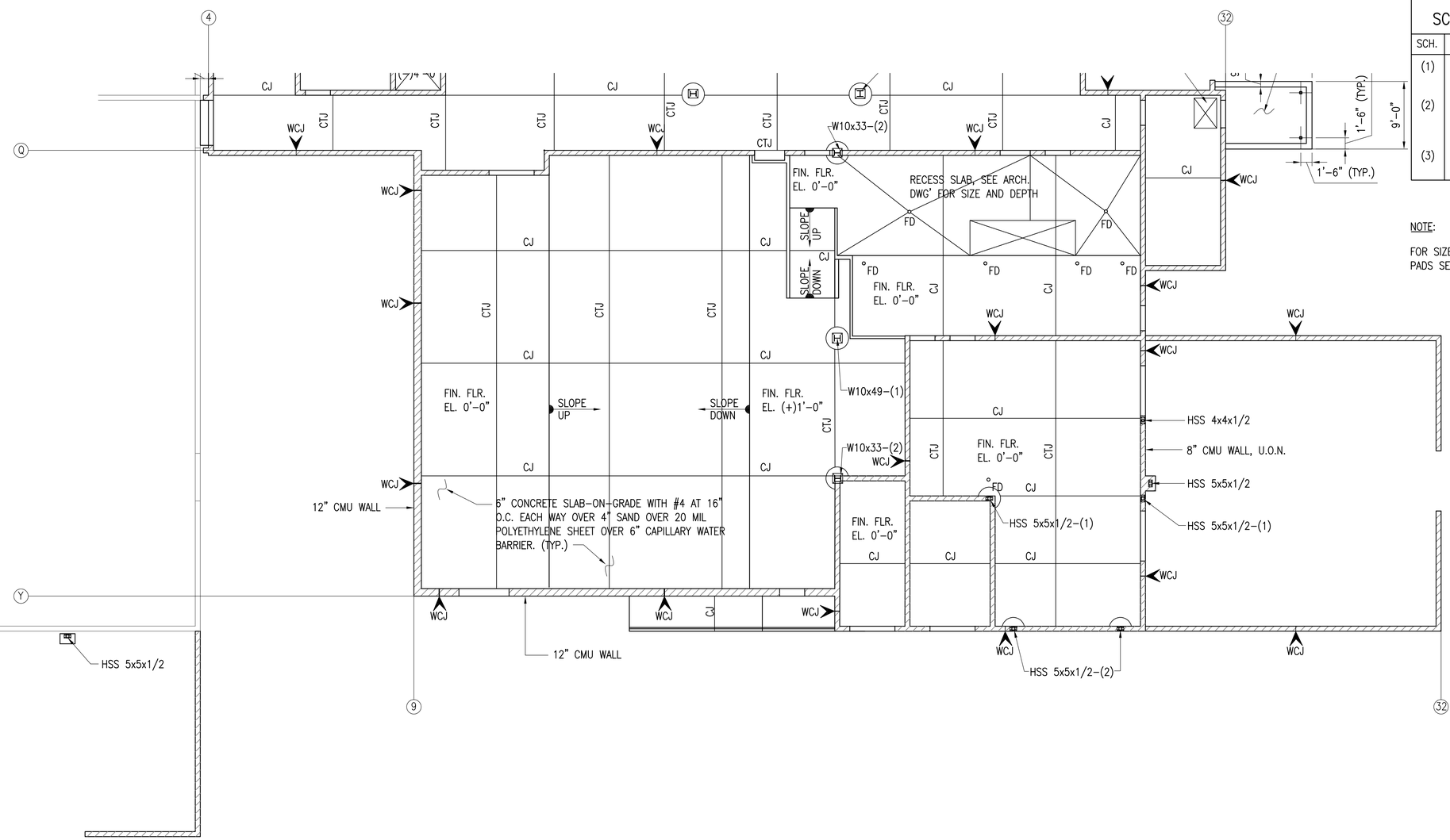
NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

FIRST FLOOR PLAN AREA A
BUILDING 282 ADDITION

Sheet reference number:
S-105A

Border Revised 03/01/04, CADSHEET2.DWG



COLUMN SCHEDULE AND NOTES

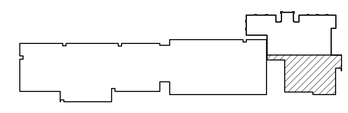
SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

NOTE:

FOR SIZE AND LOCATION OF CONC. EQUIP. PADS SEE ELEC. AND MECH. DWG'S.

FIRST FLOOR PLAN AREA B ~ BUILDING 282 ADDITION

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



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Portegys
Approved by: Jeff R. Hale
Chief, Struct. Des. Sec.
Date: 10/21/05
Design File no: 229-25-539
Drawing Code:
Rev.
File name: N39C-108XXC.dwg
Plot date: 10/06/05, 15:09:54
Dwg scale: AS_NOTED

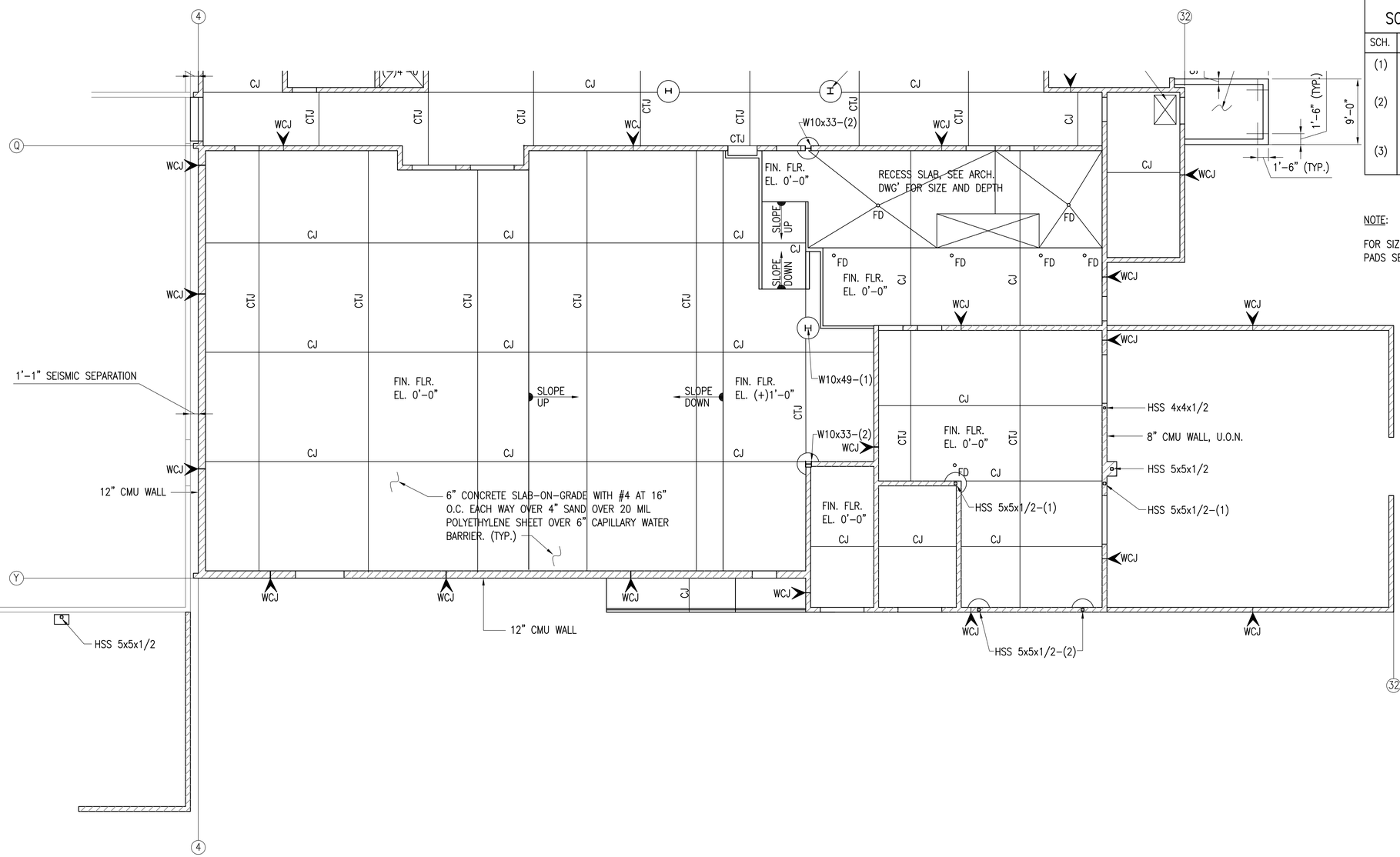
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
FIRST FLOOR PLAN AREA B
BUILDING 282 ADDITION

Sheet reference number:
S-106

Border Revised 03/01/04, CDESKTOP2.DWG



COLUMN SCHEDULE AND NOTES

SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

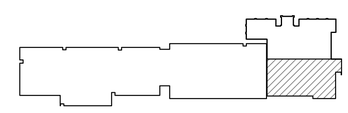
NOTE:

FOR SIZE AND LOCATION OF CONC. EQUIP. PADS SEE ELEC. AND MECH. DWG'S.

INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1

FIRST FLOOR PLAN AREA B ~ BUILDING 282 ADDITION

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



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Von Dyke
Dwn by: JC
Spec No: 1304
Date: 10/21/05
Design File no: 229-25-539
Drawing Code:
Rev.
Reviewed by: J. Pentagos
Submitted by: Jay R. Wenger
Chief, Struct. Des. Sec.
File name: N39C-100100.dwg
Plot date: 10/06/05, 15:10:45
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

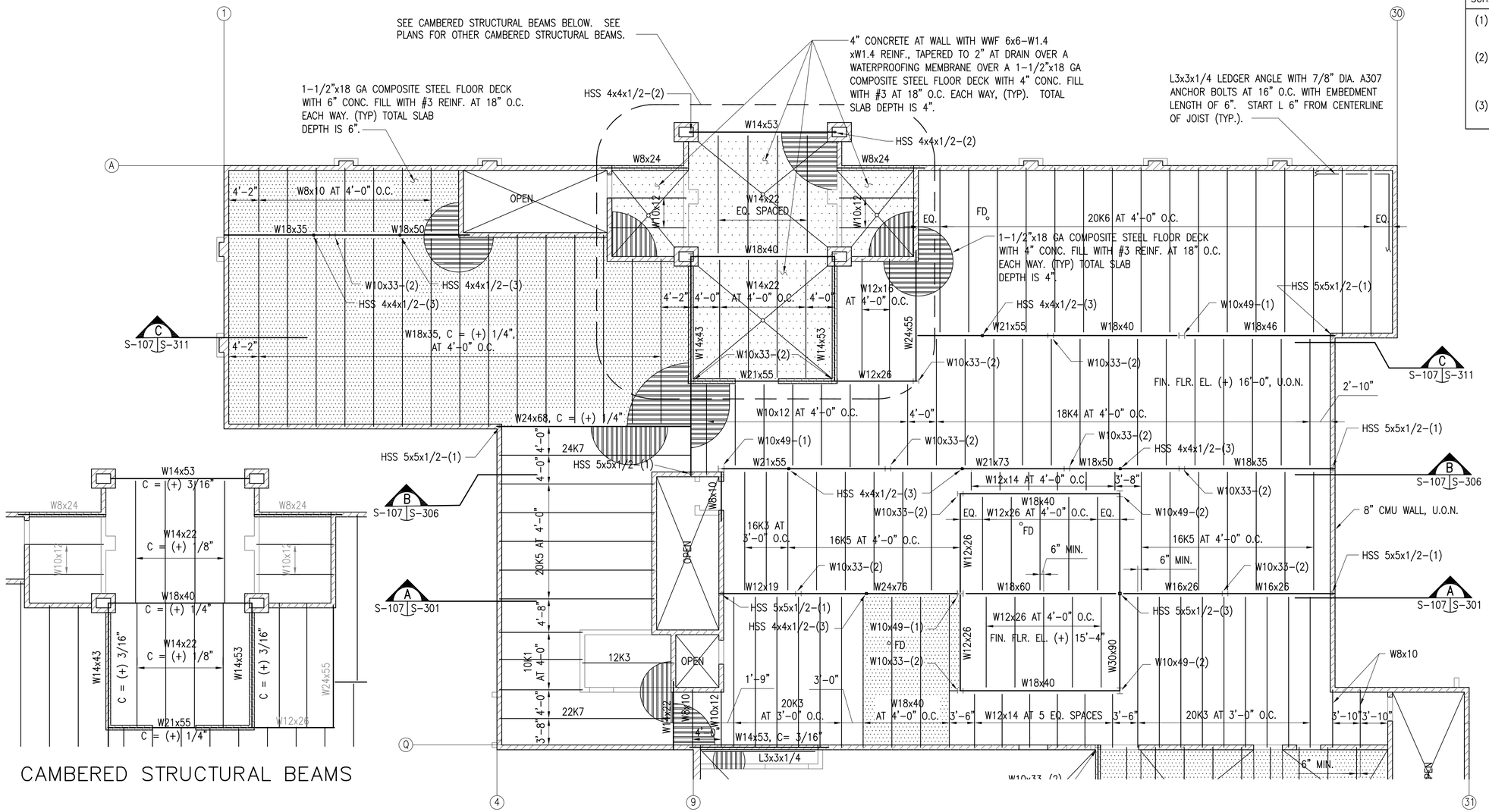
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
FIRST FLOOR PLAN AREA B
BUILDING 282 ADDITION

Sheet reference number:
S-106A

Border: Revised 03/01/04, 02CSI01D2.DWG

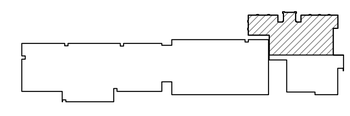
COLUMN SCHEDULE AND NOTES	
SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.



CAMBERED STRUCTURAL BEAMS

SECOND FLOOR FRAMING PLAN AREA A ~ BUILDING 282 ADDITION

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



KEY PLAN
NTS

GRAPHIC SCALE
1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Pentegas
C. Jungwirth
Date: 10/21/05
Design File no: 229-25-539
Drawing Code:
Rev.:
File name: N39C-103100.dwg
Plot date: 10/06/05, 07:27:44
Dwg scale: AS_NOTED
Chief, Struct. Des. Sec.

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

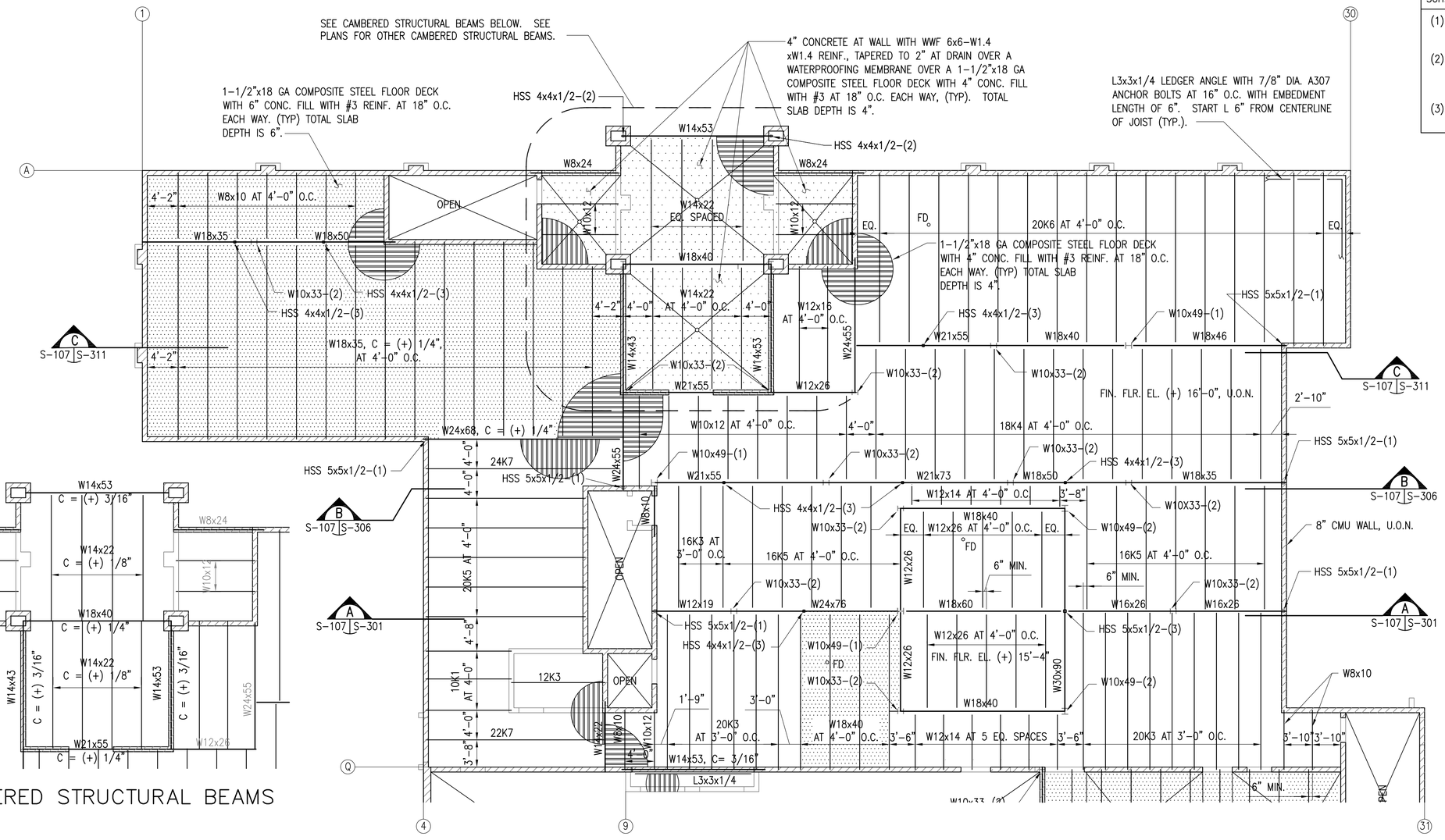
NELLIS AFB NEVADA

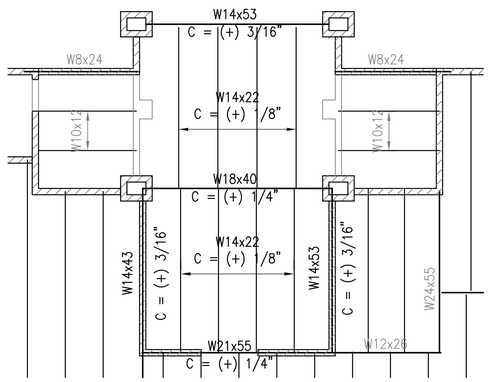
F/A-22 ADD/ALTER WEAPONS SCHOOL

SECOND FLOOR FRAMING PLAN AREA A
BUILDING 282 ADDITION

Sheet reference number:
S-107

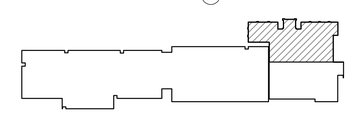
COLUMN SCHEDULE AND NOTES	
SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.





CAMBERED STRUCTURAL BEAMS

INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1



KEY PLAN
NTS

SECOND FLOOR FRAMING PLAN AREA A ~ BUILDING 282 ADDITION

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

GRAPHIC SCALE
1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Ckd by:
Reviewed by: J. Pedegos
Submitted by: J. B. Bunn
Chief, Const. Div. Sec.
Date: 10/21/05
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
Rev.
File name: N39S-107XX.dwg
Plot date: 10/06/05, 14:46:59
Dwg scale: AS_NOTED

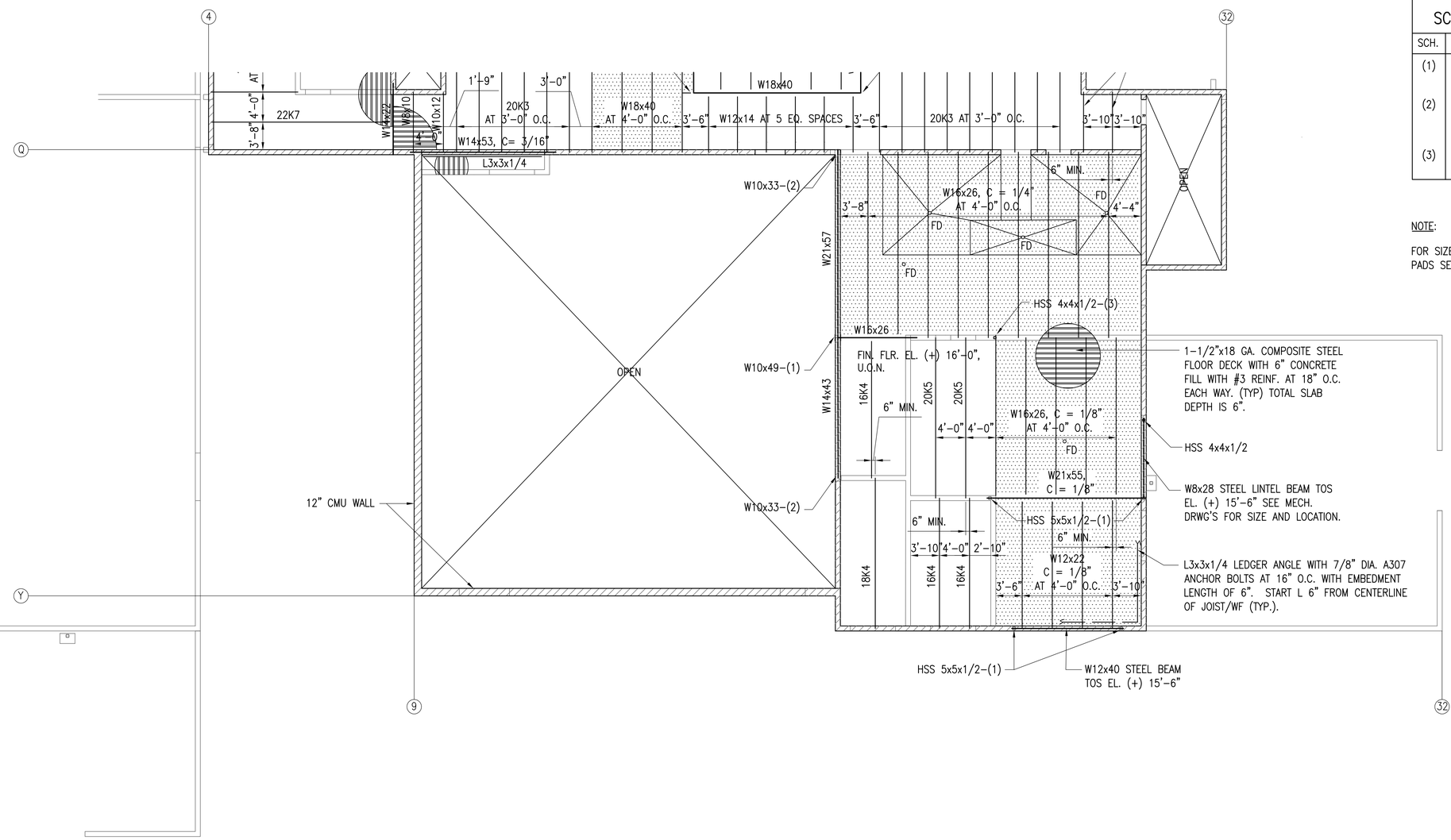
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
SECOND FLOOR FRAMING PLAN AREA A
BUILDING 282 ADDITION

Sheet reference number:
S-107A

Border Revised 03/01/04, CDESIGN22.DWG



COLUMN SCHEDULE AND NOTES	
SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

NOTE:

FOR SIZE AND LOCATION OF CONC. EQUIP. PADS SEE ELEC. AND MECH. DWG'S.

1-1/2"x18 GA. COMPOSITE STEEL FLOOR DECK WITH 6" CONCRETE FILL WITH #3 REINF. AT 18" O.C. EACH WAY. (TYP) TOTAL SLAB DEPTH IS 6".

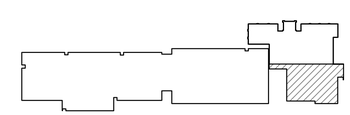
HSS 4x4x1/2

W8x28 STEEL LINTEL BEAM TOS EL. (+) 15'-6" SEE MECH. DRWG'S FOR SIZE AND LOCATION.

L3x3x1/4 LEDGER ANGLE WITH 7/8" DIA. A307 ANCHOR BOLTS AT 16" O.C. WITH EMBEDMENT LENGTH OF 6". START L 6" FROM CENTERLINE OF JOIST/WF (TYP.).

SECOND FLOOR FRAMING PLAN AREA B ~ BUILDING 282 ADDITION

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



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Pantegos
Supervised by: Chief, R. Norris
File name: N39C-108WX.dwg
Plot date: 10/06/05, 15:07:00
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

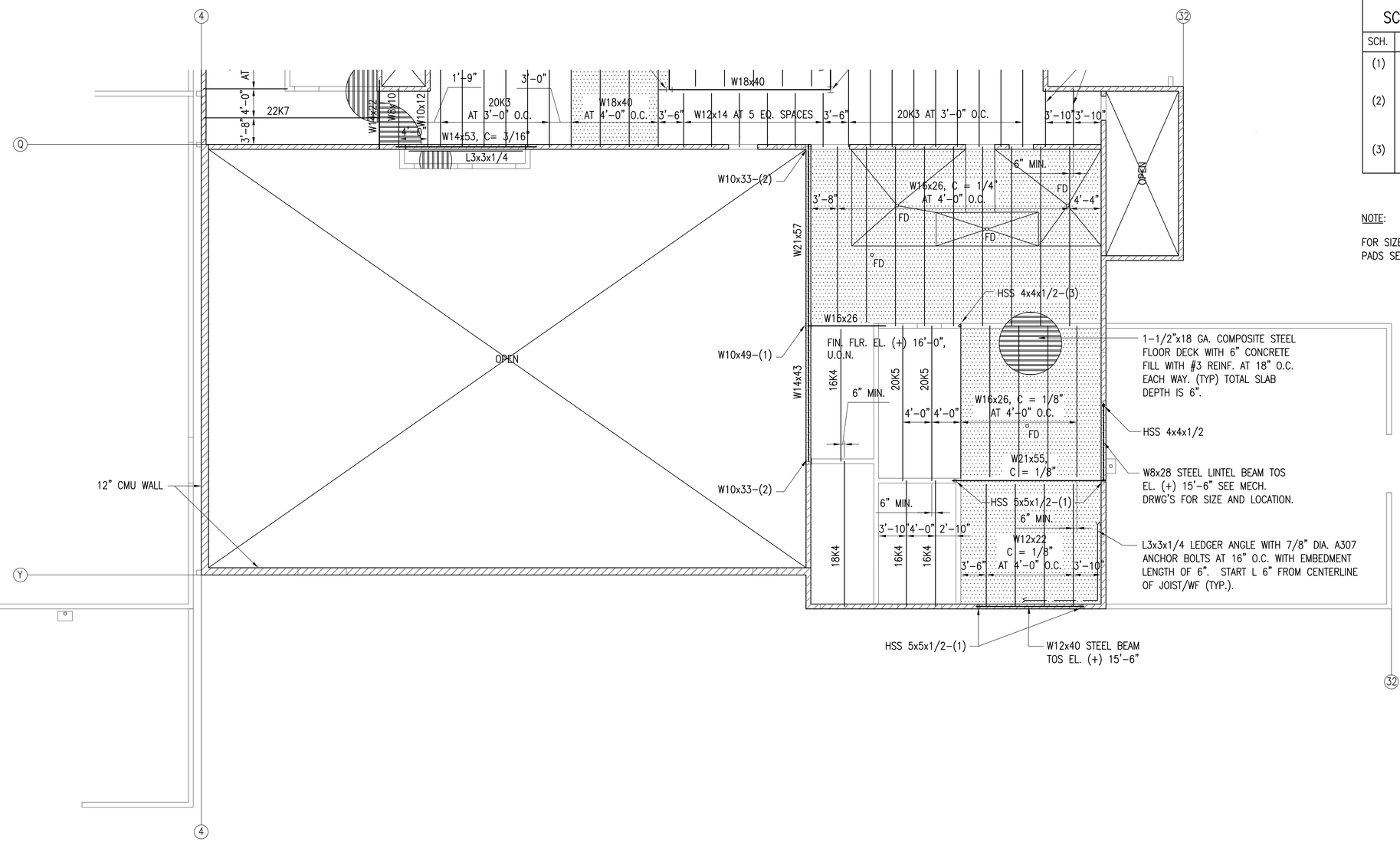
NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

SECOND FLOOR FRAMING PLAN AREA B
BUILDING 282 ADDITION

Sheet reference number:
S-108

Border Revised 03/01/04, CORPSTDLDWG



COLUMN SCHEDULE AND NOTES

SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

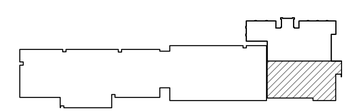
NOTE:

FOR SIZE AND LOCATION OF CONC. EQUIP. PADS SEE ELEC. AND MECH. DWG'S.

INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1

SECOND FLOOR FRAMING PLAN AREA B ~ BUILDING 282 ADDITION

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



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Pantagas
Submitted by: /s/ R. Nunn Chief, Struct. Des. Sec.
File name: N39C-108W.dwg
Plot date: 10/06/05, 15:26:49
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

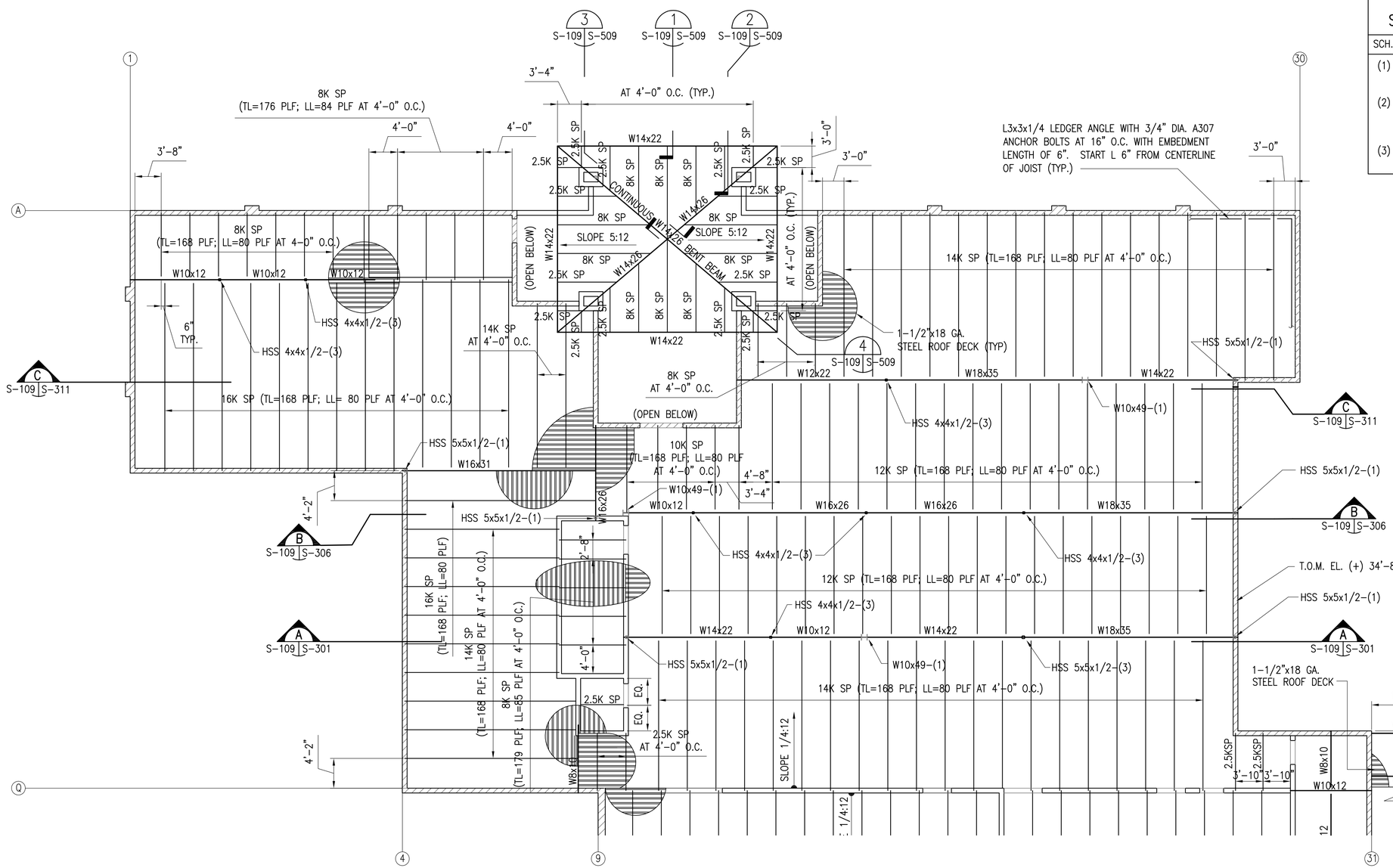
NELLIS AFB NEVADA

F/A-22 ADD/ALTER WEAPONS SCHOOL

SECOND FLOOR FRAMING PLAN AREA B
BUILDING 282 ADDITION

Sheet reference number:
S-108A

Border Revised 03/01/04, CDESHEET2.DWG

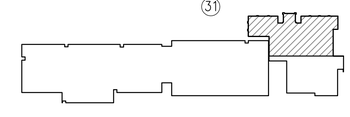


COLUMN SCHEDULE AND NOTES

SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

ROOF FRAMING PLAN AREA A ~ BUILDING 282 ADDITION

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



KEY PLAN
NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Pentegast
Submitted by: J. R. Norris
Chief, Struct. Des. Sec.
File name: N39C-103000.dwg
Plot date: 09/29/05, 13:17:50
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

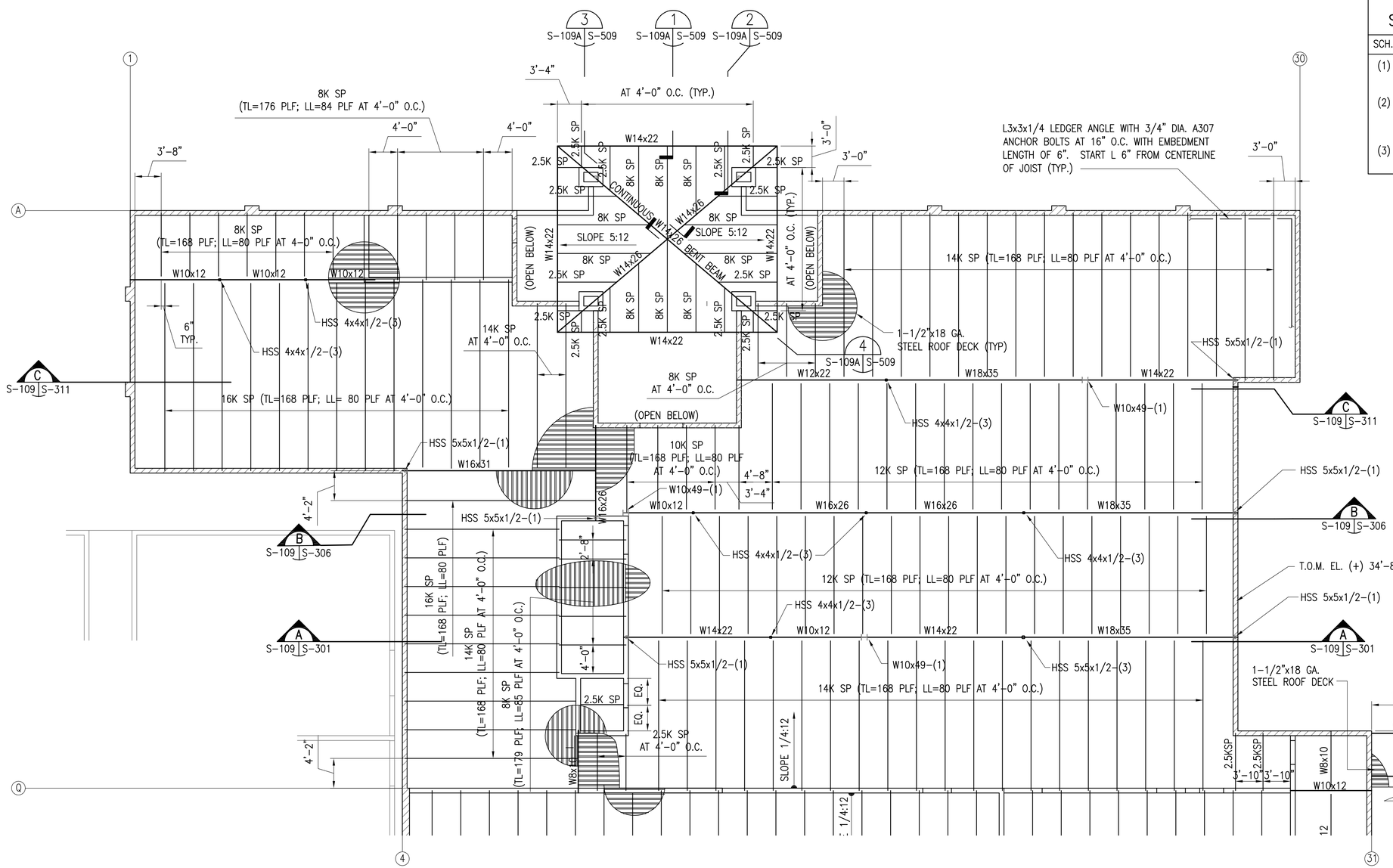
NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

ROOF FRAMING PLAN AREA A BUILDING 282 ADDITION

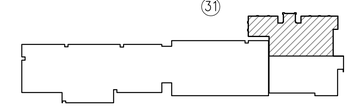
Sheet reference number:
S-109

Border: Revised 03/01/04, CEDSHP02.DWG



COLUMN SCHEDULE AND NOTES	
SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1



KEY PLAN
NTS

ROOF FRAMING PLAN AREA A ~ BUILDING 282 ADDITION

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

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE
NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Spec No.: 1304
Reviewed by: J. Pentegow, S. Lunsford, Jr., R. Norris
Chief, Struct. Des. Sec.
Date: 10/21/05
Design File no: 229-25-539
Drawing Code:
Rev.:
File name: N39C-109C.dwg
Plot date: 09/29/05, 13:25:23
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

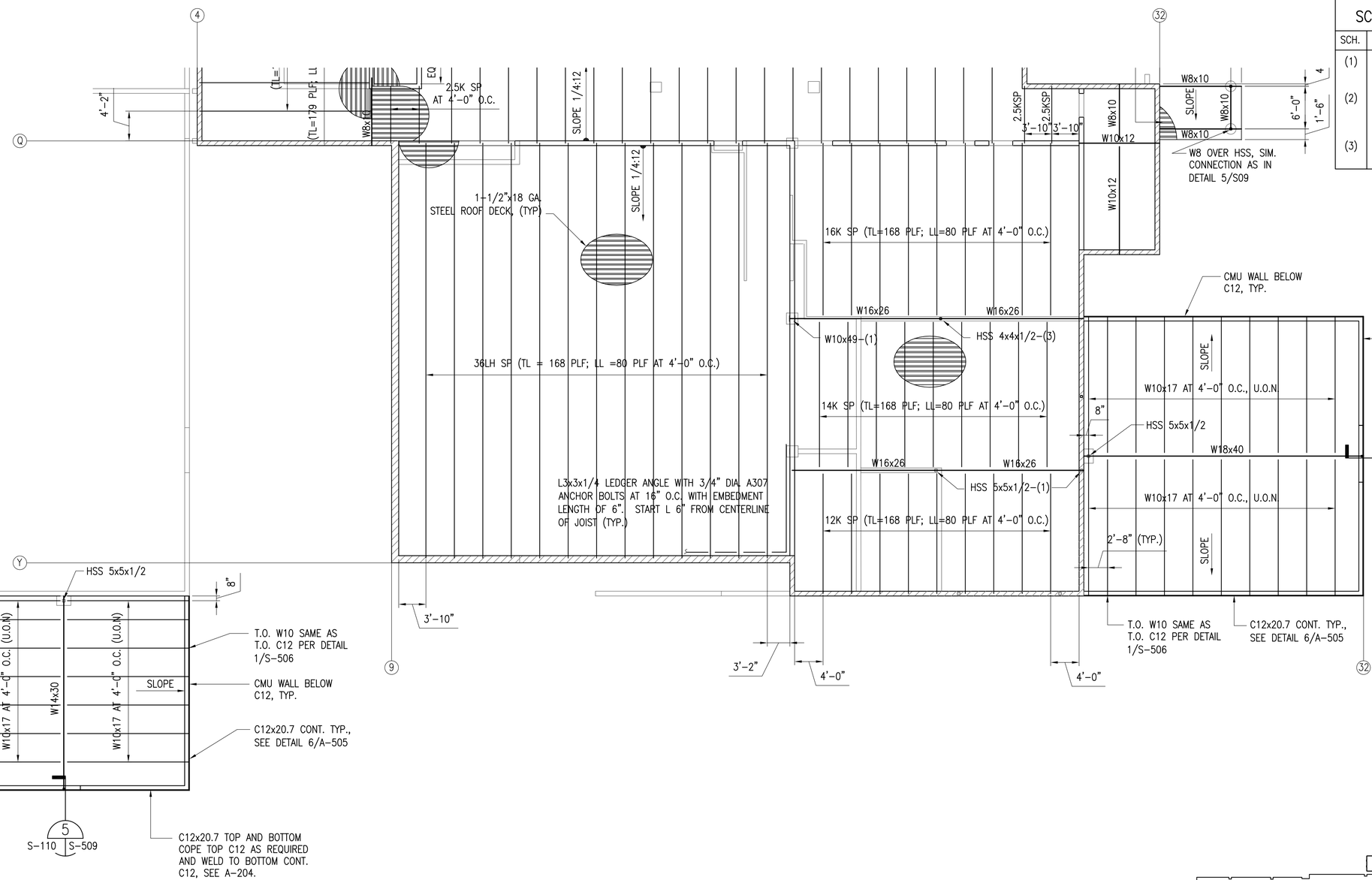
NELLIS AFB NEVADA

F/A-22 ADD/ALTER WEAPONS SCHOOL

ROOF FRAMING PLAN AREA A
BUILDING 282 ADDITION

Sheet reference number:
S-109A

Border: Revised 03/01/04, CDESIGN22.DWG

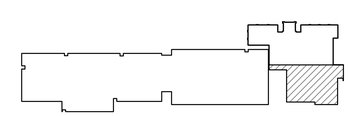


COLUMN SCHEDULE AND NOTES

SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

ROOF FRAMING PLAN AREA B ~ BUILDING 282 ADDITION

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



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Dwn by: JC
Ckd. Sheet. Des. Sec.
Spec. No.: 1304
Reviewed by: J. Portegys
J. Portegys / Kim Nelis
Date: 10/21/05
Design File no: 229-25-539
Drawing Code:
Rev.
File name: N39C-110XX.dwg
Plot date: 10/05/05, 10:28:58
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

NELLIS AFB

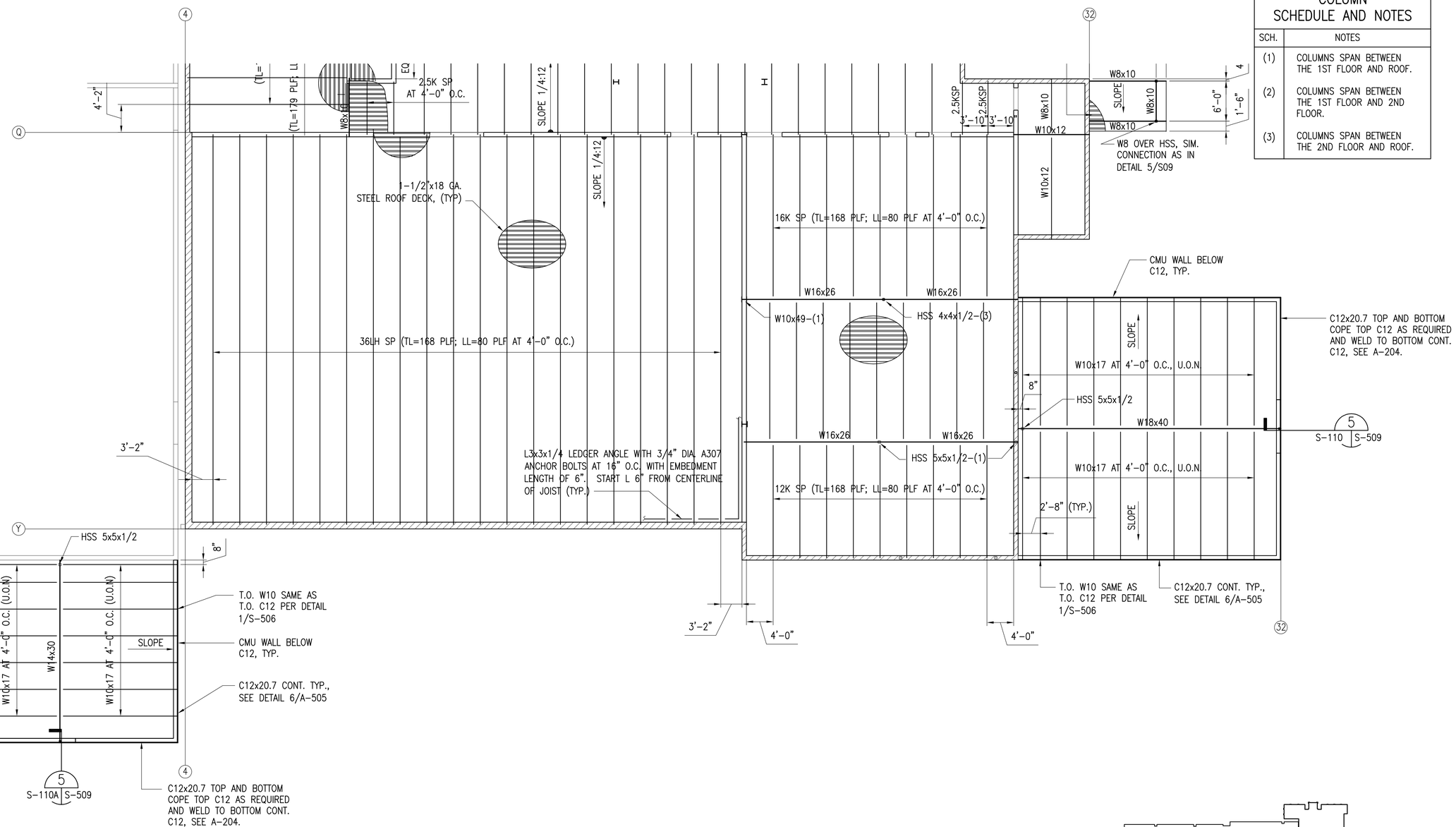
F/A-22 ADD/ALTER WEAPONS SCHOOL

ROOF FRAMING PLAN AREA B
BUILDING 282 ADDITION

Sheet reference number:

S-110

Border Revised 03/01/04, CEENI02.DWG



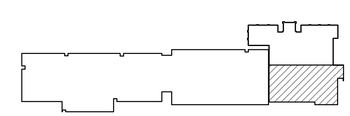
COLUMN SCHEDULE AND NOTES

SCH.	NOTES
(1)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND ROOF.
(2)	COLUMNS SPAN BETWEEN THE 1ST FLOOR AND 2ND FLOOR.
(3)	COLUMNS SPAN BETWEEN THE 2ND FLOOR AND ROOF.

INFORMATION ON THIS SHEET IS INCLUDED IN BID OPTION 1

ROOF FRAMING PLAN AREA B ~ BUILDING 282 ADDITION

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



KEY PLAN

NTS

GRAPHIC SCALE

1/8"=1'-0" 0' 2' 4' 8' 16' 24'

REFERENCE

NORTH

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossarth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Portegys
A. Gurnett, Mgr.
Chief, Sheet. Des. Sec.
File name: N39C-1109C.dwg
Plot date: 10/06/05, 10:35:23
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

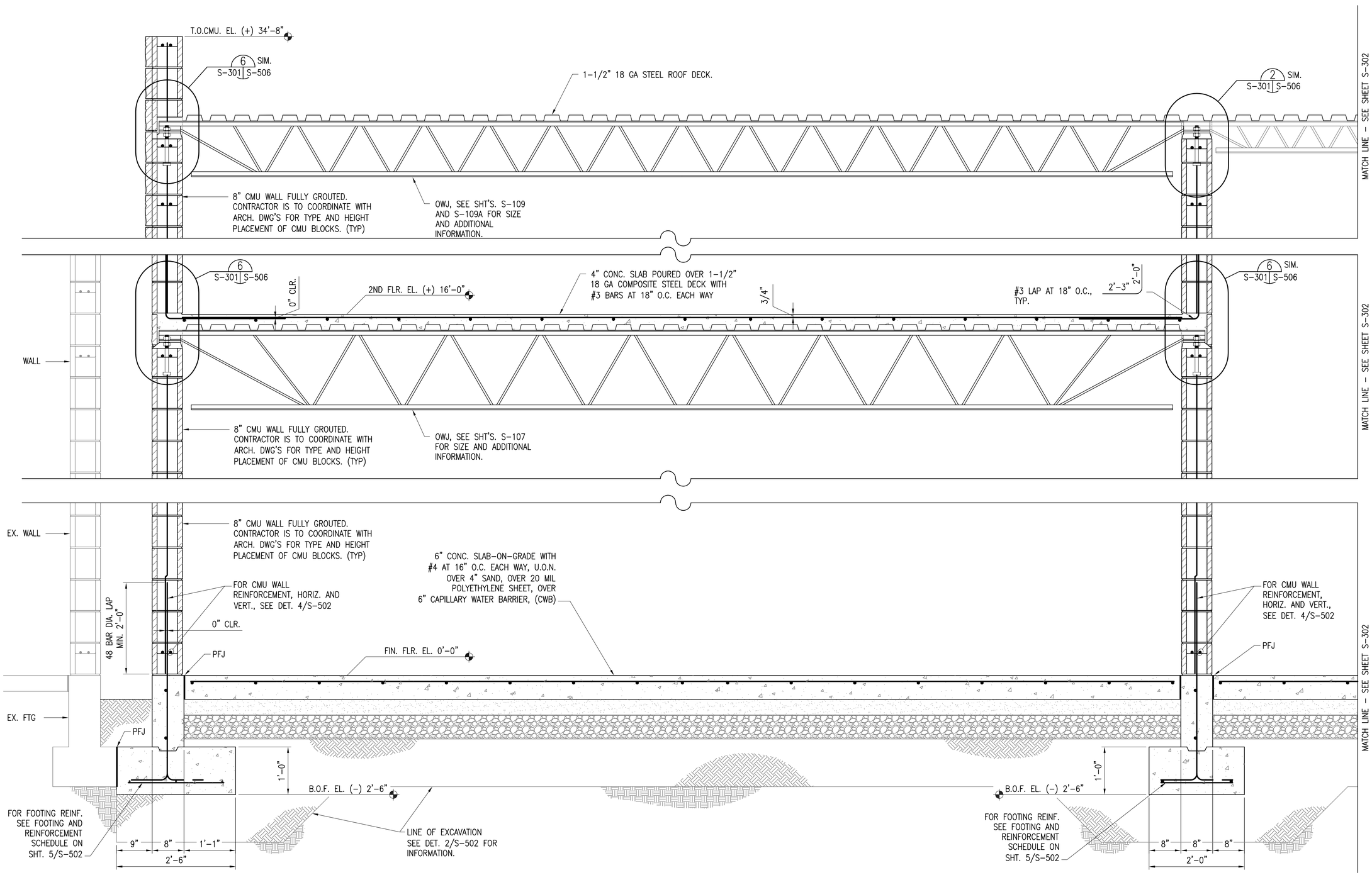
NELLIS AFB NEVADA

F/A-22 ADD/ALTER WEAPONS SCHOOL

ROOF FRAMING PLAN AREA B
BUILDING 282 ADDITION

Sheet reference number:
S-110A

Border Revised 03/01/04, CDESHT02.DWG



ELEVATION – ALONG GRID LINE 'L'

SCALE: 1"=1'-0"

A S-103, S-105, S-107, S-109 S-301

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec. No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Pardegos
Submitted by: Jul R. Nelis
Chief, Struct. Des. Sec.
File name: N39C-301XX.dwg
Plot date: 09/27/05, 13:28:25
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

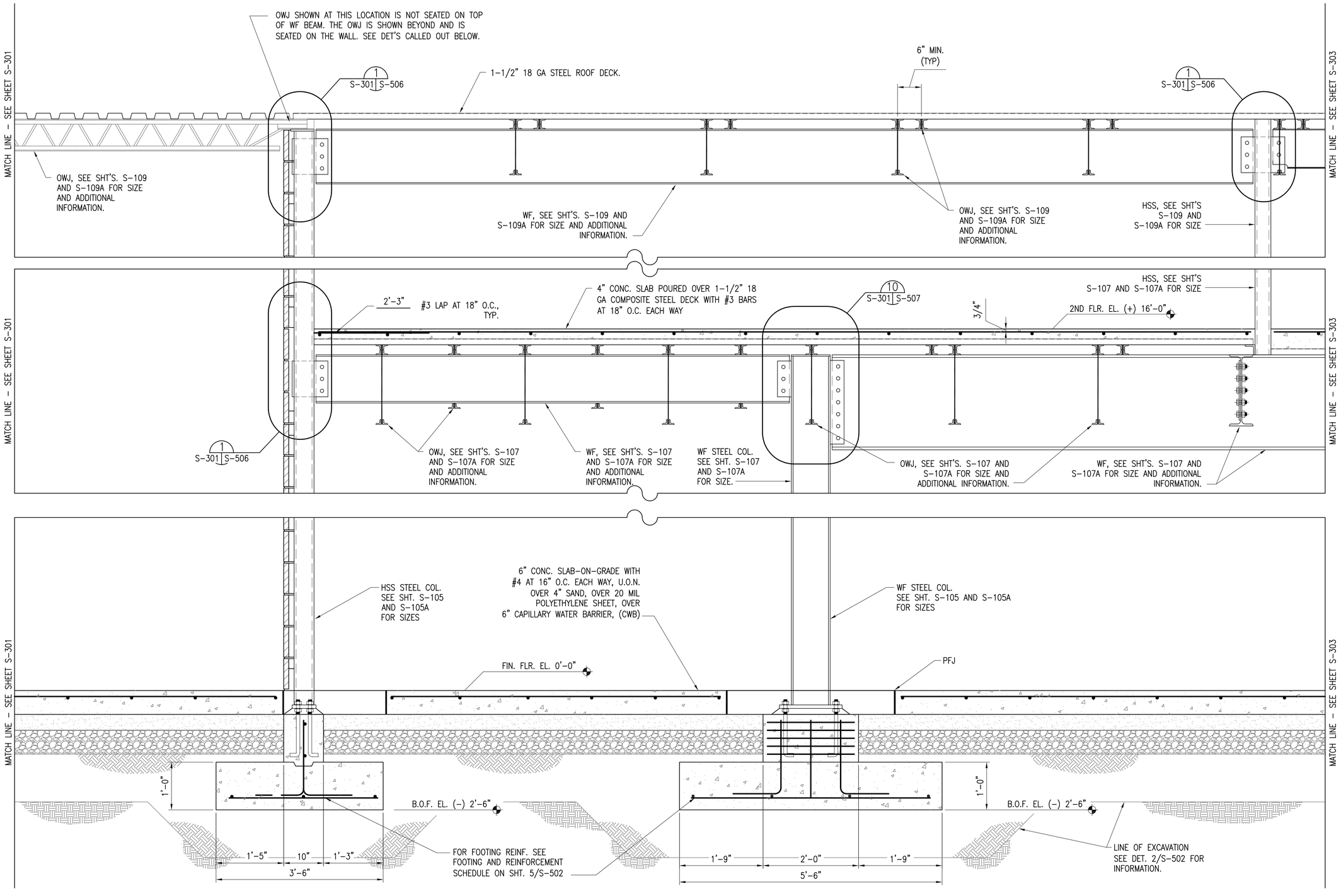
F/A-22 ADD/ALTER WEAPONS SCHOOL

NELLIS AFB

ELEVATION
ALONG GRID LINE 'L'

Sheet reference number:
S-301

Border Revised 03/01/04, CCEMT02.DWG



ELEVATION – ALONG GRID LINE 'L'

SCALE: 1"=1'-0"

S-103, S-105, S-107, S-109 S-302

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Pardegos
Submitted by: Jul R. Nelis
Chief, Struct. Des. Sec.
File name: N39C-302001.dwg
Plot date: 09/27/05, 13:29:37
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

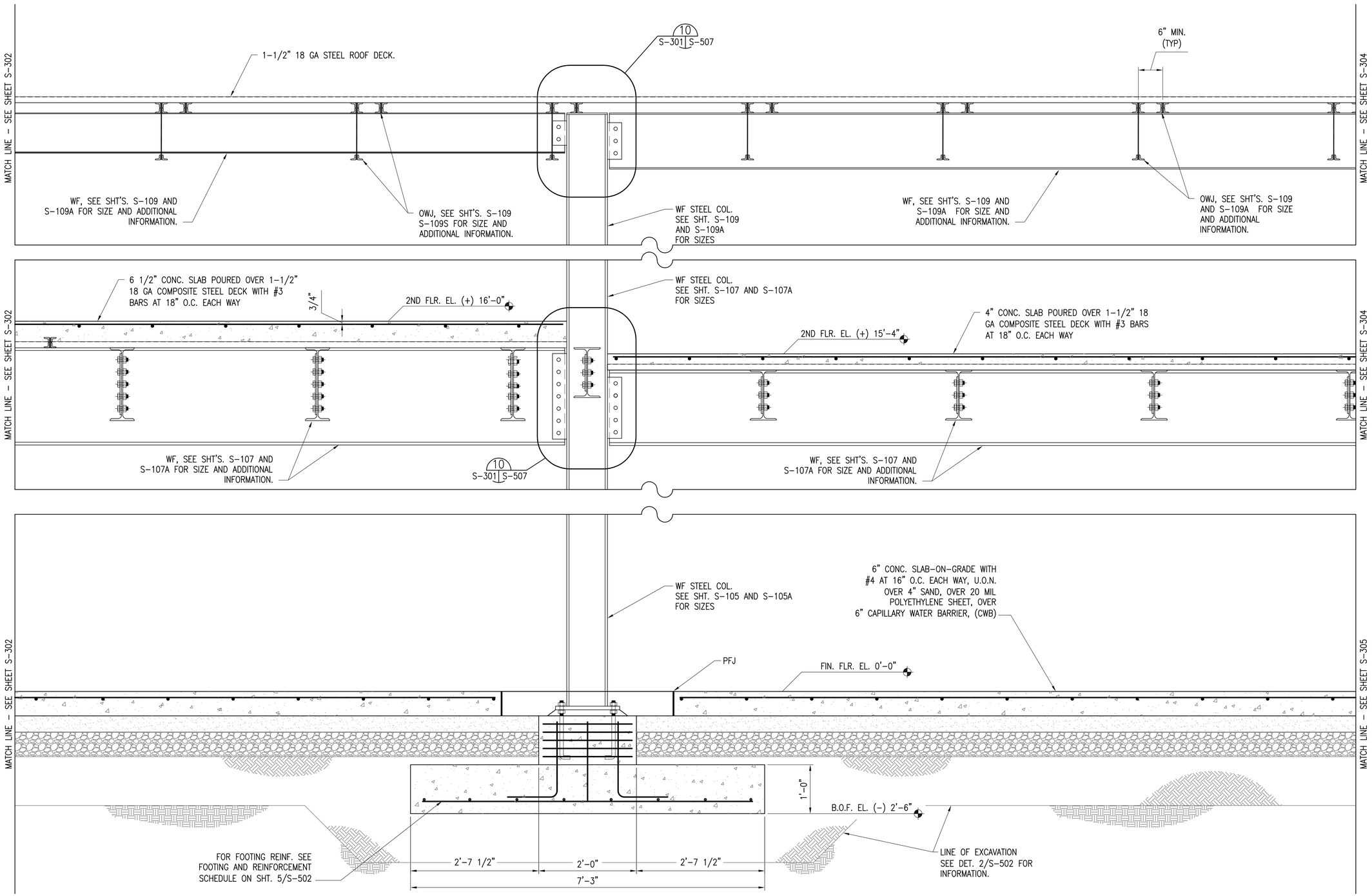
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL

ELEVATION ALONG GRID LINE 'L'

Sheet reference number:
S-302

Border Revised 03/01/04, CCSW1702.DWG



ELEVATION – ALONG GRID LINE 'L'

SCALE: 1"=1'-0"

A
S-103, S-105, S-107, S-109 S-303

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec. No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Portegys
Submitted by: Jul R. Nelis
Chief, Struct. Des. Sec.
File name: N39C-303XXC.dwg
Plot date: 09/27/05, 13:30:40
Dwg scale: AS_NOTED

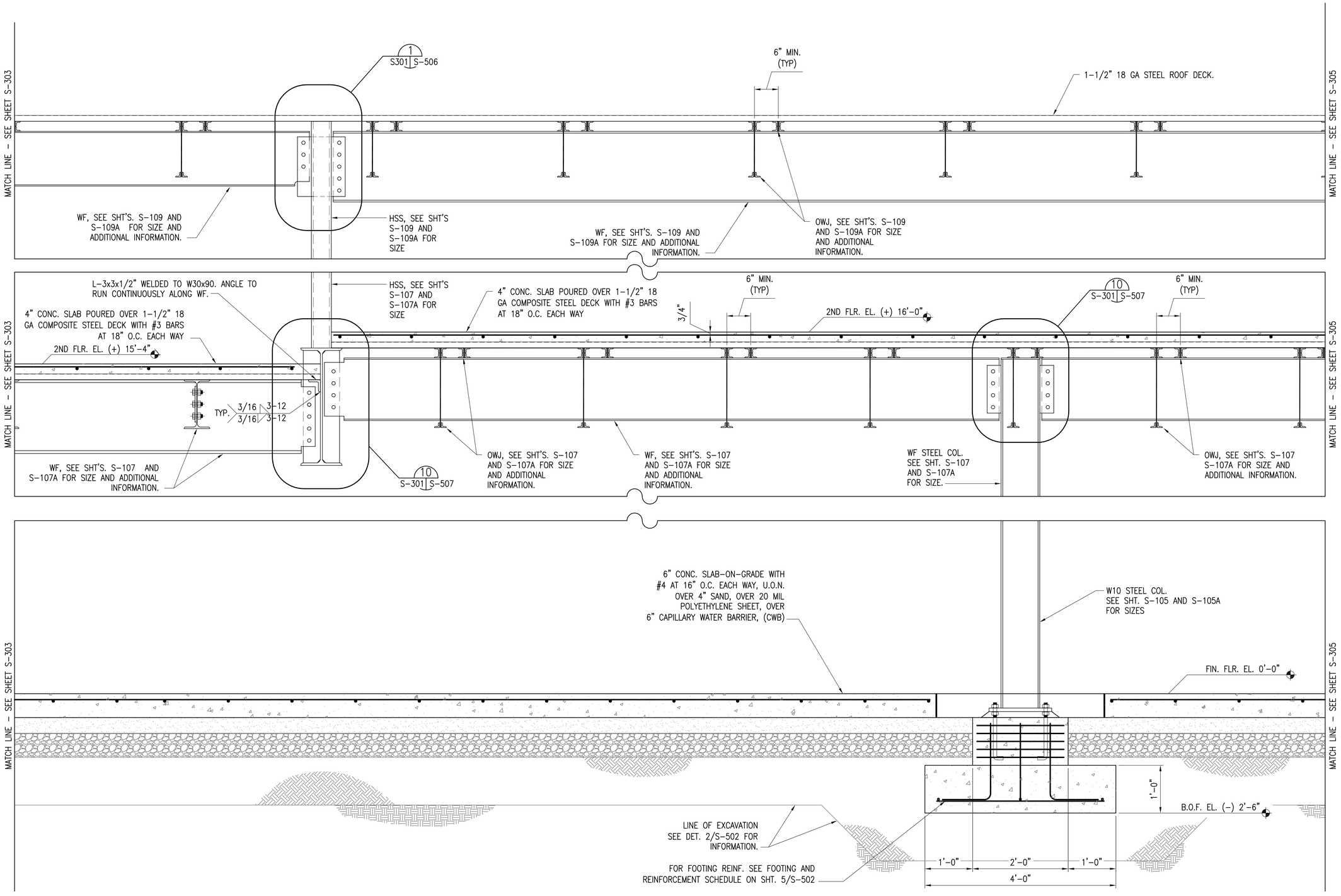
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
ELEVATION
ALONG GRID LINE 'L'

Sheet reference number:
S-303

Border Revised 03/01/04, CCSW1702.DWG



ELEVATION – ALONG GRID LINE 'L'

SCALE: 1"=1'-0"

A
S-103, S-105, S-107, S-109 S-304

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Pardegos
Submitted by: Maj R. Nelis
Chief, Struct. Des. Sec.
File name: N39C-304XX.dwg
Plot date: 09/27/05, 13:31:31
Dwg scale: AS_NOTED

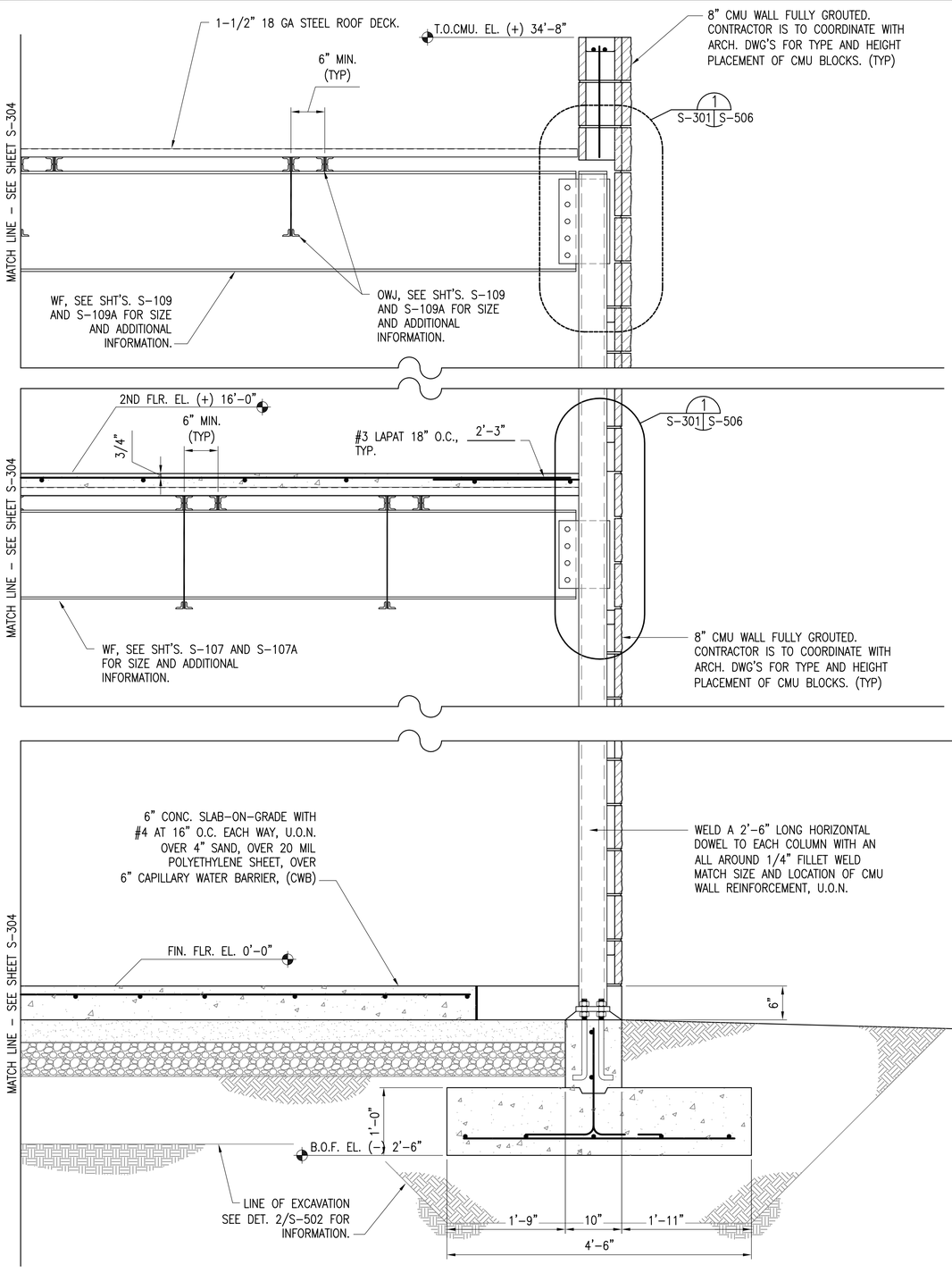
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL
ELEVATION
ALONG GRID LINE 'L'

Sheet reference number:
S-304

Border Revised 03/01/04, CCSAH7022.DWG



ELEVATION – ALONG GRID LINE 'L'

SCALE: 1"=1'-0"

A
S-103, S-105, S-107, S-109 S-305

Border Revised 03/01/04, CCSM#1702.DWG

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Pardegos
Submitted by: Jul R. Norris
Chief, Struct. Des. Sec.
File name: N39C-305001.dwg
Plot date: 09/27/05, 13:34:23
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

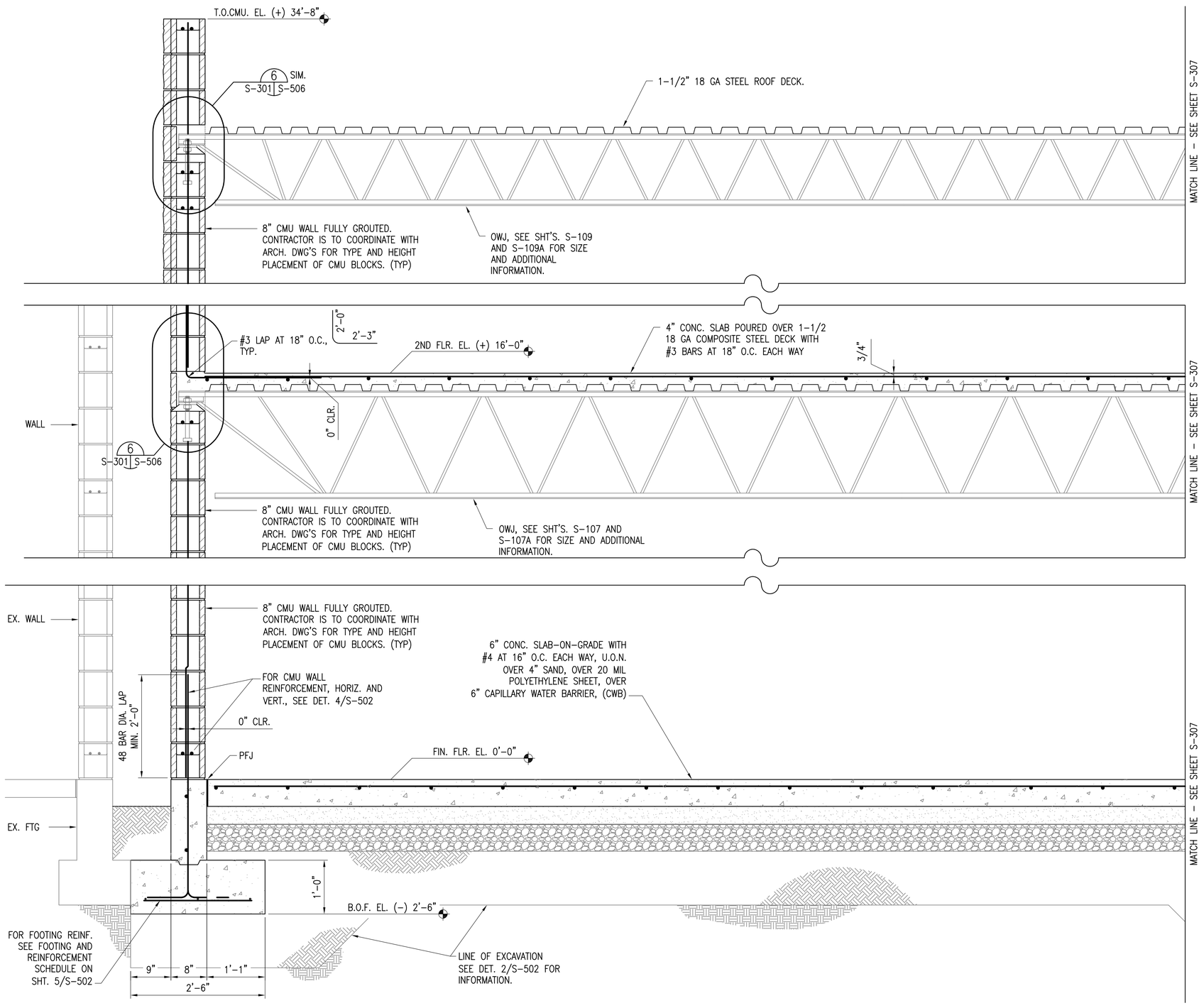
NEVADA

NELLIS AFB

F/A-22 ADD/ALTER WEAPONS SCHOOL

ELEVATION
ALONG GRID LINE 'L'

Sheet reference number:
S-305



ELEVATION – ALONG GRID LINE 'I'

SCALE: 1"=1'-0"

S-103, S-105, S-107, S-109 | S-306

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec. No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Pardegos
Submitted by: Jul R. Norris
Chief, Struct. Des. Sec.
File name: N305-306XX.dwg
Plot date: 09/19/05, 14:17:32
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA

NELLIS AFB

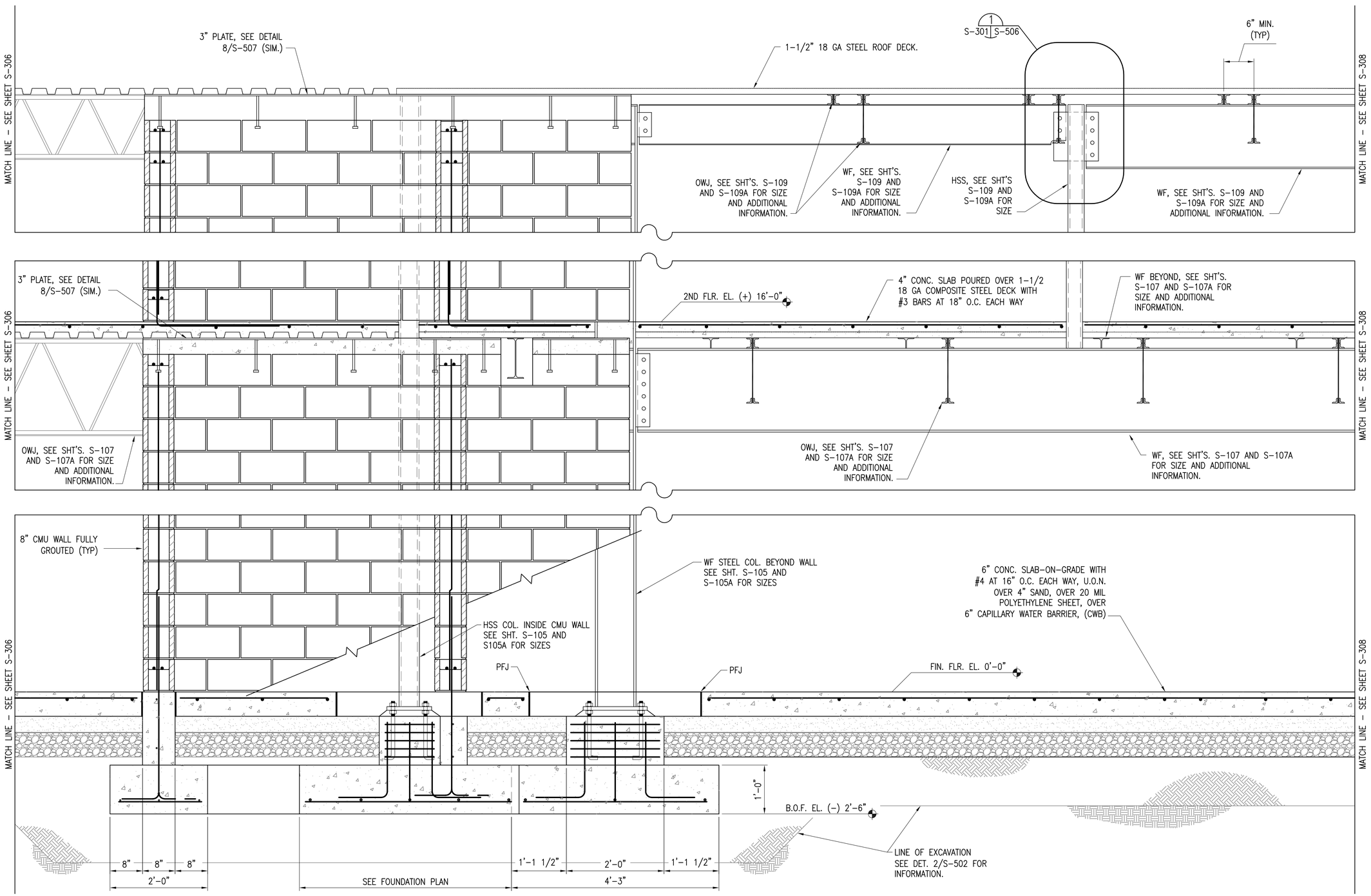
F/A-22 ADD/ALTER WEAPONS SCHOOL

ELEVATION
ALONG GRID LINE 'I'

Sheet reference number:

S-306

Border Revised 03/01/04, CCDSHT02.DWG



ELEVATION – ALONG GRID LINE 'I'

SCALE: 1"=1'-0"

S-103, S-105, S-107, S-109 B S-307

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec. No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Portegys
Submitted by: /s/ R. Hess
Chief, Struct. Des. Sec.
File name: N39C-307XXX.dwg
Plot date: 09/19/05, 14:18:34
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

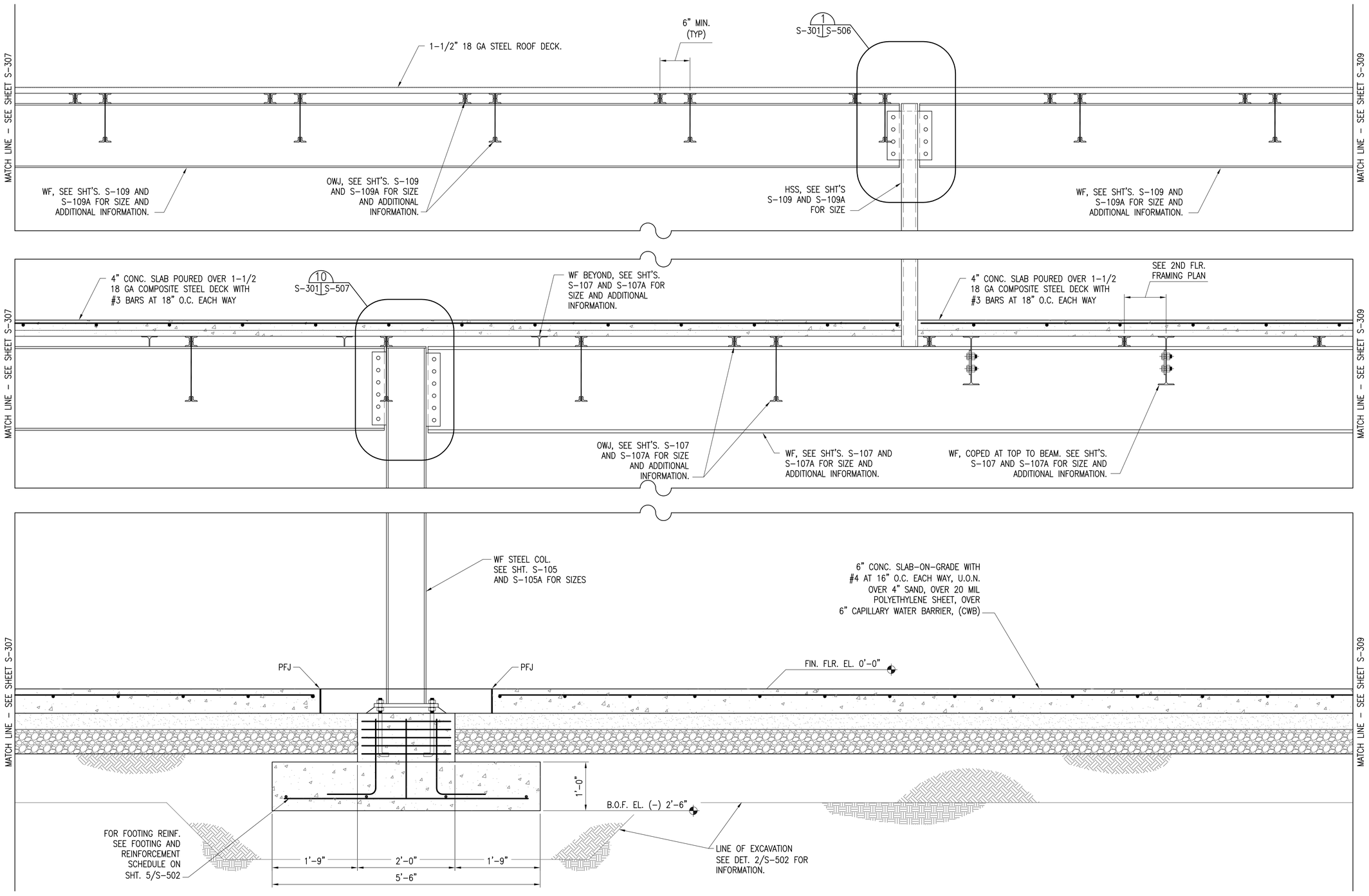
SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL

ELEVATION
ALONG GRID LINE 'I'

Sheet reference number:
S-307

Border Revised 03/01/04, CCDSHT02.DWG



ELEVATION – ALONG GRID LINE 'I'

SCALE: 1"=1'-0"

S-103, S-105, S-107, S-109 | S-308

US Army Corps of Engineers
Sacramento District

Symbol	Description	Date	Approved

Designed by: N. Grossorth, C. Van Dyke
Date: 10/21/05
Rev.
Dwn by: JC
Spec. No.: 1304
Design File no: 229-25-539
Drawing Code:
Reviewed by: J. Portegys
Submitted by: Maj R. Nelis
Chief, Struct. Des. Sec.
File name: N39C-308XX.dwg
Plot date: 09/19/05, 14:19:23
Dwg scale: AS_NOTED

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SACRAMENTO DISTRICT
IN-HOUSE DESIGN
1325 J STREET
SACRAMENTO, CA 95814-2922

NEVADA
NELLIS AFB
F/A-22 ADD/ALTER WEAPONS SCHOOL

ELEVATION
ALONG GRID LINE 'I'

Sheet reference number:
S-308

Border Revised 03/01/04, CCSW1702.DWG