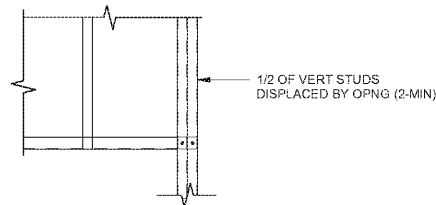


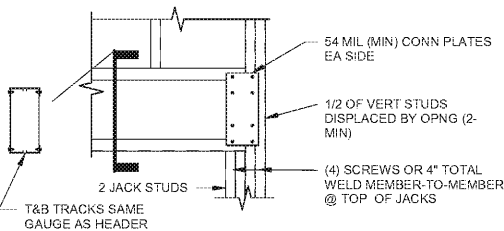
**NON-LOAD BEARING
STEEL STUD HEADER SCHEDULE**

SIZE OF OPENING	HEADER SIZE	REMARKS
0'-0" - 6'-0"	(2) 600S137-33	SEE DETAIL B BELOW

DETAIL A:

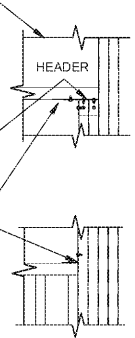


DETAIL B:



NOTES:

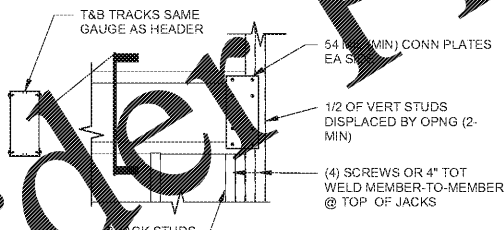
- UNLESS NOTED OTHERWISE, END CONNECTIONS FOR HEADER SHALL BE THE FOLLOWING:
 - THRU CONNECTIONS TO JACK STUDS W/ (2) SCREWS AT TOP OF JACK STUD TO ADJACENT FULL HEIGHT STUDS (FOR SPANS LESS THAN 6-FT)
 - 68 MIL CLIP CONN. IN ADDITION TO CONN NOTED IN A., W/ (3) SCREWS PER LEG AT EACH CLIP CONN LIP DIRECTLY TO FULL HEIGHT STUDS AND PROVIDE CLIP AT T&B OF HEADER.
- UNLESS NOTED OTHERWISE, AT SILL, PROVIDE 54 MIL x WALL STUD WIDTH CONTINUOUS TRACK W/ 68 MIL CLIP EACH END OF TRACK (3-SCREWS PER LEG AT EACH CLIP)



STEEL STUD SILL SCHEDULE

SIZE OF OPENING	SILL SIZE	REMARKS
0'-0" - 6'-0"	(2) 600S137-33	SEE DETAIL BELOW

DETAIL:



STEEL STUD DESIGNATIONS

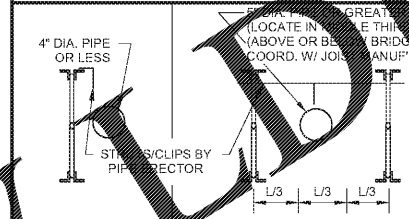
MATERIAL THICKNESS (MILS)	CORRESPONDING GAUGE (FOR REFERENCE ONLY)
18	25
27	22
33	20
43	18
54	16
68	14
97	12

WATER PIPING SUPPORT SCHEDULE

PIPE DIA. (IN.)	PIPE WEIGHT (LB./FT.)	PIPE SUPPORT SPACING (MAX.) (FT.)
2 1/2	6.0	12
3	8.5	12
4	12.0	12
5	17.5	12
6	23.5	6
8	37.5	6

NOTES:

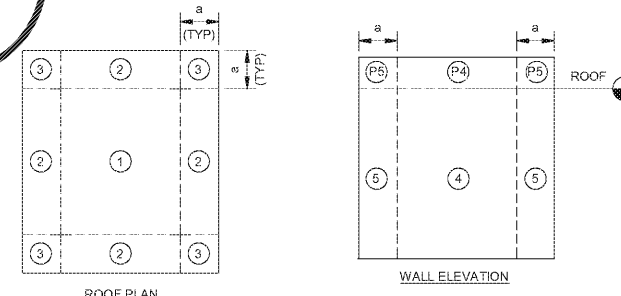
- PIPES IN TABLE ARE SCHEDULE 10 TYPE. ESFR MANUFACTURER TO SUBMIT DOCUMENTATION FOR ALTERNATIVE PIPING NOT NOTED.
- PIPE WEIGHT INCLUDES PIPE + INSULATION + WATER
- EXACT PIPE LOCATIONS TO BE COORDINATED W/ MECHANICAL DRAWINGS.
- PIPES RUNNING PARALLEL TO JOISTS W/ DIA. GREATER THAN 4" OR RUNNING IN COMBINATION W/ OTHER PIPES SHALL BE DISTRIBUTED TO A MINIMUM OF 2 JOISTS.
- MEMBER SIZES ON PLANS HAVE BEEN ADJUSTED TO SUPPORT WATER PIPING LOADS IN THIS TABLE.
- ANY PIPE OR COMBINATION OF PIPES WITH TOTAL DIAMETERS GREATER THAN 8" SHALL BE HUNG PER THE DIRECTION OF THE CONTRACTING OFFICER REPRESENTATIVE. - NOTIFY CONTRACTING OFFICER REPRESENTATIVE PRIOR TO PROCEEDING W/ WORK.
- NO PIPING SHALL RUN BELOW THE BOTTOM CHORD OF THE BAR JOIST.



**COMPONENTS & CLADDING
EXTERNAL PRESSURE LOADS (PSF)**

EFFECTIVE WIND AREA (FT ²)	LOCAL WIND SPEED 7-10: FIGURE 30.4-1, 30.4-2A			
	1	2	3	4
<10	16.0 -16.0	16.0 -16.0	16.0 -16.0	16.0 -16.0
20	16.0 -16.0	16.0 -16.0	16.0 -16.0	16.0 -16.0
50	16.0 -16.0	16.0 -16.0	16.0 -16.0	16.0 -16.0
>100	16.0 -16.0	16.0 -16.0	16.0 -16.0	16.0 -16.0
>500	16.0 -16.0	16.0 -16.0	16.0 -16.0	16.0 -16.0

- 0'-0" - 6'-0". SEE ROOF PLAN MAP BELOW FOR LOCATION OF a-ZONES. WALL a-ZONE LOCATIONS MATCH ROOF a-ZONES.
- POSITIVE PRESSURE VALUES REFER TO FORCES ACTING TOWARDS BUILDING OR COMPONENT FACE. NEGATIVE PRESSURE VALUES REFER TO FORCES ACTING AWAY FROM BUILDING OR COMPONENT FACE.
- EACH COMPONENT AND ITS CONNECTION SHALL BE DESIGNED FOR MAXIMUM POSITIVE AND NEGATIVE FORCES.
- FOR COMPONENTS HAVING EFFECTIVE AREAS IN BETWEEN TABULATED VALUES, DESIGN LOADS MAY BE INTERPOLATED. OTHERWISE DESIGN LOAD SHALL BE TAKEN FROM THE NEXT LOWEST TABULATED EFFECTIVE AREA.
- DESIGN VALUES SHOWN IN THIS TABLE ARE ULTIMATE VALUES FOR USE WITH LRFD DESIGN. VALUES MAY BE MULTIPLIED BY 0.6 FOR USE WITH SERVICE LEVEL OR ASD DESIGN. REFER TO THE BUILDING CODE FOR APPLICABLE LOAD COMBINATIONS.



EFFECTIVE WIND AREA (FT ²)	LOCAL WIND SPEED 7-10: FIGURE 30.4-1, 30.4-2A			
	P4	P5	ROH1/2	ROH3
<10	21.1 -21.1	28.6 -28.6	16.0 -16.0	16.0 -22.5
20	19.1 -19.1	24.4 -24.4	16.0 -16.0	16.0 -17.9
50	16.5 -16.5	18.8 -18.8	16.0 -16.0	16.0 -16.0
>100	16.0 -16.0	16.0 -16.0	16.0 -16.0	16.0 -16.0
>500	16.0 -16.0	16.0 -16.0	16.0 -16.0	16.0 -16.0

- PARAPET COMPONENTS AND CLADDING ARE THOSE ELEMENTS WHICH EXIST ABOVE THE HORIZONTAL PLANE OF THE ROOF AND SHALL BE DESIGNED FOR:
 - POSITIVE AND NEGATIVE PRESSURES 4 OR 5 APPLIED TO THE SHEATHING OR PANELING AND ITS CONNECTION ON OUTSIDE FACE.
 - POSITIVE PRESSURES 4 OR 5 APPLIED TO THE SHEATHING OR PANELING AND ITS CONNECTION ON ROOF SIDE FACE.
 - NEGATIVE PRESSURES 2 OR 3 APPLIED TO THE SHEATHING OR PANELING AND ITS CONNECTION ON ROOF SIDE FACE.
 - P4/5 SHALL BE APPLIED TO THE DESIGN OF THE STRUCTURAL ELEMENT OF THE PARAPET AND ITS CONNECTION, INCLUDING BUT NOT LIMITED TO THE STUD FRAMING OF THE PARAPET.
- A DESIGN WIND PRESSURE HORIZONTAL VALUE OF 16.0 PSF AND VERTICAL VALUE OF -16.0 PSF SHALL BE APPLIED TO COMPONENTS WHICH ARE EITHER ROOFTOP STRUCTURES OR ROOFTOP APPURTENANCES AND THEIR CONNECTION. EXAMPLES OF THIS ARE RTUS, AHUS, AND SCREEN WALLS.
- ROH# : DENOTES DESIGN WIND PRESSURE VALUES WHICH SHALL BE APPLIED AT ROOF OVERHANGS TO TOP SURFACE CLADDING OR SHEATHING AND ITS CONNECTION. SOFFIT CLADDING OR SHEATHING SHALL BE DESIGNED FOR SIMILAR PRESSURE TO THE ADJACENT WALL PRESSURE. A COMBINATION OF THESE FORCES SHALL BE APPLIED TO THE STRUCTURAL ELEMENT OF THE OVERHANG AND ITS CONNECTION, INCLUDING BUT NOT LIMITED TO THE STUD FRAMING OF THE OVERHANG.

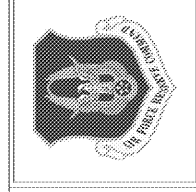
ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE	K	KIPS (KILOPOUNDS)
ADDL	ADDITIONAL	KL/F	KIPS PER LINEAL FOOT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	KSI	KIPS PER SQUARE INCH
AFF	ABOVE FINISHED FLOOR	KSF	KIPS PER SQUARE FOOT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	L	LENGTH
AISI	AMERICAN IRON AND STEEL INSTITUTE	LFH	LONG FACE HORIZONTAL
ALTN	ALTERNATE	LFV	LONG FACE VERTICAL
AR	ANCHOR ROD	LG	LONG
ARCH	ARCHITECT	LL	LIVE LOAD
ASD	ALLOWABLE STRESS DESIGN	LLH	LONG LEG HORIZONTAL
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	LLV	LONG LEG VERTICAL
AWS	AMERICAN WELDING SOCIETY	LO	LOW
BD	BOTTOM OF BOARD	LOCS	LOCATIONS
BETW	BETWEEN	LRFD	LOAD RESISTANCE FACTORED
BLDG	BUILDING	LSH	LONG SIDE HORIZONTAL
BM	BEAM	LSV	LONG SIDE VERTICAL
BOT	BOTTOM	LW	LONG WAY
BP	BASIS PLATE	LWC	LIGHT WEIGHT CONCRETE
BRDG	BRIDGE	MAX	MAXIMUM
BRG	BEARING	MEP	MECHANICAL, ELECTRICAL & PLUMBING
C/C	CENTER CENTER	MEZZ	MEZZANINE
CFSF	COLD FORMED STEEL FRAMING	MFR	MANUFACTURER
CONJ	CONTROL JOINT	MIN	MINIMUM
CLR	CLEAR	MISC	MISCELLANEOUS
CMU	CONCRETE MASONRY UNIT	MPII	MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS
COL	COLUMN	MTL	METAL
CONC	CONCRETE	NIC	NOT IN CONTRACT
CONN	CONNECTION	NS	NEAR SIDE
CONT	CONTINUOUS	NTS	NOT TO SCALE
COR	CORNER	OC	ON CENTER
CTR	CENTER	OD	OUTSIDE DIAMETER
D&E	DRILL & EPOXY	OH	OPPOSITE HAND
D	DEEP	OPNG	OPENING
DBA	DEFORMED BAR ANCHOR	PAF	POWDER ACTUATED FASTENERS
DBL	DOUBLE	PEMB	PRE-ENGINEERED METAL BUILDING
DEP	DEPRESSED	PJF	PREFORMED JOINT FILLER
DIA	DIAMETER	PL	PLATE
DIAG	DIAGONAL	PLF	POUNDS PER LINEAL FOOT
DL	DEAD LOAD	PPHCC	PRESTRESSED PRECAST HOLLOW CORE CONCRETE
DWL	DOWEL	PREFAB	PRE-FABRICATED
DN	DOWN	PSI	POUNDS PER SQUARE INCH
EA	EACH	PSF	POUNDS PER SQUARE FOOT
EF	EACH FACE	PT	POST TENSIONED
EJ	EXPANSION JOINT	P.T.	PRESSURE TREATED
ELEV	ELEVATION	QTY	QUANTITY
ENG	ENGINEER OR ENGINEERING	RAD	RADIUS
EOS	EDGE OF SLAB	RD	ROOF DRAIN
EQ	EQUAL	REF	REFERENCE
EW	EACH WAY	REINF	REINFORCING
EXIST	EXISTING	REQD	REQUIRED
EXP	EXPANSION	REV	REVISION
EXT	EXTERIOR	RTU	ROOF TOP UNIT
F/	FACE OF	SCHED	SCHEDULE
FD	FLOOR DRAIN	SER	STRUCTURAL ENGINEER OF RECORD
FDN	FOUNDATION	SF	SQUARE FOOT
FF	FINISH FLOOR	SHTHG	SHEATHING
FLR	FLOOR	SIM	SIMILAR
FRT	FIRE RETARDANT TIMBER	SLH	SHORT LEG HORIZONTAL
FS	FAR SIDE	SLV	SHORT LEG VERTICAL
FTG	FOOTING	SPA	SPACES
FV	FIELD VERIFY	SPEC	SPECIFICATION
GA	GAUGE, GAGE	SS	STAINLESS STEEL
GALV	GALVANIZED	STD	STANDARD
GC	GENERAL CONTRACTOR	STIFF	STIFFENER
GDR	GIRDER	STL	STEEL
GENL	GENERAL	SW	SHORT WAY
GYP	GYPSONUM	SYM	SYMMETRICAL
HCA	HEADED CONCRETE ANCHORS	T/	TOP OF
HDR	HEADER	T&B	TOP & BOTTOM
HG	HIP GIRDER	T&G	TONGUE & GROOVE
HGR	HANGER	TEMP	TEMPORARY
HI	HIGH	TG	TRUSS GIRDER
HKO	HOOKED	THK	THICKENED or THICK
HORIZ	HORIZONTAL	THRU	THROUGH
HSS	HOLLOW STRUCTURAL SECTION	TYP	TYPICAL
H.T.	HEAVY TIMBER	UNO	UNLESS NOTED OTHERWISE
ID	INSIDE DIAMETER	VERT	VERTICAL
IE	INVERT ELEVATION	W	WIDE
INSUL	INSULATION OR INSULATING	W/	WITH
INT	INTERIOR	W/O	WITHOUT
JST	JOIST	WD	WOOD
JT	JOINT	WP	WORK POINT
		WWR	WELDED WIRE REINFORCEMENT

REV.	DATE BY	DESCRIPTION
B	2017-02-27	65% SUBMITTAL
C	2018-02-21	65% SUBMITTAL
D	2018-04-13	FOR CONSTRUCTION
E	2018-06-01	FOR CONSTRUCTION



CIVIL ENGINEERING
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CROFT
3400 Blue Springs Road,
Kennesaw, GA 30144
770.528.7714 (p)
770.528.7716 (f)
www.croftaa.com

PES STRUCTURAL ENGINEERS
3400 Blue Springs Road, Kennesaw, GA 30144
770.528.7714 (p)
770.528.7716 (f)
www.croftaa.com



6/01/2018

REPAIR FACILITY & ADDITION
BUILDING 747
FGWB 08-0027
DOBBINS AIR RESERVE BASE, GEORGIA
GENERAL SCHEDULES
PROJECT CONTACT:
ROBERT L. MORGAN
rmorgan1@us.af.mil

PROJECT	LOCATION	DRAWING	CONTACT
PROJECT No.	2017-238		
PROJ. OFFICER	J. MORGAN		
DESIGNED	M. WILSON		
CHECKED	M. PLANER		
DATE	2018-06-01		
DRAWING	5 OF 45		

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