

PLAN LEGEND

DENOTES SPAN DIRECTION OF 3" x 20" GAGE COMPOSITE STEEL DECK W/ 2" LIGHT WEIGHT CONCRETE (5" TOTAL THICKNESS). REINF. SLAB W/ 6x6-W2.1xW2.1 W.W.F.

DENOTES BEAM SIZE → W16x26 (26) 20k

DENOTES NUMBER OF 3/4" x 4 1/2" H.C.A.'s UNIFORMLY SPACED
DENOTES BEAM END REACTION (EACH END U.N.O.)

DENOTES MOMENT CONNECTION

DENOTES L-6x3 1/2x5/16 LLV BOLTED TO WALL.

DENOTES C8x11.5

AHU 3 PLATFORM FRAMING PLAN

TOP OF STEEL EL. + 69'-11 1/2"

NOTE:
ALL EXPOSED STEEL MEMBERS & ROD BRACING SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.

ROOF		BEAM DESIGN END FORCES FOR MOMENT-RESISTING FRAMES AND BEAMS AT VERTICAL BRACES											
BEAM MARK	CONDITION	FORCES										DIRECTION	
		DEAD LOAD		LIVE LOAD		WIND LOAD		EARTHQUAKE					
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
(A)	SHEAR—kips	9	9	4	4	0	0	0	0	0	0	WEST	EAST
(B)	SHEAR—kips	9	9	4	4	0	0	0	0	0	0	WEST	EAST
(C)	SHEAR—kips	7	7	4	4	2	2	3	3	3	3	NORTH	SOUTH
	MOMENT ft—k	14	26	6	8	14	14	16	15	16	15	NORTH	SOUTH
(D)	SHEAR—kips	8	8	3	3	2	2	3	3	3	3	NORTH	SOUTH
	MOMENT ft—k	27	29	8	8	10	10	13	13	13	13	NORTH	SOUTH
(E)	SHEAR—kips	8	8	3	3	2	2	3	3	3	3	NORTH	SOUTH
	MOMENT ft—k	25	26	8	8	11	11	12	12	12	12	NORTH	SOUTH
(F)	SHEAR—kips	8	7	3	3	2	2	3	3	3	3	NORTH	SOUTH
	MOMENT ft—k	28	16	9	7	11	13	13	15	13	15	NORTH	SOUTH

NOTE:
BEAM END FORCES SHOWN HAVE NOT BEEN COMBINED AND HAVE NOT BEEN FACTORED.
WIND & SEISMIC FORCES HAVE BEEN DETERMINED FROM ASCE 7-05.
EARTHQUAKE FORCES HAVE NOT BEEN REDUCED FOR ASD LOAD COMBINATIONS.

ROOF FRAMING PLAN

1/8"=1'-0"

NOTES FOR THE ROOF LEVEL:

- TOP OF FLOOR SLAB EL. = +64'-7 1/2"
- ROOF LIVE LOAD = 20 PSF UNO.
- CONCRETE USED FOR FLOOR SLABS SHALL BE LIGHTWEIGHT WITH A MAXIMUM DENSITY OF 120 PCF. THE WEIGHT AND SIZE USED FOR THE BASIS OF DESIGN FOR ROOF TOP AIR HANDLING UNITS IS AS FOLLOWS:

AH-1-1: L = 38'-10" W = 24'-2" HT = 10'-2" WT = 50,440 LBS
AH-1-2: L = 33'-2" W = 12'-10" HT = 6'-8" WT = 21,810 LBS
AH-1-3: L = 29'-6" W = 13'-2" HT = 7'-0" WT = 20,480 LBS
EF-1-8 + EF-1-9: L = 15'-1" W = 11'-4" H = 17'-4" WT = 6,450 LBS.

- MECHANICAL EQUIPMENT THAT IS HEAVIER AND/OR EQUIPMENT HAVING DIFFERENT DIMENSIONS FOR SUPPORT POINTS WILL REQUIRE REDESIGN OF THE ROOF BEAMS IN THE AREA WHERE THE EQUIPMENT IS LOCATED.

- CONTRACTOR NOTE: WHERE HEADED BEAM SHEAR STUDS INTERFERE OR ARE IN CONFLICT WITH THE WELDED WIRE REINFORCEMENT IT IS ACCEPTABLE TO CUT THE WIRE THAT IS IN CONFLICT. IF THE CUT WIRE IS PARALLEL WITH COMPOSITE DECK ADD A #2 x 24" BAR BESIDE THE CUT WELDED WIRE AND CENTER THE #2 BAR ON THE LOCATION WHERE THE WELDED WIRE WAS CUT.

CONSULTANTS:



PADGETT
Engineering Group
Consulting Structural Engineers

2255 CUMBERLAND PARKWAY - SUITE 1910 - ATLANTA - GEORGIA 30339



LOUISIANA C.O.A. 4674

ARCHITECT:



590 Means Street NW, Suite 200
Atlanta, GA 30318
404.214.9774

Drawing Title:

ROOF FRAMING PLAN

Approved: Project Director

Project Title:

EXPAND RADIOLOGY AND SPS
OVERTON BROOKS VAMC

Location:

SHREVEPORT, LA

Date:

3-13-2015

Checked:

BP

Drawn:

AH

Project Number:

667-083

Building Number:

1

Drawing Number:

S103

Dwg. of XX

OFFICE OF
CONSTRUCTION
AND FACILITIES
MANAGEMENT

VA U.S. Department of Veterans Affairs