

**Aircraft Maintenance Hangers Project  
Jeddah**

**Drawing No:- 433-A001-S-SH-12-G-1902**

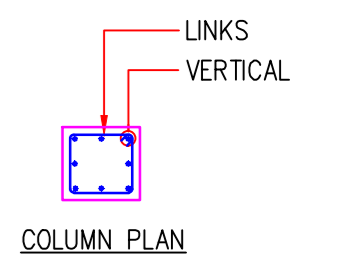
Rev 10

Date Prepared 29.01.2014

SHEET 2 OF 5

- NOTES / LEGENDS**
- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
  - ALL LEVELS ARE IN M UNLESS OTHERWISE NOTED.
  - COMPRESSIVE STRENGTH OF CONCRETE AT 28DAYS = 35 Mpa.
  - GRADE OF STEEL = A615M GRADE 420.
  - COVER FOR COLUMN REINFORCEMENT  
BELOW GROUND LEVEL - 50 mm  
ABOVE GROUND LEVEL - 40 mm
  - PROVIDE 15 mm CHAMFER STOP AT ALL EXPOSED CORNERS OF CONCRETE WALLS, INCLUDING EXPOSED CORNERS OF CONCRETE PIERS.
  - LEGEND FOR CALLOUT  
5X8 120 01 150 11  
REMARKS  
SPACING  
BAR MARK  
BAR SIZE  
NO OF PLACES  
MULTIPLIER
  - ABBREVIATION  
VERT. - VERTICAL  
C.J. - CONSTRUCTION JOINT  
TOP - TOP OF FOOTING  
SOG - SLAB ON GRADE

DIA	CLASS A		CLASS B	
	SA	SB	SA	SB
T8	270	305	355	460
T10	340	440	440	575
T12	410	530	530	690
T16	545	705	705	915
T20	665	890	890	1145
T25	1060	1375	1375	1785
T32	1365	1760	1760	2285



**REFERENCE DRAWINGS**

S.No.	DRAWING NUMBER	REV	TITLE
01	433-A001-S-FD-51-F-1012	03	FOUNDATION PLAN (AREA-AA12)
02	433-A001-S-FD-51-F-1112	02	SLAB ON GRADE PLAN (AREA-AA12)
03	433-A001-S-FD-52-1-1012	04	LABEL1 FRAMING PLAN(AREA-AA12)
04	433-A001-S-FD-52-2-1012	04	LABEL2 FRAMING PLAN(AREA-AA12)
05	433-A001-S-FD-58-X-0010	03	CONCRETE COLUMN SCHEDULE
06	433-A001-S-FD-58-X-0020	03	CONCRETE BEAM SCHEDULE
07	433-A001-S-FD-58-X-0021	04	CONCRETE BEAM SCHEDULE

**KEY PLAN**

**REVISION:**

REV	DESCRIPTION	PREPARED	CHECKED	DATE
00	ISSUED FOR APPROVAL	PV	NP	13.02.2014

DRAWING BY	DESIGNED BY	CHECKED BY	APPROVED BY	DATE

APPROVED AS SUBMITTED	APPROVED WITH IND.CHANGES	DISAPPROVED_RESUBMIT	ARCH	CIVL	STRC	PAVM	ELEC	MECH	ELTN	DATE

PROJECT NAME:  
**AIRCRAFT MAINTENANCE HANGARS**

CLIENT:

ENGINEER:

CONTRACTOR:

PHASE & DISCIPLINE:  
**SHOP DRAWING  
STRUCTURAL**

DRAWING TITLE:  
**AIRCRAFT COMPONENT MAINTENANCE SHOPS  
COLUMN REINFORCEMENT DETAILS  
GROUND LVL. TO ROOF LVL. - AREA AA12  
SHEET 2 OF 4**

PROJECT NUMBER	DRAWING NUMBER	REV.
	433-A001-S-SH-12-G-1902	00

MEMBER	BAR MARK	NO OF MBRS	NO. OF BARS IN EACH	QTY	SIZE	TOTAL LENGTH	SHAPE CODE	A mm*	B mm*	C mm*	D mm*	E mm*	F mm*	G mm*	H mm*	J mm*	K mm*	O mm*	R mm*	TOTAL Wt KG	BAR SHAPE	
LINKS	51	3	62	186	T 10	3110	T1	115	720	720	720	720		115						356.69		
LINKS	52	3	110	330	T 10	2400	T1	115	385	700	385	700		115						488.36		
LINKS	53	3	44	132	T 10	1635	T1		720	195	720									133.08		
Column CC1-04 VERT.	54	1	16	16	T 25	9485	3		1375	305	4725	305	2775		50		300	9475		584.86		
VERT.	55	1	16	16	T 25	6880	6		5200	305	925			450	50		300	6425		424.23		
LINKS	56	1	7	7	T 10	3030	T1	115	700	700	700	700		115						13.08		
LINKS	57	1	14	14	T 10	2380	T1	115	375	700	375	700		115						20.55		
LINKS	58	1	64	64	T 10	3110	T1	115	720	720	720	720		115						122.73		
LINKS	59	1	106	106	T 10	2400	T1	115	385	700	385	700		115						156.87		
LINKS	60	1	22	22	T 10	1635	T1		720	195	720									22.18		
Column CC1-05 VERT.	61	2	20	40	T 25	8585	3		1375	305	3825	305	2775		50		300	8575		1323.42		
																				<b>Weight</b>	<b>3289.35</b>	