

6B STRUCTURAL - FOUNDATION so.1 1/4" = 1'-0"

	SHEARWALL HOLDDOWN AT FOUNDATION						
TYPE MARK	ТҮРЕ	HARDWARE	END POST	ATTACHMENT TO END POST	ANCHORAGE TO FOUNDATION	DETAIL	CAPACITY
HD2	POST-INSTALLED HOLDDOWN	SIMPSON HTT5	(2)-2X	(26) 0.148 X 3 NAILS	5/8" DIA. GR.36 ALL-THREAD WITH 8" EMBEDMENT WITH NUT AND WASHER	SEE SHEET S4.3 FOR DETAILS	4670
HD2	POST-INSTALLED HOLDDOWN	SIMPSON STHD14	(2)-2X	(30) 0.148 X 3 NAILS	ANCHOR CAST INTO FOUNDATION	SEE SHEET S4.3 FOR DETAILS	4210
HD3	POST-INSTALLED HOLDDOWN	SIMPSON HDU8-SDS2.5	(3)-2X	(20) 1/4" X 2 1/2" SDS SCREWS	7/8" DIA. GR.36 ALL-THREAD WITH 17 1/2" EMBEDMENT WITH NUT AND WASHER	SEE SHEET S4.3 FOR DETAILS	6200
HD4	POST-INSTALLED HOLDDOWN	SIMPSON HDU14-SDS2.5	6X6	(36) 1/4" X 2 1/2" SDS SCREWS	1" DIA. GR.36 ANCHOR ROD WITH 18" EMBEDMENT	SEE SHEET S4.3 FOR DETAILS	10000

STRUCTURAL CONNECTION NOTES:

• MINIMUM EDGE DISTANCE TO CENTERLINE OF BOLT IS 3". AT CORNERS, THE OPPOSING EDGE DISTANCE MUST BE ≥ 6". • MINIMUM #4X36" LONG REINFORCING BAR LOCATED 3"-5" BELOW THE TOP OF THE SLAB IS REQUIRED TO BE CENTERED ON THE HOLDOWN, AT CORNER, BEND THE BAR 90° AT THE CENTER

• REFERENCE MECHANICALLY LAMINATED BUILT-UP COLUMN FOR NAILING REQUIREMENTS FOR END POST. • SIMPSON ATR(REQUIRED Ø) WITH SIMPSON SET-3G IS AN ACCEPTABLE OPTION.

				FOOTING SO	CHEDULE		
TYPE		DIMENSIONS		5	BOTTOM REINFORCING		
MARK	NAME	COUNT	WIDTH	LENGTH	DEPTH	LONG	SHORT
FT1	CONCRETE STEEL COLUMN FOOTING - 4' X 4' x 2'-6"	12	4' - 0''	4' - 0''	2' - 6"	SEE DETAIL 2B/S3.1	SEE DETAIL 2B/S3.1
FT2	CONCRETE STEEL COLUMN FOOTING 5.5' X 5.5' x 2.5'	4	5' - 6"	5' - 6"	2' - 6"	SEE DETAIL 2B/S3.1	SEE DETAIL 2B/S3.1

PTI PARAMETERS
E _u m - CENTER 4.8'
 E m - EDGE 2.0'
Y _v m - CENTER 1.0"
Y _v m - EDGE 1.25"
 EFFECTIVE PLASTICITY INDEX 35
ALLOW. BEARING (PSF) 1,800 F
MIN. BEAM EMBEDMENT BLEOW 18" FINAL GRADE
MIN PERIMETER BEAM EMBEDMENT 52" BELOW FINAL GRADE
BELOW FINAL GRADE SLAB GEOMETRY
AREA (SF) 5711 S
PERIMETER (FT) 396 FT

FOUNDATION SCHEDULE								
BEAM ID	DESCRIPTION	WIDTH	DEPTH	TOP BARS	BOTTOM BARS	STIRRUPS	Type Comments	OD_Structural
GB1	GRADE BEAM - INTERIOR - 14"	14"	30"	(3) - #6	(3) - #6	#3 @24" OC		F
GB2	GRADE BEAM - PERIMETER - 14"	14"	30"	(3) - #6	(3) - #6	#3 @24" OC		F
GB2A	GRADE BEAM - PERIMETER - 14" - W/ 8" CONCRETE WALL	8"		(3) - #6	(3) - #6	#3 @24" OC	SEE 1D/S3.1 FOR MORE DETAIL	F
GB3	GRADE BEAM - INTERIOR - 28"	28"	30"	DOUBLE GB1	DOUBLE GB1	DOUBLE GB1	(2) GB1 STIRRUP CAGES SIDE/SIDE - SEE DETAIL 2A/S3.0	F
GB4	8" CONCRETE FOUNDATION	8"	36"				SEE 6A/S3.1	F
GB5	TURNDOWN THICKENED SLAB	12"	12"	N/R	(2) - #4	N/R		F

FOUNDATION NOTES					
FOUNDATION TYPE:	BRAB TYPE III - STIFFENED NON-STRUCTURAL SLAB-ON-GROUND				
SLAB THICKNESS:	5"				
SLAB REINFORCEMENT:	#4 @ 16" OC EACH WAY - REF DETAIL				
DESIGN METHOD:	ACI 318				
VAPOR RETARDER:	MINIMUM 10 MIL (UNLESS THICKER REQ'D BY ARCHITECT)				

NOTES: 1. BEAMS ARE TYPE B1 UNO.

2. LOCATE THE FIRST STIRRUP A MAXIMUM OF 3' FROM FACE OF SUPPORT. 3. BEAM DEPTH INDICATED IN THE SCHEDULE IS A STRUCTURAL MINIMUM THAT THE BEAM

REINFORCEMENT CAGE MAY BE BASED UPON. REFERENCE GEOTECHNICAL REPORT FOR MINIMUM GRADE BEAM EMBEDMENT BELOW ADJACENT FINAL GRADE OR FLATWORK/PAVEMENT.

4. N/R = NOT REQUIRED

PLAN NOTES **1. VERIFY ALL EDGE OF FOUNDATION DIMENSIONS WITH FINAL ARCHITECTURE FLOOR PLANS.** 2. FORM DIMENSIONS: SLAB DROPS, SLOPES, ETC. SHOWN AS AN AID TO CONTRACTOR ONLY. VERIFY EXACT DIMENSIONS AND LOCATIONS WITH ARCHITECT. 3. DIMENSIONS ARE TO OF GRADE BEAMS OR EDGE OF SLAB UNLESS NOTED OTHERWISE. 4. CONTROL JOINTS (SAW-CUTS) ARE RECOMMENDED TO REDUCE CRACKS IN THE SLAB, BUT ARE

NOT REQUIRED FOR STRUCTURAL REQUIREMENTS. FOR THE RECOMMENDED MAXIMUM JOINT SPACING REFERENCE DETAIL 5. FOR FLATWORK OR PAVEMENT ABUTTING THE BUILDING FOUNDATION REFERENCE DETAIL 6. CONCRETE IS ASSUMED TO RECEIVE A STEEL TROWEL FINISH UNLESS NOTED OTHERWISE. NOTIFY ENGINEER IF ARCHITECTURALLY EXPOSED CONCRETE (STAINED, POLISHED, ETC.) IS PLANNED

FOR ADDITIONAL SHRINKAGE CRACKING MITIGATION METHODS.

FOUNDATION PLAN MARCO POLO - 101 W 33RD STREET - BRYAN, TX 77803

Date

+----

- -----

- -----

+----

