STRUCTURAL DATA CHART

LOADING ZONES (SEE XS1)	I	II	III	IV	V
ROOF LIVE LOAD (PSF)	16	16	32	32	LOADING CONDITIONS ARE TO BE VERIFIED BY AN EXPERIENCED ENGINEER FAMILIAR WITH LOCAL VARIATIONS.
WIND SPEED (MPH)	100	80	100	80	
DESIGN WIND PRESSURE (PSF) (SEE NOTE 8)	23.5	15.0	23.5	15.0	
DESIGN CRITERIA AND MATERIAL DESCRIPTIONS	REGULAR TRUSS 7, XS4 ROOF DECK (2) ROOF NAILING (3) ROOF PURLINS (5) REGULAR POLES SIZE: 3-2X12 (C) KNEE BRACE: 4XS8 ENDWALL POLES SIZE: 4-2X6 (C) KNEE BRACE: 4XS8 CORNER POLES SIZE: 4-2X12 (C) KNEE BRACE: NONE STUD WALLS (7)	REGULAR TRUSS 7, XS4 ROOF DECK (2) ROOF NAILING (4) ROOF PURLINS (5) REGULAR POLES SIZE: 3-2X10 (C) KNEE BRACE: 4XS8 ENDWALL POLES SIZE: 4-2X6 (C) KNEE BRACE: 4XS8 CORNER POLES SIZE: 4-2X10 (C) KNEE BRACE: NONE STUD WALLS (7)	REGULAR TRUSS 8, XS4 ROOF DECK (2) ROOF NAILING (3) ROOF PURLINS (6) REGULAR POLES SIZE: 4-2X10 (C) KNEE BRACE: 8XS8 ENDWALL POLES SIZE: 4-2X6 (C) KNEE BRACE: 4XS8 CORNER POLES SIZE: 4-2X12 (C) KNEE BRACE: NONE STUD WALLS (7)	REGULAR TRUSS 8, XS4 ROOF DECK (2) ROOF NAILING (4) ROOF PURLINS (6) REGULAR POLES SIZE: 4-2X10 (C) KNEE BRACE: 8XS8 ENDWALL POLES SIZE: 4-2X6 (C) KNEE BRACE: 4XS8 CORNER POLES SIZE: 4-2X10 (C) KNEE BRACE: NONE STUD WALLS (7)	
FOUNDATION DESIGN 2000 POUNDS PER SQUARE FOOT SAFE BEARING CAPACITY AND 200 POUNDS PER SQUARE FOOT PER FOOT OF DEPTH, SAFE PASSIVE SOIL PRESSURE.	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 28" PIER EMBEDMENT: 4'-0"	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 28" PIER EMBEDMENT: 3'-6"	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 32" PIER EMBEDMENT: 4'-0"	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 32" PIER EMBEDMENT: 3'-6"	
FOUNDATION DESIGN 3000 POUNDS PER SQUARE FOOT SAFE BEARING CAPACITY AND 200 POUNDS PER SQUARE FOOT PER FOOT OF DEPTH, SAFE PASSIVE SOIL PRESSURE.	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 22" PIER EMBEDMENT: 4'-6"	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 22" PIER EMBEDMENT: 3'-9"	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 26" PIER EMBEDMENT: 4'-0"	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 26" PIER EMBEDMENT: 3'-9"	
FOUNDATION DESIGN 4000 POUNDS PER SQUARE FOOT SAFE BEARING CAPACITY AND 200 POUNDS PER SQUARE FOOT PER FOOT OF DEPTH, SAFE PASSIVE SOIL PRESSURE.	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 20" PIER EMBEDMENT: 4'-6"	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 20" PIER EMBEDMENT: 4'-0"	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 24" PIER EMBEDMENT: 4'-3"	REGULAR, ENDWALL AND CORNER POLES. PIER DIAMETER: 24" PIER EMBEDMENT: 3'-9"	

NOTES :

(1) SEE XS1 FOR LUMBER CLASS DESIGNATIONS; SEE XS4 FOR TRUSS PROFILES.

(2) 1/2" THICK, C-D 32/16 INTERIOR PLYWOOD WITH EXTERIOR GLUE; 4'X8' SHEETS ARE TO BE APPLIED WITH 8' DIMENSION PARALLEL TO ROOF TRUSSES AND WITH CONTINUOUS JOINTS PARALLEL TO ROOF PURLINS.

(3) ROOF IS AN UNBLOCKED DIAPHRAGM WITH 8d COMMON SMOOTH OR DEFORMED SHANK NAILS SPACED 6" OC ALONG PANEL EDGE AND 12" OC ALONG INTERMEDIATE SUPPORTS.

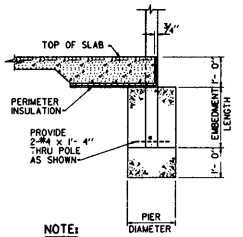
(4) ROOF IS AN UNBLOCKED DIAPHRAGM WITH 6d COMMON SMOOTH OR DEFORMED SHANK NAILS SPACED 6" OC ALONG PANEL EDGE AND 12" OC ALONG INTERMEDIATE SUPPORTS.

(5) 2X4 PURLINS SPACED 16" OC, LUMBER CLASS DESIGNATION (C). SEE SECTION CXS7.

(6) 2X6 PURLINS SPACED 19.2" OC, LUMBER CLASS DESIGNATION (C). SEE SECTION DXS7.

(7) THE MINIMUM LUMBER CLASS DESIGNATION FOR 2X STUDS IS (E). ALL STUDS ARE 2X4 EXCEPT AS NOTED ON ARCHITECTURAL DRAWINGS. STUDS ARE 24" OC UNLESS NOTED OTHERWISE.

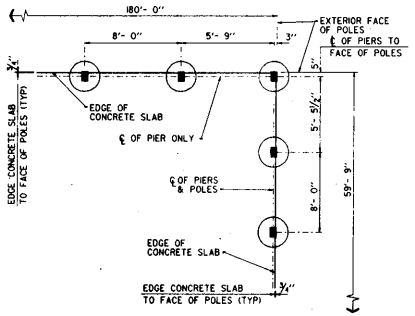
(8) HORIZONTAL WIND PRESSURE (WINDWARD FACE OF WALL).



NOTE:
1. THIS DETAIL APPLIES TO ALL POLE TYPES.
2. SEE STRUCTURAL DATA CHART FOR PIER DIAMETER AND EMBEDMENT LENGTH.

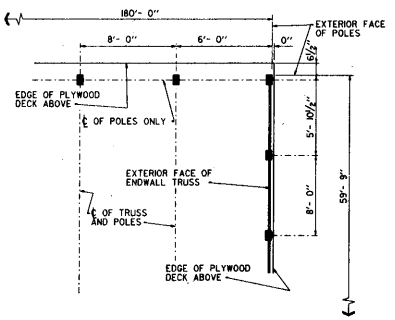
POLE FOUNDATION DETAIL FOR FIRST FLOOR AT GRADE

NO SCALE



PARTIAL PLAN "A"

NO SCALE



PARTIAL PLAN "B"

NO SCALE

Symbol	Description	Date	Approved
	Revisions		

J. E. SIRRINE COMPANY
ARCHITECT - ENGINEER DIVISION
GREENVILLE, SOUTH CAROLINA

US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

Site adapt A/E :

ARMY MOBILIZATION DESIGNS

US Army Corps of Engineers

WARD - 46 BED

STRUCTURAL DETAILS

Dwn. by : AHG	Ckd. by : JML		
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Approved by : TAP	Drawing code : M 510-10-F		Sheet 2 of 2