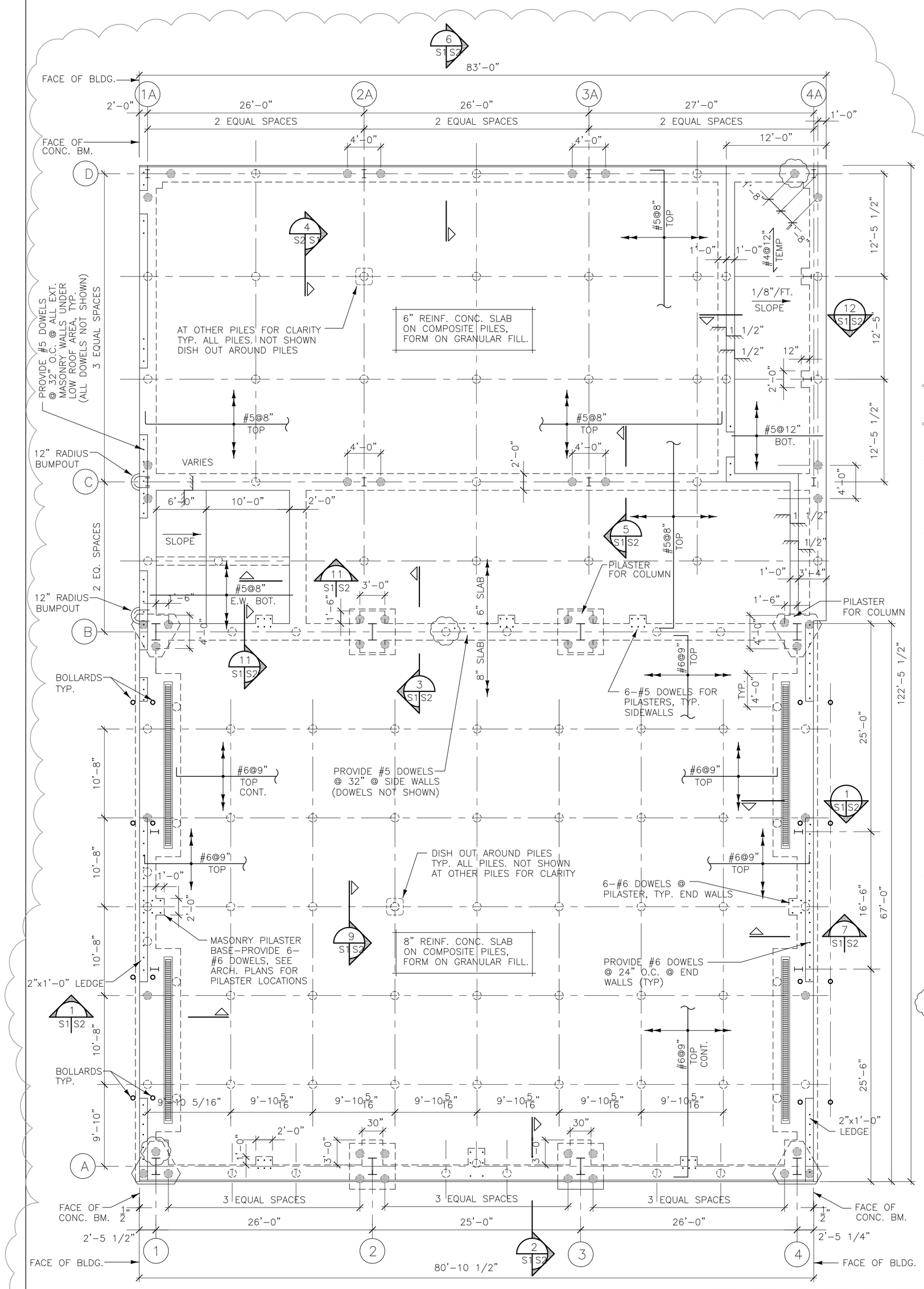
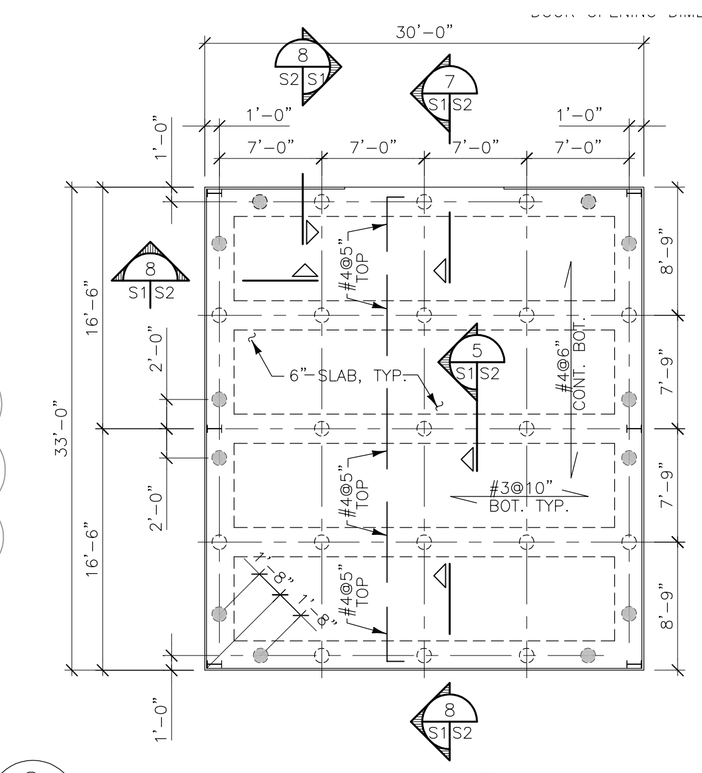
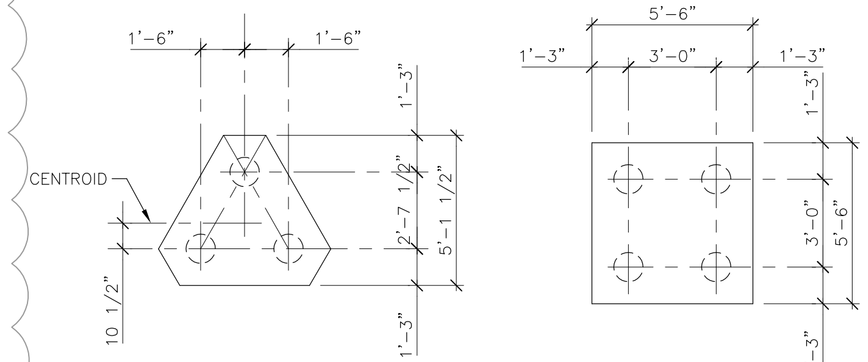


1 S-1 *FOUNDATION PLAN* (O.M.S. BUILDING)
SCALE : 1/8" = 1'-0"



2 S-1 *FOUNDATION PLAN* (COVERED UNHEATED STORAGE)
SCALE : 1/8" = 1'-0" SEE ARCH. PLANS FOR LOCATIONS



TYPICAL 3-PILE CAP

TYPICAL 4-PILE CAP

A S1 S1 PILE CAP DETAILS
SCALE:1/4"=1'-0"

PILE CAP SCHEDULE

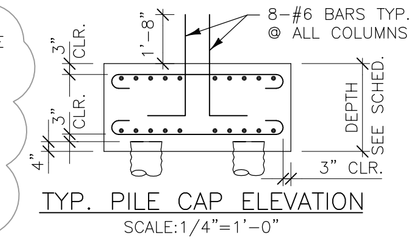
NO. PILES	DEPTH	REINFORCING		REMARKS
		LONG WAY	SHORT WAY	
3	3'-6"	5-#8H 3 WAYS		BOT. ONLY
4	3'-6"	10-#8H	10-#8H	TOP & BOT.

H=180° HOOK ON ENDS OF BARS

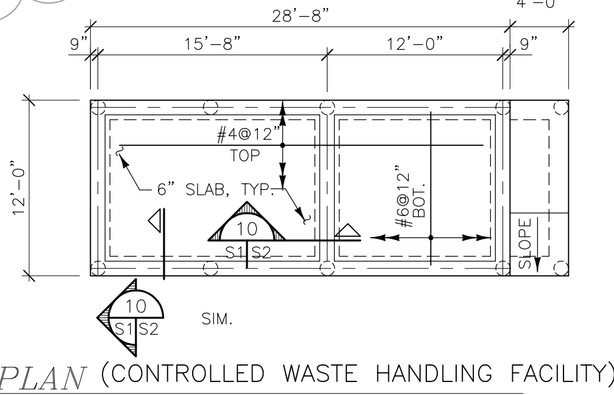
INDICATES PROBE PILE LOCATIONS

INDICATES COMPOSITE PILE

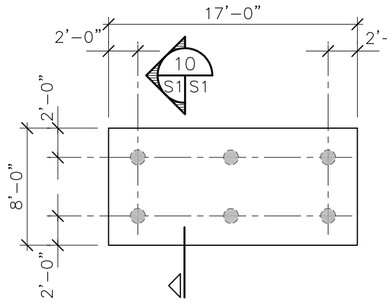
INDICATES COMPOSITE PILE W/ #6 BAR



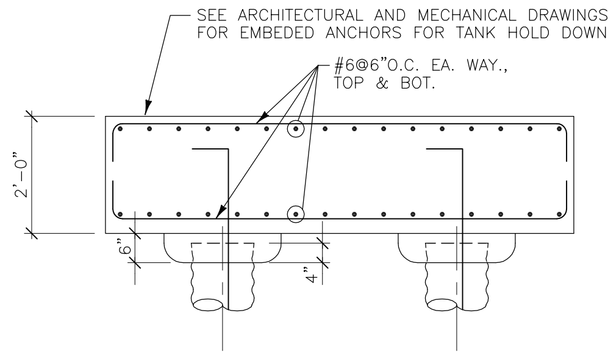
TYP. PILE CAP ELEVATION
SCALE:1/4"=1'-0"



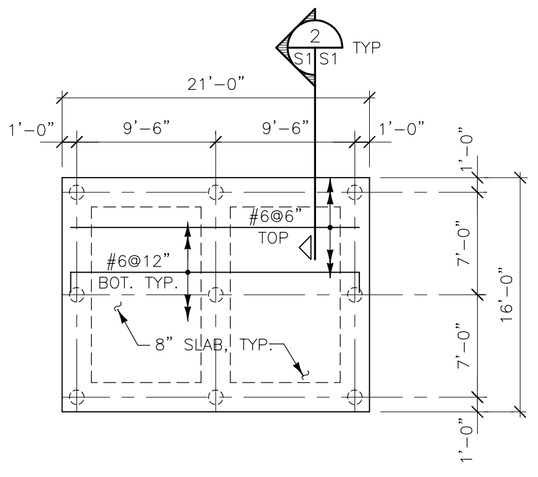
3 S-1 *PLAN* (CONTROLLED WASTE HANDLING FACILITY)
SCALE : 1/8" = 1'-0" SEE ARCH. PLANS FOR LOCATIONS



4 S-1 *PLAN* (FUEL TANK SYSTEM CONC. SLAB)
SCALE : 1/8" = 1'-0" SEE ARCH. PLANS FOR LOCATION



10 S1 S1 SECTION
SCALE:1/2"=1'-0"



5 S-1 *PLAN* (USED OIL STORAGE FACILITY)
SCALE : 1/8" = 1'-0" SEE ARCH. PLANS FOR LOCATION

1. BUILDING CODE: STANDARD BUILDING CODE, 1991 EDITION WITH ST. BERNARD PARISH AMENDMENTS.

DESIGN LOADS

ROOF LIVE:	20 PSF
WORK BAY AREA:	200 PSF OR M1074 TRUCK AXLE LOADS
ADMINISTRATIVE AREA FLOOR:	100 PSF
COVERED UNHEATED STORAGE BLDG. FLOOR:	500 PSF
WIND: ASCE-7-95	120 MPH COASTAL EXPOSURE

PILING NOTES

1. PILES SHALL BE COMPOSITE PILES CONSISTING OF AN UNTREATED TIMBER SECTION AND A CONCRETE FILLED METAL CASING (CAN) PILES SHALL BE 75' LONG FROM TIP TO CUTOFF. IN NO CASE SHALL THE METAL CASING EXTEND LESS THAN 10' BELOW EXIST. GRADE. PILE CAPACITY = 16 TONS

2. THE UNTREATED TIMBER SECTION SHALL CONFORM TO ASTM D-25, FRICTION PILE WITH 13 INCH MIN. BUTT DIA. AND MIN. TIP DIA. SHALL BE 7 INCHES.

3. COMPOSITE CONNECTOR SHALL BE 12 GAGE MIN. MATERIAL WITH CROSS WEDGES OF 1/4 INCH MIN. MATERIAL (ARMCO COMPOSITE PILE CONNECTOR OR APPROVED EQUAL.) METAL CASING SHALL BE 12"ø, 16 GA. MIN. METAL THICKNESS.

4. DRIVE PILES THEIR FULL LENGTH WITH A VULCAN NO.1 OR 06 HAMMER WITHOUT DAMAGING PILES.

5. REMOVE ALL FOREIGN MATERIAL AND WATER FROM METAL CASING PRIOR TO PLACING CONCRETE. PLACE CONCRETE IN CLEAN AND DRY METAL CASING. CONCRETE SHALL BE 3000 PSI MIN. AT 28 DAYS.

6. BROKEN, SHATTERED OR BROOMED PILES OR PILES MORE THAN 2% OUT OF PLUMB OR ANY PILE MORE THAN 3 INCHES OUT OF PLACE SHALL BE REMOVED OR LEFT IN PLACE AND A REPLACEMEMT PILE DRIVEN AS DETERMINED BY ENGINEER.

7. DRIVE THREE PROBE PILES AT LOCATIONS INDICATED OR INSTRUCTED. IT IS INTENDED THAT THE PROBE PILES WILL BE USED AS JOB PILES. CONTRACTOR SHALL PROVIDE TEST RIG AND TESTING LABORATORY SERVICES AND LOAD TEST ONE PILE AS PER THE ST. BERNARD PARISH BUILDING CODE, ARTICLE 2803.B, WHERE THE PILE IS LOADED TO FAILURE. LOAD TEST SHALL ALSO CONFORM TO ASTM D1143. PILES SHALL NOT BE TESTED UNTIL 14 DAYS AFTER THEY ARE DRIVEN.

8. CONTRACTOR SHALL MONITOR PILE DRIVING VIBRATIONS TO DETERMINE THE EFFECTS ON STRUCTURES AND UTILITIES AND TO DETERMINE IF THE PILE DRIVING PROCEDURES SHOULD BE MODIFIED.

CONCRETE NOTES

1. ALL CONCRETE SHALL BE SAND AND GRAVEL ATTAINING A STRENGTH OF 4000 PSI AT 28 DAYS AGE CONFORMING TO ACI 318-83. CONCRETE FOR PILING MAY BE 3000 PSI.

2. ALL REINFORCING BARS SHALL CONFORM TO ASTM A-615 GRADE 60 DEFORMED.

3. REINFORCING BARS SHALL BE BENT AS SHOWN ON THE DRAWINGS AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE ACI 315. ALL ACCESSORIES SHALL BE PLASTIC TIPPED.

4. UNLESS OTHERWISE NOTED, ALL SPLICES SHALL CONFORM TO ACI 318, BUT NOT LESS THAN 48 BAR DIAMETERS FOR TOP BARS AND 38 BAR DIAMETERS FOR BOTTOM BARS. STAGGER ALL SPLICES . DO NOT SPLICE IN AREAS OF HIGH BENDING STRESS. DO NOT CUT BARS TO ALLOW FOR PLUMBING OR OTHER OBSTRUCTIONS. PROVIDE CORNER BARS AT ALL CORNERS. HOOK ENDS OF BARS IN BEAMS TERMINATING AT OTHER BEAMS.

5. CONCRETE STRUCTURAL DESIGN IS BASED UPON ACI 318-95.

6. CHAMFER ALL EXPOSED CONCRETE EDGES EXPOSED TO VIEW 3/4" UNLESS NOTED OTHERWISE.COORDINATE WITH ARCHITECTURAL DRAWINGS.

7. FLOOR SLABS SHALL BE FINISHED TO A FLOOR FLATNESS/LEVELNESS NUMBER (F-NUMBER) OF FF18/FL15 IN ACCORDANCE WITH ACI 302.1R-89 AND ASTM E 1155.

REVISIONS:
NO. | DATE: | DESCRIPTION:
2 | 3/24/98 | ROTATED BLDG. ADDED BOLLARDS

H. HERSBERG AND ASSOCIATES, ARCHITECTS, A PROFESSIONAL CORPORATION
EQUITABLE CENTER SUITE 2640 1515 POYDRAS ST. NEW ORLEANS, LA 70112

PROJECT: O.M.S. FACILITY #12
JACKSON BARRACKS
NEW ORLEANS, LA

THIS SHEET: FOUNDATION PLAN

DATE: 2-27-98
PROJECT NO: 5933

LINFIELD, HUNTER & JUNIUS, INC.
CONSULTING ENGINEERS AND ARCHITECTS
3500 North Causeway Blvd. Suite 200
Metairie, Louisiana 70002

SHEET NO:
S-1 OF: X