SHEET NO.	TOTAL SHEETS
S1.1	

GENERAL STRUCTURAL NOTES

A. DESIGN CRITERIA

1. BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC), [2000] EDITION, INCLUDING LOCAL SUPPLEMENTS.

2. LATERAL LOADS (PER ASCE 7):

A. WIND:
BASIC WIND SPEED:	90 MPH (3 SECOND GUST)
WIND EXPOSURE:	C
WIND IMPORTANCE FACTOR:	1.0

B. SEISMIC:
SEISMIC DESIGN CATEGORY:	B
SEISMIC USE GROUP:	I
Sds:	0.150
Sd1:	0.090

B. SOIL PREPARATION AND FOUNDATIONS

~~1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENGAGE A LICENSED GEOTECHNICAL ENGINEER TO PERFORM A SUBSURFACE GEOTECHNICAL INVESTIGATION. THE RESULTS OF THE GEOTECHNICAL INVESTIGATION SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW. SUFFICIENT SOIL BORINGS SHALL BE MADE TO VERIFY THAT THE PRESUMPTIVE SOIL BEARING PRESSURE OF 1,500 PSF IN UNDISTURBED SOILS AND ENGINEERED FILLS USED FOR DESIGN IS SAFE.~~

C. CAST-IN-PLACE CONCRETE

1. ALL STRUCTURAL CONCRETE HAS BEEN DESIGNED IN ACCORDANCE WITH THE ACI 318 AND THE BUILDING CODE, AND IN CONFORMANCE WITH THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE."

2. THE CONCRETE REQUIREMENTS ARE:

A. CEMENT SHALL BE TYPE II CONFORMING TO ASTM C150.

B. FINE AND COARSE AGGREGATES SHALL CONFORM TO ASTM C33 AND MEET #67 GRADATION REQUIREMENTS.

C. MIX REQUIREMENTS ARE:

MIN. F'C PSI	MIN. CEM. PCY	MAX. W/C RATIO	AIR ENT.	SLUMP INCHES
3000	423	0.50	NR	3-6

3. MISCELLANEOUS CONCRETE DETAILS:

A. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" INSIDE FORMS OR TOOLED TO 3/4" RADIUS UNLESS NOTED OTHERWISE.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL FORMING, TEMPORARY BRACING AND SHORING.

D. CONCRETE REINFORCING

1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60. REINFORCING BARS REQUIRED TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60. WELDING OF REINFORCING OTHER THAN SPECIFIED IS PROHIBITED.

2. PLACEMENT

A. MAINTAIN ACI CLEAR COVER ON REINFORCING AS LISTED BELOW UNLESS NOTED OTHERWISE.

CAST AGAINST EARTH (BOTTOM OR SIDES):	3"
FORMED - EXPOSED TO SOIL, WEATHER OR LIQUIDS:	2"

B. ALL REINFORCING BARS ARE TO BE MADE CONTINUOUS OR LAPPED 40 BAR DIAMETERS.

E. MISCELLANEOUS

1. DO NOT SCALE PLANS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO STARTING WORK.

2. THE CONTRACTOR SHALL DESIGN AND PROVIDE ALL TEMPORARY SHORING OR BRACING REQUIRED TO SAFELY CONSTRUCT THE STRUCTURE AND PREVENT DAMAGE TO THE STRUCTURE DURING CONSTRUCTION.

3. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITES PRIOR TO ANY EXCAVATION AND IMMEDIATELY REPORT ANY CONFLICTS TO THE ENGINEER OF RECORD. EXISTING ABANDONED ELEMENTS THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.

4. WHEN THE CONTRACTOR OR HIS SUBCONTRACTOR(S) FAILS TO CONSTRUCT ANY PORTION OF THE STRUCTURE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE REMEDIATION OF THE DEFECT AND ALL RELATED COSTS INCLUDING ENGINEERING SERVICES. WHEN A DEFECT IS FIRST IDENTIFIED, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION. THE ENGINEER MAY THEN REQUIRE THE CONTRACTOR TO MODIFY/REPLACE THE ELEMENT TO RECTIFY THE SITUATION, OR REQUIRE THE CONTRACTOR TO SUBMIT A RECOMMENDED REPAIR SEALED BY A LICENSED ENGINEER FOR APPROVAL.

F. STRUCTURAL TESTS, INSPECTIONS, AND QUALITY ASSURANCE

1. ALL STRUCTURAL TESTS AND INSPECTIONS SHALL BE PERFORMED PER CHAPTER 17 OF THE BUILDING CODE WITH LOCAL SUPPLEMENTS, UNLESS MORE STRINGENT REQUIREMENTS ARE SPECIFIED.

ADD. #3

B. GENERAL STRUCTURAL NOTES, REPLACE SECTION B WITH THE FOLLOWING.

B. SOIL PREPARATION AND FOUNDATIONS

1. THE FOUNDATION SYSTEM IS DESIGNED AS RECOMMENENDED IN THE GEOTECHNICAL INVESTIGATION PREPARED BY ALLIED LABORATORIES; JOB NO. 74-05471-147. A COPY IS IN THE SPECIFICATIONS OR IS AVAILABLE FOR INSPECTION AT THE ENGINEER'S PLACE OF BUSINESS.

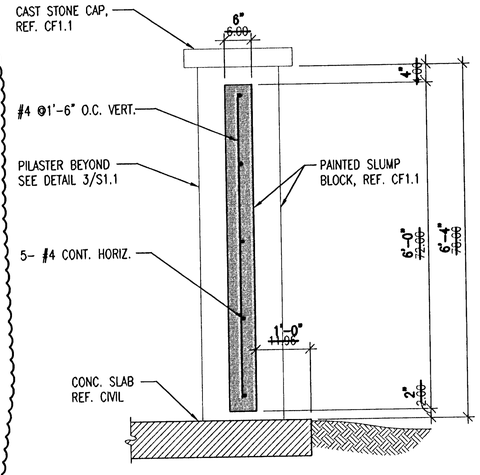
2. REMOVE TOP SOIL CONTAINING ORGANIC MATERIAL AND PREPARE THE BUILDING PAD IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION.

3. REMOVE SOIL AS REQUIRED TO ALLOW FOR A LOW VOLUME CHANGE ZONE 18" THICK UNDER THE SLAB AND DRAINAGE MATERIAL FILL TO SUBGRADE ELEVATION SHOWN ON THE DRAWINGS WITH NON-EXPANSIVE FILL OR STABILIZED SOIL PER SPECIFICATION.

4. SOIL SUPPORTED FOUNDATIONS:

A. DESIGN BEARING PRESSURE (NET) IS 1500 PSF (ASSUMED) FOR FOUNDATIONS BEARING ON UNDISTURBED SOIL OR APPROVED ENGINEERED FILL MATERIAL BEARING MATERIALS SHALL BE VERIFIED BY A LICENSED GEOTECHNICAL ENGINEER.

B. ALL FOUNDATIONS ARE DESIGNED WITH EARTH FORMED SIDES; THE TOP 7 1/4" OF THE FOUNDATION SHALL BE FORMED TO THE DESIGN DIMENSION. THE CONSTRUCTED FOUNDATION DIMENSION SHALL BE GREATER THAN THE DESIGN DIMENSION.

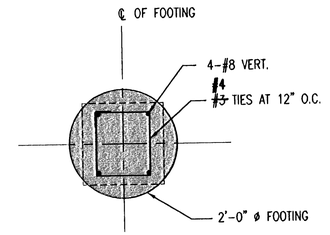


1 / S1.1 **TYP. WALL SECTION**
3/4" = 1'-0"

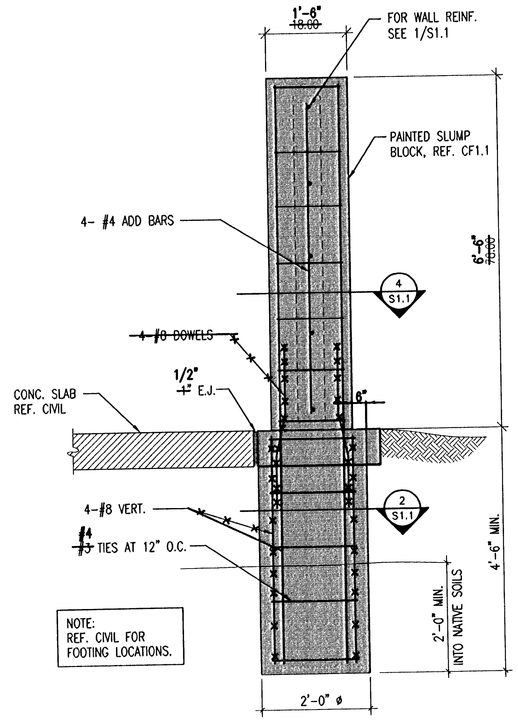
3 ADDENDUM #3

ADD. #3

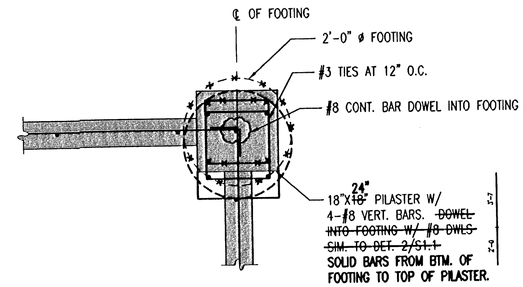
THE EXTERIOR OF THE CONCRETE WALL SHALL HAVE A SLUMP BLOCK FINISH. THE CONCRETE WALL SHALL BE COATED WITH THOROCOAT AS MANUFACTURED BY THORO OR APPROVED EQUAL. THE CONTRACTOR SHALL APPLY THE COATING IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.



2 / S1.1 **TYP. FOOTING SECTION AT PILASTER**
3/4" = 1'-0"



3 / S1.1 **SECTION AT PILASTER**
3/4" = 1'-0"



4 / S1.1 **DETAIL AT PILASTER**
3/4" = 1'-0"

Bill Earl 26 JAN 07

RECORD DRAWING

3 ADDENDUM #3

THE WICHITA AIRPORT AUTHORITY
COLONEL JAMES JABARA AIRPORT

CONCRETE WALL DETAILS

SANITARY SEWER AND WATER DISTRIBUTION SYSTEM
SOUTHWEST AREA SITE DEVELOPMENT IMPROVEMENTS

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

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