- WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS UNLESS NOTED OTHERWISE.
- OTHERWISE.

  ALL DESIGN AND CONSTRUCTION IS BASED ON AND SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2012 EDITION WITH APPLICABLE GA STATE AMENDMENTS ALL REFERENCED STATUDARDS SHALL BE OF THE EFFECTIVE DATE NOTED IN THE CONTROLLING BUILDING CODE.
- CONTROLLING BUILDING CODE.

  NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY NUCREPORATED BY REFERENCE BITHE CONSTRUCTION DOCUMENTS) SHALL BEE FEFECTIVE TO CHANGE THE DUTIES AND RESPONSIBLINES OF OWNER.

  SHALL BEE FEFECTIVE TO CHANGE THE DUTIES AND RESPONSIBLINES OF OWNER.

  EMPLOYEES FROM THOSE SET FORTH IN THE CONSTRUCTION DOCUMENTS NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE WORK OR AUTHORITY TO SUPERVISE OR DEET THE FUNDAMING OF PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO INDICATIVE RESPONSIBLINES CONTRARY TO THE PROVISIONS OF THE CONSTRUCTIVE DOCUMENT.
- PROVISIONS OF THE CONSTRUCTION DOCUMENTS.

  E. CONSTRUCTION DOCUMENTS INCLIDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE GENERAL CONTRACTOR.
- CONTRACTOR.

  CONSTRUCTION DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE
  OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, SJI OR OTHER STANDARDS. WHERE A
  CONFLICT OCCURS WITHIN THE CONSTRUCTION DOCUMENTS, THE STRICTEST REQUIREMENT
  SHALL GOVERN.
- SHALL GOVERN.
  THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND THE GENERAL CONTRACTOR UPDL. BENERER OF RECORD OF ANY DISCREPANCES PRIOR TO PROVIDE DEPENDENCY OF THE PROVIDE OF
- INFORMATION TO THE ARCHITECT FOR DIMENSIONS NOT PROVIDED.

  THE STRUCTURE SHOWN ON THESE DRAWINGS IS SELF-SUPPORTING ONLY IN ITS COMPLETED FORM. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADEQUACY, SAFETY, AND STRABILITY OF TEMPORARY ERECTION BRACKOR AND SHORMS.
- NO PROVISIONS HAVE BEEN MADE IN THE DESIGN FOR THE SUPPORT OF A CONCENTRATED LOAD FROM PLUMBING, MECHANICAL OR HVAC EXCEPT AS SHOWN ON THE DRAWINGS. LOAD FROM PLUMBING, MECHANICAL OR HAVG EXCEPT AS SHOWN ON THE DRAWINGS.

  THE GENERAL CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF FLOOR, ROOF, AND WALL PENETRATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS NOT SHOWN ON STICUTIRAL DRAWINGS MUST BE APPROVED BY THE STRUCTURAL LENGINEER OF RECORD UNLESS NOTED OTHERWISE.

  THE GENERAL CONTRACTOR SHALL VERIEN THAT MISCELLAMEOUS FRAMING SHOWN ON THE STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT, OWNER-PURNISHED TEMS, PARTITIONS, ETC. S CONSISTENT WITH THE REQUIPMENTS OF SUCKITEMS.
- M. ELEVATIONS SHOWN ARE TO TOP OF FOUNDATIONS, SLABS OR STEEL BEAMS UNLESS NOTED OTHERWISE.
- OTHERWISE.

  THE GRINEAL CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS.

  THE GENERAL CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE OSHA REGULATIONS.

- OSHA REGULATIONS.

  THE STRUCTURAL ENGINEER OF RECORD HAS DELEGATED THE DESIGN OF PRECAST CONCRETE, GLAZING SYSTEMS, COLD FORMED METAL FRAMING, RALING, SYNLIGHTS, AND STAINS, OR OTHER SYSTEMS OF SHOWN IN THE STRUCTURAL DRAWNGS, SUCH SYSTEMS OF STAINS, OR OTHER SYSTEMS OF SHOWN IN THE STRUCTURAL DRAWNGS, SUCH SYSTEMS OF CONTROL OF THE C COORDINATED BASED ON ELEVATOR CUT SHEETS PROVIDED DURNIG THE DESIGN PHASE OF THIS PROJECT THE CEMERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ELEVATOR MANUFACTURER FOR THE ELEVATOR(S) TO BE INSTALLED ON THE PROJECT AND SHALL ADJUST SHAMING OR PROVIDED MISSION, AS WELL AS ADJUST FRAMING OR PROVIDE MISCELLANEOUS FRAMING AS REQUIRED FOR SLAB OPENING ADJUSTMENTS, SLAB PROVIDE MISCELLANEOUS FRAMING AS REQUIRED FOR SLAB OPENING ADJUSTMENTS, SLAB SHOP OF THE PROVIDED OF THE PROV
- R. ALL TESTING SHALL BE PAID FOR BY THE OWNER (CONTRACTOR SHALL COORDINATE WITH OWNER TO ENSURE THAT COST OF TESTING IS ACCURATE AND PRESENTED TO OWNER WITH CONSTRUCTION COSTS.)

## SHOP DRAWINGS

- . STRUCTURAL DRAWINGS INDICATE TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. SHOP DRAWINGS SHALL DETAIL ALL CONDITIONS IN ACCORDANCE WITH SPECIFIED STANDARDS AND THE SPECIFIC REQUIREMENTS OF THIS PROJECT AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
- B. THE GENERAL CONTRACTOR SHALL SUBMIT, AS REQUIRED, PRINTS OR ELECTRONIC COPIES AS DIRECTED, OF SHOP DRAWINGS FOR ALL FABRICATED MATERIALS TO ARCHITECT FOR REVEW.
- NEVIEW.

  REVIEW OF SHOP DRAWINGS BY THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE GENERAL CONTRACTOR OF THE SOLE RESPONSIBILITY FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THOSE SHOP DRAWINGS.

- NOT RELEVE THE GENERAL CONTRACTOR OF THE SOLE RESPONSIBILITY FOR ERRORS AND OMISSIONA SOSCOLATED WITH THE PREPARATION OF THOSE SHOP DRAWINGS AND DALCULATIONS FOR DELECATED DESIGN ITEMS AS DICTATED BY THE SOME DRAWINGS AND DALCULATIONS FOR DELECATED DESIGN ITEMS AS DICTATED BY THE PROFESSIONAL LICENSES IN THE STATE IN WHICH THE PROJECT IS LOCATED BEFORE SUBMITTING FOR REVEW BY THE ARCHITECTSTRUCTURAL ENGINEER OF RECORD.

  COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF ALL APPLICABLE SPECIALTY ITEMS INCLUDING, BUT NOT LIMITED TO PRECAST CONCRETE, GLAZING SYSTEMS, COLD FORMED IN CONTRACTOR OF THE STATE IN WHICH THE PROJECT IS LOCATED BEFORE TO PRECAST CONCRETE. GLAZING SYSTEMS, COLD FORMED REGISTERED DESIGN PROFESSIONAL LICENSES ON THE STATE IN WHICH THE PROJECT IS LOCATED, AND SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.

  OF SHOP DRAWINGS IS PROBIBITED UNLESS NOTED OTHERWISE. IN THE STEME THAT OF THE PROJECTION OF SHOP DRAWINGS AS PROBIBED WHICH SHAPPING AND ASSOCIATION OF THE STRUCTURAL DEVELOPMENT OF THE CONTRACTOR SHALL CONTINUE TO ASSOCIATION OF THE CONTRACTOR SHALL CONTINUE TO ASSOCIATION OF THE STRUCTURAL DOCUMENT OF THE STRUCTURAL DEVELOPMENT OF THE STRUCTURAL DEVELOPMENT OF SHAPPING AND ASSOCIATION OF THE STRUCTURAL DEVELOPMENT O

### SOILS, SHALLOW FOUNDATIONS, & RETAINING WALLS - SITE WALLS

- A. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS AND THE CIVIL DRAWNINGS. THE STRUCTURAL DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN THE REPORT OF SUBSURFACE INVESTIGATION BY GEO-HYDRO ENGINEERS NO. 1996 12.20 DATED REPORT OF SUBSURFACE INVESTIGATION BY GEO-HYDRO ENGINEERS NO. 1996 12.20 DATED REVIEW THE RECOMMENDATIONS AND REQUIREMENTS NOLUCED THERE FOR THE SELECTED FOUNDATION SYSTEM IN THE CONSTRUCTION DOLUMENTS. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERTIFY ALL ASSUMPTIONS AND REPORT TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD AND VARIATIONS.
- DESIGN SOIL BEARING PRESSURE IS 2000 PSF.
  DESIGN SOIL LATERAL PRESSURES ON STRUCTURE ARE DUE TO THE FOLLOWING EQUIVALENT FULLION DENSITIES:

- FLUID DENSITIES:

  1. AT REST CONDITION:

  2. ACTIVE CONDITION:

  3. PASSINE CONDITION:

  4. POEFFICIENT OF FRICTION FOR SLIDING:

  4. COEFFICIENT OF FRICTION FOR SLIDING:

  4. COEFFICIENT OF FRICTION FOR SLIDING:

  4. COEFFICIENT OF FRICTION FOR SLIDING:

  5. POEFFICIENT OF FRICTION FOR SLIDING:

  5. POEFFICIENT OF FRICTION FOR SLIDING:

  5. POEFFICIENT OF FRICTION FOR SLIDING:

  6. POEFFICIENT OF FRICTION FOR SLIDING:

  7. POEFFICIENT OF FRICTION FOR SL
- NURCEOFFORMING CONDITIONS.

  WHERE FILL IS REQUIRED, IT SHALL BE SELECTED AND PLACED IN ACCORDANCE WINSTRUCTIONS OF A QUALIFIED GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN B PRESSURE.
- FROST DEPTH FOR THIS PROJECT IS 18" BELOW GRADE. FINISHED GRADE SHALL BE

### SPECIAL INSPECTIONS

- A. SPECIAL INSPECTIONS ARE REQUIRED IN ADDITION TO THE INSPECTIONS SPECIFIED IN SECTION 110 OF THE BUILDING CODE.
- B. ALL SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH DIVISION 01 SPECIFICATIONS.

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH DIVISION 03 SPECIFICATIONS.
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH 10 ISSUED ON STREAM CONFIDENCE ON STREAM CONTRACTORS SHALL SUBMITTO STRUCTURAL BINGSIES OF RECORD OF RECORD CONTRACTORS SHALL SUBMITTO STRUCTURAL BINGSIES OF OF RECORD CONSTRUCTION OF SHAPE SHAPE OF RECORD CONSTRUCTION ON INTO SARE PERMITTED EXCEPT THOSE SHOWN ON THE STRUCTURAL DRAWNOS. WHERE NEW CONCRETE IS TO BE POURED ONTO EXISTING CONCRETE, BONDING SHOULDED AN OTED MAIL CASE.
- CONDUITS, PIPES, AND SLEEVES OF ANY MATERIAL NOT HARMFUL TO CONCRETE SHALL BE PERMITTED TO BE EMBEDDED IN CONCRETE WITH THE APPROVAL OF THE STRUCTURAL
- ENGINEER OF RECORD.

  2. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE.

  3. CONDUITS, PIPES, AND SLEEVES PASSING THROUGH A SLAB, WALL, OR BEAM SHALL NOT SIGNIFICANLY MAPIAT THE STRENGTH OF THE CONSTRUCTION.
- SUSMITURANITY IMPAIR THE STRENGTH OF THE CONSTRUCTION.

  4. CONDUITS AND PIPES SHALL NOTBE LARGER IN OUTSIDE DIAMETER THAN 1/3 THE OVERALL
  THICKNESS OF THE SLAB, WALL, OR BEAM IN WHICH THEY ARE EMBEDDED.

  5. CONDUITS AND PIPES SHALL DIOTS ES PACED, LOGGER THAN 3 DIAMETERS OR WIDTHS ON
  CENTER. CONCRETE COVER FOR PIPES, CONDUITS AND FITTINGS SHALL NOT BE LESS THAN 1
  1/2" FOR CONCRETE EPOPES TO EARTH OR WATHER. NO 8/4" FOR CONCRETE NOT
  EXPOSED TO EARTH OR WEATHER OR IN CONTACT WITH GROUND.
- COMPUTS AND PPES SHALL BE PLACED BETWEEN TOP AND BOTTOM SLAB REMPORTS BY THE PLACED IN THE MODIE THRO OF THE SLAB OR WALL THICKNESS BURES IN OTE OTHERWISE.

  7. CONDUITS AND PPES SHALL BE SO APRICATED AND INSTALLED THAT OUTTING, BENDING, OR DISPLACEMENT OF REINFORCEMENT FROM ITS PROPER LOCATION WILL NOT BE REQUIRED.
- REQUIRED.

  8. CONDUITS AND PIPES, WITH FITTINGS, EMBEDDED WITHIN A COLUMN SHALL NOT DISPLACE MORE THAN 4 PERCENT OF THE AREA OF CROSS SECTION NOTED ON DRAWINGS OR AS REQUIRED BY FIRE PROTECTION.
- REQUIRED BY FIRE PROTECTION.

  9. PIPES AND FITTINGS SHALL BE DESIGNED TO RESIST EFFECTS OF MATERIAL, PRESSURE AND TEMPERATURE TO WHICH THEY WILL BE SUBJECTED.

  10. REIMPROMEDIATIVITH AN AREA NOT LESS THAN 0.002 TIMES THE AREA OF CONCRETE SECTION SHALL BE PROVIDED NORMAL TO PIPING. THIS SENFORCEMENT SHALL BE IN ADDITION TO REIMPROMEMENT NOTED ON PROMISSION OF THE SENERAL SHALL BE IN ADDITION TO REIMPROMEMENT FOR COUNTY AND PRESE BRIEDON OF STORY ADDITIONAL REQUIREMENTS FOR COUNTY AND PRESE BRIEDON ON RECOVERY OF THE SENERAL SHALL BE IN ADDITIONAL REQUIREMENTS FOR COUNTY AND PRESE BRIEDON ON REFORMERS.
- PIPES EMBEDDED IN CONCRETE:

  S. ESE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION
  DRAWNIGS FOR DRIPS, CHAMPERS, REQUETS, SLOTS, SLEEVES, RUSTICATIONS, INSERTS
  ANCHONS, AND OTHER EMBEDDED ITEMS NOT NOTED ON STRUCTURAL DRAWNIGS, THE
  ANCHORS AND OTHER EMBEDDED ITEMS NOT NOTED ON STRUCTURAL DRAWNIGS, THE
  EMBEDDED ITEMS SHOWN ON DRAWNIGS A ADDITIONAL TEMS NOTED IN THIS NOTE, AS
  REQUIRED BY OTHER TRADES. UNLESS SHOWN ON STRUCTURAL DRAWNIGS, NO DEPINIOS
  LARGER THAN 12'X12' SHALL BE PLACED IN SLABS OR WALLS. FOR OPENINGS NOT SHOWN ON
  STRUCTURAL DRAWNIGS, APPROVIAS MUST BE OFFT THE PROFIT OFFT ON THE STEEL AND
  PLACEMENT OF CONCRETE SHOW ALL OPENINGS AND SLEEVES ON THE SHOP DRAWNINGS.
- F. CORING OF SLABS AND USE OF DRILLED ANCHORS IS NOT PERMITTED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD. IF APPROVD, COORDINATE ANCHOR LOCATIONS SO THAT NO CONTACT IS MADE WITH ANY REINFORCING OR PITTENDONS.
- CONCRETE WITH MINIMUM FASTENERS (OR POWER PRIVEN FASTENERS) SHALL BE ANCHORED IN CONCRETE WITH MINIMUM FASTENER SPACING OF 3' AND MINIMUM EDGE DISTANCE OF 2'. FASTENERS SHALL NOT EXCEED 569' EMBEDMENT UNLESS APPROVED BY STRUCTURAL ENGINEER OF RECORD.
- ENDINEER OF RELORD.

  WHERE POLYSTRENE RIGID INSULATION IS INDICATED AS A FILL MATERIAL BELOW CONCRETE SLASS, INSULATION STYPHEN ENGINE OF A STATE OF A STA

### REINFORCING STEEL

- REINFORCING STEEL AND ACCESSORIES WORK SHALL BE IN ACCORDANCE WITH DIVISION 03 SPECIFICATIONS.
- SHEATMAN AND SEES HIGH LINKS SPLICES FROM SARS LABELED CONTRILLORS, SHLLL CONFORMED AND CASES AND LISE CLASS BY ACCORDING WITH ACID IS UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN ON ONTED IN THE STRUCTURAL BOOLIMENTS, EXCEPT FREINFORCEMENT MARKED YCONIOL CAM BE SPLICED AT LOCATIONS DETERMINED BY THE CEMERAL CONTRACTOR. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL BOOKINEST.
- C. LONGITUDINAL REINFORCING BARS IN FOOTINGS SHALL BE PLACED CONTINUOUS AT CORNERS AND INTERSECTIONS
- COMERS AND INTERSECTIONS.

  FOR EVERY VERTICAL, OR HORIZONTAL BAR DISCONTINUED BY AN OPENING, ONE BAR (MIN. OF 2 BARS) SHALL BE ADDED AT SIDE OF OPENING (HALF TO EACH SIDE TYPICAL).

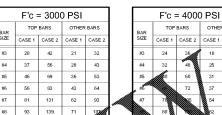
  PROVIDE DOWELS FROM FOUNDATIONS, THE SAME SIZE AND NUMBER AS THE VERTICAL WALL OR COLUMN REINFORCING, UNLESS NOTED OTHERWISE.

# **CONCRETE MIXTURES**

APPLICATION	EXPOSURE	F'c (AT 28-DAYS UNO)	MAXIMUM W/C	AIR CONTENT	NOMINAL MAXIMUM AGGREGATE SIZE (NOTE 4)	MAXIMUM CONCRETE WEIGHT
SITE WALL FOOTINGS	F0, S0, P0, C0	3000 PSI (4000 PSI @ DETENTION PONDS)	SEE NOTE 2	SEE NOTE 3	1"	150 PCF
SITE WALLS	F0, S0, P0, C0	4000 PSI	SEE NOTE 2	SEE NOTE 3	3/4"	150 PCF

- EXPOSURE CATEGORIES AND CLASSES FOR SULFATES, PERMEABILITY, AND CORROSION PROTECTION OF REINFORCEMENT IS CLASS ZERO UNLESS NOTED OTHERWISE.
- 2. WHERE NO MAXIMUM WATER CEMENT RATIO IS NOTED FOR DURABILITY, PROPORTIONING OF WATER/CEMENT RATIO SHALL BE AS REQUIRED FOR SPECIFIED CONCRETE MIX DESIGN. WATER/CEMENT RATIO IS NOT APPLICABLE FOR DURABILITY REQUIREMENTS IN LIGHTWEIGHT CONCRETE.

## CLASS B TENSION LAP SPLICE LENGTHS (ACI 318, SECTION 12.2.2 AND 12.15)



### NOTES

- 2. CASE 1 AND CASE 2 PEND ON T

	SPACING AND		NED AS FOLLO	
	ВЕДИМ	CASE	PLEAR SPACE G	
_	COLUMN	CASE 2	SPACE G < 2.0 B	
(	ALL OTHERS	CASE 1	CONCR PER ≥ 1.0 BAR DIA AND CLEAR SPACING ≥ 2.0 BAR DIA	
	. 1	CASE 2	CONCRETE CORR < 1.0 BAR DIA OR CLEAR SPACING < 2.0 BAR DIA	

- HORIZONTAL BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE PLACED BELOW THE COR SPLICE.
- CONCRETE, MULTIPLY TABULATED VALUES BY 1.3.

  CONCRETE, MULTIPLY TABULATED VALUES BY 1.3.
- SPLICE LENGTHS SHALL BE AS SHOWN IN THE TABLE ABOVE, UNLESS NOTED OTHERWISE
- SARS OF DIFFERENT SIZES ARE LAP SPLICED, THE LAP SPLICE LENGTH SHALL BE THE LARGER TENSION DEVELOPMENT LENGTH OF THE LARGER BAR AND THE TENSION LAP SPLICE LENGTH

## TENSION DEVELOPMENT LENGTHS (ACI 318, SECTION 12.2.2)

DEVELOPMENT LENGTH	1
05,500,050,000	I
CRITICAL SECTION (SEE DETAILS)	J
	1

	F'c =	= 3000	PSI	
BAR	TOP	BARS	OTHER	BARS
SIZE	CASE 1	CASE 2	CASE 1	CASE 2
#3	21	32	16	25
#4	28	43	22	33
#5	36	53	27	41
#6	43	64	33	49
#7	62	93	48	72
#8	71	107	55	82

	F'c =	= 4000	PSI	
BAR	TOP	BARS	OTHER	BARS
SIZE	CASE 1	CASE 2	CASE 1	CASE 2
#3	18	28	14	21
#4	25	37	19	28
#5	31	46	24	36
#6	37	55	28	43
#7	54	81	42	62
#8	62	92	47	71

### CAST-IN-PLACE CONCRETE **CLEAR COVER SCHEDULE**

	CONCRETE COVER
CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	3 IN
CONCRETE IN CONTACT WITH GROUND OR WEATHER:	
#6 THROUGH #18 BARS	2 IN
#5 BAR, W31 OR D31 WIRE, AND SMALLER	1 1/2 IN
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS:	
#14 AND #18 BARS	1 1/2 IN
#11 BAR AND SMALLER	3/4 IN
BEAMS, COLUMNS:	
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2 IN

APPLICATION	EXPOSURE	F'c (AT 28-DAYS UNO)	MAXIMUM W/C	AIR CONTENT	NOMINAL MAXIMUM AGGREGATE SIZE (NOTE 4)	MAXIMUM CONCRETE WEIGHT
SITE WALL FOOTINGS	F0, S0, P0, C0	3000 PSI (4000 PSI @ DETENTION PONDS)	SEE NOTE 2	SEE NOTE 3	1"	150 PCF
SITE WALLS	F0, S0, P0, C0	4000 PSI	SEE NOTE 2	SEE NOTE 3	3/4"	150 PCF

### NOTES:

- WEER OF ENTORMENTS NOT EQUIPED BY DESCRIPT BE CONTRACTOR, NOTACLER, AND SUPPLIER MAY CHOOSE TO NOLLIGE ARE INTRAMBENT TO MISCAULE PLACEMENT AND SUPPLIER MAY CHOOSE TO NOLLIGE ARE INTRAMBENT TO MISCAULE PLACEMENT AND SUPPLIER MAY CHOOSE FINISH AND ENTORMED HAS SHALL NOT EXCEED 3%, ARE INTRAMMENT IN LIGHT WEIGHT CONCRETE SLASS IS REQUIRED TO MEET FIRE RATING REQUIRMENTS. SLASS SHALL BE PROPERLY PRINSEED TO AVOID SUPPLIER MERCHANCING AS BUSTERONS OF DELIMINATION.

COARSE AGGREGATE SHALL BE ASTM C 33, GRADED. SELECT GRADING CLASS PER TYPE OF CONSTRUCTION OR LOCATION USED, AND IN	RELATION TO
SPECIFIC WEATHERING REGION. AGGREGATE SHALL BE FROM A SINGLE SOURCE. #67 GRADING SHALL BE USED FOR CONCRETE WITH 3/4	INCH MAXIMUM; #
57 GRADING SHALL BE USED FOR CONCRETE WITH 1 INCH MAXIMUM.	

LAP SPLICE

# **ABBREVIATIONS**

DRAWING ISSUE RECORD

AMERICAN CONCRETE INSTITUT KIPS (KILOPOUNDS) KIPS PER LINEAL FOOT ARCHITECTURAL EXPOSED STRUCTURAL STEEL ABOVE FINISHED FLOOR AMERICAN INSTITUTE OF STEEL CONSTRUCTION KIPS PER SQUARE FOOT LONG FACE HORIZONTAL LONG FACE VERTICAL AMERICAN IRON ANDSTEEL LONG LIVE LOAD NCHOR ROD CHITECT LOWABLE STRESS DESIGN AMERICAN SOCIETY OF TESTING AND MATERIALS AMERICAN WELDING SOCIETY

MINIMUM

NEAR SIDE

ON CENTER

PREFAB PSI PSF

QTY
RAP
RD
REF
REINF
REQD
REV
RTU
SCHED
SER

MISCELLANEOUS

METAL NOT IN CONTRACT

OUTSIDE DIAMETER

OUTSIDE DIAMETER
OPPOSITE HAND
OPENING
POWDER ACTUATED FASTENERS
PRE-ENGINEERED METAL BUILDIN
PREFORMED JOINT FILLER
PLATE
POUNDS PER LINEAL FOOT
PRESTRESSED PRECAST HOLLOW
CORE CONCRETE
BRELARBEATED.

NOT TO SCALE

PRE-FABRICATED POUNDS PER SQUARE INCH POUNDS PER SQUARE FOOT

REFERENCE REINFORCING

SQUARE FOOT

STANDARD STIFFENER STEEL SHORT WAY SYMMETRICAL TOP OF

SHEATHING

POST TENSIONED PRESSURE TREATED

QUANTITY RAMMED AGGREGATE PIER

REQUIRED
REVISION
ROOF TOP UNIT
SCHEDULE
STRUCTURAL ENGINEER
OF RECORD

SHEATHING
SIMILAR
SHORT LEG HORIZONTAL
SHORT LEG VERTICAL
SPACES
SPECIFICATION
STAINLESS STEEL
STANDARD

AWS B/ BD BETW BLDG BM BOT BP BRDG BRG C/C CFSF

CONNECTION CONTINUOUS CENTER DRILL & EPOXY DEEP

HEADED CONCRETE ANCHORS HEADER HIP GIRDER

HOLLOW STRUCTURAL SECTIO

INSULATION OR INSULATING INTERIOR JOIST JOINT

INSIDE DIAMETER INVERT ELEVATION

EXPANSION JOINT ELEVATION ENGINEER OR ENGINEERING EDGE OF SLAB

AISI

ALTN AR

EXPANSION EXTERIOR FACE OF FLOOR DRAIN FOUNDATION FINISH FLOOR

FIRE RETARDANT TIMBER FAR SIDE FOOTING

FIELD VERIFY

AUGE GAGE GENERAL CONTRACTOR GIRDER

F'c = 4000 PSI					
BAR	TOP BARS		OTHER BARS		
SIZE	CASE 1	CASE 2	CASE 1	CASE 2	
#3	18	28	14	21	
#4	25	37	19	28	
#5	31	46	24	36	
#6	37	55	28	43	
#7	54	81	42	62	
#8	62	92	47	71	



PES PROJECT NUMBER:0218161



DO NOT DUPLICATE WITHOUT PERMISSION

PRC SHL REPL

DATE JULY 1

(D) •

(1)

TOP & BOTTOM TONGUE & GROOVE TEMPORARY TRUSS GIRDER THICKENED or THICK THROUGH

UNLESS NOTED OTHERWISE VERTICAL