roje

6639

02/18/05

STRUCTURAL ABBREVIATIONS				GENERAL NOTES FOR REINFORCED CONCRETE  AND FOUNDATIONS	GENERAL NO
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	N.F. N.I.C.	NEAR FACE NOT IN CONTRACT	1. <u>STANDARD DETAILS</u> THE DETAILS SHOWN ON THE STANDARD DRAWINGS SHALL BE USED WHERE APPLICABLE,	1. <u>STANDARD DETAILS</u> THE DETAILS SHOWN ON T
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NO. N.T.S.	NUMBER NOT TO SCALE	UNLESS OTHERWISE NOTED OR DETAILED ON THE DESIGN DRAWINGS.	APPLICABLE, UNLESS NOTE
ARCH.	ARCHITECTURAL	N.W.	NORMAL WEIGHT	2. <u>CODES AND SPECIFICATIONS</u>	2. CODES AND SPECIFICATIONS
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	O.C.	ON CENTER	A. CONCRETE DESIGN, MATERIALS AND CONSTRUCTION SHALL CONFORM TO ACI STANDARD, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318—99.	A. A.I.S.C. SPECIFICATION STRUCTURAL STEEL FO
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	OPH. OPNG.	OPPOSITE HAND OPENING	B. STRUCTURAL DESIGN AND DESIGN LOADS SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL	B. A.I.S.C. CODE OF STAN
AWS	AMERICAN WELDING SOCIETY	OI NG.	OI LIVING	BUILDING CODE 2000 AND THE UNIFIED FACILITIES CRITERIA (UFC-1-200-01)	C. STRUCTURAL WELDING
BM.	BEAM	PL., R	PLATE	C. <u>DESIGN LOADS</u> 1. LIVE LOADS	3. <u>MATERIALS</u>
В., ВОТ.	ВОТТОМ	PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH	2. SEISMIC DATA	UNLESS OTHERWISE NOTED CONFORM TO THE FOLLOW
0.0	CENTED	D	DADILIC	SEISMIC ZONE 4 SEISMIC ZONE FACTOR 0.40 Na=1.0	A. STRUCTURAL STEEL W S
C.C. Q	CENTER CENTERLINE	REINF.	RADIUS REINFORCEMENT	$N_V = 1.2$	B. OTHER STRUCTURAL ST PLATES AND BARS————————————————————————————————————
C.I.P. CLR	CAST IN PLACE CLEARANCE	REQ. R.O.	REQUIREMENT ROUGH OPENING	3. ROCK ANCHORS  A. DESIGN LOAD: SEE SPECIFICATIONS FOR ADDITIONAL DESIGN REQUIREMENTS	D. HIGH STRENGTH BOLTS, E. UNFINISHED BOLTS AND
COL. CONC	COLUMN CONCRETE			TELESCOPE PIER FOOTING: 40 KIPS RING FOOTING: 20 KIPS.	F. WELDING ELECTRODES - G. PIPE —
CONN CONSTR. J.	CONNECTION CONSTRUCTION JOINT	SCHED. SECT.	SCHEDULE SECTION	B. USE GEOTECHNICAL REPORT FOR REFERENCE ONLY. DESIGN CRITERIA PROVIDED IN	4 THE EARDIGATION AND EREC
CONT.	CONTINUOUS	SH. SIM.	SHEET SIMILAR	SPECIFICATIONS.	4. THE FABRICATION AND EREC SPECIFICATIONS AND DRAWI
		S.O.G. SPEC.	SLAB ON GRADE SPECIFICATIONS	3. MATERIALS	
DET. DIA., Ø	DETAIL DIAMETER	SPEC. SQ. SQ. FT.	SQUARE SQUARE FOOT	UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, MATERIALS SHALL CONFORM TO	5. <u>PAINTING AND GALVANIZING</u> A. FOR DESCRIPTION OF F
DL DN	DEAD LOAD DOWN	SQ. FT. STA. STD.	STATION STANDARD	THE FOLLOWING SPECIFICATIONS:  A. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615, GRADE 60.	B. CONTACT SURFACES OF
DO DWG	DITTO DRAWING	STIFF. STIR.	STIFFENER STIRRUP	B. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. C. UNLESS OTHERWISE NOTED ON THE DRAWINGS, CONCRETE COMPRESSIVE STRENGTH	FIELD WELDED SHALL C. SURFACES WITHIN TWO
DWL	DOWEL	SIIIV.	3111(1(0)	AT 28 DAYS SHALL NOT BE LESS THAN THE FOLLOWING:  SLABS, FOOTINGS AND OTHER STRUCTURE CONCRETE ———————————————————————————————————	OTHER MATERIALS THAT OBJECTIONABLE FUMES
EA.	EACH	Т & В Т.О.С.	TOP AND BOTTOM TOP OF CONCRETE	SLABS ON GRADE — 4000 PSI LEAN CONCRETE OR BACKFILL — 2000 PSI	D. SEE SPECIFICATIONS FO
E.F. F.W	EACH FACE EACH WAY	T.S.D. T.O.F.	TOP OF STEEL DECK TOP OF FOOTING	D. ROCK ANCHORS — ASTM A722	E. GUARDRAILS AND GRATI
EL., ELEV. EQ.	ELEVATION EQUAL	T.O.SLAB.	TOP OF SLAB	E. ANCHOR BOLTS — ASTM A307 GRADE C NUTS — ASTM A563 GRADE A	
EX., EXIST. (E)	EXISTING	T.O.S. T.O.W.	TOP OF STEEL TOP OF WALL	WASHERS (PLAIN) — ANSI B18.22.1  F. MISCELLANEOUS EMBEDDED STEEL — ASTM A36	
EXP JT	EXPANSION JOINT	TYP.	TYPICAL		
FCO	FLOOR CLEANOUT	U.N.O.	UNLESS NOTED OTHERWISE	4. <u>CONSTRUCTION</u>	
F.D. F.F.	FLOOR DRAIN FAR FACE	V., VER.	VERTICAL	A. MINIMUM CONCRETE PROTECTION FOR REINFORCING STEEL IN CAST—IN—PLACE CONCRETE SHALL BE AT LEAST EQUAL TO THE BAR DIAMETER (EXCEPT FOR SLABS AND JOISTS),	
FIN. FL.	FINISH FLOOR	VAR. VIF	VARIABLE, VARIES VERIFY IN FIELD	BUT NOT LESS THAN THE FOLLOWING:  CONCRETE DEPOSITED AGAINST THE GROUND ————————————————————————————————————	
FDN. FT.	FOUNDATION FOOT, FEET	<b>V</b> II	VEIXII I IIV I IEEE	SURFACES EXPOSED TO WEATHER OR IN CONTACT WITH GROUND AFTER REMOVAL OF FORMS:  FOR BARS LARGER THAN #5 ———————————————————————————————————	
FTG.	FOOTING	W/ W.P.	WITH WORKING POINT	FOR #5 BARS OR SMALLER ———————————————————————————————————	
			Werking Femilia	SURFACES NOT EXPOSED TO WEATHER OR GROUND: SLABS AND WALLS — 3/4 IN.	
GR.	GRADE			SUPPORT PEDESTALS 1 1/2 IN.  B. LAP SPLICES OF REINFORCING BARS SHALL BE AS SHOWN IN THE TABLE ON DRAWING	
				C. LOCATION OF CONSTRUCTION AND OTHER JOINTS SHALL BE AS SHOWN ON THE DRAWINGS.	
H., HOR. H.S.B.	HORIZONTAL HIGH STRENGTH BOLT			ADDITIONAL JOINTS AND/OR CHANGES IN JOINT LOCATIONS SHALL BE AS APPROVED BY UNIVERSITY REPRESENTATIVE.  D. CONSTRUCTION JOINTS SHALL BE PROVIDED WITH KEYS AS PER DRAWING.	
				E. OUTSIDE CONCRETE WALKWAYS AND SLABS SHALL HAVE NON-SLIP COARSE BROOM FINISH. TOP OF	
IN., "	INCHES			PEDESTALS AND EQUIPMENT PADS TO BE GROUTED SHALL BE BRUSHED TO ROUGHEN THE SURFACE.  F. CORNERS OF ALL NEW CONCRETE SURFACES SHALL BE CHAMFERED, SIZE 1/2 "x 1/2" MIN. (U.N.O.)	
				G. ANCHOR BOLT PROJECTIONS SHOWN ON THE DRAWINGS SHALL BE MEASURED FROM THE	
JT. KSF	JOINT KIPS PER SQUARE FOOT			FACE OF ROUGH CONCRETE. ALL EQUIPMENT ANCHOR BOLT DIMENSIONS AND LOCATIONS SHALL BE VERIFIED BY CONTRACTOR FROM CERTIFIED VENDOR DRAWINGS PRIOR TO INSTALLATION.	
LL	LIVE LOAD			5. <u>FOUNDATIONS</u>	
L.L.H. L.L.V.	LONG LEG HORIZONTAL LONG LEG VERTICAL			A. ALLOWABLE SOIL BEARING PRESSURES EXCAVATION & BACKFILL FOR FOUNDATIONS & STRUCTURES SHALL BE AS PER GEOTECHNICAL REPORT, PREPARED BY GEOMATRIX CONSULTANTS.	
LONGIT.	LONGITUDINAL			B. ALL EXCAVATIONS SHALL BE CARRIED OUT UNDER DRY CONDITIONS, AND PROVISIONS SHALL BE MADE TO PREVENT THE BOTTOM OF ALL EXCAVATIONS FROM FLOODING AT ALL TIMES.	
				C. BACKFILL MATERIAL, PLACING AND COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.	
MANUF. MAX.	MANUFACTURER MAXIMUM			D. SEE THE GEOTECHNICAL REPORT AND THE CONTRACT SPECIFICATIONS FOR SPECIAL REQUIREMENTS FOR	
MECH. MIN.	MECHANICAL MINIMUM			EXCAVATION/BACKFILL AROUND EXISTING CONCRETE FOOTINGS.	
MISC.	MISCELLANEOUS				

GENERAL NOTES FOR STRUCTURAL STEEL

ON THE STANDARD DRAWINGS SHALL BE USED WHERE IOTED OTHERWISE OR DETAILED ON THE DESIGN DRAWINGS.

<u> SNC</u>

- ON FOR THE DESIGN, FABRICATION AND ERECTION OF FOR BUILDINGS.
- STANDARD PRACTICE.
- NG CODE (AWS), D1.1
- OTED ON THE DESIGN DRAWINGS, MATERIALS SHALL LOWING SPECIFICATIONS:
- W SHAPES ASTM A992 FY (MIN)=50 ksi STEEL SHAPES, ---- ASTM A36 TUBING — ASTM A500 GR. B; FY=46 ksi
- LTS, NUTS AND WASHERS ASTM A325 AND SHOULDER BOLTS — ASTM A307 GR. A S — AWS A5.1 SERIES E70 — ASTM A53 GR. B OR A500 GR. B
- ERECTION OF ALL STEELWORK SHALL CONFORM TO THE CONTRACT RAWINGS.
- OF PAINT SYSTEM(S) TO BE USED, SEE CONTRACT SPECIFICATIONS.
- OF STEEL TO BE EMBEDDED IN CONCRETE, GROUTED, OR ALL NOT BE PAINTED OR GALVANIZED.
- TWO INCHES OF FIELD WELDS SHALL BE FREE OF PAINT AND THAT WOULD PREVENT PROPER WELDING OR PRODUCE IMES DURING WELDING.
- S FOR TOUCH-UP PAINT.
- RATING SHALL BE HOT-DIPPED GALVANIZED ACCORDING TO ASTM 123.

