

GENERAL ABBREVIATIONS

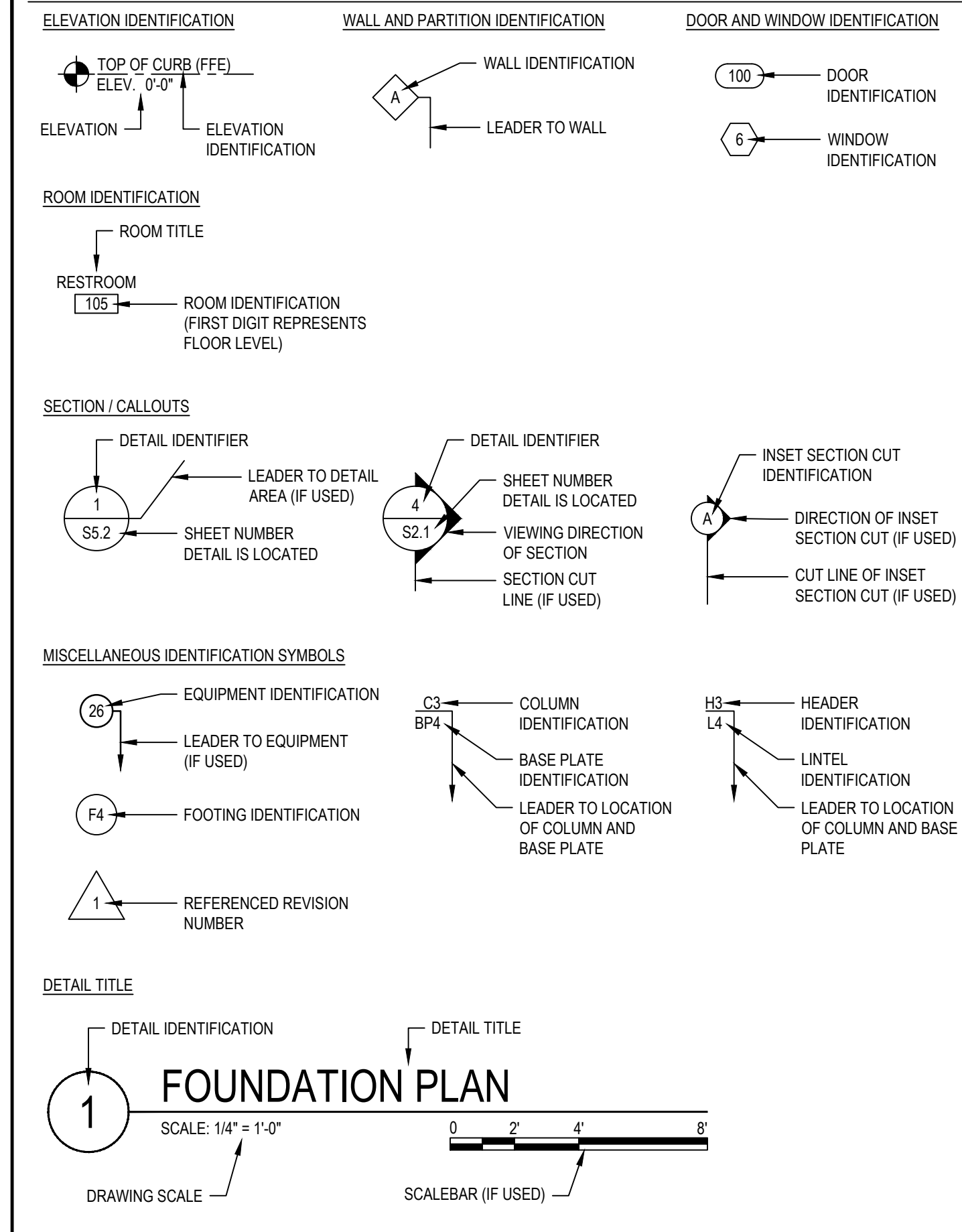
A/C	AIR CONDITIONING	LRFD	LOAD AND RESISTANCE FACTOR DESIGN
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	LVL	LAMINATED VENEER LUMBER
AB	ANCHOR BOLT	MAX	MAXIMUM
ACI	AMERICAN CONCRETE INSTITUTE	MECH	MECHANICAL
AFF	ABOVE FINISHED FLOOR	MEZZ	MEZZANINE
AFG	ABOVE FINISHED GRADE	MFR	MANUFACTURE OR MANUFACTURER
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MIN	MINIMUM
AISI	AMERICAN IRON AND STEEL INSTITUTE	MISC	MISCELLANEOUS
ALT	ALTERNATE	MPH	MILES PER HOUR
ARCH	ARCHITECT OR ARCHITECTURAL	MTL	METAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	MUL	MULLION
ASD	ALLOWABLE STRESS DESIGN	N/A	NOT APPLICABLE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NCA	NATIONAL CONCRETE MASONRY ASSOCIATION
AWC	AMERICAN WOOD COUNCIL	NDS	NATIONAL DESIGN STANDARD
BLDG	BUILDING	NO	NUMBER
BM	BEAM	NOM	NOMINAL
BO	BOTTOM OF	NS	NEAR SIDE
BOF	BOTTOM OF FOOTING	NTS	NOT TO SCALE
BOW	BOTTOM OF WALL	OC	ON-CENTER
CCA	CHROMATED COPPER ARSENATE	OD	OUTSIDE DIAMETER
CP	CAST-IN-PLACE	OH	OVER HEAD
CJ	CONTROL JOINT OR CONSTRUCTION JOINT	OSB	ORIENTED STRAND BOARD
CL	CENTER LINE	PAF	POWER-ACTUATED FASTENER
CLR	CLEAR	PL	PLATE
CLT	CROSS-LAMINATED TIMBER	PLF	POUNDS PER LINEAR FOOT
CMU	CONCRETE MASONRY UNIT	PLM	PLUMBING
CO	CLEAN OUT	PLYWD	PLYWOOD
COL	COLUMN	PROJ	PROJECT
CONC	CONCRETE	PROP	PROPERTY
CONT	CONTINUOUS	PSF	POUNDS PER SQUARE FOOT
CRSI	CONCRETE REINFORCING STEEL INSTITUTE	PSI	POUNDS PER SQUARE INCH
CT	CERAMIC TILE	PT	PRESSURE PRESERVATIVE TREATED
CY	CUBIC YARD	QT	QUARRY TILE
D	NAIL (PENNY) SIZE OR DIAMETER	QTY	QUANTITY
DBL	DOUBLE	R(AD)	RADIUS
DEPT	DEPARTMENT	RD	ROOF DRAIN
DF	DOUGLAS FIR-LARCH	REF	REFERENCE
DIA	DIAMETER	REIN	REINFORCED OR REINFORCEMENT REQUIRED
DL	DEAD LOAD	REV	REVISION OR REVISED
DR	DOOR	RM	ROOM
DS	DOWNSPOUT	RO	ROUGH OPENING
DWG	DRAWING	ROW	RIGHT OF WAY
EA	EACH	SCH	SCHEDULE
EJ	EXPANSION JOINT	SEC	SECOND(S)
EL	ELEVATION	SECT	SECTION
ELEC	ELECTRICAL	SF	SQUARE FOOT
ELEV	ELEVATION	SHT	SHEET
EOR	ENGINEER OF RECORD	SL	SNOW LOAD
EQ	EQUAL	SP	SOUTHERN PINE
EW	EACH WAY	SPEC	SPECIFICATION
EXIST	EXISTING	SPF	SPRUCE-PINE-FIR (SOUTH)
FA	FIRE ALARM	SPT	STANDARD PENETRATION TEST
FD	FLOOR DRAIN	SQ	SQUARE
FE	FIRE EXTINGUISHER	SS	STAINLESS STEEL
FFE	FINISHED FLOOR ELEVATION	SST	SIMPSON STRONG-TIE STANDARD
FIN	FINISH	STD	STANDARD
FLR	FLOOR	STR	STRUCTURE OR STRUCTURAL
FLN	FLOOR FINISH	T&G	TONGUE AND GROOVE
FND	FOUNDATION	THRU	THROUGH
FS	FAR SIDE	TMS	THE MASONRY SOCIETY
FTG	FOOTING	TO	TOP OF
GA	GAUGE	TOB	TOP OF BEAM
GAC	GALVANIZED AIRCRAFT CABLE	TOC	TOP OF CONCRETE
GALV	GALVANIZED	TOS	TOP OF STEEL
GLULAM	GLUED LAMINATED TIMBER	TOW	TOP OF WALL
GR	GRADE	TYP	TYPICAL
GYP	GYPSONUM	UNO	UNLESS NOTED OTHERWISE
HDG	HOT DIPPED GALVANIZED	VB	VAPOR BARRIER
HR	HOUR	VF	VERIFY IN FIELD
HT	HEIGHT	W	WITH
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	WID	WASHER AND DRYER
IBC	INTERNATIONAL BUILDING CODE	W/O	WITHOUT
ICC	INTERNATIONAL CODE COUNCIL	WC	WATER CLOSET
ID	INSIDE DIAMETER	WD	WOOD
IEEE	INTERNATIONAL ELECTRICAL INCH	WH	WATER HEATER
IN	LOCALLY ON SITE OR IN PLACE	WL	WIND LOAD
INT	INTERIOR	WP	WORK POINT
INT	INVERT	WT	WEIGHT
JNT	JOINT	YD	YARD
JST	JOIST	#	NUMBER
KSF	KIPS PER FOOT	%	PERCENT(AGE)
L	LENGTH OR SPAN	&	AND
LAM	LAMINATE	@	AT
LAV	LAVATORY	'	FEET OR MINUTE
LB(S)	POUND(S)	"	INCH OR SECONDS
LL	LIVE LOAD	°	ANGLE OR DEGREES
LLR	LONG LEG HORIZONTAL	±	PLUS OR MINUS
LLV	ROOF LIVE LOAD	∅	DIAMETER
LLV	LONG LEG VERTICAL	∅	ANGLE
		℄	CENTERLINE

NOTE: LETTERS FOUND IN PARENTHESIS () BEFORE OR AFTER THE ABBREVIATION MAY BE ADDED TO THE ORIGINAL ABBREVIATION ON THE ACTUAL PLANS.

MATERIAL DESIGNATIONS

	ALUMINIUM		COOLER / FREEZER WALL PANEL
	CLAY / BRICK MASONRY		GROUT OR SAND
	COMPACTED CRUSHED STONE / GRAVEL		HOT-ROLLED STEEL
	COMPACTED SOIL / FILL		PLYWOOD OR OSB
	CONCRETE		RIGID INSULATION
	CONCRETE MASONRY		UNDISTURBED SOIL

IDENTIFICATION AND SYMBOLS LEGEND



CONCRETE REINFORCEMENT HOOK GEOMETRY REQUIREMENTS

STANDARD ACI HOOK GEOMETRY			
TYPE OF HOOK	BAR SIZE	MINIMUM INSIDE BEND DIAMETER	STRAIGHT EXTENSION, l_{ext}
90° HOOK	NO. 3 THROUGH NO. 8	$6 \times d_b$	$12 \times d_b$
	NO. 9 THROUGH NO. 11	$8 \times d_b$	
	NO. 14 THROUGH NO. 18	$10 \times d_b$	
180° HOOK	NO. 3 THROUGH NO. 8	$6 \times d_b$	GREATER OF $4 \times d_b$ AND 2.5-INCH
	NO. 9 THROUGH NO. 11	$8 \times d_b$	
	NO. 14 THROUGH NO. 18	$10 \times d_b$	

STANDARD 90-DEGREE HOOK

STANDARD 180-DEGREE HOOK

STANDARD ACI HOOK GEOMETRY FOR STIRRUPS, TIES, AND HOOPS			
TYPE OF HOOK	BAR SIZE	MINIMUM INSIDE BEND DIAMETER	STRAIGHT EXTENSION, l_{ext}
90° HOOK	NO. 3 THROUGH NO. 5	$4 \times d_b$	$12 \times d_b$
	NO. 6 THROUGH NO. 8	$6 \times d_b$	
135° HOOK	NO. 3 THROUGH NO. 5	$4 \times d_b$	GREATER OF $6 \times d_b$ AND 3.0-INCH
	NO. 6 THROUGH NO. 8	$6 \times d_b$	
180° HOOK	NO. 3 THROUGH NO. 5	$4 \times d_b$	GREATER OF $4 \times d_b$ AND 2.5-INCH
	NO. 6 THROUGH NO. 8	$6 \times d_b$	

STANDARD 135-DEGREE HOOK (STIRRUPS, TIES, AND HOOPS)

NOTES:
 1. DIAMETER OF MINIMUM BEND IS MEASURED FROM THE INSIDE FACE OF THE BAR.
 2. STANDARD HOOK GEOMETRY FOR BARS USED AS STIRRUPS, TIES, AND HOOPS SHALL UTILIZE TABLE BELOW.

CONCRETE REINFORCEMENT LAP REQUIREMENTS

CONCRETE REINFORCEMENT LAP SCHEDULE ($f_c = 3,000$ PSI)			CONCRETE REINFORCEMENT LAP SCHEDULE ($f_c = 4,000$ PSI)		
BAR SIZE	LAP LENGTH		BAR SIZE	LAP LENGTH	
	TOP REINF.	OTHER		TOP REINF.	OTHER
NO. 3	28 IN	22 IN	NO. 3	24 IN	19 IN
NO. 4	37 IN	29 IN	NO. 4	32 IN	25 IN
NO. 5	47 IN	36 IN	NO. 5	40 IN	31 IN
NO. 6	56 IN	43 IN	NO. 6	48 IN	37 IN
NO. 7	81 IN	63 IN	NO. 7	70 IN	54 IN
NO. 8	93 IN	72 IN	NO. 8	80 IN	62 IN
NO. 9	105 IN	81 IN	NO. 9	91 IN	70 IN
NO. 10	118 IN	91 IN	NO. 10	102 IN	79 IN

STANDARD LAP SPLICE

NOTES:
 1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCED BARS.
 2. TABULATED VALUES ARE BASED ON CLASS B LAP SPLICES. CLASS A LAP SPLICES SHALL NOT BE USED WITHOUT WRITTEN APPROVAL FROM ENGINEER OF RECORD.
 3. TOP REINFORCEMENT VALUES ARE FOR HORIZONTAL BARS WITH MORE THAN 12-INCHES OF FRESH CONCRETE CAST BELOW THE BAR.
 4. LAP SPLICES FOR EPOXY-COATED BARS SHALL UTILIZE THE TABULATED LAP SPLICE LENGTH TIMES A FACTOR OF 1.50 (I.E., 1.50 X LAP LENGTH).
 5. LAP SPLICES FOR GRADE 75 REINFORCING BARS SHALL UTILIZE THE TABULATED LAP SPLICE LENGTH TIMES A FACTOR OF 1.25 (I.E., 1.25 X LAP LENGTH).
 6. WHERE SPLICED REINFORCING BARS VARY IN SIZE, THE SPLICE LENGTH OF THE LARGER REINFORCING BAR SHALL CONTROL.
 7. LAPPED BARS SHALL BE FASTENED TOGETHER USING WIRE TIES.

STRUCTURAL NOTES

- A. GENERAL NOTES**
- ALL WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, LATEST REVISION OR AS SPECIFIED IN THE DESIGN REFERENCES, AS WELL AS ALL LOCAL AND FEDERAL REQUIREMENTS.
 - STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH THE RELEVANT CIVIL, ARCHITECTURAL, PRE-ENGINEERED METAL BUILDING, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE DIMENSIONAL REQUIREMENTS OF THE STRUCTURAL DRAWINGS AND ADVISING THE ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE RELEVANT CIVIL, ARCHITECTURAL, PRE-ENGINEERED METAL BUILDING, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS PRIOR TO COMMENCING CONSTRUCTION.
 - NO CHANGE IN SIZE, MATERIAL, OR PLACEMENT OF ANY STRUCTURAL MEMBER OR FOUNDATION ELEMENT SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.
 - STRUCTURAL MEMBERS SHALL NOT BE NOTCHED, CUT, OR OTHERWISE REDUCED IN STRENGTH WITH WRITTEN APPROVAL FROM THE ENGINEER.
 - THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE STRUCTURE AT THE TIME THE LOADS ARE IMPOSED.
 - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONAL REQUIREMENTS PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO INITIATING ANY NEW CONSTRUCTION WORK.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO INFORM THE ENGINEER OF ANY DIMENSIONAL DISCREPANCIES BETWEEN FIELD CONDITIONS AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION.
 - THESE STRUCTURAL DRAWINGS DO NOT CONTAIN THE NECESSARY REQUIREMENTS FOR SAFETY DURING CONSTRUCTION. BRACE ALL STRUCTURAL COMPONENTS DURING CONSTRUCTION TO PREVENT DAMAGE FROM WIND AND WATER AND FROM CONSTRUCTION LOADS UNTIL ALL SUPPORTING STRUCTURES ARE IN PLACE.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE ENGINEER OF ANY UNSAFE ITEMS OR CODE VIOLATIONS (FEDERAL, STATE, AND LOCAL) BEFORE COMMENCING CONSTRUCTION.
 - DO NOT SCALE THESE DRAWINGS; USE DIMENSIONS PROVIDED.
- B. FOUNDATIONS**
- MAXIMUM ALLOWABLE SOIL PRESSURE SHALL BE 2,000 PSF (PRESUMPTIVE). ALLOWABLE BEARING PRESSURE SHALL BE VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER BEFORE FOUNDATION ELEMENTS ARE INSTALLED.
 - CONCRETE SLAB DESIGN IS BASED ON A MODULUS OF SUBGRADE REACTION OF 100 POUNDS PER CUBIC INCH (PCI). SUBGRADE MODULUS REACTION VALUE SHALL BE VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER BEFORE FOUNDATION ELEMENTS ARE INSTALLED.
 - FOOTINGS SHALL BE PLACED THE SAME DAY THAT EXCAVATION IS PERFORMED. IF THIS IS NOT FEASIBLE, FOOTINGS SHALL BE ADEQUATELY PROTECTED AGAINST DETRIMENTAL CHANGES IN SUPPORTING SOIL CONDITIONS INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION EQUIPMENT DISTURBANCES, RAIN, OR FREEZING.
 - ALL FILL SHALL BE SELECT MATERIAL FREE FROM ROOTS, TRASH, WOOD SCRAPS, OR OTHER EXTRANEOUS MATERIALS. PLACE FILL IN LIFTS NOT EXCEEDING 8-INCHES AND MECHANICALLY COMPACT EACH EXCEEDING LIFT TO 95% DENSITY AT OPTIMUM MOISTURE CONTENT AS MEASURED BY ASTM D698, LATEST EDITION.
 - FILL WHICH WILL BE STRESSED BY FOUNDATION LOADS SHALL BE APPROVED GRANULAR MATERIAL COMPACTED TO A DRY DENSITY OF 98% AS MEASURED BY ASTM D698, LATEST EDITION.
 - LARGE AREAS OF FILL SHALL REQUIRE FIELD DENSITY TESTS TO BE PERFORMED FOR EVERY 3,000 SQUARE FEET OF BUILDING AREA, AND FOR EACH LIFT TO ENSURE PROPER COMPACTION IS BEING ACHIEVED.
 - ALL FOUNDATION ELEMENTS SHALL HAVE A MINIMUM EMBEDMENT OF 12 INCHES BELOW GRADE PER LOCAL JURISDICTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES BEFORE PROCEEDING WITH EXCAVATION.
 - ANY CHANGES BY THE CONTRACTOR WHICH MAY AFFECT THE LOCATION OR REACTIONS OF A FOUNDATION ELEMENT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY FOR REVIEW AND POSSIBLE REDESIGN.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LAYOUT OF THE FOUNDATIONS AND SHALL COORDINATE THE LOCATIONS OF ALL THE FOOTINGS, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS WITH THE STRUCTURAL DRAWINGS.
- C. CONCRETE**
- CONCRETE WORK SHALL CONFORM TO ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AND ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE, LATEST EDITIONS, INCLUDING ALL SUPPLEMENTS AND ADDENDUMS.
 - CONCRETE INSTALLED IN HOT WEATHER CONDITIONS SHALL CONFORM TO ACI 305R, GUIDE TO HOT WEATHER CONCRETING, LATEST EDITION.
 - CONCRETE INSTALLED IN COLD WEATHER CONDITIONS SHALL CONFORM TO ACI 306R, GUIDE TO COLD WEATHER CONCRETING, LATEST EDITION.
 - FORMWORK FOR CONCRETE SHALL CONFORM TO ACI 347R, GUIDE TO FORMWORK FOR CONCRETE, LATEST EDITION.
 - CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED.
 - FOOTINGS
 - CONCRETE FOR FOOTINGS SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, NORMAL WEIGHT.
 - FOOTINGS HAVE BEEN DESIGNED INDEPENDENT OF EXISTING FLOOR CONDITIONS OR EXISTING ADJACENT FOUNDATION ELEMENTS, UNLESS NOTED OTHERWISE.
 - SLAB-ON-GROUND
 - CONCRETE FOR SLABS SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, NORMAL WEIGHT.
 - ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY EXISTING SLAB OR OTHER FLOOR MATERIALS.
 - SLABS-ON-GROUND HAVE BEEN DESIGNED BASED ON ACI 360R-10, GUIDE TO DESIGN OF SLABS-ON-GROUND.
 - SLAB-ON-GROUND CONCRETE THICKNESS AND REINFORCEMENT SHALL BE AS SHOWN ON PLAN INSTALLED OVER A 6 MIL., CLASS 1, NON-PERMEABLE VAPOR BARRIER OVER 4-INCH #57 STONE BASE, UNLESS NOTED OTHERWISE. VAPOR BARRIER MAY BE OMITTED AT THE DISCRETION OF THE CONTRACTOR AND OWNER IF SLAB IS FULLY EXPOSED TO THE WEATHER.
 - PROVIDE CONSTRUCTION OR CONTROL JOINTS IN SLAB-ON-GROUND AT OFFSETS, COLUMN GRIDS, CHANGES IN DIRECTION, AND AT 20-FOOT MAXIMUM, OR AS SHOWN ON PLANS.
 - SAW CUT JOINTS SOON AFTER CONCRETE HAS HARDENED JUST ENOUGH TO PREVENT TRAVELING OUT OF THE AGGREGATE AND DAMAGE TO EDGE, BUT NOT LATER THAN 24-HOURS AFTER THE CONCRETE WAS PLACED. SAW CUTTING MAY BE DELAYED AS NECESSARY AT CONSTRUCTION JOINTS WHERE BOND IS BROKEN BETWEEN TWO POURS.

DESIGN LOADS AND STANDARDS

- A. THE DESIGN CRITERIA PROVIDED IS BASED ON THE MINIMUM DESIGN REQUIREMENTS FOR A SITE SPECIFIC STRUCTURE WITH THE FOLLOWING LISTED LOADING CONSTRAINTS AND ASSUMED SITE CONDITIONS.**
- B. DESIGN REFERENCES**
- | | |
|-------------|---|
| 2018 IBC | 2018 INTERNATIONAL BUILDING CODE WITH 2018 STATE AMENDMENTS |
| ACI 318-14 | AMERICAN CONCRETE INSTITUTE: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2014 |
| ACI 360R-10 | AMERICAN CONCRETE INSTITUTE: GUIDE TO DESIGN OF SLABS-ON-GROUND, 2010 |
| AISC 360-10 | AMERICAN INSTITUTE OF STEEL CONSTRUCTION: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 2010 |
| ASCE 7-16 | AMERICAN SOCIETY OF CIVIL ENGINEERS: MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES, 2016 |
| AWS D.1.1 | AMERICAN WELDING SOCIETY: STRUCTURAL WELDING - STEEL |
- C. SITE CONDITIONS**
- RISK CATEGORY III
 - SURFACE ROUGHNESS CATEGORY C
 - EXPOSURE OF ROOF PARTIALLY EXPOSED
- E. DEAD LOADING**
- | | |
|--|-----------|
| 50 KVA TRANSFORMER DEAD LOAD, DL (ERMCO)..... | 883 LBS |
| 100 KVA TRANSFORMER DEAD LOAD, DL (ERMCO)..... | 1,160 LBS |
| 167 KVA TRANSFORMER DEAD LOAD, DL (ERMCO)..... | 1,675 LBS |
| 25 KV THREE PHASE CABINET ASSUMED DEAD LOAD, DL..... | 500 LBS |
| LID DEAD LOAD, DL (10-INCH SLAB)..... | 125.0 PSF |
| FOUNDATION SLAB DEAD LOAD, DL (12-INCH SLAB)..... | 150.0 PSF |
- F. LIVE LOADING**
- | | |
|--------------------------|-----------|
| FLOOR LIVE LOAD, LL..... | 100.0 PSF |
|--------------------------|-----------|
- G. SNOW LOADING**
- IMPORTANCE FACTOR, I_s 1.10
 - GROUND SNOW LOAD, p_g 5.00 PSF
 - EXPOSURE FACTOR, C_e 1.00
 - THERMAL FACTOR, C_t 1.20
 - ROOF SLOPE FACTOR, C_d 1.00
 - FLAT ROOF SNOW LOAD, p_f 4.62 PSF
 - MINIMUM SNOW LOAD FOR LOW SLOPE ROOFS, p_m 5.00 PSF
 - SLOPED ROOF SNOW LOADS, p_s 4.62 PSF
 - RAIN-ON-SNOW SURCHARGE N/A
- H. WIND LOADING**
- BASIC WIND SPEED (3-SECOND GUST), V 156 MPH
 - TOPOGRAPHIC FACTOR, K_z 1.00
 - WIND DIRECTIONALITY FACTOR, K_d 0.90
 - WIND EXPOSURE CATEGORY D
- I. SEISMIC LOADING**
- IMPORTANCE FACTOR, I_e 1.25
 - SEISMIC DESIGN CATEGORY D
 - SPECTRAL RESPONSE ACCELERATION
 - SHORT PERIOD (0.2-SEC) $S_{ds} = 0.477$ $S_{d5} = 0.451$
 - 1.0-SECOND PERIOD $S_{d1} = 0.158$ $S_{d2} = 0.240$
 - SITE CLASSIFICATION D
- DATA SOURCE: FIELD TEST PRESUMPTIVE HISTORICAL DATA

THESE DRAWINGS ARE SUBJECT TO CHANGE AT THE DISCRETION OF THE ENGINEER PENDING COMPLETION OF GEOTECHNICAL REPORT FINDINGS, OWNER REVISIONS, AND/OR DESIGN MODIFICATIONS MADE BY ENGINEER.

PRELIMINARY NOT TO BE USED FOR CONSTRUCTION	REVISION 11/30/22																		
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CITY OF GEORGETOWN
GEORGETOWN, SC

FRONT ST ELECTRIC UPGRADE - PH. 2
GENERAL STRUCTURAL NOTES

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