GENERAL NOTES

DESIGN CRITERIA:

1. CODES AND STANDARDS:
   2015 IBC

2. DESIGN GRAVITY LOADS:

   DEAD LOADS:

   FLOOR:
   DEAD LOAD: 20 PSF

   ROOF:
   DEAD LOAD: 20 PSF

   LIVE LOADS:

   FLOOR:
   LIVE LOAD: 50 PSF (MEZZANINE)

   ROOF:
   MINIMUM LIVE LOAD: 20 P.S.F. PLUS ALLOWANCE FOR DRIFTED SNOW
   GROUND SNOW LOAD: Pg = 20 P.S.F.
   SNOW EXPOSURE FACTOR: Ce = 0.9
   SNOW LOAD IMPORTANCE FACTOR: 1.0
   SNOW THERMAL FACTOR: Ct = 1.0

3. WIND LOAD (MAIN BUILDING):
   BASIC WIND SPEED: 115 M.P.H.
   WIND LOAD IMPORTANCE FACTOR: I = 1.0
   WIND LOAD IMPORTANCE FACTOR FOR WALLS
   WIND EXPOSURE: C
   BUILDING CATEGORY: ENCLOSED
   WIND EXPOSURES:
   COMPONENTS AND CLADDING WIND PRESSURES(PSF):
   ZONE 1: +10, -13.3
   ZONE 2: +10, -23.2
   ZONE 3: +10, -34.3
   ZONE 4: +14.5, -15.8
   ZONE 5: +14.5, -19.5
   INTERNAL PRESSURE COEFFICIENT: ± 0.18

   WIND LOAD (HARDENED INTERNAL STRUCTURE):
   BASIC WIND SPEED: 250 M.P.H.
   WIND LOAD IMPORTANCE FACTOR: I = 1.0
   WIND LOAD IMPORTANCE FACTOR FOR WALLS
   WIND EXPOSURE: C
   BUILDING CATEGORY: ENCLOSED
   WIND EXPOSURES:
   COMPONENTS AND CLADDING WIND PRESSURES(PSF): A < 50 SF
   ZONE 1: +126, -230
   ZONE 2: +160, -350
   ZONE 3: +160, -350
   ZONE 4: +215, -230
   ZONE 5: +215, -230
   INTERNAL PRESSURE COEFFICIENT: ± 0.55
   IMPACT LOAD: 15lb 2x4 LUMBER @ 100 MPH

   1

4. SEISMIC LOAD (MAIN BUILDING):
   SPECTRAL ACCELERATIONS: Ss = 0.188
   SPECTRAL ACCELERATIONS: S1 = 0.103
   DESIGN SPECTRAL RESPONSE ACCELERATION: Sds = 0.244
   DESIGN SPECTRAL RESPONSE ACCELERATION: Sd1 = 0.156
   OCCUPANCY CATEGORY: II
   SEISMIC DESIGN CATEGORY: B
   SITE CLASS: C
   SITE COEFFICIENTS: Fa = 1.3 Fv =1.5
   IMPORTANCE FACTOR: Ie = 1.0

   SEISMIC LOAD (HARDENED INTERNAL STRUCTURE)::
   SPECTRAL ACCELERATIONS: Ss = 0.188
   SPECTRAL ACCELERATIONS: S1 = 0.103
   DESIGN SPECTRAL RESPONSE ACCELERATION: Sds = 0.244
   DESIGN SPECTRAL RESPONSE ACCELERATION: Sd1 = 0.156
   OCCUPANCY CATEGORY: IV
   SEISMIC DESIGN CATEGORY: C
   SITE CLASS: C
   SITE COEFFICIENTS: Fa = 1.3 Fv =1.5
   IMPORTANCE FACTOR: Ie = 1.0

5. COMPONENT IMPORTANCE FACTOR:
   Ip = 1.5

6. BASIC STRUCTURAL SYSTEMS:
   A.) FRAME SYSTEM.

7. SEISMIC - RESISTING SYSTEM:
   A.) ORDINARY STEEL MOMENT FRAMES FOR FORCES PARALLEL TO MOMENT FRAMES.
   R = 4
   Cd = 4
   B.) FOR BUILDINGS BRACED BY CONCRETE SHEAR WALLS, MASONRY SHEAR WALLS OR BRACED FRAMES (FORCES PERPENDICULAR TO MOMENT FRAMES)
   1.) ORDINARY REINFORCED CONCRETE SHEAR WALLS
   R = 5
   Cd = 4 1/2
   2.) INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
   R = 4
   Cd = 2 1/2
   3.) ORDINARY STEEL CONCENTRICALLY BRACED FRAME
   R = 5
   Cd = 4 1/2
   4.) ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

FOUNDATIONS:

DESIGN:

1. THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE ON THE GEOTECHNICAL EXPLORATION REPORT BY: GREDELL ENGINEERING RESOURCES INC. DATED JULY, 2018.

2. BACKFILLING:

   A. DO NOT BACKFILL PIT WALLS UNTIL ADEQUATE TEMPORARY BRACING IS INSTALLED.

   B. BACKFILL UNDER FOUNDATION WITH CONCRETE OR AS APPROVED BY SOILS ENGINEER.

3. SOIL MODULUS OF SUBGRADE REACTION (Ks) = 125 POUNDS PER CUBIC INCH. THE SUBGRADE MUST BE IMPROVED PER ONE OF THE OPTIONS OUTLINED IN THE GEOTECHNICAL REPORT. 1

4. SOIL CONTAINS LOCAL AREAS OF HIGH PLASTIC CLAY DEBRIS & ROCK THAT REQUIRES EXCAVATION & REMEDIATION. REFER TO GEOTECHNICAL REPORT & SPECIFICATIONS FOR BID QUANTITIES. 1

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SPREAD FOOTINGS:

1. FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING A NET BEARING PRESSURE UNDER FULL SERVICE LIVE AND DEAD LOAD AS FOLLOWS:
   2500 PSF FOR CONTINUOUS STRIP FOOTINGS
   2500 PSF FOR COLUMN SPREAD FOOTINGS
   ALLOWABLE BEARING STRESSES MAY BE INCREASED BY 1/3 WHEN DESIGN LOADS INCLUDE SEISMIC OR WIND LOADINGS.
2. TOP OF FOOTING (TOF) ELEVATIONS ARE SHOWN ON THE PLANS.
3. FOOTING MAY BE EARTH FORMED.
4. ALL BEARING MATERIAL SHALL BE INSPECTED BY A QUALIFIED TECHNICIAN PRIOR TO CONCRETE PLACEMENT. A QUALIFIED TECHNICIAN SHALL BE THE SOLE JUDGE AS TO THE SUITABILITY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.
5. BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 2'-6" BELOW FINAL GRADE.
6. FROST DEPTH = 2'-6"
7. SLIDING RESISTANCE (VALUES INCLUDE A 1.50 SAFETY FACTOR)
8. PASSIVE EQUIVALENT FLUID PRESSURE = 175 PCF.
9. COEFFICIENT OF FRICTION = 0.25
10. "MANUAL OF STANDARD PRACTICE". DO NOT STICK DOWELS INTO WET CONCRETE. TIE IN PLACE PRIOR TO START OF CONCRETE PLACEMENT.

CONCRETE:

1. CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AND DENSITY, IN ACCORDANCE WITH THE FOLLOWING:

	STRENGTH P.S.I.	DENSITY P.C.F.	WATER/ CEMENT RATIO
FOUNDATIONS:	3000	145	0.48
SLABS ON METAL DECK:	3500	145	0.42
SLABS ON GRADE:	4000	145	0.42

2. SLAB ON GRADE TO 3/4" MAXIMUM AGGREGATE SIZE FOR 6" AND 1 1/2" MAXIMUM AGGREGATE SIZE FOR SLABS THICKER THAN 6" PER MANUFACTURER SPECIFICATION TO BE APPROVED BY ENGINEER.
3. REINFORCING SHALL CONFORM TO A.S.T.M. A615, GR. 60, INCLUDING TIES AND STIRRUPS.
4. WELDED WIRE REINFORCEMENT SHALL CONFORM TO A.S.T.M. A185.
5. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED, IN ACCORDANCE WITH LATEST A.C.I. DETAILING MANUAL (SP-66).
6. ALL REINFORCING SHALL BE SUPPORTED IN FORMS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH LATEST C.R.S.I. "MANUAL OF STANDARD PRACTICE". DO NOT STICK DOWELS INTO WET CONCRETE. TIE IN PLACE PRIOR TO START OF CONCRETE PLACEMENT.
7. MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:
   A. UNFORMED SURFACE IN CONTACT WITH THE GROUND: 3 IN.
   B. FORMED SURFACES EXPOSED TO EARTH OR WEATHER: 1 1/2 IN. FOR #5 BAR OR SMALLER 2 IN FOR #6 BAR OR LARGER
   C. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:
   1. WALLS, SLABS: 3/4 IN.
   2. BEAMS, GIRDERS AND COLUMNS (TO TIES OR STIRRUPS): 1 1/2 IN.
8. ALL CONSTRUCTION JOINTS SHOWN ON DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE, UNLESS THEIR ELIMINATION IS APPROVED BY THE ENGINEER. ADDITIONAL CONSTRUCTION JOINTS, REQUIRED TO FACILITATE CONSTRUCTION, SHALL BE LOCATED AT POINTS OF MINIMUM SHEAR AND SHALL BE DETAILED ON SHOP DRAWINGS. REINFORCEMENT SHALL PASS CONTINUOUSLY THROUGH THE JOINT. ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED TO A DEPTH OF 1/4". FOR VERTICAL CONSTRUCTION JOINTS IN BEAMS, SLABS, WALLS, ETC. IT IS ACCEPTABLE TO USE "STAYFOAM".
9. ALL ABUTTING CONCRETE MEMBERS SHALL BE DOWELED TOGETHER, UNLESS POURED MONOLITHICALLY. DOWELS SHALL BE EQUAL IN SIZE AND SPACING TO THE REINFORCING IN THE ADJACENT MEMBER.
10. PROVIDE CONTINUOUS REINFORCEMENT AROUND CORNERS AND AT INTERSECTIONS AND THOUGH: CONSTRUCTION JOINTS, CONTROL JOINTS, CONTRACTION JOINTS, AND JOINTS BETWEEN ALL ABUTTING MEMBERS.
11. UNLESS OTHERWISE SHOWN IN THE ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFERS AT ALL EDGES THAT ARE EXPOSED TO VIEW IN THE FINISHED STRUCTURE.
12. SEE ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW OPENINGS, DRIP SLOTS, REGLETS, MASONRY ANCHORS, PRECAST BEARING LEDGES, BRICK LEDGE ELEVATIONS AND FOR MISCELLANEOUS EMBEDDED PLATES, BOLTS, ANCHORS, ANGLES, ETC.
13. REFER TO ARCHITECTURAL DRAWINGS FOR CONCRETE FINISHES. WHERE FINISH IS NOT SPECIFIED, CONFORM TO REQUIREMENTS OF A.C.I. 301.
14. MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS SHALL BE REFERRED TO FOR DRASLEEVES, OUTLET BOXES, CONDUIT, ANCHORS, ETC. THE VARIOUS TRADES ARE RESPONSIBLE FOR PLACING THEIR ITEMS. ALL CONDUITS TO HAVE TOP OF CONDUIT 5 INCHES BELOW BOTTOF SLAB ON GRADE.
15. REFER TO PLUMBING DRAWINGS FOR UNDER FOUNDATION DRAIN. 1
16. LAP SPLICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. WHERE CLASSES ARE NOT CALLED OUT ON DRAWINGS, USE CLASS "B" SPLICES.
    SPLICES f'c = 4000 P.S.I., fy = 60,000 P.S.I.

TENSION LAP SPLICE FOR TOP BARS, * GRADE 60
CLASS A, B, LAP SPLICE LENGTH (INCHES)

		f'c = 3,000 P.S.I.				f'c = 4,000 P.S.I.				f'c = 5,000 P.S.I.			
BAR SIZE	CLASS	A		B		A		B		A		B	
	CATEGORY	4	6	4	6	4	6	4	6	4	6	4	6
#3	-	16		21		14		18		13		16	
#4	-	22		28		19		24		17		22	
#5	-	27		35		23		30		21		27	
#6	-	32		42		28		36		25		33	
#7	-	39	38	50	49	33	33	43	42	30	39	39	38
#8	-	51	43	66	56	44	37	57	48	39	33	51	43
#9	-	64	48	83	63	56	42	72	55	50	38	65	49
#10	-	81	58	106	76	70	50	92	65	63	45	82	59
#11	-	100	71	130	93	86	62	112	80	77	55	101	72

*"TOP BARS" ARE DEFINED AS ANY BAR WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.

TENSION LAP SPLICE FOR BARS OTHER THAN TOP BARS, * GRADE 60
CLASS A, B, LAP SPLICE LENGTH (INCHES)

		f'c=3,000P.S.I.				f'c=4,000P.S.I.				f'c=5,000P.S.I.			
BAR SIZE	CLASS	A		B		A		B		A		B	
	CATEGORY	4	6	4	6	4	6	4	6	4	6	4	6
#3	-	13		16		12		16		12		16	
#4	-	17		22		15		19		13		17	
#5	-	21		27		18		23		16		21	
#6	-	25		32		22		28		19		25	
#7	-	30	29	39	38	26	25	33	33	23	23	30	29
#8	-	39	33	51	43	34	29	44	37	30	26	39	33
#9	-	49	37	64	48	43	32	56	42	38	29	50	38
#10	-	63	45	81	58	54	39	70	50	49	35	63	45
#11	-	77	55	100	71	67	48	86	62	60	43	77	55

COMPRESSION LAP SCHD.	
LAP LENGTH (INCHES)	
f'c = 3,000 P.S.I. OR GREATER	
BAR SIZE	30 db
#3	12
#4	15
#5	19
#6	23
#7	26
#8	30
#9	34
#10	38
#11	42

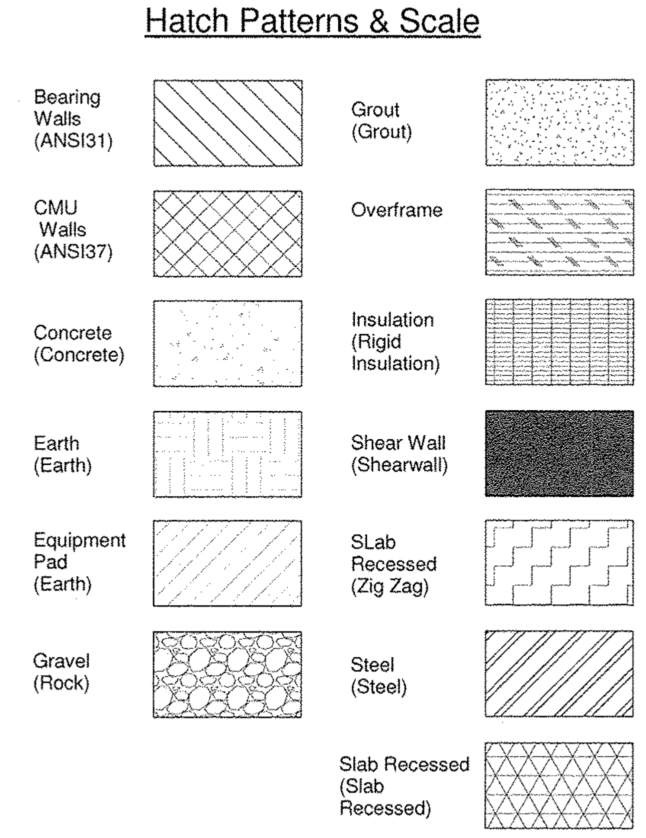
NOTES:
1. TABLES ARE BASED ON C.R.S.I. CATEGORIES 4 AND 6. WHERE MIN. SPACING IS 6 BAR DIAMETERS CENTER TO CENTER AND WHERE MIN. CONCRETE COVER IS ONE BAR DIAMETER USE CATEGORY 6 FOR LONGITUDINAL BARS IN BEAM, COLUMNS AND INNER LAYER OF WALL OR SLABS; USE CATEGORY 4 FOR ALL OTHER BARS.
2. ALL SPLICES TO BE CLASS "B" TENSION SPLICE UNLESS OTHERWISE NOTED.
3. SPLICE PLAIN WELDED WIRE FABRIC BY LAPPING ONE FULL MESH SPACE PLUS 2 INCHES.
4. FOR LIGHT WEIGHT CONCRETE, MULTIPLY LENGTHS IN TABLE BY 1.3.
5. FOR EPOXY COATED REINFORCEMENT, MULTIPLY LENGTHS IN TABLE BY 1.5.

COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS

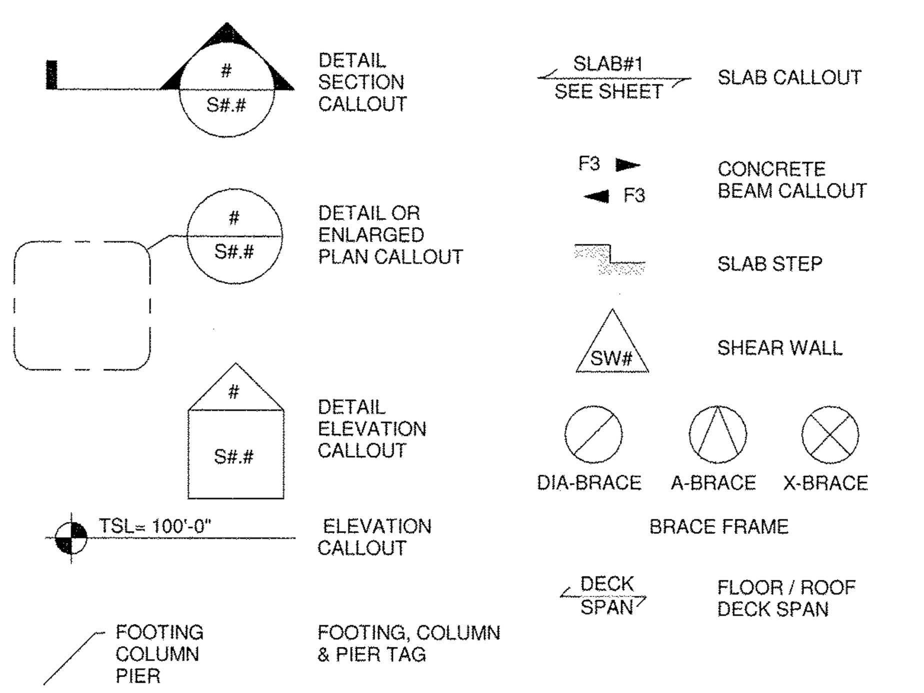
17. REFER TO MECHANICAL DRAWINGS FOR HOUSEKEEPING PADS AND INERTIA BASES AT MECHANICAL EQUIPMENT.
18. REFER TO MECHANICAL DRAWINGS FOR UNDERFLOOR AND PERIMETER FOUNDATION DRAIN.
19. BASE PLATES, ANCHOR BOLTS, SUPPORT ANGLES, ETC., BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 3" CONCRETE.
20. PROVIDE CONTINUOUS WATERSTOP AT HORIZONTAL AND VERTICAL JOINTS AT ELEVATOR PIT
21. WHERE REINFORCING IS NOT INDICATED OR DEFINED, INCLUDE FOR BID PURPOSES ONLY.
    A.) WALLS: #5 EACH WAY EACH FACE. SPACING IN INCHES = 140/(WALL THICKNESS IN INCHES BUT NOT OVER 18"o.c.
    B.) BEAMS: 1-#9 CONTINUOUS TOP AND BOTTOM FOR EACH 100 SQUARE INCHES OF BEAM CROSS SECTIONAL AREA AND #4 STIRRUPS SPACED AT 1/2 OF BEAM DEPTH, FULL LENGTH Of BEAM.
    C.) COLUMNS: 1-#9 VERTICAL PER 50 SQUARE INCHES OF CROSS SECTIONAL AREA AND #3 TIES @ 9"O.C. W/TOP (3)-TIES @ 3"O.C.
    D.) SLABS: #5 EACH WAY TOP AND BOTTOM. SPACING IN INCHES = 100/(SLAB THICKNESS IN INCHES) BUT NOT OVER 18"o.c.

    ON SHOP DRAWINGS, INDICATE ABOVE REINFORCING AS "PER GENERAL NOTES". SUCH REINFORCING MAY BE REVISED OR RELOCATED BY STRUCTURAL ENGINEER DURING SHOP DRAWING REVIEW.
22. PROVIDE CONCRETE EQUIPMENT PADS, INERTIA BASES AND CURBS AS NOTED ELSEWHERE IN CONTRACT DOCUMENTS. UNLESS NOTED, DOWEL PADS WITH #4 x 0'-6" PROJECTING 3" FROM CONCRETE BELOW AT 18"O.C. EACH WAY. REINFORCE PADS WITH #4@18 EACH WAY TOP AND BOTTOM.
23. MASONRY DOWELS: PROVIDE, PLACE, AND SPACE TO MATCH MASONRY REINFORCING.
24. PROVIDE STANDARD HOOKS ON BARS TERMINATING AT A CONCRETE FACE UNLESS NOTED (E.G.: EDGES OF OPENINGS, SLAB EDGES, EXPANSION JOINTS, ENDS OF BEAMS, AND AT: TOP, BOTTOM AND ENDS OF WALLS, ETC...).
25. PROVIDE (2)-#5 (MIN.) @ EACH SIDE OF OPENING. EXTEND 2'-0 BEYOND OPENINGS.
26. SEE MISC. NOTES FOR EPOXY / ADHESIVE ANCHORS.
27. ALL CONCRETE COLUMNS, PROTRUDING PILASTERS, NON-PROTURDING PILASTERS AND PIERS SHALL HAVE (3)-#3 TIES @ 3"O.C. FROM TOP OF CONCRETE.
28. REFERENCE SPECIFICATIONS FOR SPECIAL SOY BASED FINISH APPLICATIONS.

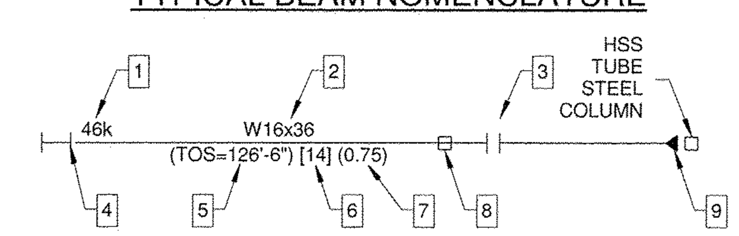
Hatch Patterns & Scale



TYPICAL CALLOUTS AND SYMBOL LEGEND



TYPICAL BEAM NOMENCLATURE



1. INDICATES CONNECTION DESIGNED BY FABRICATOR TO DELIVER 46K VERTICAL LOAD TO CENTER OF COL. OR CONNECTING MEMBER
2. INDICATES BEAM SIZE
3. INDICATES TYPICAL BEAM SHEAR SPLICE
4. INDICATES BEAM FRAMING INTO FACE OF COLUMN
5. INDICATES TOP OF STEEL ELEVATION
6. INDICATES NUMBER OF 3/4" X 5" SHEAR STUDS FULLY WELDED TO TOP OF BEAM PER 1/2-SPAN
7. INDICATES REQUIRED UPWARD CAMBER IN BEAM (INCHES)
8. INDICATES BEAM CONTINUOUS OVER COLUMN
9. INDICATES MOMENT CONNECTION

STRUCTURAL ABBREVIATIONS:

ADDITIONAL	ADDL.
ALUMINUM	ALUM.
ANCHOR BOLT	A.B.
AND	&
ANGLE	L
ARCHITECTURAL	ARCH.
AT	@
BASEMENT	BSMT.
BASE PLATE	B. P.
BEAM	BM.
BEARING	BRG.
BETWEEN	BETWN.
BLOCK	BLK.
BOARD	BD
BOTTOM	BOT.
BOTTOM FACE	B/FACE
BOTTOM OF METAL DECK	BOD
BOTTOM OF FOOTING	BOF
BOTTOM OF WALL	BOW
BRICK	BRK.
BRICK SHELF	B/S
BRIDGING	BRDG.
BUILDING	BLDG.
CANTILEVER	CANTL.
CAST IN PLACE	C.I.P.
CEILING	CLG.
CEMENT	CEM.
CENTER LINE	CL.
CENTER TO CENTER	C/C
CENTERED	CTR'D.
CLEAR	CL. or CLR.
CONCRETE	CONC
COLUMN	COL.
CONNECTION	CONN.
CONSTRUCTION	CONST.
CONSTRUCTION JOINT	C.J.
CONTINUOUS	CONT.
CONTRACTOR	CONTR.
DEAD LOAD	D.L.
DECK	DK.
DIAGONAL	DIAG.
DIAMETER	DIA.
DIMENSION	DIM.
DOWELS	DWLS.
DOWN	DN.
DRAWINGS	DWGS.
EACH	EA.
EACH FACE	E.F.
EACH WAY	E.W.
ELECTRICAL	ELECT.
ELEVATION	EL.
ELEVATOR	ELEV.
EMBEDDED	EMBE'D.
EQUAL	EQ
EQUIPMENT	EQUIP.
EXISTING	EXIST.
EXPANSION	EXP
EXPANSION JOINT	E.J.
EXTERIOR	EXT.
FAR FACE	F.F.
FINISH	FIN.
FINISH FLOOR	FIN. FLR.
FLOOR	FL.
FOOTING	FTG.
FOUNDATION	FND.
FRAMING	FRMG.
GALVANIZED	GALV.
GAUGE	GA.
GENERAL CONTRACTOR	G.C.
GIRDER	GIR.
GRADE	GR.
GYPSUM	GYP.
HEIGHT	HT.
HIGH POINT	H.P.
HORIZONTAL	HORIZ.
INSIDE FACE	I.F.
INTERIOR	INT.
JOINT	JT.or JNT.
JOIST	JST.
KIP = 1000 lbs.	K
KNOCKOUT	KO
POUND	lb.
LIGHT WEIGHT	LT. WT.
LIVE LOAD	L.L.
LONG	LG.
LONGITUDINAL	LONG.
LONG LEG HORIZONTAL	L.L.H.
LONG LEG VERTICAL	L.L.V.
LONG WAY	L.W.
LOW POINT	L.P.
MANUFACTURER	MFG.
MARK	MK.
MASONRY	MAS.
MASONRY OPENING	M.O.
MATERIAL	MAT'L
MAXIMUM	MAX.
MECHANICAL	MECH
METAL	MTL.
MINIMUM	MIN.
MISCELLANEOUS	MISC.
MOMENT CONNECTION	M.C.
NEAR FACE	N.F.
NOMINAL	NOM.
NOT IN CONTRACT	N.I.C.
NOT TO SCALE	N.T.S.
ON CENTER	O.C.
OPENING	OPNG .
OPPOSITE HAND	OPP.H.
OUTSIDE FACE	O.F.
PANEL	PNL.
PENTHOUSE	P.H.
PLATE	PL.
PLUMBING	PLBG
PRECAST CONCRETE	P.C.
PRE-ENGINEERED METAL BUILDING	PEMB
POCKET	PCK'T.
POST TENSION	P.T.
RADIUS	RAD.
RECTANGULAR	RECT.
REFERENCE	REF.
REFER TO	RE:
REINFORCING	REINF.
REQUIRED	REQ'D
REVISION	REV.
ROOF	RF.
ROOM	RM
SCHEDULE	SCHD.
SECTION	SECT.
SHORT WAY	S.W.
SIMILAR	SIM.
SLAB	SL.
SLAB ON GRADE	S.O.G.
SPACE, SPACING, SPACES	SPA.
SPECIFICATIONS	SPECS
SQUARE	SQ.
STANDARD	STD.
STEEL	STL.
STRUCTURE OR STRUCTURAL	STRUC
SUPPORT	SUPPT.
SYMMETRICAL	SYMM.
THICKNESS	THK.
TOP FACE	T.FACE
TOP OF BRICK LEDGE	T/BL
TOP OF FOOTING	TOF
TOP OF CONCRETE	TOC
TOP OF PIER	TOP
TOP OF JOIST	T/JST
TOP OF SLAB	TSL
TOP OF STRUCTURAL STEEL	TOS
TOP OF WALL	TOW
TRUSS BEARING	T/BRG.
TYPICAL	TYP.
UNLESS NOTED OTHERWISE	U.N.O.
VERTICAL	VERT
VERIFY IN FIELD	VIF
WIND BRACE	W.B.
WELDED WIRE FABRIC	W.W.F.
WITH	W/

STRUCTURAL SHEET INDEX

SHEET NO	SHEET NAME
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CENTRAL MISSOURI PROFESSIONAL SERVICES, INC.
CIVIL ENGINEER
MISSOURI STATE CERTIFICATE OF AUTHORITY #

SSC ENGINEERING, INC.
MECHANICAL/ELECTRICAL/PLUMBING ENGINEER
MISSOURI STATE CERTIFICATE OF AUTHORITY #001244

SSC ENGINEERING, INC.
STRUCTURAL ENGINEER
MISSOURI STATE CERTIFICATE OF AUTHORITY #001244

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STRUCTURAL GENERAL NOTES

MISSOURI SOYBEAN INNOVATION CENTER
NEW OFFICE BUILDING
734 S. COUNTRY CLUB DRIVE
JEFFERSON CITY, MISSOURI

PROJECT NO. 1613
DATE: SEPT. 12, 2018

S0.1